



## **REGULATORY COMPLIANCE TEST REPORT**

**FCC CFR 47 Part 15 Subpart E 15.407  
ISED RSS-247 Issue 2  
(Limited to DFS Bands)**

**Report No.: MIKO120-U10 Rev A**

**Company: Mikrotikls SIA**

**Model Name: RBOmniTikPG-5HacD-US**

## REGULATORY COMPLIANCE TEST REPORT

**Company Name:** Mikrotikls SIA

**Model Name:** RBOmniTikPG-5HacD-US

**To:** FCC CFR 47 Part 15 Subpart E 15.407  
& ISED RSS-247 Issue 2  
(Limited to DFS Bands)

**Test Report Serial No.:** MIKO120-U10 Rev A

This report supersedes: NONE

**Applicant:** Mikrotikls SIA  
Brīvības gatve 214i  
Rīga, LV 1039  
Latvia

**Issue Date:** 21st October 2021

### **This Test Report is Issued Under the Authority of:**

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**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 17025:2017. The company is accredited by the American Association for Laboratory Accreditation (A2LA) [www.a2la.org](http://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>



## 1.2. RECOGNITION

MiCOM Labs, Inc is widely recognized for its wireless testing and certification capabilities. In addition to being recognized for Testing and Certification under Phase 2 Mutual Recognition Agreements (MRA) with Canada, Europe, United Kingdom and Japan, our international recognition includes Conformity Assessment Body (CAB) designation status under agreements with Asia Pacific (APEC) MRA Phase 1 countries giving acceptance of MiCOM Labs test reports. MiCOM Labs test reports are accepted globally.

Country	Recognition Body	Status	MRA Phase	Identification No.
USA	Federal Communications Commission (FCC)	TCB	-	US0159 Test Firm Designation#: US1084
Canada	Industry Canada (ISED)	FCB	APEC MRA 2	US0159 ISED#: 4143A
Japan	MIC (Ministry of Internal Affairs and Communication)	CAB	Japan MRA 2	RCB 210
	Japan Approvals Institute for Telecommunication Equipment (JATE)			
	VCCI	--	--	A-0012
Europe	European Commission	NB	EU MRA 2	NB 2280
United Kingdom	Department for Business, Energy & Industrial Strategy (BEIS)	AB	UK MRA 2	AB 2280
Mexico	Instituto Federal de Telecomunicaciones (IFT)	CAB	Mexico MRA 1	US0159
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	US0159
Hong Kong	Office of the Telecommunication Authority (OFTA)			
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)			
Singapore	Infocomm Development Authority (IDA)			
Taiwan	National Communications Commission (NCC)			
	Bureau of Standards, Metrology and Inspection (BSMI)			
Vietnam	Ministry of Communication (MIC)			

TCB – Telecommunications Certification Bodies (TCB)

FCB – Foreign Certification Body

CAB – Conformity Assessment Body

NB – Notified Body

AB – Approved Body

MRA – Mutual Recognition Agreement

MRA 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](http://www.a2la.org) test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-02.pdf>



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

## 2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	18th October 2021	Draft report for client review.
Rev A	21st October 2021	Initial Release.
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In the above table the latest report revision will replace all earlier versions.

### 3. TEST RESULT CERTIFICATE

<b>Manufacturer:</b> Mikrotiks SIA Brīvības gatve 214i Rīga LV 1039 Latvia	<b>Tested By:</b> MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
<b>Model:</b> RBOmniTikPG-5HacD-US	<b>Telephone:</b> +1 925 462 0304 <b>Fax:</b> +1 925 462 0306
<b>Type Of Equipment:</b> 802.11ac WLAN access point	
<b>S/N's:</b> E11D0DAB802C, E11D0DAB2455,	
<b>Test Date(s):</b> 2nd – 21st September 2021	<b>Website:</b> www.micomlabs.com

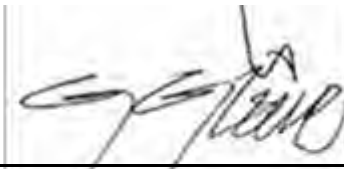
STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15 Subpart E 15.407 and ISED RSS-247 Issue 2  (Limited to DFS Bands)	EQUIPMENT COMPLIES

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

**Notes:**

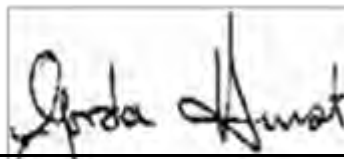
1. This document reports conditions under which testing was conducted and the results of testing performed.
2. Details of test methods used have been recorded and kept on file by the laboratory.
3. Test results apply only to the item(s) tested.

**Approved & Released for MiCOM Labs, Inc. by:**



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Graeme Grieve  
Quality Manager MiCOM Labs, Inc.



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Gordon Hurst  
President & CEO MiCOM Labs, Inc.



## 4. REFERENCES AND MEASUREMENT UNCERTAINTY

### 4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	KDB 662911 D01, D02, D03	D01 Oct 2013, D02 Oct 2011, D03 Oct 2020	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. 662911 D01 Multiple Transmitter Output v02r01, 662911 D02 MIMO with Cross Polarized Antenna v01, 662911 D03 MIMO Antenna Gain Measurement v01, OET 13TR1003 Directional Gain of 802 11 MIMO with CDD 04 05 2013
II	KDB 905462 D07 v02	Aug 2016	Test guidance to demonstrate compliance for U-NII devices subject to DFS requirements.
III	KDB 926956 D01 v02	Aug 2016	U-NII Device Transition Plan
IV	A2LA	5th Oct 2020	R105 - Requirement's When Making Reference to A2LA Accreditation Status
V	ANSI C63.10	2020	American National Standard for Testing Unlicensed Wireless Devices
VI	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
VII	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
VIII	FCC 06-96	Jun 2006	Memorandum Opinion and Order
IX	FCC 47 CFR Part 15.407	2021	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
X	ICES-003	Issue 7; Oct 2020	Information Technology Equipment (Including Digital Apparatus)
XI	M 3003	EDITION 4 Oct 2019	Expression of Uncertainty and Confidence in Measurements
XII	RSS-247 Issue 2	Feb 2017	Digital Transmission Systems (DTSs), Frequency Hopping System (FHSs) and License-Exempt Local Area Network (LE-LEN) Devices
XIII	RSS-Gen Issue 5	Amendment 1,2 (Feb 2021)	General Requirements for Compliance of Radio Apparatus. With Amendments 1: March 2019 and 2: Feb 2021.
XIV	FCC 47 CFR Part 2.1033	May 2021	FCC requirements and rules regarding photographs and test setup diagrams.
XV	KDB 905462 D02 v02	Apr 2016	Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5250 to 5350 MHz and 5470 to 5725 MHz bands incorporating Dynamic Frequency Selection.
XVI	KDB 789033 D02 V02r01	Dec 2017	Guidelines For Compliance Testing Of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E

#### **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.

## 5. PRODUCT DETAILS AND TEST CONFIGURATIONS

### 5.1. Technical Details

Details	Description
Purpose:	Test of the Mikrotikls SIA RB OmniTik PG-5HacD-US to FCC CFR 47 Part 15 Subpart E 15.407 and ISED RSS-247. Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5250 to 5350 MHz and 5470 to 5725 MHz bands incorporating Dynamic Frequency Selection.
Applicant:	Mikrotikls SIA Brīvības gatve 214i Rīga LV 1039 Latvia
Manufacturer:	Mikrotikls SIA
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	MIKO120-U10 Rev A
Date EUT received:	August 10 <sup>th</sup> 2021
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407
Dates of test (from - to):	02 - 21 September 2021
No of Units Tested:	2
Product Family Name:	RBOmniTikG-5HacD-US
Model(s):	RBOmniTikPG-5HacD-US
Location for use:	Outdoor
Declared Frequency Range(s):	5250 - 5350 MHz; 5470 - 5725 MHz;
Type of Modulation:	OFDM
EUT Modes of Operation:	802.11a; ac-80; HT-20; HT-40;
Declared Nominal Output Power (dBm):	27
Transmit/Receive Operation:	Transceiver
Rated Input Voltage and Current:	28VDC – 2.57A
Operating Temperature Range:	-40°C - 70°C
ITU Emission Designator:	802.11a: 17M4D1D 802.11n HT-20;- 18M5D1D 802.11n HT-40;- 37M5D1D 802.11ac-80;- 77M0D1D
Equipment Dimensions:	416 / 129 / 58 mm
Weight:	0.6 Kg
Software Rev:	6.48.3
Build Rev:	May/25/2021 06:09:45

## **5.2. Scope Of Test Program**

### **Mikrotikls SIA RBOmniTikPG-5HacD-US**

The scope of the test program was to test the Mikrotikls SIA RBOmniTikPG-5HacD-US 802.11 configurations in the frequency ranges 5250 - 5350 MHz; 5470 - 5725 MHz; for compliance against the following specification:

### **FCC CFR 47 Part 15 Subpart E 15.407**

Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5250 to 5350 MHz and 5470 to 5725 MHz bands incorporating Dynamic Frequency Selection.

### **RSS-247 Issue 2 Feb 2017**

Digital Transmission Systems (DTSs), Frequency Hopping System (FHSs) and License-Exempt Local Area Network (LE-LEN) Devices

For Non-DFS bands compliance testing, Digital Emissions and AC Wireline see MiCOM Labs Inc. test report MIKO51-U3 Rev A dated August 16th, 2016

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

Type	Description	Manufacturer	Model	Serial no.	Delivery Date
EUT	802.11ac WLAN access Point	MikroTikls SIA	RBOmniTikPG-5HacD	E11D0DAB802C	10 <sup>th</sup> August 2021
EUT	802.11ac WLAN access Point	MikroTikls SIA	RBOmniTikPG-5HacD	E11D0DAB2455	10 <sup>th</sup> August 2021
Support	PoE Injector	MikroTikls SIA	--	--	--
Support	Laptop	Dell	--	--	--

### 5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
integral	MikroTik	hp_omni_A	OMNI	7.5	-	360	-	5250 – 5350 5470 – 5725
integral	MikroTik	hp_omni_B	OMNI	6.5	-	360	-	5250 – 5350 5470 – 5725

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

### 5.5. Cabling and I/O Ports

Port Type	Max Cable Length	# of Ports	Screened	Conn Type	Data Type	Bit Rate
Ethernet PoE In	>30m	1	No	RJ45	Packet Data	10/100/1000
Ethernet	>30m	5	No	RJ45	Packet Data	10/100/1000

## 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
<b>5250 - 5350 MHz</b>				
a	6	5,260.00	5,300.00	5,320.00
ac-80	29.3	--	--	5,290.00
HT-20	6.5	5,260.00	5,300.00	5,320.00
HT-40	13.5	5,270.00	--	5,310.00
<b>5470 - 5725 MHz</b>				
a	6	5,500.00	5,580.00	5,720.00
ac-80	29.3	5,530.00	5,610.00	5,690.00
HT-20	6.5	5,500.00	5,580.00	5,720.00
HT-40	13.5	5,510.00	5,550.00	5,710.00

## 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

## 6. TEST SUMMARY

### List of Measurements

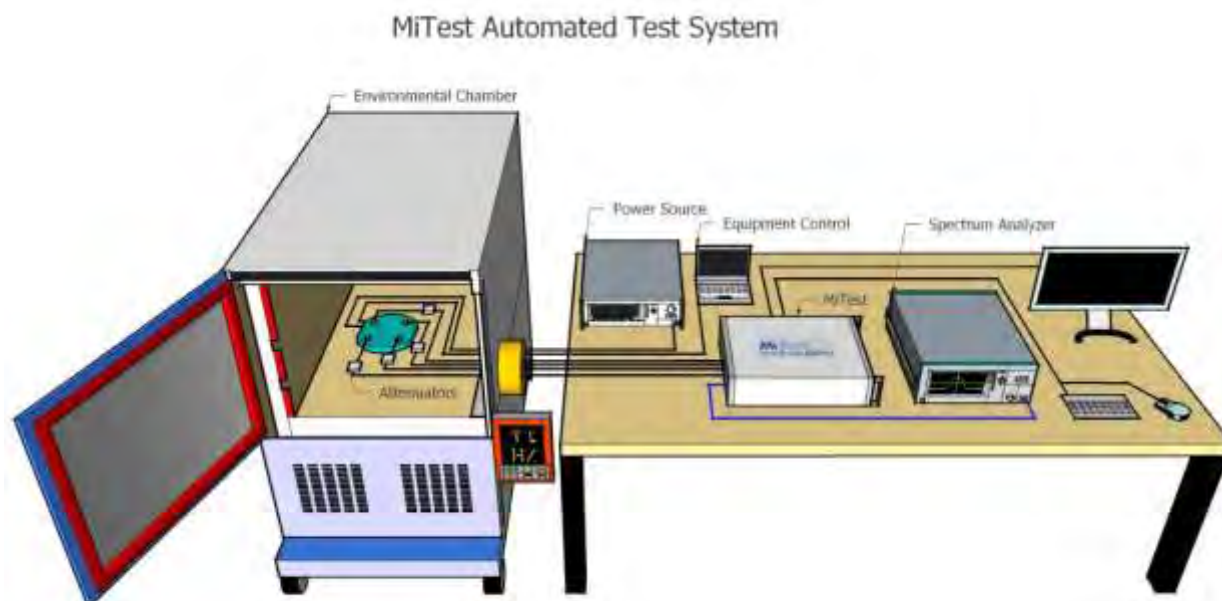
Test Header	Result	Data Link
Peak Transmit Power	Complies	<a href="#">View Data</a>
26 dB & 99% Bandwidth	Complies	<a href="#">View Data</a>
Power Spectral Density	Complies	<a href="#">View Data</a>
Dynamic Frequency Selection (DFS)	Complies	-
Channel Availability Check	Complies	-
Initial CAC	Complies	<a href="#">View Data</a>
Beginning CAC	Complies	<a href="#">View Data</a>
End CAC	Complies	<a href="#">View Data</a>
Channel Close / Transmission Time	Complies	<a href="#">View Data</a>
Non-Occupancy Period	Complies	<a href="#">View Data</a>
Probability of Detection	Complies	<a href="#">View Data</a>
Detection Bandwidth	Complies	<a href="#">View Data</a>
Radiated	Complies	-
TX Spurious & Restricted Band Emissions	Complies	-
MikroTik hp_omni_A	Complies	<a href="#">View Data</a>
Restricted Edge & Band-Edge Emissions	Complies	-
MikroTik hp_omni_A	Complies	<a href="#">View Data</a>

For Non-DFS bands compliance testing, Digital Emissions and AC Wireline see MiCOM Labs Inc. test report MIKO51-U3 Rev A dated August 16<sup>th</sup>, 2016

## 7. TEST EQUIPMENT CONFIGURATION(S)

### 7.1. Conducted

Conducted RF Emission Test Set-up(s).



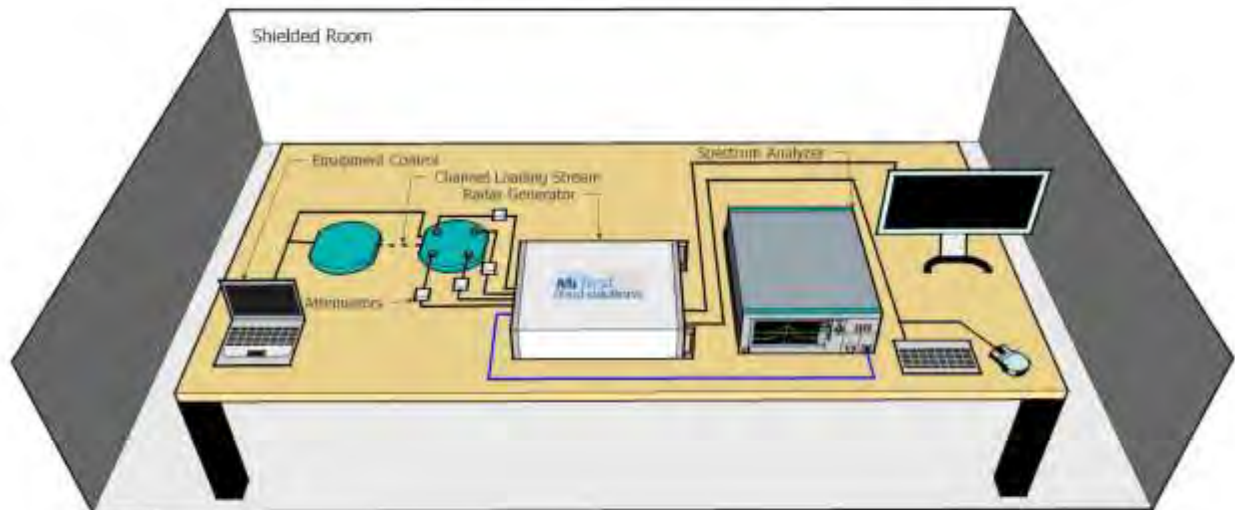


A full system calibration was performed on the test station and any resulting system losses (or gains) were taken into account in the production of all final measurement data.

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
#3 SA	MiTest Box to SA	Fairview Microwave	SCA1814-0101-72	#3 SA	4 Nov 2021
#3P1	EUT to MiTest box port 1	Fairview Microwave	SCA1814-0101-72	#3P1	4 Nov 2021
#3P2	EUT to MiTest box port 2	Fairview Microwave	SCA1814-0101-72	#3P2	4 Nov 2021
#3P3	EUT to MiTest box port 3	Fairview Microwave	SCA1814-0101-72	#3P3	4 Nov 2021
#3P4	EUT to MiTest box port 4	Fairview Microwave	SCA1812-0101-72	#3P4	4 Nov 2021
249	Thermocouple; Resistance Thermometer	Thermotronics	GR2105-02	9340 #2	30 Oct 2021
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	8 Oct 2022
398	MiTest RF Conducted Test Software	MiCOM	MiTest ATS	Version 4.2.3.0	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
440	USB Wideband Power Sensor	Boonton	55006	9178	22 Oct 2021
442	USB Wideband Power Sensor	Boonton	55006	9181	19 Oct 2021
445	PoE Injector	D-Link	DPE-101GL	QTAH1E2000625	Not Required
461	Spectrum Analyzer	Agilent	E4440A	MY46185537	27 Sep 2023
494	USB Wideband Power Sensor	Boonton	55006	9726	19 Oct 2021
510	Barometer/Thermometer	Control Company	68000-49	170871375	20 Dec 2021
512	MiTest Cloud Solutions RF Test Box	MiCOM	2nd Gen with DFS	512	4 Nov 2021
555	Rhode & Schwarz Receiver	Rhode & Schwarz	ESW 44	101893	28 Jun 2023
75	Environmental Chamber	Thermatron	SE-300-2-2	27946	20 Feb 2022

## 7.2. DFS - Conducted

### Dynamic Frequency Selection (DFS) - Conducted



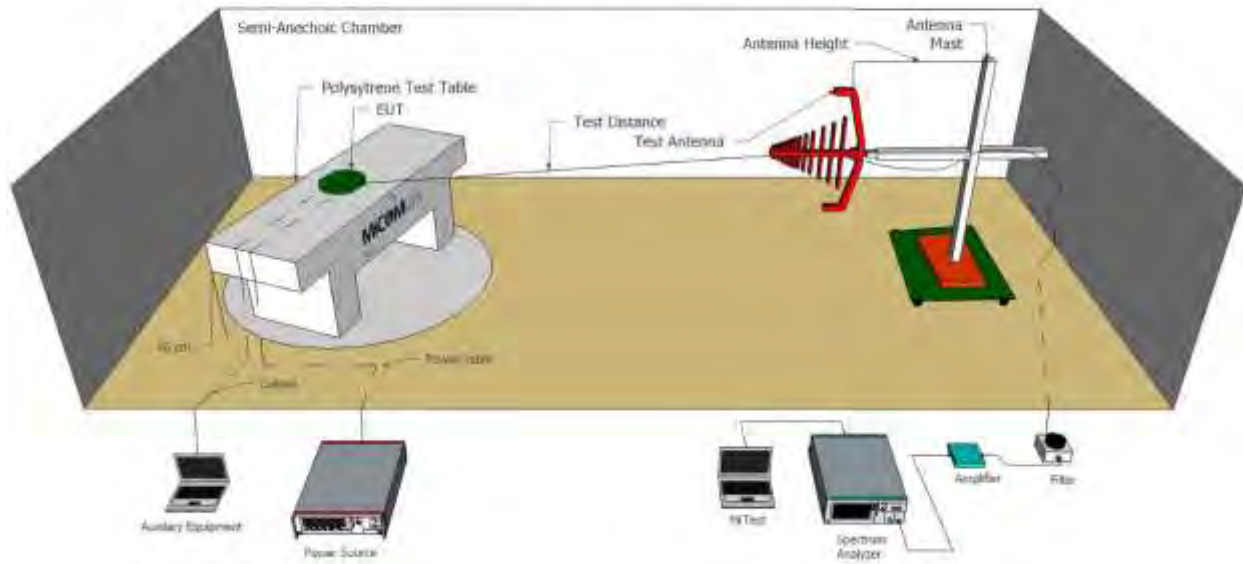
A full system calibration was performed on the test station and any resulting system losses (or gains) were taken into account in the production of all final measurement data.

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
504	MiTest Cloud Solutions RF Test Box	MiCOM	2nd Gen	504	5 Nov 2021
510	Barometer/Thermometer	Control Company	68000-49	170871375	20 Dec 2021
533	MiTest DFS Test Software	MiCOM	MiTest DFS Test software Version 2.8	533	Not Required
71	Spectrum Analyser 9KHz-50GHz	HP	8565E	3425A00181	Not Required
DFS SMA#1	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#2	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#3	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#4	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used

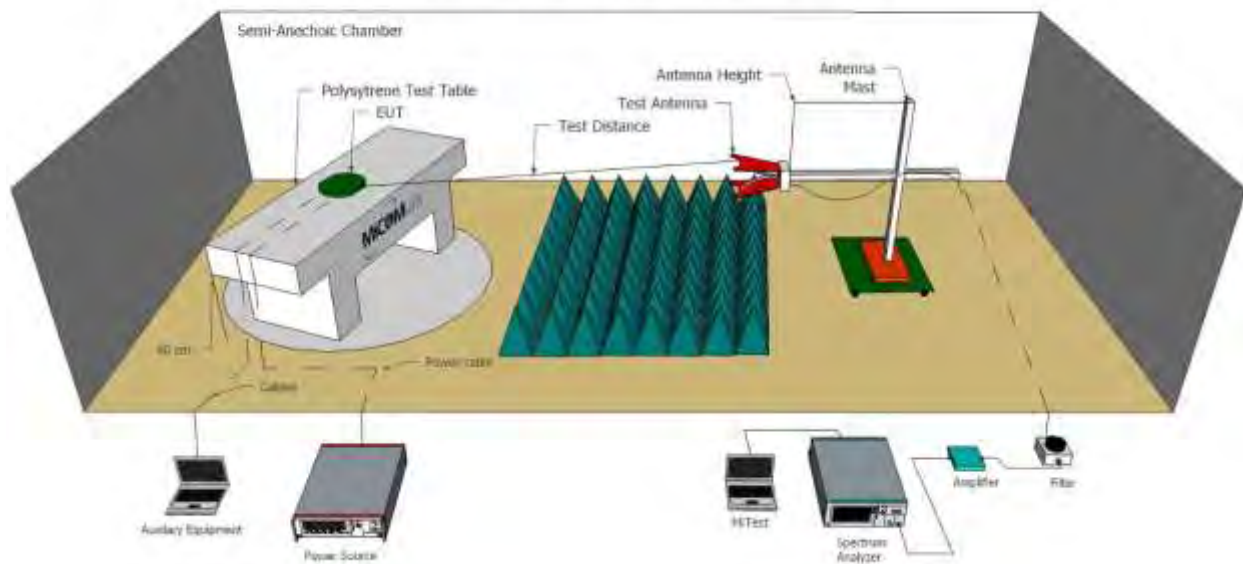
### 7.3. Radiated Emissions - 3m Chamber

#### Test Setup for Radiated Emissions for above and below 1 GHz

Radiated Emissions Below 1GHz Test Setup



Radiated Emissions Above 1GHz Test 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
170	Video System Controller for Semi Anechoic Chamber	Panasonic	WV-CU101	04R08507	Not Required
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	8 Oct 2022
338	Sunol 30 to 3000 MHz Antenna	Sunol	JB3	A052907	4 Nov 2021
373	26III RMS Multimeter	Fluke	Fluke 26 series III	76080720	21 Oct 2021
377	Band Rejection Filter 5150 to 5880MHz	Microtronics	BRM50716	034	6 Oct 2022
397	Amp 10 - 2500MHz	MiCOM Labs	Amp 10 - 2500 MHz	NA	9 Nov 2021
399	ETS 1-18 GHz Horn Antenna	ETS	3117	00154575	12 Nov 2021
406	Amplifier for Radiated Emissions	MiCOM Labs	40dB 1 to 18GHz Amp	0406	9 Nov 2021
410	Desktop Computer	Dell	Inspiron 620	WS38	Not Required
411	Mast/Turntable Controller	Sunol Sciences	SC98V	060199-1D	Not Required
413	Mast Controller	Sunol Science	TWR95-4	030801-3	Not Required
414	DC Power Supply 0-60V	HP	6274	1029A01285	Cal when used
415	Turntable Controller	Sunol Sciences	Turntable Controller	None	Not Required
416	Gigabit ethernet filter	ETS-Lingren	Gigafoil 260366	None	Not Required
447	MiTest Rad Emissions Test Software	MiCOM	Rad Emissions Test Software Version 1.0	447	Not Required
462	Schwarzbeck cable from Antenna to Amplifier.	Schwarzbeck	AK 9513	462	4 Nov 2021
463	Schwarzbeck cable from Amplifier to Bulkhead.	Schwarzbeck	AK 9513	463	4 Nov 2021
464	Schwarzbeck cable from Bulkhead to Receiver	Schwarzbeck	AK 9513	464	4 Nov 2021
480	Cable - Bulkhead to Amp	SRC Haverhill	157-3050360	480	23 Jun 2022
481	Cable - Bulkhead to Receiver	SRC Haverhill	151-3050787	481	23 Jun 2022
510	Barometer/Thermometer	Control Company	68000-49	170871375	20 Dec 2021
554	Precision SMA Cable	Fairview Microwave	SCE18060101-400CM	554	23 Jun 2022
555	Rhode & Schwarz Receiver	Rhode & Schwarz	ESW 44	101893	28 Jun 2023

## 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			
<b>Standard:</b>	FCC CFR 47:15.407 ISED RSS-247	<b>Ambient Temp. (°C):</b>	24.0 - 27.5
<b>Test Heading:</b>	Maximum Conducted Output Power	<b>Rel. Humidity (%):</b>	32 - 45
<b>Standard Section(s):</b>	15.407 (a) RSS-247 Sect 6.2	<b>Pressure (mBars):</b>	999 - 1001
<b>Reference Document(s):</b>	See Normative References		
<p><b>Test Procedure for Maximum Conducted Output Power Measurement</b>            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 (<math>\Sigma</math>) 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.</p> <p>Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document.</p> <p>Supporting Information            Calculated Power = <math>A + G + Y + 10 \log (1/x)</math> dBm</p> <p>A = Total Power [<math>10 * \log_{10} (10^{a/10} + 10^{b/10} + 10^{c/10} + 10^{d/10})</math>]            G = Antenna Gain            Y = Beamforming Gain            x = Duty Cycle (average power measurements only)</p> <p><b>Limits Maximum Conducted Output Power</b></p> <p><b>Operating Frequency Band 5250-5350 and 5470 – 5725 MHz</b></p> <p>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.</p>			

**Equipment Configuration for Peak Transmit Power**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	97.4
<b>Data Rate:</b>	6.00 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**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	dB	
5260.0	11.03	11.88			14.49	23.327	22.50	-8.01	20.00
5300.0	11.89	13.31			15.67	22.766	22.50	-6.83	20.00
5320.0	11.45	13.39			15.54	22.926	22.50	-6.96	20.00

**Traceability to Industry Recognized Test Methodologies**

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

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	82.2
<b>Data Rate:</b>	29.30 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

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	dB	
5290.0	10.46	11.70			14.13	90.741	22.50	-8.37	20.00

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

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.



**Equipment Configuration for Peak Transmit Power**

<b>Variant:</b>	802.11n HT-20	<b>Duty Cycle (%):</b>	94.0
<b>Data Rate:</b>	6.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**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	dB	
5260.0	10.98	11.81			14.43	23.808	22.50	-8.07	20.00
5300.0	11.86	13.20			15.59	23.968	22.50	-6.91	20.00
5320.0	11.34	13.23			15.40	24.048	22.50	-7.10	20.00

**Traceability to Industry Recognized Test Methodologies**

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

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

**Equipment Configuration for Peak Transmit Power**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	87.2
<b>Data Rate:</b>	13.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**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	dB	
5270.0	11.66	12.63			15.18	46.172	22.50	-7.32	20.00
5310.0	11.03	12.62			14.91	47.134	22.50	-7.59	20.00

**Traceability to Industry Recognized Test Methodologies**

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

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

**Equipment Configuration for Peak Transmit Power**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	97.4
<b>Data Rate:</b>	6.00 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**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	dB	
5500.0	11.34	12.79			15.14	22.605	22.50	-7.36	20.00
5580.0	11.17	13.09			15.25	22.846	22.50	-7.25	20.00
5720.0	9.49	10.06			12.79	22.525	22.50	-9.71	20.00

**Traceability to Industry Recognized Test Methodologies**

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

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

**Equipment Configuration for Peak Transmit Power**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	82.2
<b>Data Rate:</b>	29.30 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**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	dB	
5530.0	9.52	11.11			13.40	91.062	22.50	-9.10	20.00
5610.0	9.06	11.25			13.30	90.741	22.50	-9.20	20.00
5690.0	8.16	9.02			11.62	91.062	22.50	-10.88	20.00

**Traceability to Industry Recognized Test Methodologies**

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

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

**Equipment Configuration for Peak Transmit Power**

<b>Variant:</b>	802.11n HT-20	<b>Duty Cycle (%):</b>	94.0
<b>Data Rate:</b>	6.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**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	dB	
5500.0	11.31	12.71			15.08	23.888	22.50	-7.42	20.00
5580.0	11.13	13.09			15.23	23.968	22.50	-7.27	20.00
5720.0	9.42	9.99			12.72	23.808	22.50	-9.78	20.00

**Traceability to Industry Recognized Test Methodologies**

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

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

**Equipment Configuration for Peak Transmit Power**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	87.2
<b>Data Rate:</b>	13.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**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	dB	
5510.0	10.58	12.10			14.42	45.531	22.50	-8.08	20.00
5550.0	10.20	11.92			14.15	45.371	22.50	-8.35	20.00
5710.0	9.23	9.55			12.40	46.333	22.50	-10.10	20.00

**Traceability to Industry Recognized Test Methodologies**

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

The above measurements are true pulse readings and therefore a Duty Cycling correction factor is not required.

## 9.2. 26 dB & 99% Bandwidth

Conducted Test Conditions for 26 dB and 99% Bandwidth			
<b>Standard:</b>	FCC CFR 47:15.407 ISED RSS-247	<b>Ambient Temp. (°C):</b>	24.0 - 27.5
<b>Test Heading:</b>	26 dB and 99 % Bandwidth	<b>Rel. Humidity (%):</b>	32 - 45
<b>Standard Section(s):</b>	15.407 (a) RSS-247 Sect 6.2	<b>Pressure (mBars):</b>	999 - 1001
<b>Reference Document(s):</b>	See Normative References		
<p><b>Test Procedure for 26 dB and 99% Bandwidth Measurement</b></p> <p>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.</p> <p>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.</p> <p>Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document.</p>			

**Equipment Configuration for 26 dB & 99% Occupied Bandwidth**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	97.4
<b>Data Rate:</b>	6.00 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5260.0	<a href="#">23.407</a>	<a href="#">23.327</a>			23.407	23.327		
5300.0	<a href="#">23.487</a>	<a href="#">22.766</a>			23.487	22.766		
5320.0	<a href="#">23.808</a>	<a href="#">22.926</a>			23.808	22.926		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5260.0	<a href="#">17.395</a>	<a href="#">16.994</a>			17.395	16.994		
5300.0	<a href="#">17.395</a>	<a href="#">17.074</a>			17.395	17.074		
5320.0	<a href="#">17.395</a>	<a href="#">17.074</a>			17.395	17.074		

**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).



**Equipment Configuration for 26 dB & 99% Occupied Bandwidth**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	82.2
<b>Data Rate:</b>	29.30 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d	Highest	Lowest		
5290.0	<a href="#">91.062</a>	<a href="#">90.741</a>			91.062	90.741		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d	Highest	Lowest		
5290.0	<a href="#">76.954</a>	<a href="#">76.633</a>			76.954	76.633		

**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).

**Equipment Configuration for 26 dB & 99% Occupied Bandwidth**

<b>Variant:</b>	802.11n HT-20	<b>Duty Cycle (%):</b>	94.0
<b>Data Rate:</b>	6.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5260.0	<a href="#">23.808</a>	<a href="#">24.048</a>			24.048	23.808		
5300.0	<a href="#">24.208</a>	<a href="#">23.968</a>			24.208	23.968		
5320.0	<a href="#">24.128</a>	<a href="#">24.048</a>			24.128	24.048		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5260.0	<a href="#">18.357</a>	<a href="#">18.357</a>			18.357	18.357		
5300.0	<a href="#">18.437</a>	<a href="#">18.357</a>			18.437	18.357		
5320.0	<a href="#">18.517</a>	<a href="#">18.357</a>			18.517	18.357		

**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).

**Equipment Configuration for 26 dB & 99% Occupied Bandwidth**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	87.2
<b>Data Rate:</b>	13.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5270.0	<a href="#">46.172</a>	<a href="#">46.172</a>			46.172	46.172		
5310.0	<a href="#">47.295</a>	<a href="#">47.134</a>			47.295	47.134		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5270.0	<a href="#">37.515</a>	<a href="#">37.194</a>			37.515	37.194		
5310.0	<a href="#">37.355</a>	<a href="#">37.194</a>			37.355	37.194		

**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).

**Equipment Configuration for 26 dB & 99% Occupied Bandwidth**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	97.4
<b>Data Rate:</b>	6.00 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d	Highest	Lowest		
5500.0	<a href="#">23.407</a>	<a href="#">22.605</a>			23.407	22.605		
5580.0	<a href="#">23.327</a>	<a href="#">22.846</a>			23.327	22.846		
5720.0	<a href="#">23.647</a>	<a href="#">22.525</a>			23.647	22.525		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d	Highest	Lowest		
5500.0	<a href="#">17.315</a>	<a href="#">17.074</a>			17.315	17.074		
5580.0	<a href="#">17.315</a>	<a href="#">16.994</a>			17.315	16.994		
5720.0	<a href="#">17.395</a>	<a href="#">17.074</a>			17.395	17.074		

**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).

**Equipment Configuration for 26 dB & 99% Occupied Bandwidth**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	82.2
<b>Data Rate:</b>	29.30 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5530.0	<a href="#">91.062</a>	<a href="#">92.024</a>			92.024	91.062		
5610.0	<a href="#">92.024</a>	<a href="#">90.741</a>			92.024	90.741		
5690.0	<a href="#">91.062</a>	<a href="#">91.062</a>			91.062	91.062		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d				
5530.0	<a href="#">77.275</a>	<a href="#">76.954</a>			77.275	76.954		
5610.0	<a href="#">76.954</a>	<a href="#">76.633</a>			76.954	76.633		
5690.0	<a href="#">76.633</a>	<a href="#">76.954</a>			76.954	76.633		

**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).

**Equipment Configuration for 26 dB & 99% Occupied Bandwidth**

<b>Variant:</b>	802.11n HT-20	<b>Duty Cycle (%):</b>	94.0
<b>Data Rate:</b>	6.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d	Highest	Lowest		
5500.0	<a href="#">23.968</a>	<a href="#">23.888</a>			23.968	23.888		
5580.0	<a href="#">23.968</a>	<a href="#">24.048</a>			24.048	23.968		
5720.0	<a href="#">24.048</a>	<a href="#">23.808</a>			24.048	23.808		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d	Highest	Lowest		
5500.0	<a href="#">18.437</a>	<a href="#">18.357</a>			18.437	18.357		
5580.0	<a href="#">18.437</a>	<a href="#">18.277</a>			18.437	18.277		
5720.0	<a href="#">18.517</a>	<a href="#">18.357</a>			18.517	18.357		

**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).

**Equipment Configuration for 26 dB & 99% Occupied Bandwidth**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	87.2
<b>Data Rate:</b>	13.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d	Highest	Lowest		
5510.0	<a href="#">46.333</a>	<a href="#">45.531</a>			46.333	45.531		
5550.0	<a href="#">46.814</a>	<a href="#">45.371</a>			46.814	45.371		
5710.0	<a href="#">46.333</a>	<a href="#">46.814</a>			46.814	46.333		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)				Highest	Lowest		
MHz	a	b	c	d	Highest	Lowest		
5510.0	<a href="#">37.355</a>	<a href="#">37.355</a>			37.355	37.355		
5550.0	<a href="#">37.515</a>	<a href="#">37.355</a>			37.515	37.355		
5710.0	<a href="#">37.355</a>	<a href="#">37.355</a>			37.355	37.355		

**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).

### 9.3. Power Spectral Density

Conducted Test Conditions for Power Spectral Density			
<b>Standard:</b>	FCC CFR 47:15.407 ISED RSS-247	<b>Ambient Temp. (°C):</b>	24.0 - 27.5
<b>Test Heading:</b>	Power Spectral Density	<b>Rel. Humidity (%):</b>	32 - 45
<b>Standard Section(s):</b>	15.407 (a) RSS-247 Sect 6.2	<b>Pressure (mBars):</b>	999 - 1001
<b>Reference Document(s):</b>	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 (â) 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 [ $10 \cdot \log_{10} (10^{a/10} + 10^{b/10} + 10^{c/10} + 10^{d/10})$ ]

x = Duty Cycle

#### Limits Power Spectral Density

##### 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.



**Equipment Configuration for Power Spectral Density**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	97.4
<b>Data Rate:</b>	6.00 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.13 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5260.0	<a href="#">-0.635</a>	<a href="#">-0.895</a>			<a href="#">2.266</a>	9.5	-7.2
5300.0	<a href="#">0.262</a>	<a href="#">0.584</a>			<a href="#">3.509</a>	9.5	-6.0
5320.0	<a href="#">-0.631</a>	<a href="#">0.506</a>			<a href="#">3.055</a>	9.5	-6.5

**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).

**Equipment Configuration for Power Spectral Density**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	82.2
<b>Data Rate:</b>	29.30 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.86 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5290.0	<a href="#">-7.328</a>	<a href="#">-7.185</a>			<a href="#">-3.479</a>	9.5	-13.0

**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).

**Equipment Configuration for Power Spectral Density**

<b>Variant:</b>	802.11n HT-20	<b>Duty Cycle (%):</b>	94.0
<b>Data Rate:</b>	6.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.27 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5260.0	<a href="#">-1.040</a>	<a href="#">-1.189</a>			<a href="#">2.126</a>	9.5	-7.4
5300.0	<a href="#">-0.159</a>	<a href="#">0.091</a>			<a href="#">3.210</a>	9.5	-6.3
5320.0	<a href="#">-0.988</a>	<a href="#">-0.025</a>			<a href="#">2.795</a>	9.5	-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

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

**Equipment Configuration for Power Spectral Density**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	87.2
<b>Data Rate:</b>	13.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.6 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5270.0	<a href="#">-3.177</a>	<a href="#">-3.507</a>			<a href="#">0.246</a>	9.5	-9.3
5310.0	<a href="#">-4.035</a>	<a href="#">-3.409</a>			<a href="#">-0.161</a>	9.5	-9.7

**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).

**Equipment Configuration for Power Spectral Density**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	97.4
<b>Data Rate:</b>	6.00 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.13 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5500.0	<a href="#">-0.311</a>	<a href="#">-0.111</a>			<a href="#">2.885</a>	9.5	-6.6
5580.0	<a href="#">-0.996</a>	<a href="#">0.085</a>			<a href="#">2.631</a>	9.5	-6.9
5720.0	<a href="#">-2.611</a>	<a href="#">-2.785</a>			<a href="#">0.388</a>	9.5	-9.1

**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).

**Equipment Configuration for Power Spectral Density**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	82.2
<b>Data Rate:</b>	29.30 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.86 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5530.0	<a href="#">-8.576</a>	<a href="#">-8.278</a>			<a href="#">-4.760</a>	9.5	-14.3
5610.0	<a href="#">-9.050</a>	<a href="#">-7.900</a>			<a href="#">-4.658</a>	9.5	-14.2
5690.0	<a href="#">-9.462</a>	<a href="#">-8.804</a>			<a href="#">-5.349</a>	9.5	-14.9

**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).

**Equipment Configuration for Power Spectral Density**

<b>Variant:</b>	802.11n HT-20	<b>Duty Cycle (%):</b>	94.0
<b>Data Rate:</b>	6.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.27 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5500.0	<a href="#">-0.622</a>	<a href="#">-0.415</a>			<a href="#">2.723</a>	9.5	-6.8
5580.0	<a href="#">-1.441</a>	<a href="#">-0.317</a>			<a href="#">2.419</a>	9.5	-7.1
5720.0	<a href="#">-2.837</a>	<a href="#">-3.186</a>			<a href="#">0.167</a>	9.5	-9.3

**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**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	87.2
<b>Data Rate:</b>	13.50 MBit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y)(dB):</b>	Not Applicable
<b>TPC:</b>	Not Applicable	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Test Frequency	Measured Power Spectral Density				Summation Peak Marker + DCCF (+0.6 dB)	Limit	Margin
	Port(s) (dBm/MHz)						
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5510.0	<a href="#">-4.836</a>	<a href="#">-4.461</a>			<a href="#">-1.110</a>	9.5	-10.6
5550.0	<a href="#">-4.739</a>	<a href="#">-4.105</a>			<a href="#">-0.927</a>	9.5	-10.4
5710.0	<a href="#">-5.770</a>	<a href="#">-6.323</a>			<a href="#">-2.533</a>	9.5	-12.0

**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).



## 9.4. Dynamic Frequency Selection (DFS)

Test Conditions for Dynamic Frequency Selection (DFS)			
<b>Standard:</b>	FCC 15.407 ISED RSS-247	<b>Ambient Temp. (°C):</b>	20.0 - 24.5
<b>Test Heading:</b>	Dynamic Frequency Selection (DFS)	<b>Rel. Humidity (%):</b>	32 - 45
<b>Standard Section(s):</b>	KDB 905462 RSS-247 Sect 6.3	<b>Pressure (mBars):</b>	999 - 1001
<b>EUT Type:</b>	Master	<b>Frequency Bands:</b>	5,250 – 5,350 MHz 5,470 – 5,725 MHz
<b>Test Environment:</b>	Conducted	<b>Antenna Gain used for Testing:</b>	8.0 dBi
<b>Detection Threshold:</b>	-64 dBm	<b>Test Radar Level: (Threshold + Gain)</b>	-56 dBm
<b>Number of Antenna Chains:</b>	1	<b>Duty Cycle Target:</b>	≥ 17.00%
<b>Transmit Power:</b>	+23 dBm	<b>Minimum Data Rate:</b>	11a: 6 Mbit/s HT40: MCS0 AC80: NSS1-MCS0
<b>Uniform Loading:</b>	For the above frequency band(s) the manufacturer declared that the device provides an aggregate uniform loading of the spectrum across all devices by selecting an operating channel among the available channels using a random algorithm.		
<b>Communication Method:</b>	The requisite MPEG video file ("TestFile.mpg" available on the NTIA website at the following link <a href="http://ntiacsd.ntia.doc.gov/dfs/">http://ntiacsd.ntia.doc.gov/dfs/</a> ) is used during this video stream. iPerf is used in cases where the video stream does not provide the necessary load.		
<b>Engineer Notes:</b>			

### **Master Devices**

- a) The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250 – 5350 MHz and 5470 – 5725 MHz bands. DFS is not required in the 5150 – 5250 MHz or 5725 – 5850 MHz bands.
- b) Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for a specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.
- c) The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.
- d) During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).
- e) If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.
- f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period.
- g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the combination will be tested to the requirements described under d) through f) above.

### 9.4.1. Dynamic Frequency Selection (DFS) Overview

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands. Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode. The following tables summarize the requirements.

Requirement	Master Device or Client with Radar Detection	Client without Radar Detection
	Operational Mode	
DFS Detection Threshold	Yes	Not Required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not Required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

**NOTE:** Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

### 9.4.2. DFS Detection Thresholds

The table below provides the DFS Detection Thresholds for Master Devices as well as Client Devices incorporating In-Service Monitoring.

#### DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (see Notes 1, 2 and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP $<$ 200 milliwatt and power density $<$ 10 dBm/MHz	-62 dBm
EIRP $<$ 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

**NOTE 1:** This is the level at the input of the receiver assuming a 0 dBi receive antenna

**NOTE 2:** Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

**NOTE 3:** EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

### 9.4.3. Response Requirements

The following table provides the response requirements for Master and Client Devices incorporating DFS.

#### DFS Response Requirement Values

Parameter	Value
Non-Occupancy Period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds, see NOTE 1
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period, see NOTES 1 and 2
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth, see NOTE 3

**NOTE 1:** Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

**NOTE 2:** The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

**NOTE 3:** During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

#### 9.4.4. Radar Test Waveforms

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

##### 9.4.4.1. Short Radar Pulses

##### Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µS)	PRI (µS)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a	Roundup $\left\lceil \frac{1}{360} \right\rceil$ $\left\lceil \frac{19 \cdot 10^6}{PRI_{min}} \right\rceil$	60%	30
		Test B: 15 unique PRI values randomly selected in the range 518-3066 µS, with a minimum increment of 1 µS, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Note 1: Short Radar Pulse Type 0 should be used for the Detection Bandwidth test, Channel Move Time and Channel Closing Time tests

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

#### 9.4.4.2. Long Radar Pulse Test

##### Long Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Minimum Percentage of Successful Detection	Minimum Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

The parameters for this waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms.

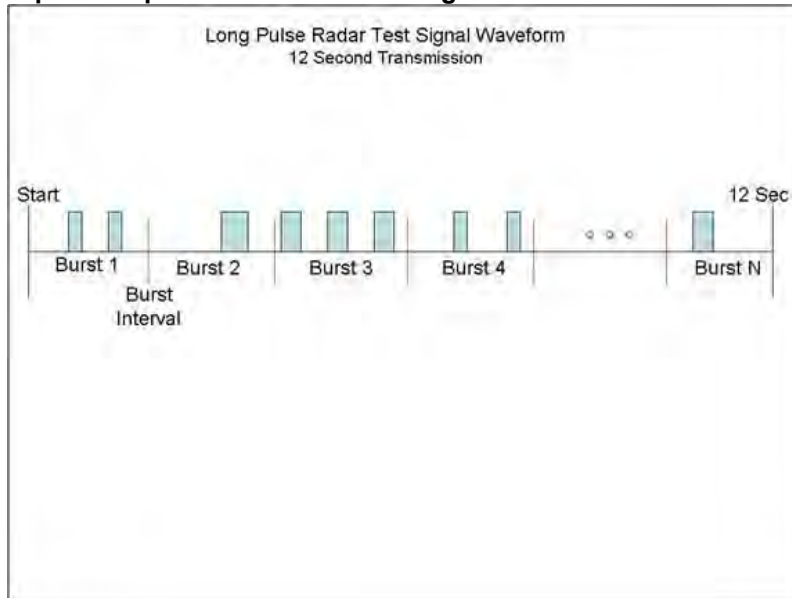
Each waveform is defined as follows:

1. The transmission period for the Long Pulse Radar test signal is 12 seconds.
2. There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
3. Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
4. The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
5. Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Pulses in different Bursts may have different chirp widths. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
6. If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
7. The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst\_Count. Each interval is of length  $(12,000,000 / \text{Burst\_Count})$  microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and  $[(12,000,000 / \text{Burst\_Count}) - (\text{Total Burst Length}) + (\text{One Random PRI Interval})]$  microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

**A representative example of a Long Pulse radar test waveform:**

1. The total test signal length is 12 seconds.
2. 8 Bursts are randomly generated for the Burst\_Count
3. Burst 1 has 2 randomly generated pulses.
4. The pulse width (for both pulses) is randomly selected to be 75 microseconds.
5. The PRI is randomly selected to be at 1213 microseconds.
6. Bursts 2 through 8 are generated using steps 3 – 5.
7. Each Burst is contained in even intervals of 1,500,000 microseconds. The starting location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2 through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2 falls in the 1,500,001 – 3,000,000 microsecond range).

**Graphical representation of the Long Pulse Radar Test Waveform.**



#### 9.4.4.3. Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	9	.333	300	70%	30

For the Frequency Hopping Radar Type, the same Burst parameters are used for each waveform. The hopping sequence is different for each waveform and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250 – 5724 MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

#### 9.4.5. Radar Waveform Calibration

The following equipment setup was used to calibrate the Radar Waveform. A spectrum analyzer was used to establish the test signal level for each radar type. During this process there were no transmissions by either the Master or Client Device. The spectrum analyzer was switched to the zero span (Time Domain) mode at the frequency of the Radar Waveform generator. Peak detection was utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz.

The signal generator amplitude was set so that the power level measured at the spectrum analyzer was equal to the DFS detection threshold +1dB (Ref Section 9.2).

#### **9.4.6. Channel Availability Check**

##### **9.4.6.4. Initial CAC**

This test verifies that the EUT does not emit pulse, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms.

The EUT is instructed to power up at the appropriate center frequency. The spectrum analyzer is set on zero span with a 1 MHz resolution bandwidth and 300 second sweep time to monitor the RF output of the EUT during power up. The analyzer's sweep will be started the same time power is applied to the U-NII device.

The EUT should not transmit any pulse or data transmissions until at least 1 minute after the completion of the power-on cycle.

The first red vertical line shown on the following plot denotes the instant when the EUT completes its power-up sequence i.e. T<sub>0</sub> (as defined within the FCC's KDB 905462 D02 Section 4.1). The power-up reference T<sub>0</sub> is determined by the time it takes for the EUT to start "beaconing" i.e. initial beacon - 60 secs = end of power-up.

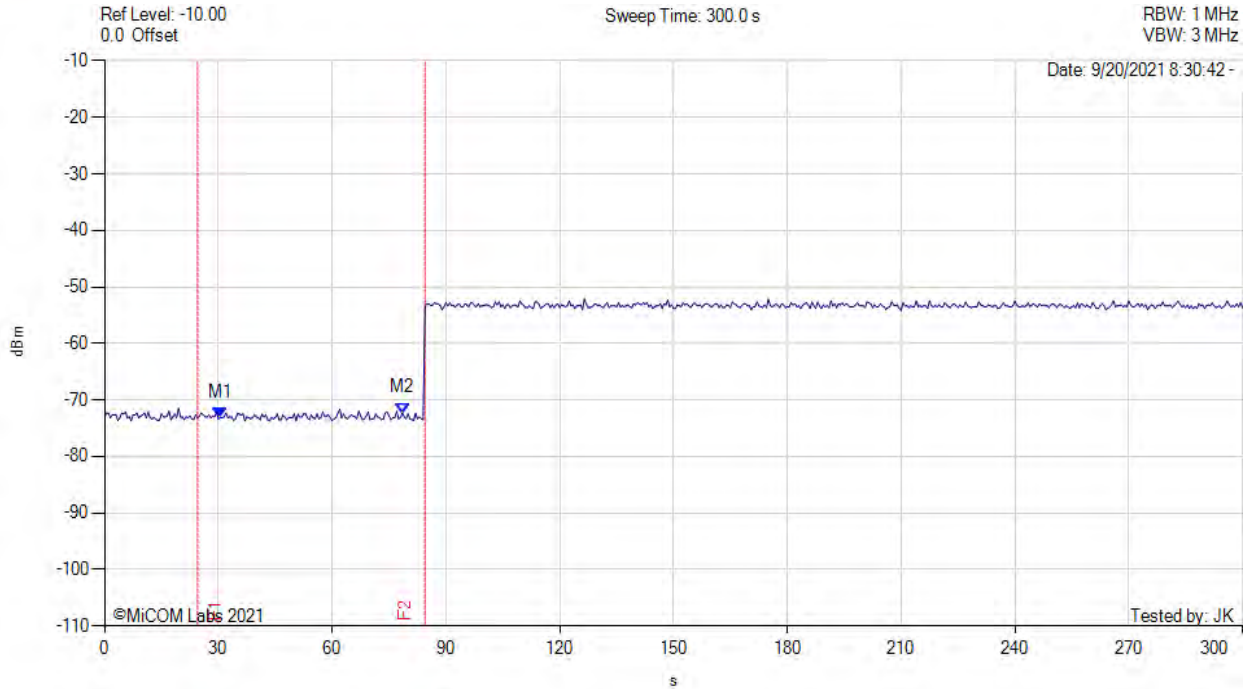
The Channel Availability Check Time commences at instant T<sub>0</sub> and will end no sooner than T<sub>0</sub> + 60 seconds. T<sub>0</sub> + 60 is indicated on the plot by the second vertical line.



INITIAL CAC



Variant: 802.11ac-80, Channel: 5530.00 MHz, Data Rate: MCS0, Duty Cycle: 0.10%, Antenna Gain: 7.50 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 30.500 s : -73.160 dBm M2 : 78.500 s : -72.330 dBm	Channel Frequency: 5530.00 MHz Observed Frequency: 5500.00 MHz

#### 9.4.6.5. Beginning CAC

The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold +1dB (Ref Section 9.2) occurs at the beginning of the Channel Availability Check Time.

A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at T0 (first red vertical marker line on the plot).

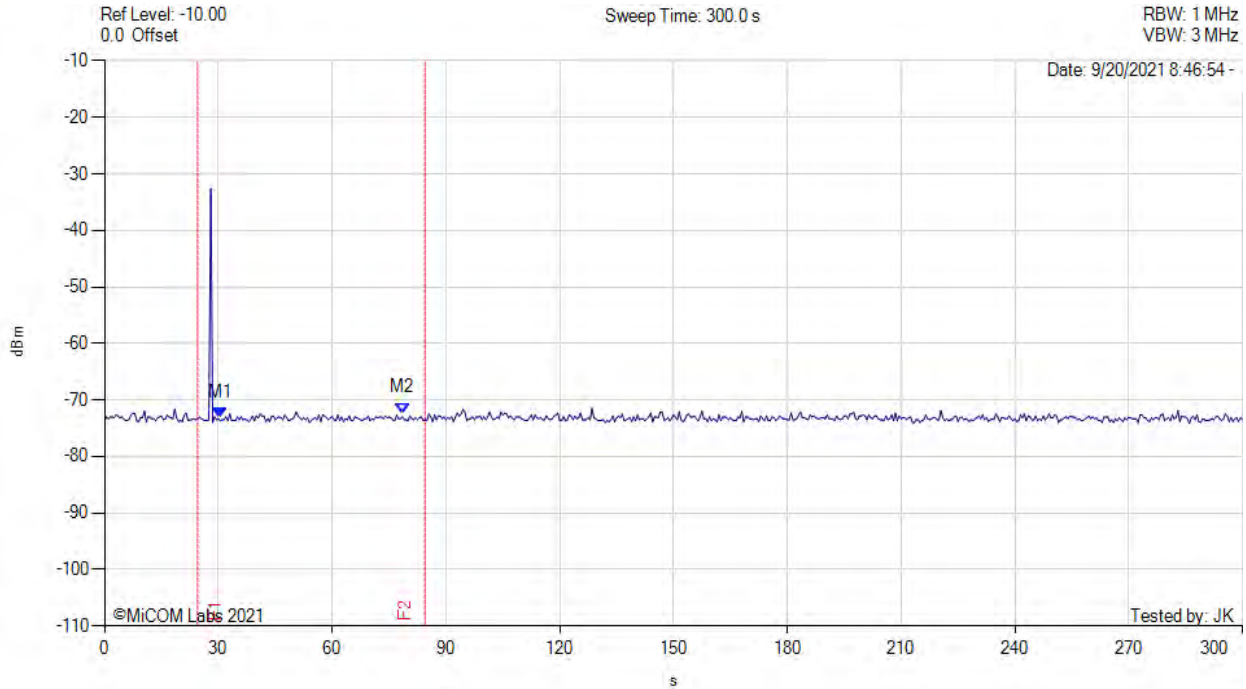
Visual indication on the EUT of successful detection of the radar Burst is recorded and reported. Observation of emissions at the appropriate center frequency will continue for 2.5 minutes after the radar burst has been generated.

T0 + 60 is indicated on the plot by the second vertical line.

BEGINNING CAC



Variant: 802.11ac-80, Channel: 5530.00 MHz, Data Rate: MCS0, Duty Cycle: 0.10%, Antenna Gain: 7.50 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 30.500 s : -73.160 dBm M2 : 78.500 s : -72.330 dBm	Channel Frequency: 5530.00 MHz Observed Frequency: 5500.00 MHz

#### 9.4.6.6. End CAC

The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold occurs at the end of the Channel Availability Check Time.

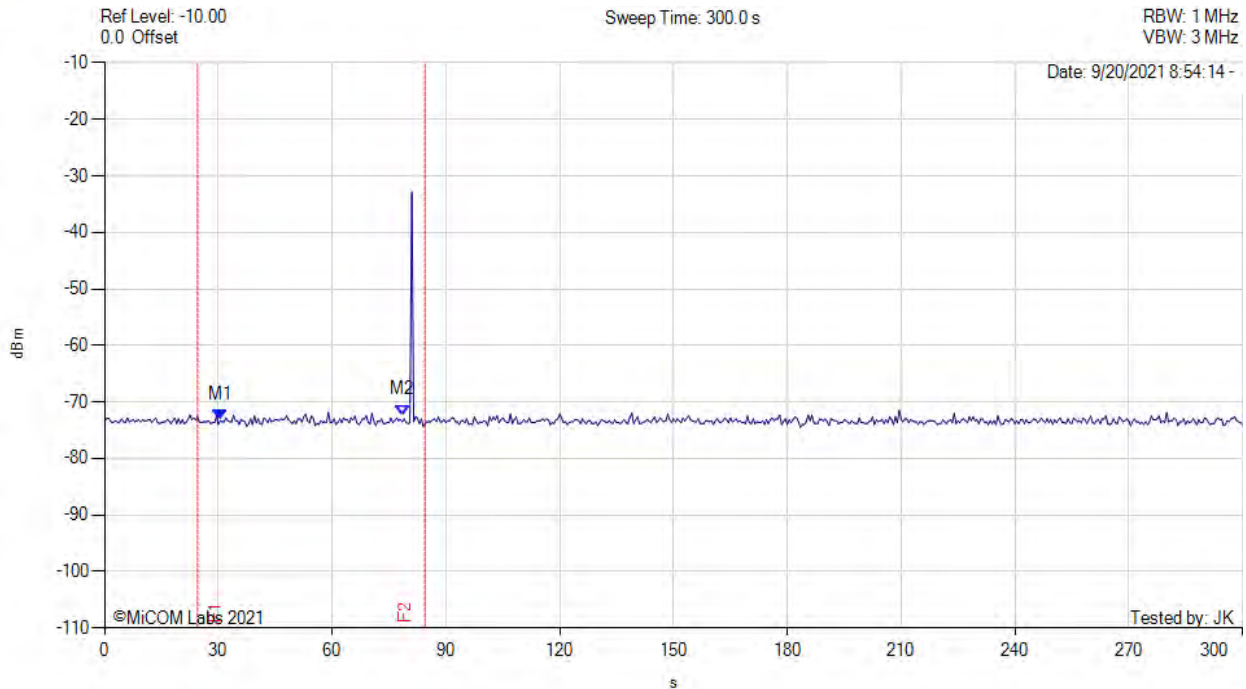
A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at  $T_0 + 54$  seconds. The window will commence at marker 3 and end at the red time line  $T_2$  ( $T_0 + 60$  secs)

Visual indication on the EUT of successful detection of the radar Burst is recorded and reported. Observation of emissions at the appropriate center frequency will continue for 2.5 minutes after the radar burst has been generated.

END CAC



Variant: 802.11ac-80, Channel: 5530.00 MHz, Data Rate: MCS0, Duty Cycle: 0.10%, Antenna Gain: 7.50 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 30.500 s : -73.160 dBm M2 : 78.500 s : -72.330 dBm	Channel Frequency: 5530.00 MHz Observed Frequency: 5500.00 MHz

#### **9.4.7. Channel Close / Transmission Time**

The steps below define the procedure to determine the above-mentioned parameters when a radar burst with a level of up to 10 dB above the DFS Detection threshold is injected on the Operating Channel of the EUT.

Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Compare the Channel Move Time and Channel Closing Transmission Time results to the limits defined in the DFS Response requirement values table.

##### **Channel Closing Transmission Time - Measurement**

The reference radar signature was introduced to the EUT, from which a 11 second transmission record was captured, as well as 1000ms of pre-trigger data. The Reference radar type was triggered to play at the exact time allowing the end of the pulse to occur at time  $t=0$ .

The system was setup to capture data for all transmission events above a given threshold level as determined and adjusted by the test engineer. The system time stamps all captured events with respect to T0 (zero time indicating the start of the measurement sequence) starting at the end of the radar pulse indicated by the purple vertical marker line in the Plot (on the next page).

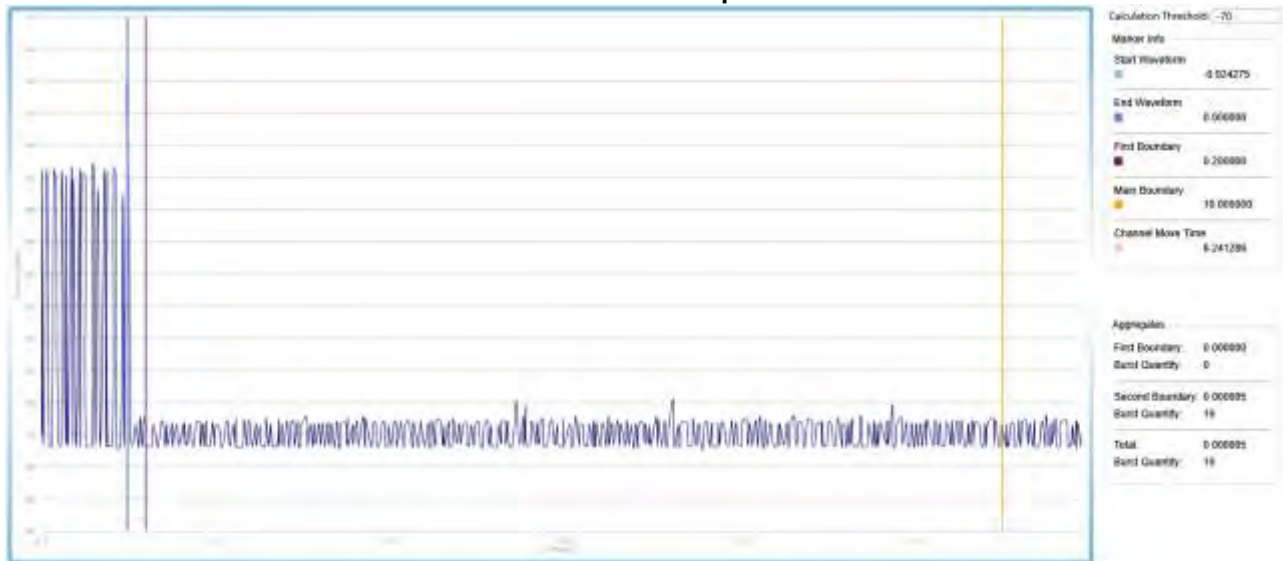
The system captured data over a 12 second period at 10 points per microsecond. The data is analyzed by counting all "bursts" that occur above the threshold limit and aggregating the time each burst is on. The data is then compressed for presentation in one 12 second segment showing all of the activity recorded over the period.

**80 MHz Channel 5530 MHz; Monitored Frequency: 5500 MHz**

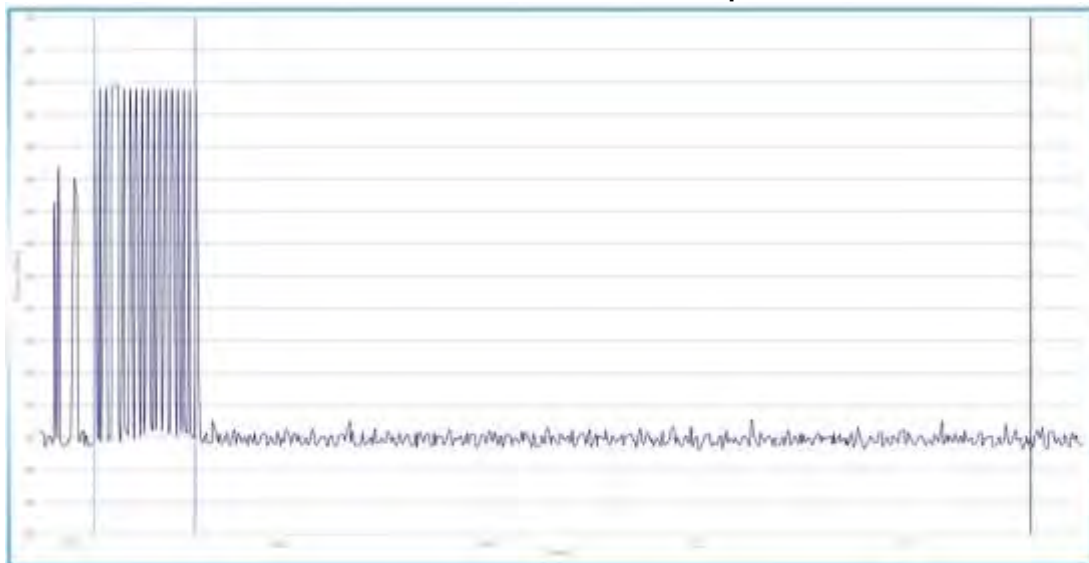
The system measures and aggregates the pulses occurring after the end of the radar pulse to determine the following parameters:

Test Heading	Time (Secs)	Limit (Secs)	Status
Channel Closing Transmission Time	0.000005	0.260	Complies
Channel Move Time	6.241286	10.0	Complies

**Channel Move Time  
0 - 12 Second Capture**



**Channel Closing Time**  
**0 – 0.2 Second Capture**



Calculation Threshold: 10

Marker info

Start Waveform	0.000000
End Waveform	0.000000
First Boundary	0.200000
Main Boundary	0.000000
Channel Close Time	0.241280

Aggregates

First Boundary	0.000000
Burst Quantity	0
Second Boundary	0.000000
Burst Quantity	16
Total	0.000000
Burst Quantity	16



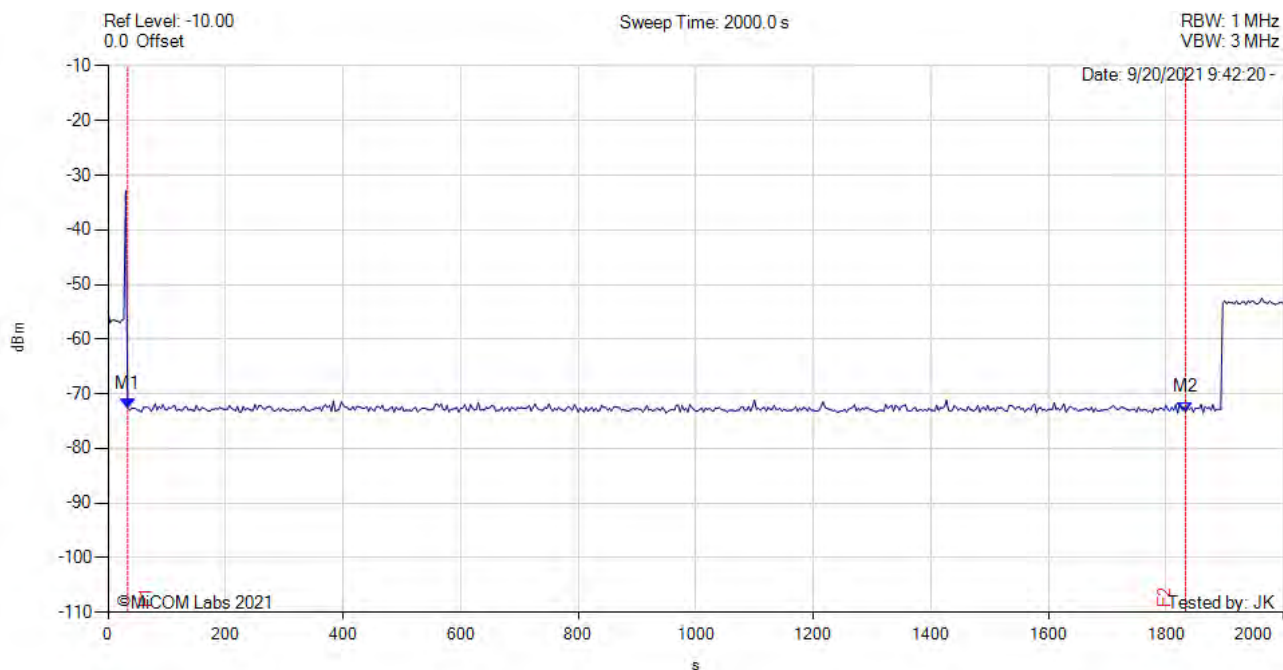
### 9.4.8. Non-Occupancy Period

The EUT is monitored for more than 30 minutes following the channel close/move time to verify no transmissions resume on this Channel. There should be no transmissions on the frequency of interest during the non-occupancy period.

#### NON-OCCUPANCY PERIOD



Variant: 802.11ac-80, Channel: 5530.00 MHz, Data Rate: MCS0, Duty Cycle: 18.00%, Antenna Gain: 7.50 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 33.333 s : -72.660 dBm M2: 1833.333 s : -73.330 dBm	Channel Frequency: 5530.00 MHz

#### 9.4.9. Probability of Detection

The steps below define the procedure to determine the minimum percentage of detection when a radar burst with a level equal to the DFS Detection Threshold is generated on the Operating Channel of the U-NII device.

The Radar Waveform generator sends the individual waveform for each of the radar Types 1-6. Statistical data will be gathered to determine the ability of the device to detect the radar test waveforms. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. The percentage of successful detection is calculated by:

$$\text{Total \# of detections} \div \text{Total \# of Trials} \times 100 = \text{Probability of Detection}$$

The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in the Radar Test Waveforms section.

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections;

#### Example - Calculation of Aggregate Percentage

Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections
1	35	29	82.9%
2	30	18	60.0%
3	30	27	90.0%
4	30	44	88.0%
<b>Aggregate (82.9% + 60.0% + 90.0% +88.0%) / 4 = 80.2%</b>			

802.11a - 5500 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 1	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 2	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 3	30	29	96.67%	Complies	<a href="#">View Data</a>
Radar Type 4	30	24	80.00%	Complies	<a href="#">View Data</a>
<b>Aggregate (100.00% + 100.00% + 96.67% + 80.00%) / 4 = 94.17%</b>				Complies	--
Radar Type 5	30	29	96.67%	Complies	<a href="#">View Data</a>
Radar Type 6	30	27	90.00%	Complies	<a href="#">View Data</a>

802.11ac-80 - 5530 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 1	30	26	86.67%	Complies	<a href="#">View Data</a>
Radar Type 2	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 3	30	29	96.67%	Complies	<a href="#">View Data</a>
Radar Type 4	30	28	93.33%	Complies	<a href="#">View Data</a>
<b>Aggregate (86.67% + 100.00% + 96.67% + 93.33%) / 4 = 94.17%</b>				Complies	--
Radar Type 5	31	26	83.87%	Complies	<a href="#">View Data</a>
Radar Type 6	30	30	100.00%	Complies	<a href="#">View Data</a>

802.11n HT-40 - 5510 MHz

Statistical Performance Check					
Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections	Result	Data Link
Radar Type 1	30	28	93.33%	Complies	<a href="#">View Data</a>
Radar Type 2	30	25	83.33%	Complies	<a href="#">View Data</a>
Radar Type 3	30	27	90.00%	Complies	<a href="#">View Data</a>
Radar Type 4	30	30	100.00%	Complies	<a href="#">View Data</a>
<b>Aggregate (93.33% + 83.33% + 90.00% + 100.00%) / 4 = 91.67%</b>				Complies	--
Radar Type 5	30	30	100.00%	Complies	<a href="#">View Data</a>
Radar Type 6	30	30	100.00%	Complies	<a href="#">View Data</a>

**Equipment Configuration for Radar Type 1**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5494	1	598	89	1	1	100.00	Detected
5496	1	918	58	1	1	100.00	Detected
5499	1	538	99	1	1	100.00	Detected
5493	1	578	92	1	1	100.00	Detected
5503	1	558	95	1	1	100.00	Detected
5506	1	718	74	1	1	100.00	Detected
5501	1	798	67	1	1	100.00	Detected
5494	1	858	62	1	1	100.00	Detected
5497	1	618	86	1	1	100.00	Detected
5500	1	698	76	1	1	100.00	Detected
5503	1	3066	18	1	1	100.00	Detected
5507	1	658	81	1	1	100.00	Detected
5507	1	738	72	1	1	100.00	Detected
5498	1	878	61	1	1	100.00	Detected
5500	1	638	83	1	1	100.00	Detected
5491	1	758	70	1	1	100.00	Detected
5506	1	2197	25	1	1	100.00	Detected
5503	1	1102	48	1	1	100.00	Detected
5504	1	1426	38	1	1	100.00	Detected
5501	1	593	90	1	1	100.00	Detected
5508	1	1340	40	1	1	100.00	Detected
5492	1	2605	21	1	1	100.00	Detected
5498	1	1897	28	1	1	100.00	Detected
5501	1	2293	24	1	1	100.00	Detected
5494	1	828	64	1	1	100.00	Detected
5496	1	1169	46	1	1	100.00	Detected
5506	1	2656	20	1	1	100.00	Detected
5503	1	964	55	1	1	100.00	Detected
5496	1	995	54	1	1	100.00	Detected
5509	1	861	62	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>30</b>	<b>100.00</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 2**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5503	2.7	194	27	1	1	100.00	Detected
5491	3.3	190	29	1	1	100.00	Detected
5508	4.8	230	29	1	1	100.00	Detected
5499	2.8	174	25	1	1	100.00	Detected
5508	1.2	208	25	1	1	100.00	Detected
5504	3.8	195	25	1	1	100.00	Detected
5504	4.1	187	29	1	1	100.00	Detected
5491	2.9	227	26	1	1	100.00	Detected
5497	2.6	181	26	1	1	100.00	Detected
5505	2.8	215	28	1	1	100.00	Detected
5491	3.6	213	24	1	1	100.00	Detected
5493	2.3	213	25	1	1	100.00	Detected
5501	2.3	169	24	1	1	100.00	Detected
5499	3.6	182	29	1	1	100.00	Detected
5507	1.6	224	24	1	1	100.00	Detected
5492	3.1	221	26	1	1	100.00	Detected
5491	2.8	201	23	1	1	100.00	Detected
5492	4.1	194	26	1	1	100.00	Detected
5495	4.6	174	23	1	1	100.00	Detected
5508	2.4	171	25	1	1	100.00	Detected
5509	1.4	185	27	1	1	100.00	Detected
5495	4	156	27	1	1	100.00	Detected
5509	2.8	203	27	1	1	100.00	Detected
5500	3.3	208	26	1	1	100.00	Detected
5505	2.4	166	27	1	1	100.00	Detected
5503	3.9	174	28	1	1	100.00	Detected
5505	4	228	27	1	1	100.00	Detected
5497	2.3	151	26	1	1	100.00	Detected
5507	3.1	169	23	1	1	100.00	Detected
5492	1.7	167	24	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>30</b>	<b>100.00</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 3**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5497	9.7	221	17	1	1	100.00	Detected
5493	9.7	494	18	1	1	100.00	Detected
5494	9.2	295	17	1	1	100.00	Detected
5493	8.3	413	16	1	1	100.00	Detected
5505	8.7	480	17	1	1	100.00	Detected
5505	8	305	18	1	1	100.00	Detected
5499	6.6	417	18	1	1	100.00	Detected
5497	8.8	322	17	1	1	100.00	Detected
5493	9.8	297	18	1	1	100.00	Detected
5503	8.8	392	18	1	1	100.00	Detected
5505	7.2	324	17	1	1	100.00	Detected
5491	7.8	313	16	1	1	100.00	Detected
5506	9.9	269	17	1	1	100.00	Detected
5495	8.9	348	18	1	1	100.00	Detected
5502	7.6	253	18	1	1	100.00	Detected
5494	10	299	17	1	1	100.00	Detected
5498	9	334	16	1	1	100.00	Detected
5495	9.8	388	16	1	1	100.00	Detected
5491	6.4	414	17	1	1	100.00	Detected
5492	9.2	398	18	1	1	100.00	Detected
5505	7.6	248	17	1	1	100.00	Detected
5500	10	299	17	1	1	100.00	Detected
5499	7.8	250	16	1	1	100.00	Detected
5500	8.7	391	18	1	0	0.00	Not Detected
5509	9.8	248	16	1	1	100.00	Detected
5509	6.7	220	18	1	1	100.00	Detected
5497	6.6	313	16	1	1	100.00	Detected
5491	6.1	436	18	1	1	100.00	Detected
5505	6.7	257	18	1	1	100.00	Detected
5506	9.8	494	17	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>29</b>	<b>96.67</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 4**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5498	11.4	424	15	1	1	100.00	Detected
5506	14.5	369	13	1	1	100.00	Detected
5499	19.4	353	12	1	1	100.00	Detected
5503	14.5	500	14	1	1	100.00	Detected
5497	13.7	209	13	1	1	100.00	Detected
5502	12.5	317	14	1	0	0.00	Not Detected
5503	14.4	348	13	1	0	0.00	Not Detected
5500	18.5	484	12	1	0	0.00	Not Detected
5509	17.8	459	16	1	1	100.00	Detected
5499	13.5	220	16	1	1	100.00	Detected
5502	11.1	412	12	1	1	100.00	Detected
5500	16.9	245	13	1	1	100.00	Detected
5494	16.4	341	14	1	0	0.00	Not Detected
5508	16.8	438	13	1	1	100.00	Detected
5503	13.9	235	14	1	1	100.00	Detected
5507	13.1	466	15	1	1	100.00	Detected
5509	15.5	243	16	1	1	100.00	Detected
5501	11.4	246	12	1	0	0.00	Not Detected
5495	11.7	427	15	1	1	100.00	Detected
5499	13.8	476	12	1	1	100.00	Detected
5495	12.2	244	16	1	1	100.00	Detected
5497	14.7	223	13	1	1	100.00	Detected
5509	16.6	291	12	1	1	100.00	Detected
5494	16.9	219	13	1	1	100.00	Detected
5493	11.8	226	12	1	1	100.00	Detected
5500	13.5	450	12	1	0	0.00	Not Detected
5499	14.7	291	16	1	1	100.00	Detected
5507	12.7	432	13	1	1	100.00	Detected
5498	11.9	255	15	1	1	100.00	Detected
5492	11.1	278	14	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>24</b>	<b>80.00</b>	<b>Pass</b>



**Equipment Configuration for Radar Type 5**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5503	1	1	100.00	Detected
Type 5 #2 5501	1	1	100.00	Detected
Type 5 #3 5506	1	1	100.00	Detected
Type 5 #4 5504	1	1	100.00	Detected
Type 5 #5 5493	1	1	100.00	Detected
Type 5 #6 5500	1	1	100.00	Detected
Type 5 #7 5504	1	1	100.00	Detected
Type 5 #8 5500	1	1	100.00	Detected
Type 5 #9 5500	1	1	100.00	Detected
Type 5 #10 5502	1	1	100.00	Detected
Type 5 #11 5505	1	1	100.00	Detected
Type 5 #12 5500	1	1	100.00	Detected
Type 5 #13 5494	1	1	100.00	Detected
Type 5 #14 5496	1	1	100.00	Detected
Type 5 #15 5493	1	1	100.00	Detected
Type 5 #16 5499	1	1	100.00	Detected
Type 5 #17 5505	1	1	100.00	Detected
Type 5 #18 5493	1	1	100.00	Detected
Type 5 #19 5504	1	1	100.00	Detected
Type 5 #20 5504	1	1	100.00	Detected
Type 5 #21 5499	1	0	0.00	Not Detected
Type 5 #22 5495	1	1	100.00	Detected
Type 5 #23 5500	1	1	100.00	Detected
Type 5 #24 5500	1	1	100.00	Detected
Type 5 #25 5498	1	1	100.00	Detected
Type 5 #26 5500	1	1	100.00	Detected
Type 5 #27 5493	1	1	100.00	Detected
Type 5 #28 5500	1	1	100.00	Detected
Type 5 #29 5500	1	1	100.00	Detected
Type 5 #30 5500	1	1	100.00	Detected
<b>Aggregate:</b>	<b>30</b>	<b>29</b>	<b>96.67</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 6**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	20.00
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Detections	Injection #	Detection Rate	Pass/Fail
Type 6 #1	1	1	100	Detected
Type 6 #2	1	1	100	Detected
Type 6 #3	1	0	0	Not Detected
Type 6 #4	1	1	100	Detected
Type 6 #5	1	1	100	Detected
Type 6 #6	1	1	100	Detected
Type 6 #7	1	1	100	Detected
Type 6 #8	1	1	100	Detected
Type 6 #9	1	1	100	Detected
Type 6 #10	1	1	100	Detected
Type 6 #11	1	1	100	Detected
Type 6 #12	1	1	100	Detected
Type 6 #13	1	1	100	Detected
Type 6 #14	1	1	100	Detected
Type 6 #15	1	1	100	Detected
Type 6 #16	1	1	100	Detected
Type 6 #17	1	1	100	Detected
Type 6 #18	1	0	0	Not Detected
Type 6 #19	1	1	100	Detected
Type 6 #20	1	1	100	Detected
Type 6 #21	1	1	100	Detected
Type 6 #22	1	1	100	Detected
Type 6 #23	1	1	100	Detected
Type 6 #24	1	1	100	Detected
Type 6 #25	1	1	100	Detected
Type 6 #26	1	1	100	Detected
Type 6 #27	1	1	100	Detected
Type 6 #28	1	0	0	Not Detected
Type 6 #29	1	1	100	Detected
Type 6 #30	1	1	100	Detected
<b>Aggregate:</b>	<b>30</b>	<b>27</b>	<b>90.00</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 1**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	18.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5557	1	798	67	1	1	100.00	Detected
5565	1	758	70	1	1	100.00	Detected
5520	1	778	68	1	1	100.00	Detected
5542	1	678	78	1	1	100.00	Detected
5508	1	918	58	1	1	100.00	Detected
5547	1	718	74	1	0	0.00	Not Detected
5506	1	658	81	1	1	100.00	Detected
5494	1	618	86	1	1	100.00	Detected
5567	1	538	99	1	1	100.00	Detected
5502	1	598	89	1	1	100.00	Detected
5557	1	738	72	1	1	100.00	Detected
5524	1	578	92	1	1	100.00	Detected
5492	1	858	62	1	1	100.00	Detected
5520	1	698	76	1	1	100.00	Detected
5533	1	938	57	1	0	0.00	Not Detected
5545	1	898	59	1	0	0.00	Not Detected
5493	1	2868	19	1	1	100.00	Detected
5497	1	2413	22	1	1	100.00	Detected
5516	1	2197	25	1	1	100.00	Detected
5528	1	889	60	1	1	100.00	Detected
5495	1	2856	19	1	1	100.00	Detected
5497	1	746	71	1	1	100.00	Detected
5492	1	1645	33	1	1	100.00	Detected
5526	1	1973	27	1	1	100.00	Detected
5497	1	2926	19	1	1	100.00	Detected
5533	1	533	100	1	0	0.00	Not Detected
5510	1	2997	18	1	1	100.00	Detected
5566	1	1680	32	1	1	100.00	Detected
5505	1	2677	20	1	1	100.00	Detected
5531	1	2735	20	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>26</b>	<b>86.67</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 2**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	18.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5509	2.6	217	25	1	1	100.00	Detected
5505	4.6	189	24	1	1	100.00	Detected
5516	2.1	226	25	1	1	100.00	Detected
5537	5	165	29	1	1	100.00	Detected
5516	2.3	158	26	1	1	100.00	Detected
5496	4.2	165	27	1	1	100.00	Detected
5517	3.8	196	23	1	1	100.00	Detected
5565	3.4	195	26	1	1	100.00	Detected
5503	3.4	224	27	1	1	100.00	Detected
5498	3.8	223	23	1	1	100.00	Detected
5565	1.7	170	28	1	1	100.00	Detected
5568	1.8	183	24	1	1	100.00	Detected
5552	1.2	160	28	1	1	100.00	Detected
5548	4.8	216	26	1	1	100.00	Detected
5508	1.9	152	26	1	1	100.00	Detected
5518	2.8	175	27	1	1	100.00	Detected
5547	2.9	164	29	1	1	100.00	Detected
5497	3.2	218	27	1	1	100.00	Detected
5523	1.1	199	29	1	1	100.00	Detected
5534	2.6	198	23	1	1	100.00	Detected
5512	2.3	171	29	1	1	100.00	Detected
5528	3.8	209	24	1	1	100.00	Detected
5552	2.9	184	28	1	1	100.00	Detected
5544	2.7	211	26	1	1	100.00	Detected
5558	3.2	154	26	1	1	100.00	Detected
5493	2.8	164	24	1	1	100.00	Detected
5507	3.1	185	28	1	1	100.00	Detected
5517	4.8	221	28	1	1	100.00	Detected
5540	4.6	167	23	1	1	100.00	Detected
5505	2.6	168	23	1	1	100.00	Detected
<b>Aggregate:</b>			<b>30</b>	<b>30</b>	<b>30</b>	<b>100.00</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 3**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	18.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5549	9.9	256	17	1	1	100.00	Detected
5501	10	480	18	1	1	100.00	Detected
5511	6.4	200	16	1	1	100.00	Detected
5518	6.3	229	18	1	1	100.00	Detected
5502	6.1	412	18	1	1	100.00	Detected
5512	6	460	18	1	1	100.00	Detected
5537	8.5	266	18	1	1	100.00	Detected
5508	8.9	299	17	1	1	100.00	Detected
5515	6.2	431	16	1	1	100.00	Detected
5511	8.4	236	16	1	1	100.00	Detected
5537	7.8	340	16	1	1	100.00	Detected
5564	9.5	338	17	1	1	100.00	Detected
5554	7.5	465	16	1	1	100.00	Detected
5545	7.1	424	18	1	1	100.00	Detected
5501	7.4	500	17	1	1	100.00	Detected
5551	6.6	433	17	1	1	100.00	Detected
5551	8.2	411	16	1	1	100.00	Detected
5516	6.2	375	17	1	1	100.00	Detected
5561	8	310	18	1	0	0.00	Not Detected
5533	8.5	473	18	1	1	100.00	Detected
5504	8.7	487	18	1	1	100.00	Detected
5557	6.7	430	16	1	1	100.00	Detected
5514	6.1	475	18	1	1	100.00	Detected
5537	8.5	334	17	1	1	100.00	Detected
5544	9.8	338	17	1	1	100.00	Detected
5505	6.6	270	18	1	1	100.00	Detected
5553	7.3	278	16	1	1	100.00	Detected
5561	9.7	262	17	1	1	100.00	Detected
5525	7.1	302	16	1	1	100.00	Detected
5508	9.8	404	17	1	1	100.00	Detected
<b>Aggregate:</b>			<b>30</b>	<b>29</b>	<b>29</b>	<b>96.67</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 4**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	18.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5551	17	202	13	1	1	100.00	Detected
5503	17.1	489	13	1	1	100.00	Detected
5495	19.5	243	14	1	1	100.00	Detected
5505	15.6	361	12	1	1	100.00	Detected
5525	12.8	208	14	1	1	100.00	Detected
5562	16	237	13	1	1	100.00	Detected
5555	14.8	344	13	1	1	100.00	Detected
5513	14.1	265	15	1	1	100.00	Detected
5512	18.8	389	14	1	1	100.00	Detected
5503	19.5	381	12	1	1	100.00	Detected
5520	19.9	249	16	1	1	100.00	Detected
5552	16.5	293	16	1	1	100.00	Detected
5549	14	398	12	1	1	100.00	Detected
5562	12.4	406	13	1	1	100.00	Detected
5534	16.7	341	15	1	1	100.00	Detected
5506	16.9	498	15	1	1	100.00	Detected
5547	14.7	300	13	1	1	100.00	Detected
5559	11.3	460	14	1	1	100.00	Detected
5537	19.1	245	16	1	0	0.00	Not Detected
5522	12.4	377	13	1	1	100.00	Detected
5500	16	367	16	1	1	100.00	Detected
5545	12.9	445	12	1	1	100.00	Detected
5505	14.7	488	14	1	1	100.00	Detected
5528	19	481	15	1	1	100.00	Detected
5568	15.2	273	13	1	1	100.00	Detected
5513	20	213	15	1	1	100.00	Detected
5527	12.5	323	12	1	0	0.00	Not Detected
5492	17.8	447	13	1	1	100.00	Detected
5495	13.4	381	15	1	1	100.00	Detected
5499	11.4	201	14	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>28</b>	<b>93.33</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 5**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	18.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5530	1	1	100.00	Detected
Type 5 #2 5530	1	1	100.00	Detected
Type 5 #3 5500	1	1	100.00	Detected
Type 5 #4 5563	1	1	100.00	Detected
Type 5 #5 5561	1	1	100.00	Detected
Type 5 #6 5530	1	0	0.00	Not Detected
Type 5 #7 5530	1	0	0.00	Not Detected
Type 5 #8 5530	1	1	100.00	Detected
Type 5 #9 5565	1	1	100.00	Detected
Type 5 #10 5560	1	0	0.00	Not Detected
Type 5 #11 5564	1	1	100.00	Detected
Type 5 #12 5563	1	1	100.00	Detected
Type 5 #13 5530	1	0	0.00	Not Detected
Type 5 #14 5560	1	1	100.00	Detected
Type 5 #15 5499	1	1	100.00	Detected
Type 5 #16 5498	1	1	100.00	Detected
Type 5 #17 5561	1	1	100.00	Detected
Type 5 #18 5530	1	0	0.00	Not Detected
Type 5 #19 5530	1	1	100.00	Detected
Type 5 #20 5499	1	1	100.00	Detected
Type 5 #21 5497	1	1	100.00	Detected
Type 5 #22 5560	1	1	100.00	Detected
Type 5 #23 5494	1	1	100.00	Detected
Type 5 #24 5530	1	1	100.00	Detected
Type 5 #25 5562	1	1	100.00	Detected
Type 5 #26 5530	1	1	100.00	Detected
Type 5 #27 5496	1	1	100.00	Detected
Type 5 #28 5494	1	1	100.00	Detected
Type 5 #29 5499	1	1	100.00	Detected
Type 5 #30 5498	1	1	100.00	Detected
<b>Aggregate:</b>	<b>31</b>	<b>26</b>	<b>83.87</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 6**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	18.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Detections	Injection #	Detection Rate	Pass/Fail
Type 6 #1	1	1	100	Detected
Type 6 #2	1	1	100	Detected
Type 6 #3	1	1	100	Detected
Type 6 #4	1	1	100	Detected
Type 6 #5	1	1	100	Detected
Type 6 #6	1	1	100	Detected
Type 6 #7	1	1	100	Detected
Type 6 #8	1	1	100	Detected
Type 6 #9	1	1	100	Detected
Type 6 #10	1	1	100	Detected
Type 6 #11	1	1	100	Detected
Type 6 #12	1	1	100	Detected
Type 6 #13	1	1	100	Detected
Type 6 #14	1	1	100	Detected
Type 6 #15	1	1	100	Detected
Type 6 #16	1	1	100	Detected
Type 6 #17	1	1	100	Detected
Type 6 #18	1	1	100	Detected
Type 6 #19	1	1	100	Detected
Type 6 #20	1	1	100	Detected
Type 6 #21	1	1	100	Detected
Type 6 #22	1	1	100	Detected
Type 6 #23	1	1	100	Detected
Type 6 #24	1	1	100	Detected
Type 6 #25	1	1	100	Detected
Type 6 #26	1	1	100	Detected
Type 6 #27	1	1	100	Detected
Type 6 #28	1	1	100	Detected
Type 6 #29	1	1	100	Detected
Type 6 #30	1	1	100	Detected
<b>Aggregate:</b>	<b>30</b>	<b>30</b>	<b>100.00</b>	<b>Pass</b>



**Equipment Configuration for Radar Type 1**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	17.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5505	1	538	99	1	1	100.00	Detected
5526	1	3066	18	1	1	100.00	Detected
5515	1	658	81	1	1	100.00	Detected
5514	1	578	92	1	1	100.00	Detected
5492	1	678	78	1	1	100.00	Detected
5497	1	758	70	1	0	0.00	Not Detected
5507	1	618	86	1	1	100.00	Detected
5506	1	898	59	1	1	100.00	Detected
5525	1	858	62	1	1	100.00	Detected
5515	1	698	76	1	1	100.00	Detected
5518	1	878	61	1	1	100.00	Detected
5518	1	558	95	1	1	100.00	Detected
5508	1	598	89	1	1	100.00	Detected
5522	1	718	74	1	1	100.00	Detected
5515	1	938	57	1	1	100.00	Detected
5504	1	638	83	1	1	100.00	Detected
5522	1	704	75	1	1	100.00	Detected
5504	1	2723	20	1	1	100.00	Detected
5499	1	2510	22	1	1	100.00	Detected
5493	1	3053	18	1	0	0.00	Not Detected
5509	1	2206	24	1	1	100.00	Detected
5509	1	941	57	1	1	100.00	Detected
5494	1	1569	34	1	1	100.00	Detected
5509	1	2197	25	1	1	100.00	Detected
5514	1	785	68	1	1	100.00	Detected
5515	1	580	91	1	1	100.00	Detected
5501	1	2356	23	1	1	100.00	Detected
5499	1	2105	26	1	1	100.00	Detected
5503	1	2861	19	1	1	100.00	Detected
5512	1	1919	28	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>28</b>	<b>93.33</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 2**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	17.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5507	2.9	184	23	1	1	100.00	Detected
5526	1.5	198	25	1	1	100.00	Detected
5522	3.1	200	23	1	1	100.00	Detected
5519	3.6	210	23	1	1	100.00	Detected
5502	3.2	225	23	1	0	0.00	Not Detected
5515	1.7	193	26	1	1	100.00	Detected
5504	2.2	211	23	1	1	100.00	Detected
5523	3.8	195	24	1	1	100.00	Detected
5500	2.9	195	23	1	0	0.00	Not Detected
5500	2.8	169	29	1	1	100.00	Detected
5522	1.5	216	23	1	1	100.00	Detected
5510	3	172	27	1	1	100.00	Detected
5527	1.6	178	28	1	0	0.00	Not Detected
5528	3	224	24	1	1	100.00	Detected
5526	4.6	207	27	1	1	100.00	Detected
5505	3	190	23	1	1	100.00	Detected
5527	2.4	222	24	1	1	100.00	Detected
5495	3.9	216	28	1	1	100.00	Detected
5503	4.9	168	26	1	1	100.00	Detected
5504	2.8	153	28	1	1	100.00	Detected
5492	1.6	160	27	1	1	100.00	Detected
5505	4.2	173	28	1	1	100.00	Detected
5512	2.2	157	25	1	0	0.00	Not Detected
5519	3.5	198	25	1	1	100.00	Detected
5515	3.8	160	24	1	1	100.00	Detected
5514	1.1	192	24	1	1	100.00	Detected
5504	3.1	186	23	1	0	0.00	Not Detected
5501	2.7	224	26	1	1	100.00	Detected
5524	4.6	198	24	1	1	100.00	Detected
5505	4.2	212	24	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>25</b>	<b>83.33</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 3**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	17.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5494	6.6	409	18	1	0	0.00	Not Detected
5516	8	225	18	1	1	100.00	Detected
5505	9.7	466	17	1	1	100.00	Detected
5504	9.6	258	16	1	1	100.00	Detected
5514	9.6	309	18	1	1	100.00	Detected
5504	7.1	344	16	1	1	100.00	Detected
5506	8.5	338	18	1	1	100.00	Detected
5493	7.5	482	18	1	1	100.00	Detected
5526	9.9	227	17	1	1	100.00	Detected
5503	9	376	18	1	1	100.00	Detected
5508	9.1	394	17	1	1	100.00	Detected
5511	7.1	244	18	1	1	100.00	Detected
5517	8.4	379	17	1	1	100.00	Detected
5508	9.8	445	18	1	1	100.00	Detected
5516	8.2	315	16	1	1	100.00	Detected
5493	7	392	18	1	1	100.00	Detected
5528	6.2	418	17	1	1	100.00	Detected
5521	8.9	405	18	1	1	100.00	Detected
5503	8.1	317	17	1	1	100.00	Detected
5514	6.6	384	16	1	0	0.00	Not Detected
5509	7.9	242	17	1	1	100.00	Detected
5521	7.8	317	18	1	0	0.00	Not Detected
5497	7.2	440	18	1	1	100.00	Detected
5505	8.2	441	16	1	1	100.00	Detected
5497	8.6	307	17	1	1	100.00	Detected
5511	9.2	253	18	1	1	100.00	Detected
5525	8.9	251	18	1	1	100.00	Detected
5512	7	251	17	1	1	100.00	Detected
5526	7	371	17	1	1	100.00	Detected
5495	6.8	263	17	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>27</b>	<b>90.00</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 4**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	17.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5516	17.7	261	14	1	1	100.00	Detected
5526	19.2	350	15	1	1	100.00	Detected
5518	12.7	325	16	1	1	100.00	Detected
5520	12.3	377	15	1	1	100.00	Detected
5503	12.5	361	12	1	1	100.00	Detected
5502	15.3	327	16	1	1	100.00	Detected
5496	13.4	450	12	1	1	100.00	Detected
5528	13.3	229	16	1	1	100.00	Detected
5508	18.5	441	15	1	1	100.00	Detected
5513	17.1	213	16	1	1	100.00	Detected
5500	14.7	258	13	1	1	100.00	Detected
5523	12.8	426	15	1	1	100.00	Detected
5516	19.1	273	16	1	1	100.00	Detected
5516	12.4	271	12	1	1	100.00	Detected
5504	13.7	310	15	1	1	100.00	Detected
5494	14.5	434	14	1	1	100.00	Detected
5495	15.2	359	16	1	1	100.00	Detected
5504	18.2	225	15	1	1	100.00	Detected
5496	15.9	449	16	1	1	100.00	Detected
5502	11.6	217	16	1	1	100.00	Detected
5510	11.3	333	12	1	1	100.00	Detected
5492	12.5	288	13	1	1	100.00	Detected
5514	16.5	339	13	1	1	100.00	Detected
5503	14.4	475	16	1	1	100.00	Detected
5515	17.6	279	13	1	1	100.00	Detected
5516	18.2	337	16	1	1	100.00	Detected
5522	16.5	443	12	1	1	100.00	Detected
5504	14.2	472	13	1	1	100.00	Detected
5501	15	245	12	1	1	100.00	Detected
5526	17.3	337	16	1	1	100.00	Detected
<b>Aggregate:</b>				<b>30</b>	<b>30</b>	<b>100.00</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 5**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	17.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5524	1	1	100.00	Detected
Type 5 #2 5525	1	1	100.00	Detected
Type 5 #3 5496	1	1	100.00	Detected
Type 5 #4 5510	1	1	100.00	Detected
Type 5 #5 5496	1	1	100.00	Detected
Type 5 #6 5499	1	1	100.00	Detected
Type 5 #7 5522	1	1	100.00	Detected
Type 5 #8 5494	1	1	100.00	Detected
Type 5 #9 5494	1	1	100.00	Detected
Type 5 #10 5495	1	1	100.00	Detected
Type 5 #11 5510	1	1	100.00	Detected
Type 5 #12 5510	1	1	100.00	Detected
Type 5 #13 5496	1	1	100.00	Detected
Type 5 #14 5510	1	1	100.00	Detected
Type 5 #15 5522	1	1	100.00	Detected
Type 5 #16 5522	1	1	100.00	Detected
Type 5 #17 5522	1	1	100.00	Detected
Type 5 #18 5510	1	1	100.00	Detected
Type 5 #19 5520	1	1	100.00	Detected
Type 5 #20 5520	1	1	100.00	Detected
Type 5 #21 5510	1	1	100.00	Detected
Type 5 #22 5524	1	1	100.00	Detected
Type 5 #23 5510	1	1	100.00	Detected
Type 5 #24 5510	1	1	100.00	Detected
Type 5 #25 5510	1	1	100.00	Detected
Type 5 #26 5510	1	1	100.00	Detected
Type 5 #27 5524	1	1	100.00	Detected
Type 5 #28 5495	1	1	100.00	Detected
Type 5 #29 5497	1	1	100.00	Detected
Type 5 #30 5495	1	1	100.00	Detected
<b>Aggregate:</b>	<b>30</b>	<b>30</b>	<b>100.00</b>	<b>Pass</b>

**Equipment Configuration for Radar Type 6**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	17.00
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Burst Segment	Detections	Injection #	Detection Rate	Pass/Fail
Type 6 #1	1	1	100	Detected
Type 6 #2	1	1	100	Detected
Type 6 #3	1	1	100	Detected
Type 6 #4	1	1	100	Detected
Type 6 #5	1	1	100	Detected
Type 6 #6	1	1	100	Detected
Type 6 #7	1	1	100	Detected
Type 6 #8	1	1	100	Detected
Type 6 #9	1	1	100	Detected
Type 6 #10	1	1	100	Detected
Type 6 #11	1	1	100	Detected
Type 6 #12	1	1	100	Detected
Type 6 #13	1	1	100	Detected
Type 6 #14	1	1	100	Detected
Type 6 #15	1	1	100	Detected
Type 6 #16	1	1	100	Detected
Type 6 #17	1	1	100	Detected
Type 6 #18	1	1	100	Detected
Type 6 #19	1	1	100	Detected
Type 6 #20	1	1	100	Detected
Type 6 #21	1	1	100	Detected
Type 6 #22	1	1	100	Detected
Type 6 #23	1	1	100	Detected
Type 6 #24	1	1	100	Detected
Type 6 #25	1	1	100	Detected
Type 6 #26	1	1	100	Detected
Type 6 #27	1	1	100	Detected
Type 6 #28	1	1	100	Detected
Type 6 #29	1	1	100	Detected
Type 6 #30	1	1	100	Detected
<b>Aggregate:</b>	<b>30</b>	<b>30</b>	<b>100.00</b>	<b>Pass</b>

#### **9.4.10. Detection Bandwidth**

To determine the equipment Detection Bandwidth for each applicable operational mode a single burst of the short pulse radar Type 0 was produced at the appropriate power level. The EUT was set up as a standalone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.

To determine the actual receiver bandwidth a single radar burst is generated for a minimum of 10 trials and the response of the EUT noted. The EUT must detect at least 9 trials in order to meet the criteria.

Starting from the actual channel center frequency the radar frequency is increased in 5 MHz steps, injecting a Type 0 ten times, until the detection rate falls below 90%. At this time the span between this decrease in detection rate and the last 5 MHz step is checked with a 1 MHz step size. The highest frequency at which detection is greater than or equal to 90% is denoted as FH.

The radar frequency is decreased in 5 MHz steps, repeating the above test sequence, until the detection rate falls below 90%. The lowest frequency at which detection is greater than or equal to 90% is denoted as FL.

The U-NII Detection Bandwidth is calculated as follows:

U-NII Detection Bandwidth = FH - FL

The U-NII Detection Bandwidth must meet the U-NII Detection Bandwidth criterion specified. Otherwise, the UUT does not comply with DFS requirements. This is essential to ensure that the UUT is capable of detecting Radar Waveforms across the same frequency spectrum that contains the significant energy from the system. In the case that the U-NII Detection Bandwidth is greater than or equal to the 99% power bandwidth for the measured FH and FL, the test can be truncated and the U-NII Detection Bandwidth can be reported as the measured FH and FL.

**Equipment Configuration for Detection Bandwidth**

<b>Variant:</b>	802.11a	<b>Duty Cycle (%):</b>	0.10
<b>Data Rate:</b>	6 Mbit/s	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5500.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency	Injections	Detections	Result
5515 MHz	2	0	Not Detected
5511 MHz	2	0	Not Detected
5510 MHz	10	10	Detected
5505 MHz	10	10	Detected
5500 MHz	10	10	Detected
5495 MHz	10	10	Detected
5490 MHz	10	10	Detected
5489 MHz	2	0	Not Detected
5485 MHz	2	0	Not Detected
<b>F<sub>L</sub> = 5490 MHz</b>	<b>F<sub>H</sub> = 5510 MHz</b>	<b>F<sub>H</sub> - F<sub>L</sub> = 20 MHz</b>	<b>Pass</b>



**Equipment Configuration for Detection Bandwidth**

<b>Variant:</b>	802.11ac-80	<b>Duty Cycle (%):</b>	0.10
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5530.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency	Injections	Detections	Result
5575 MHz	2	0	Not Detected
5571 MHz	2	0	Not Detected
5570 MHz	10	10	Detected
5565 MHz	10	10	Detected
5560 MHz	10	10	Detected
5555 MHz	10	10	Detected
5550 MHz	10	10	Detected
5545 MHz	10	10	Detected
5540 MHz	10	10	Detected
5535 MHz	10	10	Detected
5530 MHz	10	10	Detected
5525 MHz	10	10	Detected
5520 MHz	10	10	Detected
5515 MHz	10	10	Detected
5510 MHz	10	10	Detected
5505 MHz	10	10	Detected
5500 MHz	10	10	Detected
5495 MHz	10	10	Detected
5490 MHz	10	10	Detected
5489 MHz	2	0	Not Detected
5485 MHz	2	0	Not Detected
<b>F<sub>L</sub> = 5490 MHz</b>	<b>F<sub>H</sub> = 5570 MHz</b>	<b>F<sub>H</sub> - F<sub>L</sub> = 80 MHz</b>	<b>Pass</b>

**Equipment Configuration for Detection Bandwidth**

<b>Variant:</b>	802.11n HT-40	<b>Duty Cycle (%):</b>	0.10
<b>Data Rate:</b>	MCS0	<b>Antenna Gain (dBi):</b>	7.50
<b>Modulation:</b>	OFDM	<b>Beam Forming Gain (Y):</b>	Not Applicable
<b>Channel Frequency:</b>	5510.00 MHz	<b>Tested By:</b>	JK
<b>Engineering Test Notes:</b>			

**Test Measurement Results**

Frequency	Injections	Detections	Result
5534 MHz	2	0	Not Detected
5530 MHz	3	1	Not Detected
5529 MHz	10	10	Detected
5528 MHz	10	10	Detected
5527 MHz	10	10	Detected
5526 MHz	10	10	Detected
5525 MHz	10	10	Detected
5520 MHz	10	10	Detected
5515 MHz	10	10	Detected
5510 MHz	10	10	Detected
5505 MHz	10	10	Detected
5500 MHz	10	10	Detected
5495 MHz	10	10	Detected
5490 MHz	10	10	Detected
5489 MHz	2	0	Not Detected
5485 MHz	2	0	Not Detected
<b>F<sub>L</sub> = 5490 MHz</b>	<b>F<sub>H</sub> = 5529 MHz</b>	<b>F<sub>H</sub> - F<sub>L</sub> = 39 MHz</b>	<b>Pass</b>

## 9.5. Radiated

Radiated Test Conditions for Radiated Spurious and Band-Edge Emissions			
<b>Standard:</b>	FCC CFR 47:15.407 ISED RSS-Gen	<b>Ambient Temp. (°C):</b>	20.0 - 24.5
<b>Test Heading:</b>	Radiated Spurious and Band-Edge Emissions	<b>Rel. Humidity (%):</b>	32 - 45
<b>Standard Section(s):</b>	15.407 (b), 15.205, 15.209 RSS-Gen Sect 8.9, 8.10	<b>Pressure (mBars):</b>	999 - 1001
<b>Reference Document(s):</b>	See Normative References		

### Test Procedure for Radiated Spurious and Band-Edge Emissions

Radiated emissions for restricted bands above 1 GHz are measured in the anechoic chamber at a 3-meter distance on every azimuth in both horizontal and vertical polarities. The emissions are recorded and maximized as a function of azimuth by rotation through 360° with a spectrum analyzer in peak hold mode. Depending on the frequency band spanned a notch filter was used to remove the fundamental frequency. The highest emissions relative to the limit are listed for each frequency spanned. Measurements on any restricted band frequency or frequencies above 1 GHz are based on the use of measurement instrumentation employing peak and average detectors. All measurements were performed using a resolution bandwidth of 1 MHz.

Test configuration and setup for Undesirable Measurement were per the Radiated Test Set-up specified in this document.

15.407 (b) Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- (1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.
- (5) The emission measurements shall be performed using a minimum resolution bandwidth of 1 MHz. A lower resolution bandwidth may be employed near the band edge, when necessary, provided the measured energy is integrated to show the total power over 1 MHz.
- (6) Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209. Further, any U-NII devices using an AC power line are required to comply also with the conducted limits set forth in §15.207.
- (7) The provisions of §15.205 apply to intentional radiators operating under this section.
- (8) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the upper and lower frequency band edges as the design of the equipment permits.

### Limits for Restricted Bands (15.205, 15.209)

**Peak emission: 74 dBuV/m**

**Average emission: 54 dBuV/m**

### Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Loss, and subtracting Amplifier Gain from the measured reading. All factors are included in the reported data.

$$FS = R + AF + CORR - FO$$

where:

**FS = Field Strength**

**R = Measured Spectrum analyzer Input Amplitude**

**AF = Antenna Factor**  
**CORR = Correction Factor = CL – AG + NFL**  
**CL = Cable Loss**  
**AG = Amplifier Gain**  
**FO = Distance Falloff Factor**  
**NFL = Notch Filter Loss**

**Example:**

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength (dBµV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \mu\text{V/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz equates to 68.23 dBµV/m

Conversion between dBmV/m (or dBmV) and mV/m (or mV) are as follows:  
 Level (dBmV/m) = 20 \* Log (level (mV/m))

40 dBmV/m = 100 mV/m  
 48 dBmV/m = 250 mV/m

**Restricted Bands of Operation (15.205)**

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

Frequency Band			
MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	Above 38.6
13.36-13.41			

(b) Except as provided in paragraphs (d) and (e) of this section, the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in §15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in §15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in §15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in §15.35 apply to these measurements.

(c) Except as provided in paragraphs (d) and (e) of this section, regardless of the field strength limits specified elsewhere in this subpart, the provisions of this section apply to emissions from any intentional radiator.

(d) The following devices are exempt from the requirements of this section:

(1) Swept frequency field disturbance sensors operating between 1.705 and 37 MHz provided their emissions only sweep through the bands listed in paragraph (a) of this section, the sweep is never stopped with the fundamental emission within the bands listed in paragraph (a) of this section, and the fundamental emission is outside of the bands listed in paragraph (a) of this section more than 99% of the time the device is actively transmitting, without compensation for duty cycle.

(2) Transmitters used to detect buried electronic markers at 101.4 kHz which are employed by telephone companies.

(3) Cable locating equipment operated pursuant to §15.213.

(4) Any equipment operated under the provisions of §15.253, 15.255, and 15.256 in the frequency band 75-85 GHz, or §15.257 of this part.

(5) Biomedical telemetry devices operating under the provisions of §15.242 of this part are not subject to the restricted band 608-614 MHz but are subject to compliance within the other restricted bands.

(6) Transmitters operating under the provisions of subparts D or F of this part.

(7) Devices operated pursuant to §15.225 are exempt from complying with this section for the 13.36-13.41 MHz band only.

(8) Devices operated in the 24.075-24.175 GHz band under §15.245 are exempt from complying with the requirements of this section for the 48.15-48.35 GHz and 72.225-72.525 GHz bands only, and shall not exceed the limits specified in §15.245(b).

(9) Devices operated in the 24.0-24.25 GHz band under §15.249 are exempt from complying with the requirements of this section for the 48.0-48.5 GHz and 72.0-72.75 GHz bands only, and shall not exceed the limits specified in §15.249(a).

(e) Harmonic emissions appearing in the restricted bands above 17.7 GHz from field disturbance sensors operating under the provisions of §15.245 shall not exceed the limits specified in §15.245(b).

### 9.5.1. TX Spurious & Restricted Band Emissions

#### 9.5.1.7. MikroTik hp\_omni\_A

##### Equipment Configuration for TX Spurious & Restricted Band Emissions

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11a
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	99
<b>Channel Frequency (MHz):</b>	5260.00	<b>Data Rate:</b>	6.00 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

##### Test Measurement Results

##### 1000.00 - 18000.00 MHz

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5263.97	70.80	2.90	-12.24	61.46	Fundamental	Vertical	100	0	--	--	

Test Notes: EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

**Equipment Configuration for TX Spurious & Restricted Band Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11a
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	99
<b>Channel Frequency (MHz):</b>	5300.00	<b>Data Rate:</b>	6.00 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**1000.00 - 18000.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5295.84	68.38	3.02	-12.01	59.39	Fundamental	Vertical	100	0	--	--	

Test Notes: EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

**Equipment Configuration for TX Spurious & Restricted Band Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11a
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	99
<b>Channel Frequency (MHz):</b>	5320.00	<b>Data Rate:</b>	6.00 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**1000.00 - 18000.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5324.00	65.06	2.96	-11.98	56.04	Fundamental	Vertical	100	0	--	--	

Test Notes: EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.



**Equipment Configuration for TX Spurious & Restricted Band Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11a
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	99
<b>Channel Frequency (MHz):</b>	5500.00	<b>Data Rate:</b>	6.00 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**1000.00 - 18000.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5506.31	61.89	3.07	-11.66	53.30	Fundamental	Vertical	151	0	--	--	

Test Notes: EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

**Equipment Configuration for TX Spurious & Restricted Band Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11a
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	99
<b>Channel Frequency (MHz):</b>	5580.00	<b>Data Rate:</b>	6.00 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**1000.00 - 18000.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5573.89	65.22	3.26	-11.57	56.91	Fundamental	Vertical	151	0	--	--	

Test Notes: EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

**Equipment Configuration for TX Spurious & Restricted Band Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11a
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	99
<b>Channel Frequency (MHz):</b>	5720.00	<b>Data Rate:</b>	6.00 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**1000.00 - 18000.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5715.29	59.27	3.16	-11.29	51.14	Fundamental	Vertical	200	0	--	--	

Test Notes: EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

## 9.5.2. Restricted Edge & Band-Edge Emissions

### 9.5.2.8. MikroTik hp\_omni\_A

#### RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5470 - 5725 MHz

MikroTik hp_omni_A		Restricted-Edge Freq	Limit 74.0dBµV/m	Limit 54.0dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
802.11a	5500.00	5460.00	60.04	47.18	23
802.11ac-80	5530.00	5460.00	66.40	49.71	20
802.11n HT-20	5500.00	5460.00	59.86	48.19	23
802.11n HT-40	5510.00	5460.00	60.66	47.97	23

MikroTik hp_omni_A		Band-Edge Freq	Limit 68.23dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	
802.11a	5500.00	5470.00	0.00	23
802.11ac-80	5530.00	5470.00	66.40	20
802.11n HT-20	5500.00	5470.00	0.00	23
802.11n HT-40	5510.00	5470.00	60.66	23

5250 - 5350 MHz

MikroTik hp_omni_A		Band-Edge Freq	Limit 74.0dBµV/m	Limit 54.0dBµV/m	Power Setting
Operational Mode	Operating Frequency (MHz)	MHz	dBµV/m	dBµV/m	
802.11a	5320.00	5350.00	60.48	48.03	23
802.11ac-80	5290.00	5350.00	68.54	53.50	19
802.11n HT-20	5320.00	5350.00	63.66	48.70	23
802.11n HT-40	5310.00	5350.00	61.75	49.52	23

Click on the links to view the data.

**Equipment Configuration for Restricted Lower Band-Edge Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11a
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	99
<b>Channel Frequency (MHz):</b>	5500.00	<b>Data Rate:</b>	6.00 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**5350.00 - 5500.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5460.00	9.59	3.06	34.53	47.18	Max Avg	Vertical	161	0	54.0	-6.8	Pass
#3	5465.79	22.42	3.08	34.54	60.04	Max Peak	Vertical	161	0	68.2	-8.2	Pass
#2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
#4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector.

**Equipment Configuration for Restricted Lower Band-Edge Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11ac-80
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	72
<b>Channel Frequency (MHz):</b>	5530.00	<b>Data Rate:</b>	29.30 MBit/s
<b>Power Setting:</b>	20	<b>Tested By:</b>	JMH

**Test Measurement Results**

**5350.00 - 5530.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5460.00	12.12	3.06	34.53	49.71	Max Avg	Vertical	161	0	54.0	-4.3	Pass
#3	5470.00	28.79	3.06	34.55	66.40	Max Peak	Vertical	161	0	68.2	-1.8	Pass
#2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
#4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 1.4 dB added to average measurement.

**Equipment Configuration for Restricted Lower Band-Edge Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11n HT-20
<b>Antenna Gain (dBi):</b>	Not Applicable	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	93
<b>Channel Frequency (MHz):</b>	5500.00	<b>Data Rate:</b>	6.50 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**5350.00 - 5500.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5367.72	10.61	3.09	34.49	48.19	Max Avg	Vertical	161	0	54.0	-5.8	Pass
#3	5469.40	22.25	3.06	34.55	59.86	Max Peak	Vertical	161	0	68.2	-8.4	Pass
#2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
#4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 0.35 dB added to average measurement.

**Equipment Configuration for Restricted Lower Band-Edge Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11n HT-40
<b>Antenna Gain (dBi):</b>	7.50	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	87
<b>Channel Frequency (MHz):</b>	5510.00	<b>Data Rate:</b>	13.50 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**5350.00 - 5510.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5460.00	10.38	3.06	34.53	47.97	Max Avg	Vertical	161	0	54.0	-6.0	Pass
#3	5470.00	23.05	3.06	34.55	60.66	Max Peak	Vertical	161	0	68.2	-7.6	Pass
#2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
#4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 0.6 dB added to average measurement.



**Equipment Configuration for Restricted Upper Band-Edge Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11a
<b>Antenna Gain (dBi):</b>	Not Applicable	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	99
<b>Channel Frequency (MHz):</b>	5320.00	<b>Data Rate:</b>	6.00 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**5300.00 - 5460.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#2	5363.15	22.94	3.06	34.48	60.48	Max Peak	Vertical	161	0	74.0	-13.5	Pass
#3	5364.43	10.49	3.06	34.48	48.03	Max Avg	Vertical	161	0	54.0	-6.0	Pass
#1	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector.

**Equipment Configuration for Restricted Upper Band-Edge Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11ac-80
<b>Antenna Gain (dBi):</b>	Not Applicable	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	72
<b>Channel Frequency (MHz):</b>	5290.00	<b>Data Rate:</b>	29.30 MBit/s
<b>Power Setting:</b>	19	<b>Tested By:</b>	JMH

**Test Measurement Results**

**5280.00 - 5460.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5350.00	15.98	3.06	34.46	53.50	Max Avg	Vertical	161	0	54.0	-0.5	Pass
#2	5350.00	31.02	3.06	34.46	68.54	Max Peak	Vertical	161	0	74.0	-5.5	Pass
#3	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 1.4 dB added to average measurement.

**Equipment Configuration for Restricted Upper Band-Edge Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11n HT-20
<b>Antenna Gain (dBi):</b>	Not Applicable	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	93
<b>Channel Frequency (MHz):</b>	5320.00	<b>Data Rate:</b>	6.50 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

**5300.00 - 5460.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5350.00	26.14	3.06	34.46	63.66	Max Peak	Vertical	161	0	74.0	-10.5	Pass
#3	5363.15	11.16	3.06	34.48	48.70	Max Avg	Vertical	161	0	54.0	-5.3	Pass
#2	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 0.3 dB added to average measurement.

**Equipment Configuration for Restricted Upper Band-Edge Emissions**

<b>Antenna:</b>	MikroTik hp_omni_A	<b>Variant:</b>	802.11n HT-40
<b>Antenna Gain (dBi):</b>	Not Applicable	<b>Modulation:</b>	OFDM
<b>Beam Forming Gain (Y):</b>	Not Applicable	<b>Duty Cycle (%):</b>	87
<b>Channel Frequency (MHz):</b>	5310.00	<b>Data Rate:</b>	13.50 MBit/s
<b>Power Setting:</b>	23	<b>Tested By:</b>	JMH

**Test Measurement Results**

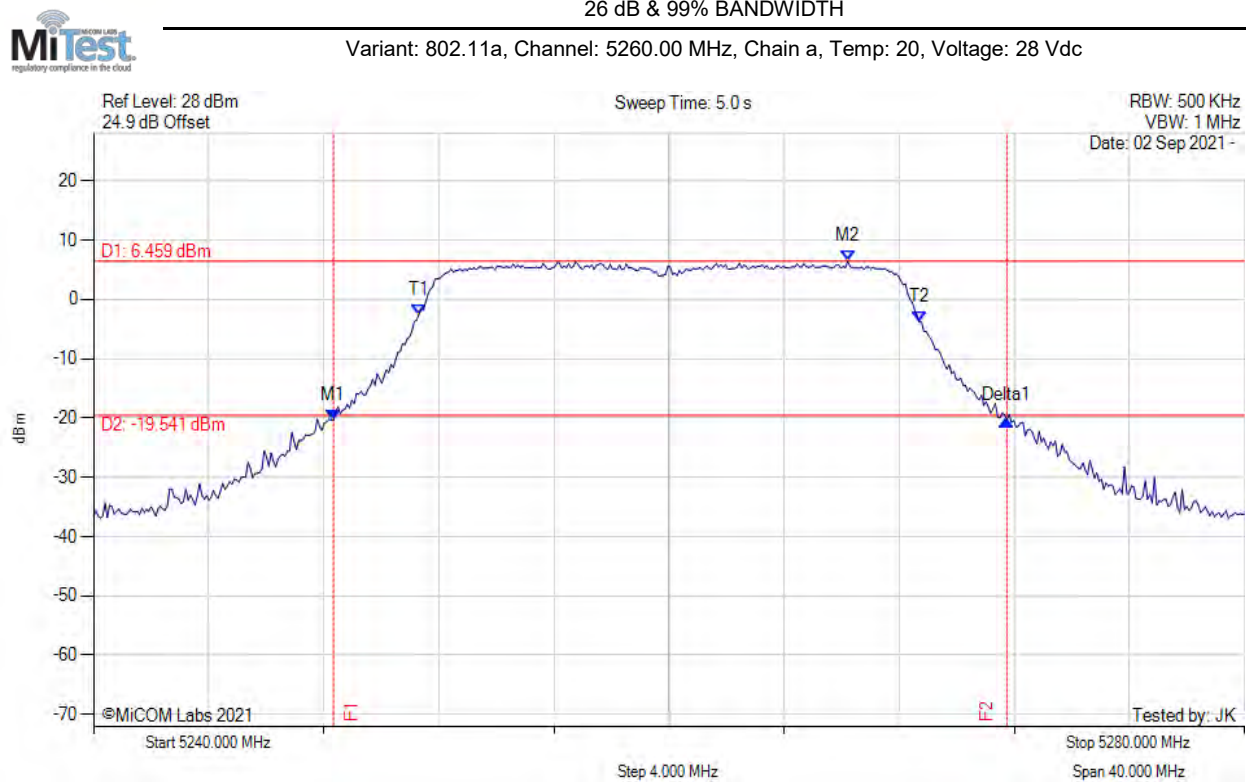
**5300.00 - 5460.00 MHz**

Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
#1	5350.00	12.00	3.06	34.46	49.52	Max Avg	Vertical	161	0	54.0	-4.5	Pass
#3	5353.53	24.23	3.05	34.47	61.75	Max Peak	Vertical	161	0	74.0	-12.3	Pass
#2	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 0.6 dB added to average measurement.

## **A. APPENDIX - GRAPHICAL IMAGES**

### A.1. 26 dB & 99% Bandwidth



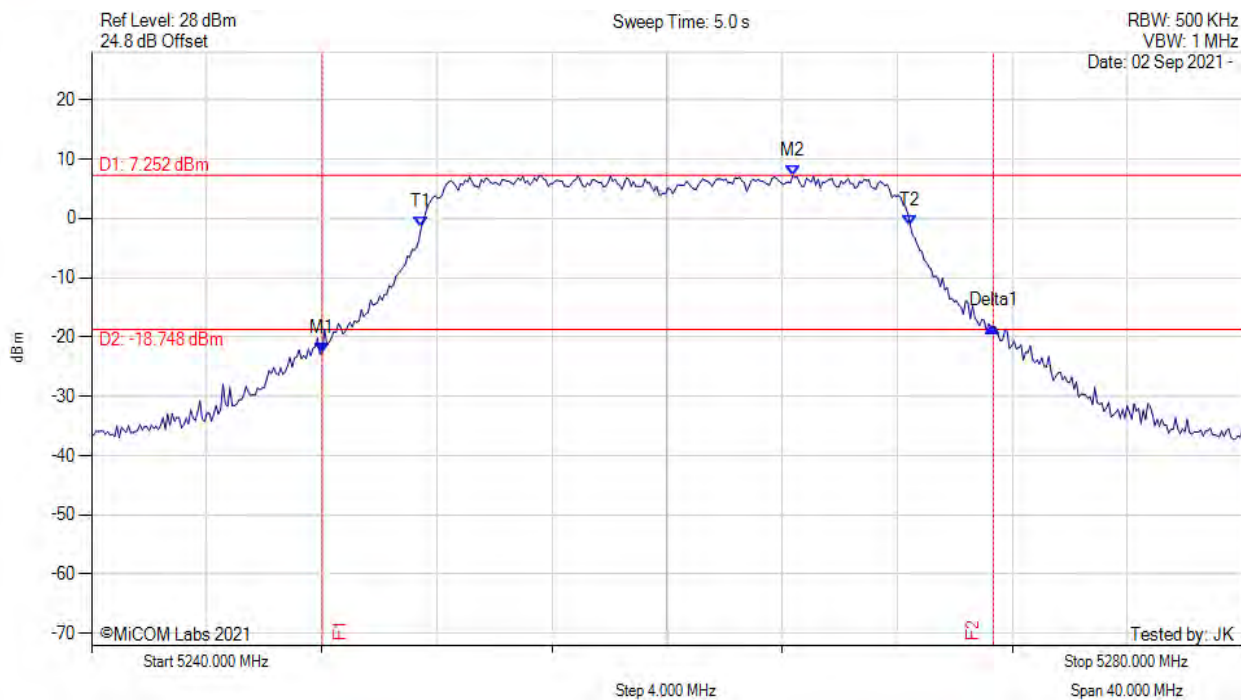
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.337 MHz : -20.413 dBm M2 : 5266.212 MHz : 6.459 dBm Delta1 : 23.407 MHz : 0.075 dB T1 : 5251.303 MHz : -2.626 dBm T2 : 5268.697 MHz : -3.798 dBm OBW : 17.395 MHz	Measured 26 dB Bandwidth: 23.407 MHz Measured 99% Bandwidth: 17.395 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



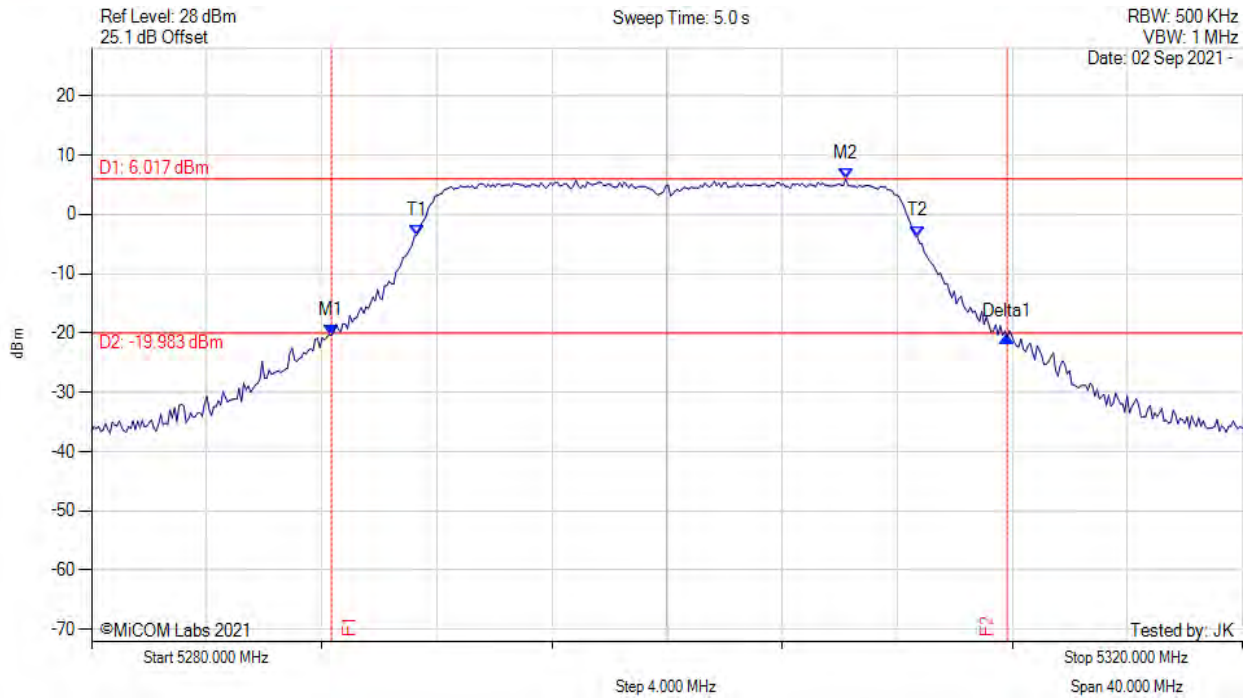
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.016 MHz : -22.663 dBm M2 : 5264.369 MHz : 7.252 dBm Delta1 : 23.327 MHz : 4.474 dB T1 : 5251.463 MHz : -1.487 dBm T2 : 5268.457 MHz : -1.251 dBm OBW : 16.994 MHz	Measured 26 dB Bandwidth: 23.327 MHz Measured 99% Bandwidth: 16.994 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.337 MHz : -20.387 dBm M2 : 5306.212 MHz : 6.017 dBm Delta1 : 23.487 MHz : -0.317 dB T1 : 5291.303 MHz : -3.521 dBm T2 : 5308.697 MHz : -3.690 dBm OBW : 17.395 MHz	Measured 26 dB Bandwidth: 23.487 MHz Measured 99% Bandwidth: 17.395 MHz

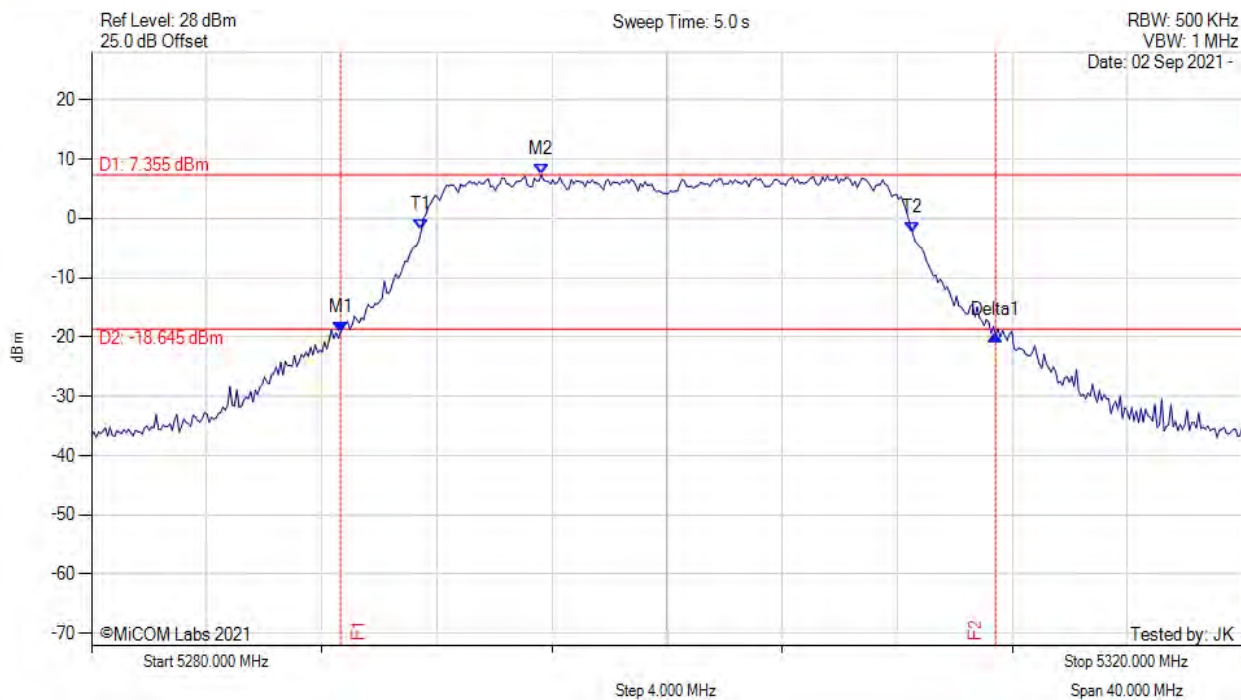
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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



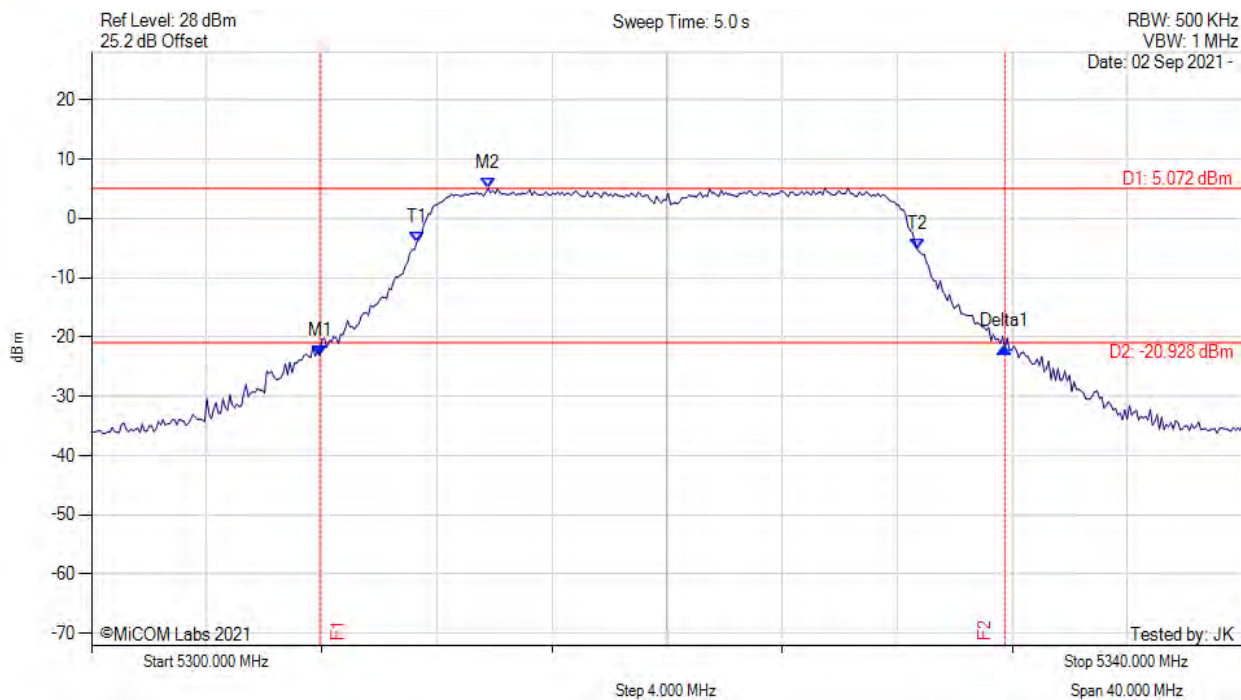
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.657 MHz : -19.146 dBm M2 : 5295.631 MHz : 7.355 dBm Delta1 : 22.766 MHz : -0.482 dB T1 : 5291.463 MHz : -1.979 dBm T2 : 5308.537 MHz : -2.449 dBm OBW : 17.074 MHz	Measured 26 dB Bandwidth: 22.766 MHz Measured 99% Bandwidth: 17.074 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



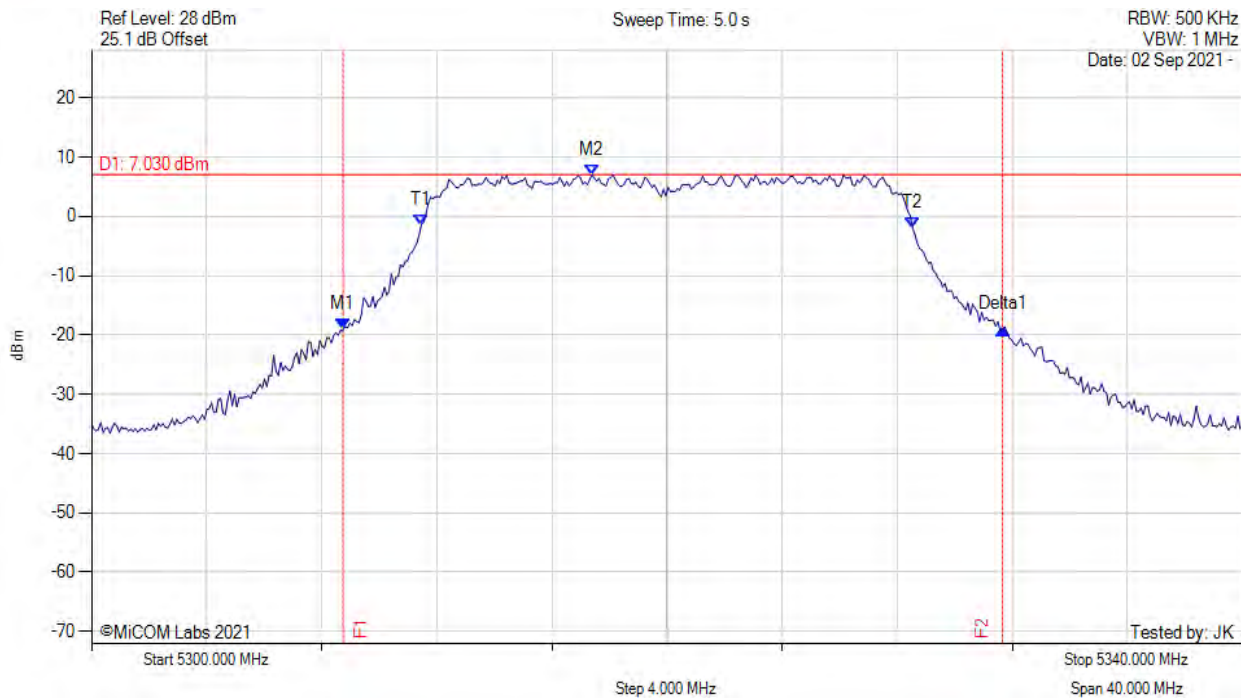
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5307.936 MHz : -23.124 dBm M2 : 5313.788 MHz : 5.072 dBm Delta1 : 23.808 MHz : 1.432 dB T1 : 5311.303 MHz : -4.040 dBm T2 : 5328.697 MHz : -5.233 dBm OBW : 17.395 MHz	Measured 26 dB Bandwidth: 23.808 MHz Measured 99% Bandwidth: 17.395 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



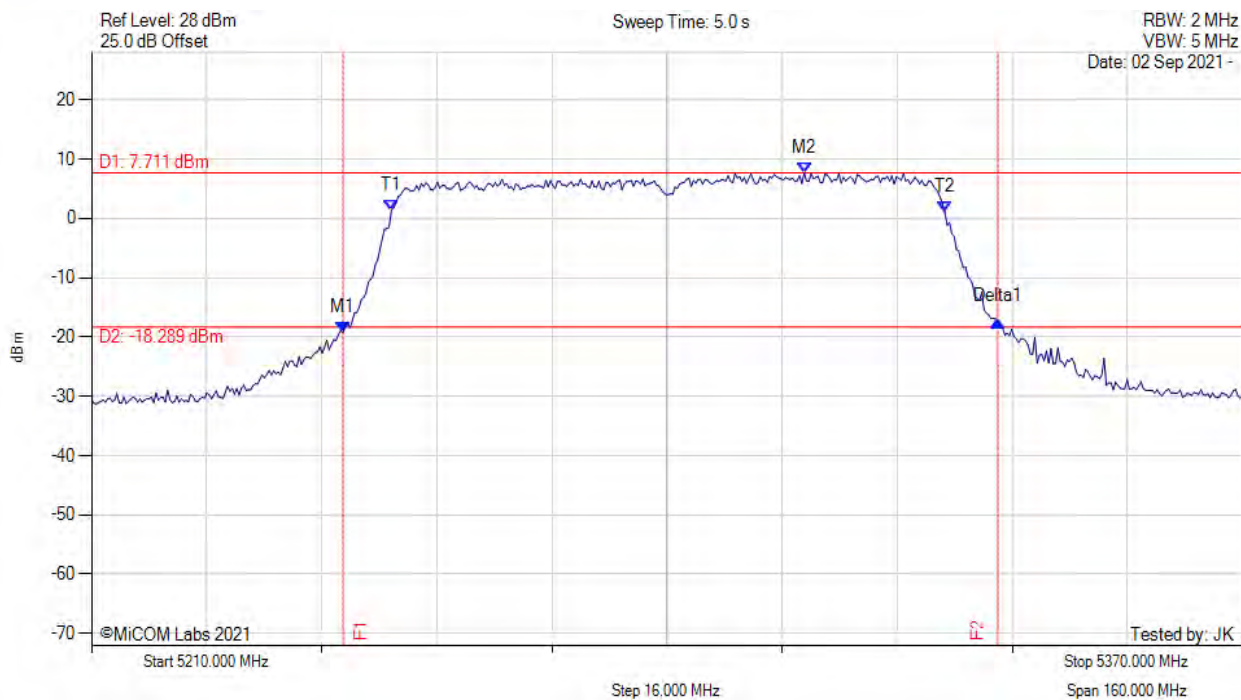
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.737 MHz : -19.087 dBm M2 : 5317.395 MHz : 7.030 dBm Delta1 : 22.926 MHz : 0.181 dB T1 : 5311.463 MHz : -1.392 dBm T2 : 5328.537 MHz : -1.965 dBm OBW : 17.074 MHz	Measured 26 dB Bandwidth: 22.926 MHz Measured 99% Bandwidth: 17.074 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



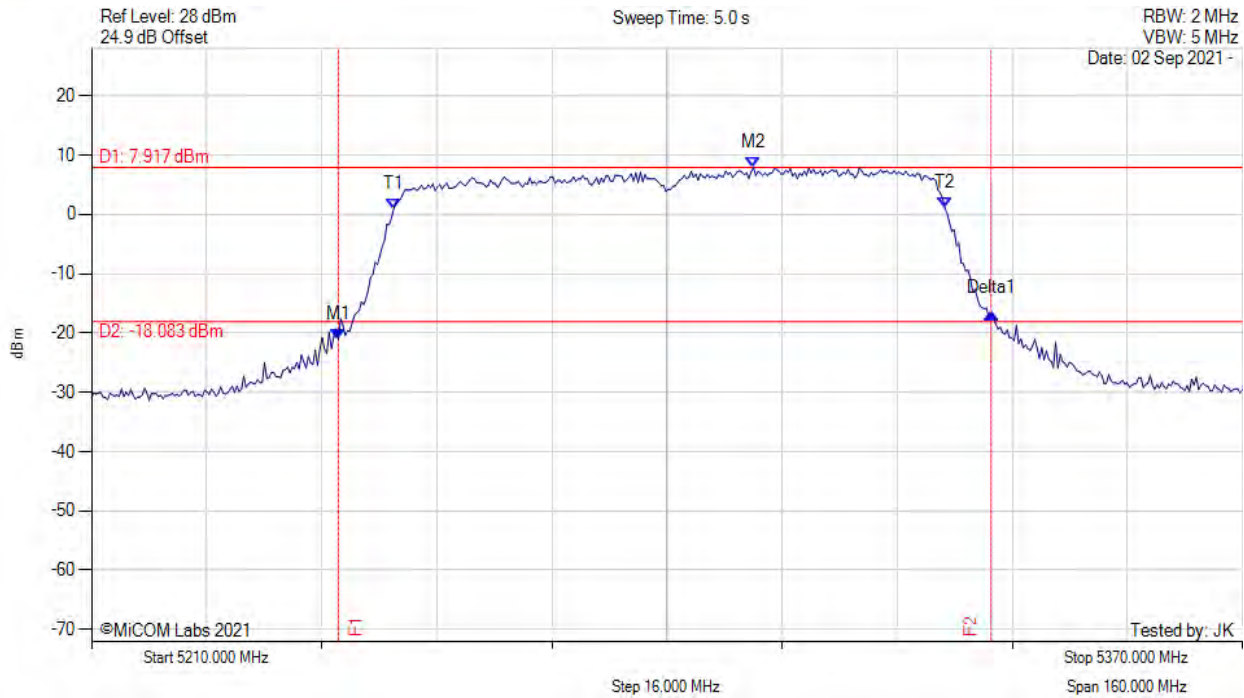
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5244.950 MHz : -19.232 dBm M2 : 5309.078 MHz : 7.711 dBm Delta1 : 91.062 MHz : 1.891 dB T1 : 5251.683 MHz : 1.329 dBm T2 : 5328.637 MHz : 0.998 dBm OBW : 76.954 MHz	Measured 26 dB Bandwidth: 91.062 MHz Measured 99% Bandwidth: 76.954 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



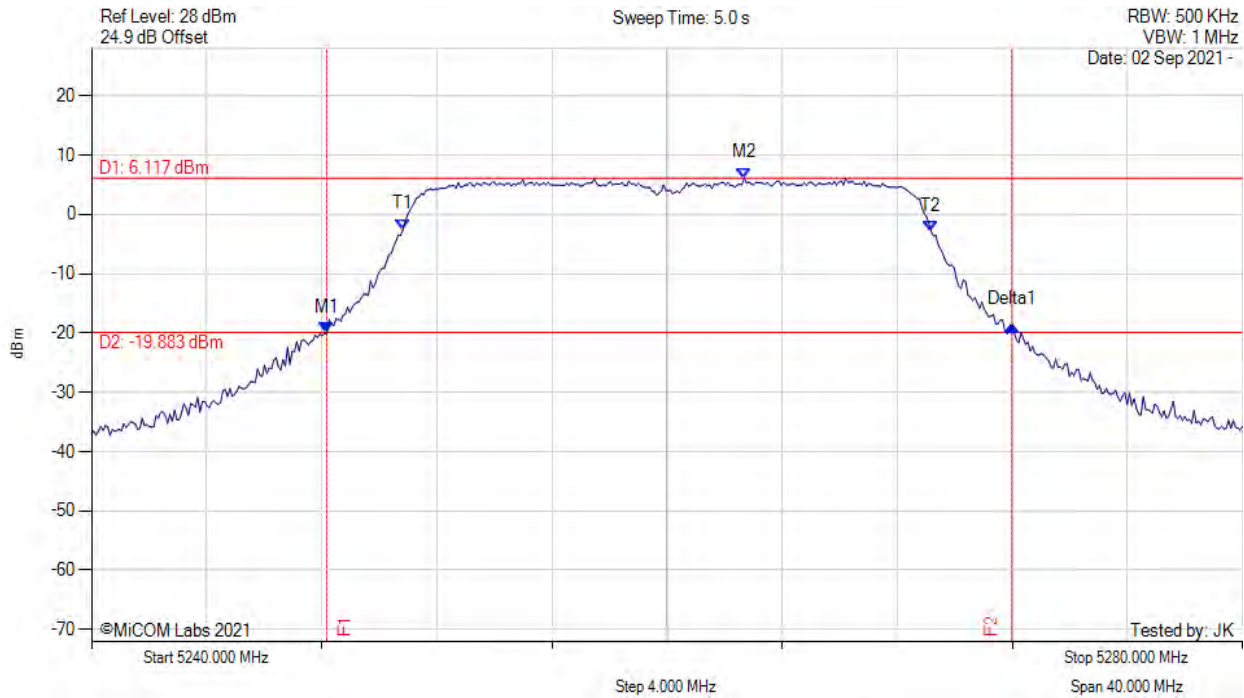
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5244.309 MHz : -21.078 dBm M2 : 5302.024 MHz : 7.917 dBm Delta1 : 90.741 MHz : 4.350 dB T1 : 5252.004 MHz : 0.931 dBm T2 : 5328.637 MHz : 0.998 dBm OBW : 76.633 MHz	Measured 26 dB Bandwidth: 90.741 MHz Measured 99% Bandwidth: 76.633 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



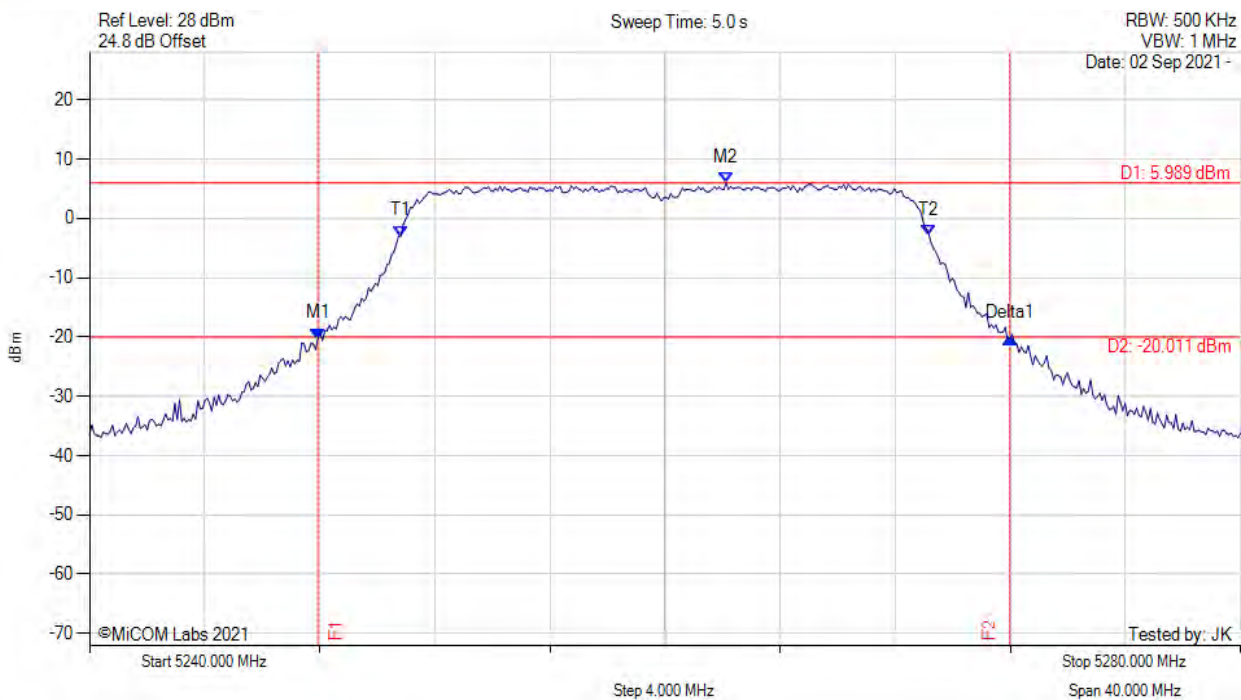
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.176 MHz : -20.013 dBm M2 : 5262.685 MHz : 6.117 dBm Delta1 : 23.808 MHz : 1.361 dB T1 : 5250.822 MHz : -2.533 dBm T2 : 5269.178 MHz : -2.858 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 23.808 MHz Measured 99% Bandwidth: 18.357 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



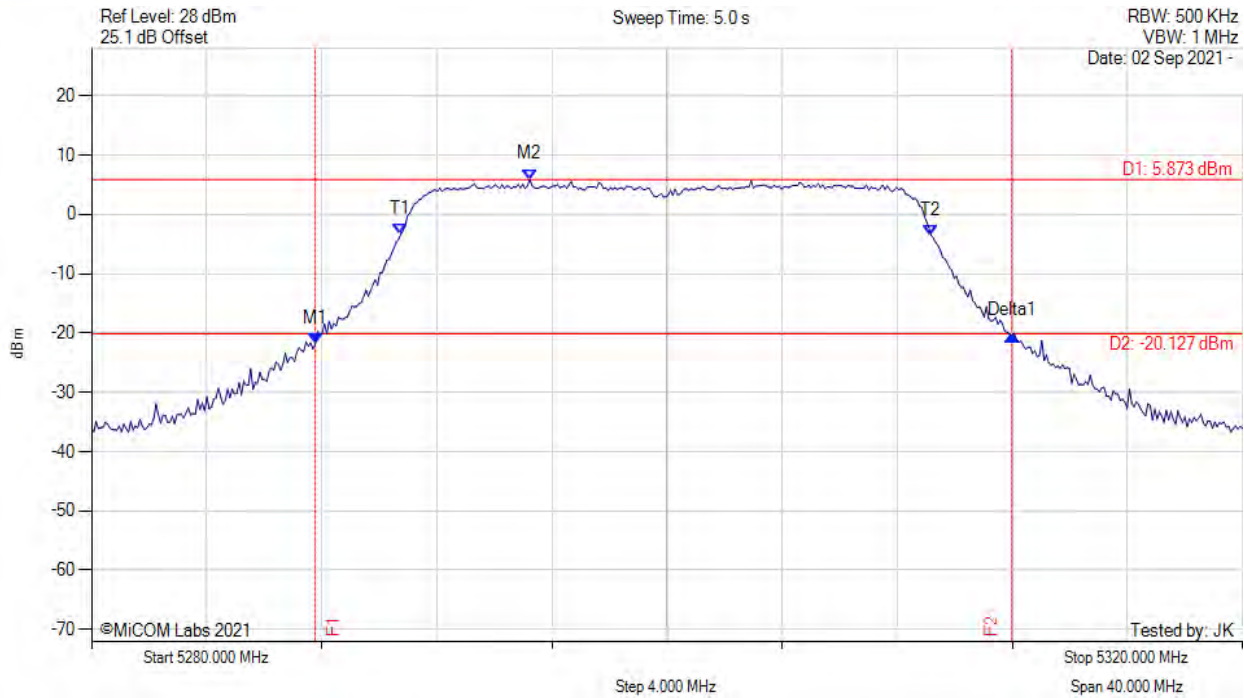
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.936 MHz : -20.287 dBm M2 : 5262.124 MHz : 5.989 dBm Delta1 : 24.048 MHz : 0.132 dB T1 : 5250.822 MHz : -3.004 dBm T2 : 5269.178 MHz : -2.899 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.357 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5287.776 MHz : -21.835 dBm M2 : 5295.230 MHz : 5.873 dBm Delta1 : 24.208 MHz : 1.507 dB T1 : 5290.741 MHz : -3.395 dBm T2 : 5309.178 MHz : -3.549 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 24.208 MHz Measured 99% Bandwidth: 18.437 MHz

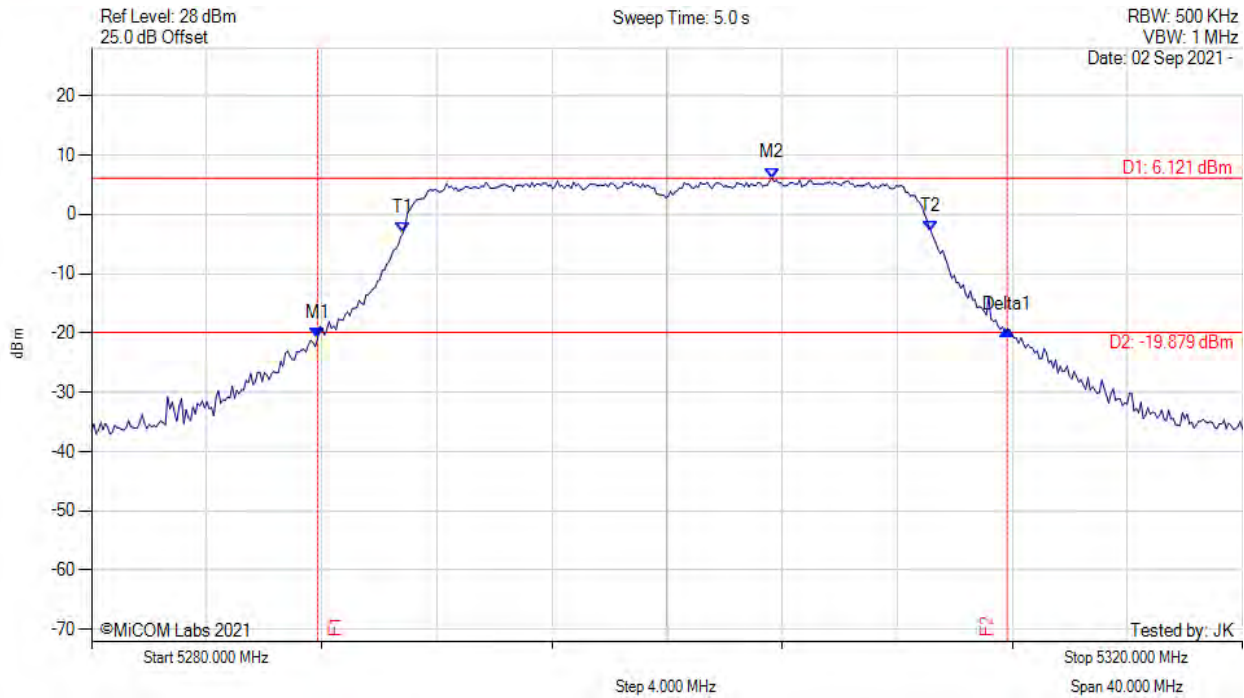
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



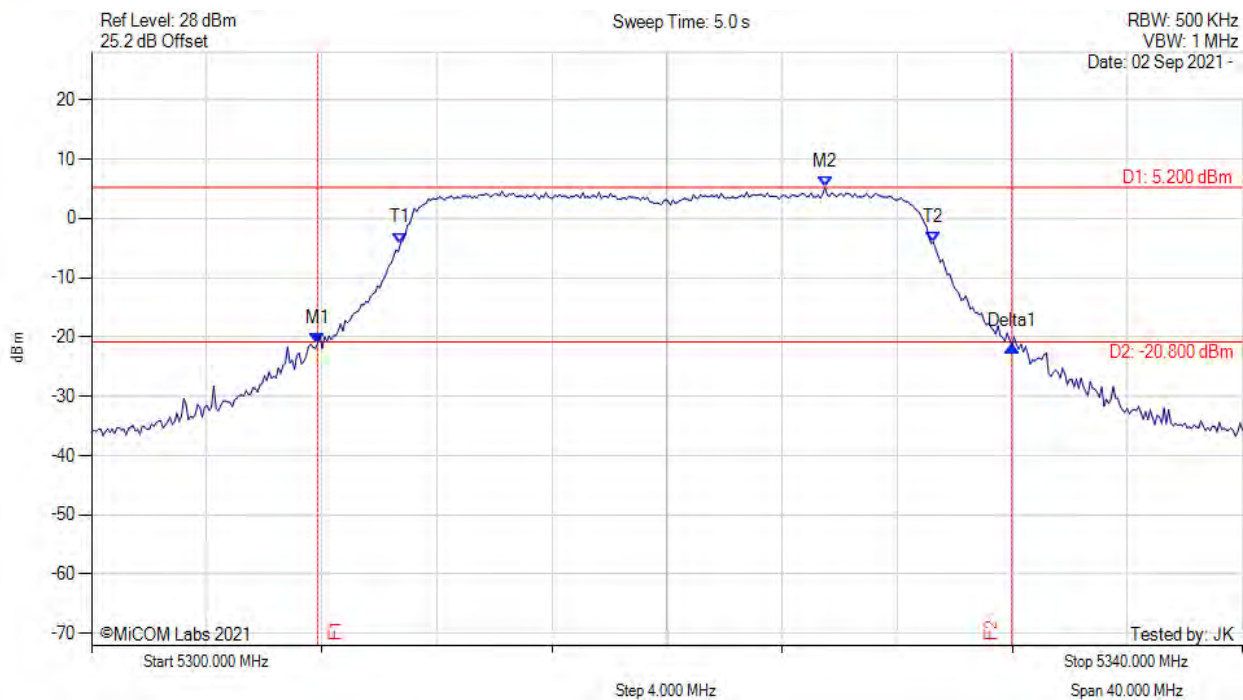
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5287.856 MHz : -20.936 dBm M2 : 5303.647 MHz : 6.121 dBm Delta1 : 23.968 MHz : 1.515 dB T1 : 5290.822 MHz : -3.141 dBm T2 : 5309.178 MHz : -2.895 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 23.968 MHz Measured 99% Bandwidth: 18.357 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



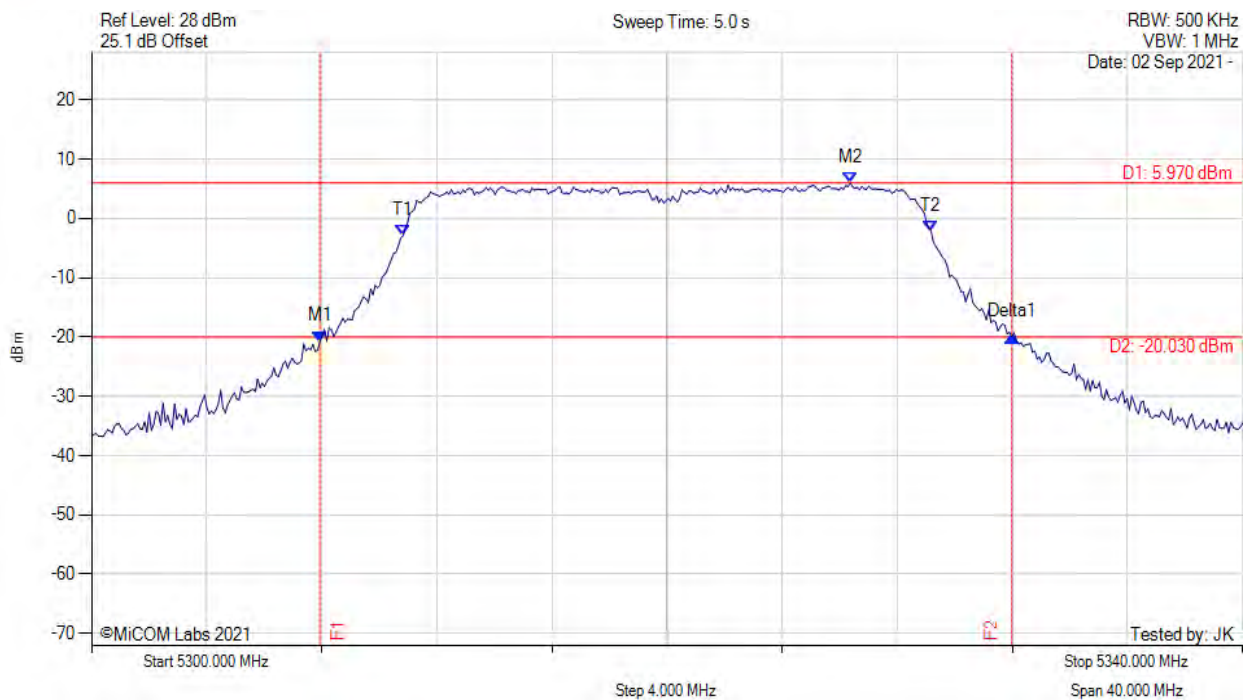
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5307.856 MHz : -21.117 dBm M2 : 5325.491 MHz : 5.200 dBm Delta1 : 24.128 MHz : -0.421 dB T1 : 5310.741 MHz : -4.172 dBm T2 : 5329.259 MHz : -4.001 dBm OBW : 18.517 MHz	Measured 26 dB Bandwidth: 24.128 MHz Measured 99% Bandwidth: 18.517 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



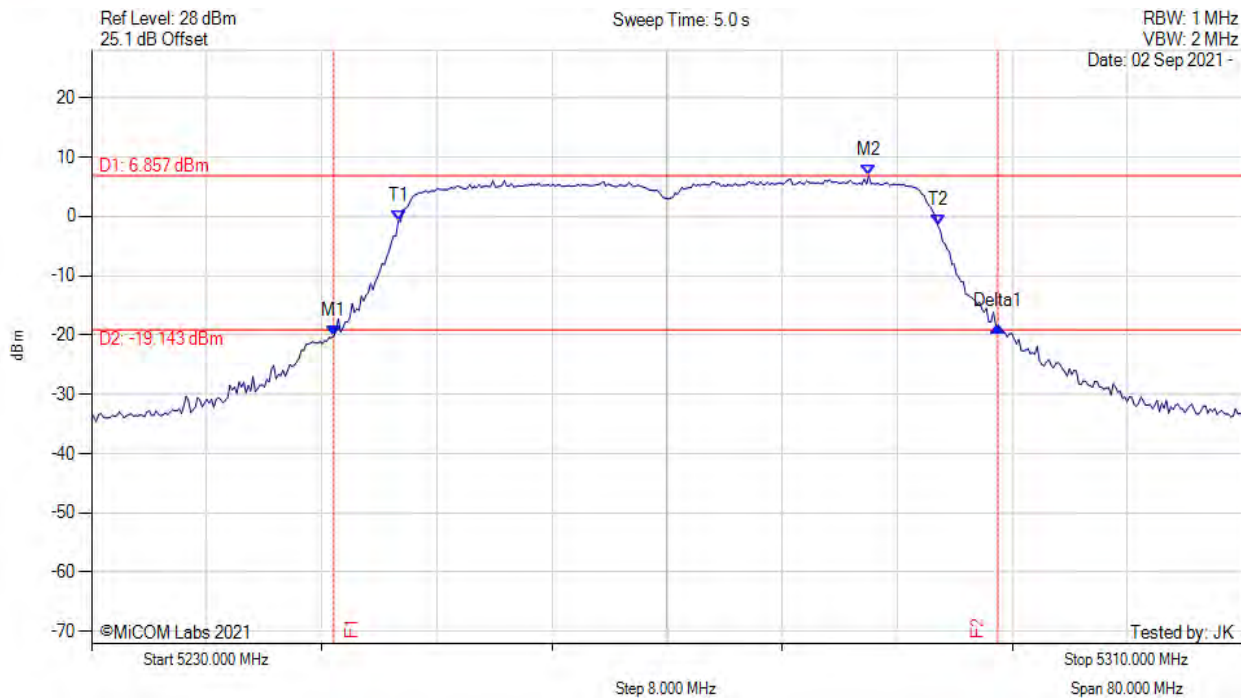
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5307.936 MHz : -20.743 dBm M2 : 5326.373 MHz : 5.970 dBm Delta1 : 24.048 MHz : 0.771 dB T1 : 5310.822 MHz : -2.943 dBm T2 : 5329.178 MHz : -2.097 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.357 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



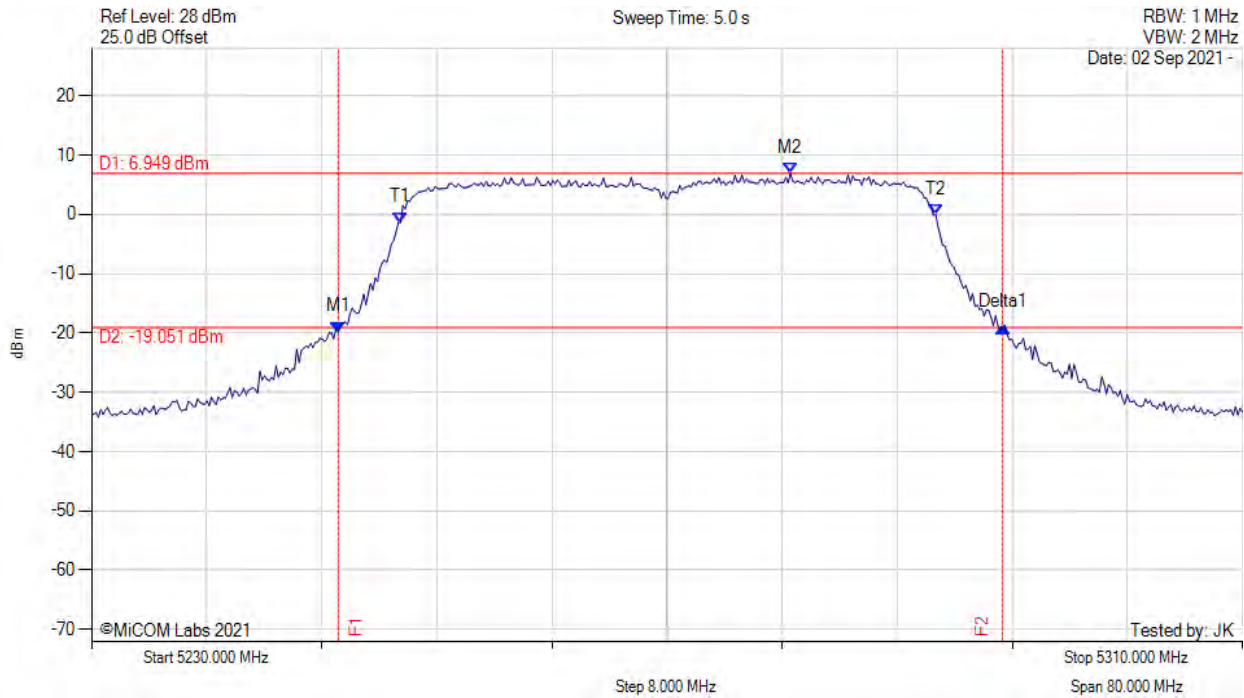
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5246.834 MHz : -20.184 dBm M2 : 5284.028 MHz : 6.857 dBm Delta1 : 46.172 MHz : 1.623 dB T1 : 5251.323 MHz : -0.745 dBm T2 : 5288.838 MHz : -1.571 dBm OBW : 37.515 MHz	Measured 26 dB Bandwidth: 46.172 MHz Measured 99% Bandwidth: 37.515 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



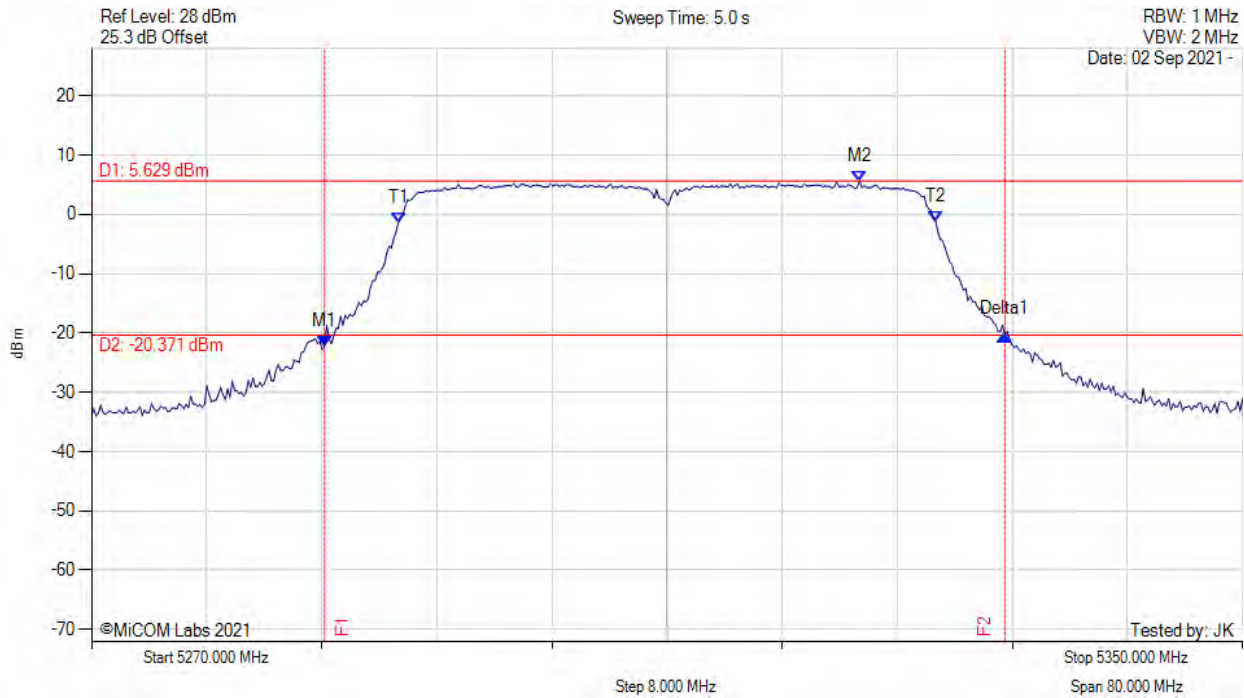
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.154 MHz : -19.834 dBm M2 : 5278.577 MHz : 6.949 dBm Delta1 : 46.172 MHz : 0.805 dB T1 : 5251.483 MHz : -1.347 dBm T2 : 5288.677 MHz : -0.043 dBm OBW : 37.194 MHz	Measured 26 dB Bandwidth: 46.172 MHz Measured 99% Bandwidth: 37.194 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



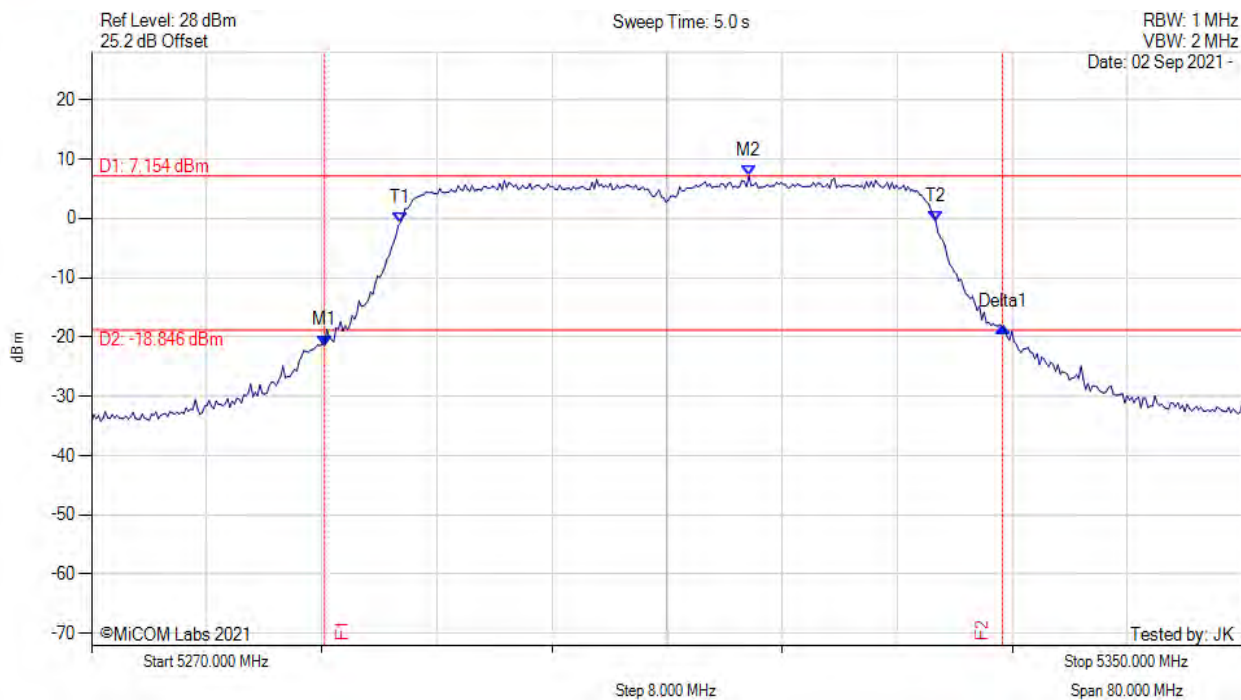
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5286.192 MHz : -22.207 dBm M2 : 5323.387 MHz : 5.629 dBm Delta1 : 47.295 MHz : 1.926 dB T1 : 5291.323 MHz : -1.469 dBm T2 : 5328.677 MHz : -1.209 dBm OBW : 37.355 MHz	Measured 26 dB Bandwidth: 47.295 MHz Measured 99% Bandwidth: 37.355 MHz

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26 dB & 99% BANDWIDTH



Variante: 802.11n HT-40, Channel: 5310.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



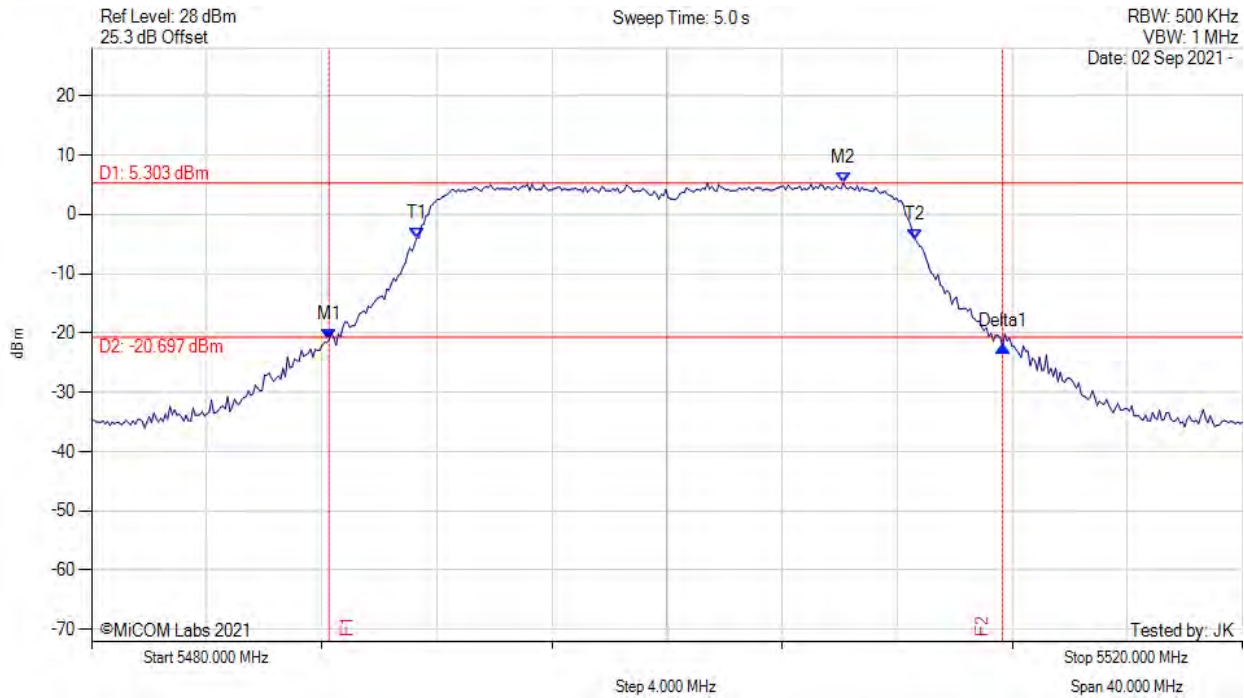
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5286.192 MHz : -21.467 dBm M2 : 5315.691 MHz : 7.154 dBm Delta1 : 47.134 MHz : 3.156 dB T1 : 5291.483 MHz : -0.688 dBm T2 : 5328.677 MHz : -0.546 dBm OBW : 37.194 MHz	Measured 26 dB Bandwidth: 47.134 MHz Measured 99% Bandwidth: 37.194 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.257 MHz : -21.129 dBm M2 : 5506.132 MHz : 5.303 dBm Delta1 : 23.407 MHz : -1.092 dB T1 : 5491.303 MHz : -3.991 dBm T2 : 5508.617 MHz : -4.202 dBm OBW : 17.315 MHz	Measured 26 dB Bandwidth: 23.407 MHz Measured 99% Bandwidth: 17.315 MHz

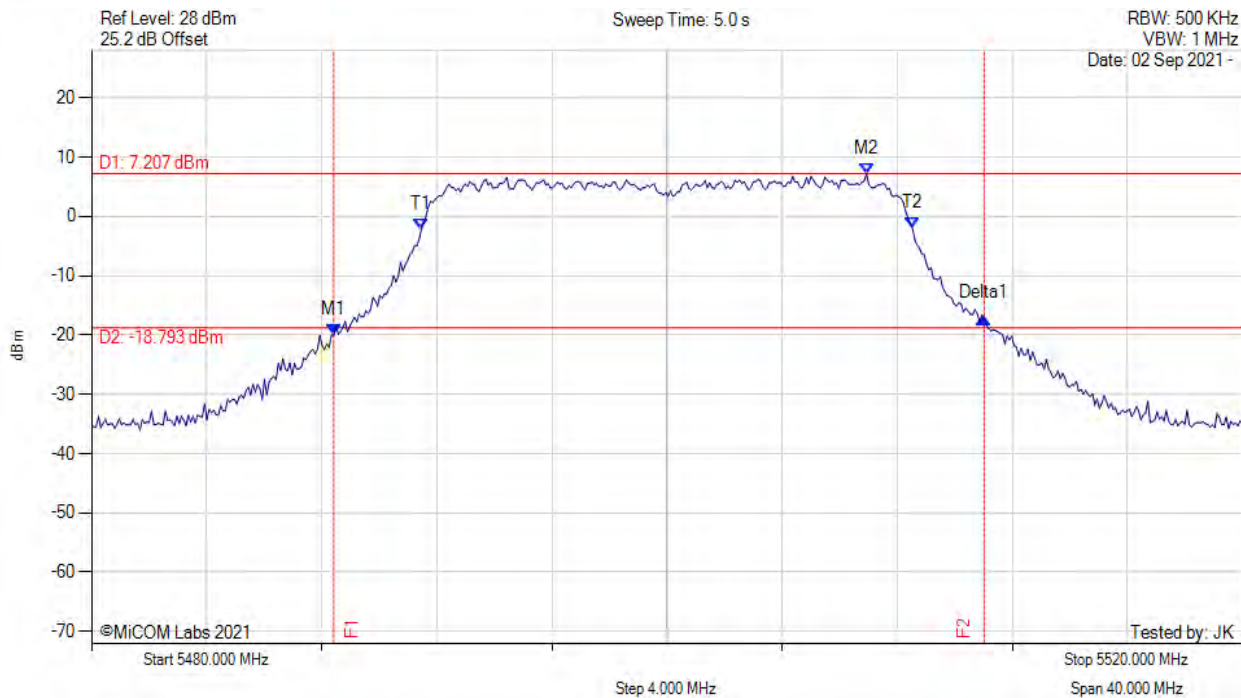
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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



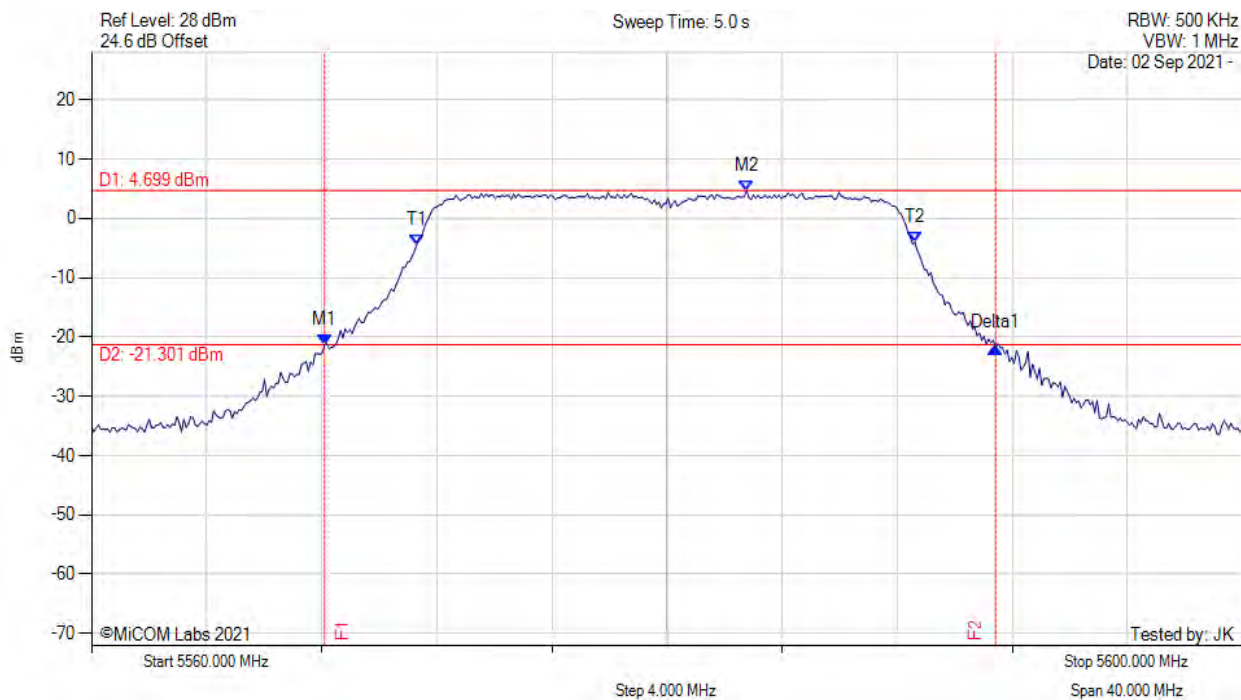
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.417 MHz : -20.011 dBm M2 : 5506.934 MHz : 7.207 dBm Delta1 : 22.605 MHz : 2.925 dB T1 : 5491.463 MHz : -2.193 dBm T2 : 5508.537 MHz : -2.022 dBm OBW : 17.074 MHz	Measured 26 dB Bandwidth: 22.605 MHz Measured 99% Bandwidth: 17.074 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



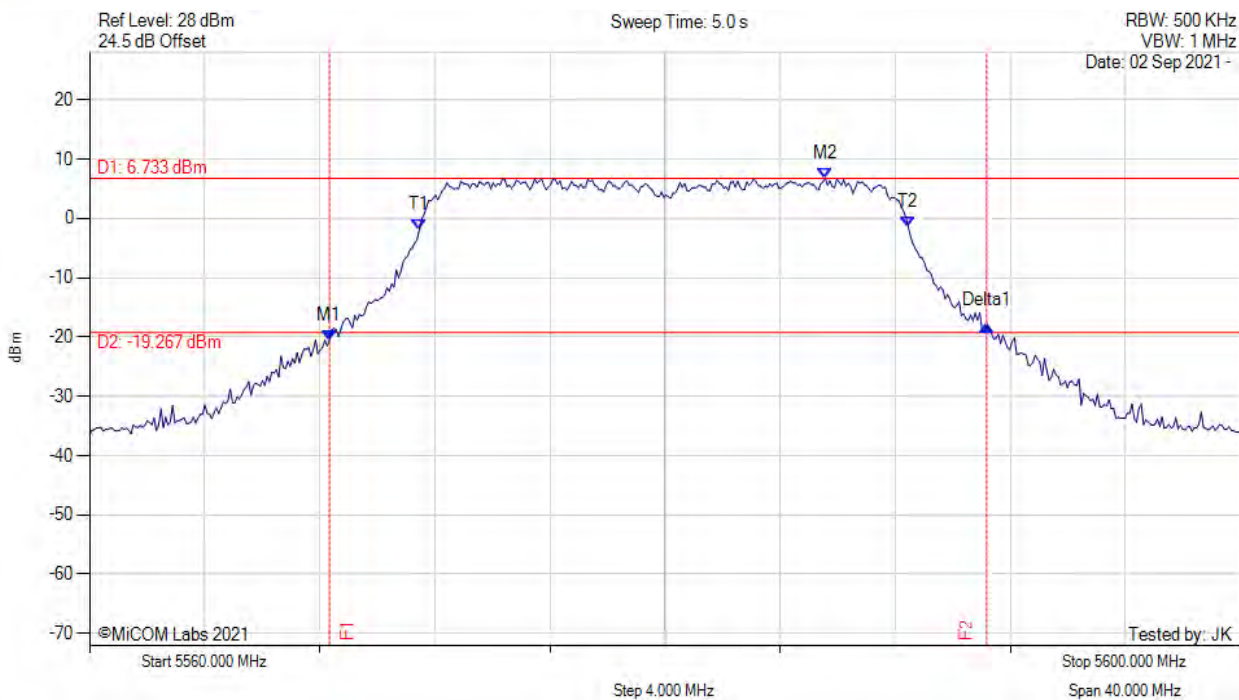
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.096 MHz : -21.361 dBm M2 : 5582.766 MHz : 4.699 dBm Delta1 : 23.327 MHz : -0.482 dB T1 : 5571.303 MHz : -4.428 dBm T2 : 5588.617 MHz : -4.009 dBm OBW : 17.315 MHz	Measured 26 dB Bandwidth: 23.327 MHz Measured 99% Bandwidth: 17.315 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



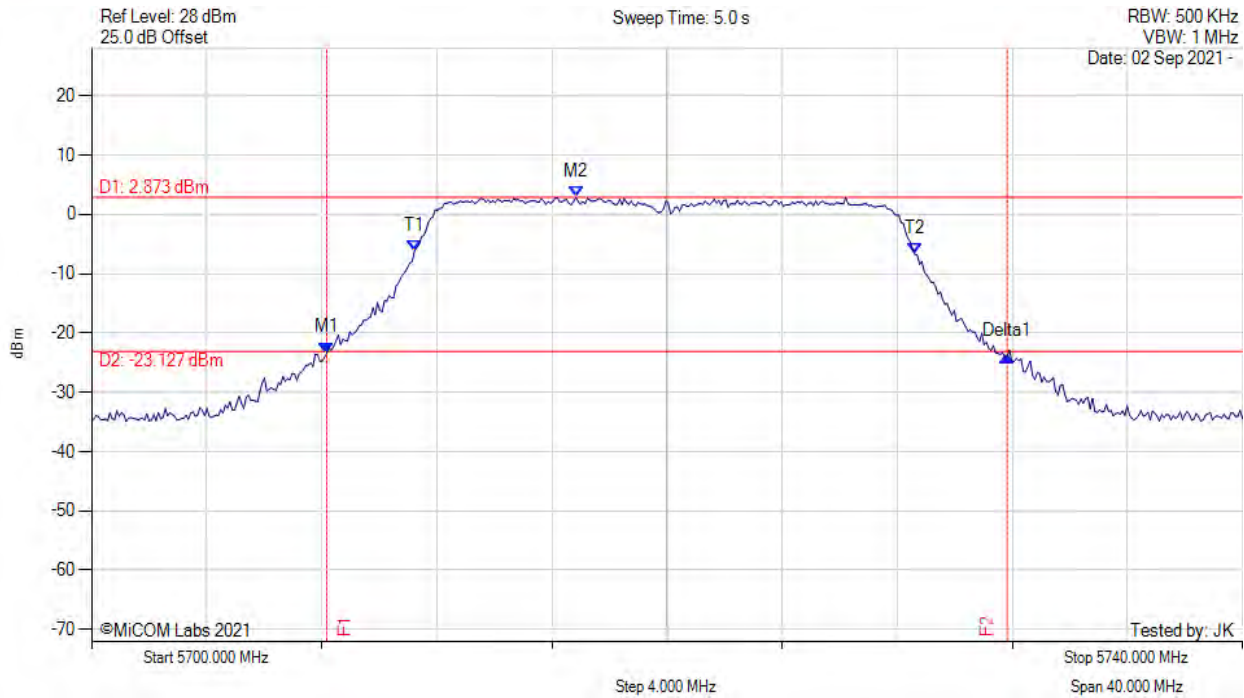
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.337 MHz : -20.621 dBm M2 : 5585.571 MHz : 6.733 dBm Delta1 : 22.846 MHz : 2.477 dB T1 : 5571.463 MHz : -1.900 dBm T2 : 5588.457 MHz : -1.502 dBm OBW : 16.994 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 16.994 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



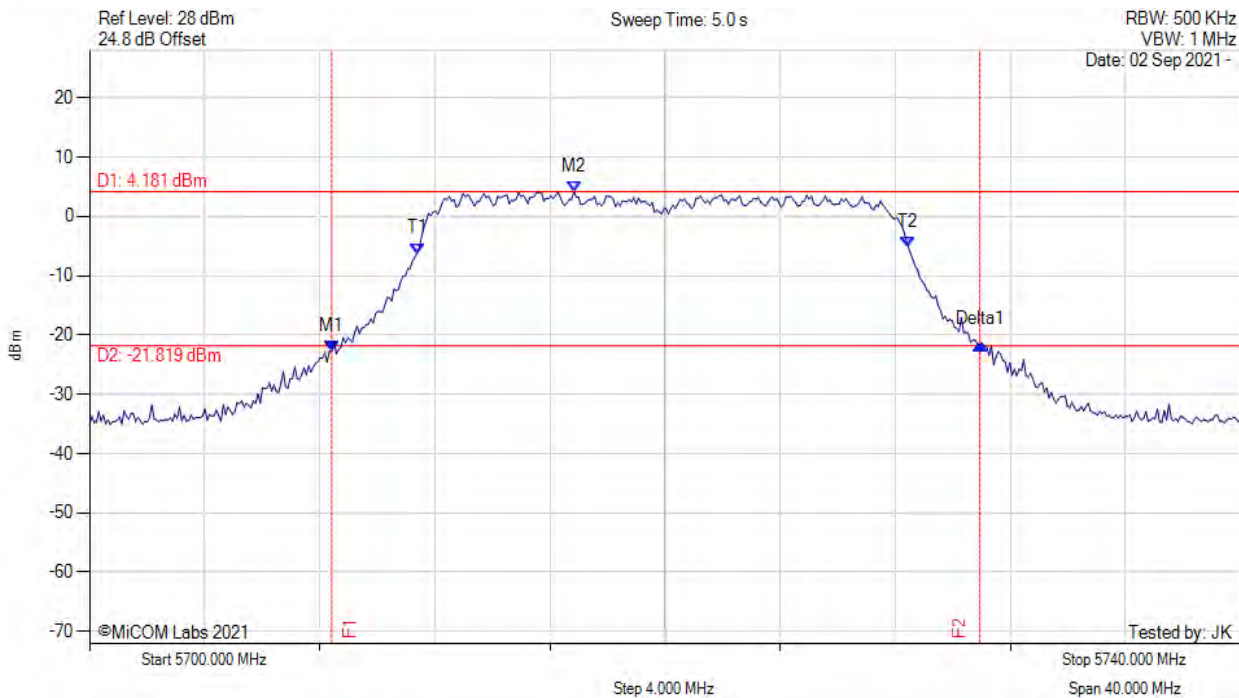
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.176 MHz : -23.320 dBm M2 : 5716.834 MHz : 2.873 dBm Delta1 : 23.647 MHz : -0.594 dB T1 : 5711.222 MHz : -6.185 dBm T2 : 5728.617 MHz : -6.718 dBm OBW : 17.395 MHz	Measured 26 dB Bandwidth: 23.647 MHz Measured 99% Bandwidth: 17.395 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11a, Channel: 5720.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



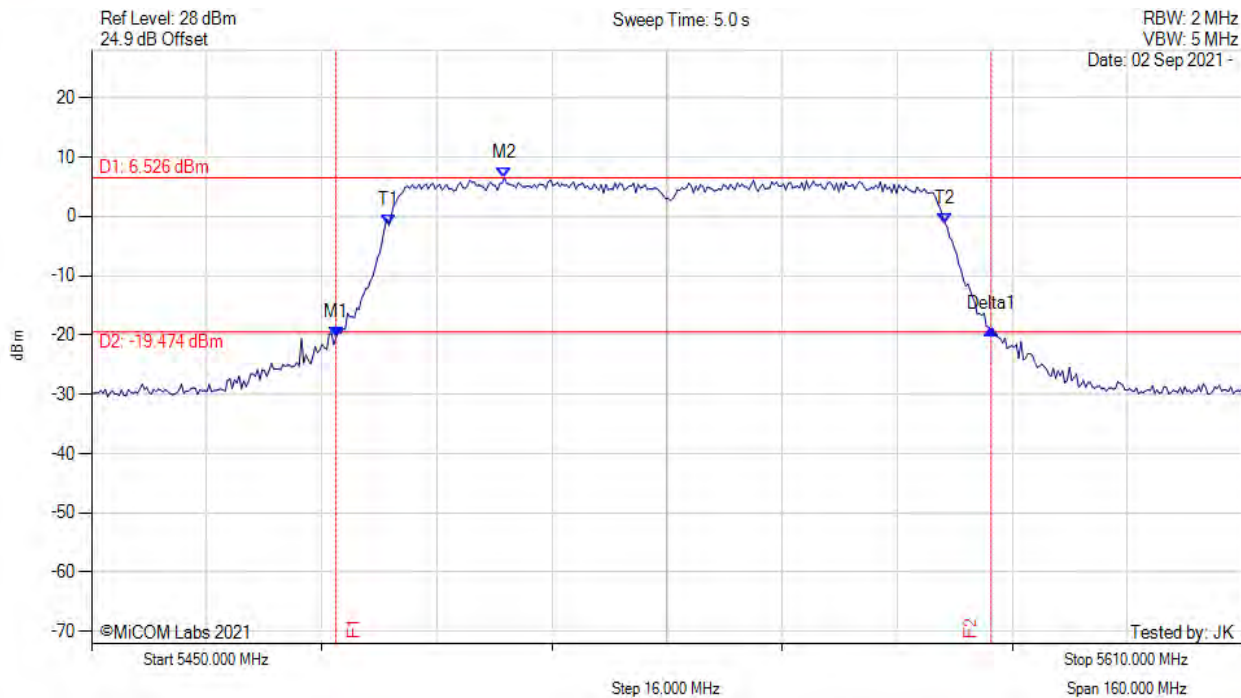
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.417 MHz : -22.728 dBm M2 : 5716.834 MHz : 4.181 dBm Delta1 : 22.525 MHz : 1.198 dB T1 : 5711.383 MHz : -6.275 dBm T2 : 5728.457 MHz : -5.205 dBm OBW : 17.074 MHz	Measured 26 dB Bandwidth: 22.525 MHz Measured 99% Bandwidth: 17.074 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



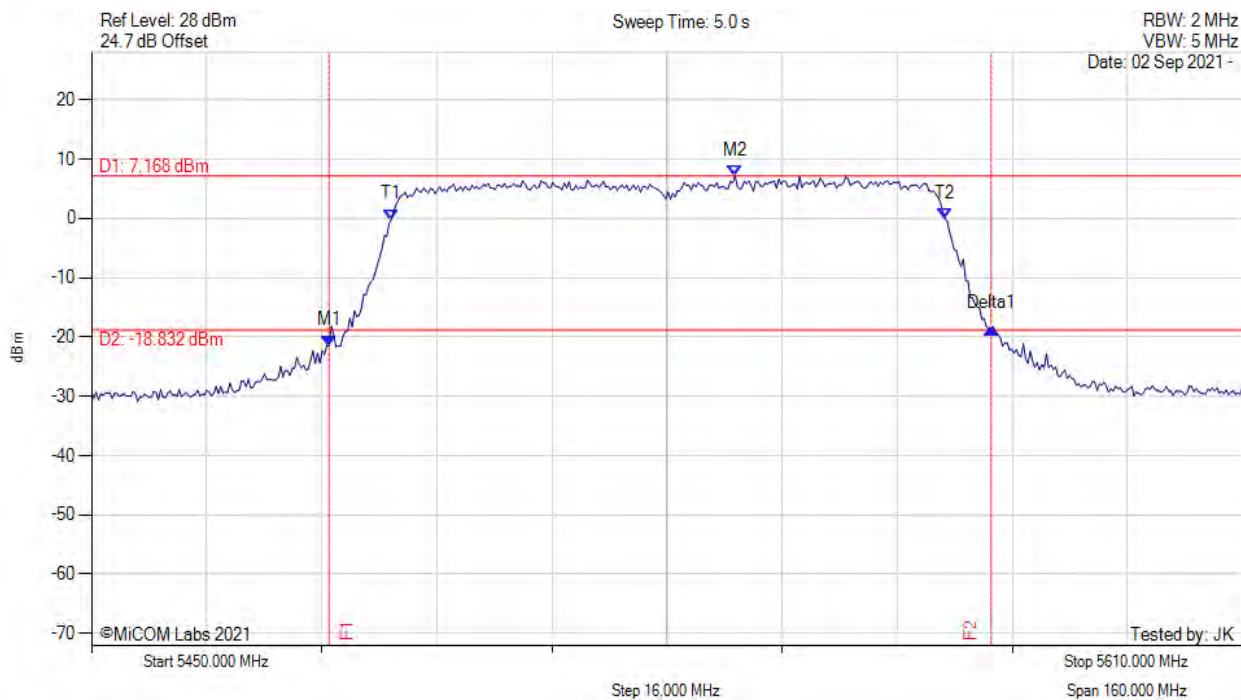
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5483.988 MHz : -20.348 dBm M2 : 5507.395 MHz : 6.526 dBm Delta1 : 91.062 MHz : 1.247 dB T1 : 5491.363 MHz : -1.567 dBm T2 : 5568.637 MHz : -1.148 dBm OBW : 77.275 MHz	Measured 26 dB Bandwidth: 91.062 MHz Measured 99% Bandwidth: 77.275 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



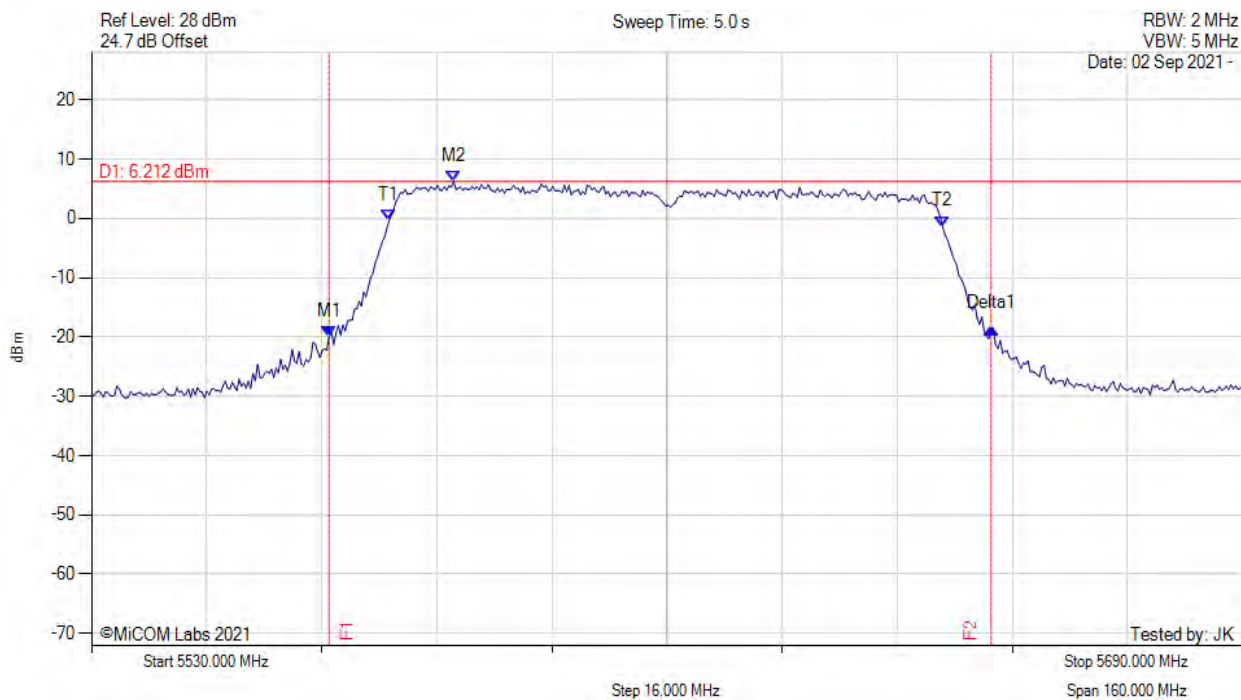
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5483.026 MHz : -21.471 dBm M2 : 5539.459 MHz : 7.168 dBm Delta1 : 92.024 MHz : 2.843 dB T1 : 5491.683 MHz : -0.188 dBm T2 : 5568.637 MHz : -0.049 dBm OBW : 76.954 MHz	Measured 26 dB Bandwidth: 92.024 MHz Measured 99% Bandwidth: 76.954 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5563.026 MHz : -19.952 dBm M2 : 5580.341 MHz : 6.212 dBm Delta1 : 92.024 MHz : 1.324 dB T1 : 5571.363 MHz : -0.393 dBm T2 : 5648.317 MHz : -1.359 dBm OBW : 76.954 MHz	Measured 26 dB Bandwidth: 92.024 MHz Measured 99% Bandwidth: 76.954 MHz

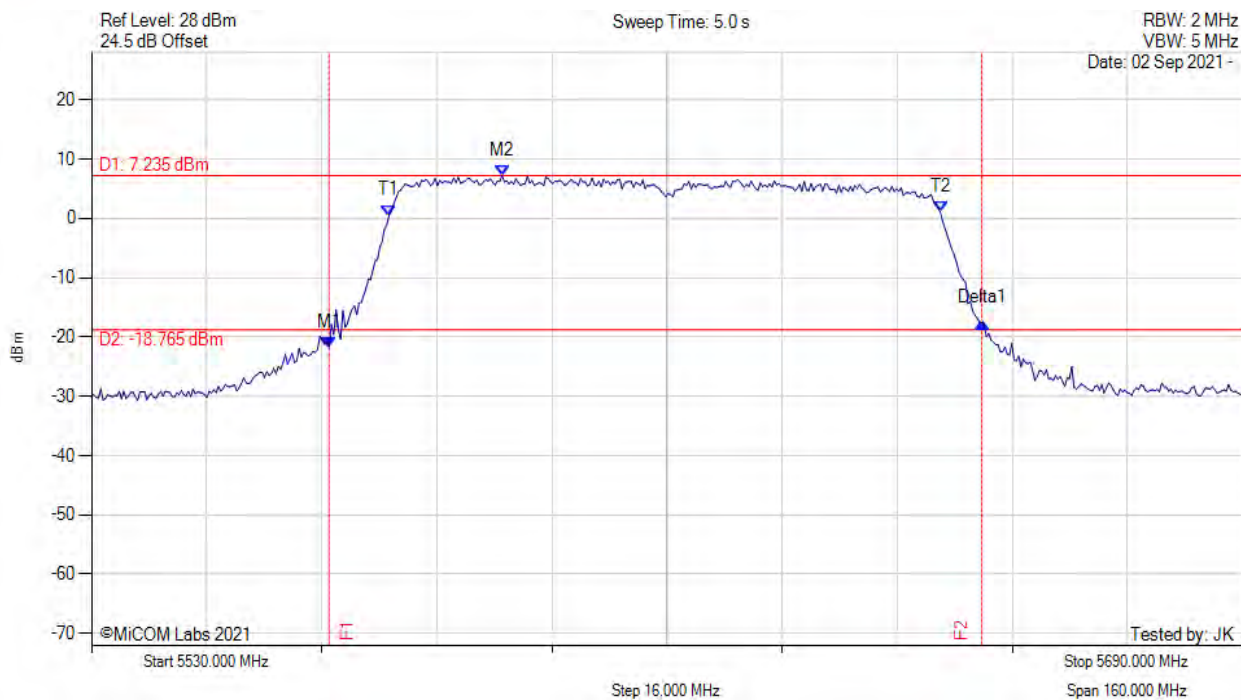
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26 dB & 99% BANDWIDTH



Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



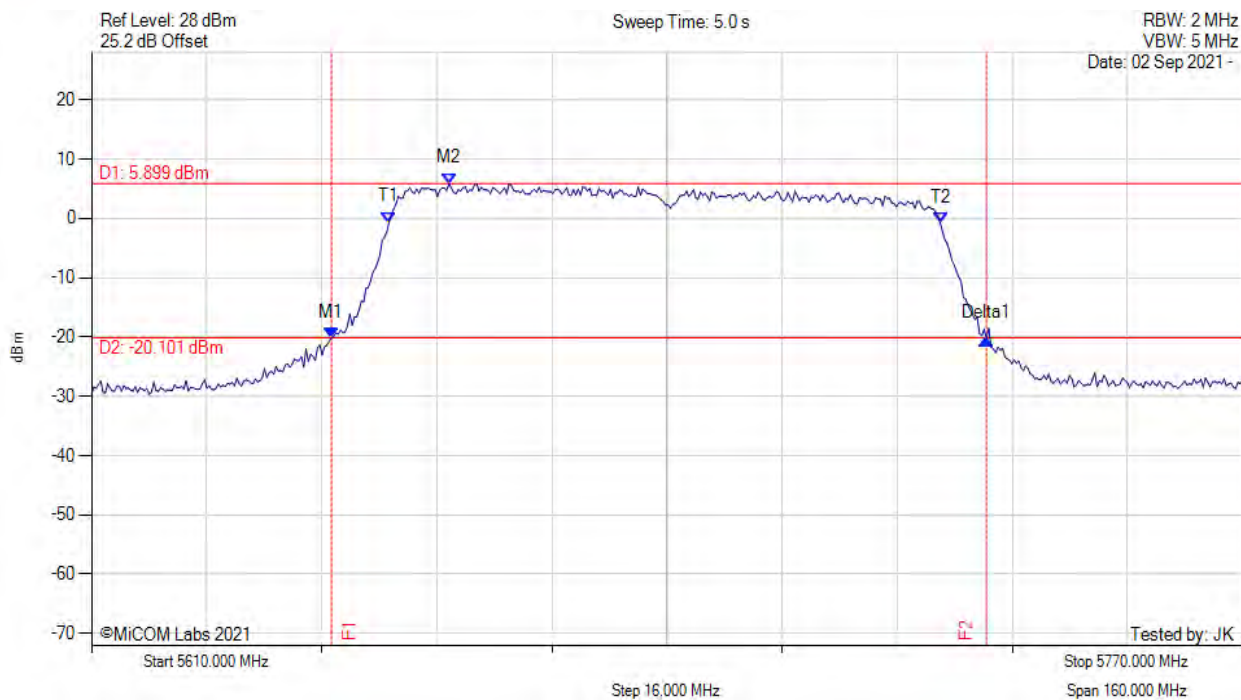
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5563.026 MHz : -21.731 dBm M2 : 5587.074 MHz : 7.235 dBm Delta1 : 90.741 MHz : 4.190 dB T1 : 5571.363 MHz : 0.510 dBm T2 : 5647.996 MHz : 1.067 dBm OBW : 76.633 MHz	Measured 26 dB Bandwidth: 90.741 MHz Measured 99% Bandwidth: 76.633 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



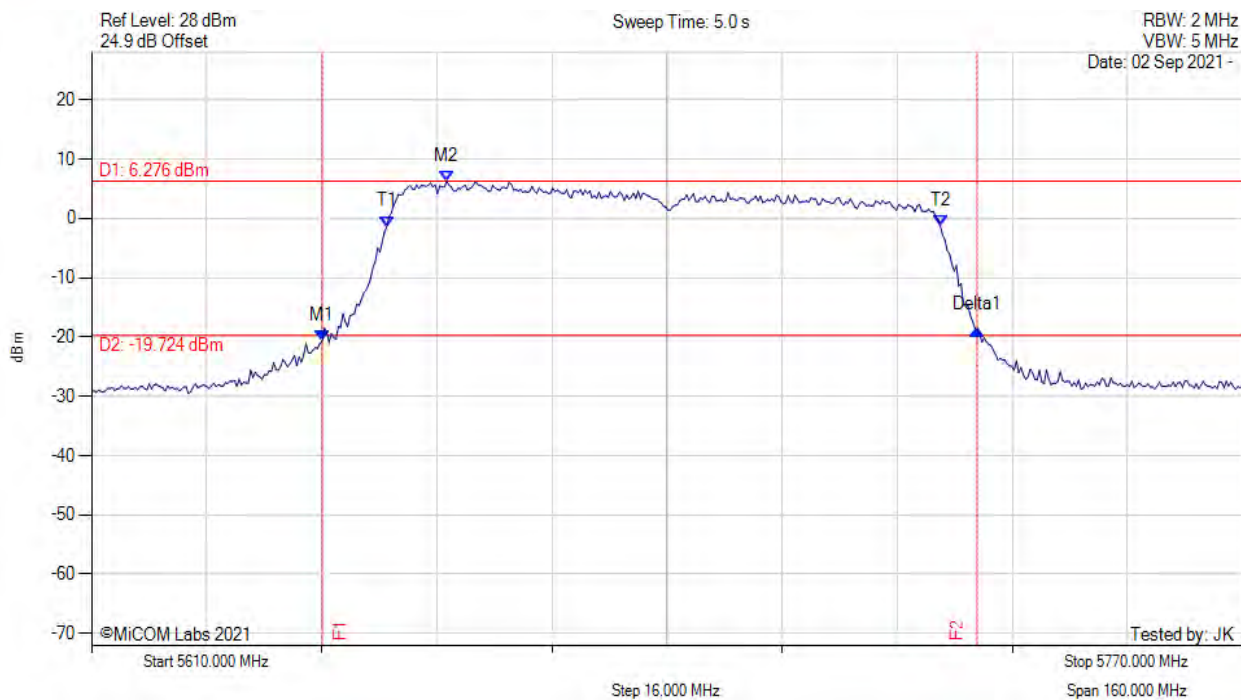
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5643.347 MHz : -20.214 dBm M2 : 5659.699 MHz : 5.899 dBm Delta1 : 91.062 MHz : -0.067 dB T1 : 5651.363 MHz : -0.666 dBm T2 : 5727.996 MHz : -0.802 dBm OBW : 76.633 MHz	Measured 26 dB Bandwidth: 91.062 MHz Measured 99% Bandwidth: 76.633 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



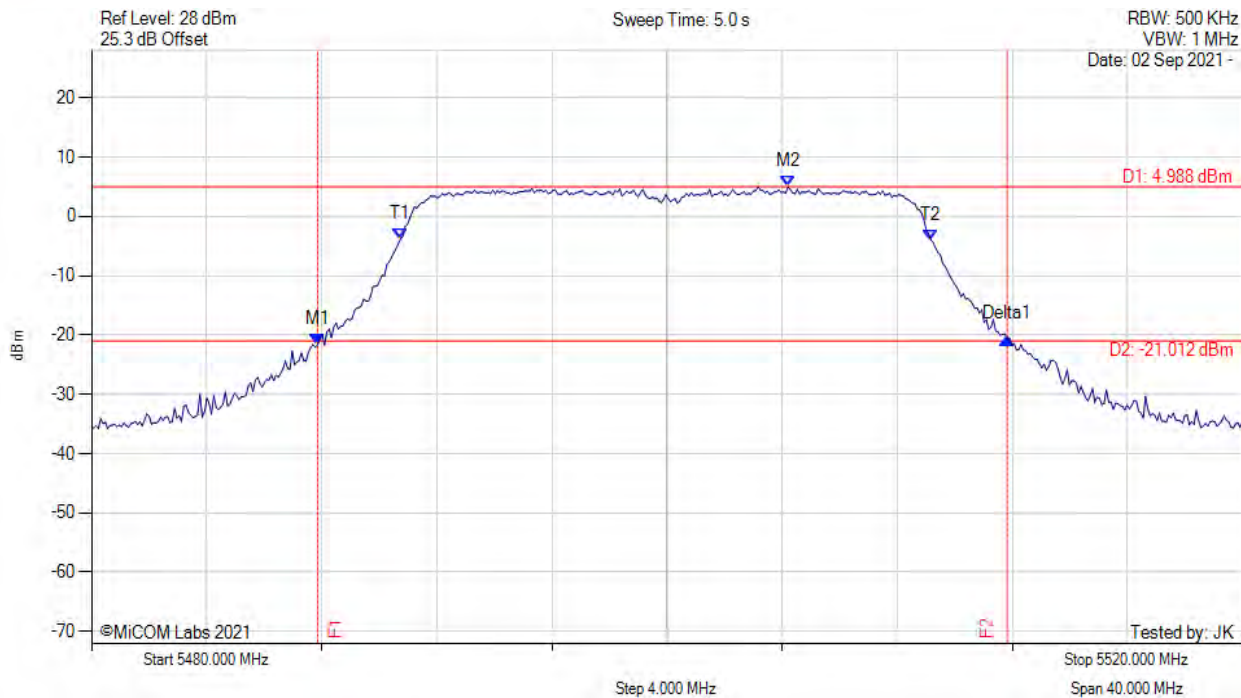
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5642.064 MHz : -20.680 dBm M2 : 5659.379 MHz : 6.276 dBm Delta1 : 91.062 MHz : 1.983 dB T1 : 5651.042 MHz : -1.359 dBm T2 : 5727.996 MHz : -1.288 dBm OBW : 76.954 MHz	Measured 26 dB Bandwidth: 91.062 MHz Measured 99% Bandwidth: 76.954 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



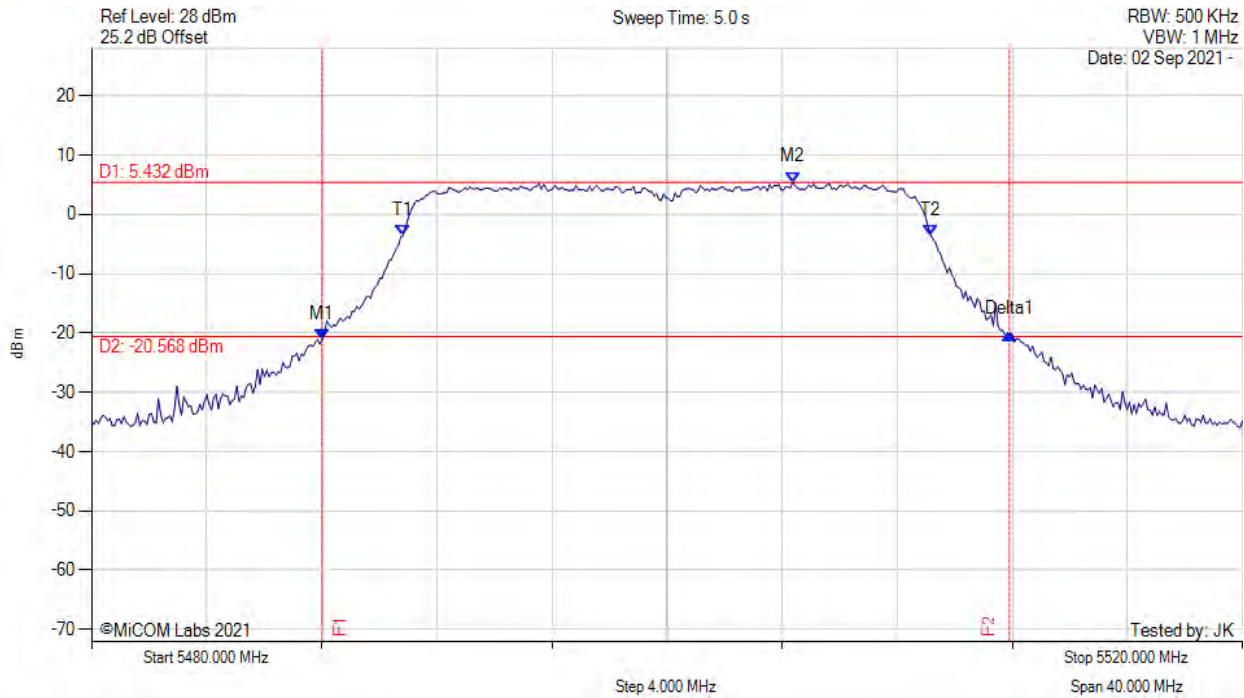
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.856 MHz : -21.672 dBm M2 : 5504.208 MHz : 4.988 dBm Delta1 : 23.968 MHz : 1.066 dB T1 : 5490.741 MHz : -3.826 dBm T2 : 5509.178 MHz : -4.036 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 23.968 MHz Measured 99% Bandwidth: 18.437 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



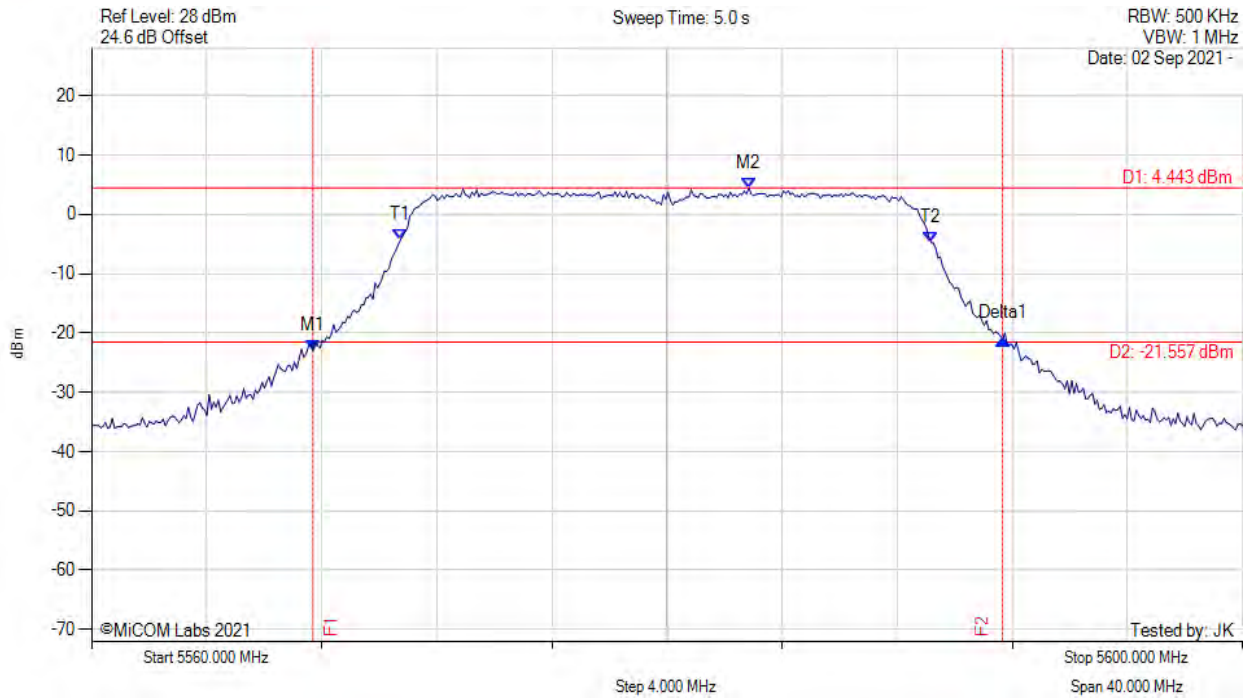
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.016 MHz : -21.082 dBm M2 : 5504.369 MHz : 5.432 dBm Delta1 : 23.888 MHz : 0.921 dB T1 : 5490.822 MHz : -3.613 dBm T2 : 5509.178 MHz : -3.627 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 23.888 MHz Measured 99% Bandwidth: 18.357 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



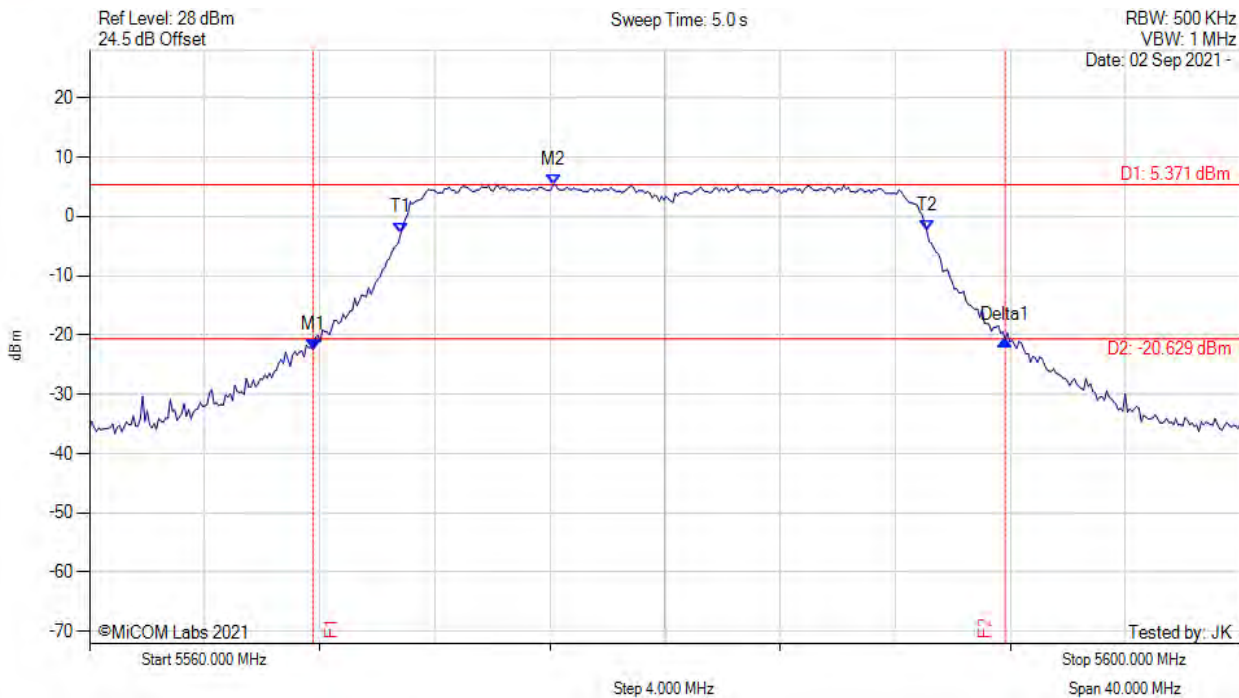
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.695 MHz : -22.911 dBm M2 : 5582.846 MHz : 4.443 dBm Delta1 : 23.968 MHz : 1.926 dB T1 : 5570.741 MHz : -4.276 dBm T2 : 5589.178 MHz : -4.756 dBm OBW : 18.437 MHz	Measured 26 dB Bandwidth: 23.968 MHz Measured 99% Bandwidth: 18.437 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



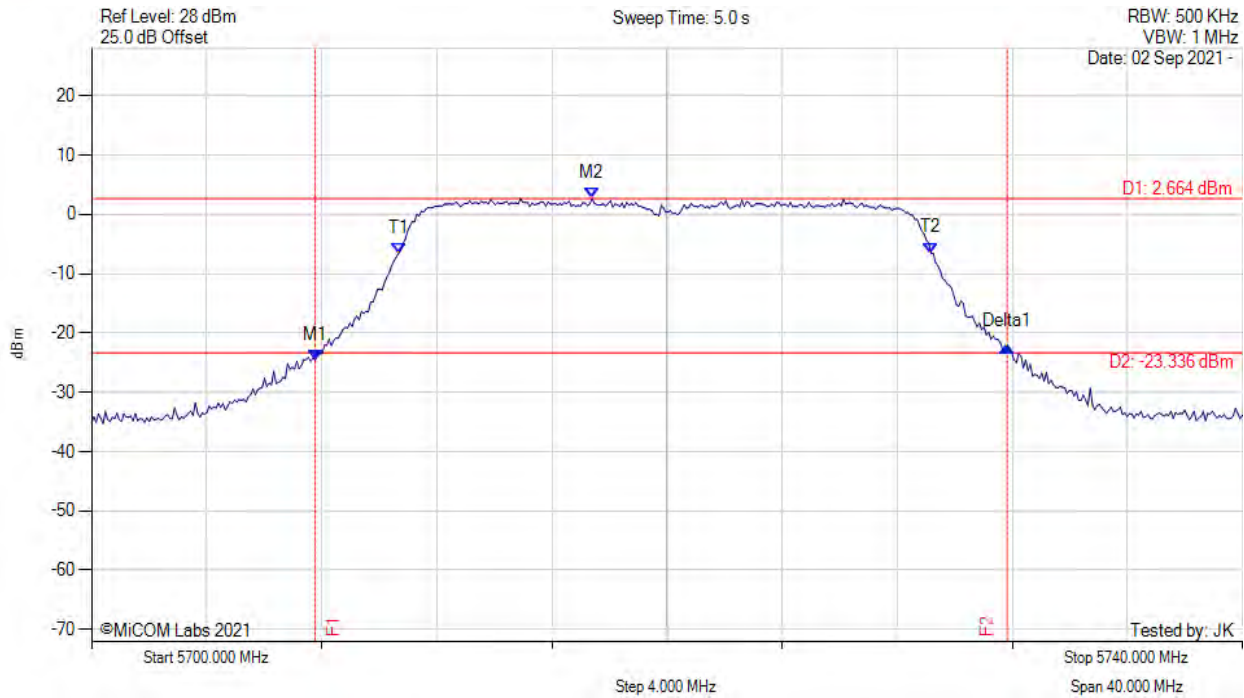
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.776 MHz : -22.459 dBm M2 : 5576.112 MHz : 5.371 dBm Delta1 : 24.048 MHz : 1.621 dB T1 : 5570.822 MHz : -2.752 dBm T2 : 5589.098 MHz : -2.449 dBm OBW : 18.277 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.277 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5707.776 MHz : -24.521 dBm M2 : 5717.395 MHz : 2.664 dBm Delta1 : 24.048 MHz : 2.298 dB T1 : 5710.661 MHz : -6.651 dBm T2 : 5729.178 MHz : -6.494 dBm OBW : 18.517 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.517 MHz

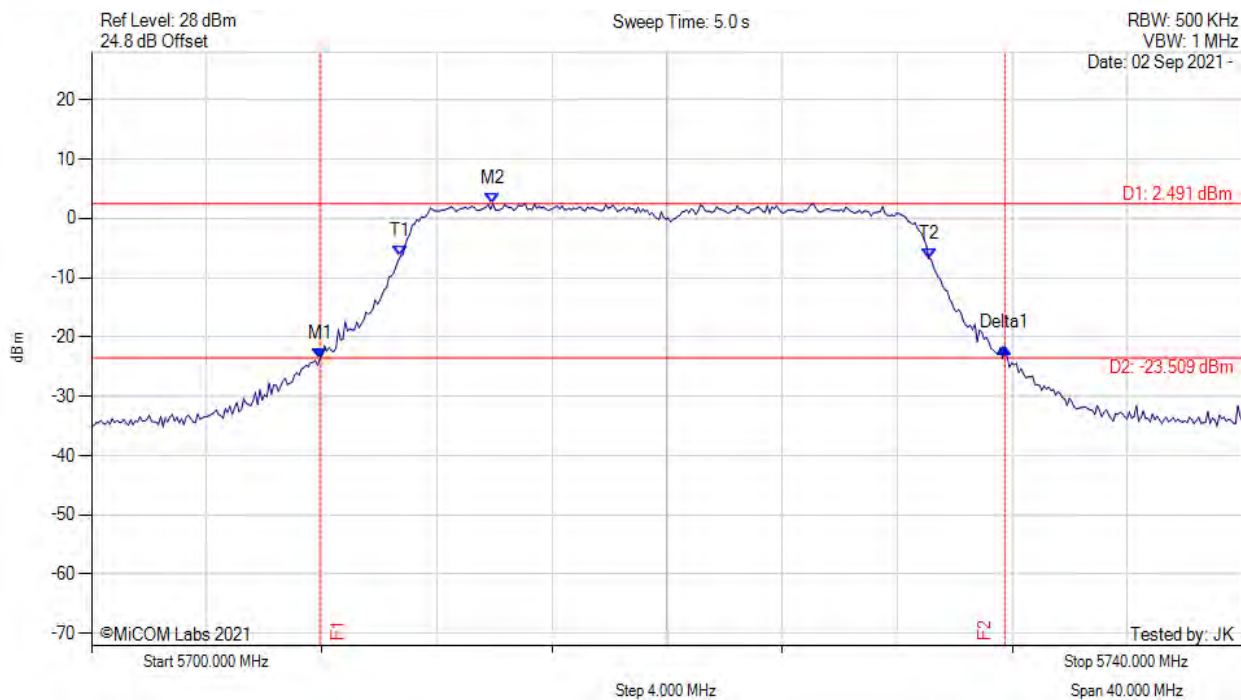
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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



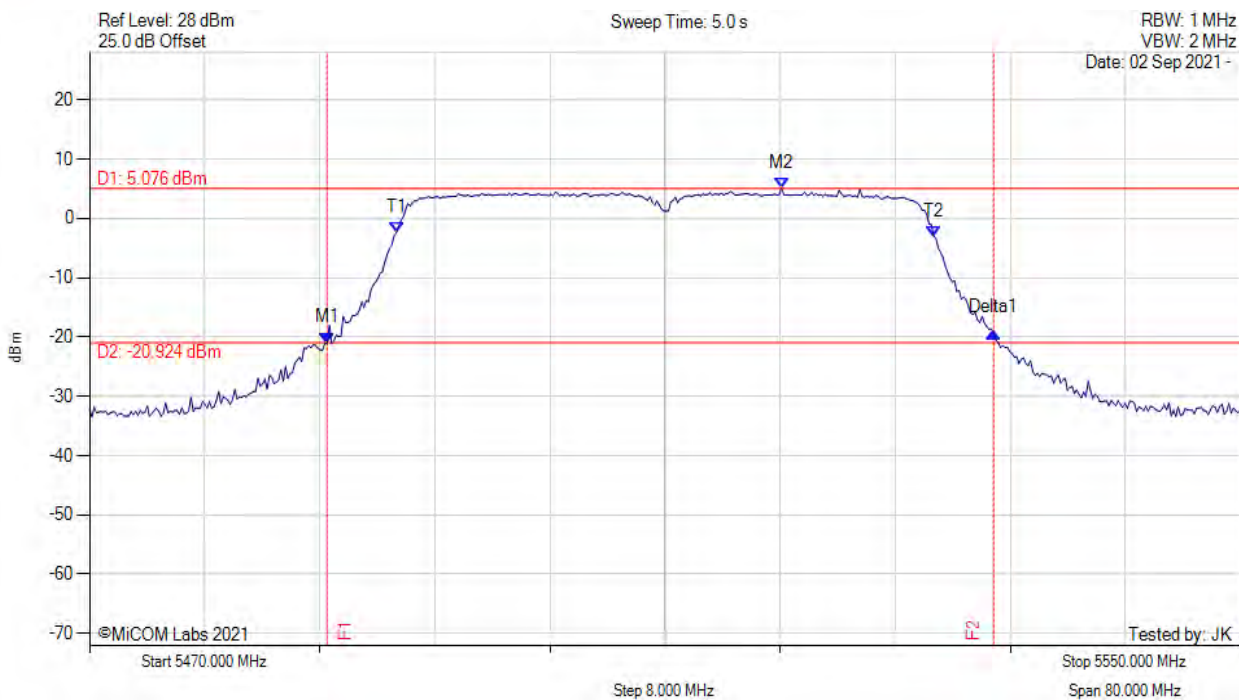
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5707.936 MHz : -23.669 dBm M2 : 5713.948 MHz : 2.491 dBm Delta1 : 23.808 MHz : 1.824 dB T1 : 5710.741 MHz : -6.364 dBm T2 : 5729.098 MHz : -6.753 dBm OBW : 18.357 MHz	Measured 26 dB Bandwidth: 23.808 MHz Measured 99% Bandwidth: 18.357 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



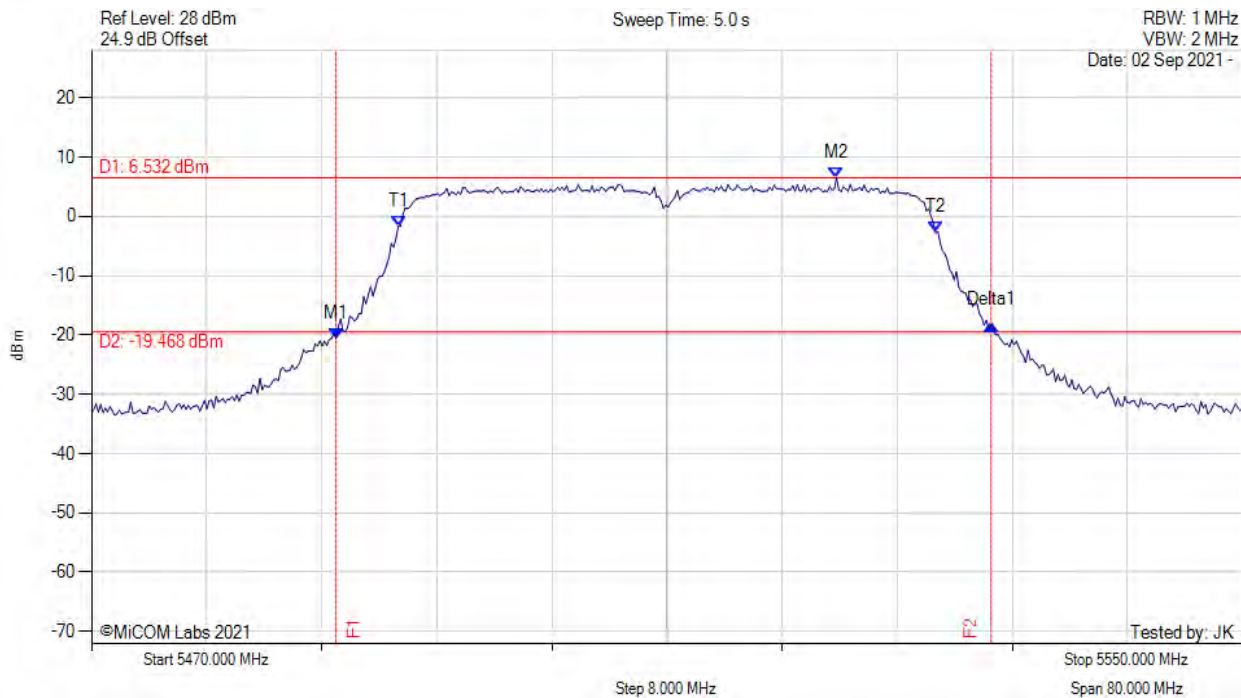
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5486.513 MHz : -20.977 dBm M2 : 5518.096 MHz : 5.076 dBm Delta1 : 46.333 MHz : 1.682 dB T1 : 5491.323 MHz : -2.415 dBm T2 : 5528.677 MHz : -3.015 dBm OBW : 37.355 MHz	Measured 26 dB Bandwidth: 46.333 MHz Measured 99% Bandwidth: 37.355 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



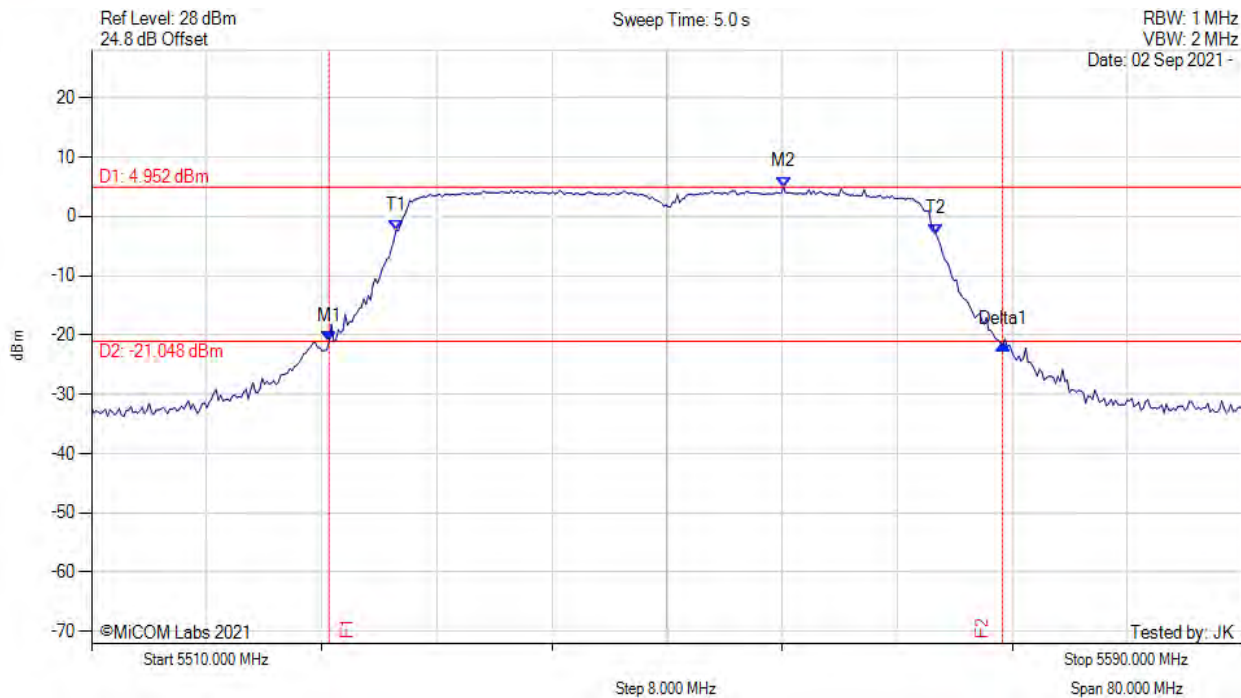
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5486.994 MHz : -20.582 dBm M2 : 5521.784 MHz : 6.532 dBm Delta1 : 45.531 MHz : 2.266 dB T1 : 5491.323 MHz : -1.615 dBm T2 : 5528.677 MHz : -2.712 dBm OBW : 37.355 MHz	Measured 26 dB Bandwidth: 45.531 MHz Measured 99% Bandwidth: 37.355 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



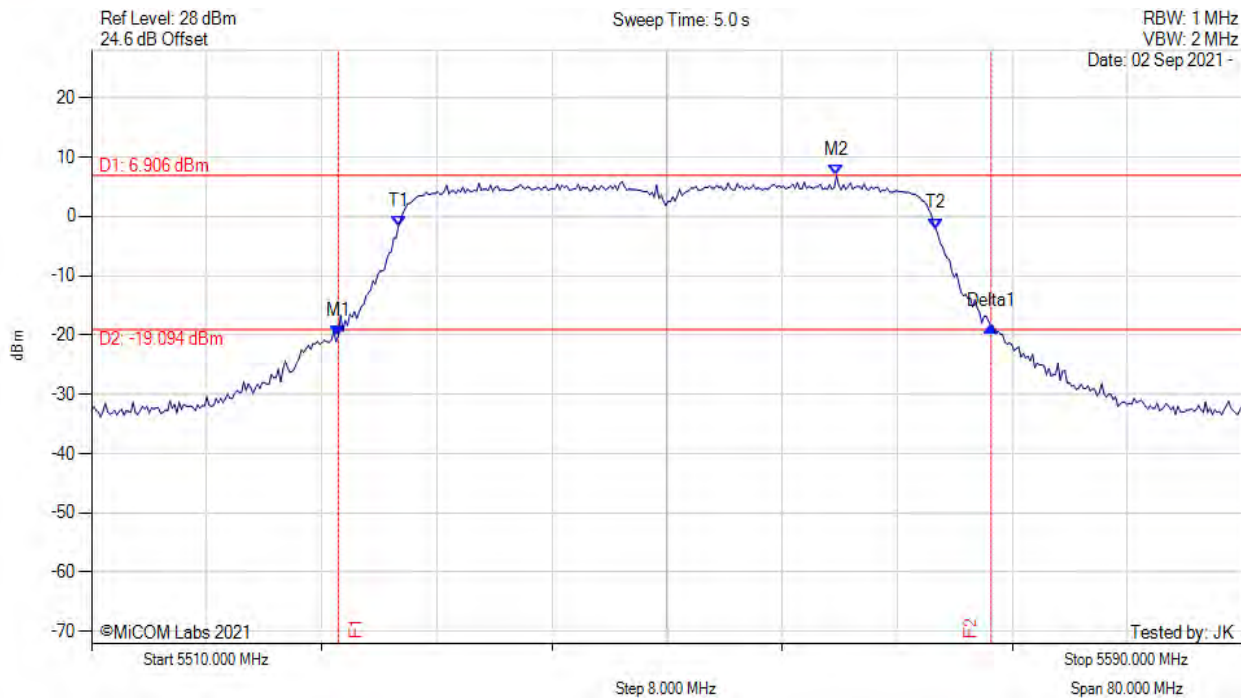
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5526.513 MHz : -21.099 dBm M2 : 5558.096 MHz : 4.952 dBm Delta1 : 46.814 MHz : -0.435 dB T1 : 5531.162 MHz : -2.368 dBm T2 : 5568.677 MHz : -2.986 dBm OBW : 37.515 MHz	Measured 26 dB Bandwidth: 46.814 MHz Measured 99% Bandwidth: 37.515 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



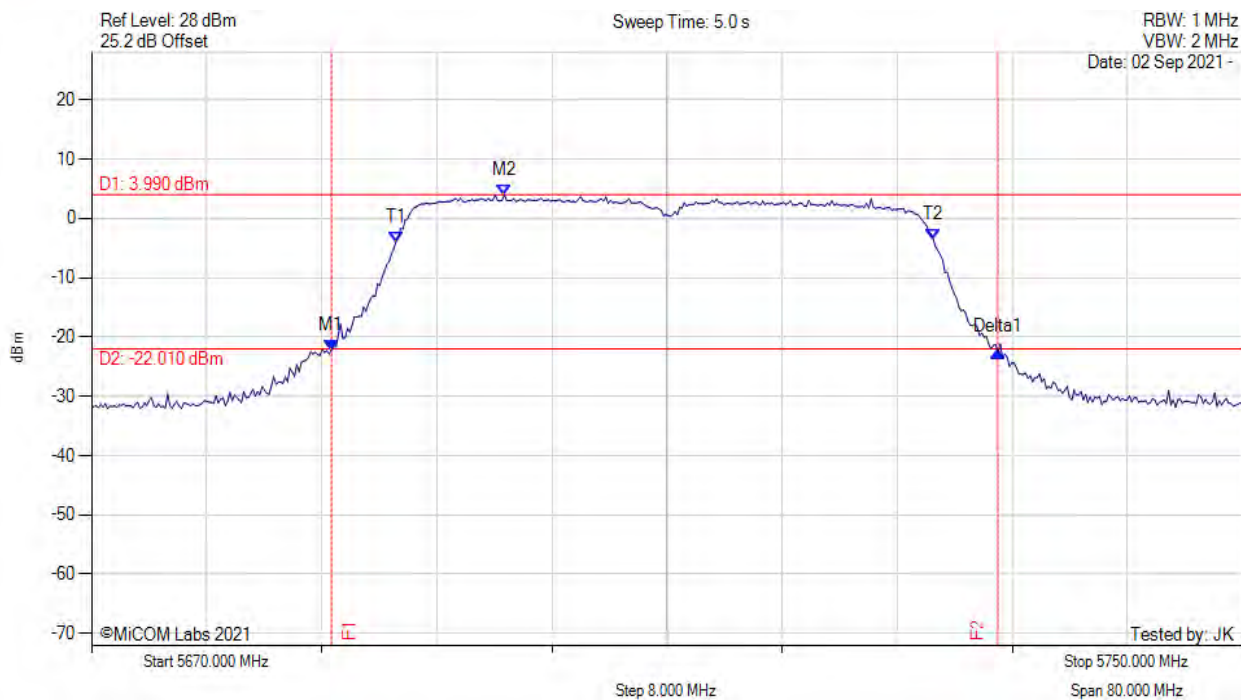
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5527.154 MHz : -20.110 dBm M2 : 5561.784 MHz : 6.906 dBm Delta1 : 45.371 MHz : 1.580 dB T1 : 5531.323 MHz : -1.729 dBm T2 : 5568.677 MHz : -2.065 dBm OBW : 37.355 MHz	Measured 26 dB Bandwidth: 45.371 MHz Measured 99% Bandwidth: 37.355 MHz

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26 dB & 99% BANDWIDTH



Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



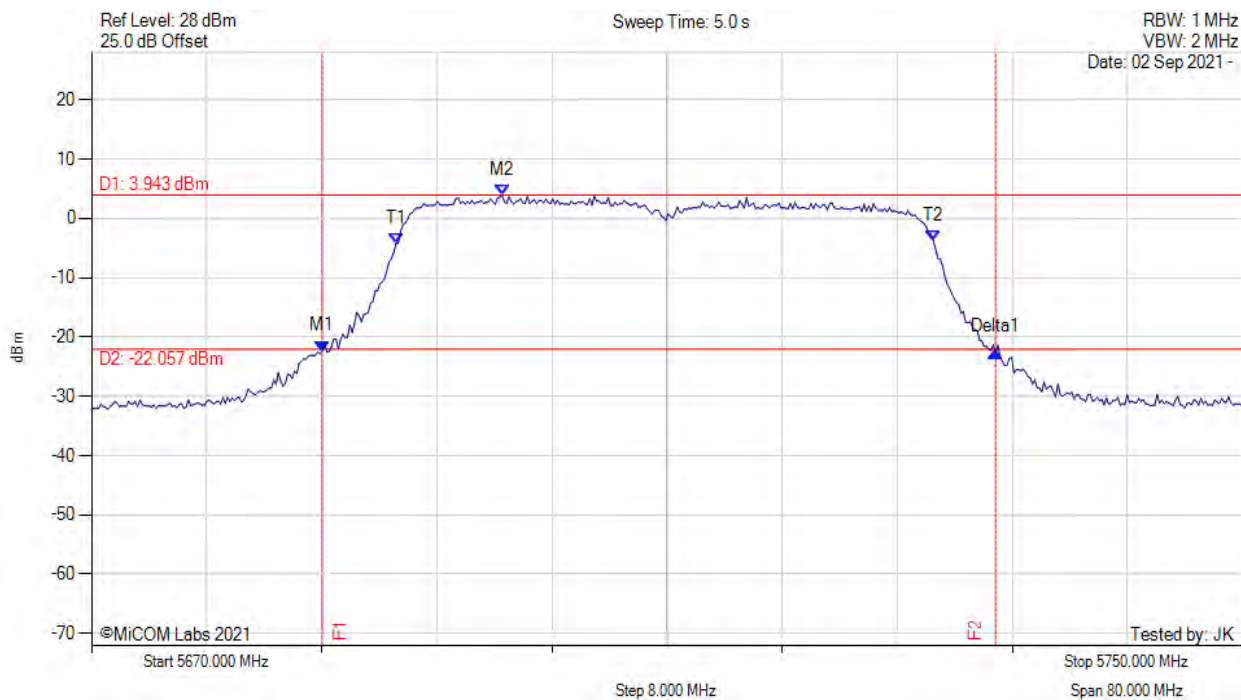
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5686.673 MHz : -22.242 dBm M2 : 5698.697 MHz : 3.990 dBm Delta1 : 46.333 MHz : -0.287 dB T1 : 5691.162 MHz : -3.960 dBm T2 : 5728.517 MHz : -3.572 dBm OBW : 37.355 MHz	Measured 26 dB Bandwidth: 46.333 MHz Measured 99% Bandwidth: 37.355 MHz

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26 dB & 99% BANDWIDTH



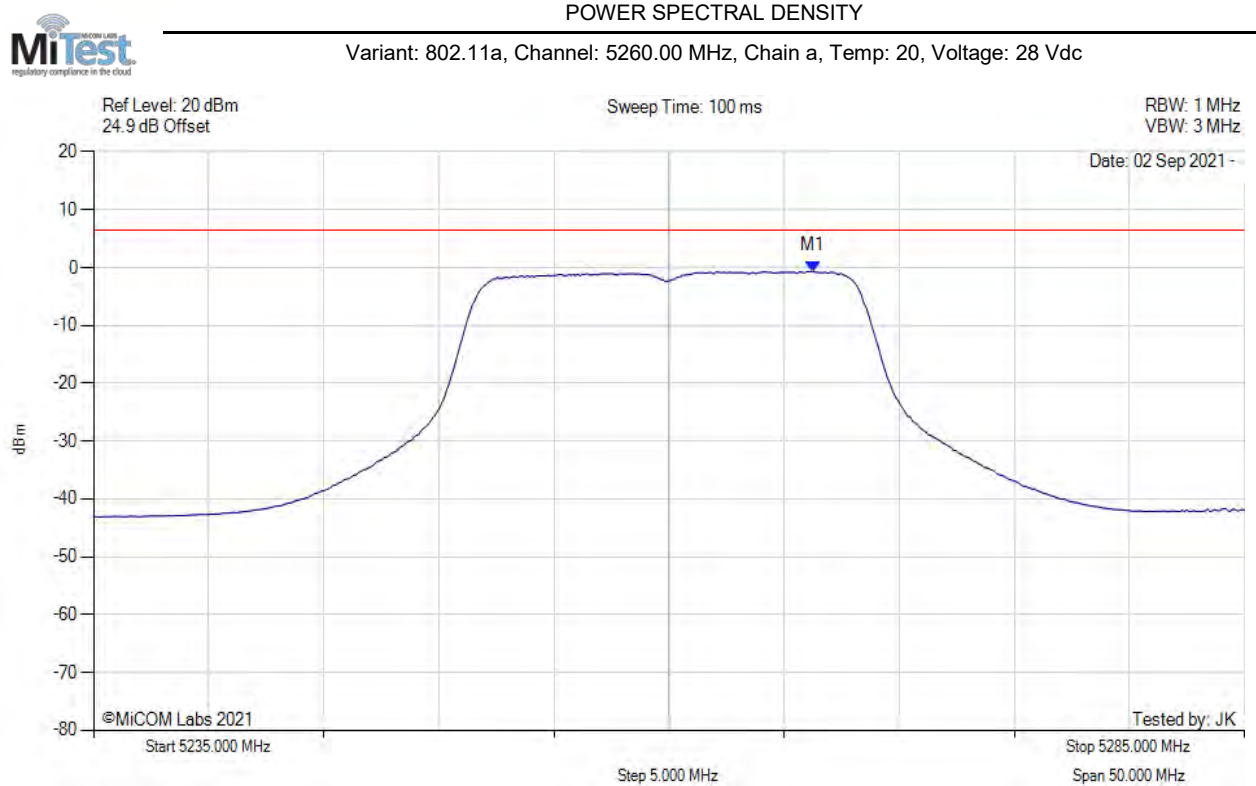
Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5686.032 MHz : -22.402 dBm M2 : 5698.537 MHz : 3.943 dBm Delta1 : 46.814 MHz : -0.187 dB T1 : 5691.162 MHz : -4.204 dBm T2 : 5728.517 MHz : -3.747 dBm OBW : 37.355 MHz	Measured 26 dB Bandwidth: 46.814 MHz Measured 99% Bandwidth: 37.355 MHz

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## A.2. Power Spectral Density



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5266.263 MHz : -0.635 dBm	Limit: $\leq 6.490$ dBm

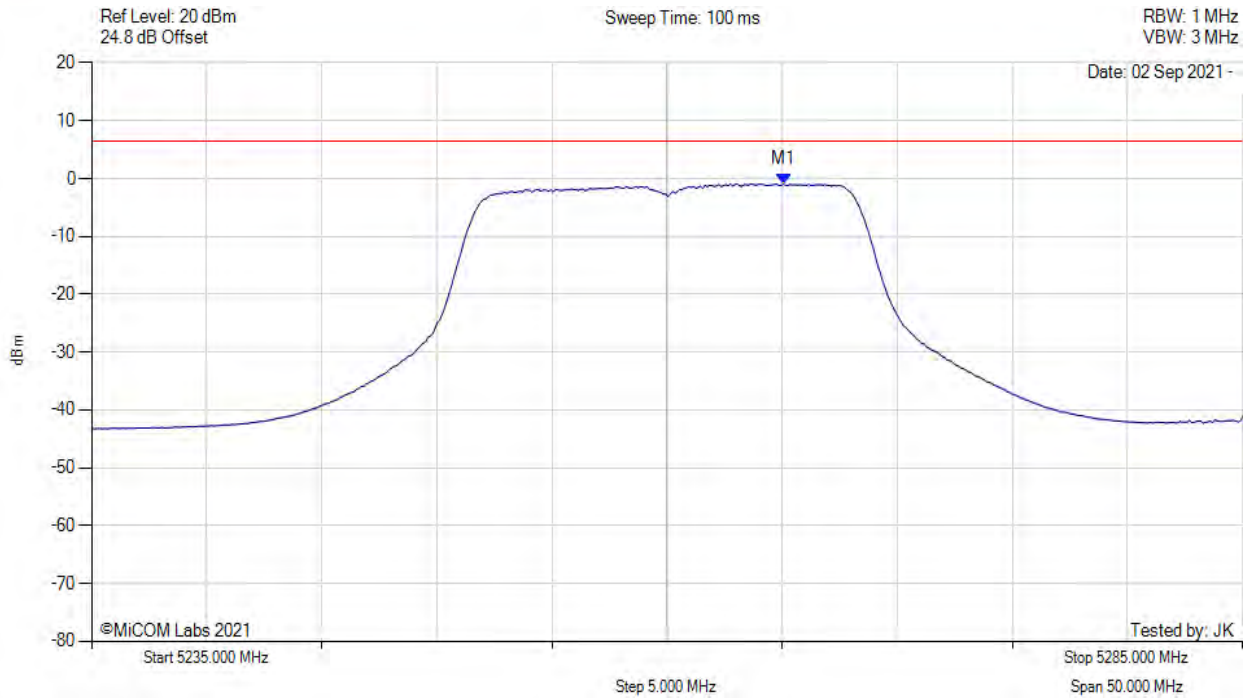
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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



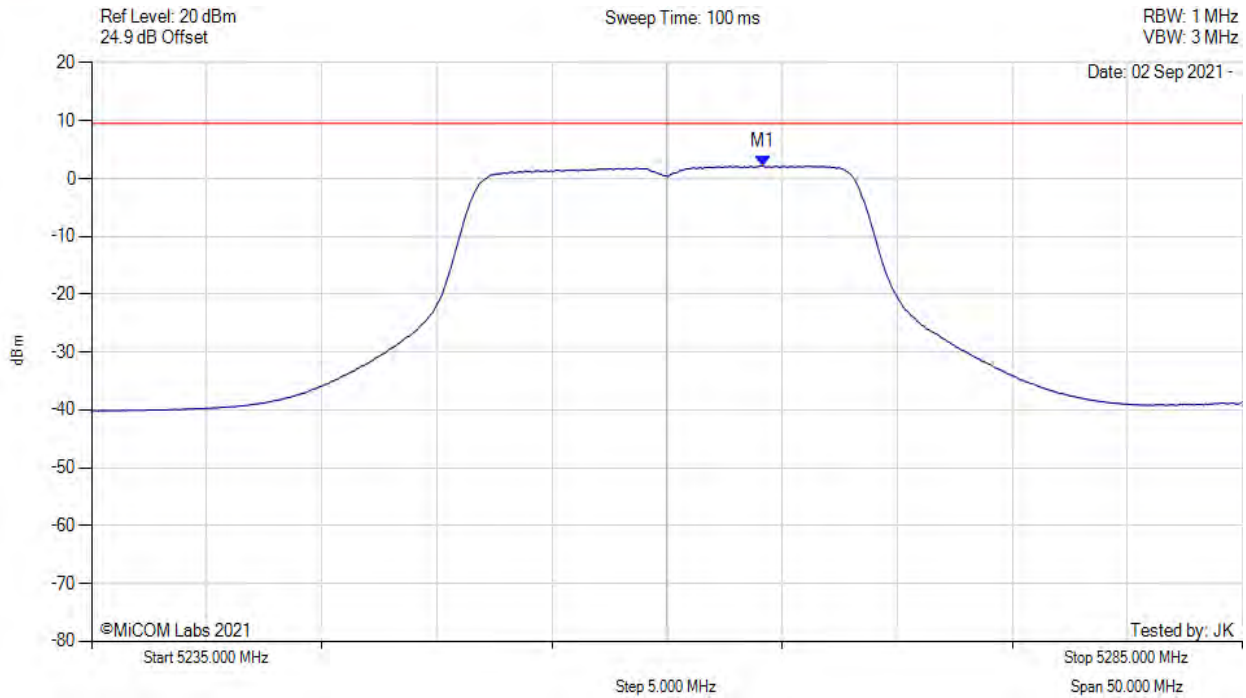
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.060 MHz : -0.895 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5260.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



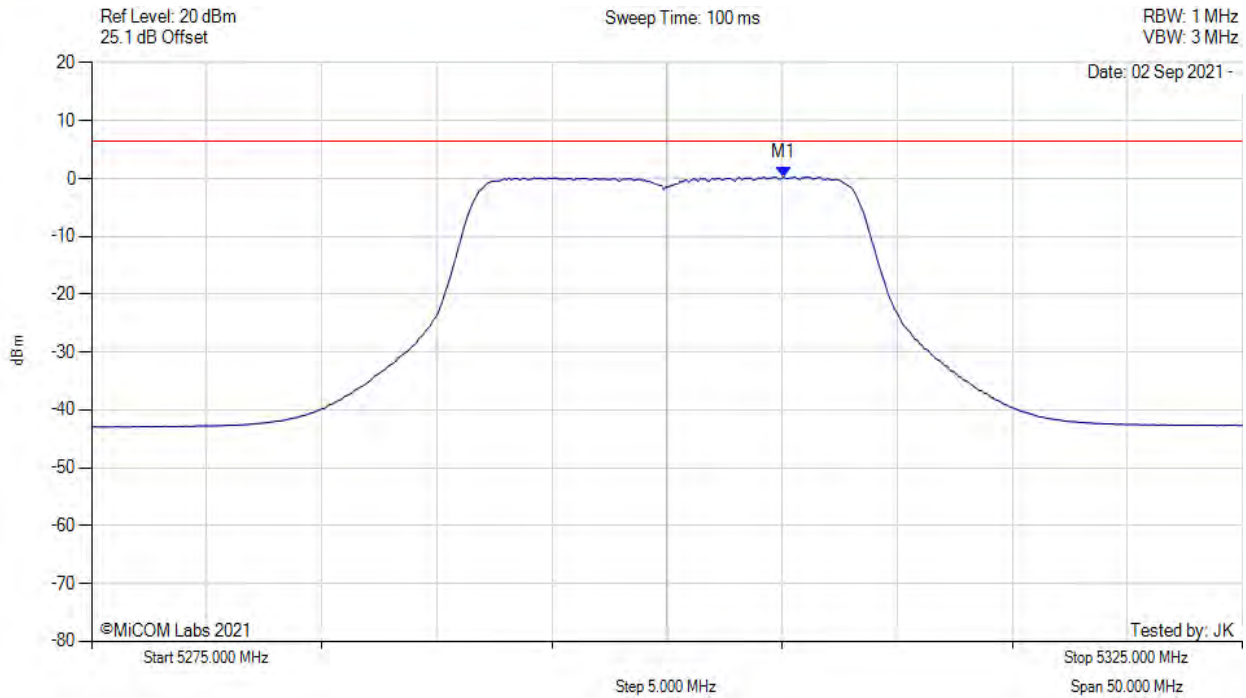
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5264.200 MHz : 2.152 dBm M1 + DCCF : 5264.200 MHz : 2.266 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: $\leq 9.5$ dBm Margin: -7.2 dB

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



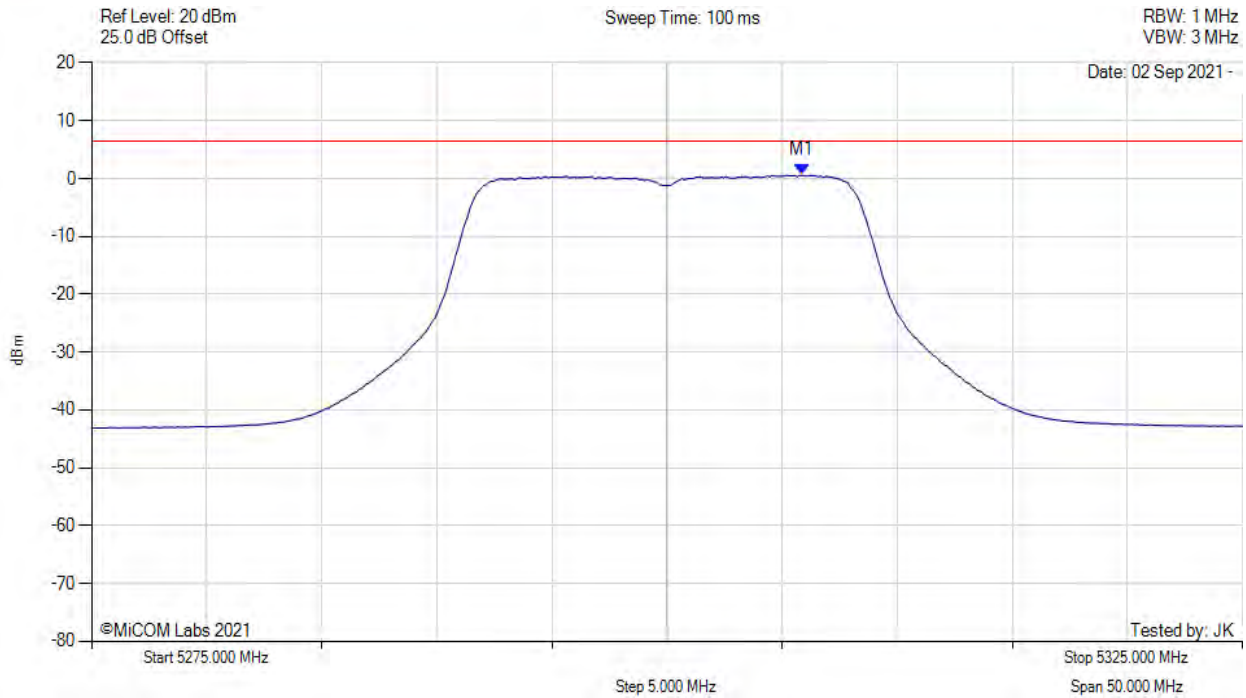
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.060 MHz : 0.262 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variante: 802.11a, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



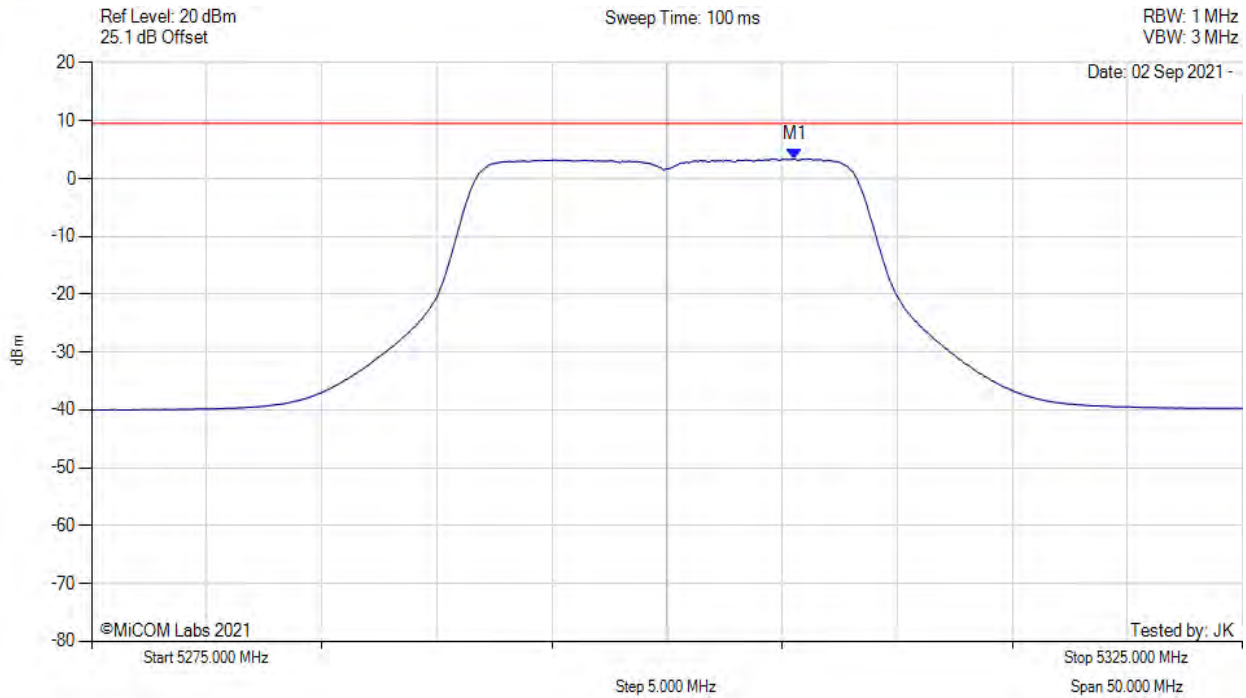
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.862 MHz : 0.584 dBm	Channel Frequency: 5300.00 MHz

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



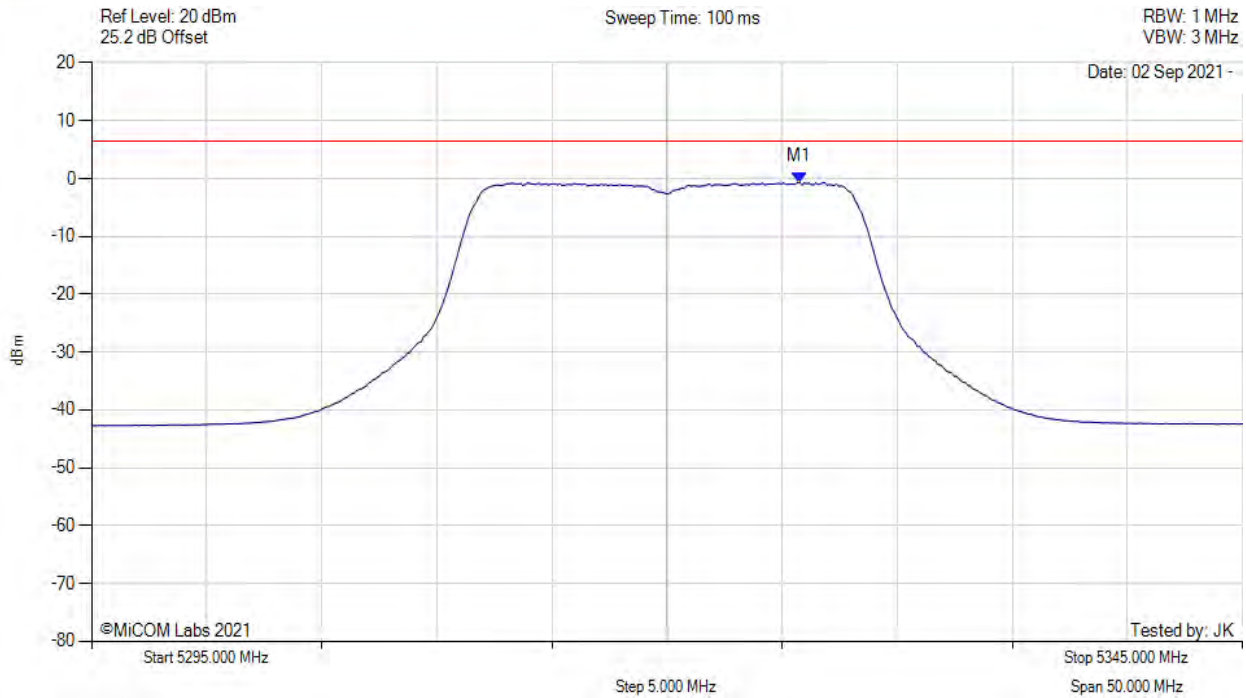
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.600 MHz : 3.395 dBm M1 + DCCF : 5305.600 MHz : 3.509 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: $\leq 9.5$ dBm Margin: -6.0 dB

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



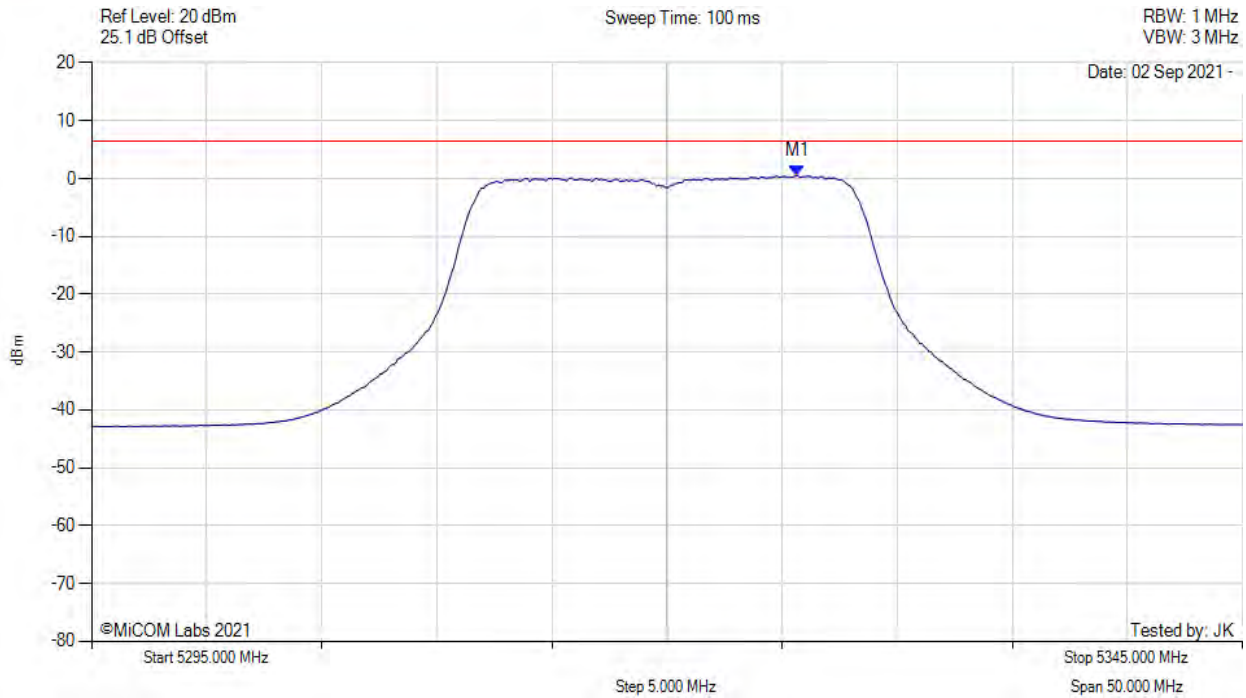
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5325.762 MHz : -0.631 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



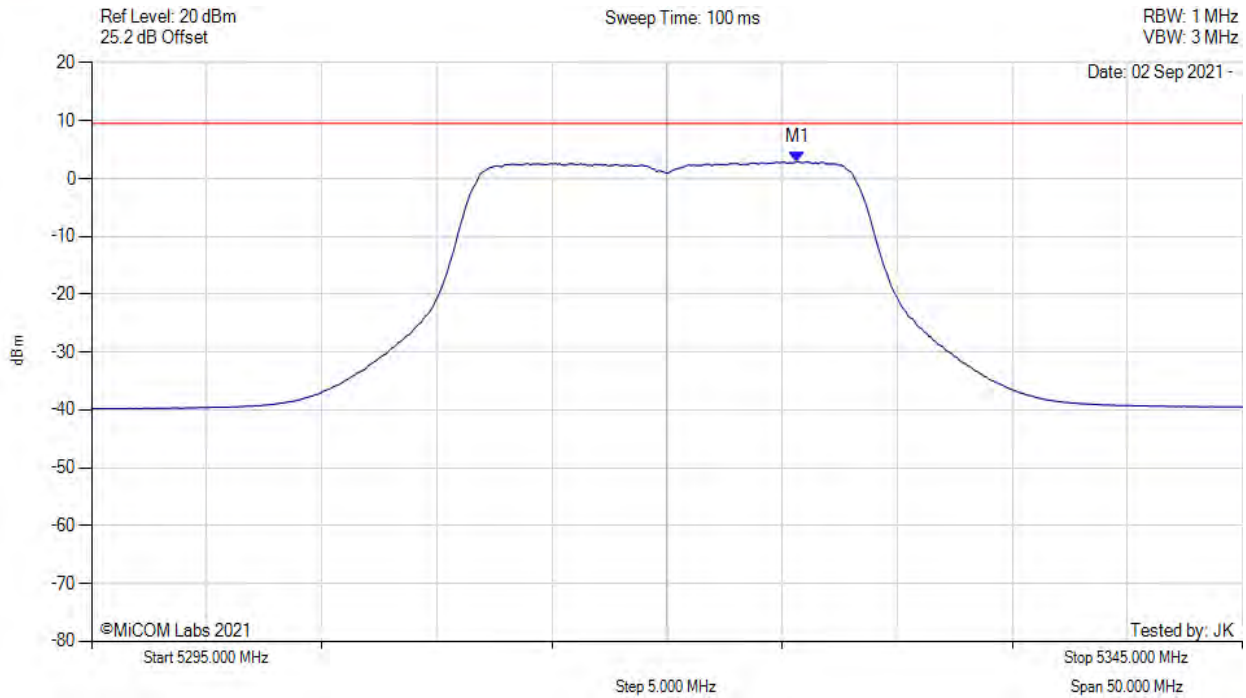
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5325.661 MHz : 0.506 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5325.700 MHz : 2.941 dBm M1 + DCCF : 5325.700 MHz : 3.055 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: $\leq 9.5$ dBm Margin: -6.5 dB

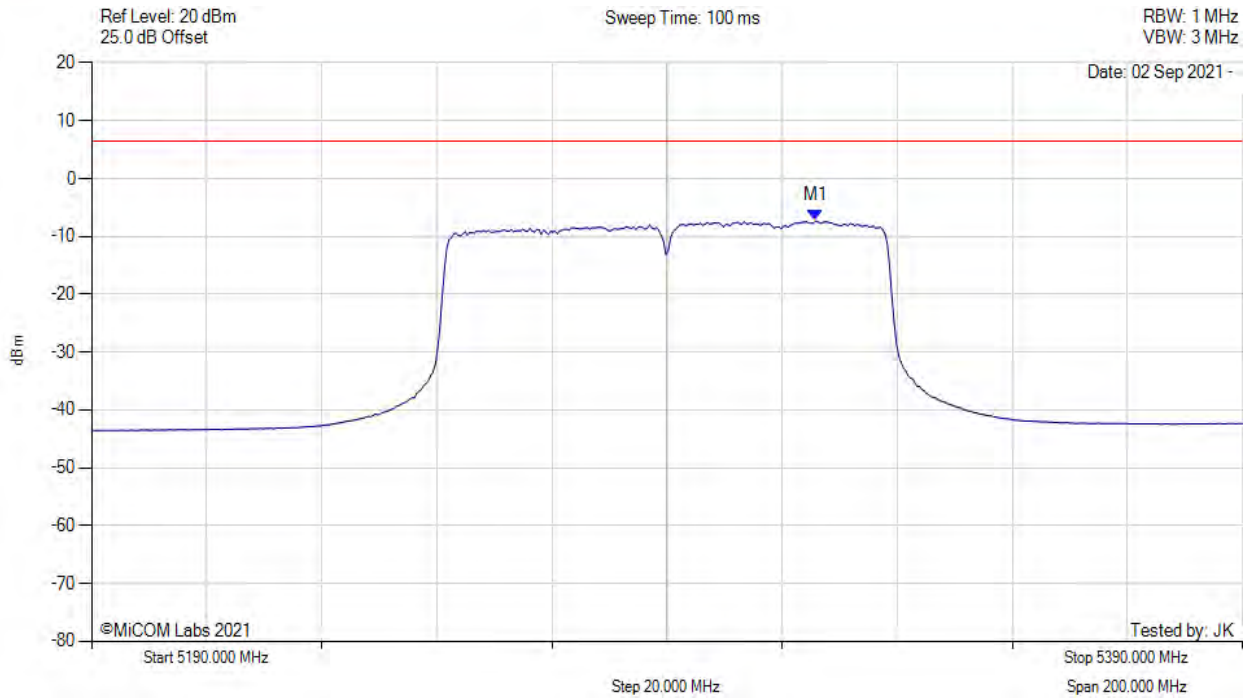
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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



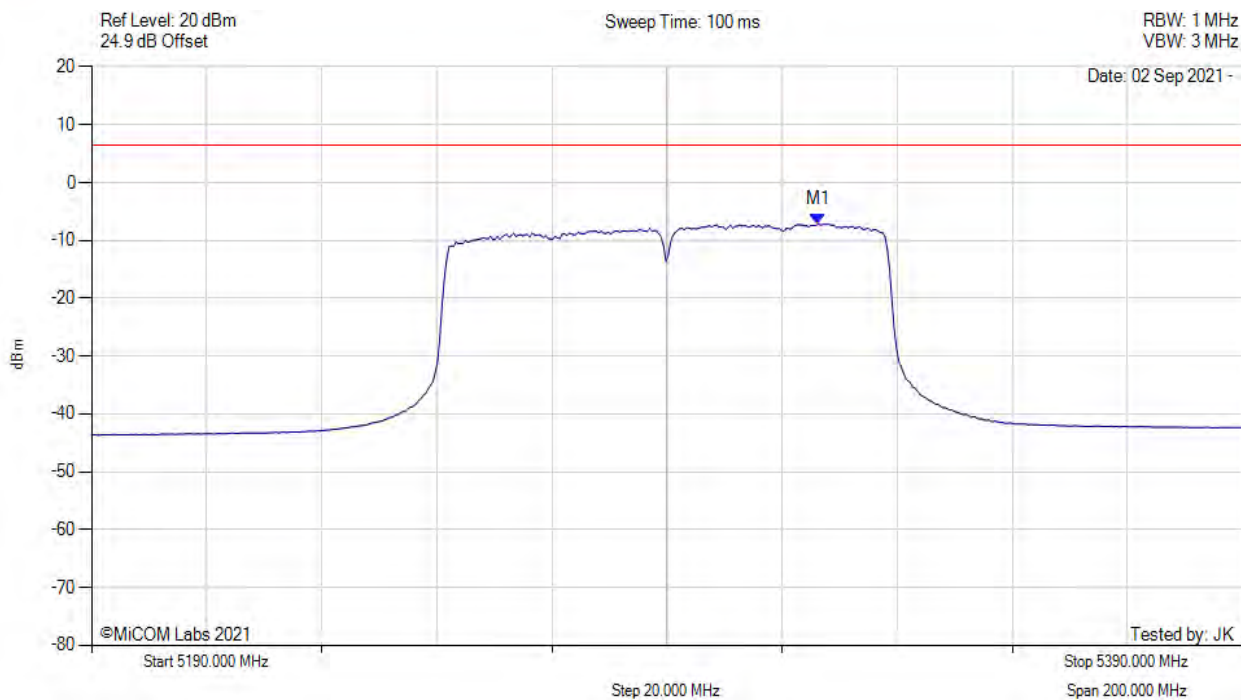
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5315.852 MHz : -7.328 dBm	Limit: $\leq 6.490$ dBm

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



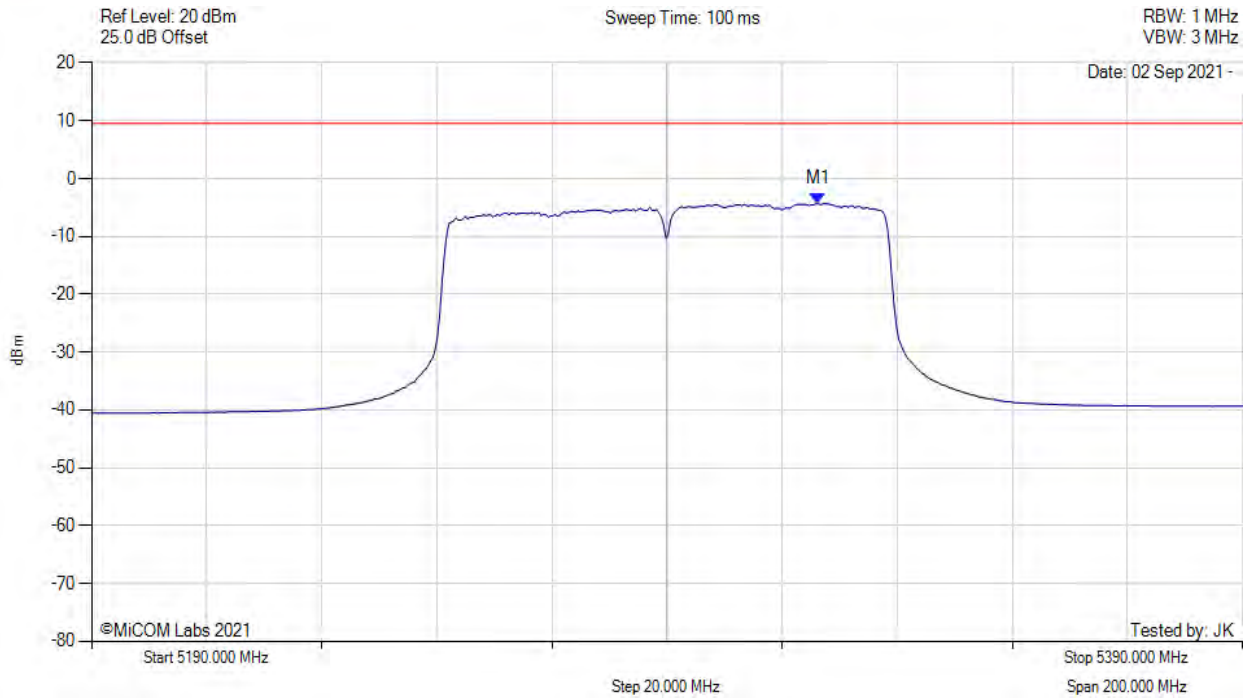
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5316.253 MHz : -7.185 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5290.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



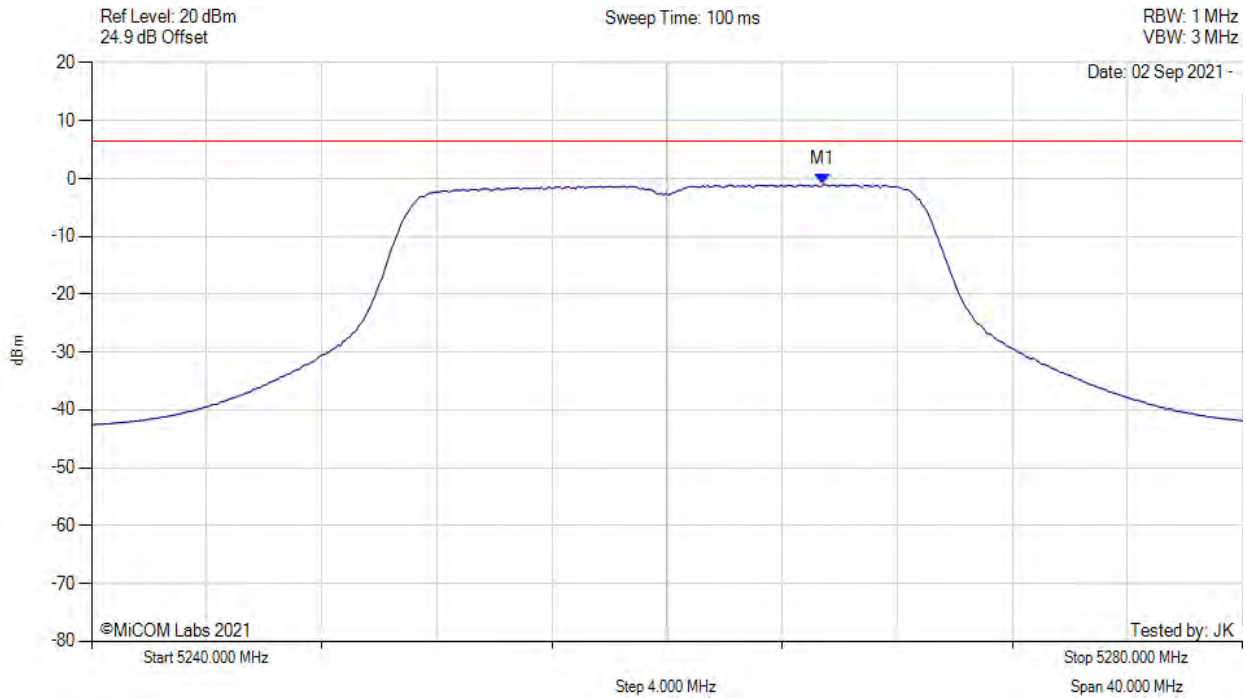
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5316.300 MHz : -4.330 dBm M1 + DCCF : 5316.300 MHz : -3.479 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: $\leq 9.5$ dBm Margin: -13.0 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



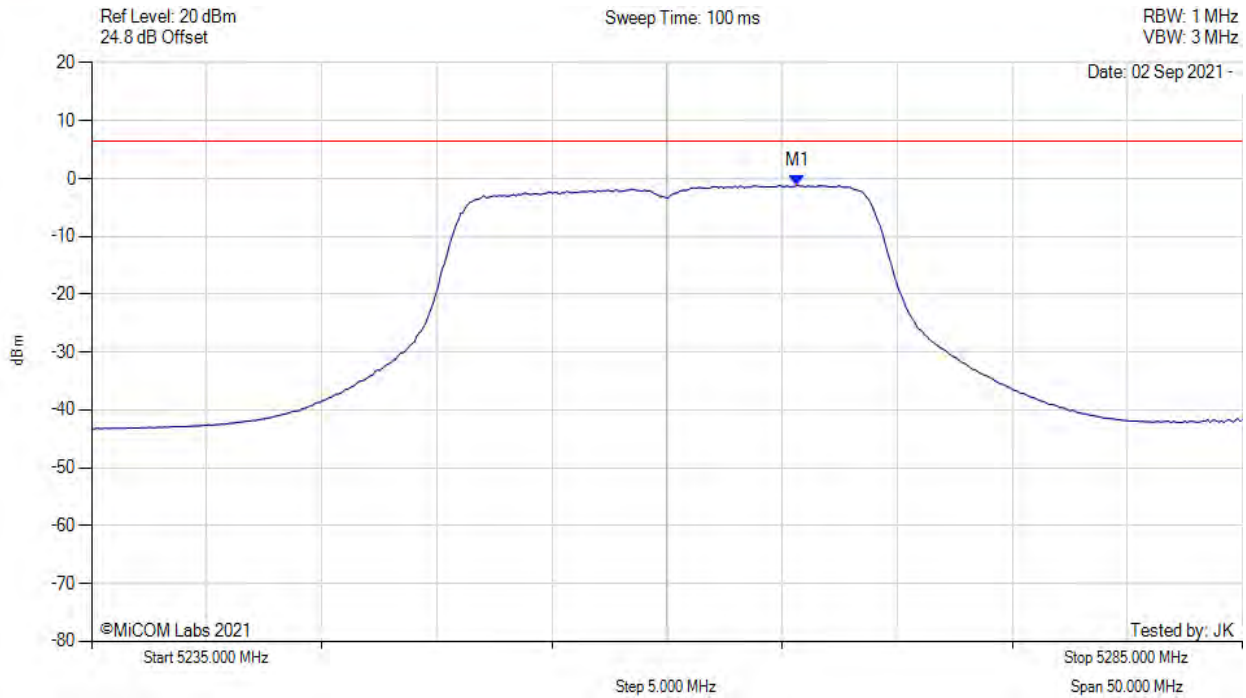
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.411 MHz : -1.040 dBm	Limit: $\leq 6.490$ dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



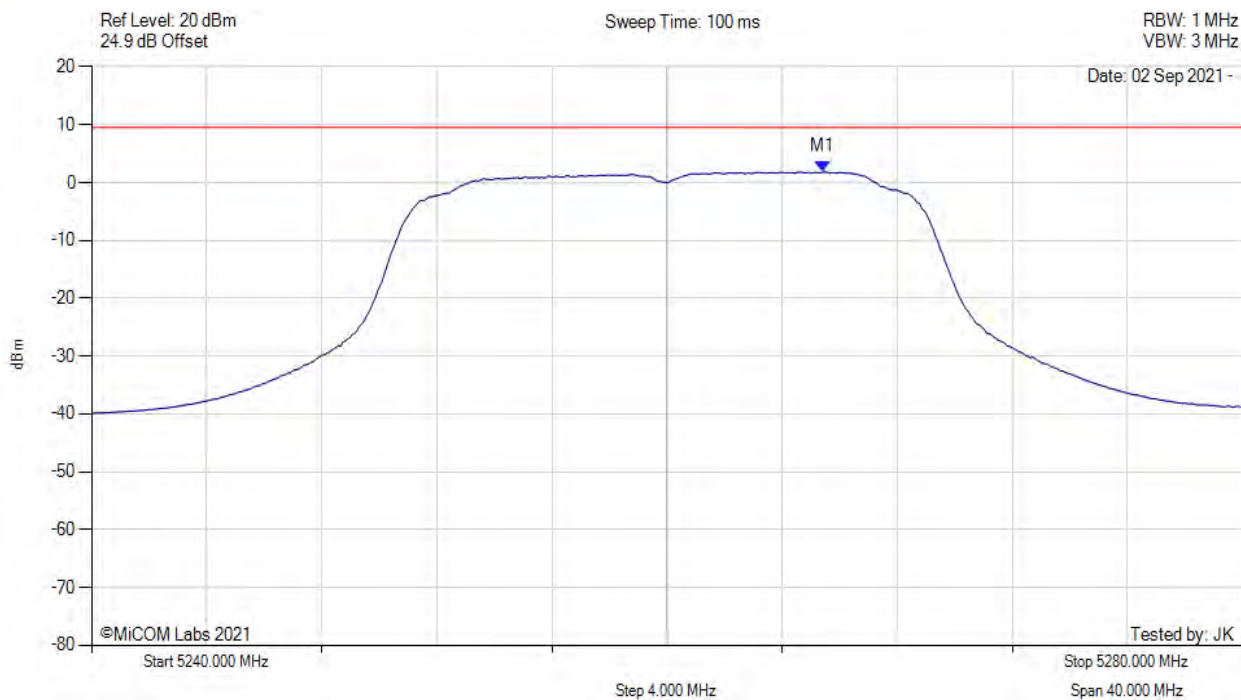
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5265.661 MHz : -1.189 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5260.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



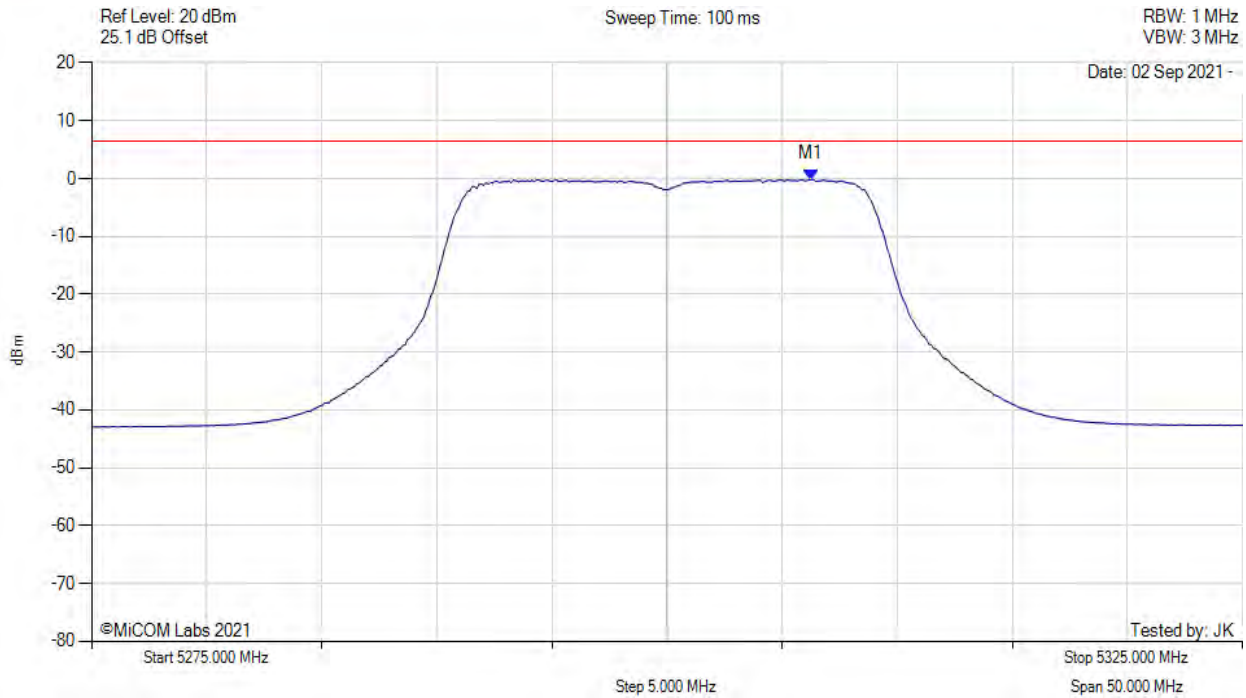
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5266.800 MHz : 1.857 dBm M1 + DCCF : 5266.800 MHz : 2.126 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: $\leq 9.5$ dBm Margin: -7.4 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



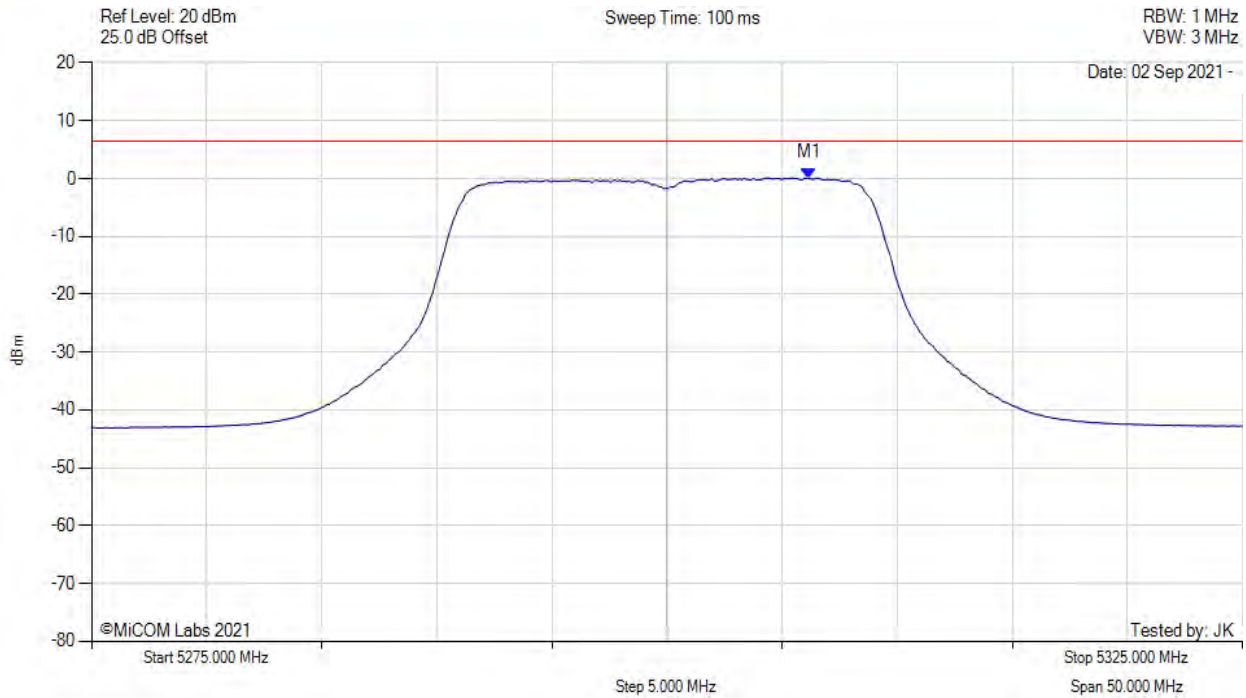
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5306.263 MHz : -0.159 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5306.162 MHz : 0.091 dBm	Channel Frequency: 5300.00 MHz

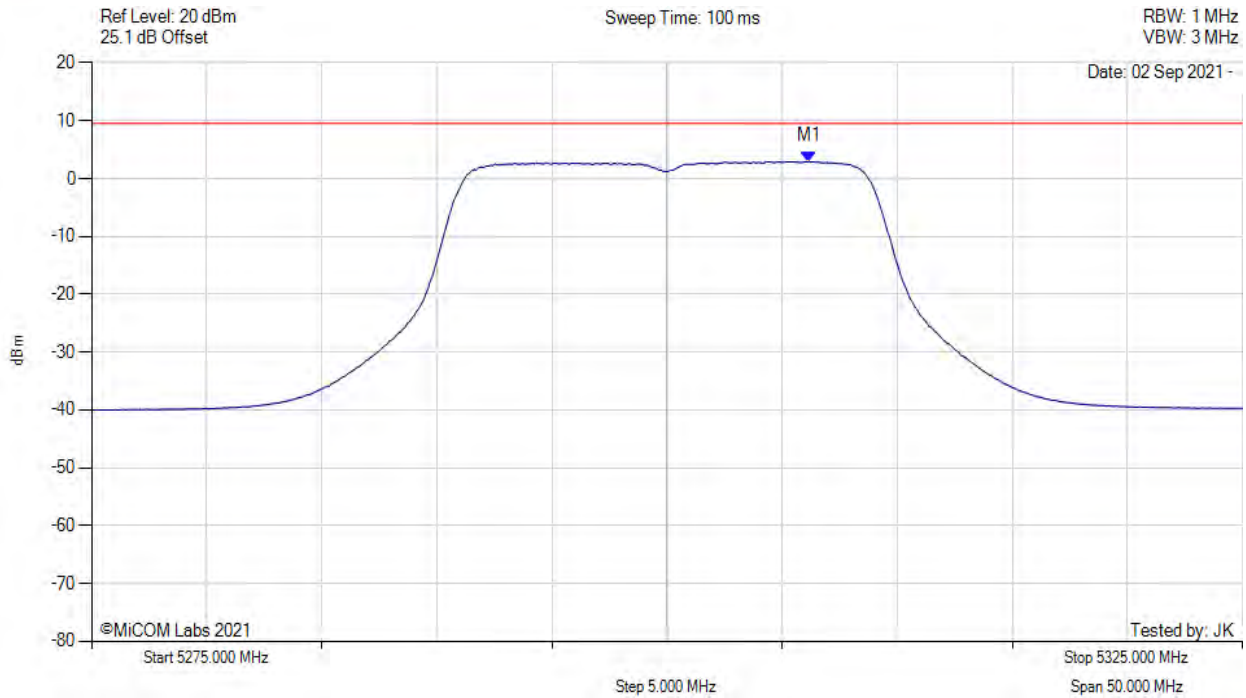
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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



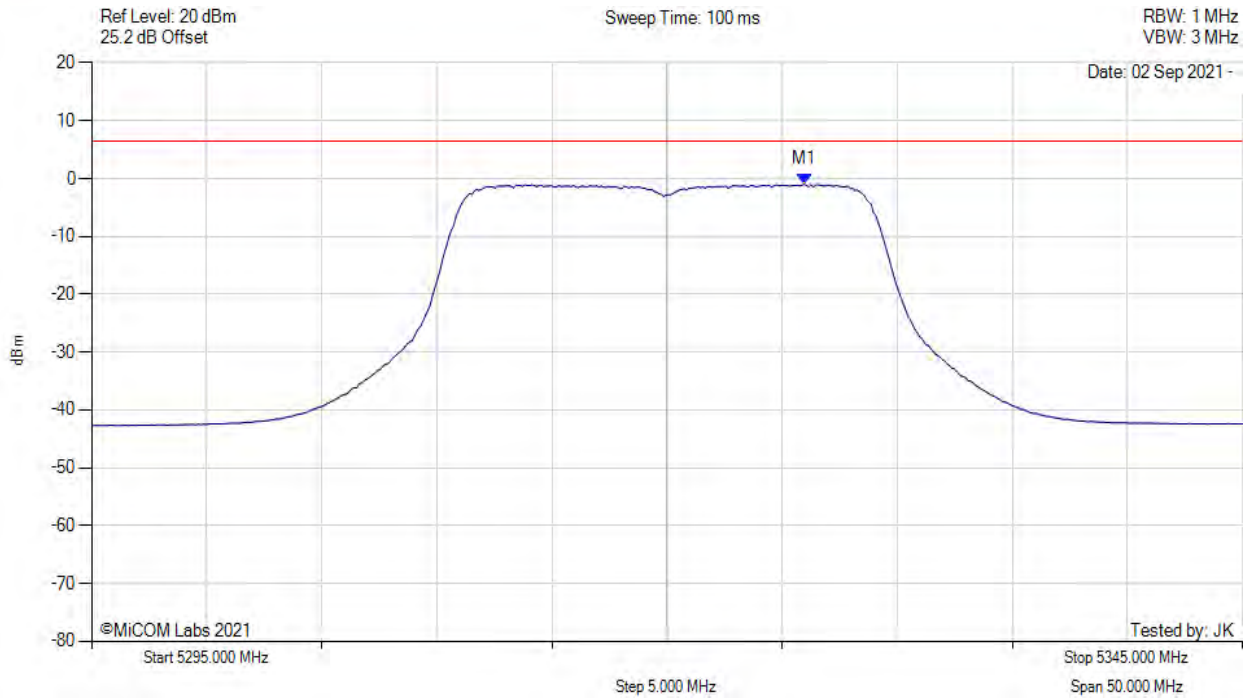
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5306.200 MHz : 2.941 dBm M1 + DCCF : 5306.200 MHz : 3.210 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: $\leq 9.5$ dBm Margin: -6.3 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



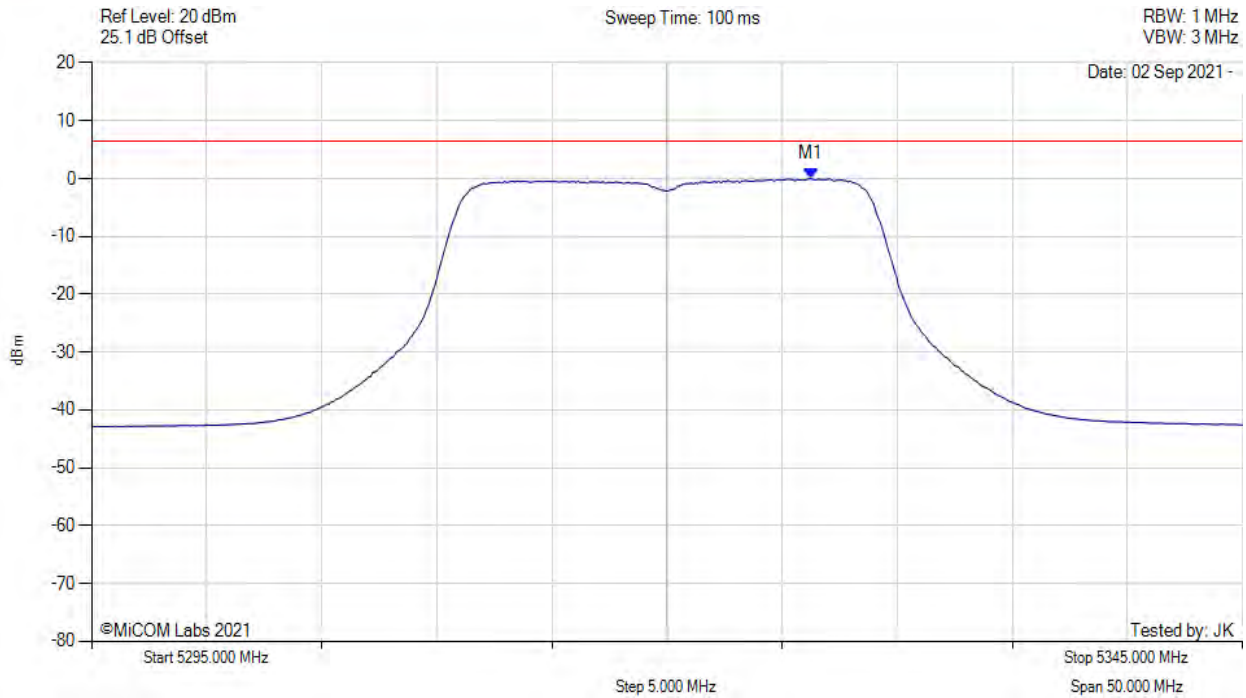
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5325.962 MHz : -0.988 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



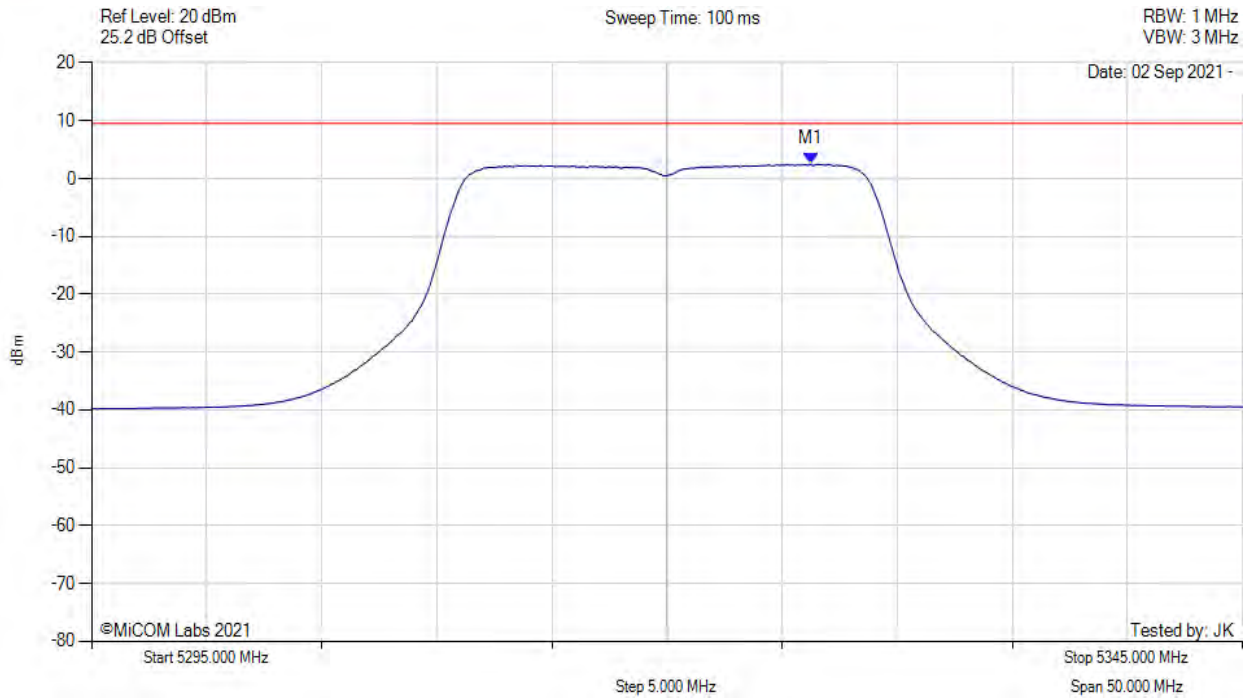
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5326.263 MHz : -0.025 dBm	Limit: $\leq 6.490$ dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



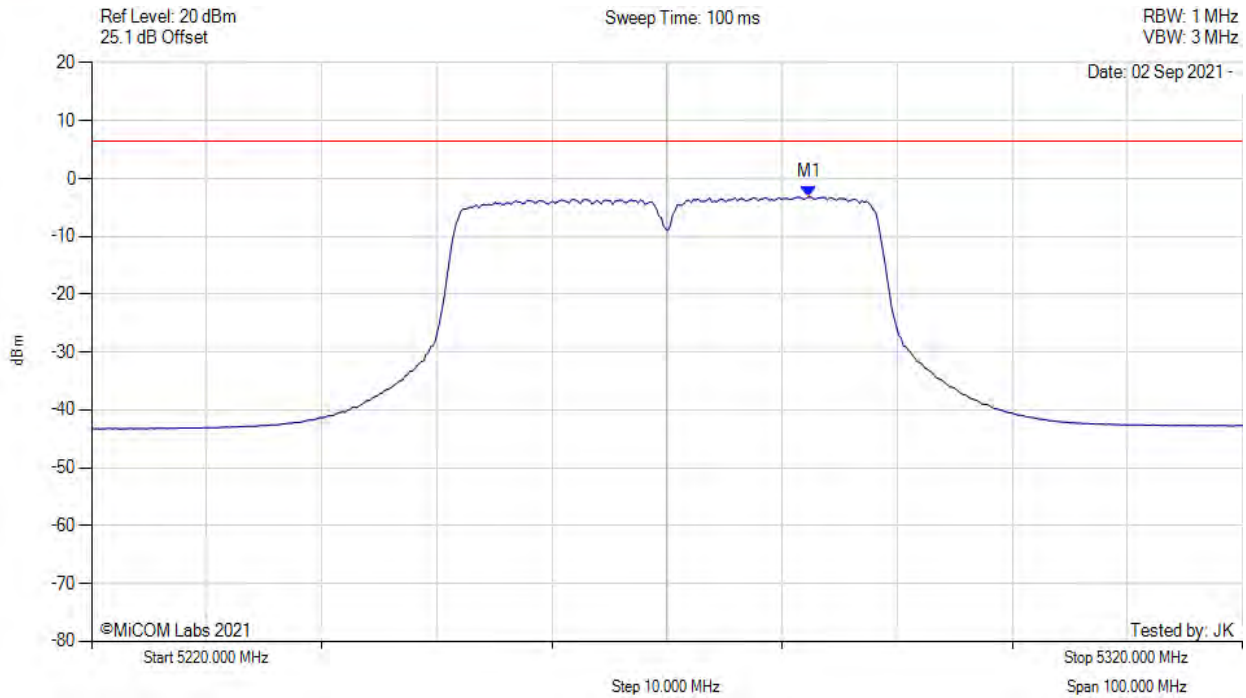
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5326.300 MHz : 2.526 dBm M1 + DCCF : 5326.300 MHz : 2.795 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: $\leq 9.5$ dBm Margin: -6.7 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



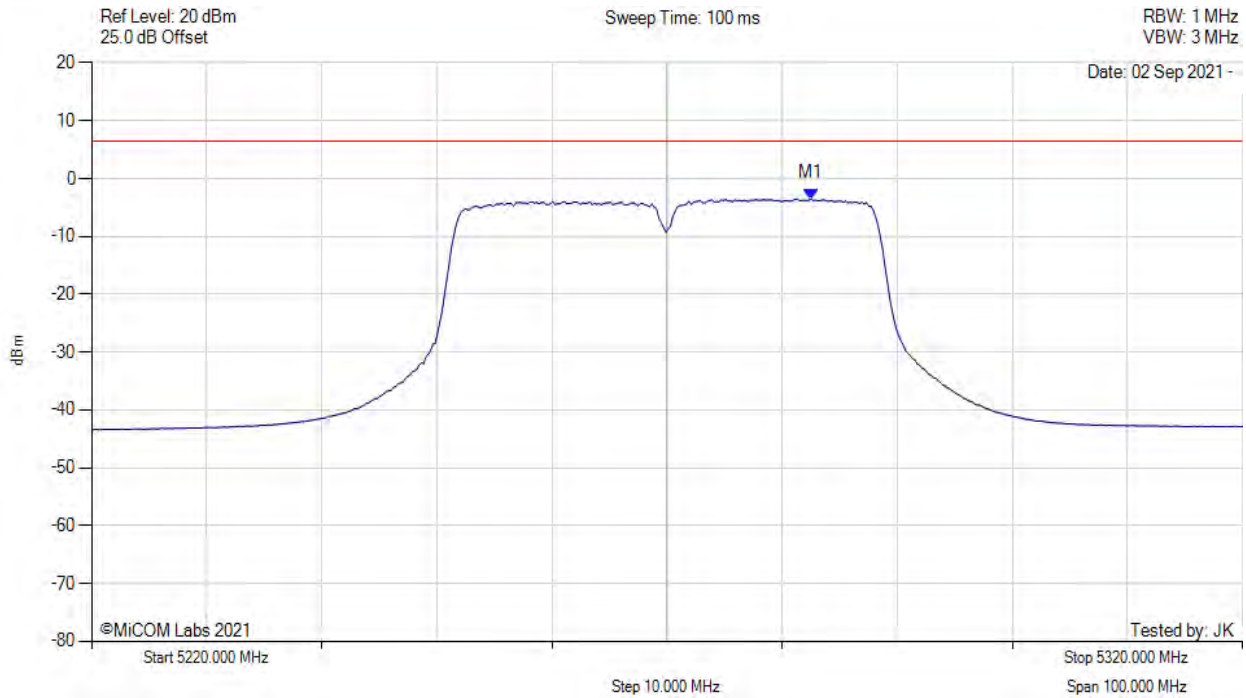
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5282.325 MHz : -3.177 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



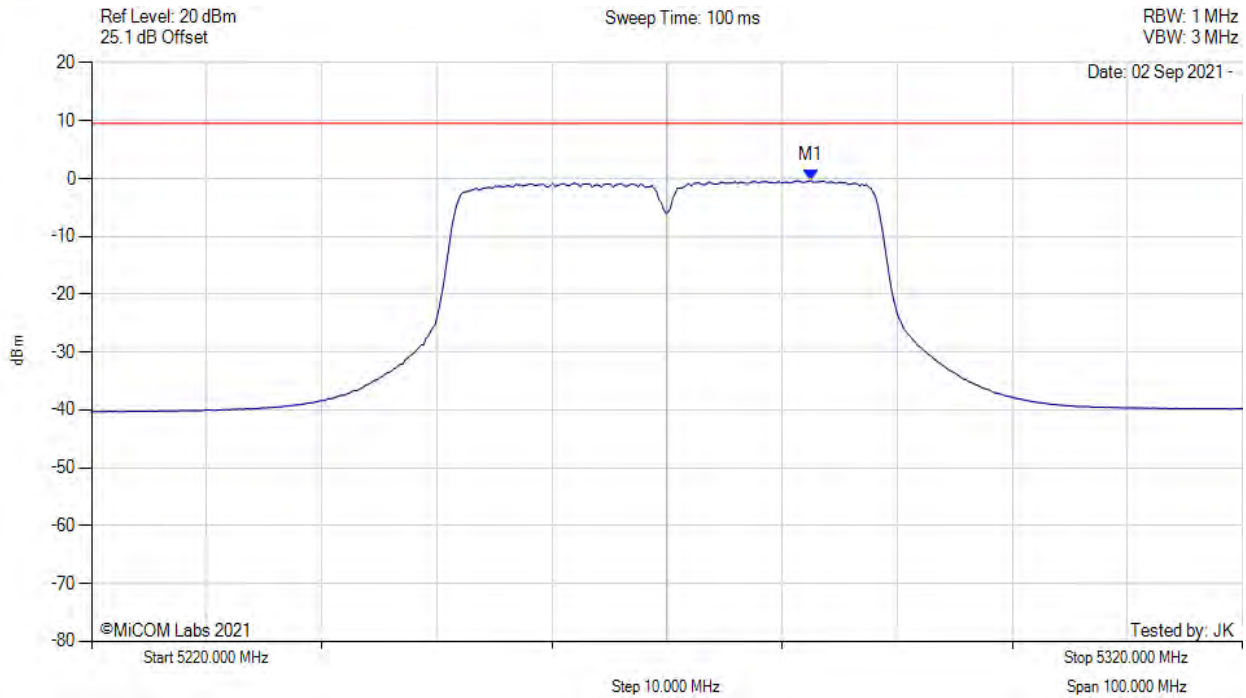
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5282.525 MHz : -3.507 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5270.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



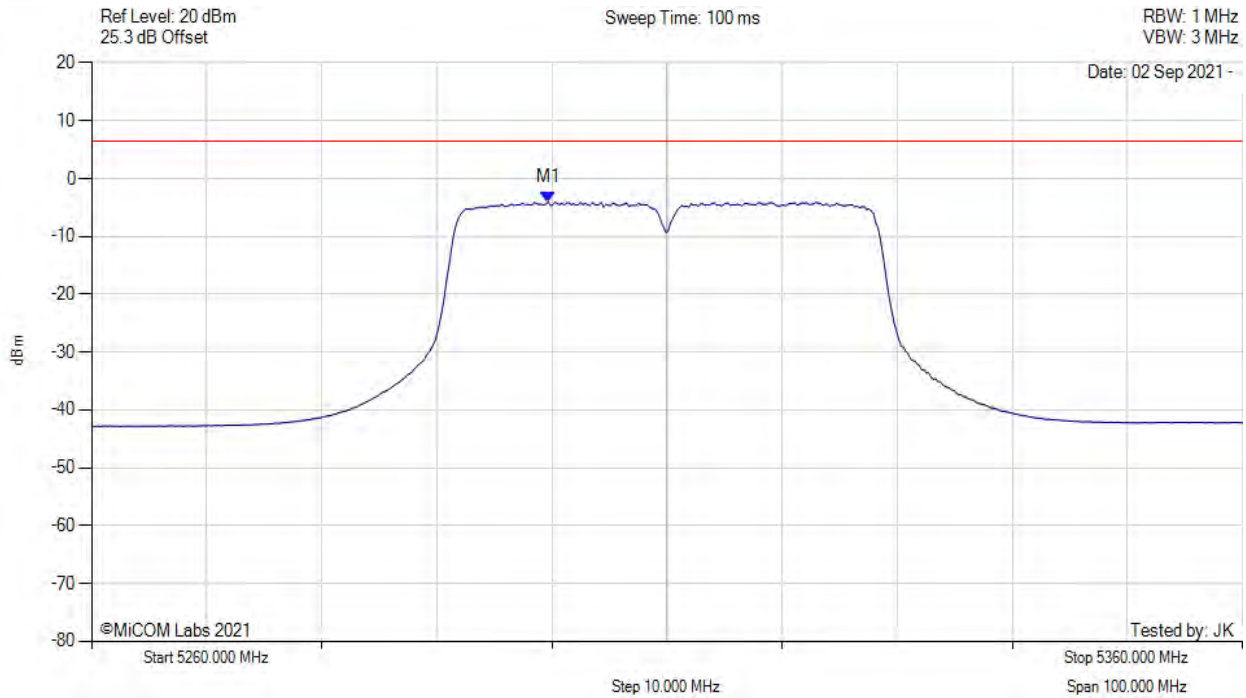
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5282.500 MHz : -0.349 dBm M1 + DCCF : 5282.500 MHz : 0.246 dBm Duty Cycle Correction Factor : +0.6 dB	Limit: $\leq 9.5$ dBm Margin: -9.3 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5299.679 MHz : -4.035 dBm	Limit: ≤ 6.490 dBm

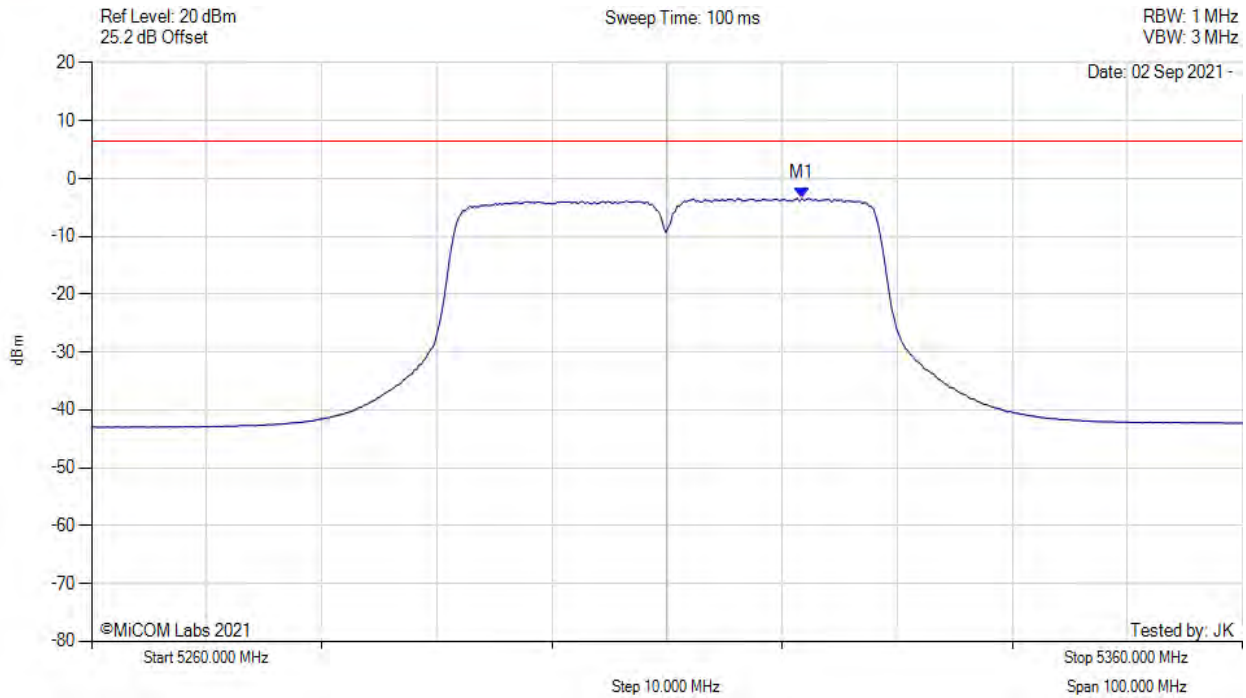
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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



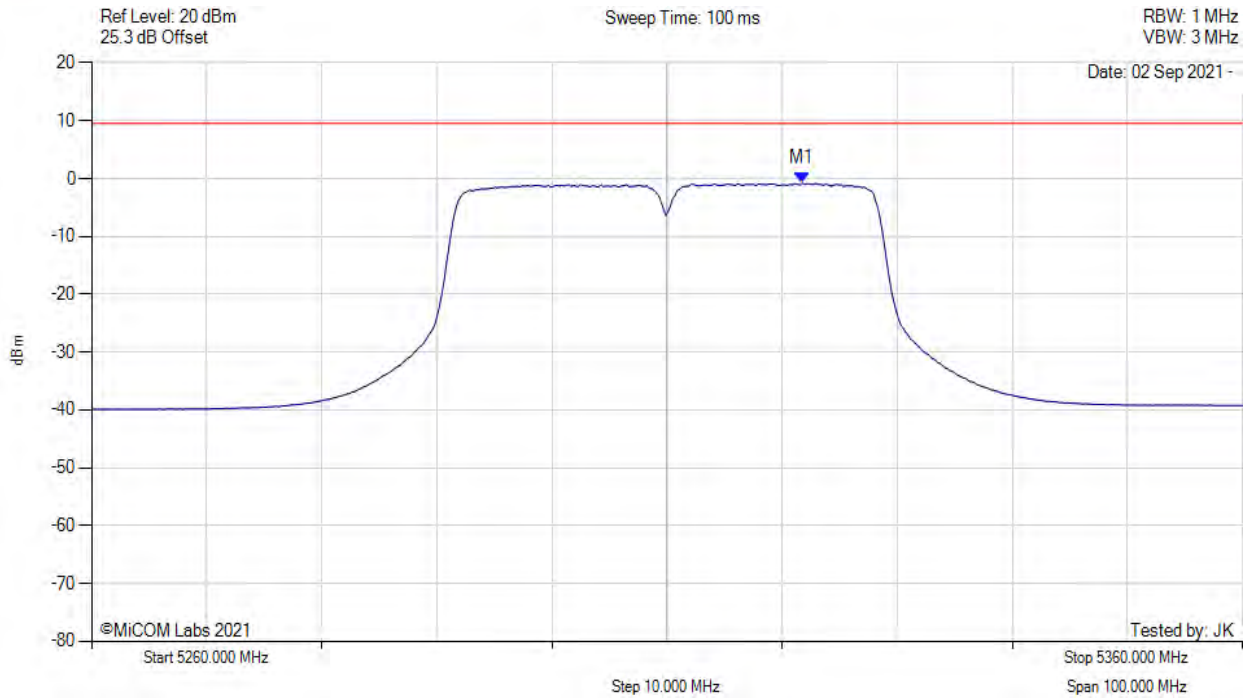
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5321.723 MHz : -3.409 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5310.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



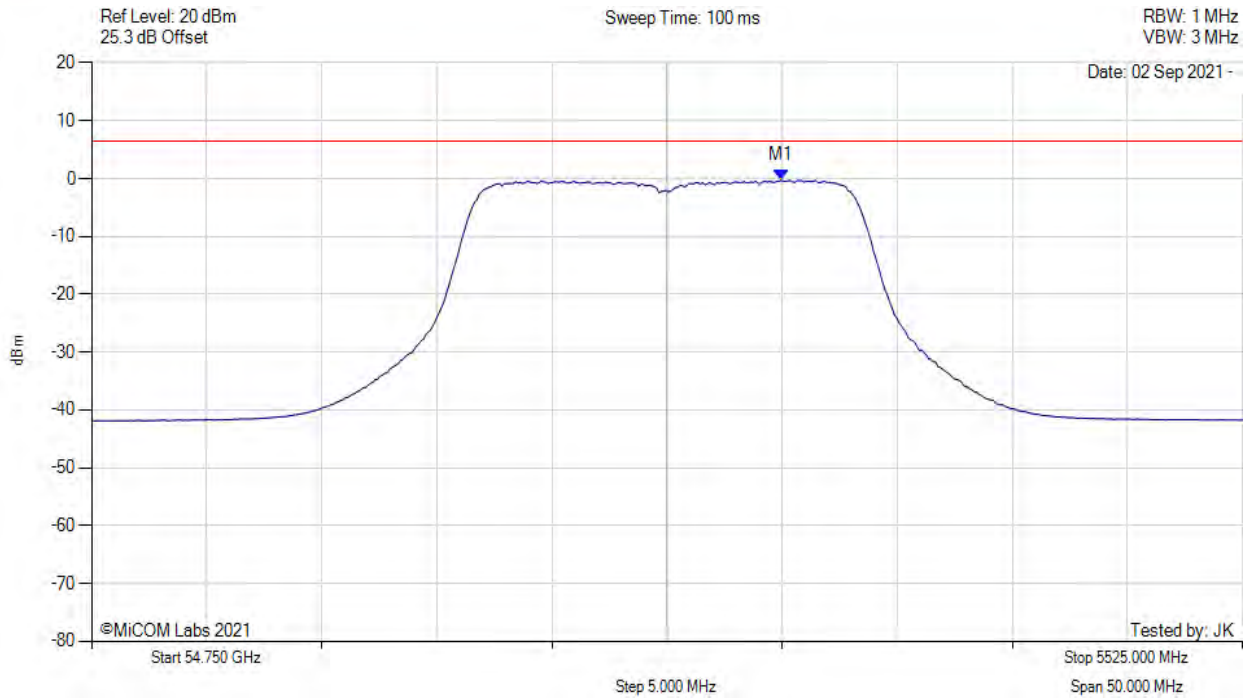
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5321.700 MHz : -0.756 dBm M1 + DCCF : 5321.700 MHz : -0.161 dBm Duty Cycle Correction Factor : +0.6 dB	Limit: $\leq 9.5$ dBm Margin: -9.7 dB

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



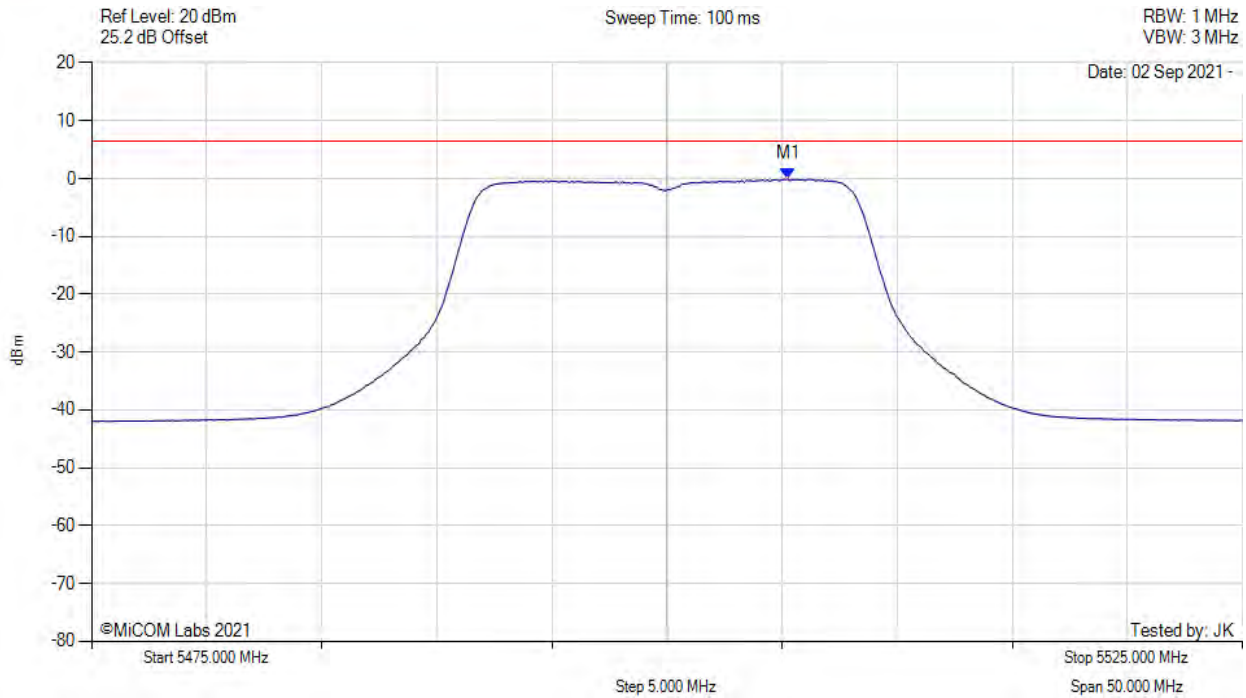
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5504.960 MHz : -0.311 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



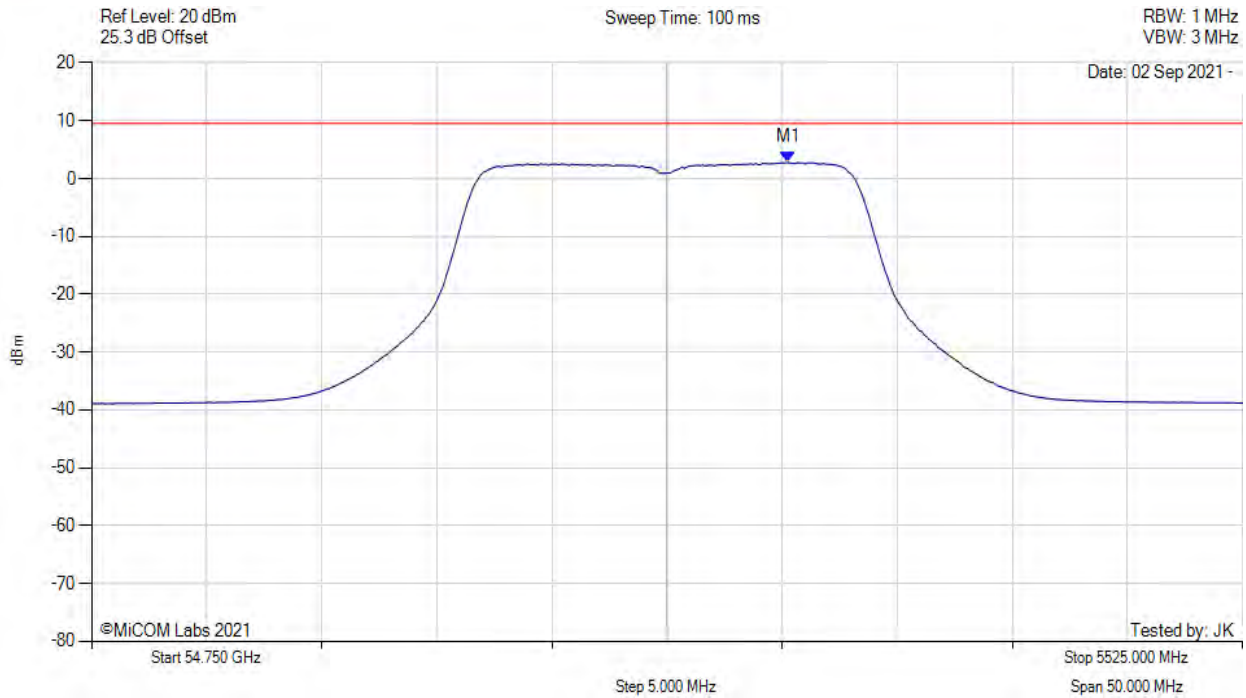
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5505.261 MHz : -0.111 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



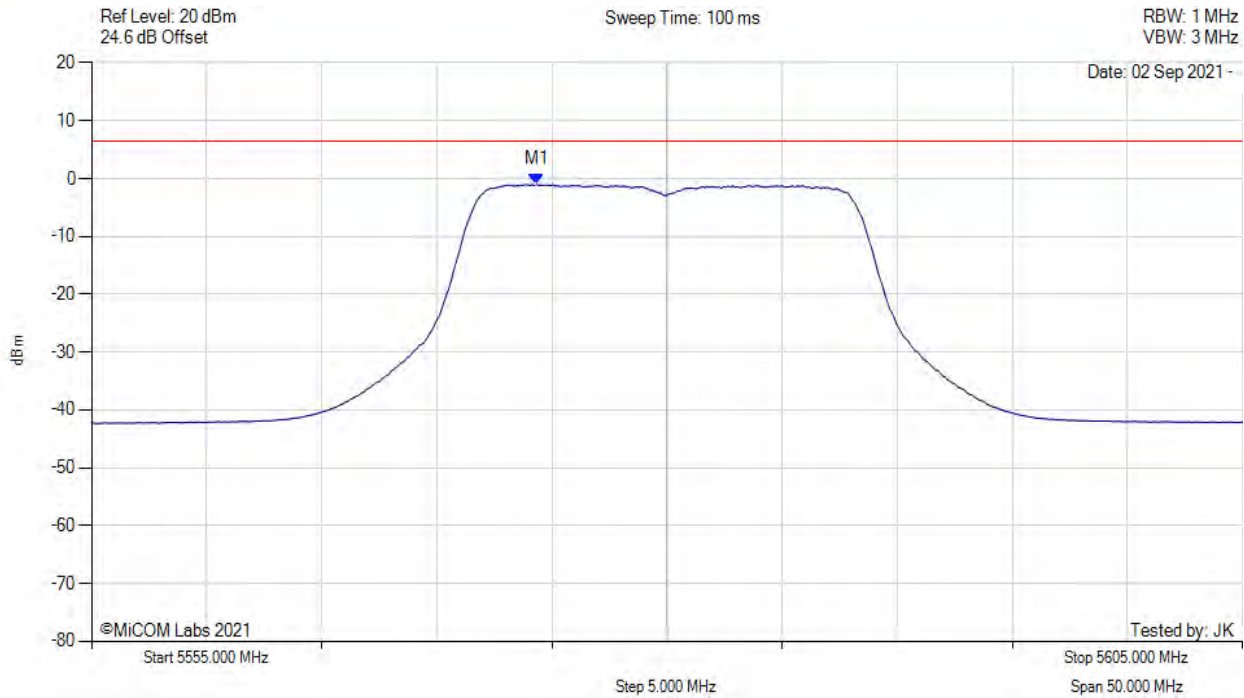
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5505.300 MHz : 2.771 dBm M1 + DCCF : 5505.300 MHz : 2.885 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: $\leq 9.5$ dBm Margin: -6.6 dB

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



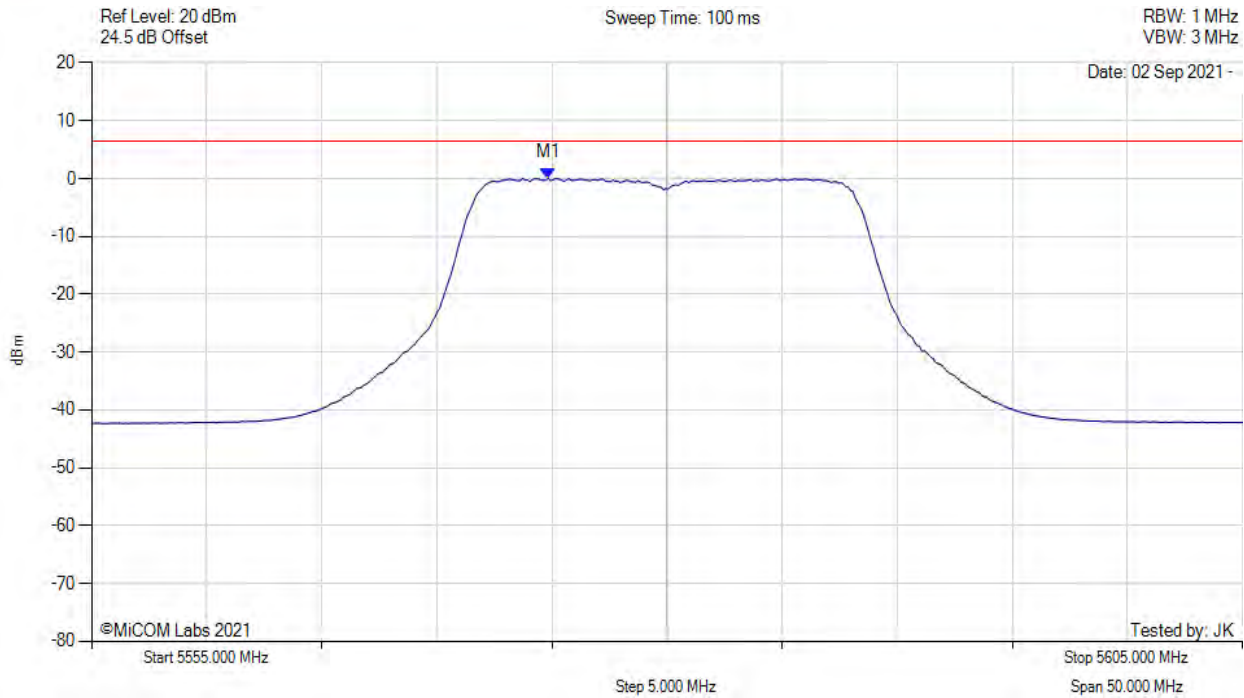
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5574.339 MHz : -0.996 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



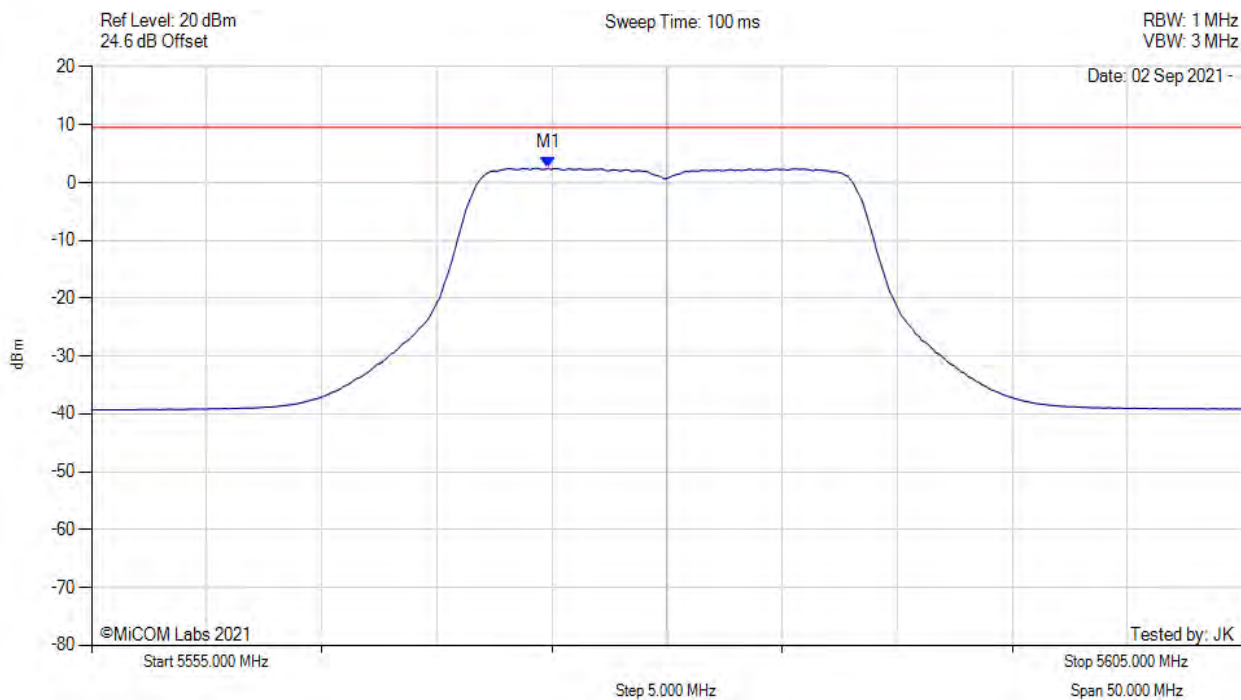
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5574.840 MHz : 0.085 dBm	Channel Frequency: 5580.00 MHz

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5574.800 MHz : 2.517 dBm M1 + DCCF : 5574.800 MHz : 2.631 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: $\leq 9.5$ dBm Margin: -6.9 dB

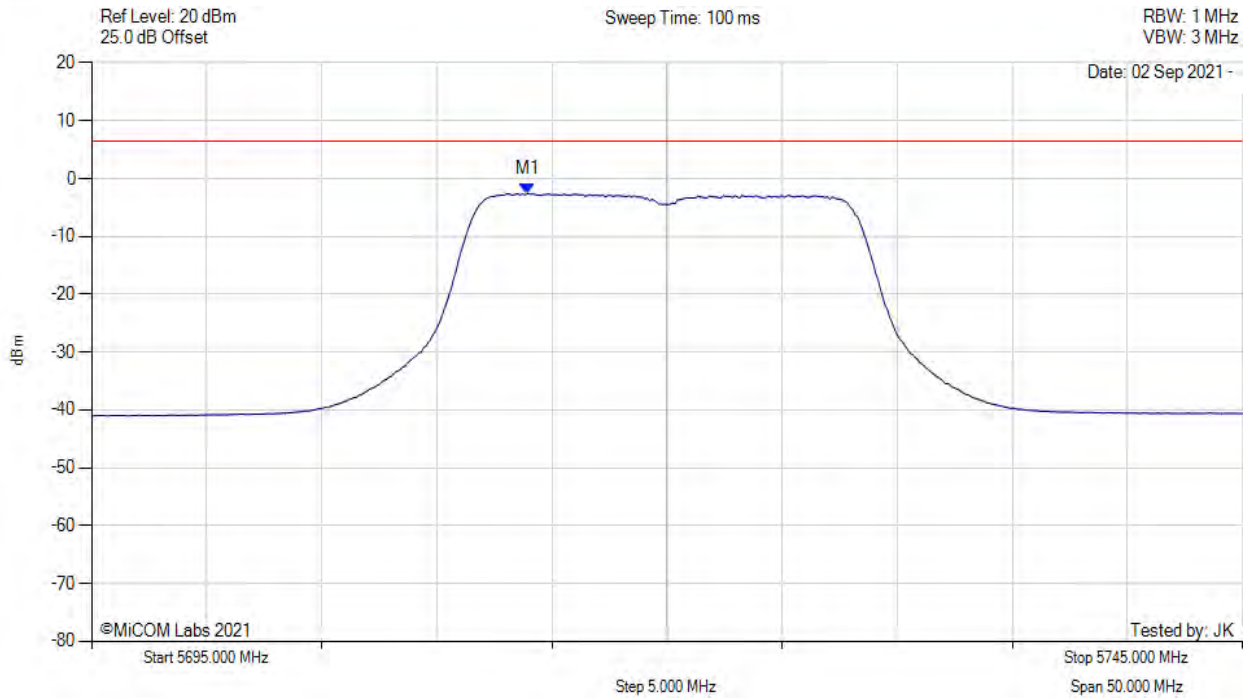
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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



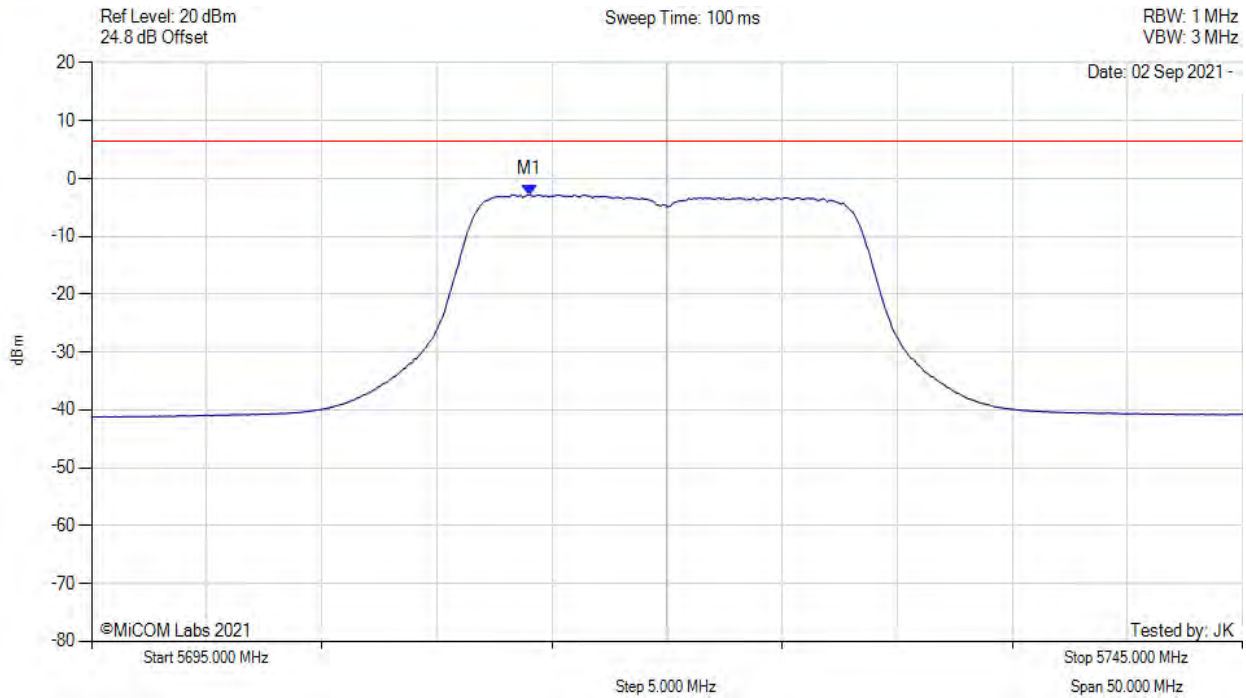
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.938 MHz : -2.611 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5720.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



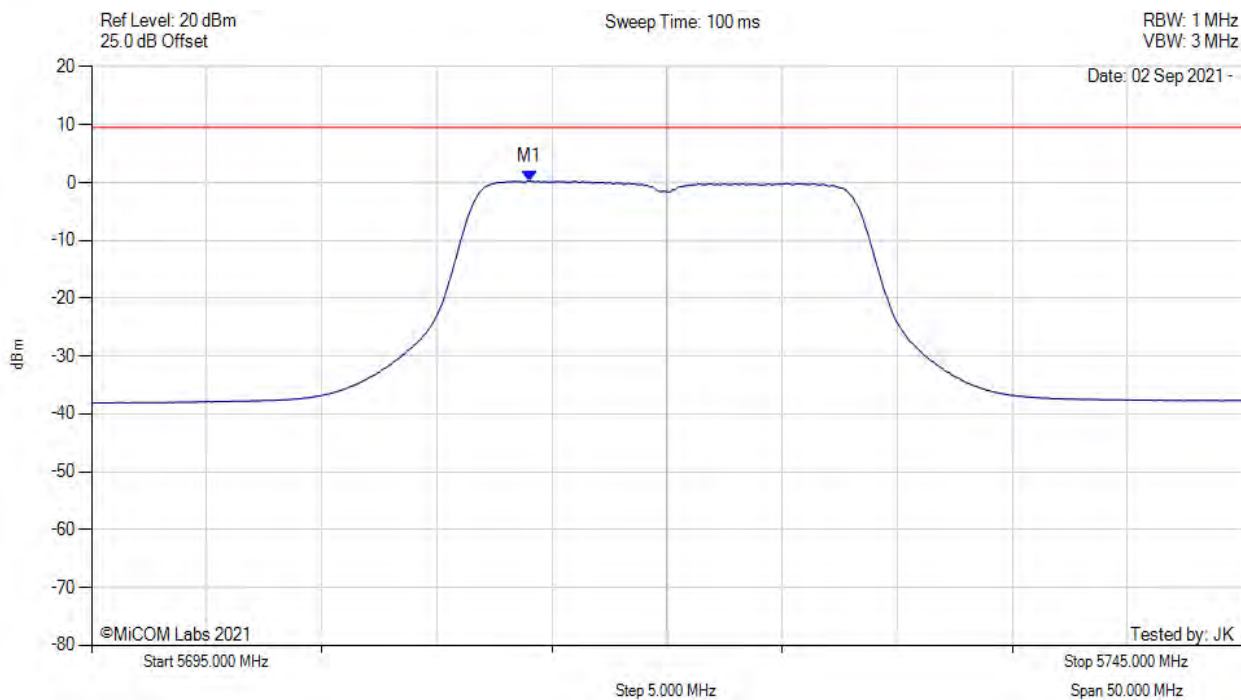
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5714.038 MHz : -2.785 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11a, Channel: 5720.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



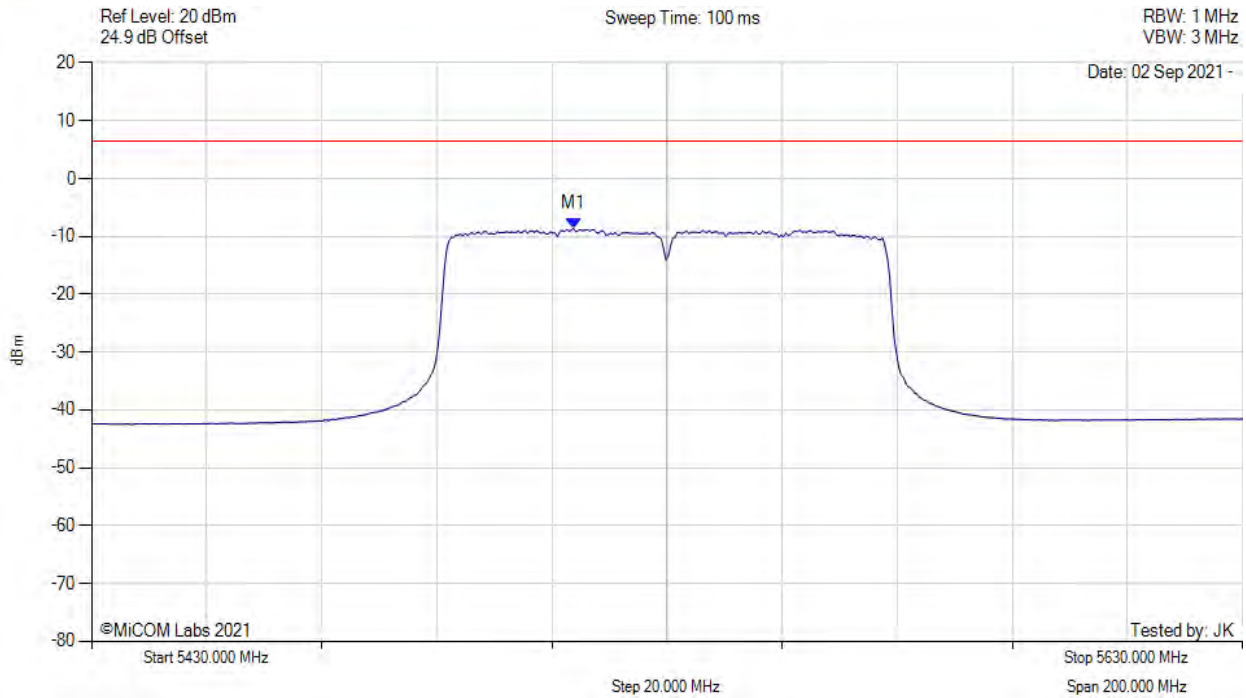
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5714.000 MHz : 0.274 dBm M1 + DCCF : 5714.000 MHz : 0.388 dBm Duty Cycle Correction Factor : +0.13 dB	Limit: $\leq 9.5$ dBm Margin: -9.1 dB

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



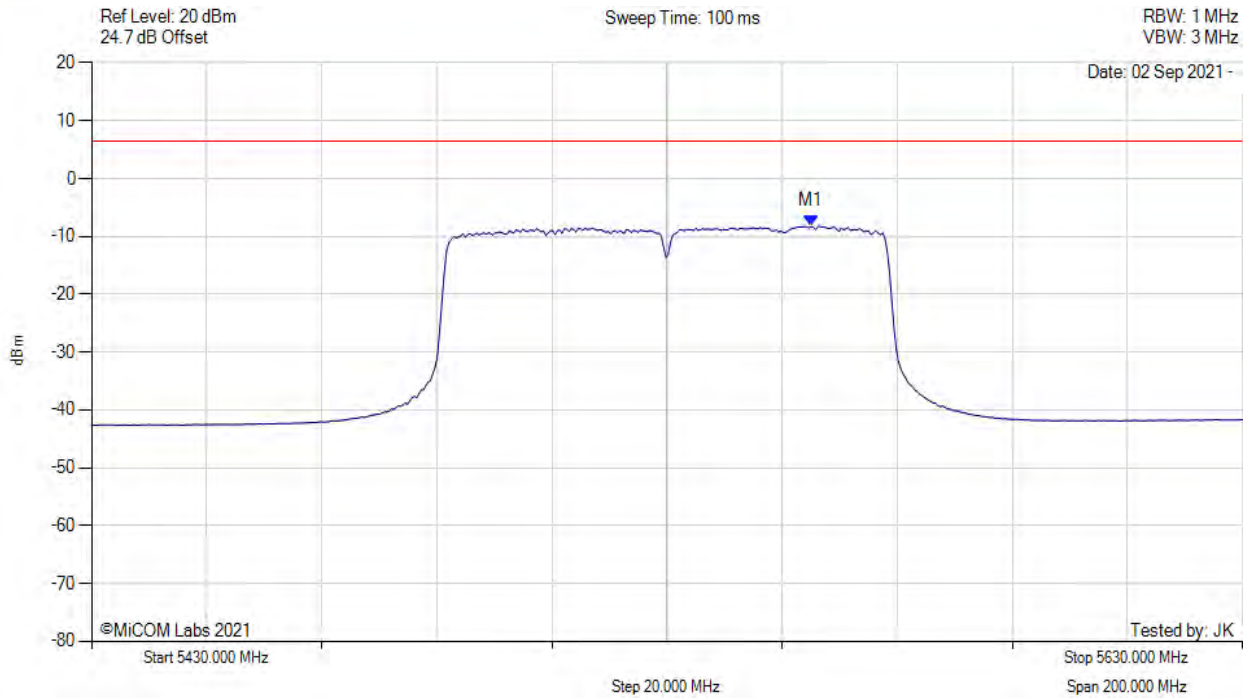
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5513.768 MHz : -8.576 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



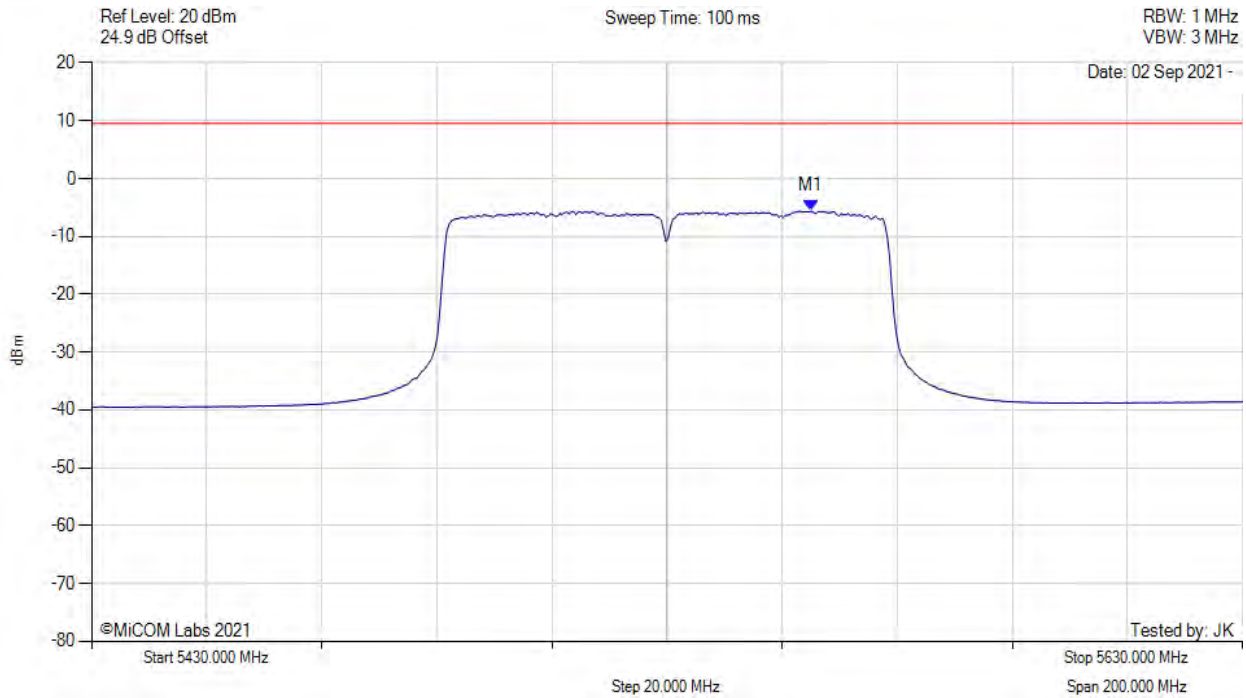
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5555.050 MHz : -8.278 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5530.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



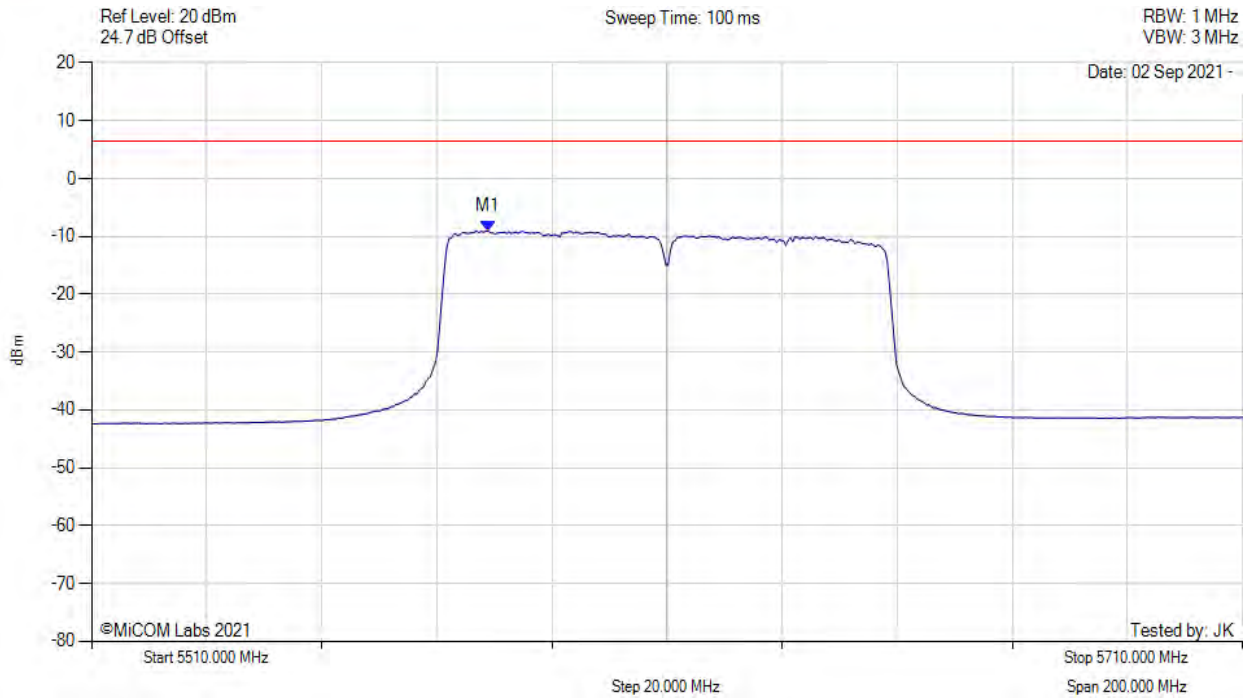
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5555.100 MHz : -5.611 dBm M1 + DCCF : 5555.100 MHz : -4.760 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: $\leq 9.5$ dBm Margin: -14.3 dB

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



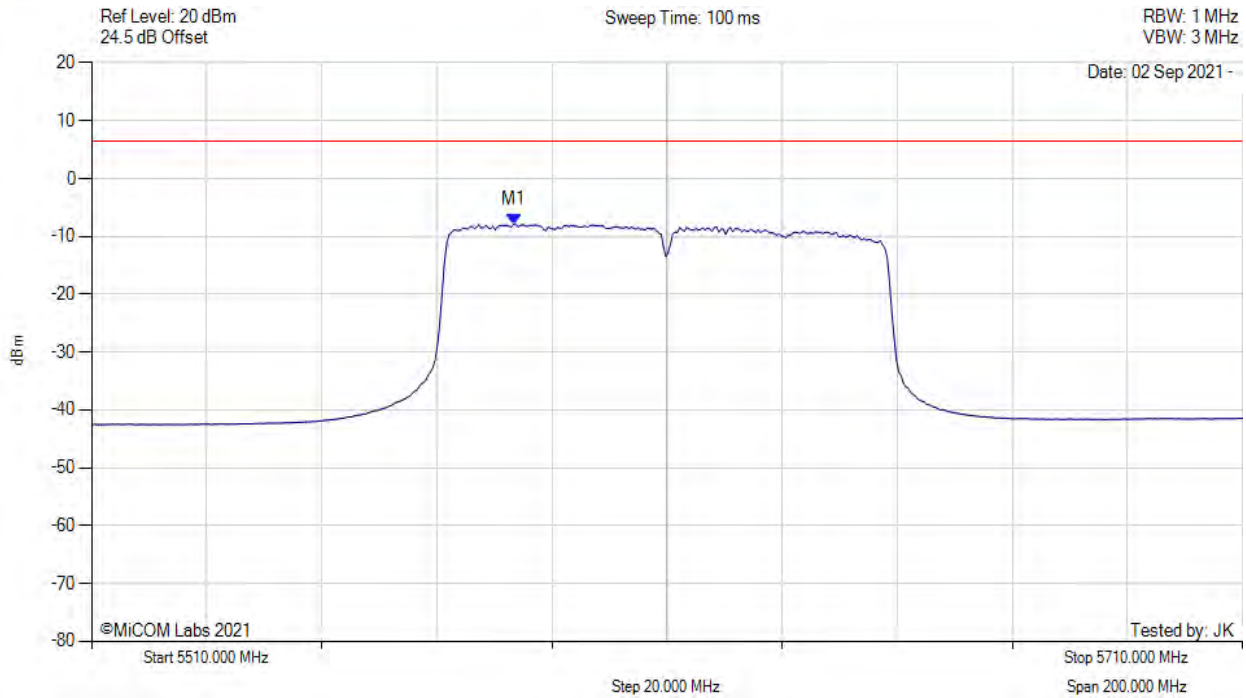
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5578.938 MHz : -9.050 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5583.347 MHz : -7.900 dBm	Channel Frequency: 5610.00 MHz

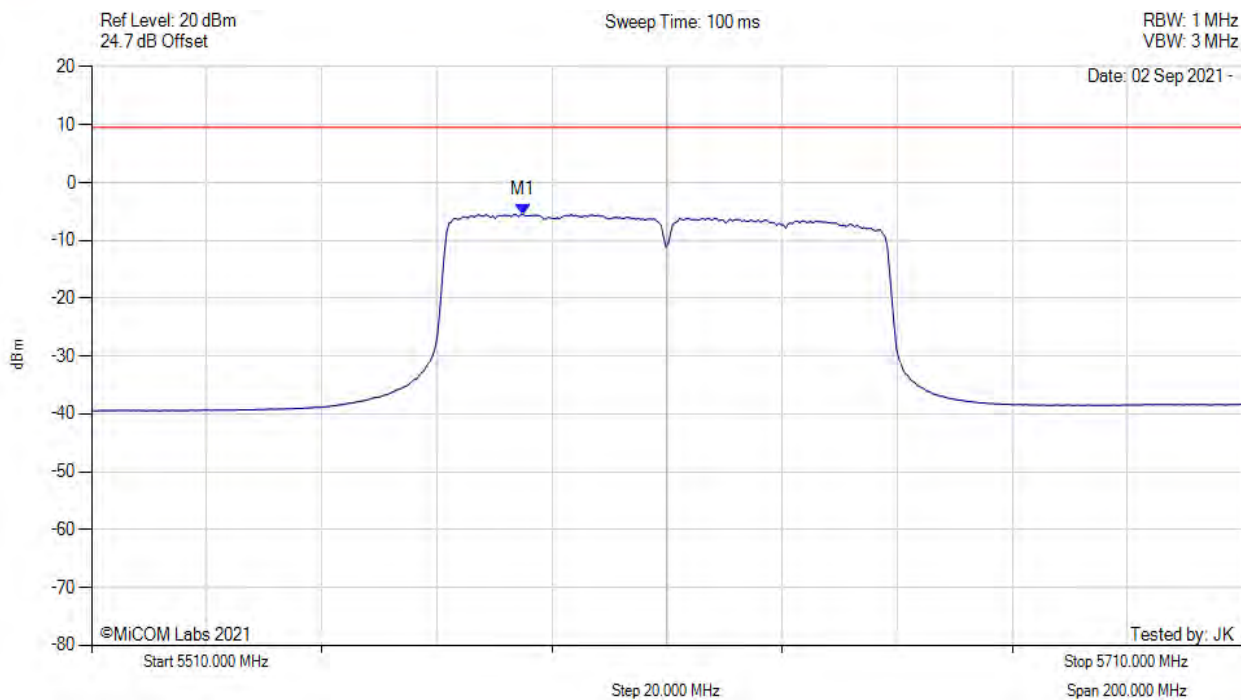
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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5610.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



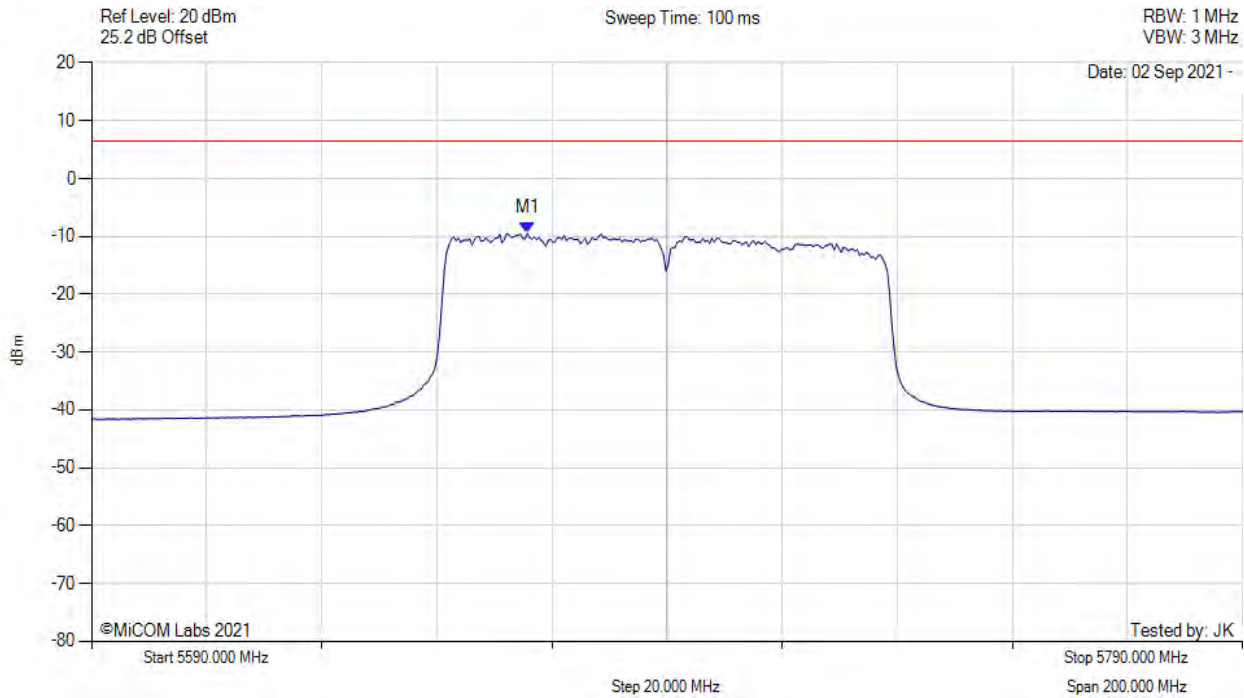
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5584.900 MHz : -5.509 dBm M1 + DCCF : 5584.900 MHz : -4.658 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: $\leq 9.5$ dBm Margin: -14.2 dB

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



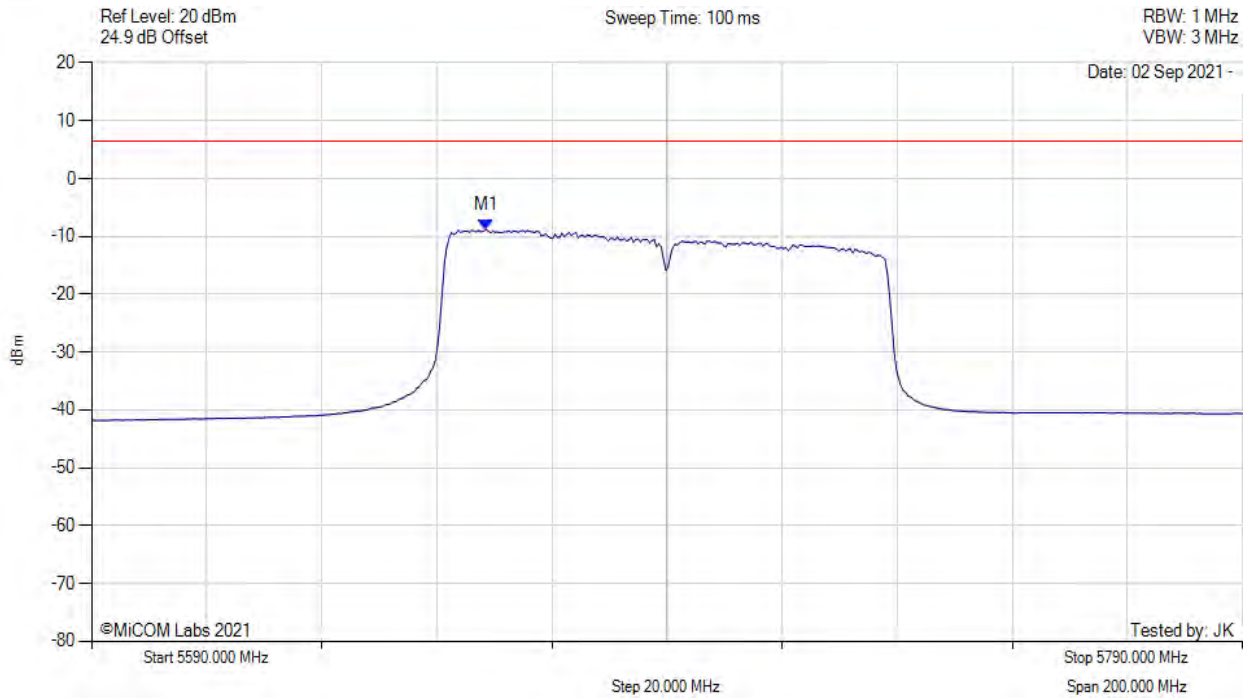
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5665.752 MHz : -9.462 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



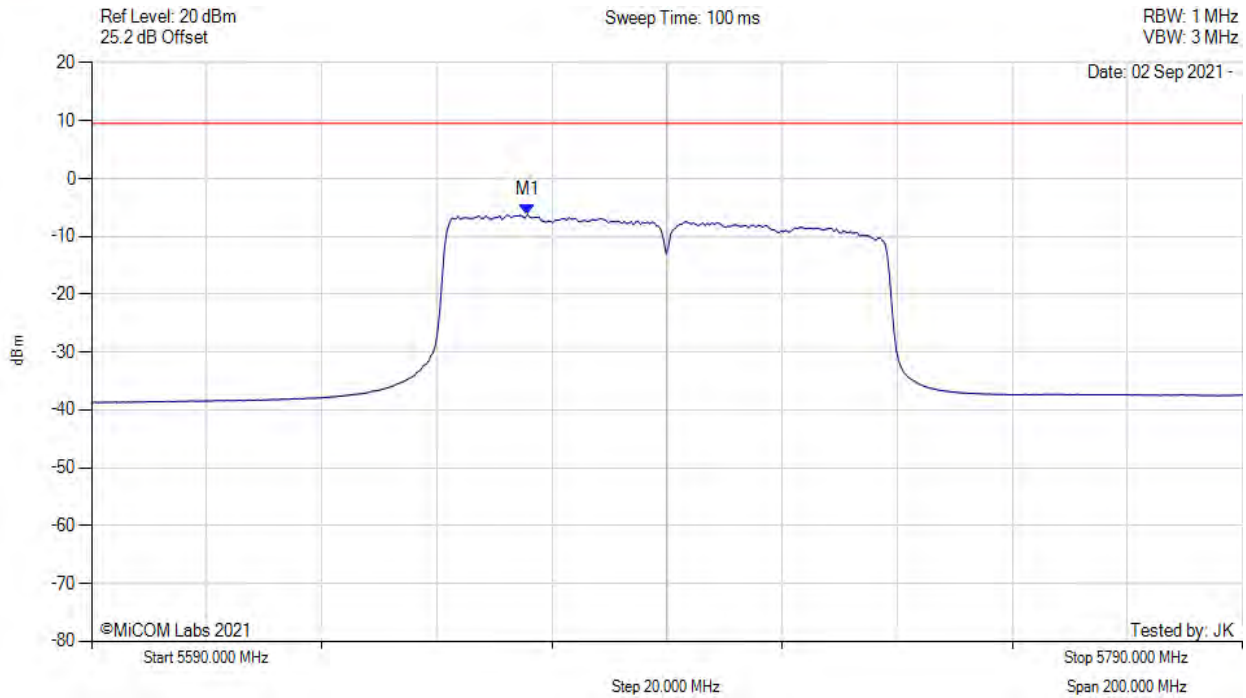
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5658.537 MHz : -8.804 dBm	Limit: $\leq 6.490$ dBm

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POWER SPECTRAL DENSITY



Variant: 802.11ac-80, Channel: 5690.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



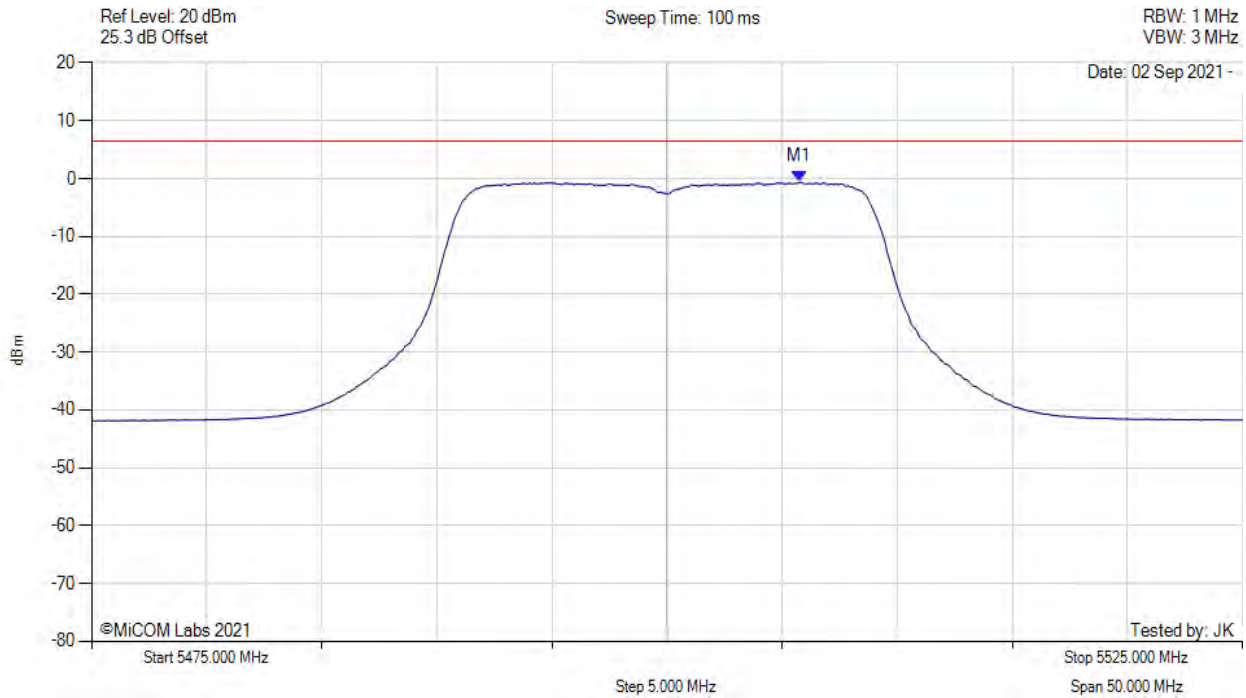
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5665.800 MHz : -6.200 dBm M1 + DCCF : 5665.800 MHz : -5.349 dBm Duty Cycle Correction Factor : +0.86 dB	Limit: $\leq 9.5$ dBm Margin: -14.9 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



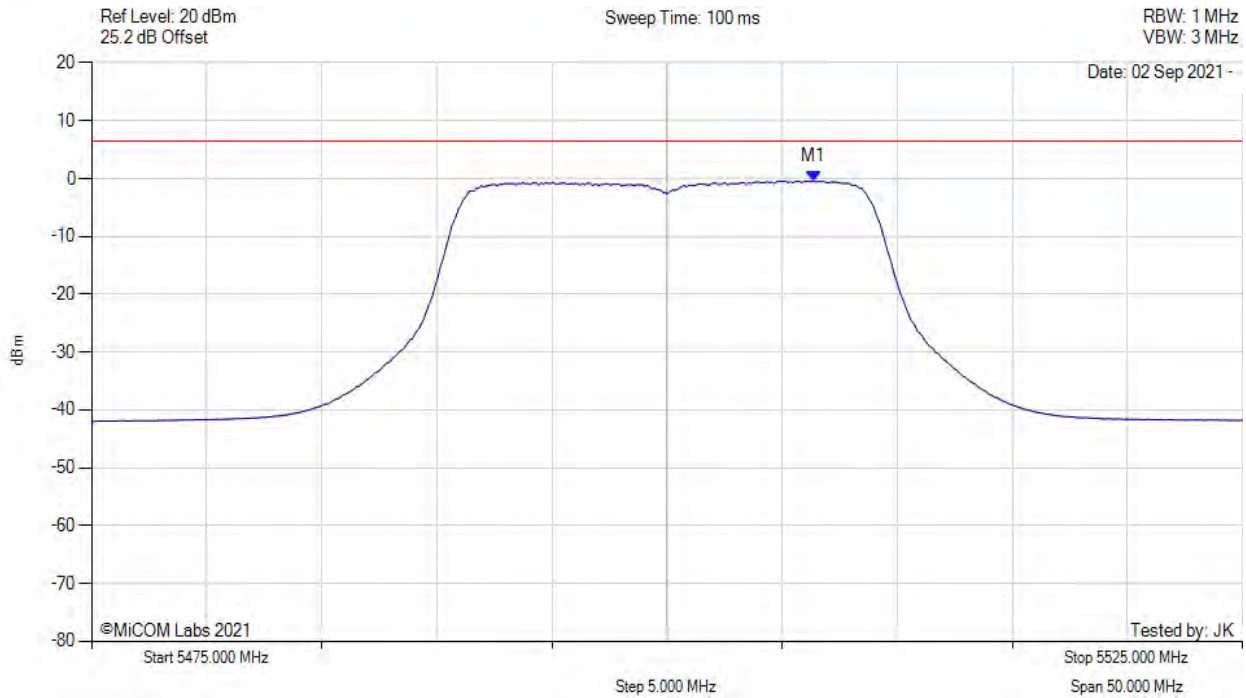
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5505.762 MHz : -0.622 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



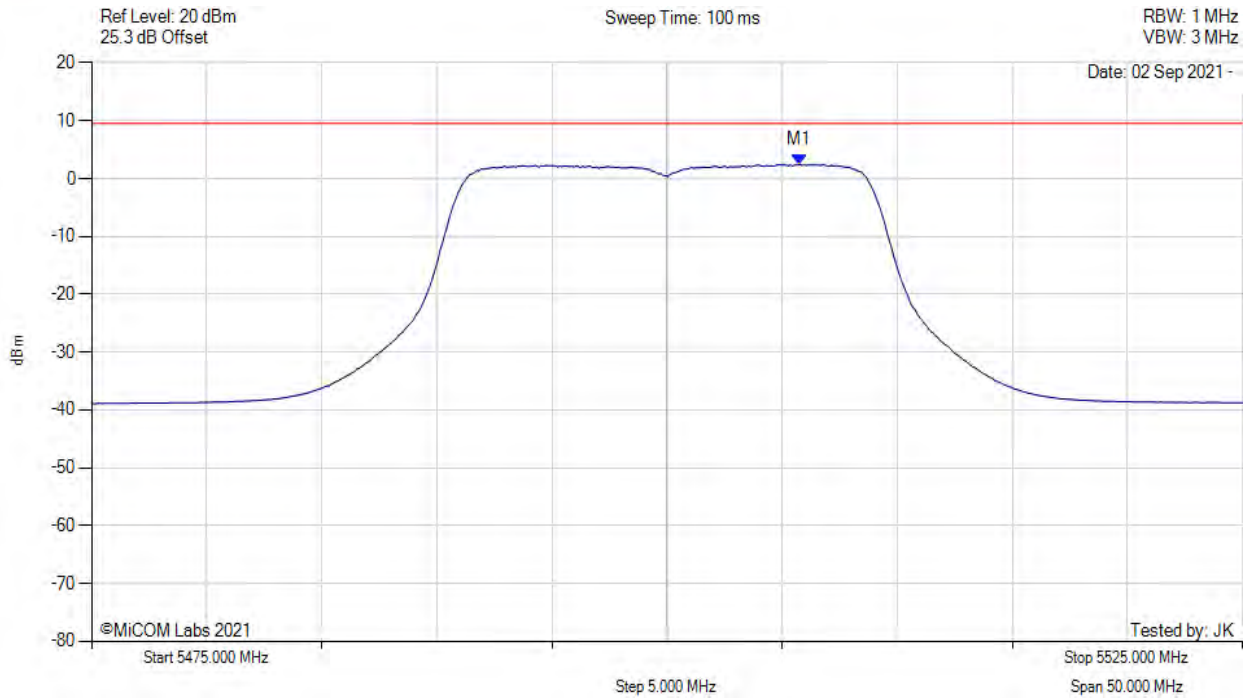
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5506.363 MHz : -0.415 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



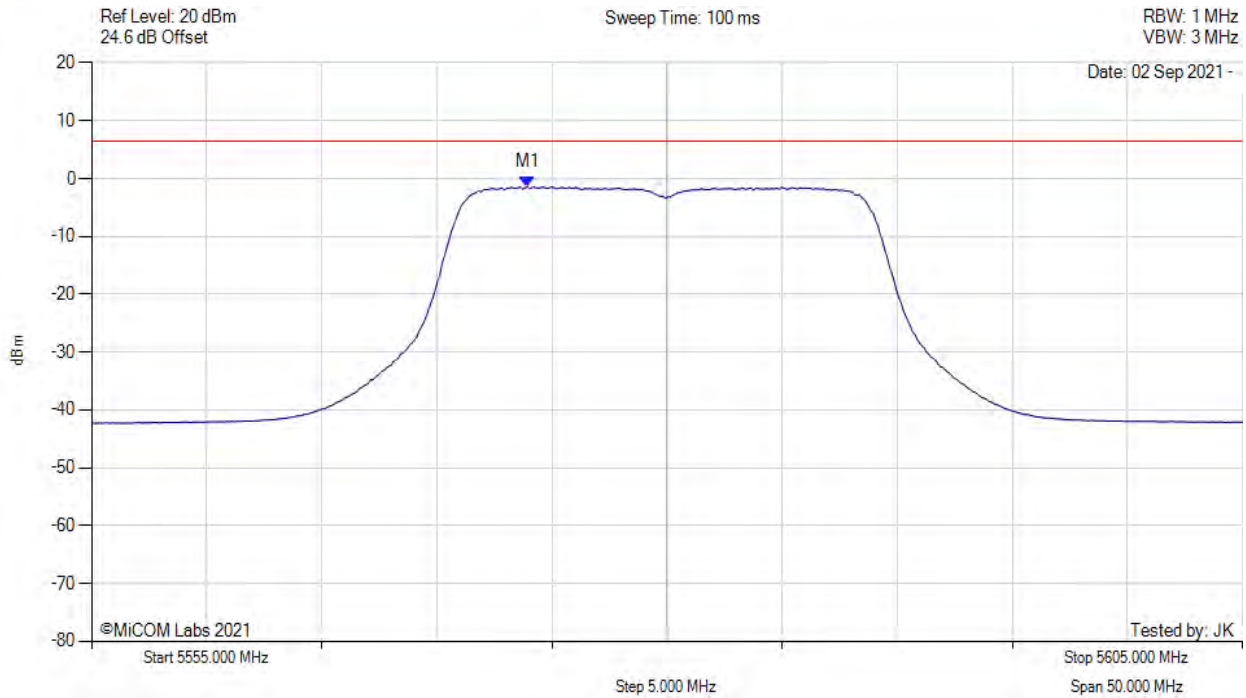
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5505.800 MHz : 2.454 dBm M1 + DCCF : 5505.800 MHz : 2.723 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: $\leq 9.5$ dBm Margin: -6.8 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.938 MHz : -1.441 dBm	Limit: ≤ 6.490 dBm

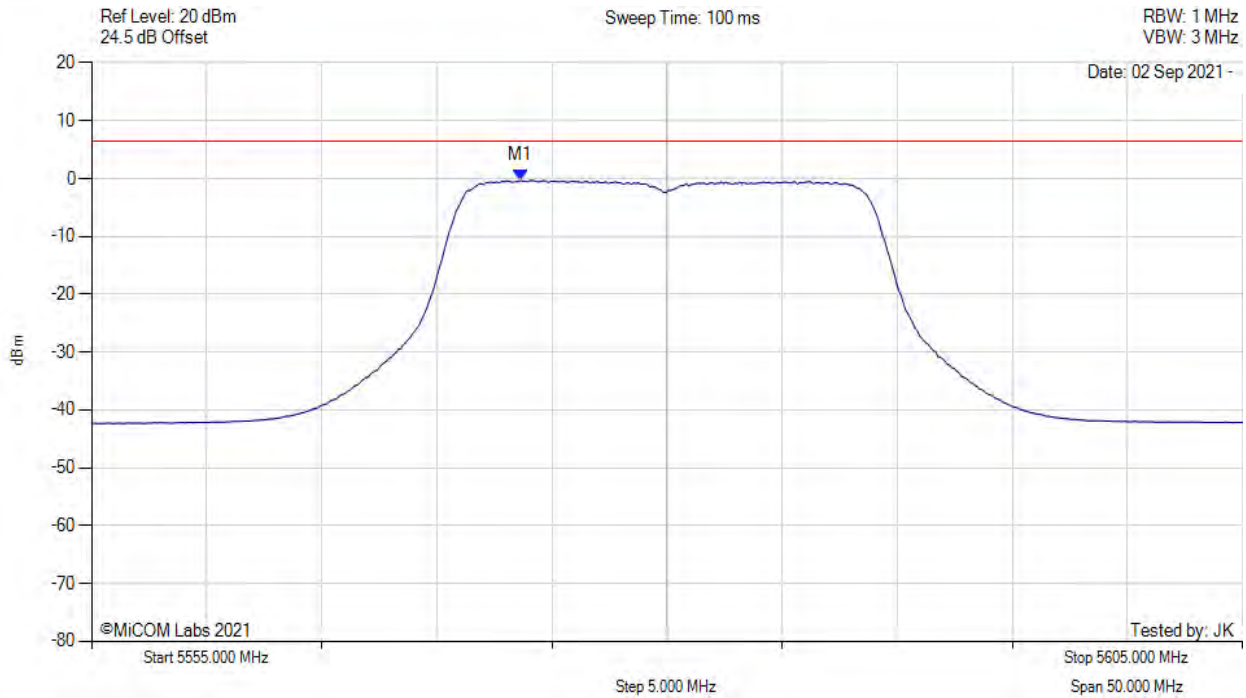
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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



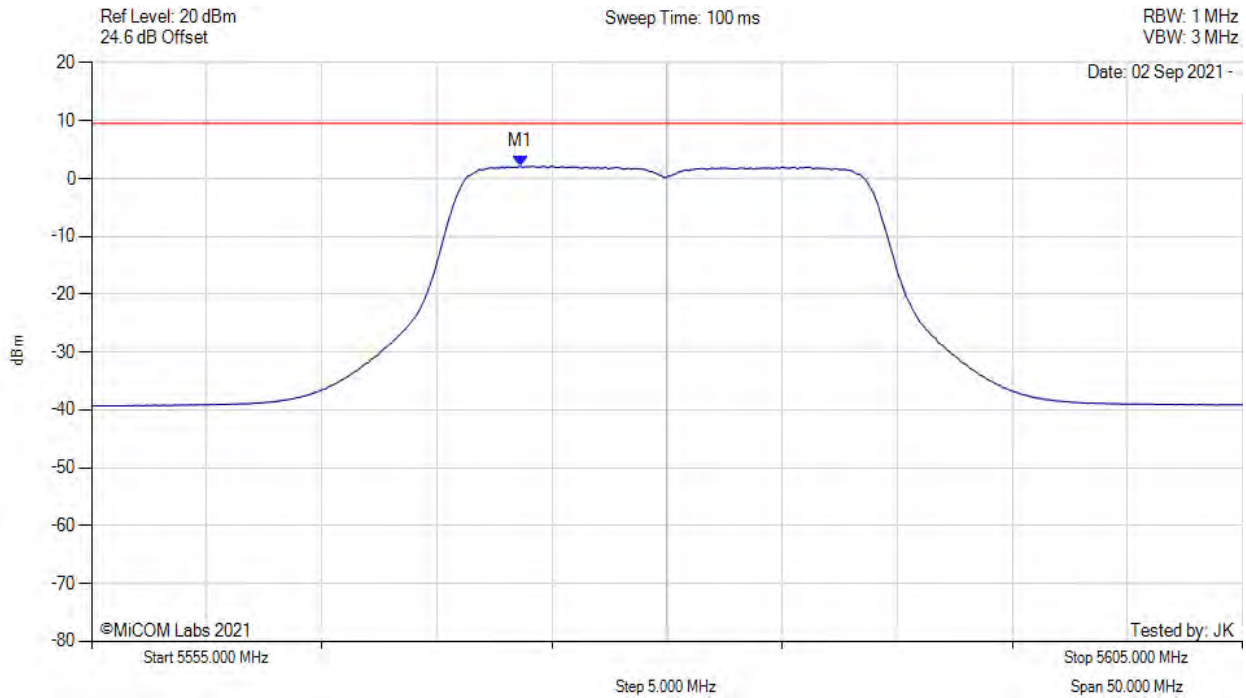
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.637 MHz : -0.317 dBm	Channel Frequency: 5580.00 MHz

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



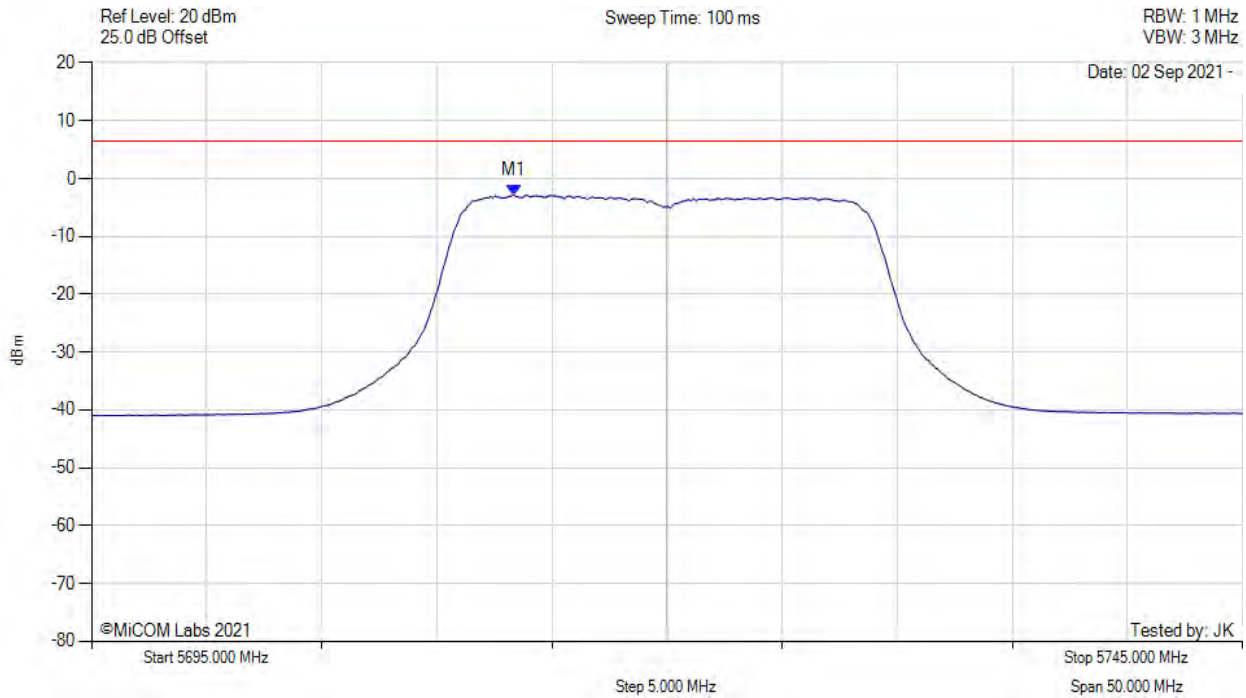
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.600 MHz : 2.150 dBm M1 + DCCF : 5573.600 MHz : 2.419 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: $\leq 9.5$ dBm Margin: -7.1 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



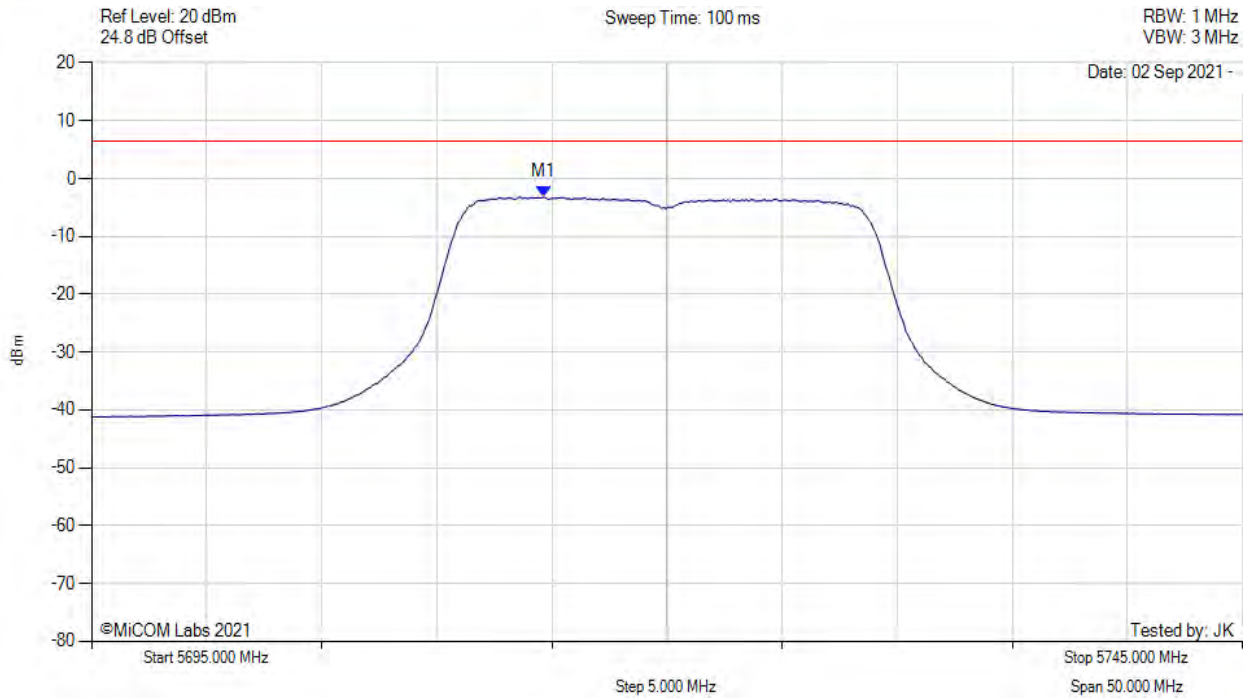
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.337 MHz : -2.837 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



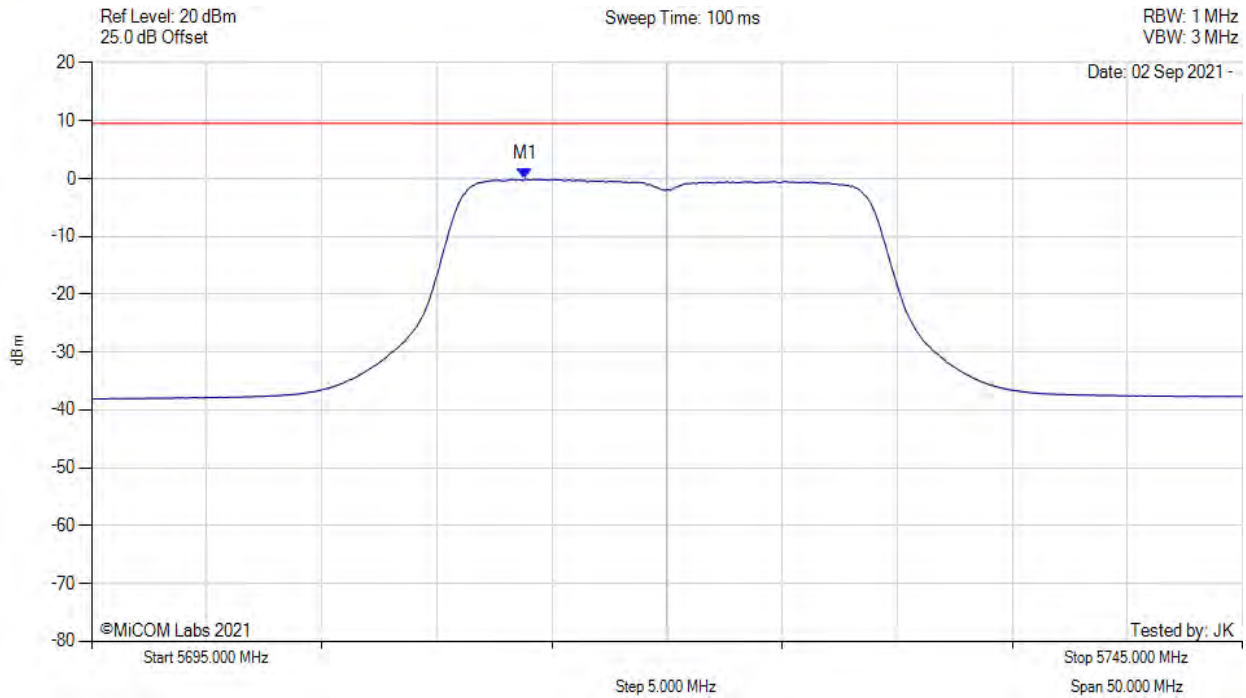
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5714.639 MHz : -3.186 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-20, Channel: 5720.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



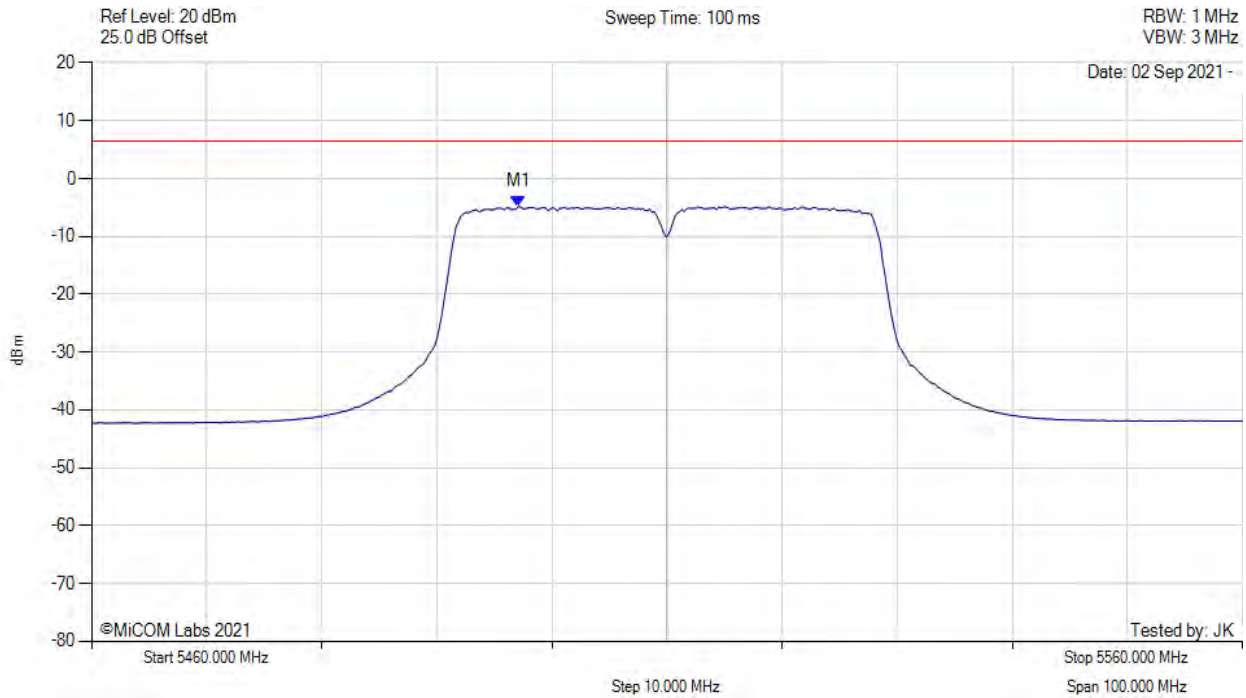
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.800 MHz : -0.102 dBm M1 + DCCF : 5713.800 MHz : 0.167 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: $\leq 9.5$ dBm Margin: -9.3 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



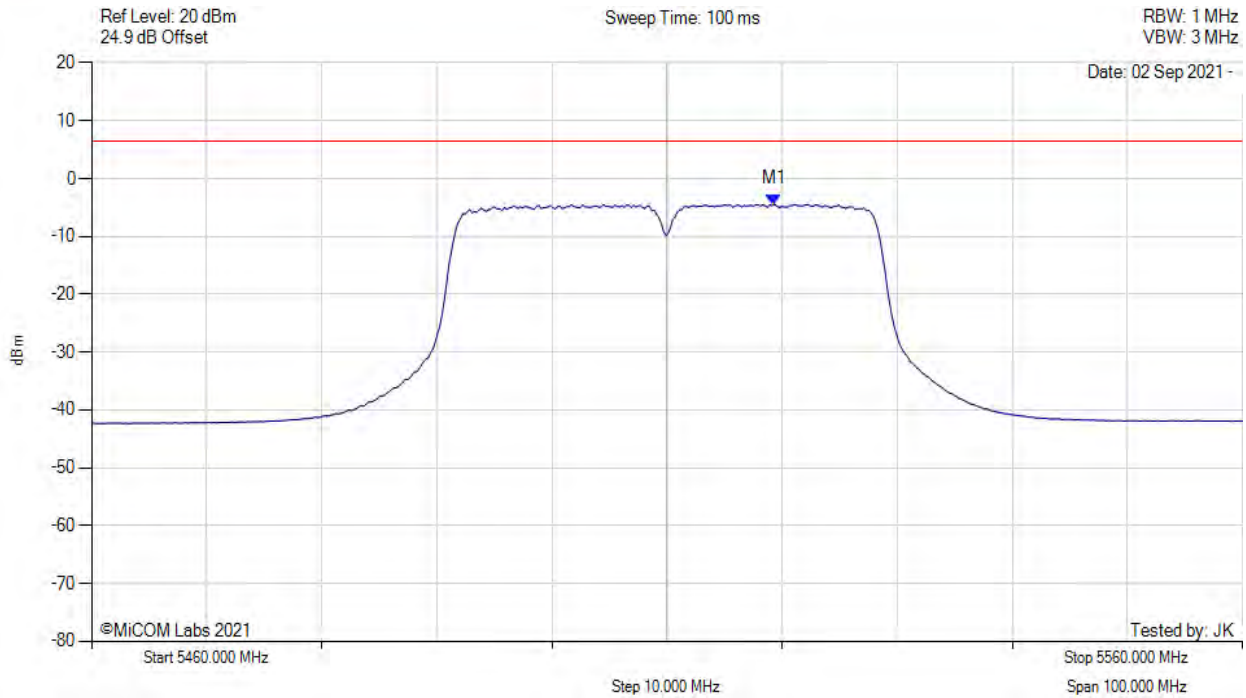
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5497.074 MHz : -4.836 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



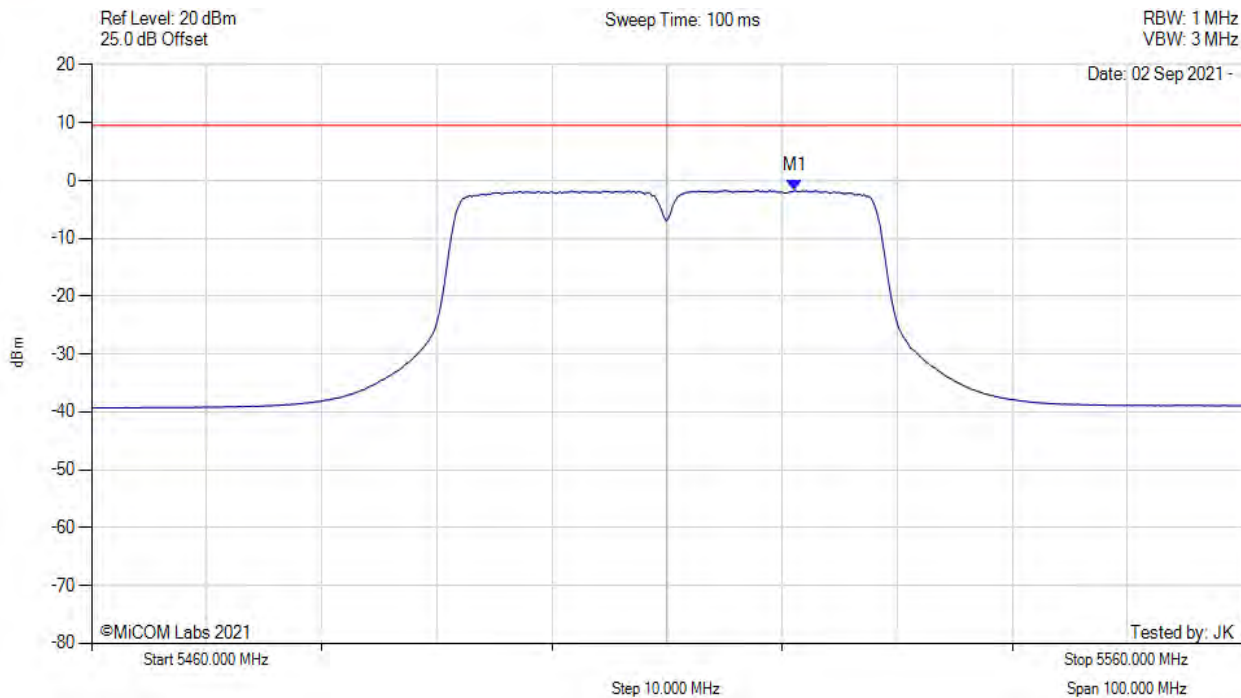
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5519.319 MHz : -4.461 dBm	Limit: $\leq 6.490$ dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5510.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5521.100 MHz : -1.705 dBm M1 + DCCF : 5521.100 MHz : -1.110 dBm Duty Cycle Correction Factor : +0.6 dB	Limit: $\leq 9.5$ dBm Margin: -10.6 dB

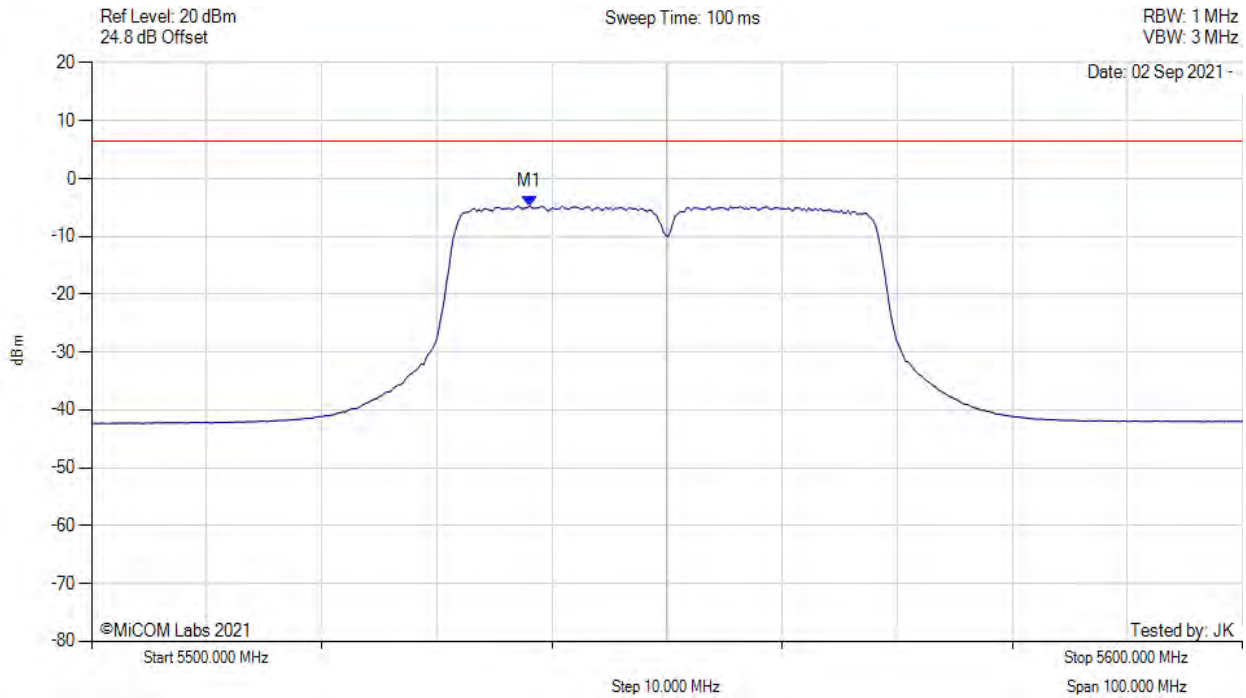
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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



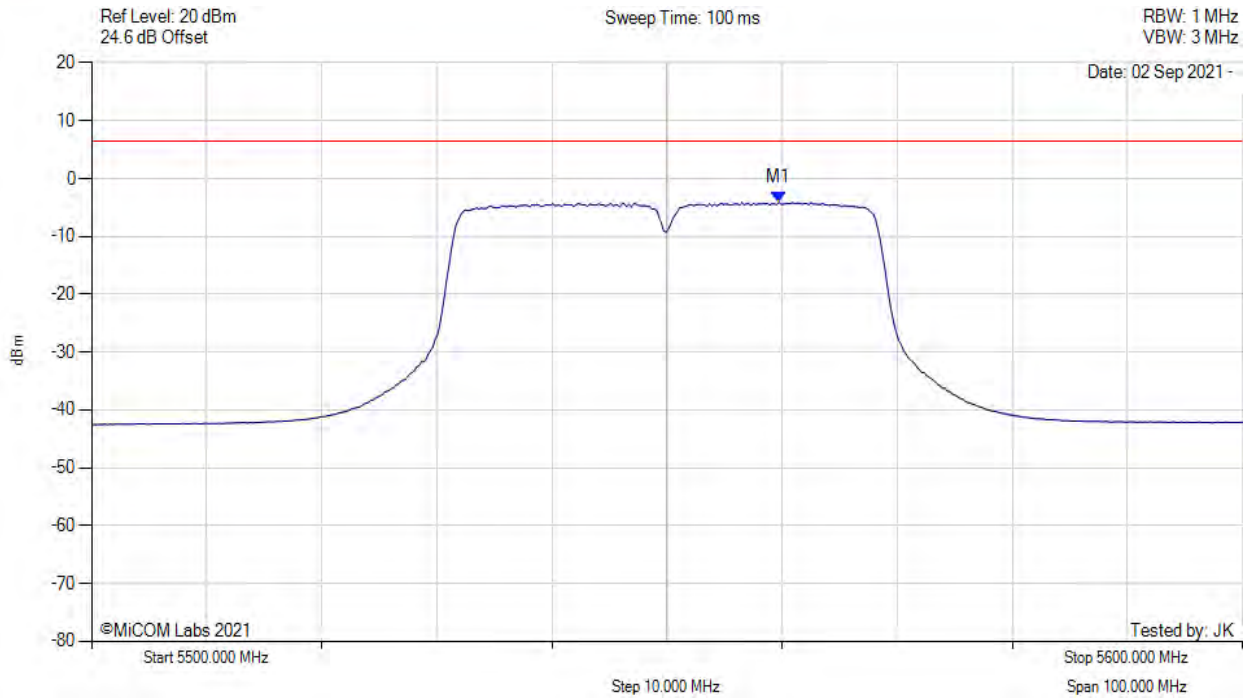
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5538.076 MHz : -4.739 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



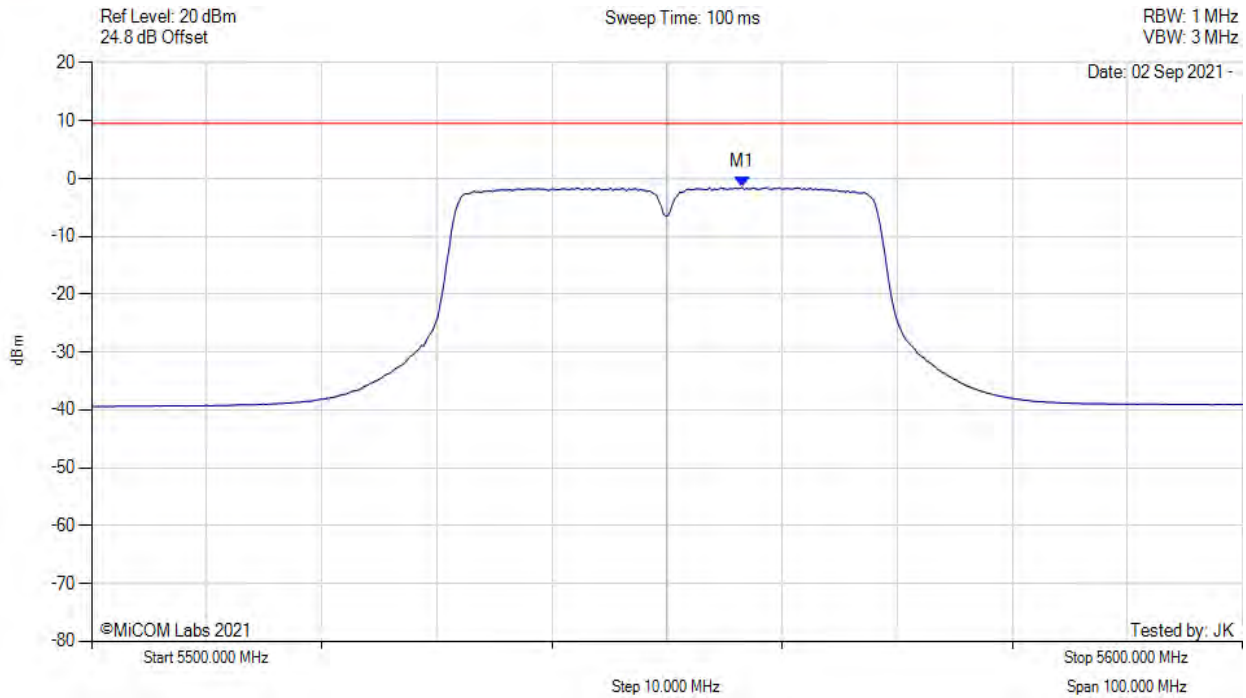
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5559.719 MHz : -4.105 dBm	Channel Frequency: 5550.00 MHz

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5550.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



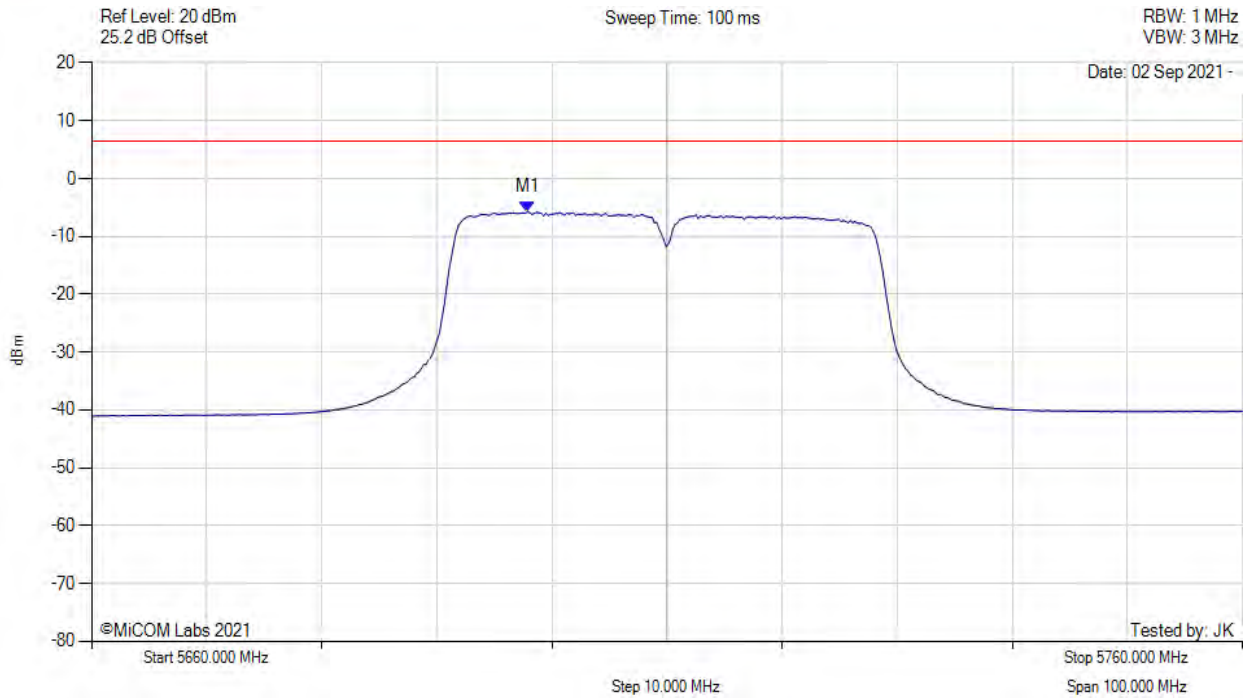
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5556.500 MHz : -1.522 dBm M1 + DCCF : 5556.500 MHz : -0.927 dBm Duty Cycle Correction Factor : +0.6 dB	Limit: $\leq 9.5$ dBm Margin: -10.4 dB

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain a, Temp: 20, Voltage: 28 Vdc



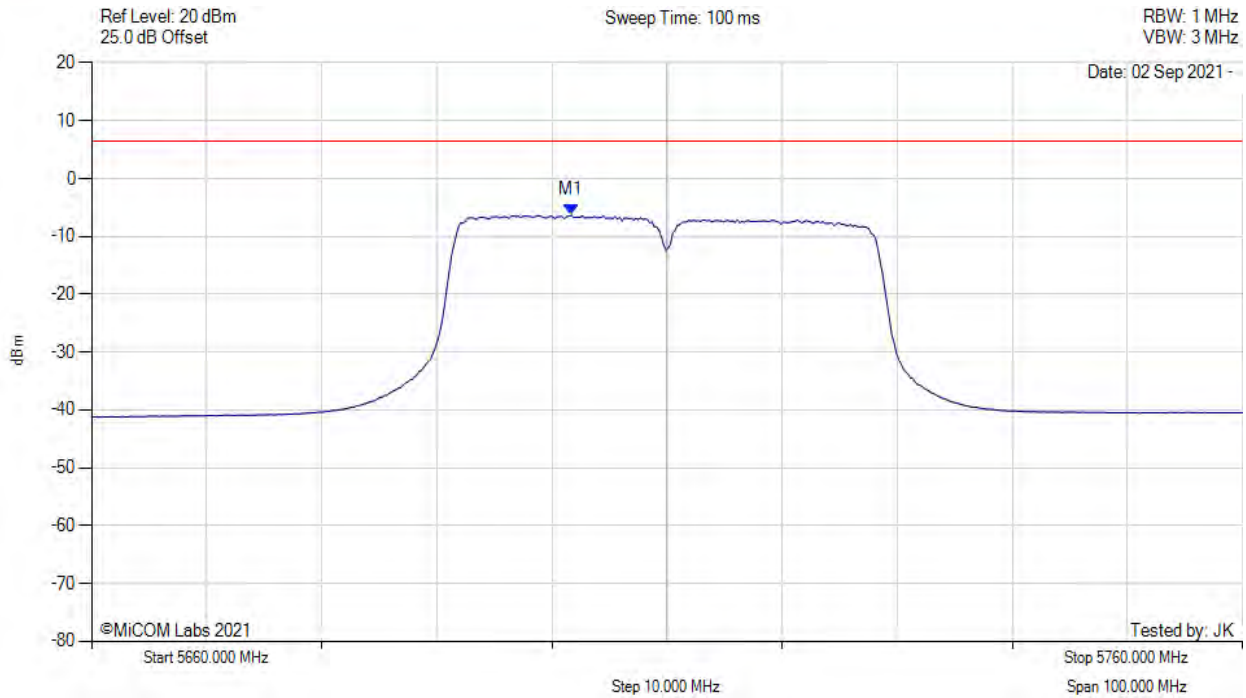
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5697.876 MHz : -5.770 dBm	Limit: $\leq 6.490$ dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain b, Temp: 20, Voltage: 28 Vdc



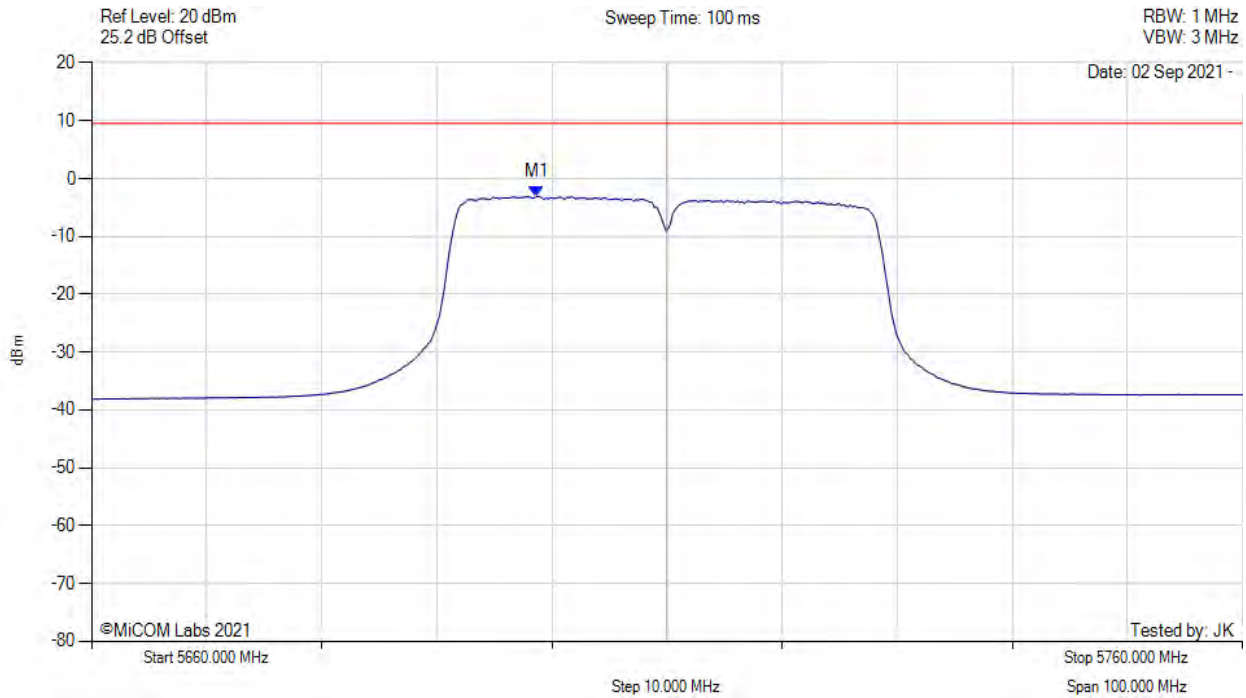
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5701.683 MHz : -6.323 dBm	Limit: ≤ 6.490 dBm

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POWER SPECTRAL DENSITY



Variant: 802.11n HT-40, Channel: 5710.00 MHz, SUM, Temp: 20, Voltage: 28 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5698.700 MHz : -3.128 dBm M1 + DCCF : 5698.700 MHz : -2.533 dBm Duty Cycle Correction Factor : +0.6 dB	Limit: $\leq 9.5$ dBm Margin: -12.0 dB

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### A.3. Radiated

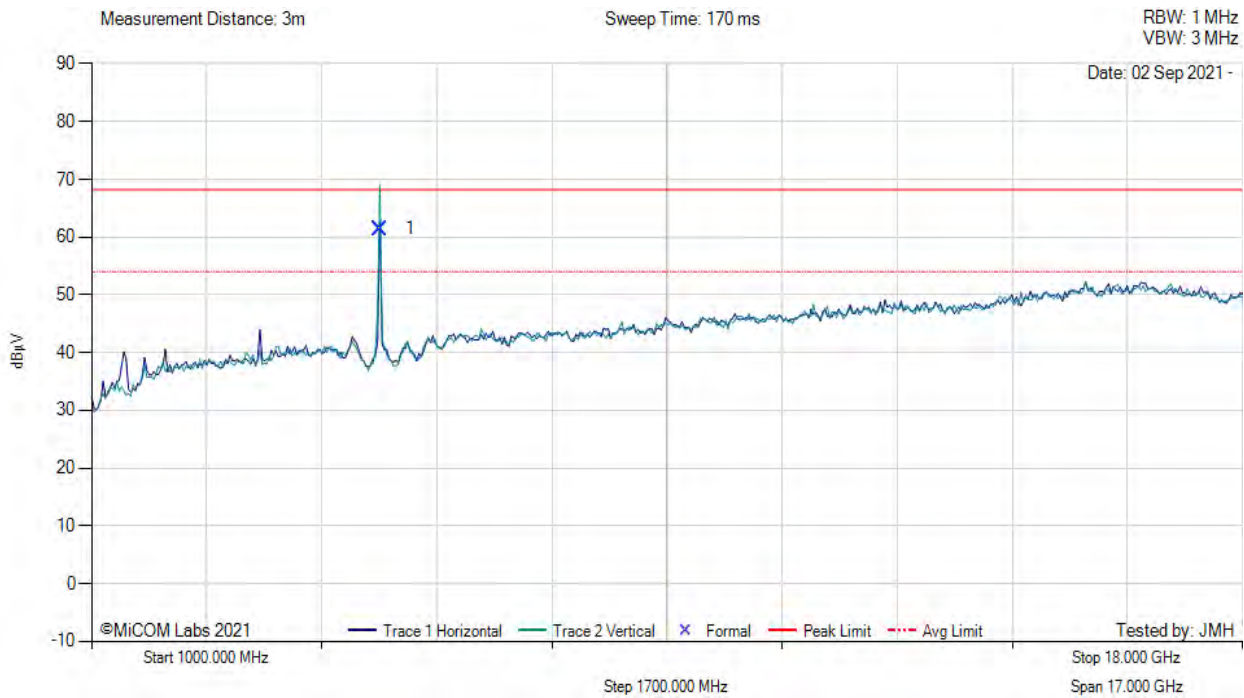
#### A.3.1. TX Spurious & Restricted Band Emissions

##### A.3.1.1. MikroTik hp\_omni\_A



#### TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5263.97	70.80	2.90	-12.24	61.46	Fundamental	Vertical	100	0	--	--	

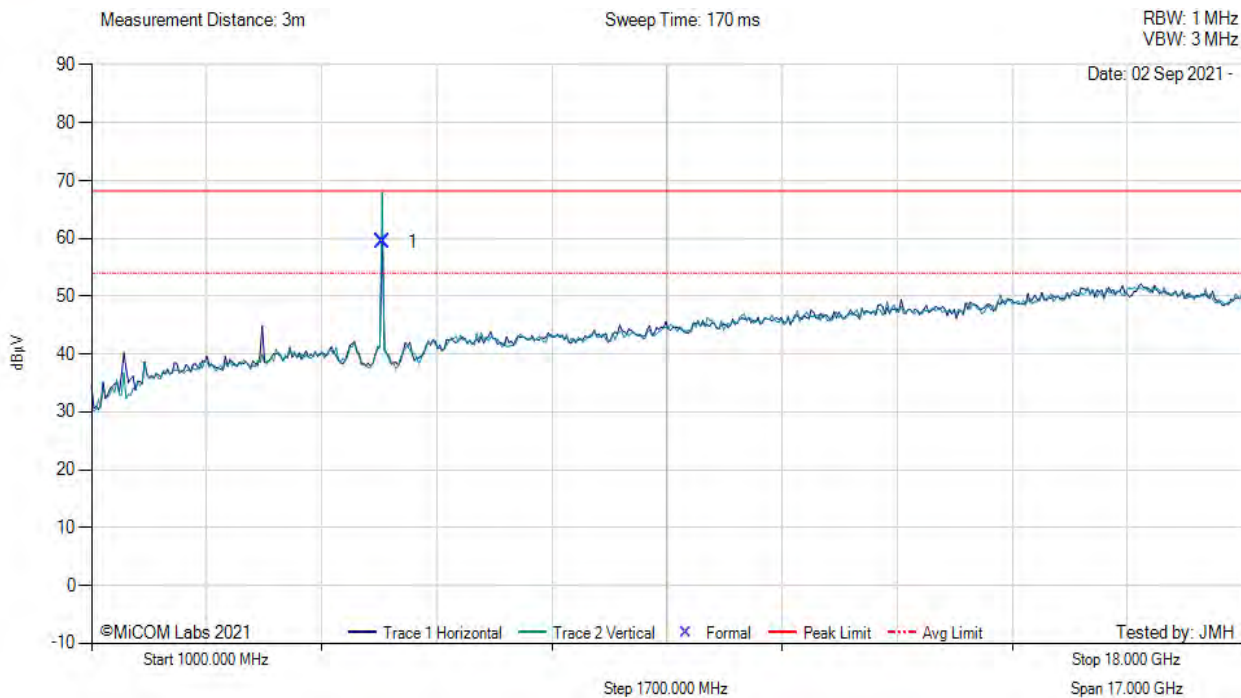
**Test Notes:** EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

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**TX SPURIOUS & RESTRICTED BAND EMISSIONS**

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5295.84	68.38	3.02	-12.01	59.39	Fundamental	Vertical	100	0	--	--	

**Test Notes:** EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

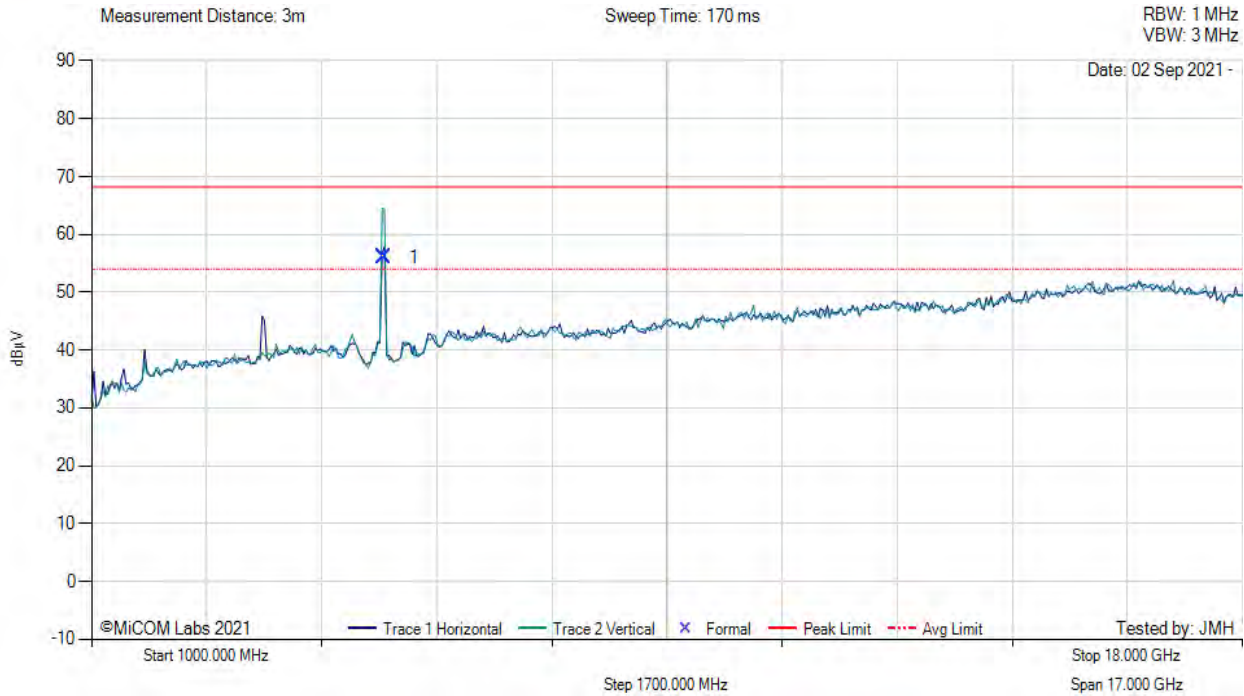
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**TX SPURIOUS & RESTRICTED BAND EMISSIONS**

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5324.00	65.06	2.96	-11.98	56.04	Fundamental	Vertical	100	0	--	--	

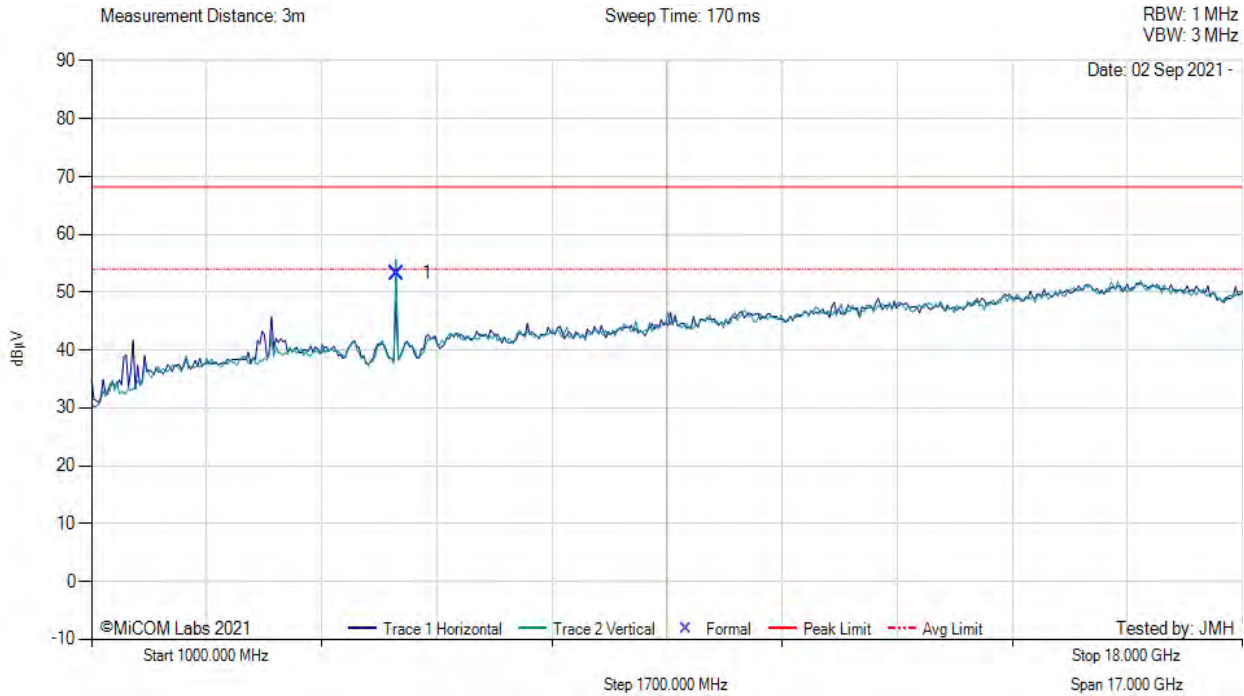
**Test Notes:** EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

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**TX SPURIOUS & RESTRICTED BAND EMISSIONS**

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5506.31	61.89	3.07	-11.66	53.30	Fundamental	Vertical	151	0	--	--	

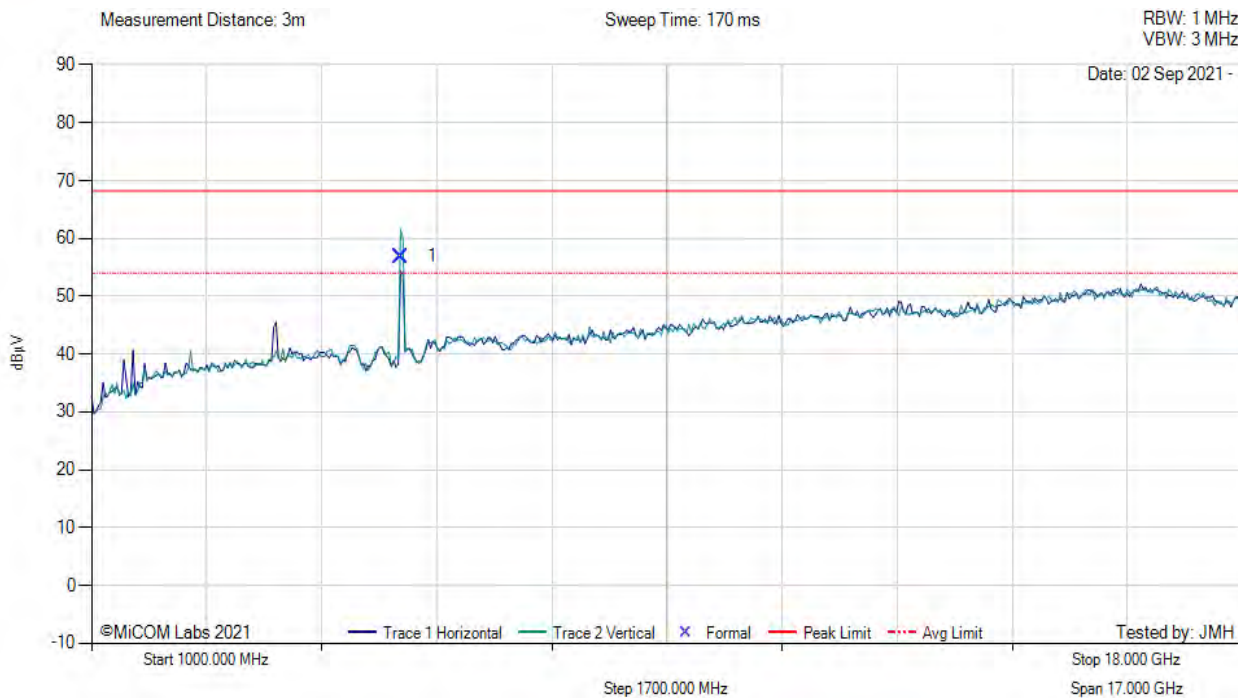
**Test Notes:** EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

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**TX SPURIOUS & RESTRICTED BAND EMISSIONS**

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5573.89	65.22	3.26	-11.57	56.91	Fundamental	Vertical	151	0	--	--	

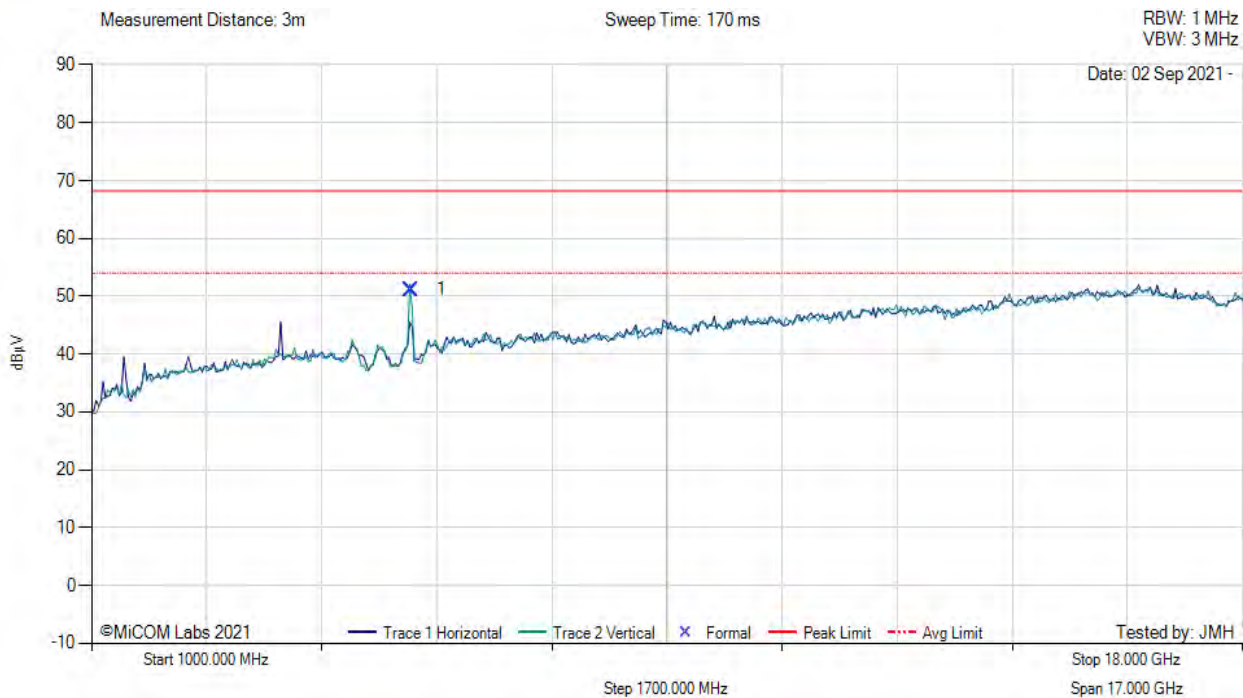
**Test Notes:** EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

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**TX SPURIOUS & RESTRICTED BAND EMISSIONS**

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 99



1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.29	59.27	3.16	-11.29	51.14	Fundamental	Vertical	200	0	--	--	

**Test Notes:** EUT powered by PoE injector. 5G Notch in front of amp to prevent overload.

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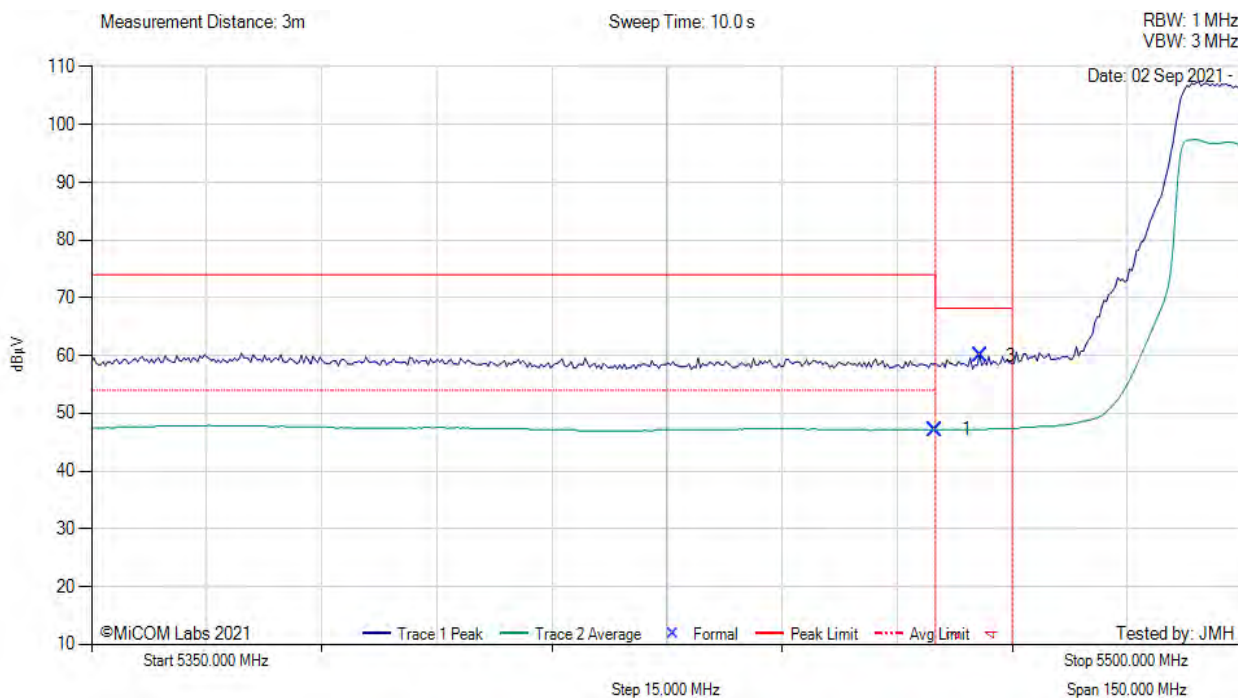
### A.3.2. Restricted Edge & Band-Edge Emissions

#### A.3.2.2. MikroTik hp\_omni\_A



#### RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 99



5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	9.59	3.06	34.53	47.18	Max Avg	Vertical	161	0	54.0	-6.8	Pass
3	5465.79	22.42	3.08	34.54	60.04	Max Peak	Vertical	161	0	68.2	-8.2	Pass
2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

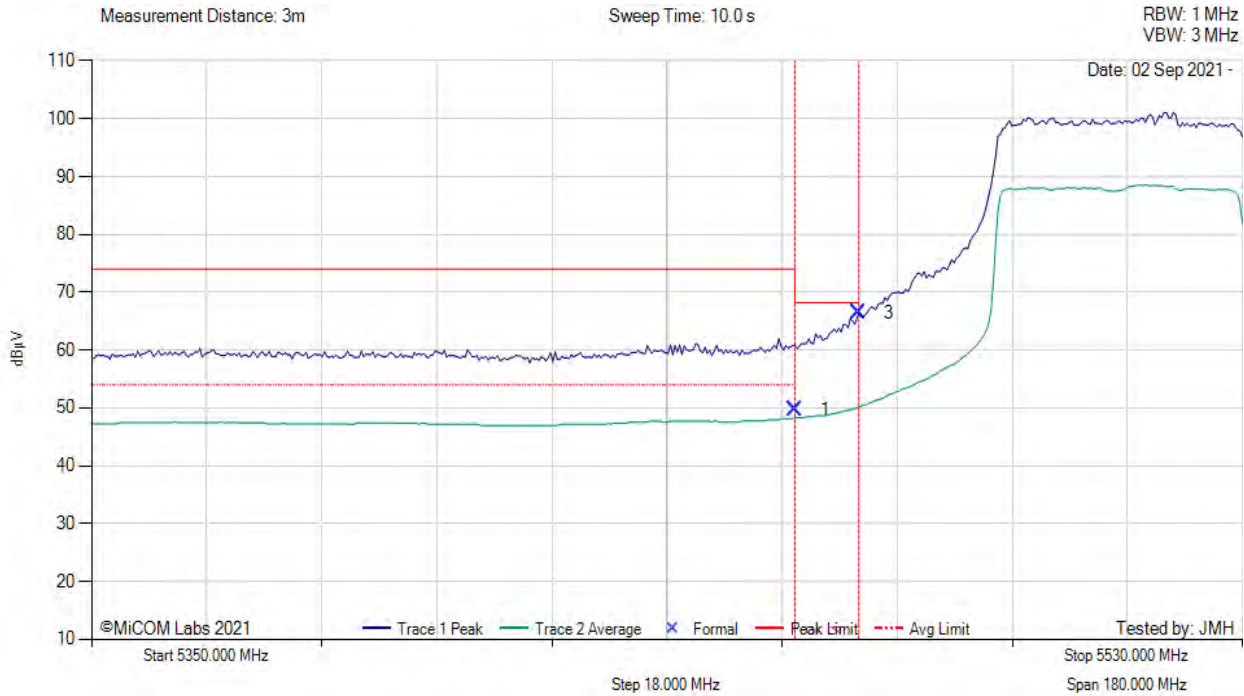
**Test Notes:** EUT powered by PoE injector.

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RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 20, Duty Cycle (%): 72



5350.00 - 5530.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	12.12	3.06	34.53	49.71	Max Avg	Vertical	161	0	54.0	-4.3	Pass
3	5470.00	28.79	3.06	34.55	66.40	Max Peak	Vertical	161	0	68.2	-1.8	Pass
2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

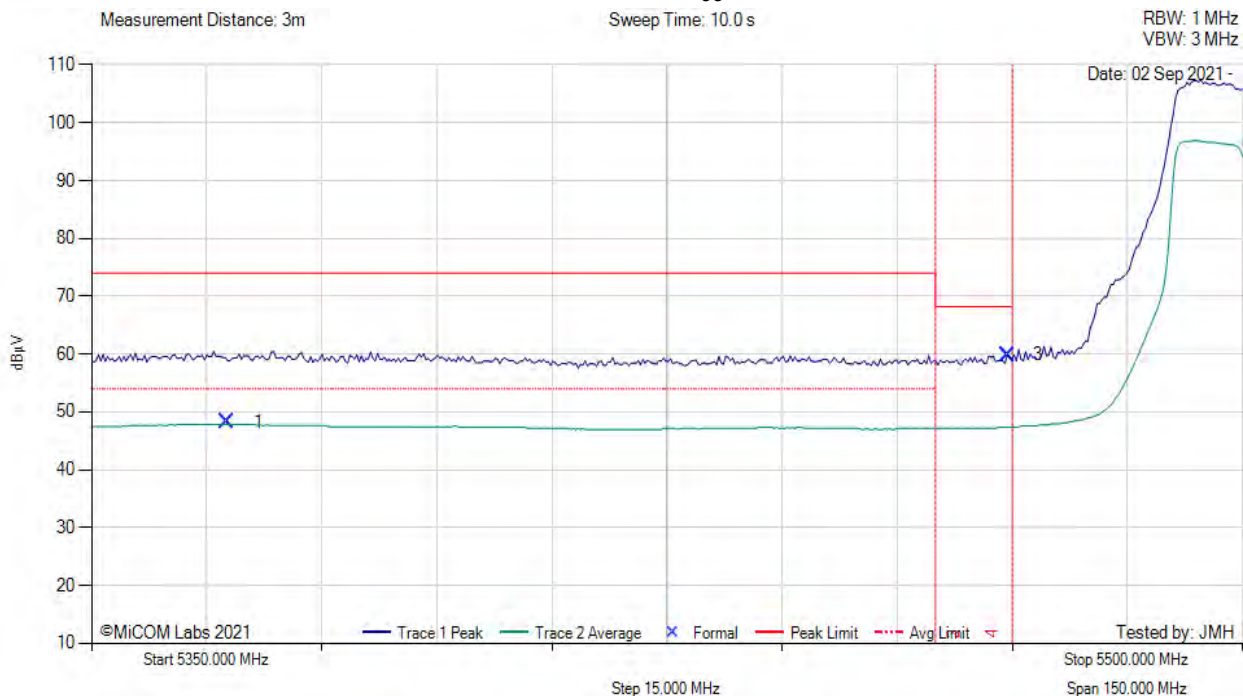
**Test Notes:** EUT powered by PoE injector. DCCF 1.4 dB added to average measurement.

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RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 93



5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5367.72	10.61	3.09	34.49	48.19	Max Avg	Vertical	161	0	54.0	-5.8	Pass
3	5469.40	22.25	3.06	34.55	59.86	Max Peak	Vertical	161	0	68.2	-8.4	Pass
2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

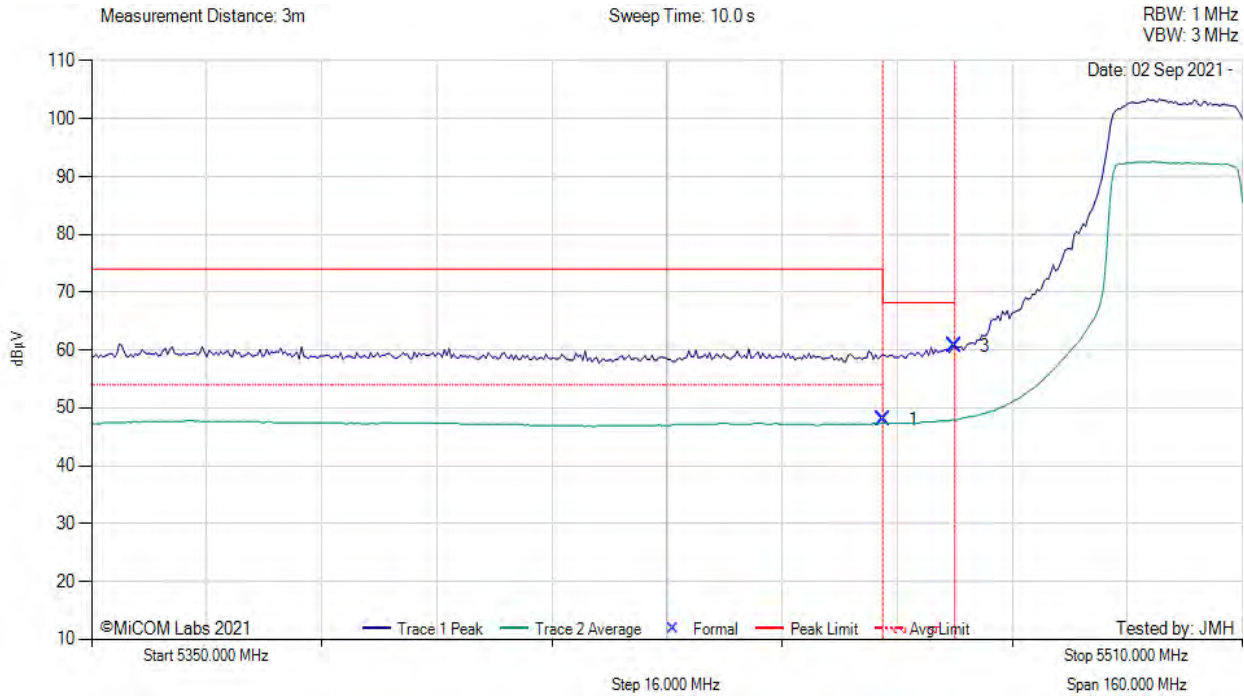
**Test Notes:** EUT powered by PoE injector. DCCF 0.35 dB added to average measurement.

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RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 87



5350.00 - 5510.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	10.38	3.06	34.53	47.97	Max Avg	Vertical	161	0	54.0	-6.0	Pass
3	5470.00	23.05	3.06	34.55	60.66	Max Peak	Vertical	161	0	68.2	-7.6	Pass
2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

**Test Notes:** EUT powered by PoE injector. DCCF 0.6 dB added to average measurement.

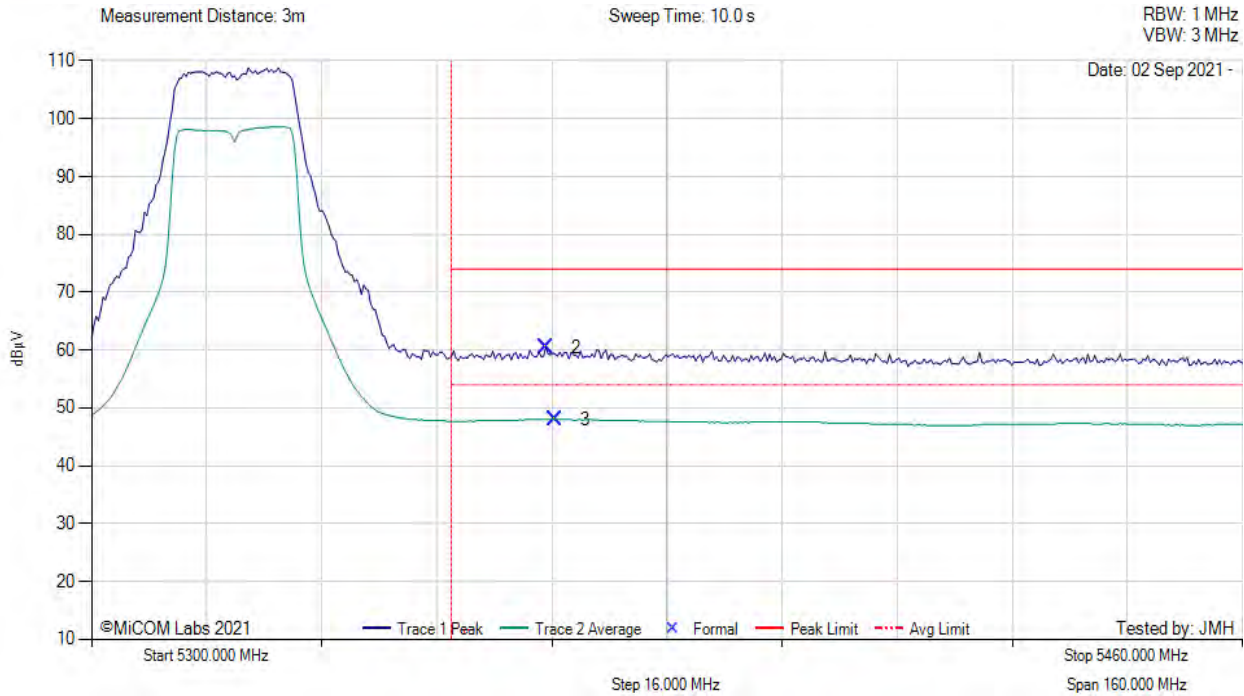
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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 99



5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
2	5363.15	22.94	3.06	34.48	60.48	Max Peak	Vertical	161	0	74.0	-13.5	Pass
3	5364.43	10.49	3.06	34.48	48.03	Max Avg	Vertical	161	0	54.0	-6.0	Pass
1	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

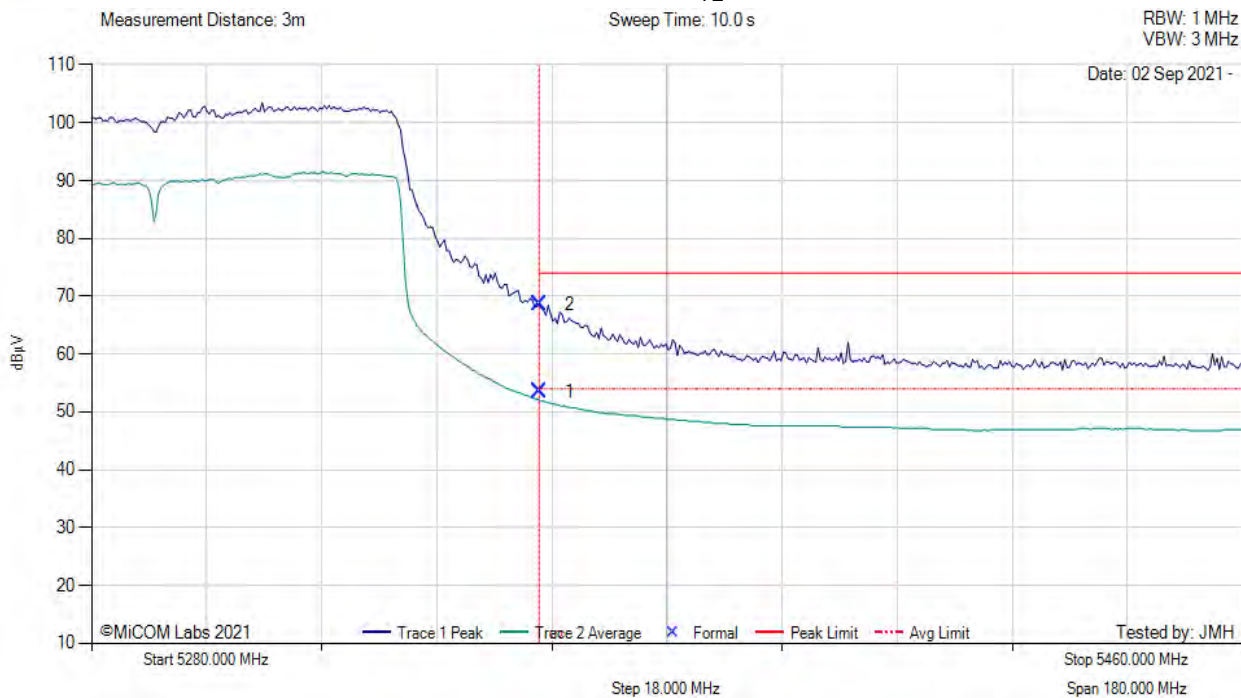
**Test Notes:** EUT powered by PoE injector.

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RESTRICTED UPPER BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 19, Duty Cycle (%): 72



5280.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	15.98	3.06	34.46	53.50	Max Avg	Vertical	161	0	54.0	-0.5	Pass
2	5350.00	31.02	3.06	34.46	68.54	Max Peak	Vertical	161	0	74.0	-5.5	Pass
3	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

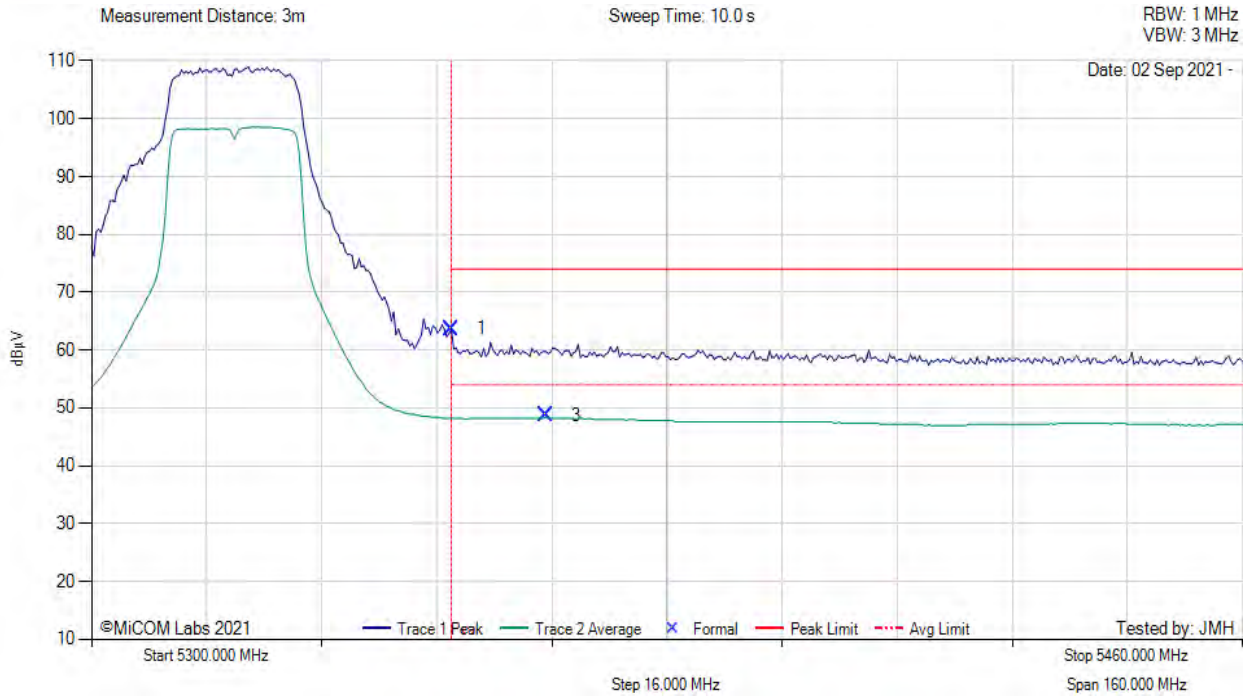
**Test Notes:** EUT powered by PoE injector. DCCF 1.4 dB added to average measurement.

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RESTRICTED UPPER BAND-EDGE EMISSIONS



Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 93



5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	26.14	3.06	34.46	63.66	Max Peak	Vertical	161	0	74.0	-10.5	Pass
3	5363.15	11.16	3.06	34.48	48.70	Max Avg	Vertical	161	0	54.0	-5.3	Pass
2	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

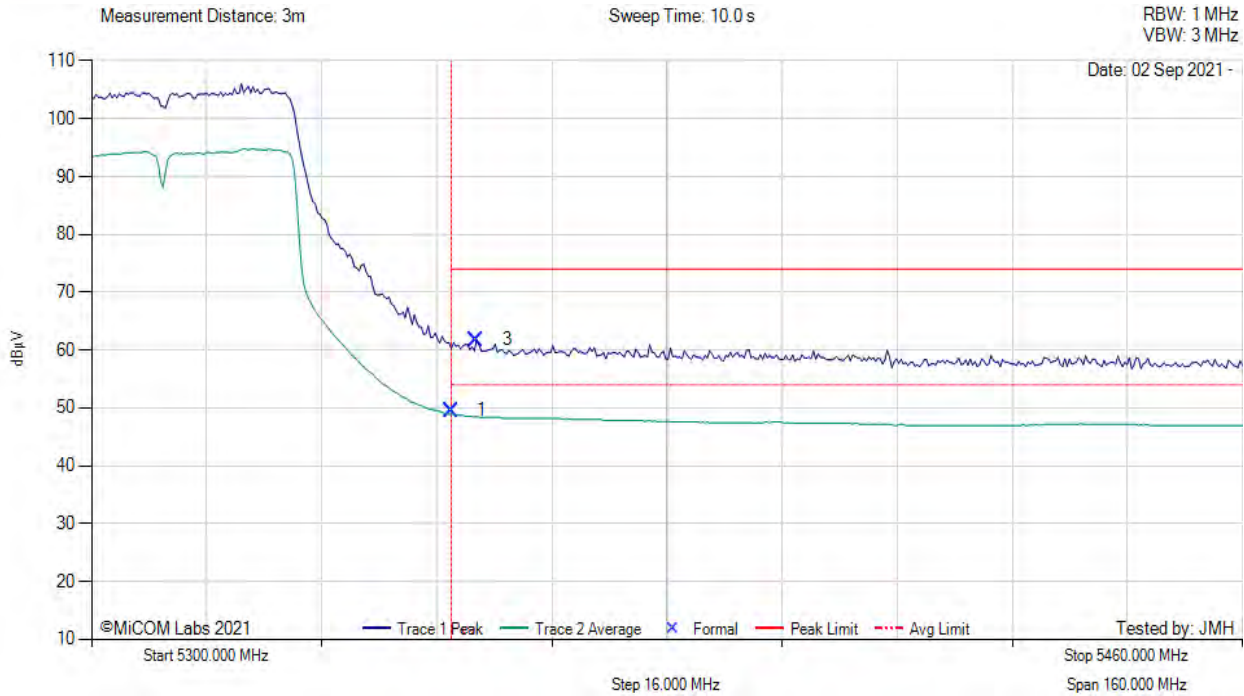
**Test Notes:** EUT powered by PoE injector. DCCF 0.3 dB added to average measurement.

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RESTRICTED UPPER BAND-EDGE EMISSIONS



Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: MikroTik hp\_omni\_A, Power Setting: 23, Duty Cycle (%): 87



5300.00 - 5460.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	12.00	3.06	34.46	49.52	Max Avg	Vertical	161	0	54.0	-4.5	Pass
3	5353.53	24.23	3.05	34.47	61.75	Max Peak	Vertical	161	0	74.0	-12.3	Pass
2	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

**Test Notes:** EUT powered by PoE injector. DCCF 0.6 dB added to average measurement.

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## **B. APPENDIX – RADAR SIGNATURES**

Type 5 #1 5503 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	16	6430	95	0	0	625053	631578
2	2	16	577811	74	1380	0	52239	631578
3	2	16	270943	98	1304	0	359135	631578
4	3	16	536114	55	1226	1450	92623	631578
5	3	16	171708	86	1056	1473	457083	631578
6	1	16	367104	92	0	0	264382	631578
7	3	16	327056	68	1928	1402	300988	631578
8	3	16	70798	92	1485	1703	557316	631578
9	2	16	48304	80	1230	0	581884	631578
10	2	16	225145	66	1474	0	404827	631578
11	1	16	202268	52	0	0	429258	631578
12	3	16	350015	55	1701	1129	278568	631578
13	3	16	378707	67	1791	1588	249291	631578
14	1	16	242878	71	0	0	388629	631578
15	3	16	284262	53	1457	1852	343848	631578
16	1	16	339859	93	0	0	291626	631578
17	2	16	148337	51	1382	0	481757	631578
18	3	16	89515	81	1094	1681	539045	631578
19	2	16	94113	67	1838	0	535493	631578

Type 5 #2 5501 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	42865	91	0	0	757044	800000
2	2	19	685343	97	1087	0	113376	800000
3	3	19	761458	97	1832	1045	35374	800000
4	2	19	737987	67	1503	0	60376	800000
5	3	19	494742	87	1241	1609	302147	800000
6	2	19	627795	54	1637	0	170460	800000
7	3	19	765695	99	1622	1933	30453	800000
8	1	19	5587	64	0	0	794349	800000
9	1	19	338320	89	0	0	461591	800000
10	2	19	300771	90	1705	0	497344	800000
11	1	19	512587	79	0	0	287334	800000
12	1	19	627235	68	0	0	172697	800000
13	1	19	2949	99	0	0	796952	800000
14	3	19	339359	63	1056	1212	458184	800000
15	3	19	223463	69	1479	1171	573680	800000

Type 5 #3 5506 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	256675	88	1888	1260	939913	1200000
2	1	8	690495	67	0	0	509438	1200000
3	3	8	3941	59	1872	1300	1192710	1200000
4	2	8	775859	76	1243	0	422746	1200000
5	2	8	142686	98	1810	0	1055308	1200000
6	2	8	468811	61	1725	0	729342	1200000
7	2	8	855374	80	1069	0	343397	1200000
8	1	8	1012766	74	0	0	187160	1200000
9	3	8	361150	76	1946	1181	835495	1200000
10	1	8	1095067	97	0	0	104836	1200000

Type 5 #4 5504 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	12	5464	53	1363	1191	791823	800000
2	2	12	465312	90	1184	0	333324	800000
3	3	12	457858	57	1517	1888	338566	800000
4	2	12	613941	61	1126	0	184811	800000
5	2	12	133988	80	1819	0	664033	800000
6	3	12	379119	89	1944	1933	416737	800000
7	3	12	777760	96	1037	1126	19789	800000
8	3	12	574110	96	1159	1998	222445	800000
9	2	12	681946	89	1532	0	116344	800000
10	3	12	31017	65	1755	1467	765566	800000
11	2	12	671305	89	1372	0	127145	800000
12	3	12	260795	50	1240	1430	536385	800000
13	2	12	656176	81	1850	0	141812	800000
14	2	12	615999	62	1218	0	182659	800000
15	2	12	508327	94	1321	0	290164	800000

Type 5 #5 5493 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	240690	94	1377	0	389323	631578
2	2	5	477912	57	1109	0	152443	631578
3	2	5	582058	88	1171	0	48173	631578
4	1	5	550269	97	0	0	81212	631578
5	2	5	170982	62	1778	0	458694	631578
6	3	5	45372	52	1807	1204	583039	631578
7	1	5	201418	90	0	0	430070	631578
8	3	5	570021	87	1473	1568	58255	631578
9	1	5	8415	55	0	0	623108	631578
10	3	5	386828	56	1149	1332	242101	631578
11	1	5	221242	50	0	0	410286	631578
12	3	5	207581	94	1599	1106	421010	631578
13	3	5	506253	97	1099	1083	122852	631578
14	2	5	442979	93	1498	0	186915	631578
15	2	5	89165	81	1965	0	540286	631578
16	3	5	298661	63	1479	1771	329478	631578
17	2	5	18599	70	1066	0	611773	631578
18	3	5	62053	78	1943	1143	566205	631578
19	1	5	5617	59	0	0	625902	631578

Type 5 #6 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	873235	96	1648	0	215834	1090909
2	3	18	760658	81	1201	1343	327464	1090909
3	2	18	18601	62	1448	0	1070736	1090909
4	2	18	606362	89	1908	0	482461	1090909
5	1	18	550388	67	0	0	540454	1090909
6	3	18	533713	63	1132	1648	554227	1090909
7	1	18	1043777	80	0	0	47052	1090909
8	2	18	889960	71	1748	0	199059	1090909
9	3	18	743326	87	1801	1740	343781	1090909
10	3	18	235547	86	1307	1005	852792	1090909
11	2	18	628822	50	1278	0	460709	1090909



Type 5 #7 5504 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	13	516191	56	1388	0	339451	857142
2	2	13	466763	61	1598	0	388659	857142
3	1	13	201573	67	0	0	655502	857142
4	2	13	465209	93	1821	0	389926	857142
5	3	13	517569	82	1838	1273	336216	857142
6	2	13	725321	73	1910	0	129765	857142
7	1	13	161858	57	0	0	695227	857142
8	1	13	740723	80	0	0	116339	857142
9	2	13	260405	61	1090	0	595525	857142
10	3	13	839001	73	1652	1463	14807	857142
11	2	13	564810	54	1196	0	291028	857142
12	3	13	204873	84	1864	1632	648521	857142
13	1	13	721511	65	0	0	135566	857142
14	2	13	812741	98	1893	0	42312	857142

Type 5 #8 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	16	294640	77	0	0	705283	1000000
2	3	16	766501	95	1190	1929	230095	1000000
3	1	16	278878	50	0	0	721072	1000000
4	2	16	105395	87	1380	0	893051	1000000
5	1	16	464258	89	0	0	535653	1000000
6	1	16	837660	75	0	0	162265	1000000
7	1	16	121606	100	0	0	878294	1000000
8	3	16	260488	91	1925	1675	735639	1000000
9	2	16	378712	63	1340	0	619822	1000000
10	1	16	951680	53	0	0	48267	1000000
11	1	16	253428	67	0	0	746505	1000000
12	2	16	950801	65	1378	0	47691	1000000

Type 5 #9 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	6	228140	97	1818	1647	968104	1200000
2	3	6	464033	80	1467	1478	732782	1200000
3	3	6	1193271	67	1405	1775	3348	1200000
4	2	6	883078	83	1488	0	315268	1200000
5	1	6	808590	91	0	0	391319	1200000
6	3	6	79685	64	1071	1990	1117062	1200000
7	1	6	297706	99	0	0	902195	1200000
8	2	6	893543	52	1760	0	304593	1200000
9	3	6	961370	89	1425	1922	235016	1200000
10	2	6	273305	81	1680	0	924853	1200000

Type 5 #10 5502 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	390032	76	1902	1322	406516	800000
2	2	18	772649	66	1488	0	25731	800000
3	2	18	357200	99	1956	0	440646	800000
4	3	18	576546	55	1961	1792	219536	800000
5	3	18	259060	71	1662	1392	537673	800000
6	2	18	517026	85	1075	0	281729	800000
7	2	18	338478	54	1242	0	460172	800000
8	2	18	99585	64	1936	0	698351	800000
9	2	18	256679	79	1092	0	542071	800000
10	2	18	194398	54	1832	0	603662	800000
11	3	18	526883	98	1235	1647	269941	800000
12	1	18	627845	89	0	0	172066	800000
13	3	18	695878	64	1731	1881	100318	800000
14	2	18	539706	56	1320	0	258862	800000
15	3	18	454943	64	1598	1433	341834	800000

Type 5 #11 5505 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	529747	92	1647	1847	98061	631578
2	3	9	212964	74	1511	1771	415110	631578
3	1	9	215309	93	0	0	416176	631578
4	2	9	101825	94	1953	0	527612	631578
5	2	9	135175	98	1655	0	494552	631578
6	2	9	170778	54	1326	0	459366	631578
7	1	9	466985	96	0	0	164497	631578
8	1	9	606939	87	0	0	24552	631578
9	1	9	103507	78	0	0	527993	631578
10	1	9	179265	74	0	0	452239	631578
11	3	9	315749	68	1337	1945	312343	631578
12	2	9	626922	56	1424	0	3120	631578
13	1	9	425670	69	0	0	205839	631578
14	1	9	308909	56	0	0	322613	631578
15	2	9	387399	57	1110	0	242955	631578
16	2	9	2170	96	1664	0	627552	631578
17	2	9	587877	94	1183	0	42330	631578
18	2	9	157919	87	1990	0	471495	631578
19	3	9	462407	78	1881	1314	165742	631578

Type 5 #12 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	1330417	100	1839	0	167544	1500000
2	1	5	157921	86	0	0	1341993	1500000
3	3	5	1212352	70	1119	1018	285301	1500000
4	3	5	1033659	72	1585	1941	462599	1500000
5	1	5	397408	83	0	0	1102509	1500000
6	3	5	883228	50	1879	1607	613136	1500000
7	1	5	423446	100	0	0	1076454	1500000
8	1	5	1114238	77	0	0	385685	1500000

Type 5 #13 5494 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	75962	65	1146	1926	520771	600000
2	2	7	201430	98	1857	0	396517	600000
3	1	7	54929	99	0	0	544972	600000
4	1	7	462252	93	0	0	137655	600000
5	1	7	390203	66	0	0	209731	600000
6	3	7	239096	81	1292	1658	357711	600000
7	3	7	301600	89	1104	1671	295358	600000
8	2	7	126025	93	1953	0	471836	600000
9	1	7	14788	56	0	0	585156	600000
10	3	7	212711	94	1564	1920	383523	600000
11	2	7	494776	50	1377	0	103747	600000
12	2	7	415152	82	1414	0	183270	600000
13	2	7	342657	83	1544	0	255633	600000
14	1	7	222179	83	0	0	377738	600000
15	2	7	334310	66	1893	0	263665	600000
16	1	7	375962	60	0	0	223978	600000
17	3	7	26062	87	1729	1739	570209	600000
18	2	7	529383	89	1728	0	68711	600000
19	3	7	443827	93	1445	1637	152812	600000
20	2	7	428711	79	1167	0	169964	600000

Type 5 #14 5496 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	13	32862	91	1594	1620	1463651	1500000
2	2	13	682992	79	1964	0	814886	1500000
3	2	13	1084173	75	1798	0	413879	1500000
4	2	13	383368	75	1737	0	1114745	1500000
5	2	13	1241423	91	1696	0	256699	1500000
6	1	13	652143	53	0	0	847804	1500000
7	1	13	1413903	56	0	0	86041	1500000
8	1	13	394041	96	0	0	1105863	1500000

Type 5 #15 5493 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	299187	54	1671	1656	297324	600000
2	3	5	206682	52	1323	1148	390691	600000
3	1	5	486739	95	0	0	113166	600000
4	3	5	193675	78	1071	1529	403491	600000
5	2	5	232130	78	1733	0	365981	600000
6	1	5	37953	63	0	0	561984	600000
7	1	5	420365	70	0	0	179565	600000
8	2	5	5864	57	1515	0	592507	600000
9	2	5	401685	56	1809	0	196394	600000
10	3	5	587028	96	1438	1264	9982	600000
11	1	5	282685	100	0	0	317215	600000
12	3	5	67896	80	1116	1924	528824	600000
13	3	5	567726	90	1418	1085	29501	600000
14	1	5	392147	60	0	0	207793	600000
15	2	5	242895	85	1062	0	355873	600000
16	2	5	413514	81	1885	0	184439	600000
17	3	5	130591	93	1835	1924	465371	600000
18	3	5	353342	67	1025	1943	243489	600000
19	1	5	207969	95	0	0	391936	600000
20	2	5	424571	89	1598	0	173653	600000

Type 5 #16 5499 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	19	185746	53	1159	0	612989	800000
2	3	19	394859	97	1164	1923	401763	800000
3	1	19	691992	93	0	0	107915	800000
4	1	19	597467	76	0	0	202457	800000
5	2	19	99207	58	1258	0	699419	800000
6	3	19	44988	64	1241	1983	751596	800000
7	1	19	238756	64	0	0	561180	800000
8	2	19	646250	63	1866	0	151758	800000
9	3	19	714773	66	1732	1822	81475	800000
10	2	19	51834	88	1782	0	746208	800000
11	1	19	102402	58	0	0	697540	800000
12	3	19	755215	59	1005	1034	42569	800000
13	3	19	171738	98	1455	1866	624647	800000
14	1	19	475358	78	0	0	324564	800000
15	1	19	52569	78	0	0	747353	800000

Type 5 #17 5505 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	923818	73	1138	0	274898	1200000
2	3	10	316379	69	1099	1543	880772	1200000
3	3	10	332044	92	1863	1010	864807	1200000
4	3	10	377987	75	1681	1437	818670	1200000
5	1	10	430573	88	0	0	769339	1200000
6	3	10	966843	50	1320	1742	229945	1200000
7	3	10	115346	70	1209	1804	1081431	1200000
8	3	10	394326	92	1959	1011	802428	1200000
9	2	10	884559	86	1942	0	313327	1200000
10	1	10	656964	74	0	0	542962	1200000

Type 5 #18 5493 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	5	382469	77	1092	0	247863	631578
2	3	5	365415	51	1032	1459	263519	631578
3	2	5	302044	93	1495	0	327853	631578
4	1	5	177137	60	0	0	454381	631578
5	1	5	170726	71	0	0	460781	631578
6	1	5	164494	63	0	0	467021	631578
7	3	5	38954	52	1064	1917	589487	631578
8	2	5	323983	64	1867	0	305600	631578
9	2	5	160718	73	1691	0	469023	631578
10	1	5	431390	85	0	0	200103	631578
11	3	5	383693	71	1172	1948	244552	631578
12	1	5	520939	56	0	0	110583	631578
13	1	5	483930	67	0	0	147581	631578
14	1	5	419654	70	0	0	211854	631578
15	2	5	386297	90	1034	0	244067	631578
16	2	5	202671	84	1521	0	427218	631578
17	3	5	301909	76	1111	1474	326856	631578
18	2	5	600651	73	1881	0	28900	631578
19	1	5	329004	51	0	0	302523	631578

Type 5 #19 5504 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	13	107288	76	0	0	642636	750000
2	3	13	197791	83	1143	1817	549000	750000
3	2	13	183509	89	1702	0	564611	750000
4	3	13	510069	79	1702	1288	236704	750000
5	2	13	568982	81	1711	0	179145	750000
6	3	13	663521	51	1567	1661	83098	750000
7	1	13	3795	89	0	0	746116	750000
8	2	13	311828	66	1821	0	436219	750000
9	2	13	397363	54	1853	0	350676	750000
10	2	13	107904	57	1275	0	640707	750000
11	2	13	413435	67	1484	0	334947	750000
12	3	13	78898	90	1909	1062	667861	750000
13	1	13	418282	56	0	0	331662	750000
14	2	13	71987	97	1332	0	676487	750000
15	1	13	593026	94	0	0	156880	750000
16	1	13	151278	71	0	0	598651	750000

Type 5 #20 5504 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	13	992429	77	0	0	98403	1090909
2	1	13	462170	55	0	0	628684	1090909
3	3	13	111899	94	1310	1396	976022	1090909
4	3	13	257700	95	1408	1817	829699	1090909
5	3	13	133961	79	1889	1695	953127	1090909
6	1	13	698495	79	0	0	392335	1090909
7	2	13	767613	67	1014	0	322148	1090909
8	1	13	29870	100	0	0	1060939	1090909
9	1	13	133002	63	0	0	957844	1090909
10	2	13	724249	74	1641	0	364871	1090909
11	1	13	797796	91	0	0	293022	1090909

Type 5 #21 5499 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	20	184821	59	0	0	565120	750000
2	1	20	727350	56	0	0	22594	750000
3	2	20	672916	68	1399	0	75549	750000
4	2	20	44160	90	1902	0	703758	750000
5	2	20	503568	65	1215	0	245087	750000
6	2	20	504872	67	1386	0	243608	750000
7	2	20	271333	50	1978	0	476589	750000
8	1	20	120680	97	0	0	629223	750000
9	1	20	74180	81	0	0	675739	750000
10	2	20	233296	63	1079	0	515499	750000
11	3	20	424525	81	1942	1827	321463	750000
12	3	20	377684	67	1745	1892	368478	750000
13	3	20	271907	92	1494	1804	474519	750000
14	2	20	336340	57	1576	0	411970	750000
15	3	20	160018	87	1951	1447	586323	750000
16	3	20	347504	97	1593	1203	399409	750000

Type 5 #22 5495 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	309039	64	0	0	613973	923076
2	2	9	271957	55	1779	0	649230	923076
3	1	9	101217	95	0	0	821764	923076
4	3	9	70282	52	1177	1998	849463	923076
5	1	9	36973	77	0	0	886026	923076
6	3	9	454288	96	1301	1886	465313	923076
7	1	9	911935	78	0	0	11063	923076
8	3	9	78509	78	1583	1400	841350	923076
9	3	9	29806	84	1955	1920	889143	923076
10	3	9	676634	54	1289	1411	243580	923076
11	3	9	225418	96	1287	1719	694364	923076
12	1	9	207251	71	0	0	715754	923076
13	2	9	482878	50	1222	0	438876	923076



Type 5 #23 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	5	191211	73	0	0	731792	923076
2	2	5	550951	97	1009	0	370922	923076
3	3	5	644131	84	1339	1864	275490	923076
4	1	5	291400	83	0	0	631593	923076
5	1	5	237292	87	0	0	685697	923076
6	3	5	819137	85	1955	1509	100220	923076
7	1	5	319500	97	0	0	603479	923076
8	3	5	692666	84	1834	1142	227182	923076
9	1	5	579766	70	0	0	343240	923076
10	2	5	59275	67	1884	0	861783	923076
11	3	5	179504	50	1525	1132	740765	923076
12	1	5	589898	81	0	0	333097	923076
13	2	5	293366	77	1422	0	628134	923076

Type 5 #24 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	17	942014	52	1968	1587	254275	1200000
2	2	17	976049	100	1804	0	221947	1200000
3	1	17	1046867	72	0	0	153061	1200000
4	2	17	517716	91	1585	0	680517	1200000
5	1	17	215725	82	0	0	984193	1200000
6	1	17	995439	87	0	0	204474	1200000
7	1	17	1070027	72	0	0	129901	1200000
8	2	17	669042	64	1131	0	529699	1200000
9	2	17	756725	65	1408	0	441737	1200000
10	2	17	1171362	52	1696	0	26838	1200000

Type 5 #25 5498 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	559473	86	1230	1539	937500	1500000
2	2	18	551599	59	1757	0	946526	1500000
3	3	18	1343454	97	1659	1161	153435	1500000
4	1	18	1115346	63	0	0	384591	1500000
5	3	18	1349727	71	1242	1459	147359	1500000
6	3	18	1022430	51	1382	1228	474807	1500000
7	1	18	1353882	92	0	0	146026	1500000
8	2	18	344902	89	1172	0	1153748	1500000

Type 5 #26 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	13	65951	95	1950	0	598575	666666
2	3	13	314151	64	1989	1080	349254	666666
3	3	13	125527	57	1374	1624	537970	666666
4	3	13	169879	91	1599	1180	493735	666666
5	1	13	547792	71	0	0	118803	666666
6	2	13	164377	60	1284	0	500885	666666
7	3	13	616137	76	1833	1344	47124	666666
8	3	13	308340	93	1270	1914	354863	666666
9	3	13	587490	60	1075	1553	76368	666666
10	3	13	58362	95	1833	1217	604969	666666
11	2	13	108775	93	1341	0	556364	666666
12	2	13	150688	89	1796	0	514004	666666
13	3	13	174151	82	1541	1280	489448	666666
14	3	13	526221	99	1328	1266	137554	666666
15	2	13	329708	61	1438	0	335398	666666
16	1	13	276836	65	0	0	389765	666666
17	3	13	389179	60	1745	1715	273847	666666
18	2	13	372134	85	1627	0	292735	666666

Type 5 #27 5493 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	616659	99	1864	1889	10869	631578
2	3	5	93511	74	1124	1148	535573	631578
3	2	5	6874	75	1782	0	622772	631578
4	2	5	426732	90	1565	0	203101	631578
5	2	5	345737	64	1702	0	284011	631578
6	3	5	389584	96	1755	1997	237954	631578
7	1	5	348547	79	0	0	282952	631578
8	3	5	290699	57	1764	1877	337067	631578
9	1	5	443111	90	0	0	188377	631578
10	1	5	285788	54	0	0	345736	631578
11	1	5	355940	60	0	0	275578	631578
12	1	5	118209	70	0	0	513299	631578
13	3	5	95693	72	1916	1558	532195	631578
14	2	5	595947	76	1124	0	34355	631578
15	1	5	20337	58	0	0	611183	631578
16	3	5	140459	76	1214	1346	488331	631578
17	2	5	191638	74	1834	0	437958	631578
18	3	5	269375	52	1309	1754	358984	631578
19	3	5	241792	83	1209	1331	386997	631578

Type 5 #28 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	7	568400	70	0	0	231530	800000
2	1	7	667467	81	0	0	132452	800000
3	1	7	405100	55	0	0	394845	800000
4	3	7	480164	54	1305	1065	317304	800000
5	1	7	412656	68	0	0	387276	800000
6	1	7	561503	76	0	0	238421	800000
7	3	7	217846	56	1121	1282	579583	800000
8	3	7	224431	67	1689	1853	571826	800000
9	3	7	688383	85	1703	1695	107964	800000
10	3	7	21937	85	1384	1880	774544	800000
11	3	7	503273	78	1731	1205	293557	800000
12	1	7	386515	88	0	0	413397	800000
13	3	7	551515	97	1712	1783	244699	800000
14	2	7	29419	80	1393	0	769028	800000
15	3	7	122090	87	1532	1667	674450	800000

Type 5 #29 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	5	343057	69	0	0	288452	631578
2	2	5	177497	80	1058	0	452863	631578
3	2	5	620693	69	1793	0	8954	631578
4	2	5	493140	54	1994	0	136336	631578
5	2	5	508847	81	1991	0	120578	631578
6	1	5	301892	77	0	0	329609	631578
7	3	5	548871	96	1242	1165	80012	631578
8	2	5	6523	70	1992	0	622923	631578
9	1	5	478696	67	0	0	152815	631578
10	1	5	561134	68	0	0	70376	631578
11	3	5	336618	79	1342	1851	291530	631578
12	2	5	614206	71	1103	0	16127	631578
13	2	5	50574	55	1548	0	579346	631578
14	2	5	574984	71	1209	0	55243	631578
15	2	5	24704	58	1101	0	605657	631578
16	3	5	275318	57	1921	1234	352934	631578
17	2	5	206915	83	1334	0	423163	631578
18	1	5	433982	96	0	0	197500	631578
19	2	5	509693	76	1045	0	120688	631578

Type 5 #30 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	4299	99	1350	1398	659322	666666
2	1	7	337772	88	0	0	328806	666666
3	3	7	141772	78	1535	1882	521243	666666
4	3	7	39902	88	1323	1506	623671	666666
5	2	7	24345	93	1131	0	641004	666666
6	1	7	198032	66	0	0	468568	666666
7	3	7	654812	100	1276	1467	8811	666666
8	2	7	582403	54	1047	0	83108	666666
9	2	7	322104	97	1646	0	342722	666666
10	3	7	37705	72	1244	1075	626426	666666
11	1	7	341979	79	0	0	324608	666666
12	2	7	105063	63	1157	0	560320	666666
13	2	7	373803	91	1209	0	291472	666666
14	1	7	153141	71	0	0	513454	666666
15	1	7	593993	83	0	0	72590	666666
16	3	7	398670	79	1526	1206	265027	666666
17	1	7	215594	85	0	0	450987	666666
18	2	7	355819	90	1697	0	308970	666666

Type 6 #1 [Back to Summary]									
#01-5376	#02-5375	#03-5323	#04-5435	#05-5253	#06-5708	#07-5361	#08-5537	#09-5566	#10-5723
#11-5697	#12-5511	#13-5374	#14-5295	#15-5342	#16-5364	#17-5587	#18-5377	#19-5499	#20-5314
#21-5605	#22-5302	#23-5462	#24-5451	#25-5410	#26-5475	#27-5591	#28-5604	#29-5337	#30-5418
#31-5439	#32-5525	#33-5541	#34-5505	#35-5396	#36-5643	#37-5334	#38-5357	#39-5558	#40-5444
#41-5570	#42-5440	#43-5286	#44-5469	#45-5490	#46-5617	#47-5630	#48-5711	#49-5333	#50-5589
#51-5484	#52-5407	#53-5433	#54-5524	#55-5596	#56-5320	#57-5647	#58-5607	#59-5275	#60-5512
#61-5370	#62-5488	#63-5452	#64-5401	#65-5545	#66-5428	#67-5700	#68-5603	#69-5634	#70-5426
#71-5273	#72-5482	#73-5550	#74-5304	#75-5478	#76-5417	#77-5262	#78-5720	#79-5688	#80-5527
#81-5577	#82-5610	#83-5519	#84-5479	#85-5663	#86-5277	#87-5336	#88-5265	#89-5642	#90-5317
#91-5724	#92-5463	#93-5328	#94-5294	#95-5318	#96-5331	#97-5712	#98-5621	#99-5655	#100-5306

Type 6 #2 [Back to Summary]									
#01-5635	#02-5276	#03-5334	#04-5633	#05-5558	#06-5252	#07-5587	#08-5376	#09-5296	#10-5424
#11-5312	#12-5647	#13-5637	#14-5482	#15-5663	#16-5494	#17-5694	#18-5697	#19-5465	#20-5510
#21-5340	#22-5683	#23-5686	#24-5555	#25-5426	#26-5538	#27-5397	#28-5495	#29-5714	#30-5392
#31-5429	#32-5372	#33-5320	#34-5627	#35-5607	#36-5542	#37-5517	#38-5603	#39-5642	#40-5655
#41-5412	#42-5688	#43-5698	#44-5458	#45-5258	#46-5327	#47-5546	#48-5570	#49-5358	#50-5547
#51-5360	#52-5266	#53-5396	#54-5387	#55-5692	#56-5674	#57-5313	#58-5497	#59-5453	#60-5268
#61-5577	#62-5341	#63-5385	#64-5622	#65-5719	#66-5659	#67-5569	#68-5255	#69-5593	#70-5366
#71-5702	#72-5336	#73-5302	#74-5530	#75-5346	#76-5378	#77-5711	#78-5472	#79-5545	#80-5349
#81-5717	#82-5544	#83-5388	#84-5416	#85-5282	#86-5415	#87-5701	#88-5653	#89-5660	#90-5651
#91-5476	#92-5270	#93-5403	#94-5617	#95-5324	#96-5321	#97-5549	#98-5318	#99-5469	#100-5319

Type 6 #3 [Back to Summary]									
#01-5479	#02-5544	#03-5701	#04-5718	#05-5573	#06-5274	#07-5686	#08-5585	#09-5293	#10-5563
#11-5689	#12-5562	#13-5671	#14-5356	#15-5275	#16-5280	#17-5677	#18-5696	#19-5591	#20-5550
#21-5681	#22-5636	#23-5317	#24-5658	#25-5608	#26-5678	#27-5655	#28-5400	#29-5453	#30-5270
#31-5540	#32-5634	#33-5254	#34-5472	#35-5588	#36-5419	#37-5567	#38-5389	#39-5556	#40-5258
#41-5444	#42-5364	#43-5611	#44-5347	#45-5691	#46-5632	#47-5320	#48-5296	#49-5595	#50-5301
#51-5369	#52-5572	#53-5449	#54-5637	#55-5362	#56-5554	#57-5473	#58-5289	#59-5355	#60-5614
#61-5338	#62-5526	#63-5380	#64-5269	#65-5265	#66-5305	#67-5555	#68-5445	#69-5486	#70-5575
#71-5429	#72-5530	#73-5386	#74-5584	#75-5358	#76-5566	#77-5279	#78-5695	#79-5699	#80-5702
#81-5610	#82-5617	#83-5517	#84-5410	#85-5627	#86-5697	#87-5435	#88-5340	#89-5368	#90-5283
#91-5666	#92-5525	#93-5290	#94-5668	#95-5642	#96-5635	#97-5713	#98-5586	#99-5333	#100-5638

Type 6 #4 [Back to Summary]									
#01-5326	#02-5598	#03-5530	#04-5272	#05-5592	#06-5555	#07-5445	#08-5591	#09-5533	#10-5515
#11-5537	#12-5506	#13-5314	#14-5380	#15-5254	#16-5443	#17-5258	#18-5694	#19-5367	#20-5296
#21-5588	#22-5471	#23-5331	#24-5458	#25-5635	#26-5622	#27-5500	#28-5434	#29-5668	#30-5439
#31-5583	#32-5406	#33-5614	#34-5305	#35-5626	#36-5265	#37-5339	#38-5505	#39-5545	#40-5324
#41-5498	#42-5574	#43-5531	#44-5576	#45-5466	#46-5409	#47-5470	#48-5637	#49-5672	#50-5448
#51-5638	#52-5269	#53-5477	#54-5288	#55-5306	#56-5582	#57-5519	#58-5325	#59-5366	#60-5701
#61-5304	#62-5260	#63-5655	#64-5347	#65-5664	#66-5383	#67-5628	#68-5261	#69-5485	#70-5716
#71-5360	#72-5479	#73-5401	#74-5294	#75-5523	#76-5267	#77-5671	#78-5482	#79-5715	#80-5469
#81-5399	#82-5602	#83-5496	#84-5464	#85-5541	#86-5567	#87-5659	#88-5577	#89-5250	#90-5295
#91-5472	#92-5268	#93-5391	#94-5572	#95-5275	#96-5493	#97-5652	#98-5435	#99-5646	#100-5342

Type 6 #5 [Back to Summary]									
#01-5512	#02-5460	#03-5395	#04-5677	#05-5341	#06-5404	#07-5594	#08-5434	#09-5493	#10-5288
#11-5640	#12-5287	#13-5332	#14-5621	#15-5550	#16-5433	#17-5490	#18-5432	#19-5535	#20-5346
#21-5452	#22-5300	#23-5258	#24-5444	#25-5498	#26-5344	#27-5338	#28-5561	#29-5273	#30-5279
#31-5348	#32-5482	#33-5572	#34-5632	#35-5686	#36-5665	#37-5453	#38-5546	#39-5376	#40-5382
#41-5697	#42-5474	#43-5330	#44-5689	#45-5380	#46-5436	#47-5658	#48-5500	#49-5268	#50-5567
#51-5250	#52-5468	#53-5633	#54-5548	#55-5614	#56-5465	#57-5455	#58-5681	#59-5431	#60-5724
#61-5315	#62-5289	#63-5411	#64-5469	#65-5672	#66-5412	#67-5450	#68-5428	#69-5663	#70-5613
#71-5709	#72-5673	#73-5309	#74-5400	#75-5374	#76-5706	#77-5695	#78-5297	#79-5314	#80-5311
#81-5414	#82-5575	#83-5541	#84-5441	#85-5277	#86-5605	#87-5578	#88-5271	#89-5265	#90-5480
#91-5470	#92-5507	#93-5360	#94-5377	#95-5318	#96-5657	#97-5312	#98-5598	#99-5263	#100-5693

Type 6 #6 [Back to Summary]									
#01-5710	#02-5476	#03-5555	#04-5382	#05-5578	#06-5302	#07-5404	#08-5478	#09-5417	#10-5632
#11-5493	#12-5403	#13-5615	#14-5371	#15-5563	#16-5470	#17-5475	#18-5698	#19-5433	#20-5315
#21-5565	#22-5424	#23-5411	#24-5441	#25-5397	#26-5462	#27-5569	#28-5660	#29-5334	#30-5444
#31-5647	#32-5347	#33-5279	#34-5344	#35-5322	#36-5661	#37-5262	#38-5402	#39-5588	#40-5701
#41-5452	#42-5342	#43-5583	#44-5358	#45-5704	#46-5303	#47-5609	#48-5709	#49-5538	#50-5570
#51-5432	#52-5333	#53-5409	#54-5673	#55-5376	#56-5536	#57-5310	#58-5364	#59-5707	#60-5365
#61-5467	#62-5479	#63-5389	#64-5696	#65-5713	#66-5391	#67-5372	#68-5521	#69-5294	#70-5630
#71-5463	#72-5318	#73-5361	#74-5465	#75-5597	#76-5480	#77-5575	#78-5297	#79-5469	#80-5341
#81-5586	#82-5589	#83-5370	#84-5503	#85-5259	#86-5561	#87-5668	#88-5329	#89-5692	#90-5519
#91-5601	#92-5626	#93-5425	#94-5474	#95-5497	#96-5702	#97-5678	#98-5608	#99-5369	#100-5560

Type 6 #7 [Back to Summary]									
#01-5656	#02-5339	#03-5659	#04-5631	#05-5360	#06-5359	#07-5698	#08-5674	#09-5328	#10-5630
#11-5689	#12-5261	#13-5622	#14-5606	#15-5508	#16-5600	#17-5348	#18-5616	#19-5686	#20-5403
#21-5448	#22-5288	#23-5543	#24-5506	#25-5284	#26-5556	#27-5623	#28-5615	#29-5695	#30-5608
#31-5509	#32-5691	#33-5651	#34-5620	#35-5410	#36-5483	#37-5644	#38-5458	#39-5381	#40-5621
#41-5576	#42-5717	#43-5254	#44-5309	#45-5541	#46-5573	#47-5721	#48-5525	#49-5680	#50-5596
#51-5592	#52-5306	#53-5638	#54-5694	#55-5357	#56-5605	#57-5504	#58-5394	#59-5584	#60-5514
#61-5449	#62-5323	#63-5705	#64-5431	#65-5366	#66-5723	#67-5327	#68-5250	#69-5440	#70-5270
#71-5678	#72-5597	#73-5476	#74-5307	#75-5532	#76-5451	#77-5283	#78-5477	#79-5681	#80-5420
#81-5552	#82-5338	#83-5658	#84-5334	#85-5260	#86-5447	#87-5297	#88-5682	#89-5505	#90-5513
#91-5697	#92-5488	#93-5579	#94-5570	#95-5412	#96-5496	#97-5263	#98-5530	#99-5662	#100-5540

Type 6 #8 [Back to Summary]									
#01-5501	#02-5720	#03-5336	#04-5661	#05-5648	#06-5718	#07-5545	#08-5580	#09-5400	#10-5625
#11-5579	#12-5280	#13-5436	#14-5419	#15-5686	#16-5365	#17-5388	#18-5615	#19-5429	#20-5637
#21-5674	#22-5369	#23-5458	#24-5650	#25-5296	#26-5434	#27-5267	#28-5624	#29-5611	#30-5285
#31-5447	#32-5470	#33-5542	#34-5381	#35-5649	#36-5564	#37-5253	#38-5724	#39-5410	#40-5265
#41-5630	#42-5440	#43-5530	#44-5608	#45-5663	#46-5666	#47-5309	#48-5417	#49-5616	#50-5302
#51-5363	#52-5367	#53-5356	#54-5276	#55-5595	#56-5380	#57-5510	#58-5409	#59-5610	#60-5466
#61-5700	#62-5642	#63-5692	#64-5362	#65-5431	#66-5358	#67-5464	#68-5304	#69-5496	#70-5368
#71-5359	#72-5392	#73-5460	#74-5415	#75-5256	#76-5490	#77-5562	#78-5569	#79-5713	#80-5350
#81-5376	#82-5572	#83-5257	#84-5561	#85-5643	#86-5326	#87-5355	#88-5520	#89-5511	#90-5522
#91-5307	#92-5570	#93-5354	#94-5676	#95-5290	#96-5712	#97-5478	#98-5421	#99-5439	#100-5550

Type 6 #9 [Back to Summary]									
#01-5454	#02-5254	#03-5649	#04-5502	#05-5663	#06-5701	#07-5636	#08-5670	#09-5270	#10-5365
#11-5540	#12-5664	#13-5418	#14-5507	#15-5338	#16-5376	#17-5633	#18-5377	#19-5447	#20-5351
#21-5252	#22-5668	#23-5521	#24-5700	#25-5312	#26-5518	#27-5281	#28-5506	#29-5374	#30-5267
#31-5263	#32-5400	#33-5391	#34-5417	#35-5625	#36-5372	#37-5648	#38-5481	#39-5623	#40-5667
#41-5416	#42-5419	#43-5499	#44-5394	#45-5705	#46-5364	#47-5403	#48-5577	#49-5584	#50-5637
#51-5326	#52-5344	#53-5694	#54-5329	#55-5549	#56-5514	#57-5461	#58-5675	#59-5442	#60-5396
#61-5672	#62-5382	#63-5548	#64-5253	#65-5352	#66-5399	#67-5531	#68-5257	#69-5605	#70-5693
#71-5457	#72-5411	#73-5479	#74-5510	#75-5660	#76-5565	#77-5425	#78-5378	#79-5722	#80-5671
#81-5363	#82-5434	#83-5644	#84-5465	#85-5661	#86-5634	#87-5431	#88-5304	#89-5590	#90-5360
#91-5631	#92-5703	#93-5289	#94-5485	#95-5720	#96-5284	#97-5589	#98-5496	#99-5291	#100-5558

Type 6 #10 [Back to Summary]									
#01-5564	#02-5394	#03-5696	#04-5616	#05-5436	#06-5644	#07-5593	#08-5435	#09-5390	#10-5709
#11-5340	#12-5327	#13-5675	#14-5493	#15-5275	#16-5491	#17-5458	#18-5334	#19-5312	#20-5439
#21-5691	#22-5471	#23-5387	#24-5492	#25-5303	#26-5477	#27-5367	#28-5719	#29-5513	#30-5629
#31-5693	#32-5647	#33-5338	#34-5413	#35-5355	#36-5698	#37-5457	#38-5279	#39-5271	#40-5267
#41-5295	#42-5715	#43-5636	#44-5604	#45-5273	#46-5557	#47-5276	#48-5523	#49-5456	#50-5481
#51-5551	#52-5510	#53-5430	#54-5578	#55-5591	#56-5346	#57-5254	#58-5459	#59-5563	#60-5683
#61-5530	#62-5602	#63-5653	#64-5489	#65-5263	#66-5417	#67-5714	#68-5515	#69-5386	#70-5305
#71-5287	#72-5426	#73-5315	#74-5297	#75-5395	#76-5701	#77-5559	#78-5511	#79-5468	#80-5475
#81-5451	#82-5576	#83-5520	#84-5284	#85-5332	#86-5440	#87-5470	#88-5496	#89-5553	#90-5260
#91-5690	#92-5251	#93-5446	#94-5318	#95-5472	#96-5419	#97-5319	#98-5401	#99-5599	#100-5587

Type 6 #11 [Back to Summary]									
#01-5567	#02-5486	#03-5381	#04-5402	#05-5443	#06-5371	#07-5446	#08-5387	#09-5435	#10-5616
#11-5514	#12-5474	#13-5714	#14-5336	#15-5488	#16-5680	#17-5334	#18-5622	#19-5409	#20-5553
#21-5675	#22-5478	#23-5690	#24-5372	#25-5330	#26-5281	#27-5706	#28-5724	#29-5552	#30-5696
#31-5637	#32-5406	#33-5638	#34-5607	#35-5627	#36-5686	#37-5437	#38-5356	#39-5561	#40-5677
#41-5717	#42-5323	#43-5299	#44-5654	#45-5472	#46-5467	#47-5260	#48-5352	#49-5549	#50-5510
#51-5327	#52-5416	#53-5712	#54-5287	#55-5625	#56-5338	#57-5522	#58-5255	#59-5314	#60-5410
#61-5391	#62-5448	#63-5560	#64-5462	#65-5698	#66-5353	#67-5558	#68-5351	#69-5433	#70-5523
#71-5493	#72-5699	#73-5303	#74-5455	#75-5562	#76-5595	#77-5423	#78-5277	#79-5624	#80-5588
#81-5269	#82-5599	#83-5421	#84-5289	#85-5614	#86-5475	#87-5417	#88-5598	#89-5704	#90-5538
#91-5414	#92-5432	#93-5291	#94-5399	#95-5540	#96-5525	#97-5498	#98-5570	#99-5681	#100-5366

Type 6 #12 [Back to Summary]									
#01-5637	#02-5632	#03-5647	#04-5281	#05-5271	#06-5356	#07-5361	#08-5510	#09-5456	#10-5285
#11-5641	#12-5492	#13-5355	#14-5454	#15-5390	#16-5518	#17-5273	#18-5522	#19-5572	#20-5478
#21-5664	#22-5685	#23-5374	#24-5618	#25-5352	#26-5307	#27-5659	#28-5627	#29-5639	#30-5287
#31-5351	#32-5581	#33-5322	#34-5506	#35-5679	#36-5366	#37-5680	#38-5394	#39-5267	#40-5512
#41-5367	#42-5629	#43-5398	#44-5673	#45-5620	#46-5651	#47-5328	#48-5562	#49-5263	#50-5275
#51-5499	#52-5702	#53-5721	#54-5457	#55-5434	#56-5681	#57-5509	#58-5279	#59-5653	#60-5692
#61-5423	#62-5455	#63-5592	#64-5420	#65-5656	#66-5310	#67-5421	#68-5571	#69-5501	#70-5276
#71-5559	#72-5603	#73-5497	#74-5313	#75-5369	#76-5283	#77-5540	#78-5428	#79-5720	#80-5430
#81-5705	#82-5343	#83-5608	#84-5610	#85-5511	#86-5379	#87-5583	#88-5586	#89-5324	#90-5723
#91-5573	#92-5648	#93-5461	#94-5304	#95-5338	#96-5626	#97-5289	#98-5698	#99-5261	#100-5558



Type 6 #13 [Back to Summary]									
#01-5480	#02-5477	#03-5311	#04-5715	#05-5435	#06-5617	#07-5449	#08-5660	#09-5340	#10-5401
#11-5387	#12-5332	#13-5281	#14-5476	#15-5710	#16-5328	#17-5568	#18-5705	#19-5633	#20-5531
#21-5446	#22-5555	#23-5503	#24-5506	#25-5420	#26-5637	#27-5393	#28-5444	#29-5696	#30-5458
#31-5720	#32-5567	#33-5408	#34-5402	#35-5671	#36-5475	#37-5279	#38-5622	#39-5426	#40-5616
#41-5650	#42-5649	#43-5498	#44-5643	#45-5582	#46-5493	#47-5613	#48-5711	#49-5314	#50-5257
#51-5310	#52-5300	#53-5312	#54-5457	#55-5365	#56-5651	#57-5698	#58-5532	#59-5542	#60-5523
#61-5468	#62-5253	#63-5685	#64-5603	#65-5403	#66-5545	#67-5644	#68-5597	#69-5524	#70-5482
#71-5294	#72-5668	#73-5525	#74-5265	#75-5600	#76-5517	#77-5304	#78-5578	#79-5642	#80-5653
#81-5268	#82-5400	#83-5372	#84-5688	#85-5386	#86-5665	#87-5500	#88-5677	#89-5286	#90-5272
#91-5495	#92-5467	#93-5330	#94-5624	#95-5391	#96-5641	#97-5687	#98-5607	#99-5483	#100-5288

Type 6 #14 [Back to Summary]									
#01-5572	#02-5266	#03-5434	#04-5558	#05-5685	#06-5369	#07-5500	#08-5297	#09-5580	#10-5573
#11-5596	#12-5368	#13-5613	#14-5617	#15-5504	#16-5312	#17-5602	#18-5723	#19-5462	#20-5464
#21-5290	#22-5694	#23-5561	#24-5502	#25-5709	#26-5545	#27-5588	#28-5626	#29-5592	#30-5681
#31-5550	#32-5410	#33-5341	#34-5608	#35-5328	#36-5251	#37-5699	#38-5536	#39-5254	#40-5275
#41-5414	#42-5453	#43-5349	#44-5437	#45-5400	#46-5380	#47-5586	#48-5438	#49-5371	#50-5333
#51-5295	#52-5689	#53-5401	#54-5272	#55-5720	#56-5605	#57-5427	#58-5655	#59-5570	#60-5386
#61-5505	#62-5601	#63-5428	#64-5625	#65-5264	#66-5429	#67-5277	#68-5255	#69-5532	#70-5506
#71-5339	#72-5310	#73-5718	#74-5443	#75-5303	#76-5557	#77-5597	#78-5375	#79-5354	#80-5579
#81-5684	#82-5402	#83-5499	#84-5510	#85-5641	#86-5594	#87-5265	#88-5324	#89-5618	#90-5454
#91-5546	#92-5296	#93-5695	#94-5591	#95-5490	#96-5537	#97-5282	#98-5455	#99-5424	#100-5700

Type 6 #15 [Back to Summary]									
#01-5355	#02-5584	#03-5629	#04-5591	#05-5721	#06-5712	#07-5693	#08-5683	#09-5694	#10-5410
#11-5258	#12-5303	#13-5549	#14-5719	#15-5424	#16-5354	#17-5347	#18-5641	#19-5706	#20-5396
#21-5414	#22-5672	#23-5366	#24-5332	#25-5676	#26-5292	#27-5337	#28-5379	#29-5665	#30-5484
#31-5527	#32-5392	#33-5668	#34-5377	#35-5473	#36-5350	#37-5495	#38-5630	#39-5511	#40-5644
#41-5615	#42-5300	#43-5349	#44-5450	#45-5443	#46-5494	#47-5466	#48-5698	#49-5417	#50-5387
#51-5442	#52-5358	#53-5470	#54-5275	#55-5536	#56-5403	#57-5469	#58-5546	#59-5632	#60-5673
#61-5619	#62-5565	#63-5263	#64-5461	#65-5603	#66-5588	#67-5351	#68-5426	#69-5498	#70-5318
#71-5581	#72-5438	#73-5380	#74-5307	#75-5504	#76-5360	#77-5575	#78-5642	#79-5613	#80-5436
#81-5552	#82-5362	#83-5686	#84-5532	#85-5288	#86-5421	#87-5648	#88-5645	#89-5564	#90-5316
#91-5606	#92-5675	#93-5724	#94-5557	#95-5271	#96-5301	#97-5284	#98-5610	#99-5562	#100-5571

Type 6 #16 [Back to Summary]									
#01-5390	#02-5290	#03-5454	#04-5342	#05-5529	#06-5253	#07-5703	#08-5409	#09-5504	#10-5425
#11-5553	#12-5550	#13-5653	#14-5450	#15-5373	#16-5513	#17-5607	#18-5458	#19-5417	#20-5437
#21-5669	#22-5433	#23-5585	#24-5423	#25-5439	#26-5636	#27-5440	#28-5547	#29-5285	#30-5447
#31-5321	#32-5688	#33-5325	#34-5291	#35-5296	#36-5516	#37-5637	#38-5597	#39-5255	#40-5289
#41-5446	#42-5494	#43-5392	#44-5393	#45-5500	#46-5312	#47-5272	#48-5532	#49-5442	#50-5493
#51-5426	#52-5565	#53-5455	#54-5378	#55-5638	#56-5684	#57-5434	#58-5278	#59-5632	#60-5622
#61-5545	#62-5405	#63-5368	#64-5308	#65-5351	#66-5595	#67-5480	#68-5617	#69-5403	#70-5592
#71-5608	#72-5261	#73-5462	#74-5376	#75-5719	#76-5429	#77-5292	#78-5448	#79-5660	#80-5374
#81-5619	#82-5647	#83-5356	#84-5533	#85-5269	#86-5499	#87-5498	#88-5676	#89-5383	#90-5338
#91-5330	#92-5613	#93-5694	#94-5360	#95-5485	#96-5283	#97-5369	#98-5336	#99-5295	#100-5640

Type 6 #17 [Back to Summary]									
#01-5563	#02-5385	#03-5370	#04-5576	#05-5612	#06-5414	#07-5353	#08-5317	#09-5388	#10-5456
#11-5643	#12-5718	#13-5347	#14-5503	#15-5256	#16-5625	#17-5299	#18-5573	#19-5287	#20-5586
#21-5349	#22-5527	#23-5478	#24-5315	#25-5509	#26-5719	#27-5295	#28-5340	#29-5629	#30-5684
#31-5308	#32-5678	#33-5401	#34-5272	#35-5539	#36-5477	#37-5520	#38-5507	#39-5639	#40-5582
#41-5389	#42-5424	#43-5536	#44-5657	#45-5425	#46-5335	#47-5508	#48-5440	#49-5357	#50-5579
#51-5709	#52-5523	#53-5297	#54-5434	#55-5534	#56-5285	#57-5637	#58-5305	#59-5321	#60-5619
#61-5372	#62-5264	#63-5420	#64-5433	#65-5400	#66-5690	#67-5574	#68-5328	#69-5691	#70-5506
#71-5360	#72-5521	#73-5662	#74-5437	#75-5454	#76-5655	#77-5716	#78-5550	#79-5618	#80-5422
#81-5465	#82-5587	#83-5708	#84-5298	#85-5698	#86-5512	#87-5631	#88-5688	#89-5467	#90-5497
#91-5566	#92-5462	#93-5438	#94-5268	#95-5461	#96-5369	#97-5253	#98-5358	#99-5513	#100-5460

Type 6 #18 [Back to Summary]									
#01-5489	#02-5431	#03-5473	#04-5575	#05-5470	#06-5441	#07-5588	#08-5593	#09-5707	#10-5605
#11-5294	#12-5336	#13-5409	#14-5624	#15-5402	#16-5511	#17-5278	#18-5365	#19-5454	#20-5612
#21-5307	#22-5608	#23-5584	#24-5437	#25-5666	#26-5619	#27-5328	#28-5641	#29-5695	#30-5327
#31-5649	#32-5609	#33-5285	#34-5407	#35-5658	#36-5279	#37-5358	#38-5385	#39-5551	#40-5506
#41-5652	#42-5288	#43-5709	#44-5582	#45-5453	#46-5479	#47-5301	#48-5538	#49-5589	#50-5677
#51-5341	#52-5614	#53-5629	#54-5625	#55-5398	#56-5603	#57-5565	#58-5282	#59-5637	#60-5571
#61-5361	#62-5675	#63-5621	#64-5628	#65-5684	#66-5408	#67-5299	#68-5252	#69-5693	#70-5373
#71-5399	#72-5615	#73-5529	#74-5673	#75-5687	#76-5267	#77-5620	#78-5723	#79-5710	#80-5430
#81-5553	#82-5505	#83-5297	#84-5266	#85-5714	#86-5284	#87-5704	#88-5384	#89-5257	#90-5303
#91-5432	#92-5325	#93-5474	#94-5699	#95-5392	#96-5700	#97-5390	#98-5332	#99-5626	#100-5295

Type 6 #19 [Back to Summary]									
#01-5428	#02-5298	#03-5574	#04-5467	#05-5524	#06-5446	#07-5325	#08-5681	#09-5664	#10-5381
#11-5709	#12-5573	#13-5300	#14-5450	#15-5263	#16-5572	#17-5625	#18-5602	#19-5639	#20-5647
#21-5427	#22-5636	#23-5719	#24-5641	#25-5666	#26-5328	#27-5391	#28-5557	#29-5525	#30-5706
#31-5598	#32-5539	#33-5341	#34-5665	#35-5256	#36-5510	#37-5663	#38-5549	#39-5465	#40-5511
#41-5684	#42-5275	#43-5442	#44-5596	#45-5313	#46-5580	#47-5273	#48-5277	#49-5687	#50-5540
#51-5327	#52-5506	#53-5411	#54-5707	#55-5585	#56-5508	#57-5304	#58-5653	#59-5519	#60-5438
#61-5303	#62-5483	#63-5398	#64-5680	#65-5497	#66-5408	#67-5476	#68-5358	#69-5437	#70-5468
#71-5629	#72-5319	#73-5377	#74-5369	#75-5690	#76-5400	#77-5435	#78-5365	#79-5577	#80-5332
#81-5302	#82-5366	#83-5600	#84-5708	#85-5628	#86-5338	#87-5378	#88-5357	#89-5326	#90-5466
#91-5461	#92-5258	#93-5279	#94-5274	#95-5469	#96-5447	#97-5599	#98-5493	#99-5348	#100-5624

Type 6 #20 [Back to Summary]									
#01-5352	#02-5638	#03-5558	#04-5464	#05-5637	#06-5256	#07-5382	#08-5293	#09-5269	#10-5435
#11-5327	#12-5662	#13-5330	#14-5446	#15-5392	#16-5661	#17-5613	#18-5421	#19-5301	#20-5418
#21-5285	#22-5373	#23-5282	#24-5702	#25-5260	#26-5623	#27-5292	#28-5361	#29-5633	#30-5499
#31-5534	#32-5675	#33-5273	#34-5679	#35-5705	#36-5396	#37-5536	#38-5390	#39-5323	#40-5624
#41-5682	#42-5340	#43-5346	#44-5615	#45-5398	#46-5528	#47-5655	#48-5562	#49-5607	#50-5527
#51-5555	#52-5433	#53-5445	#54-5656	#55-5588	#56-5708	#57-5602	#58-5579	#59-5457	#60-5264
#61-5692	#62-5277	#63-5387	#64-5500	#65-5627	#66-5379	#67-5639	#68-5377	#69-5468	#70-5723
#71-5378	#72-5480	#73-5350	#74-5406	#75-5465	#76-5673	#77-5281	#78-5394	#79-5561	#80-5463
#81-5693	#82-5458	#83-5476	#84-5355	#85-5663	#86-5351	#87-5488	#88-5339	#89-5335	#90-5722
#91-5513	#92-5676	#93-5652	#94-5306	#95-5654	#96-5650	#97-5677	#98-5564	#99-5714	#100-5261

Type 6 #21 [Back to Summary]									
#01-5612	#02-5529	#03-5345	#04-5611	#05-5400	#06-5327	#07-5329	#08-5289	#09-5447	#10-5643
#11-5677	#12-5469	#13-5270	#14-5720	#15-5297	#16-5488	#17-5531	#18-5280	#19-5563	#20-5526
#21-5621	#22-5548	#23-5290	#24-5466	#25-5463	#26-5425	#27-5549	#28-5296	#29-5467	#30-5532
#31-5722	#32-5437	#33-5398	#34-5552	#35-5575	#36-5411	#37-5358	#38-5588	#39-5680	#40-5587
#41-5271	#42-5441	#43-5624	#44-5419	#45-5299	#46-5292	#47-5658	#48-5663	#49-5257	#50-5421
#51-5375	#52-5648	#53-5253	#54-5439	#55-5369	#56-5318	#57-5495	#58-5606	#59-5397	#60-5701
#61-5509	#62-5285	#63-5553	#64-5644	#65-5646	#66-5489	#67-5322	#68-5450	#69-5399	#70-5613
#71-5379	#72-5674	#73-5330	#74-5703	#75-5506	#76-5429	#77-5654	#78-5594	#79-5420	#80-5424
#81-5499	#82-5614	#83-5286	#84-5300	#85-5405	#86-5331	#87-5440	#88-5689	#89-5434	#90-5512
#91-5650	#92-5482	#93-5442	#94-5705	#95-5332	#96-5713	#97-5620	#98-5704	#99-5504	#100-5537

Type 6 #22 [Back to Summary]									
#01-5697	#02-5457	#03-5511	#04-5372	#05-5292	#06-5429	#07-5570	#08-5276	#09-5659	#10-5665
#11-5387	#12-5621	#13-5434	#14-5700	#15-5454	#16-5619	#17-5722	#18-5502	#19-5485	#20-5566
#21-5301	#22-5356	#23-5265	#24-5615	#25-5687	#26-5624	#27-5482	#28-5346	#29-5623	#30-5515
#31-5532	#32-5672	#33-5340	#34-5607	#35-5447	#36-5286	#37-5347	#38-5638	#39-5252	#40-5701
#41-5478	#42-5406	#43-5277	#44-5491	#45-5368	#46-5273	#47-5297	#48-5462	#49-5500	#50-5430
#51-5715	#52-5365	#53-5469	#54-5656	#55-5483	#56-5588	#57-5439	#58-5617	#59-5408	#60-5391
#61-5669	#62-5472	#63-5376	#64-5393	#65-5380	#66-5440	#67-5535	#68-5550	#69-5504	#70-5415
#71-5527	#72-5330	#73-5507	#74-5517	#75-5333	#76-5620	#77-5327	#78-5505	#79-5501	#80-5666
#81-5583	#82-5270	#83-5577	#84-5442	#85-5531	#86-5416	#87-5453	#88-5404	#89-5375	#90-5591
#91-5575	#92-5452	#93-5480	#94-5590	#95-5281	#96-5258	#97-5283	#98-5611	#99-5357	#100-5658

Type 6 #23 [Back to Summary]									
#01-5469	#02-5472	#03-5688	#04-5331	#05-5633	#06-5630	#07-5587	#08-5682	#09-5569	#10-5585
#11-5505	#12-5665	#13-5368	#14-5466	#15-5534	#16-5646	#17-5620	#18-5658	#19-5591	#20-5689
#21-5710	#22-5367	#23-5413	#24-5634	#25-5563	#26-5315	#27-5573	#28-5638	#29-5473	#30-5323
#31-5580	#32-5441	#33-5386	#34-5560	#35-5438	#36-5353	#37-5304	#38-5488	#39-5528	#40-5615
#41-5548	#42-5491	#43-5555	#44-5509	#45-5322	#46-5627	#47-5328	#48-5257	#49-5294	#50-5357
#51-5359	#52-5344	#53-5263	#54-5396	#55-5672	#56-5346	#57-5300	#58-5297	#59-5483	#60-5562
#61-5299	#62-5675	#63-5451	#64-5494	#65-5250	#66-5310	#67-5524	#68-5525	#69-5274	#70-5426
#71-5590	#72-5382	#73-5378	#74-5703	#75-5385	#76-5461	#77-5536	#78-5629	#79-5558	#80-5668
#81-5713	#82-5571	#83-5595	#84-5370	#85-5693	#86-5485	#87-5430	#88-5719	#89-5622	#90-5345
#91-5302	#92-5259	#93-5256	#94-5696	#95-5565	#96-5606	#97-5290	#98-5318	#99-5512	#100-5268

Type 6 #24 [Back to Summary]									
#01-5354	#02-5531	#03-5708	#04-5595	#05-5495	#06-5705	#07-5695	#08-5287	#09-5264	#10-5456
#11-5537	#12-5400	#13-5465	#14-5545	#15-5579	#16-5452	#17-5329	#18-5334	#19-5528	#20-5485
#21-5603	#22-5532	#23-5629	#24-5653	#25-5371	#26-5578	#27-5372	#28-5404	#29-5383	#30-5499
#31-5419	#32-5467	#33-5360	#34-5544	#35-5564	#36-5428	#37-5591	#38-5721	#39-5600	#40-5710
#41-5514	#42-5392	#43-5701	#44-5413	#45-5534	#46-5631	#47-5513	#48-5433	#49-5358	#50-5353
#51-5524	#52-5681	#53-5509	#54-5276	#55-5387	#56-5550	#57-5630	#58-5302	#59-5470	#60-5645
#61-5584	#62-5542	#63-5632	#64-5483	#65-5284	#66-5315	#67-5286	#68-5652	#69-5707	#70-5395
#71-5594	#72-5328	#73-5457	#74-5546	#75-5691	#76-5448	#77-5555	#78-5454	#79-5362	#80-5464
#81-5306	#82-5663	#83-5288	#84-5269	#85-5697	#86-5458	#87-5678	#88-5330	#89-5397	#90-5261
#91-5525	#92-5530	#93-5496	#94-5677	#95-5374	#96-5699	#97-5489	#98-5460	#99-5376	#100-5462

Type 6 #25 [Back to Summary]									
#01-5590	#02-5593	#03-5452	#04-5691	#05-5492	#06-5440	#07-5470	#08-5694	#09-5308	#10-5660
#11-5719	#12-5414	#13-5661	#14-5254	#15-5579	#16-5642	#17-5500	#18-5604	#19-5513	#20-5547
#21-5361	#22-5678	#23-5495	#24-5693	#25-5594	#26-5309	#27-5557	#28-5503	#29-5410	#30-5717
#31-5684	#32-5336	#33-5328	#34-5624	#35-5599	#36-5436	#37-5453	#38-5320	#39-5499	#40-5502
#41-5714	#42-5709	#43-5273	#44-5458	#45-5269	#46-5357	#47-5588	#48-5487	#49-5345	#50-5451
#51-5443	#52-5611	#53-5669	#54-5550	#55-5348	#56-5633	#57-5341	#58-5479	#59-5342	#60-5426
#61-5605	#62-5686	#63-5526	#64-5312	#65-5698	#66-5627	#67-5332	#68-5283	#69-5375	#70-5386
#71-5431	#72-5422	#73-5351	#74-5259	#75-5558	#76-5378	#77-5652	#78-5284	#79-5671	#80-5484
#81-5439	#82-5315	#83-5406	#84-5680	#85-5520	#86-5322	#87-5390	#88-5504	#89-5529	#90-5690
#91-5347	#92-5699	#93-5703	#94-5317	#95-5620	#96-5275	#97-5429	#98-5676	#99-5488	#100-5366

Type 6 #26 [Back to Summary]									
#01-5272	#02-5557	#03-5367	#04-5683	#05-5269	#06-5273	#07-5510	#08-5662	#09-5720	#10-5696
#11-5705	#12-5311	#13-5534	#14-5581	#15-5714	#16-5536	#17-5525	#18-5568	#19-5518	#20-5622
#21-5484	#22-5559	#23-5478	#24-5406	#25-5291	#26-5460	#27-5445	#28-5281	#29-5360	#30-5531
#31-5669	#32-5695	#33-5515	#34-5558	#35-5459	#36-5609	#37-5673	#38-5444	#39-5659	#40-5492
#41-5538	#42-5446	#43-5500	#44-5552	#45-5710	#46-5289	#47-5405	#48-5368	#49-5329	#50-5334
#51-5468	#52-5589	#53-5404	#54-5592	#55-5601	#56-5430	#57-5321	#58-5680	#59-5641	#60-5526
#61-5545	#62-5473	#63-5550	#64-5427	#65-5275	#66-5257	#67-5508	#68-5701	#69-5363	#70-5351
#71-5590	#72-5326	#73-5631	#74-5276	#75-5333	#76-5288	#77-5306	#78-5653	#79-5419	#80-5251
#81-5304	#82-5331	#83-5674	#84-5277	#85-5314	#86-5340	#87-5541	#88-5652	#89-5682	#90-5280
#91-5537	#92-5718	#93-5530	#94-5385	#95-5672	#96-5315	#97-5624	#98-5324	#99-5523	#100-5702

Type 6 #27 [Back to Summary]									
#01-5499	#02-5433	#03-5254	#04-5701	#05-5472	#06-5394	#07-5680	#08-5383	#09-5508	#10-5565
#11-5379	#12-5393	#13-5511	#14-5642	#15-5478	#16-5468	#17-5532	#18-5528	#19-5372	#20-5667
#21-5443	#22-5587	#23-5270	#24-5336	#25-5546	#26-5597	#27-5520	#28-5497	#29-5322	#30-5274
#31-5385	#32-5711	#33-5374	#34-5445	#35-5477	#36-5596	#37-5320	#38-5698	#39-5531	#40-5641
#41-5375	#42-5404	#43-5398	#44-5363	#45-5624	#46-5392	#47-5460	#48-5618	#49-5632	#50-5455
#51-5507	#52-5343	#53-5670	#54-5588	#55-5510	#56-5640	#57-5413	#58-5644	#59-5407	#60-5604
#61-5602	#62-5429	#63-5304	#64-5484	#65-5425	#66-5390	#67-5265	#68-5309	#69-5416	#70-5613
#71-5395	#72-5561	#73-5724	#74-5461	#75-5543	#76-5288	#77-5439	#78-5630	#79-5444	#80-5397
#81-5377	#82-5633	#83-5595	#84-5598	#85-5495	#86-5285	#87-5290	#88-5522	#89-5666	#90-5567
#91-5428	#92-5408	#93-5545	#94-5656	#95-5287	#96-5677	#97-5339	#98-5646	#99-5672	#100-5476

Type 6 #28 [Back to Summary]									
#01-5377	#02-5396	#03-5452	#04-5269	#05-5309	#06-5673	#07-5350	#08-5460	#09-5296	#10-5471
#11-5453	#12-5516	#13-5448	#14-5258	#15-5472	#16-5697	#17-5565	#18-5439	#19-5715	#20-5389
#21-5353	#22-5481	#23-5376	#24-5581	#25-5431	#26-5712	#27-5267	#28-5324	#29-5421	#30-5596
#31-5669	#32-5529	#33-5684	#34-5691	#35-5273	#36-5714	#37-5427	#38-5576	#39-5538	#40-5547
#41-5660	#42-5561	#43-5470	#44-5444	#45-5360	#46-5640	#47-5685	#48-5532	#49-5430	#50-5317
#51-5358	#52-5630	#53-5647	#54-5526	#55-5370	#56-5624	#57-5270	#58-5599	#59-5564	#60-5320
#61-5654	#62-5277	#63-5288	#64-5428	#65-5522	#66-5650	#67-5553	#68-5483	#69-5710	#70-5479
#71-5519	#72-5711	#73-5625	#74-5414	#75-5449	#76-5515	#77-5255	#78-5655	#79-5464	#80-5512
#81-5278	#82-5459	#83-5614	#84-5347	#85-5486	#86-5291	#87-5602	#88-5404	#89-5572	#90-5368
#91-5694	#92-5555	#93-5261	#94-5465	#95-5613	#96-5636	#97-5523	#98-5292	#99-5648	#100-5432

Type 6 #29 [Back to Summary]									
#01-5338	#02-5457	#03-5546	#04-5680	#05-5523	#06-5372	#07-5253	#08-5479	#09-5325	#10-5580
#11-5621	#12-5339	#13-5385	#14-5298	#15-5295	#16-5447	#17-5388	#18-5662	#19-5673	#20-5485
#21-5301	#22-5397	#23-5635	#24-5591	#25-5509	#26-5693	#27-5702	#28-5415	#29-5532	#30-5540
#31-5721	#32-5690	#33-5258	#34-5279	#35-5427	#36-5545	#37-5639	#38-5658	#39-5553	#40-5359
#41-5285	#42-5373	#43-5333	#44-5715	#45-5475	#46-5605	#47-5421	#48-5686	#49-5419	#50-5418
#51-5502	#52-5585	#53-5342	#54-5416	#55-5384	#56-5668	#57-5549	#58-5678	#59-5425	#60-5559
#61-5396	#62-5566	#63-5670	#64-5510	#65-5582	#66-5650	#67-5327	#68-5352	#69-5598	#70-5476
#71-5528	#72-5450	#73-5355	#74-5564	#75-5446	#76-5652	#77-5307	#78-5641	#79-5362	#80-5624
#81-5518	#82-5263	#83-5719	#84-5361	#85-5284	#86-5386	#87-5600	#88-5567	#89-5617	#90-5480
#91-5722	#92-5684	#93-5486	#94-5718	#95-5685	#96-5442	#97-5423	#98-5542	#99-5378	#100-5541

Type 6 #30 [Back to Summary]									
#01-5525	#02-5315	#03-5340	#04-5666	#05-5612	#06-5301	#07-5477	#08-5503	#09-5694	#10-5455
#11-5608	#12-5629	#13-5564	#14-5519	#15-5284	#16-5383	#17-5569	#18-5558	#19-5472	#20-5444
#21-5304	#22-5488	#23-5458	#24-5366	#25-5480	#26-5573	#27-5688	#28-5361	#29-5602	#30-5250
#31-5479	#32-5490	#33-5511	#34-5544	#35-5349	#36-5451	#37-5651	#38-5302	#39-5473	#40-5710
#41-5635	#42-5344	#43-5598	#44-5410	#45-5597	#46-5339	#47-5370	#48-5692	#49-5684	#50-5553
#51-5603	#52-5589	#53-5319	#54-5662	#55-5491	#56-5282	#57-5580	#58-5699	#59-5430	#60-5290
#61-5337	#62-5364	#63-5628	#64-5695	#65-5703	#66-5371	#67-5369	#68-5270	#69-5419	#70-5552
#71-5456	#72-5516	#73-5331	#74-5492	#75-5538	#76-5682	#77-5619	#78-5293	#79-5495	#80-5389
#81-5445	#82-5721	#83-5401	#84-5295	#85-5376	#86-5617	#87-5416	#88-5575	#89-5298	#90-5313
#91-5601	#92-5675	#93-5592	#94-5431	#95-5623	#96-5518	#97-5439	#98-5633	#99-5433	#100-5474

Type 5 #1 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	376758	51	1713	0	478569	857142
2	3	6	99991	97	1919	1221	753720	857142
3	2	6	688592	92	1485	0	166881	857142
4	3	6	396093	54	1414	1593	457880	857142
5	1	6	522726	64	0	0	334352	857142
6	3	6	735870	73	1734	1774	117545	857142
7	2	6	596788	82	1111	0	259079	857142
8	1	6	770497	79	0	0	86566	857142
9	2	6	108974	92	1333	0	746651	857142
10	1	6	605860	78	0	0	251204	857142
11	3	6	763525	57	1724	1873	89849	857142
12	3	6	394320	72	1672	1831	459103	857142
13	1	6	219591	72	0	0	637479	857142
14	3	6	646897	60	1374	1384	207307	857142

Type 5 #2 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	20901	58	1347	1395	726183	750000
2	3	19	163143	96	1137	1707	583725	750000
3	1	19	555595	63	0	0	194342	750000
4	3	19	173592	72	1282	1376	573534	750000
5	1	19	71517	53	0	0	678430	750000
6	2	19	132466	51	1618	0	615814	750000
7	2	19	376783	62	1939	0	371154	750000
8	2	19	351306	80	1477	0	397057	750000
9	3	19	43142	56	1224	1060	704406	750000
10	3	19	615267	69	1783	1751	130992	750000
11	1	19	731509	71	0	0	18420	750000
12	1	19	322798	60	0	0	427142	750000
13	3	19	722053	64	1004	1530	25221	750000
14	2	19	186573	81	1872	0	561393	750000
15	3	19	725951	56	1908	1464	20509	750000
16	1	19	566835	51	0	0	183114	750000

Type 5 #3 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	20	301144	54	1529	0	497219	800000
2	2	20	90640	87	1528	0	707658	800000
3	3	20	407485	66	1191	1669	389457	800000
4	2	20	284160	75	1300	0	514390	800000
5	3	20	679641	72	1002	1281	117860	800000
6	3	20	133045	64	1451	1622	663690	800000
7	3	20	696067	94	1543	1342	100766	800000
8	2	20	637	70	1380	0	797843	800000
9	1	20	295632	84	0	0	504284	800000
10	2	20	493803	57	1308	0	304775	800000
11	3	20	733476	82	1543	1634	63101	800000
12	1	20	194796	87	0	0	605117	800000
13	1	20	122744	75	0	0	677181	800000
14	1	20	134832	90	0	0	665078	800000
15	2	20	779550	82	1931	0	18355	800000

Type 5 #4 5563 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	742123	57	0	0	257820	1000000
2	3	12	814635	64	1336	1337	182500	1000000
3	1	12	345702	84	0	0	654214	1000000
4	1	12	196504	76	0	0	803420	1000000
5	2	12	977406	81	1580	0	20852	1000000
6	3	12	345027	62	1687	1577	651523	1000000
7	1	12	836610	90	0	0	163300	1000000
8	1	12	103065	96	0	0	896839	1000000
9	3	12	768117	54	1864	1883	227974	1000000
10	2	12	953604	67	1947	0	44315	1000000
11	3	12	736408	84	1936	1529	259875	1000000
12	3	12	309193	64	1162	1305	688148	1000000



Type 5 #5 5561 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	1138313	69	1433	1032	359015	1500000
2	1	18	193705	83	0	0	1306212	1500000
3	1	18	458192	81	0	0	1041727	1500000
4	2	18	378352	81	1822	0	1119664	1500000
5	1	18	530629	62	0	0	969309	1500000
6	2	18	1162172	98	1798	0	335834	1500000
7	1	18	74713	60	0	0	1425227	1500000
8	2	18	782192	76	1098	0	716558	1500000

Type 5 #6 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	847769	60	1537	1803	71787	923076
2	1	5	432538	93	0	0	490445	923076
3	3	5	83428	78	1751	1023	836640	923076
4	2	5	484539	75	1336	0	437051	923076
5	3	5	430903	51	1285	1985	488750	923076
6	1	5	70020	50	0	0	853006	923076
7	3	5	372843	93	1091	1581	547282	923076
8	3	5	127952	53	1855	1060	792050	923076
9	2	5	827720	80	1954	0	93242	923076
10	3	5	816731	86	1633	1677	102777	923076
11	2	5	755550	55	1165	0	166251	923076
12	3	5	361207	73	1989	1838	557823	923076
13	3	5	631795	86	1660	1443	287920	923076

Type 5 #7 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	13	684970	85	1030	0	513830	1200000
2	2	13	928443	65	1784	0	269643	1200000
3	3	13	211391	81	1477	1260	985629	1200000
4	1	13	619755	70	0	0	580175	1200000
5	1	13	285311	59	0	0	914630	1200000
6	3	13	302416	73	1333	1030	895002	1200000
7	2	13	854130	72	1310	0	344416	1200000
8	2	13	722084	90	1118	0	476618	1200000
9	2	13	905221	56	1994	0	292673	1200000
10	1	13	640543	99	0	0	559358	1200000

Type 5 #8 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	9	128451	99	0	0	621450	750000
2	1	9	584461	52	0	0	165487	750000
3	1	9	225246	58	0	0	524696	750000
4	3	9	388828	77	1588	1388	357965	750000
5	2	9	450168	99	1113	0	298521	750000
6	2	9	372281	82	1488	0	376067	750000
7	2	9	491017	97	1519	0	257270	750000
8	1	9	747743	72	0	0	2185	750000
9	3	9	633749	89	1548	1268	113168	750000
10	3	9	707641	61	1750	1062	39364	750000
11	1	9	686592	67	0	0	63341	750000
12	3	9	398359	59	1067	1375	349022	750000
13	2	9	166131	92	1773	0	581912	750000
14	2	9	75749	74	1645	0	672458	750000
15	3	9	531120	70	1030	1753	215887	750000
16	3	9	319355	67	1663	1257	427524	750000

Type 5 #9 5565 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	249091	54	1380	1214	348153	600000
2	1	7	71936	86	0	0	527978	600000
3	2	7	260529	64	1744	0	337599	600000
4	2	7	484402	98	1669	0	113733	600000
5	3	7	32000	99	1412	1719	564572	600000
6	2	7	438369	60	1200	0	160311	600000
7	2	7	319822	85	1348	0	278660	600000
8	3	7	129148	90	1709	1614	467259	600000
9	1	7	229960	83	0	0	369957	600000
10	2	7	362258	89	1992	0	235572	600000
11	3	7	408586	63	1149	1143	188933	600000
12	2	7	562678	75	1631	0	35541	600000
13	2	7	350069	63	1389	0	248416	600000
14	2	7	97253	72	1902	0	500701	600000
15	3	7	455154	85	1194	1775	141622	600000
16	3	7	18042	66	1540	1860	578360	600000
17	2	7	122811	96	1390	0	475607	600000
18	2	7	46896	93	1059	0	551859	600000
19	3	7	445152	84	1710	1940	150946	600000
20	3	7	265039	56	1345	1089	332359	600000

Type 5 #10 5560 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	518821	58	1091	1914	568909	1090909
2	2	19	208232	74	1588	0	880941	1090909
3	3	19	940567	52	1690	1881	146615	1090909
4	2	19	272002	53	1815	0	816986	1090909
5	2	19	665063	71	1514	0	424190	1090909
6	1	19	647366	52	0	0	443491	1090909
7	3	19	1074427	70	1928	1393	12951	1090909
8	3	19	171062	98	1233	1282	917038	1090909
9	3	19	612649	97	1562	1038	475369	1090909
10	3	19	461977	85	1438	1302	625937	1090909
11	2	19	664264	82	1669	0	424812	1090909

Type 5 #11 5564 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	10	826155	56	1297	0	95512	923076
2	3	10	85190	79	1833	1533	834283	923076
3	3	10	564138	75	1953	1081	355679	923076
4	1	10	493833	57	0	0	429186	923076
5	3	10	486476	75	1976	1466	432933	923076
6	2	10	376671	68	1800	0	544469	923076
7	1	10	845353	79	0	0	77644	923076
8	2	10	802166	90	1087	0	119643	923076
9	2	10	809315	96	1707	0	111862	923076
10	1	10	912108	72	0	0	10896	923076
11	3	10	389282	69	1596	1288	530703	923076
12	2	10	376281	66	1306	0	545357	923076
13	1	10	346745	73	0	0	576258	923076

Type 5 #12 5563 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	12	61710	99	1401	1285	1135307	1200000
2	3	12	971227	83	1588	1143	225793	1200000
3	2	12	41027	97	1966	0	1156813	1200000
4	3	12	611970	88	1295	1112	585359	1200000
5	2	12	397987	82	1004	0	800845	1200000
6	2	12	434016	72	1252	0	764588	1200000
7	2	12	3017	52	1402	0	1195477	1200000
8	3	12	519093	68	1823	1670	677210	1200000
9	1	12	965913	71	0	0	234016	1200000
10	2	12	17003	94	1409	0	1181400	1200000

Type 5 #13 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	15452	94	0	0	1484454	1500000
2	1	15	674153	95	0	0	825752	1500000
3	3	15	1493198	94	1564	1617	3339	1500000
4	2	15	115796	74	1442	0	1382614	1500000
5	1	15	557312	61	0	0	942627	1500000
6	3	15	735108	89	1024	1082	762519	1500000
7	1	15	207261	86	0	0	1292653	1500000
8	2	15	989828	85	1495	0	508507	1500000

Type 5 #14 5560 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	434156	63	1377	1172	654015	1090909
2	3	19	151328	79	1387	1040	936917	1090909
3	2	19	881758	77	1241	0	207756	1090909
4	3	19	521591	98	1635	1168	566221	1090909
5	3	19	220350	65	1893	1116	867355	1090909
6	2	19	487194	54	1245	0	602362	1090909
7	1	19	994769	76	0	0	96064	1090909
8	1	19	152496	54	0	0	938359	1090909
9	2	19	1079010	54	1924	0	9867	1090909
10	3	19	13797	71	1434	1734	1073731	1090909
11	2	19	764138	88	1220	0	325375	1090909

Type 5 #15 5499 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	727665	59	1463	1058	269637	1000000
2	2	18	322151	95	1711	0	675948	1000000
3	1	18	755005	53	0	0	244942	1000000
4	3	18	800750	96	1303	1363	196296	1000000
5	3	18	735827	61	1066	1690	261234	1000000
6	3	18	768547	51	1299	1810	228191	1000000
7	3	18	347404	57	1738	1094	649593	1000000
8	3	18	286529	98	1836	1465	709876	1000000
9	3	18	829895	57	1396	1947	166591	1000000
10	3	18	950779	88	1601	1049	46307	1000000
11	2	18	535518	68	1608	0	462738	1000000
12	3	18	373071	70	1056	1120	624543	1000000

Type 5 #16 5498 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	15	576406	99	1456	1087	20754	600000
2	3	15	497161	67	1000	1910	99728	600000
3	2	15	470621	58	1651	0	127612	600000
4	3	15	583702	78	1740	1698	12626	600000
5	1	15	282058	54	0	0	317888	600000
6	3	15	14298	58	1930	1481	582117	600000
7	1	15	340419	90	0	0	259491	600000
8	3	15	319742	81	1406	1897	276712	600000
9	3	15	432303	98	1226	1667	164510	600000
10	1	15	246556	61	0	0	353383	600000
11	1	15	595048	99	0	0	4853	600000
12	2	15	562916	100	1613	0	35271	600000
13	1	15	365275	53	0	0	234672	600000
14	3	15	550350	69	1384	1567	46492	600000
15	1	15	28049	57	0	0	571894	600000
16	3	15	227092	51	1108	1863	369784	600000
17	1	15	319745	53	0	0	280202	600000
18	2	15	56443	91	1098	0	542277	600000
19	1	15	548634	94	0	0	51272	600000
20	3	15	250633	74	1464	1520	346161	600000

Type 5 #17 5561 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	519320	69	0	0	480611	1000000
2	3	18	887884	64	1135	1113	109676	1000000
3	1	18	157434	68	0	0	842498	1000000
4	3	18	52157	64	2000	1473	944178	1000000
5	1	18	567404	62	0	0	432534	1000000
6	2	18	211923	75	1772	0	786155	1000000
7	3	18	196509	95	1549	1388	800269	1000000
8	2	18	869130	58	1867	0	128887	1000000
9	3	18	91779	95	1800	1069	905067	1000000
10	2	18	706428	59	1420	0	292034	1000000
11	3	18	487013	56	1259	1790	509770	1000000
12	2	18	691152	55	1455	0	307283	1000000

Type 5 #18 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	318817	78	1112	1132	278705	600000
2	1	8	490497	59	0	0	109444	600000
3	1	8	356257	66	0	0	243677	600000
4	1	8	126355	60	0	0	473585	600000
5	2	8	567740	56	1875	0	30273	600000
6	3	8	591306	89	1677	1348	5402	600000
7	2	8	232770	53	1840	0	365284	600000
8	1	8	345571	93	0	0	254336	600000
9	2	8	339573	80	1940	0	258327	600000
10	3	8	399517	59	1775	1569	196962	600000
11	3	8	214859	74	1786	1122	382011	600000
12	3	8	110487	81	1306	1366	486598	600000
13	1	8	446089	60	0	0	153851	600000
14	2	8	99681	61	1497	0	498700	600000
15	1	8	499699	70	0	0	100231	600000
16	1	8	165440	63	0	0	434497	600000
17	2	8	224128	100	1107	0	374565	600000
18	1	8	431122	95	0	0	168783	600000
19	1	8	145418	51	0	0	454531	600000
20	2	8	395860	60	1679	0	202341	600000

Type 5 #19 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	734308	75	1384	0	64158	800000
2	1	6	123047	83	0	0	676870	800000
3	2	6	613410	84	1375	0	185047	800000
4	3	6	771706	96	1198	1455	25353	800000
5	2	6	147857	97	1925	0	650024	800000
6	1	6	697163	71	0	0	102766	800000
7	1	6	349227	67	0	0	450706	800000
8	1	6	729527	93	0	0	70380	800000
9	3	6	233355	68	1425	1586	563430	800000
10	3	6	602625	96	1833	1123	194131	800000
11	2	6	471666	64	1476	0	326730	800000
12	2	6	716380	82	1577	0	81879	800000
13	3	6	795007	94	1137	1216	2358	800000
14	3	6	793190	97	1520	1907	3092	800000
15	2	6	418675	54	1199	0	380018	800000

Type 5 #20 5499 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	17	1266601	68	1855	1869	229471	1500000
2	2	17	1365215	61	1295	0	133368	1500000
3	2	17	415064	78	1449	0	1083331	1500000
4	3	17	1080776	50	1894	1603	415577	1500000
5	2	17	314208	95	1390	0	1184212	1500000
6	1	17	1262497	100	0	0	237403	1500000
7	2	17	1266910	83	1090	0	231834	1500000
8	1	17	140350	56	0	0	1359594	1500000

Type 5 #21 5497 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	100757	97	1796	0	754395	857142
2	3	12	742159	73	1463	1045	112256	857142
3	3	12	198970	74	1547	1636	654767	857142
4	3	12	74100	70	1367	1975	779490	857142
5	3	12	438190	55	1779	1671	415337	857142
6	1	12	351638	100	0	0	505404	857142
7	3	12	373440	69	1278	1287	480930	857142
8	1	12	38744	54	0	0	818344	857142
9	1	12	556227	99	0	0	300816	857142
10	3	12	286932	73	1742	1445	566804	857142
11	1	12	724897	74	0	0	132171	857142
12	3	12	813693	62	1339	1142	40782	857142
13	3	12	148785	53	1108	1553	705537	857142
14	2	12	327156	53	1594	0	528286	857142



Type 5 #22 5560 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	487375	95	0	0	144108	631578
2	2	19	298600	100	1424	0	331354	631578
3	1	19	250842	72	0	0	380664	631578
4	1	19	159150	95	0	0	472333	631578
5	1	19	408624	62	0	0	222892	631578
6	1	19	430630	81	0	0	200867	631578
7	3	19	478912	85	1954	1834	148623	631578
8	1	19	131765	50	0	0	499763	631578
9	1	19	236925	66	0	0	394587	631578
10	1	19	38731	84	0	0	592763	631578
11	3	19	312612	97	1687	1197	315791	631578
12	3	19	171170	76	1361	1538	457281	631578
13	1	19	56582	63	0	0	574933	631578
14	3	19	272373	64	1470	1460	356083	631578
15	2	19	396797	68	1071	0	233574	631578
16	1	19	98337	53	0	0	533188	631578
17	1	19	400064	69	0	0	231445	631578
18	1	19	306963	100	0	0	324515	631578
19	2	19	334288	99	1177	0	295915	631578

Type 5 #23 5494 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	430265	90	1214	0	1068341	1500000
2	2	6	477358	78	1316	0	1021170	1500000
3	3	6	1279379	87	1450	1678	217232	1500000
4	3	6	163517	99	1639	1068	1333479	1500000
5	3	6	1253820	50	1481	1597	242952	1500000
6	2	6	60186	50	1698	0	1438016	1500000
7	3	6	1147370	53	1365	1970	349136	1500000
8	1	6	790538	81	0	0	709381	1500000

Type 5 #24 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	7	245679	58	0	0	460145	705882
2	1	7	694351	100	0	0	11431	705882
3	1	7	364997	66	0	0	340819	705882
4	3	7	494530	96	1108	1621	208335	705882
5	2	7	211439	80	1017	0	493266	705882
6	1	7	294953	78	0	0	410851	705882
7	2	7	613846	82	1425	0	90447	705882
8	1	7	601335	85	0	0	104462	705882
9	2	7	401326	64	1036	0	303392	705882
10	2	7	400857	89	1268	0	303579	705882
11	3	7	376454	88	1418	1546	326200	705882
12	1	7	161659	55	0	0	544168	705882
13	3	7	647955	51	1793	1552	54429	705882
14	2	7	144797	89	1075	0	559832	705882
15	1	7	106071	81	0	0	599730	705882
16	3	7	81510	83	1485	1039	621599	705882
17	1	7	392646	56	0	0	313180	705882

Type 5 #25 5562 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	14	694396	78	0	0	11408	705882
2	2	14	456873	75	1485	0	247374	705882
3	1	14	181515	100	0	0	524267	705882
4	2	14	279439	94	1140	0	425115	705882
5	2	14	348230	94	1772	0	355692	705882
6	1	14	570368	92	0	0	135422	705882
7	3	14	258060	97	1756	1243	444532	705882
8	1	14	398153	50	0	0	307679	705882
9	1	14	128018	86	0	0	577778	705882
10	1	14	86535	69	0	0	619278	705882
11	3	14	4073	94	1624	1689	698214	705882
12	3	14	47740	82	1840	1841	654215	705882
13	3	14	337630	57	1535	1695	364851	705882
14	3	14	249581	90	1283	1827	452921	705882
15	2	14	700830	79	1884	0	3010	705882
16	3	14	703373	85	1684	1903	-1333	705882
17	1	14	292666	59	0	0	413157	705882

Type 5 #26 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	19	737662	81	1130	0	261046	1000000
2	3	19	11296	80	1500	1791	985173	1000000
3	3	19	12775	63	1291	1935	983810	1000000
4	2	19	165095	57	1148	0	833643	1000000
5	3	19	65601	57	1493	1513	931222	1000000
6	1	19	300195	63	0	0	699742	1000000
7	3	19	512251	73	1998	1963	483569	1000000
8	1	19	183844	100	0	0	816056	1000000
9	1	19	226933	57	0	0	773010	1000000
10	3	19	425037	50	1479	1627	571707	1000000
11	2	19	657367	61	1449	0	341062	1000000
12	3	19	356776	84	1225	1516	640231	1000000

Type 5 #27 5496 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	37015	68	1499	1390	626558	666666
2	1	9	105948	52	0	0	560666	666666
3	1	9	391686	80	0	0	274900	666666
4	2	9	310490	87	1786	0	354216	666666
5	1	9	512990	88	0	0	153588	666666
6	3	9	385141	51	1479	1558	278335	666666
7	2	9	482997	64	1095	0	182446	666666
8	2	9	145364	63	1030	0	520146	666666
9	1	9	568743	59	0	0	97864	666666
10	3	9	560223	71	1626	1355	103249	666666
11	3	9	353422	92	1787	1666	309515	666666
12	3	9	330810	80	1667	1359	332590	666666
13	2	9	114268	74	1282	0	550968	666666
14	2	9	464344	72	1079	0	201099	666666
15	3	9	301405	86	1303	1824	361876	666666
16	3	9	655193	71	1404	1123	8733	666666
17	3	9	128266	84	1489	1429	535230	666666
18	3	9	442100	83	1364	1676	221277	666666

Type 5 #28 5494 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	6	768928	54	0	0	31018	800000
2	3	6	444018	60	1660	1250	352892	800000
3	3	6	592170	72	1701	1600	204313	800000
4	1	6	483311	62	0	0	316627	800000
5	1	6	511568	53	0	0	288379	800000
6	1	6	800519	94	0	0	-613	800000
7	1	6	594876	63	0	0	205061	800000
8	2	6	53379	83	1591	0	744864	800000
9	2	6	91058	62	1626	0	707192	800000
10	3	6	773544	100	1778	1324	23054	800000
11	2	6	502492	75	1984	0	295374	800000
12	3	6	721477	89	1017	1914	75325	800000
13	1	6	61417	66	0	0	738517	800000
14	3	6	7207	68	1144	1042	790403	800000
15	3	6	485493	84	1787	1001	311467	800000

Type 5 #29 5499 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	80329	72	1672	1281	622384	705882
2	2	18	242006	95	1573	0	462113	705882
3	2	18	26234	58	1296	0	678236	705882
4	1	18	198963	82	0	0	506837	705882
5	3	18	475258	99	1567	1827	226933	705882
6	1	18	470339	68	0	0	235475	705882
7	3	18	150658	94	1171	1218	552553	705882
8	2	18	438420	70	1828	0	265494	705882
9	1	18	235149	72	0	0	470661	705882
10	1	18	193770	92	0	0	512020	705882
11	1	18	160239	66	0	0	545577	705882
12	2	18	596634	95	1954	0	107104	705882
13	1	18	34098	93	0	0	671691	705882
14	1	18	339362	96	0	0	366424	705882
15	1	18	84996	97	0	0	620789	705882
16	2	18	465167	81	1803	0	238750	705882
17	3	18	587062	76	1078	1494	116020	705882

Type 5 #30 5498 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	16	420212	73	0	0	329715	750000
2	1	16	431316	99	0	0	318585	750000
3	3	16	673942	76	1724	1853	72253	750000
4	2	16	562873	57	1550	0	185463	750000
5	2	16	602191	90	1074	0	146555	750000
6	2	16	712684	60	1016	0	36180	750000
7	3	16	461066	78	1589	1843	285268	750000
8	2	16	618092	90	1073	0	130655	750000
9	3	16	478873	54	1998	1998	266969	750000
10	3	16	479447	97	1260	1945	267057	750000
11	2	16	26254	50	1929	0	721717	750000
12	2	16	397588	60	1120	0	351172	750000
13	2	16	7504	94	1962	0	740346	750000
14	2	16	357528	64	1020	0	391324	750000
15	2	16	57655	97	1951	0	690200	750000
16	2	16	64360	72	1711	0	683785	750000

Type 6 #1 [Back to Summary]									
#01-5321	#02-5388	#03-5606	#04-5323	#05-5325	#06-5507	#07-5714	#08-5550	#09-5526	#10-5409
#11-5516	#12-5562	#13-5422	#14-5268	#15-5352	#16-5563	#17-5709	#18-5683	#19-5486	#20-5445
#21-5704	#22-5266	#23-5494	#24-5690	#25-5595	#26-5395	#27-5682	#28-5495	#29-5686	#30-5335
#31-5365	#32-5530	#33-5403	#34-5327	#35-5379	#36-5407	#37-5270	#38-5511	#39-5351	#40-5673
#41-5639	#42-5384	#43-5566	#44-5642	#45-5586	#46-5386	#47-5632	#48-5615	#49-5404	#50-5346
#51-5392	#52-5681	#53-5326	#54-5269	#55-5523	#56-5301	#57-5618	#58-5638	#59-5455	#60-5653
#61-5544	#62-5467	#63-5585	#64-5441	#65-5290	#66-5712	#67-5411	#68-5342	#69-5612	#70-5668
#71-5538	#72-5451	#73-5580	#74-5534	#75-5527	#76-5571	#77-5429	#78-5576	#79-5355	#80-5458
#81-5484	#82-5313	#83-5340	#84-5592	#85-5669	#86-5406	#87-5450	#88-5380	#89-5531	#90-5318
#91-5512	#92-5354	#93-5300	#94-5426	#95-5378	#96-5427	#97-5524	#98-5370	#99-5605	#100-5602

Type 6 #2 [Back to Summary]									
#01-5704	#02-5539	#03-5252	#04-5457	#05-5533	#06-5665	#07-5352	#08-5517	#09-5464	#10-5675
#11-5599	#12-5291	#13-5531	#14-5720	#15-5413	#16-5474	#17-5372	#18-5722	#19-5494	#20-5609
#21-5508	#22-5272	#23-5538	#24-5537	#25-5403	#26-5430	#27-5390	#28-5405	#29-5401	#30-5353
#31-5298	#32-5306	#33-5699	#34-5484	#35-5479	#36-5671	#37-5317	#38-5612	#39-5304	#40-5254
#41-5305	#42-5656	#43-5643	#44-5581	#45-5450	#46-5472	#47-5552	#48-5313	#49-5259	#50-5631
#51-5299	#52-5526	#53-5603	#54-5715	#55-5339	#56-5681	#57-5251	#58-5440	#59-5302	#60-5355
#61-5524	#62-5668	#63-5366	#64-5362	#65-5627	#66-5548	#67-5320	#68-5300	#69-5493	#70-5469
#71-5411	#72-5491	#73-5666	#74-5497	#75-5562	#76-5582	#77-5356	#78-5684	#79-5337	#80-5658
#81-5610	#82-5333	#83-5402	#84-5501	#85-5310	#86-5503	#87-5431	#88-5709	#89-5396	#90-5525
#91-5672	#92-5602	#93-5565	#94-5680	#95-5453	#96-5361	#97-5549	#98-5541	#99-5678	#100-5633

Type 6 #3 [Back to Summary]									
#01-5407	#02-5500	#03-5546	#04-5515	#05-5472	#06-5537	#07-5584	#08-5358	#09-5409	#10-5483
#11-5580	#12-5293	#13-5352	#14-5366	#15-5465	#16-5441	#17-5522	#18-5595	#19-5300	#20-5378
#21-5363	#22-5328	#23-5632	#24-5696	#25-5525	#26-5533	#27-5655	#28-5713	#29-5284	#30-5446
#31-5282	#32-5547	#33-5254	#34-5428	#35-5504	#36-5359	#37-5513	#38-5614	#39-5274	#40-5496
#41-5644	#42-5319	#43-5556	#44-5640	#45-5671	#46-5628	#47-5497	#48-5442	#49-5461	#50-5263
#51-5569	#52-5681	#53-5482	#54-5553	#55-5519	#56-5325	#57-5601	#58-5579	#59-5718	#60-5669
#61-5611	#62-5598	#63-5321	#64-5690	#65-5444	#66-5285	#67-5289	#68-5653	#69-5590	#70-5355
#71-5658	#72-5636	#73-5564	#74-5528	#75-5457	#76-5295	#77-5501	#78-5717	#79-5275	#80-5621
#81-5280	#82-5453	#83-5493	#84-5271	#85-5609	#86-5333	#87-5311	#88-5425	#89-5638	#90-5420
#91-5485	#92-5664	#93-5619	#94-5335	#95-5613	#96-5297	#97-5722	#98-5585	#99-5431	#100-5634

Type 6 #4 [Back to Summary]									
#01-5587	#02-5572	#03-5579	#04-5355	#05-5332	#06-5655	#07-5363	#08-5679	#09-5335	#10-5473
#11-5544	#12-5605	#13-5547	#14-5346	#15-5636	#16-5400	#17-5345	#18-5297	#19-5328	#20-5371
#21-5702	#22-5583	#23-5265	#24-5416	#25-5595	#26-5720	#27-5267	#28-5483	#29-5644	#30-5421
#31-5298	#32-5645	#33-5528	#34-5372	#35-5282	#36-5436	#37-5606	#38-5395	#39-5667	#40-5678
#41-5693	#42-5357	#43-5344	#44-5414	#45-5603	#46-5609	#47-5365	#48-5518	#49-5426	#50-5464
#51-5673	#52-5672	#53-5504	#54-5315	#55-5656	#56-5253	#57-5555	#58-5419	#59-5488	#60-5337
#61-5634	#62-5602	#63-5284	#64-5641	#65-5429	#66-5624	#67-5321	#68-5434	#69-5311	#70-5456
#71-5521	#72-5683	#73-5361	#74-5382	#75-5403	#76-5593	#77-5490	#78-5576	#79-5533	#80-5711
#81-5608	#82-5472	#83-5307	#84-5435	#85-5471	#86-5350	#87-5391	#88-5465	#89-5442	#90-5276
#91-5600	#92-5443	#93-5631	#94-5573	#95-5289	#96-5336	#97-5318	#98-5432	#99-5712	#100-5704

Type 6 #5 [Back to Summary]									
#01-5535	#02-5657	#03-5455	#04-5694	#05-5665	#06-5718	#07-5562	#08-5375	#09-5641	#10-5308
#11-5489	#12-5702	#13-5604	#14-5500	#15-5451	#16-5410	#17-5542	#18-5577	#19-5417	#20-5322
#21-5483	#22-5585	#23-5716	#24-5283	#25-5573	#26-5331	#27-5297	#28-5505	#29-5336	#30-5311
#31-5524	#32-5309	#33-5594	#34-5554	#35-5422	#36-5675	#37-5265	#38-5343	#39-5488	#40-5474
#41-5511	#42-5261	#43-5544	#44-5378	#45-5513	#46-5624	#47-5557	#48-5374	#49-5370	#50-5605
#51-5518	#52-5463	#53-5256	#54-5638	#55-5464	#56-5674	#57-5666	#58-5418	#59-5365	#60-5584
#61-5670	#62-5304	#63-5289	#64-5582	#65-5507	#66-5429	#67-5358	#68-5300	#69-5329	#70-5503
#71-5397	#72-5450	#73-5340	#74-5671	#75-5540	#76-5472	#77-5291	#78-5595	#79-5496	#80-5682
#81-5502	#82-5649	#83-5385	#84-5456	#85-5522	#86-5307	#87-5301	#88-5685	#89-5341	#90-5475
#91-5259	#92-5575	#93-5701	#94-5633	#95-5536	#96-5448	#97-5698	#98-5688	#99-5597	#100-5332

Type 6 #6 [Back to Summary]									
#01-5513	#02-5503	#03-5297	#04-5593	#05-5453	#06-5316	#07-5378	#08-5313	#09-5348	#10-5717
#11-5631	#12-5327	#13-5649	#14-5415	#15-5331	#16-5269	#17-5647	#18-5557	#19-5312	#20-5451
#21-5381	#22-5405	#23-5688	#24-5579	#25-5495	#26-5553	#27-5479	#28-5432	#29-5387	#30-5336
#31-5506	#32-5333	#33-5721	#34-5419	#35-5418	#36-5723	#37-5603	#38-5522	#39-5254	#40-5456
#41-5658	#42-5712	#43-5586	#44-5347	#45-5572	#46-5661	#47-5645	#48-5535	#49-5551	#50-5512
#51-5532	#52-5390	#53-5623	#54-5393	#55-5678	#56-5359	#57-5542	#58-5443	#59-5346	#60-5627
#61-5564	#62-5672	#63-5653	#64-5262	#65-5464	#66-5547	#67-5325	#68-5482	#69-5724	#70-5328
#71-5395	#72-5376	#73-5552	#74-5588	#75-5517	#76-5386	#77-5543	#78-5594	#79-5257	#80-5561
#81-5632	#82-5669	#83-5605	#84-5598	#85-5523	#86-5358	#87-5430	#88-5577	#89-5459	#90-5299
#91-5429	#92-5404	#93-5417	#94-5350	#95-5617	#96-5707	#97-5305	#98-5573	#99-5610	#100-5271

Type 6 #7 [Back to Summary]									
#01-5580	#02-5413	#03-5535	#04-5470	#05-5367	#06-5402	#07-5565	#08-5287	#09-5602	#10-5541
#11-5543	#12-5677	#13-5435	#14-5513	#15-5721	#16-5620	#17-5317	#18-5304	#19-5459	#20-5351
#21-5364	#22-5478	#23-5270	#24-5670	#25-5627	#26-5712	#27-5684	#28-5447	#29-5695	#30-5531
#31-5325	#32-5694	#33-5707	#34-5709	#35-5700	#36-5464	#37-5380	#38-5381	#39-5477	#40-5371
#41-5520	#42-5393	#43-5699	#44-5642	#45-5485	#46-5479	#47-5690	#48-5624	#49-5350	#50-5719
#51-5636	#52-5255	#53-5357	#54-5501	#55-5626	#56-5346	#57-5390	#58-5587	#59-5567	#60-5377
#61-5440	#62-5360	#63-5312	#64-5313	#65-5463	#66-5570	#67-5687	#68-5449	#69-5534	#70-5503
#71-5487	#72-5656	#73-5551	#74-5331	#75-5555	#76-5689	#77-5497	#78-5342	#79-5427	#80-5394
#81-5265	#82-5299	#83-5337	#84-5698	#85-5613	#86-5315	#87-5584	#88-5452	#89-5323	#90-5598
#91-5320	#92-5516	#93-5537	#94-5344	#95-5651	#96-5407	#97-5324	#98-5633	#99-5429	#100-5638

Type 6 #8 [Back to Summary]									
#01-5512	#02-5493	#03-5342	#04-5577	#05-5482	#06-5705	#07-5428	#08-5274	#09-5673	#10-5661
#11-5576	#12-5292	#13-5406	#14-5424	#15-5363	#16-5388	#17-5272	#18-5340	#19-5427	#20-5396
#21-5712	#22-5490	#23-5374	#24-5660	#25-5433	#26-5695	#27-5372	#28-5457	#29-5408	#30-5399
#31-5617	#32-5592	#33-5643	#34-5521	#35-5608	#36-5501	#37-5687	#38-5492	#39-5468	#40-5635
#41-5614	#42-5559	#43-5507	#44-5385	#45-5271	#46-5282	#47-5355	#48-5359	#49-5709	#50-5519
#51-5381	#52-5713	#53-5461	#54-5285	#55-5652	#56-5275	#57-5367	#58-5409	#59-5397	#60-5517
#61-5584	#62-5699	#63-5593	#64-5528	#65-5296	#66-5711	#67-5370	#68-5615	#69-5544	#70-5589
#71-5429	#72-5508	#73-5599	#74-5515	#75-5504	#76-5400	#77-5704	#78-5707	#79-5636	#80-5393
#81-5585	#82-5258	#83-5469	#84-5618	#85-5263	#86-5629	#87-5375	#88-5606	#89-5587	#90-5578
#91-5371	#92-5531	#93-5336	#94-5679	#95-5303	#96-5640	#97-5690	#98-5703	#99-5337	#100-5287

Type 6 #9 [Back to Summary]									
#01-5633	#02-5468	#03-5545	#04-5367	#05-5337	#06-5602	#07-5363	#08-5672	#09-5504	#10-5500
#11-5292	#12-5387	#13-5494	#14-5723	#15-5650	#16-5572	#17-5478	#18-5700	#19-5508	#20-5390
#21-5581	#22-5487	#23-5273	#24-5684	#25-5457	#26-5620	#27-5409	#28-5642	#29-5455	#30-5590
#31-5430	#32-5722	#33-5611	#34-5598	#35-5485	#36-5362	#37-5435	#38-5346	#39-5528	#40-5384
#41-5515	#42-5429	#43-5348	#44-5333	#45-5540	#46-5716	#47-5283	#48-5341	#49-5277	#50-5454
#51-5407	#52-5715	#53-5446	#54-5677	#55-5426	#56-5391	#57-5443	#58-5586	#59-5632	#60-5440
#61-5438	#62-5447	#63-5463	#64-5640	#65-5312	#66-5291	#67-5502	#68-5619	#69-5486	#70-5536
#71-5376	#72-5373	#73-5417	#74-5364	#75-5604	#76-5395	#77-5382	#78-5663	#79-5393	#80-5473
#81-5587	#82-5308	#83-5616	#84-5252	#85-5431	#86-5444	#87-5532	#88-5662	#89-5416	#90-5338
#91-5653	#92-5579	#93-5448	#94-5327	#95-5676	#96-5311	#97-5697	#98-5439	#99-5268	#100-5503



Type 6 #10 [Back to Summary]									
#01-5469	#02-5392	#03-5587	#04-5472	#05-5323	#06-5279	#07-5546	#08-5329	#09-5328	#10-5283
#11-5255	#12-5511	#13-5442	#14-5416	#15-5585	#16-5377	#17-5562	#18-5460	#19-5459	#20-5605
#21-5498	#22-5567	#23-5448	#24-5387	#25-5614	#26-5531	#27-5663	#28-5336	#29-5423	#30-5536
#31-5426	#32-5676	#33-5642	#34-5630	#35-5724	#36-5441	#37-5453	#38-5388	#39-5657	#40-5400
#41-5623	#42-5446	#43-5583	#44-5383	#45-5340	#46-5389	#47-5384	#48-5278	#49-5485	#50-5551
#51-5489	#52-5494	#53-5707	#54-5395	#55-5723	#56-5635	#57-5672	#58-5450	#59-5592	#60-5523
#61-5342	#62-5462	#63-5634	#64-5521	#65-5584	#66-5302	#67-5598	#68-5541	#69-5410	#70-5381
#71-5652	#72-5415	#73-5530	#74-5301	#75-5705	#76-5294	#77-5706	#78-5307	#79-5292	#80-5471
#81-5385	#82-5632	#83-5582	#84-5604	#85-5296	#86-5665	#87-5692	#88-5495	#89-5628	#90-5339
#91-5500	#92-5252	#93-5527	#94-5375	#95-5305	#96-5409	#97-5545	#98-5311	#99-5534	#100-5281

Type 6 #11 [Back to Summary]									
#01-5520	#02-5574	#03-5591	#04-5339	#05-5624	#06-5315	#07-5686	#08-5650	#09-5415	#10-5675
#11-5648	#12-5606	#13-5402	#14-5370	#15-5379	#16-5440	#17-5601	#18-5279	#19-5470	#20-5646
#21-5337	#22-5351	#23-5635	#24-5320	#25-5615	#26-5644	#27-5613	#28-5394	#29-5724	#30-5539
#31-5480	#32-5641	#33-5502	#34-5260	#35-5672	#36-5536	#37-5287	#38-5488	#39-5702	#40-5708
#41-5698	#42-5290	#43-5325	#44-5674	#45-5417	#46-5605	#47-5566	#48-5403	#49-5252	#50-5583
#51-5526	#52-5505	#53-5560	#54-5600	#55-5668	#56-5416	#57-5660	#58-5512	#59-5443	#60-5704
#61-5420	#62-5533	#63-5647	#64-5588	#65-5438	#66-5256	#67-5350	#68-5387	#69-5422	#70-5556
#71-5396	#72-5358	#73-5301	#74-5482	#75-5671	#76-5296	#77-5274	#78-5685	#79-5623	#80-5253
#81-5321	#82-5459	#83-5389	#84-5381	#85-5263	#86-5696	#87-5327	#88-5618	#89-5314	#90-5499
#91-5596	#92-5491	#93-5294	#94-5722	#95-5530	#96-5408	#97-5365	#98-5454	#99-5479	#100-5411

Type 6 #12 [Back to Summary]									
#01-5509	#02-5430	#03-5705	#04-5412	#05-5439	#06-5419	#07-5458	#08-5328	#09-5660	#10-5621
#11-5390	#12-5701	#13-5614	#14-5445	#15-5631	#16-5686	#17-5396	#18-5517	#19-5584	#20-5473
#21-5654	#22-5454	#23-5323	#24-5645	#25-5684	#26-5629	#27-5314	#28-5302	#29-5676	#30-5513
#31-5655	#32-5544	#33-5450	#34-5466	#35-5468	#36-5611	#37-5481	#38-5703	#39-5667	#40-5561
#41-5486	#42-5721	#43-5687	#44-5409	#45-5354	#46-5620	#47-5596	#48-5567	#49-5336	#50-5566
#51-5257	#52-5568	#53-5587	#54-5258	#55-5476	#56-5300	#57-5349	#58-5305	#59-5447	#60-5528
#61-5348	#62-5395	#63-5372	#64-5389	#65-5690	#66-5565	#67-5496	#68-5391	#69-5700	#70-5264
#71-5451	#72-5416	#73-5572	#74-5270	#75-5711	#76-5656	#77-5491	#78-5628	#79-5533	#80-5304
#81-5278	#82-5467	#83-5685	#84-5352	#85-5504	#86-5331	#87-5675	#88-5437	#89-5713	#90-5407
#91-5512	#92-5418	#93-5499	#94-5379	#95-5461	#96-5332	#97-5592	#98-5541	#99-5449	#100-5516

Type 6 #13 [Back to Summary]									
#01-5378	#02-5456	#03-5598	#04-5326	#05-5367	#06-5563	#07-5724	#08-5572	#09-5273	#10-5545
#11-5536	#12-5444	#13-5496	#14-5395	#15-5502	#16-5610	#17-5437	#18-5270	#19-5618	#20-5606
#21-5619	#22-5303	#23-5409	#24-5535	#25-5475	#26-5281	#27-5649	#28-5434	#29-5531	#30-5627
#31-5314	#32-5676	#33-5426	#34-5271	#35-5657	#36-5549	#37-5596	#38-5613	#39-5713	#40-5669
#41-5334	#42-5355	#43-5418	#44-5414	#45-5601	#46-5317	#47-5654	#48-5353	#49-5609	#50-5579
#51-5625	#52-5569	#53-5655	#54-5570	#55-5626	#56-5323	#57-5294	#58-5310	#59-5573	#60-5336
#61-5643	#62-5530	#63-5289	#64-5376	#65-5478	#66-5585	#67-5265	#68-5471	#69-5464	#70-5683
#71-5259	#72-5547	#73-5283	#74-5675	#75-5514	#76-5504	#77-5608	#78-5718	#79-5663	#80-5405
#81-5354	#82-5534	#83-5546	#84-5680	#85-5723	#86-5461	#87-5269	#88-5575	#89-5372	#90-5576
#91-5495	#92-5525	#93-5286	#94-5632	#95-5277	#96-5513	#97-5319	#98-5297	#99-5664	#100-5261

Type 6 #14 [Back to Summary]									
#01-5300	#02-5428	#03-5614	#04-5656	#05-5569	#06-5321	#07-5539	#08-5706	#09-5305	#10-5365
#11-5442	#12-5301	#13-5378	#14-5418	#15-5705	#16-5350	#17-5712	#18-5340	#19-5379	#20-5263
#21-5566	#22-5417	#23-5353	#24-5611	#25-5430	#26-5456	#27-5518	#28-5383	#29-5645	#30-5723
#31-5446	#32-5564	#33-5308	#34-5646	#35-5359	#36-5652	#37-5651	#38-5619	#39-5355	#40-5654
#41-5649	#42-5288	#43-5522	#44-5257	#45-5392	#46-5457	#47-5410	#48-5592	#49-5643	#50-5655
#51-5534	#52-5700	#53-5638	#54-5640	#55-5423	#56-5605	#57-5325	#58-5252	#59-5482	#60-5369
#61-5528	#62-5412	#63-5311	#64-5306	#65-5647	#66-5597	#67-5717	#68-5460	#69-5309	#70-5302
#71-5426	#72-5342	#73-5708	#74-5452	#75-5337	#76-5525	#77-5612	#78-5345	#79-5478	#80-5696
#81-5290	#82-5644	#83-5464	#84-5716	#85-5441	#86-5471	#87-5637	#88-5390	#89-5480	#90-5477
#91-5574	#92-5650	#93-5391	#94-5710	#95-5374	#96-5495	#97-5699	#98-5470	#99-5332	#100-5512

Type 6 #15 [Back to Summary]									
#01-5458	#02-5677	#03-5534	#04-5592	#05-5479	#06-5441	#07-5717	#08-5444	#09-5558	#10-5621
#11-5719	#12-5706	#13-5502	#14-5504	#15-5323	#16-5605	#17-5676	#18-5317	#19-5591	#20-5427
#21-5680	#22-5576	#23-5704	#24-5556	#25-5448	#26-5492	#27-5672	#28-5722	#29-5319	#30-5567
#31-5540	#32-5393	#33-5257	#34-5684	#35-5484	#36-5337	#37-5360	#38-5586	#39-5480	#40-5716
#41-5466	#42-5439	#43-5549	#44-5573	#45-5470	#46-5590	#47-5387	#48-5607	#49-5634	#50-5486
#51-5529	#52-5632	#53-5595	#54-5625	#55-5546	#56-5600	#57-5693	#58-5694	#59-5378	#60-5705
#61-5478	#62-5718	#63-5363	#64-5708	#65-5316	#66-5560	#67-5692	#68-5528	#69-5264	#70-5703
#71-5476	#72-5331	#73-5545	#74-5593	#75-5673	#76-5465	#77-5273	#78-5369	#79-5327	#80-5575
#81-5344	#82-5309	#83-5330	#84-5543	#85-5281	#86-5631	#87-5515	#88-5349	#89-5375	#90-5609
#91-5362	#92-5385	#93-5436	#94-5495	#95-5463	#96-5464	#97-5315	#98-5561	#99-5493	#100-5629

Type 6 #16 [Back to Summary]									
#01-5618	#02-5576	#03-5592	#04-5651	#05-5724	#06-5446	#07-5325	#08-5721	#09-5667	#10-5320
#11-5572	#12-5562	#13-5610	#14-5524	#15-5603	#16-5419	#17-5632	#18-5537	#19-5676	#20-5409
#21-5290	#22-5590	#23-5406	#24-5374	#25-5586	#26-5348	#27-5612	#28-5302	#29-5369	#30-5454
#31-5404	#32-5432	#33-5601	#34-5425	#35-5691	#36-5496	#37-5449	#38-5405	#39-5551	#40-5557
#41-5554	#42-5525	#43-5407	#44-5306	#45-5282	#46-5521	#47-5499	#48-5648	#49-5625	#50-5300
#51-5567	#52-5503	#53-5619	#54-5334	#55-5589	#56-5271	#57-5413	#58-5463	#59-5309	#60-5628
#61-5556	#62-5269	#63-5600	#64-5459	#65-5644	#66-5387	#67-5690	#68-5434	#69-5559	#70-5352
#71-5699	#72-5470	#73-5711	#74-5359	#75-5575	#76-5481	#77-5428	#78-5346	#79-5337	#80-5310
#81-5570	#82-5693	#83-5399	#84-5314	#85-5614	#86-5629	#87-5534	#88-5510	#89-5553	#90-5670
#91-5329	#92-5710	#93-5345	#94-5659	#95-5251	#96-5530	#97-5657	#98-5677	#99-5388	#100-5616

Type 6 #17 [Back to Summary]									
#01-5563	#02-5317	#03-5334	#04-5516	#05-5332	#06-5349	#07-5522	#08-5502	#09-5483	#10-5356
#11-5570	#12-5312	#13-5376	#14-5722	#15-5299	#16-5596	#17-5593	#18-5534	#19-5578	#20-5264
#21-5580	#22-5423	#23-5605	#24-5624	#25-5272	#26-5711	#27-5375	#28-5303	#29-5366	#30-5290
#31-5556	#32-5482	#33-5683	#34-5450	#35-5474	#36-5506	#37-5612	#38-5619	#39-5709	#40-5512
#41-5354	#42-5288	#43-5282	#44-5456	#45-5353	#46-5268	#47-5590	#48-5358	#49-5611	#50-5389
#51-5673	#52-5379	#53-5351	#54-5387	#55-5292	#56-5399	#57-5446	#58-5442	#59-5498	#60-5347
#61-5699	#62-5471	#63-5396	#64-5447	#65-5530	#66-5335	#67-5363	#68-5654	#69-5503	#70-5528
#71-5710	#72-5700	#73-5552	#74-5313	#75-5641	#76-5542	#77-5397	#78-5402	#79-5525	#80-5252
#81-5381	#82-5270	#83-5429	#84-5704	#85-5344	#86-5439	#87-5392	#88-5560	#89-5416	#90-5333
#91-5314	#92-5430	#93-5378	#94-5623	#95-5548	#96-5620	#97-5634	#98-5574	#99-5662	#100-5263

Type 6 #18 [Back to Summary]									
#01-5637	#02-5662	#03-5578	#04-5335	#05-5396	#06-5695	#07-5548	#08-5285	#09-5467	#10-5478
#11-5251	#12-5298	#13-5642	#14-5490	#15-5697	#16-5677	#17-5295	#18-5408	#19-5348	#20-5342
#21-5674	#22-5529	#23-5492	#24-5414	#25-5456	#26-5541	#27-5581	#28-5657	#29-5499	#30-5275
#31-5634	#32-5547	#33-5459	#34-5504	#35-5340	#36-5434	#37-5415	#38-5336	#39-5560	#40-5374
#41-5608	#42-5349	#43-5331	#44-5655	#45-5329	#46-5265	#47-5505	#48-5606	#49-5643	#50-5587
#51-5566	#52-5465	#53-5468	#54-5568	#55-5314	#56-5359	#57-5422	#58-5417	#59-5605	#60-5584
#61-5366	#62-5619	#63-5513	#64-5442	#65-5569	#66-5427	#67-5562	#68-5387	#69-5397	#70-5512
#71-5515	#72-5687	#73-5579	#74-5701	#75-5454	#76-5582	#77-5443	#78-5561	#79-5324	#80-5438
#81-5284	#82-5704	#83-5266	#84-5641	#85-5431	#86-5416	#87-5325	#88-5624	#89-5437	#90-5712
#91-5263	#92-5250	#93-5460	#94-5705	#95-5260	#96-5717	#97-5558	#98-5618	#99-5337	#100-5631

Type 6 #19 [Back to Summary]									
#01-5429	#02-5362	#03-5458	#04-5381	#05-5323	#06-5609	#07-5618	#08-5497	#09-5357	#10-5465
#11-5638	#12-5585	#13-5334	#14-5412	#15-5544	#16-5390	#17-5600	#18-5599	#19-5258	#20-5398
#21-5347	#22-5669	#23-5678	#24-5416	#25-5498	#26-5514	#27-5476	#28-5598	#29-5689	#30-5467
#31-5266	#32-5555	#33-5474	#34-5426	#35-5262	#36-5652	#37-5494	#38-5614	#39-5565	#40-5551
#41-5528	#42-5559	#43-5511	#44-5702	#45-5318	#46-5402	#47-5643	#48-5294	#49-5406	#50-5595
#51-5364	#52-5690	#53-5610	#54-5666	#55-5529	#56-5485	#57-5408	#58-5290	#59-5613	#60-5536
#61-5378	#62-5268	#63-5533	#64-5621	#65-5443	#66-5328	#67-5356	#68-5637	#69-5396	#70-5623
#71-5626	#72-5714	#73-5282	#74-5432	#75-5592	#76-5513	#77-5401	#78-5703	#79-5337	#80-5336
#81-5594	#82-5428	#83-5440	#84-5339	#85-5346	#86-5301	#87-5675	#88-5535	#89-5627	#90-5499
#91-5487	#92-5450	#93-5250	#94-5277	#95-5418	#96-5510	#97-5274	#98-5628	#99-5505	#100-5717

Type 6 #20 [Back to Summary]									
#01-5294	#02-5256	#03-5620	#04-5515	#05-5699	#06-5379	#07-5653	#08-5426	#09-5320	#10-5266
#11-5335	#12-5438	#13-5675	#14-5522	#15-5664	#16-5679	#17-5552	#18-5442	#19-5516	#20-5391
#21-5386	#22-5553	#23-5263	#24-5626	#25-5380	#26-5421	#27-5713	#28-5255	#29-5267	#30-5338
#31-5492	#32-5510	#33-5450	#34-5353	#35-5298	#36-5592	#37-5537	#38-5649	#39-5369	#40-5696
#41-5377	#42-5497	#43-5467	#44-5605	#45-5417	#46-5304	#47-5503	#48-5458	#49-5339	#50-5468
#51-5682	#52-5562	#53-5355	#54-5364	#55-5583	#56-5472	#57-5719	#58-5718	#59-5389	#60-5532
#61-5395	#62-5646	#63-5413	#64-5707	#65-5502	#66-5551	#67-5712	#68-5576	#69-5476	#70-5322
#71-5398	#72-5628	#73-5321	#74-5547	#75-5265	#76-5615	#77-5334	#78-5384	#79-5462	#80-5326
#81-5644	#82-5511	#83-5642	#84-5530	#85-5378	#86-5659	#87-5408	#88-5332	#89-5499	#90-5558
#91-5599	#92-5543	#93-5517	#94-5570	#95-5560	#96-5453	#97-5330	#98-5482	#99-5352	#100-5597

Type 6 #21 [Back to Summary]									
#01-5313	#02-5651	#03-5705	#04-5263	#05-5318	#06-5303	#07-5485	#08-5535	#09-5350	#10-5689
#11-5383	#12-5586	#13-5509	#14-5308	#15-5608	#16-5609	#17-5253	#18-5610	#19-5577	#20-5564
#21-5395	#22-5630	#23-5329	#24-5648	#25-5451	#26-5580	#27-5366	#28-5482	#29-5715	#30-5533
#31-5527	#32-5578	#33-5277	#34-5593	#35-5265	#36-5719	#37-5523	#38-5631	#39-5456	#40-5328
#41-5423	#42-5595	#43-5711	#44-5528	#45-5418	#46-5261	#47-5282	#48-5453	#49-5681	#50-5670
#51-5447	#52-5446	#53-5627	#54-5510	#55-5444	#56-5406	#57-5571	#58-5307	#59-5536	#60-5460
#61-5663	#62-5250	#63-5543	#64-5534	#65-5405	#66-5521	#67-5557	#68-5642	#69-5295	#70-5616
#71-5334	#72-5351	#73-5398	#74-5498	#75-5390	#76-5518	#77-5645	#78-5514	#79-5473	#80-5435
#81-5552	#82-5638	#83-5522	#84-5293	#85-5337	#86-5332	#87-5680	#88-5484	#89-5391	#90-5582
#91-5389	#92-5467	#93-5344	#94-5724	#95-5385	#96-5421	#97-5300	#98-5425	#99-5371	#100-5623

Type 6 #22 [Back to Summary]									
#01-5427	#02-5364	#03-5411	#04-5317	#05-5589	#06-5351	#07-5299	#08-5377	#09-5373	#10-5652
#11-5494	#12-5304	#13-5557	#14-5346	#15-5636	#16-5277	#17-5453	#18-5503	#19-5456	#20-5329
#21-5576	#22-5321	#23-5501	#24-5443	#25-5475	#26-5592	#27-5255	#28-5404	#29-5366	#30-5696
#31-5477	#32-5472	#33-5399	#34-5587	#35-5262	#36-5440	#37-5482	#38-5464	#39-5434	#40-5709
#41-5280	#42-5559	#43-5369	#44-5474	#45-5338	#46-5340	#47-5644	#48-5722	#49-5341	#50-5363
#51-5699	#52-5535	#53-5697	#54-5294	#55-5295	#56-5360	#57-5600	#58-5694	#59-5577	#60-5251
#61-5350	#62-5628	#63-5263	#64-5409	#65-5437	#66-5275	#67-5638	#68-5698	#69-5335	#70-5458
#71-5537	#72-5715	#73-5320	#74-5480	#75-5300	#76-5271	#77-5677	#78-5282	#79-5361	#80-5392
#81-5672	#82-5258	#83-5315	#84-5253	#85-5721	#86-5667	#87-5509	#88-5362	#89-5546	#90-5632
#91-5574	#92-5515	#93-5615	#94-5439	#95-5616	#96-5391	#97-5549	#98-5688	#99-5290	#100-5318

Type 6 #23 [Back to Summary]									
#01-5430	#02-5666	#03-5638	#04-5614	#05-5554	#06-5708	#07-5457	#08-5478	#09-5722	#10-5274
#11-5401	#12-5561	#13-5592	#14-5438	#15-5302	#16-5337	#17-5562	#18-5258	#19-5403	#20-5486
#21-5505	#22-5532	#23-5409	#24-5425	#25-5605	#26-5276	#27-5352	#28-5615	#29-5581	#30-5644
#31-5453	#32-5712	#33-5716	#34-5289	#35-5675	#36-5255	#37-5343	#38-5419	#39-5420	#40-5263
#41-5462	#42-5266	#43-5355	#44-5513	#45-5479	#46-5256	#47-5634	#48-5422	#49-5376	#50-5526
#51-5545	#52-5534	#53-5538	#54-5527	#55-5535	#56-5625	#57-5504	#58-5461	#59-5264	#60-5531
#61-5608	#62-5574	#63-5627	#64-5329	#65-5548	#66-5412	#67-5575	#68-5558	#69-5488	#70-5299
#71-5719	#72-5388	#73-5567	#74-5386	#75-5280	#76-5490	#77-5428	#78-5631	#79-5679	#80-5601
#81-5364	#82-5660	#83-5484	#84-5308	#85-5347	#86-5652	#87-5424	#88-5441	#89-5480	#90-5305
#91-5473	#92-5611	#93-5404	#94-5621	#95-5378	#96-5619	#97-5363	#98-5277	#99-5692	#100-5312

Type 6 #24 [Back to Summary]									
#01-5410	#02-5328	#03-5656	#04-5329	#05-5530	#06-5401	#07-5694	#08-5394	#09-5500	#10-5291
#11-5446	#12-5605	#13-5511	#14-5387	#15-5415	#16-5674	#17-5333	#18-5568	#19-5706	#20-5622
#21-5716	#22-5378	#23-5321	#24-5438	#25-5548	#26-5361	#27-5708	#28-5669	#29-5258	#30-5385
#31-5372	#32-5407	#33-5658	#34-5615	#35-5441	#36-5286	#37-5250	#38-5413	#39-5504	#40-5672
#41-5678	#42-5280	#43-5663	#44-5443	#45-5583	#46-5593	#47-5346	#48-5271	#49-5458	#50-5437
#51-5534	#52-5526	#53-5294	#54-5317	#55-5318	#56-5279	#57-5255	#58-5476	#59-5512	#60-5424
#61-5423	#62-5273	#63-5389	#64-5366	#65-5644	#66-5293	#67-5670	#68-5619	#69-5676	#70-5377
#71-5673	#72-5646	#73-5315	#74-5284	#75-5666	#76-5686	#77-5449	#78-5607	#79-5576	#80-5679
#81-5265	#82-5689	#83-5475	#84-5551	#85-5577	#86-5571	#87-5362	#88-5590	#89-5546	#90-5412
#91-5287	#92-5507	#93-5625	#94-5338	#95-5508	#96-5651	#97-5617	#98-5552	#99-5519	#100-5542

Type 6 #25 [Back to Summary]									
#01-5650	#02-5452	#03-5321	#04-5328	#05-5487	#06-5607	#07-5460	#08-5261	#09-5374	#10-5360
#11-5568	#12-5370	#13-5619	#14-5555	#15-5403	#16-5457	#17-5529	#18-5562	#19-5510	#20-5319
#21-5657	#22-5327	#23-5318	#24-5518	#25-5342	#26-5419	#27-5272	#28-5706	#29-5503	#30-5263
#31-5312	#32-5614	#33-5344	#34-5283	#35-5277	#36-5542	#37-5620	#38-5396	#39-5314	#40-5697
#41-5368	#42-5354	#43-5473	#44-5443	#45-5572	#46-5642	#47-5617	#48-5324	#49-5661	#50-5300
#51-5385	#52-5309	#53-5293	#54-5455	#55-5621	#56-5577	#57-5390	#58-5535	#59-5713	#60-5322
#61-5589	#62-5485	#63-5492	#64-5367	#65-5295	#66-5683	#67-5278	#68-5588	#69-5533	#70-5595
#71-5569	#72-5395	#73-5501	#74-5543	#75-5686	#76-5559	#77-5591	#78-5612	#79-5678	#80-5431
#81-5530	#82-5677	#83-5298	#84-5451	#85-5615	#86-5252	#87-5571	#88-5626	#89-5399	#90-5432
#91-5411	#92-5339	#93-5412	#94-5721	#95-5365	#96-5611	#97-5592	#98-5361	#99-5398	#100-5618

Type 6 #26 [Back to Summary]									
#01-5610	#02-5279	#03-5518	#04-5317	#05-5460	#06-5715	#07-5538	#08-5479	#09-5489	#10-5309
#11-5710	#12-5499	#13-5580	#14-5533	#15-5513	#16-5635	#17-5427	#18-5285	#19-5472	#20-5293
#21-5362	#22-5385	#23-5439	#24-5349	#25-5433	#26-5481	#27-5705	#28-5504	#29-5424	#30-5326
#31-5691	#32-5478	#33-5464	#34-5314	#35-5548	#36-5503	#37-5405	#38-5706	#39-5716	#40-5621
#41-5438	#42-5338	#43-5377	#44-5333	#45-5444	#46-5633	#47-5484	#48-5599	#49-5455	#50-5450
#51-5421	#52-5558	#53-5609	#54-5347	#55-5505	#56-5475	#57-5569	#58-5413	#59-5613	#60-5702
#61-5257	#62-5283	#63-5301	#64-5409	#65-5341	#66-5490	#67-5280	#68-5524	#69-5717	#70-5262
#71-5483	#72-5449	#73-5295	#74-5587	#75-5584	#76-5271	#77-5256	#78-5359	#79-5638	#80-5537
#81-5724	#82-5363	#83-5297	#84-5696	#85-5629	#86-5391	#87-5601	#88-5368	#89-5549	#90-5320
#91-5663	#92-5711	#93-5352	#94-5260	#95-5616	#96-5404	#97-5287	#98-5686	#99-5718	#100-5680

Type 6 #27 [Back to Summary]									
#01-5598	#02-5690	#03-5604	#04-5441	#05-5699	#06-5702	#07-5505	#08-5276	#09-5494	#10-5474
#11-5464	#12-5453	#13-5512	#14-5329	#15-5706	#16-5623	#17-5715	#18-5326	#19-5513	#20-5672
#21-5609	#22-5639	#23-5696	#24-5645	#25-5324	#26-5484	#27-5348	#28-5283	#29-5691	#30-5418
#31-5712	#32-5291	#33-5363	#34-5666	#35-5649	#36-5282	#37-5476	#38-5572	#39-5250	#40-5641
#41-5601	#42-5562	#43-5587	#44-5313	#45-5568	#46-5448	#47-5444	#48-5267	#49-5279	#50-5711
#51-5409	#52-5677	#53-5421	#54-5294	#55-5325	#56-5675	#57-5716	#58-5674	#59-5366	#60-5456
#61-5594	#62-5469	#63-5307	#64-5323	#65-5487	#66-5422	#67-5344	#68-5559	#69-5399	#70-5664
#71-5391	#72-5385	#73-5331	#74-5585	#75-5317	#76-5292	#77-5299	#78-5630	#79-5328	#80-5591
#81-5287	#82-5338	#83-5254	#84-5705	#85-5259	#86-5281	#87-5584	#88-5332	#89-5593	#90-5694
#91-5298	#92-5524	#93-5465	#94-5517	#95-5300	#96-5392	#97-5515	#98-5525	#99-5548	#100-5404

Type 6 #28 [Back to Summary]									
#01-5362	#02-5610	#03-5591	#04-5333	#05-5567	#06-5276	#07-5604	#08-5557	#09-5699	#10-5281
#11-5634	#12-5330	#13-5607	#14-5491	#15-5421	#16-5520	#17-5466	#18-5324	#19-5313	#20-5458
#21-5558	#22-5269	#23-5692	#24-5429	#25-5629	#26-5595	#27-5651	#28-5534	#29-5545	#30-5659
#31-5501	#32-5497	#33-5336	#34-5649	#35-5480	#36-5400	#37-5461	#38-5647	#39-5387	#40-5709
#41-5399	#42-5282	#43-5348	#44-5566	#45-5312	#46-5689	#47-5640	#48-5695	#49-5344	#50-5494
#51-5641	#52-5435	#53-5454	#54-5341	#55-5564	#56-5342	#57-5643	#58-5411	#59-5428	#60-5700
#61-5353	#62-5314	#63-5259	#64-5291	#65-5503	#66-5382	#67-5720	#68-5683	#69-5257	#70-5267
#71-5307	#72-5546	#73-5662	#74-5331	#75-5305	#76-5526	#77-5648	#78-5379	#79-5369	#80-5666
#81-5679	#82-5678	#83-5444	#84-5300	#85-5264	#86-5320	#87-5294	#88-5719	#89-5339	#90-5401
#91-5487	#92-5302	#93-5470	#94-5423	#95-5603	#96-5345	#97-5272	#98-5309	#99-5321	#100-5657

Type 6 #29 [Back to Summary]									
#01-5694	#02-5680	#03-5684	#04-5325	#05-5438	#06-5344	#07-5501	#08-5377	#09-5284	#10-5290
#11-5420	#12-5519	#13-5299	#14-5492	#15-5267	#16-5399	#17-5600	#18-5683	#19-5277	#20-5436
#21-5341	#22-5250	#23-5603	#24-5591	#25-5511	#26-5257	#27-5335	#28-5496	#29-5453	#30-5697
#31-5507	#32-5593	#33-5312	#34-5433	#35-5696	#36-5723	#37-5719	#38-5369	#39-5587	#40-5643
#41-5542	#42-5638	#43-5679	#44-5294	#45-5699	#46-5689	#47-5253	#48-5698	#49-5400	#50-5460
#51-5463	#52-5316	#53-5280	#54-5605	#55-5566	#56-5690	#57-5332	#58-5349	#59-5541	#60-5432
#61-5263	#62-5260	#63-5649	#64-5319	#65-5513	#66-5552	#67-5459	#68-5590	#69-5523	#70-5272
#71-5405	#72-5483	#73-5353	#74-5363	#75-5618	#76-5425	#77-5297	#78-5561	#79-5619	#80-5544
#81-5255	#82-5365	#83-5352	#84-5714	#85-5487	#86-5445	#87-5565	#88-5430	#89-5586	#90-5251
#91-5644	#92-5627	#93-5550	#94-5409	#95-5633	#96-5532	#97-5711	#98-5620	#99-5505	#100-5396

Type 6 #30 [Back to Summary]									
#01-5484	#02-5383	#03-5427	#04-5378	#05-5307	#06-5704	#07-5692	#08-5646	#09-5713	#10-5396
#11-5650	#12-5494	#13-5451	#14-5250	#15-5428	#16-5627	#17-5636	#18-5662	#19-5552	#20-5319
#21-5714	#22-5279	#23-5257	#24-5520	#25-5349	#26-5500	#27-5656	#28-5663	#29-5447	#30-5335
#31-5436	#32-5397	#33-5303	#34-5473	#35-5306	#36-5593	#37-5654	#38-5689	#39-5653	#40-5506
#41-5471	#42-5635	#43-5439	#44-5440	#45-5323	#46-5400	#47-5423	#48-5549	#49-5702	#50-5254
#51-5614	#52-5297	#53-5316	#54-5435	#55-5407	#56-5459	#57-5375	#58-5626	#59-5278	#60-5535
#61-5295	#62-5277	#63-5454	#64-5623	#65-5683	#66-5510	#67-5443	#68-5705	#69-5668	#70-5558
#71-5696	#72-5671	#73-5258	#74-5300	#75-5571	#76-5327	#77-5564	#78-5540	#79-5450	#80-5673
#81-5329	#82-5360	#83-5684	#84-5446	#85-5442	#86-5387	#87-5336	#88-5590	#89-5315	#90-5576
#91-5474	#92-5273	#93-5659	#94-5373	#95-5465	#96-5449	#97-5445	#98-5539	#99-5488	#100-5546

Type 5 #1 5524 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	10	171156	66	1741	1626	531161	705882
2	2	10	499496	90	1685	0	204521	705882
3	2	10	252572	79	1267	0	451885	705882
4	1	10	501574	98	0	0	204210	705882
5	1	10	164235	51	0	0	541596	705882
6	3	10	142530	95	1933	1270	559864	705882
7	2	10	7992	73	1735	0	696009	705882
8	1	10	239636	53	0	0	466193	705882
9	1	10	396736	67	0	0	309079	705882
10	1	10	257650	72	0	0	448160	705882
11	2	10	204360	53	1572	0	499844	705882
12	1	10	540261	50	0	0	165571	705882
13	2	10	218572	75	1756	0	485404	705882
14	1	10	585285	73	0	0	120524	705882
15	1	10	180748	92	0	0	525042	705882
16	1	10	437984	64	0	0	267834	705882
17	1	10	337246	68	0	0	368568	705882

Type 5 #2 5525 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	8	336109	60	1136	1335	518382	857142
2	1	8	629920	93	0	0	227129	857142
3	1	8	2966	91	0	0	854085	857142
4	1	8	536685	68	0	0	320389	857142
5	1	8	241593	59	0	0	615490	857142
6	1	8	561305	84	0	0	295753	857142
7	2	8	302447	64	1751	0	552816	857142
8	2	8	234696	91	1080	0	621184	857142
9	3	8	195864	96	1122	1655	658213	857142
10	3	8	625457	98	1366	1308	228717	857142
11	2	8	187919	66	1604	0	667487	857142
12	1	8	775454	61	0	0	81627	857142
13	2	8	823257	67	1065	0	32686	857142
14	1	8	603441	92	0	0	253609	857142



Type 5 #3 5496 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	9	411666	83	1168	0	337000	750000
2	2	9	503545	65	1693	0	244632	750000
3	3	9	364030	71	1115	1576	383066	750000
4	3	9	42352	61	1370	1225	704870	750000
5	2	9	430991	52	1118	0	317787	750000
6	2	9	444741	65	1313	0	303816	750000
7	2	9	116191	67	1274	0	632401	750000
8	2	9	479923	97	1553	0	268330	750000
9	3	9	602928	66	1070	1690	144114	750000
10	2	9	325798	76	1132	0	422918	750000
11	2	9	89612	84	1446	0	658774	750000
12	2	9	287066	83	1777	0	460991	750000
13	1	9	569867	62	0	0	180071	750000
14	3	9	211167	65	1774	1331	535533	750000
15	3	9	732174	53	1948	1348	14371	750000
16	2	9	598115	58	1769	0	150000	750000

Type 5 #4 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	18	581676	51	1857	0	166365	750000
2	2	18	579529	63	1664	0	168681	750000
3	3	18	572464	98	1504	1599	174139	750000
4	3	18	486344	81	1380	1730	260303	750000
5	1	18	5623	60	0	0	744317	750000
6	2	18	103543	79	1863	0	644436	750000
7	2	18	221917	55	1473	0	526500	750000
8	2	18	517612	50	1041	0	231247	750000
9	3	18	198034	64	1205	1496	549073	750000
10	3	18	628191	81	1416	1530	118620	750000
11	3	18	592216	87	1909	1895	153719	750000
12	3	18	474947	58	1673	1802	271404	750000
13	2	18	663451	92	1031	0	85334	750000
14	1	18	630656	90	0	0	119254	750000
15	1	18	702394	71	0	0	47535	750000
16	3	18	334556	63	1743	1657	411855	750000

Type 5 #5 5496 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	9	260365	93	1211	0	444120	705882
2	1	9	403054	95	0	0	302733	705882
3	1	9	218090	69	0	0	487723	705882
4	3	9	625989	58	1727	1967	76025	705882
5	1	9	674900	77	0	0	30905	705882
6	2	9	250099	51	1515	0	454166	705882
7	3	9	54764	51	1693	1649	647623	705882
8	2	9	331773	70	1591	0	372378	705882
9	1	9	257888	77	0	0	447917	705882
10	2	9	164973	94	1510	0	539211	705882
11	1	9	494724	83	0	0	211075	705882
12	1	9	311955	71	0	0	393856	705882
13	3	9	372065	84	1247	1855	330463	705882
14	1	9	522385	77	0	0	183420	705882
15	3	9	467477	61	1250	1758	235214	705882
16	2	9	419867	94	1786	0	284041	705882
17	2	9	332767	83	1516	0	371433	705882

Type 5 #6 5499 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	18	907652	52	0	0	92296	1000000
2	1	18	2320	81	0	0	997599	1000000
3	3	18	118074	92	1188	1139	879323	1000000
4	3	18	425578	76	1516	1966	570712	1000000
5	2	18	36321	75	1846	0	961683	1000000
6	3	18	121398	85	1840	1461	875046	1000000
7	2	18	207507	69	1080	0	791275	1000000
8	1	18	915186	61	0	0	84753	1000000
9	1	18	762719	89	0	0	237192	1000000
10	1	18	47837	75	0	0	952088	1000000
11	2	18	823988	77	1617	0	174241	1000000
12	3	18	868935	61	1803	1197	127882	1000000

Type 5 #7 5522 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	192545	88	1485	1192	510396	705882
2	1	16	191990	68	0	0	513824	705882
3	3	16	549953	58	1083	1380	153292	705882
4	2	16	478091	67	1923	0	225734	705882
5	2	16	7264	73	1859	0	696613	705882
6	1	16	697075	68	0	0	8739	705882
7	1	16	35244	62	0	0	670576	705882
8	2	16	502205	88	1465	0	202036	705882
9	1	16	401961	66	0	0	303855	705882
10	2	16	407163	68	1635	0	296948	705882
11	2	16	436952	77	1287	0	267489	705882
12	1	16	212937	51	0	0	492894	705882
13	2	16	654385	53	1767	0	49624	705882
14	1	16	435588	63	0	0	270231	705882
15	2	16	222258	51	1986	0	481536	705882
16	3	16	17167	82	1657	1247	685565	705882
17	3	16	11514	75	1488	1897	690758	705882

Type 5 #8 5494 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	5	726010	73	0	0	196993	923076
2	3	5	616225	64	1404	1013	304242	923076
3	3	5	211698	53	1079	1592	708548	923076
4	2	5	409241	94	1963	0	511684	923076
5	1	5	537655	75	0	0	385346	923076
6	3	5	208099	62	1911	1334	711546	923076
7	3	5	438959	57	1018	1769	481159	923076
8	1	5	779232	85	0	0	143759	923076
9	2	5	395662	87	1129	0	526111	923076
10	3	5	813436	56	1447	1509	106516	923076
11	2	5	875172	76	1572	0	46180	923076
12	3	5	626492	60	1075	1036	294293	923076
13	3	5	757533	72	1758	1915	161654	923076

Type 5 #9 5494 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	6	41402	71	1374	1390	755621	800000
2	1	6	300786	73	0	0	499141	800000
3	2	6	564952	66	1632	0	233284	800000
4	2	6	263091	89	1798	0	534933	800000
5	2	6	788235	95	1999	0	9576	800000
6	2	6	604589	88	1306	0	193929	800000
7	3	6	506679	85	1064	1439	290563	800000
8	2	6	729416	66	1049	0	69403	800000
9	1	6	79968	93	0	0	719939	800000
10	2	6	700526	64	1615	0	97731	800000
11	3	6	773602	85	1564	1267	23312	800000
12	2	6	236528	85	1404	0	561898	800000
13	3	6	213503	63	1069	1681	583558	800000
14	1	6	639143	87	0	0	160770	800000
15	2	6	256168	88	1596	0	542060	800000

Type 5 #10 5495 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	7	1082127	66	0	0	8716	1090909
2	1	7	805317	90	0	0	285502	1090909
3	1	7	448226	95	0	0	642588	1090909
4	3	7	496663	54	1764	1785	590535	1090909
5	1	7	48546	54	0	0	1042309	1090909
6	1	7	1057309	76	0	0	33524	1090909
7	3	7	918567	70	1925	1784	168423	1090909
8	2	7	321910	57	1630	0	767255	1090909
9	3	7	945212	75	1470	1477	142525	1090909
10	3	7	606267	77	1337	1869	481205	1090909
11	1	7	438694	99	0	0	652116	1090909

Type 5 #11 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	5	886870	98	0	0	203941	1090909
2	2	5	625579	90	1066	0	464084	1090909
3	2	5	1034217	91	1490	0	55020	1090909
4	3	5	1065908	81	1872	1176	21710	1090909
5	2	5	727206	55	1526	0	362067	1090909
6	3	5	529274	99	1442	1268	558628	1090909
7	3	5	180276	52	1657	1340	907480	1090909
8	1	5	524287	72	0	0	566550	1090909
9	2	5	838247	65	1862	0	250670	1090909
10	3	5	1054388	59	1714	1528	33102	1090909
11	1	5	74751	63	0	0	1016095	1090909

Type 5 #12 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	14	216151	84	1977	1118	447168	666666
2	2	14	485534	58	1447	0	179569	666666
3	1	14	537460	75	0	0	129131	666666
4	2	14	525172	55	1898	0	139486	666666
5	3	14	516298	87	1494	1517	147096	666666
6	1	14	467768	63	0	0	198835	666666
7	1	14	571995	92	0	0	94579	666666
8	2	14	216378	81	1885	0	448241	666666
9	3	14	159822	79	1549	1080	503978	666666
10	1	14	176079	89	0	0	490498	666666
11	3	14	594627	68	1247	1793	68795	666666
12	3	14	54716	59	1459	1494	608820	666666
13	2	14	593415	53	1747	0	71398	666666
14	3	14	326296	82	1682	1195	337247	666666
15	2	14	439523	57	1212	0	225817	666666
16	3	14	5614	64	1588	1005	658267	666666
17	2	14	190377	67	1798	0	474357	666666
18	3	14	436939	81	1418	1426	226640	666666

Type 5 #13 5496 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	91156	56	0	0	1242121	1333333
2	3	10	952482	94	1675	1643	377251	1333333
3	2	10	883111	71	1182	0	448898	1333333
4	3	10	1126434	66	1716	1402	203583	1333333
5	2	10	471388	84	1073	0	860704	1333333
6	2	10	922774	96	1565	0	408802	1333333
7	1	10	373783	85	0	0	959465	1333333
8	3	10	164201	83	1941	1368	1165574	1333333
9	2	10	7210	74	1246	0	1324729	1333333

Type 5 #14 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	17	235654	62	1504	1866	392368	631578
2	1	17	480295	81	0	0	151202	631578
3	1	17	5350	92	0	0	626136	631578
4	3	17	243183	62	1626	1785	384798	631578
5	2	17	612214	97	1714	0	17456	631578
6	2	17	92658	90	1773	0	536967	631578
7	3	17	288260	98	1057	1920	340047	631578
8	2	17	410098	71	1429	0	219909	631578
9	3	17	140438	99	1364	1323	488156	631578
10	1	17	375478	64	0	0	256036	631578
11	1	17	269435	65	0	0	362078	631578
12	1	17	566820	76	0	0	64682	631578
13	1	17	325496	79	0	0	306003	631578
14	2	17	65546	92	1130	0	564718	631578
15	2	17	224573	62	1832	0	405049	631578
16	1	17	596174	87	0	0	35317	631578
17	2	17	336563	56	1340	0	293563	631578
18	2	17	401642	56	1554	0	228270	631578
19	2	17	229982	75	1384	0	400062	631578

Type 5 #15 5522 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	781017	59	1846	0	417019	1200000
2	1	15	1026053	58	0	0	173889	1200000
3	1	15	81901	90	0	0	1118009	1200000
4	1	15	962363	97	0	0	237540	1200000
5	1	15	959124	51	0	0	240825	1200000
6	1	15	732330	75	0	0	467595	1200000
7	1	15	834344	66	0	0	365590	1200000
8	3	15	985795	65	1606	1372	211032	1200000
9	3	15	1155396	75	1092	1882	41405	1200000
10	1	15	888417	93	0	0	311490	1200000

Type 5 #16 5522 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	14	417530	54	1838	1830	178640	600000
2	2	14	414019	75	1421	0	184410	600000
3	3	14	451764	96	1003	1185	145760	600000
4	2	14	96380	50	1061	0	502459	600000
5	2	14	95083	71	1625	0	503150	600000
6	2	14	24878	97	1915	0	573013	600000
7	3	14	289852	66	1623	1513	306814	600000
8	2	14	276435	61	1903	0	321540	600000
9	3	14	331304	63	1488	1942	265077	600000
10	1	14	250514	78	0	0	349408	600000
11	3	14	122460	96	1513	1493	474246	600000
12	1	14	342891	77	0	0	257032	600000
13	2	14	354167	57	1649	0	244070	600000
14	2	14	558730	84	1917	0	39185	600000
15	3	14	92275	58	1125	1700	504726	600000
16	1	14	577773	66	0	0	22161	600000
17	3	14	249858	68	1183	1625	347130	600000
18	1	14	168179	51	0	0	431770	600000
19	1	14	7685	85	0	0	592230	600000
20	3	14	568490	80	1626	1534	28110	600000

Type 5 #17 5522 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	596130	91	1621	1255	150721	750000
2	3	16	17578	55	1852	1153	729252	750000
3	1	16	490205	58	0	0	259737	750000
4	3	16	83930	100	1635	1089	663046	750000
5	3	16	656009	64	1528	1603	90668	750000
6	1	16	543004	71	0	0	206925	750000
7	3	16	651613	54	1635	1296	95294	750000
8	1	16	532851	75	0	0	217074	750000
9	1	16	452833	90	0	0	297077	750000
10	2	16	384160	59	1680	0	364042	750000
11	1	16	307491	92	0	0	442417	750000
12	3	16	612860	53	1337	1727	133917	750000
13	3	16	26903	51	1435	1091	720418	750000
14	1	16	190965	77	0	0	558958	750000
15	3	16	712142	89	1134	1112	35345	750000
16	3	16	147047	83	1926	1189	599589	750000

Type 5 #18 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	15	628586	61	1061	1144	292102	923076
2	1	15	656822	84	0	0	266170	923076
3	2	15	650992	78	1382	0	270546	923076
4	3	15	723126	80	1524	1691	196495	923076
5	3	15	18419	56	1688	1802	900999	923076
6	2	15	307949	59	1532	0	613477	923076
7	2	15	178111	67	1573	0	743258	923076
8	3	15	206772	51	1453	1973	712725	923076
9	1	15	745838	62	0	0	177176	923076
10	1	15	287344	75	0	0	635657	923076
11	1	15	827889	60	0	0	95127	923076
12	1	15	316699	55	0	0	606322	923076
13	2	15	179402	83	1499	0	742009	923076



Type 5 #19 5520 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	20	1244765	91	1493	1238	252231	1500000
2	2	20	703771	95	1441	0	794598	1500000
3	3	20	189839	57	1317	1221	1307452	1500000
4	2	20	1230262	73	1327	0	268265	1500000
5	2	20	712545	78	1792	0	785507	1500000
6	1	20	583564	93	0	0	916343	1500000
7	3	20	1112275	54	1534	1090	384939	1500000
8	3	20	1395473	77	1065	1751	101480	1500000

Type 5 #20 5520 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	20	695232	98	0	0	504670	1200000
2	3	20	534833	65	1963	1383	661626	1200000
3	3	20	64275	68	1465	1040	1133016	1200000
4	3	20	426297	89	1616	1227	770593	1200000
5	1	20	692223	52	0	0	507725	1200000
6	2	20	1190488	95	1533	0	7789	1200000
7	1	20	690214	65	0	0	509721	1200000
8	1	20	417872	50	0	0	782078	1200000
9	1	20	973076	56	0	0	226868	1200000
10	2	20	197303	78	1710	0	1000831	1200000

Type 5 #21 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	19	231189	97	0	0	474596	705882
2	1	19	52301	58	0	0	653523	705882
3	3	19	287102	68	1454	1867	415255	705882
4	2	19	300011	51	1042	0	404727	705882
5	2	19	447827	55	1617	0	256328	705882
6	2	19	155748	84	1290	0	548676	705882
7	3	19	570596	62	1966	1388	131746	705882
8	2	19	128736	72	1684	0	575318	705882
9	2	19	48587	52	1260	0	655931	705882
10	3	19	565701	84	1878	1699	136352	705882
11	3	19	266566	80	1343	1836	435897	705882
12	1	19	618816	92	0	0	86974	705882
13	2	19	344718	93	1163	0	359815	705882
14	2	19	407244	83	1597	0	296875	705882
15	2	19	31908	75	1242	0	672582	705882
16	2	19	7893	55	1566	0	696313	705882
17	2	19	315139	79	1581	0	389004	705882

Type 5 #22 5524 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	9	105153	75	1307	1766	982458	1090909
2	1	9	4617	79	0	0	1086213	1090909
3	1	9	486350	95	0	0	604464	1090909
4	1	9	863116	68	0	0	227725	1090909
5	1	9	13966	63	0	0	1076880	1090909
6	2	9	306624	73	1010	0	783129	1090909
7	3	9	591885	56	1434	1120	496302	1090909
8	1	9	1020345	75	0	0	70489	1090909
9	1	9	861812	93	0	0	229004	1090909
10	3	9	564149	81	1006	1132	524379	1090909
11	2	9	821798	56	1004	0	267995	1090909

Type 5 #23 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	461396	97	1816	1646	134851	600000
2	3	18	187198	94	1340	1787	409393	600000
3	2	18	288540	51	1946	0	309412	600000
4	2	18	188915	70	1493	0	409452	600000
5	3	18	219956	93	1539	1120	377106	600000
6	2	18	3724	77	1560	0	594562	600000
7	1	18	267422	76	0	0	332502	600000
8	1	18	73994	77	0	0	525929	600000
9	1	18	296859	68	0	0	303073	600000
10	3	18	310697	79	1703	1807	285556	600000
11	1	18	310287	72	0	0	289641	600000
12	2	18	200623	58	1972	0	397289	600000
13	1	18	479880	76	0	0	120044	600000
14	1	18	202100	64	0	0	397836	600000
15	2	18	41390	51	1569	0	556939	600000
16	2	18	14896	68	1061	0	583907	600000
17	2	18	336336	86	1542	0	261950	600000
18	2	18	303181	51	1442	0	295275	600000
19	2	18	22181	53	1743	0	575970	600000
20	1	18	547592	88	0	0	52320	600000

Type 5 #24 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	7	142153	66	1181	1048	946329	1090909
2	2	7	423314	74	1148	0	666299	1090909
3	3	7	855463	54	1957	1747	231580	1090909
4	1	7	482999	90	0	0	607820	1090909
5	1	7	954596	54	0	0	136259	1090909
6	3	7	156210	88	1151	1402	931882	1090909
7	1	7	855336	65	0	0	235508	1090909
8	1	7	377054	92	0	0	713763	1090909
9	2	7	928607	56	1597	0	160593	1090909
10	2	7	178745	70	1677	0	910347	1090909
11	3	7	808214	86	1138	1713	279586	1090909

Type 5 #25 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	717667	54	0	0	782279	1500000
2	1	10	260508	75	0	0	1239417	1500000
3	2	10	638718	97	1392	0	859696	1500000
4	2	10	977958	93	1692	0	520164	1500000
5	2	10	929810	56	1114	0	568964	1500000
6	3	10	436848	50	1491	1819	1059692	1500000
7	1	10	420572	99	0	0	1079329	1500000
8	1	10	1454419	91	0	0	45490	1500000

Type 5 #26 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	767529	66	1415	1287	86713	857142
2	3	16	216094	100	1227	1702	637819	857142
3	1	16	406146	73	0	0	450923	857142
4	3	16	831513	84	1209	1882	22286	857142
5	1	16	711014	72	0	0	146056	857142
6	1	16	160464	86	0	0	696592	857142
7	2	16	660796	87	1638	0	194534	857142
8	2	16	145771	80	1203	0	710008	857142
9	2	16	296536	53	1734	0	558766	857142
10	3	16	662006	75	1059	1147	192705	857142
11	1	16	249941	59	0	0	607142	857142
12	3	16	486237	57	1972	1871	366891	857142
13	1	16	117346	55	0	0	739741	857142
14	1	16	590014	81	0	0	267047	857142

Type 5 #27 5524 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	11	990647	62	1657	0	507572	1500000
2	1	11	1457652	63	0	0	42285	1500000
3	2	11	1492177	67	1538	0	6151	1500000
4	3	11	900299	66	1619	1333	596551	1500000
5	2	11	212979	98	1694	0	1285131	1500000
6	1	11	1211326	74	0	0	288600	1500000
7	1	11	229831	64	0	0	1270105	1500000
8	1	11	742564	98	0	0	757338	1500000

Type 5 #28 5495 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	7	28992	90	1666	0	826304	857142
2	3	7	375306	50	1263	1156	479267	857142
3	3	7	444684	70	1545	1277	409426	857142
4	3	7	679351	95	1769	1953	173784	857142
5	2	7	715381	92	1048	0	140529	857142
6	3	7	690066	56	1296	1299	164313	857142
7	1	7	488658	79	0	0	368405	857142
8	2	7	109493	79	1796	0	745695	857142
9	3	7	186259	86	1230	1553	667842	857142
10	3	7	164015	85	1824	1404	689644	857142
11	2	7	844980	50	1281	0	10781	857142
12	2	7	359988	59	1519	0	495517	857142
13	1	7	410559	53	0	0	446530	857142
14	3	7	831896	74	1951	1418	21655	857142

Type 5 #29 5497 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	347192	81	0	0	452727	800000
2	2	12	456259	95	1180	0	342371	800000
3	2	12	36190	59	1835	0	761857	800000
4	2	12	460944	62	1095	0	337837	800000
5	1	12	415507	99	0	0	384394	800000
6	2	12	607692	87	1406	0	190728	800000
7	3	12	391071	75	1034	1611	406059	800000
8	2	12	758289	78	1693	0	39862	800000
9	1	12	728092	94	0	0	71814	800000
10	1	12	773446	64	0	0	26490	800000
11	1	12	727602	68	0	0	72330	800000
12	2	12	440078	54	1438	0	358376	800000
13	1	12	52977	69	0	0	746954	800000
14	3	12	466292	71	1621	1076	330798	800000
15	3	12	395676	99	1676	1058	401293	800000

Type 5 #30 5495 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	7	27914	72	1816	0	893202	923076
2	2	7	885603	73	1517	0	35810	923076
3	3	7	401681	73	1306	1907	517963	923076
4	2	7	646406	67	1832	0	274704	923076
5	2	7	387715	50	1596	0	533665	923076
6	2	7	497509	55	1762	0	423695	923076
7	3	7	915056	86	1231	1068	5463	923076
8	1	7	66065	80	0	0	856931	923076
9	1	7	791659	51	0	0	131366	923076
10	2	7	827428	62	1589	0	93935	923076
11	3	7	200915	82	1875	1795	718245	923076
12	2	7	161451	61	1108	0	760395	923076
13	2	7	900556	88	1540	0	20804	923076

Type 6 #1 [Back to Summary]									
#01-5648	#02-5371	#03-5460	#04-5461	#05-5612	#06-5411	#07-5499	#08-5551	#09-5432	#10-5724
#11-5600	#12-5582	#13-5335	#14-5641	#15-5508	#16-5661	#17-5398	#18-5678	#19-5709	#20-5684
#21-5616	#22-5651	#23-5336	#24-5613	#25-5680	#26-5715	#27-5394	#28-5587	#29-5392	#30-5474
#31-5522	#32-5666	#33-5645	#34-5321	#35-5599	#36-5393	#37-5458	#38-5427	#39-5663	#40-5497
#41-5372	#42-5634	#43-5639	#44-5451	#45-5473	#46-5437	#47-5445	#48-5409	#49-5625	#50-5672
#51-5346	#52-5491	#53-5253	#54-5643	#55-5382	#56-5719	#57-5279	#58-5561	#59-5502	#60-5614
#61-5262	#62-5622	#63-5395	#64-5681	#65-5441	#66-5654	#67-5653	#68-5260	#69-5283	#70-5352
#71-5439	#72-5694	#73-5263	#74-5453	#75-5547	#76-5703	#77-5258	#78-5594	#79-5380	#80-5483
#81-5510	#82-5706	#83-5687	#84-5443	#85-5363	#86-5281	#87-5659	#88-5252	#89-5652	#90-5598
#91-5359	#92-5608	#93-5642	#94-5295	#95-5485	#96-5470	#97-5482	#98-5689	#99-5261	#100-5537

Type 6 #2 [Back to Summary]									
#01-5511	#02-5441	#03-5382	#04-5523	#05-5477	#06-5385	#07-5485	#08-5524	#09-5341	#10-5412
#11-5711	#12-5400	#13-5430	#14-5267	#15-5356	#16-5280	#17-5667	#18-5678	#19-5560	#20-5418
#21-5718	#22-5653	#23-5324	#24-5397	#25-5716	#26-5551	#27-5291	#28-5691	#29-5690	#30-5329
#31-5468	#32-5294	#33-5597	#34-5570	#35-5699	#36-5320	#37-5575	#38-5416	#39-5696	#40-5710
#41-5520	#42-5391	#43-5631	#44-5496	#45-5623	#46-5686	#47-5442	#48-5630	#49-5657	#50-5457
#51-5532	#52-5534	#53-5377	#54-5566	#55-5550	#56-5581	#57-5361	#58-5708	#59-5527	#60-5647
#61-5339	#62-5510	#63-5552	#64-5261	#65-5666	#66-5661	#67-5522	#68-5584	#69-5289	#70-5284
#71-5427	#72-5494	#73-5702	#74-5567	#75-5616	#76-5572	#77-5268	#78-5547	#79-5487	#80-5274
#81-5353	#82-5376	#83-5279	#84-5476	#85-5515	#86-5652	#87-5633	#88-5277	#89-5264	#90-5366
#91-5677	#92-5589	#93-5607	#94-5298	#95-5614	#96-5253	#97-5559	#98-5619	#99-5543	#100-5681

Type 6 #3 [Back to Summary]									
#01-5411	#02-5580	#03-5592	#04-5626	#05-5277	#06-5283	#07-5554	#08-5536	#09-5672	#10-5703
#11-5561	#12-5533	#13-5461	#14-5502	#15-5543	#16-5687	#17-5482	#18-5320	#19-5463	#20-5263
#21-5281	#22-5498	#23-5571	#24-5649	#25-5331	#26-5567	#27-5616	#28-5659	#29-5677	#30-5615
#31-5260	#32-5371	#33-5253	#34-5531	#35-5588	#36-5496	#37-5511	#38-5378	#39-5450	#40-5483
#41-5350	#42-5347	#43-5333	#44-5290	#45-5528	#46-5394	#47-5375	#48-5356	#49-5473	#50-5657
#51-5490	#52-5491	#53-5405	#54-5539	#55-5655	#56-5638	#57-5261	#58-5671	#59-5547	#60-5431
#61-5391	#62-5624	#63-5589	#64-5304	#65-5695	#66-5437	#67-5530	#68-5653	#69-5642	#70-5295
#71-5419	#72-5355	#73-5593	#74-5706	#75-5637	#76-5661	#77-5415	#78-5526	#79-5365	#80-5664
#81-5439	#82-5507	#83-5428	#84-5271	#85-5373	#86-5488	#87-5694	#88-5438	#89-5607	#90-5681
#91-5485	#92-5572	#93-5558	#94-5270	#95-5342	#96-5449	#97-5480	#98-5279	#99-5319	#100-5338

Type 6 #4 [Back to Summary]									
#01-5585	#02-5446	#03-5436	#04-5431	#05-5484	#06-5383	#07-5628	#08-5425	#09-5624	#10-5721
#11-5468	#12-5453	#13-5550	#14-5608	#15-5716	#16-5604	#17-5437	#18-5563	#19-5654	#20-5445
#21-5473	#22-5337	#23-5292	#24-5689	#25-5525	#26-5574	#27-5520	#28-5567	#29-5606	#30-5426
#31-5412	#32-5382	#33-5459	#34-5275	#35-5322	#36-5720	#37-5320	#38-5250	#39-5513	#40-5713
#41-5590	#42-5512	#43-5541	#44-5614	#45-5456	#46-5286	#47-5270	#48-5675	#49-5279	#50-5465
#51-5263	#52-5648	#53-5348	#54-5598	#55-5591	#56-5493	#57-5397	#58-5474	#59-5633	#60-5636
#61-5586	#62-5308	#63-5544	#64-5434	#65-5549	#66-5327	#67-5715	#68-5521	#69-5531	#70-5719
#71-5529	#72-5429	#73-5300	#74-5664	#75-5581	#76-5683	#77-5518	#78-5398	#79-5477	#80-5486
#81-5553	#82-5570	#83-5536	#84-5380	#85-5408	#86-5494	#87-5288	#88-5589	#89-5401	#90-5556
#91-5568	#92-5577	#93-5340	#94-5611	#95-5368	#96-5527	#97-5693	#98-5346	#99-5307	#100-5372

Type 6 #5 [Back to Summary]									
#01-5295	#02-5474	#03-5393	#04-5282	#05-5659	#06-5551	#07-5596	#08-5411	#09-5264	#10-5632
#11-5695	#12-5720	#13-5717	#14-5390	#15-5330	#16-5267	#17-5494	#18-5406	#19-5272	#20-5305
#21-5290	#22-5382	#23-5364	#24-5701	#25-5408	#26-5679	#27-5346	#28-5427	#29-5538	#30-5303
#31-5714	#32-5428	#33-5349	#34-5353	#35-5450	#36-5333	#37-5436	#38-5512	#39-5465	#40-5595
#41-5627	#42-5604	#43-5574	#44-5508	#45-5587	#46-5572	#47-5583	#48-5677	#49-5526	#50-5361
#51-5287	#52-5540	#53-5332	#54-5257	#55-5344	#56-5642	#57-5367	#58-5421	#59-5608	#60-5700
#61-5461	#62-5430	#63-5602	#64-5687	#65-5641	#66-5523	#67-5624	#68-5618	#69-5671	#70-5724
#71-5560	#72-5710	#73-5668	#74-5401	#75-5400	#76-5412	#77-5530	#78-5578	#79-5365	#80-5552
#81-5347	#82-5389	#83-5620	#84-5431	#85-5261	#86-5433	#87-5338	#88-5336	#89-5255	#90-5527
#91-5691	#92-5263	#93-5626	#94-5483	#95-5388	#96-5458	#97-5252	#98-5609	#99-5586	#100-5313

Type 6 #6 [Back to Summary]									
#01-5672	#02-5688	#03-5255	#04-5525	#05-5520	#06-5301	#07-5591	#08-5652	#09-5580	#10-5656
#11-5357	#12-5500	#13-5299	#14-5300	#15-5602	#16-5317	#17-5527	#18-5424	#19-5676	#20-5462
#21-5431	#22-5536	#23-5612	#24-5394	#25-5280	#26-5551	#27-5336	#28-5441	#29-5264	#30-5673
#31-5406	#32-5647	#33-5720	#34-5304	#35-5607	#36-5385	#37-5384	#38-5346	#39-5629	#40-5689
#41-5559	#42-5413	#43-5480	#44-5325	#45-5420	#46-5442	#47-5687	#48-5575	#49-5601	#50-5322
#51-5649	#52-5552	#53-5658	#54-5373	#55-5604	#56-5386	#57-5327	#58-5582	#59-5493	#60-5697
#61-5692	#62-5400	#63-5636	#64-5631	#65-5497	#66-5434	#67-5506	#68-5722	#69-5414	#70-5465
#71-5653	#72-5430	#73-5516	#74-5713	#75-5623	#76-5269	#77-5303	#78-5534	#79-5702	#80-5561
#81-5584	#82-5477	#83-5557	#84-5666	#85-5270	#86-5571	#87-5715	#88-5589	#89-5415	#90-5464
#91-5307	#92-5517	#93-5567	#94-5657	#95-5721	#96-5401	#97-5488	#98-5563	#99-5539	#100-5707



Type 6 #7 [Back to Summary]									
#01-5655	#02-5689	#03-5409	#04-5384	#05-5390	#06-5468	#07-5283	#08-5669	#09-5472	#10-5585
#11-5330	#12-5514	#13-5608	#14-5653	#15-5354	#16-5455	#17-5562	#18-5697	#19-5612	#20-5646
#21-5441	#22-5636	#23-5547	#24-5671	#25-5406	#26-5376	#27-5580	#28-5582	#29-5716	#30-5465
#31-5494	#32-5454	#33-5714	#34-5715	#35-5631	#36-5619	#37-5318	#38-5422	#39-5523	#40-5525
#41-5539	#42-5293	#43-5368	#44-5557	#45-5383	#46-5513	#47-5640	#48-5642	#49-5548	#50-5508
#51-5568	#52-5520	#53-5682	#54-5621	#55-5505	#56-5264	#57-5380	#58-5456	#59-5701	#60-5259
#61-5603	#62-5416	#63-5676	#64-5251	#65-5333	#66-5593	#67-5517	#68-5613	#69-5269	#70-5447
#71-5374	#72-5377	#73-5413	#74-5328	#75-5347	#76-5394	#77-5507	#78-5713	#79-5529	#80-5611
#81-5457	#82-5663	#83-5280	#84-5443	#85-5620	#86-5694	#87-5492	#88-5332	#89-5442	#90-5615
#91-5480	#92-5577	#93-5440	#94-5510	#95-5645	#96-5360	#97-5336	#98-5363	#99-5467	#100-5512

Type 6 #8 [Back to Summary]									
#01-5719	#02-5275	#03-5625	#04-5347	#05-5383	#06-5437	#07-5358	#08-5598	#09-5521	#10-5369
#11-5479	#12-5400	#13-5658	#14-5335	#15-5524	#16-5669	#17-5392	#18-5478	#19-5353	#20-5368
#21-5344	#22-5439	#23-5419	#24-5376	#25-5696	#26-5529	#27-5659	#28-5627	#29-5416	#30-5708
#31-5301	#32-5393	#33-5495	#34-5264	#35-5619	#36-5442	#37-5287	#38-5660	#39-5316	#40-5440
#41-5587	#42-5629	#43-5545	#44-5329	#45-5394	#46-5334	#47-5651	#48-5364	#49-5718	#50-5701
#51-5702	#52-5589	#53-5267	#54-5355	#55-5426	#56-5537	#57-5582	#58-5503	#59-5379	#60-5581
#61-5505	#62-5460	#63-5438	#64-5541	#65-5311	#66-5332	#67-5634	#68-5643	#69-5448	#70-5330
#71-5630	#72-5463	#73-5411	#74-5645	#75-5509	#76-5449	#77-5615	#78-5327	#79-5709	#80-5607
#81-5596	#82-5547	#83-5635	#84-5436	#85-5254	#86-5441	#87-5372	#88-5387	#89-5569	#90-5328
#91-5577	#92-5515	#93-5534	#94-5466	#95-5662	#96-5380	#97-5450	#98-5255	#99-5266	#100-5299

Type 6 #9 [Back to Summary]									
#01-5429	#02-5258	#03-5647	#04-5632	#05-5322	#06-5496	#07-5433	#08-5349	#09-5574	#10-5702
#11-5641	#12-5499	#13-5516	#14-5491	#15-5709	#16-5682	#17-5546	#18-5722	#19-5530	#20-5600
#21-5687	#22-5489	#23-5320	#24-5355	#25-5476	#26-5365	#27-5648	#28-5671	#29-5711	#30-5372
#31-5724	#32-5608	#33-5314	#34-5651	#35-5424	#36-5584	#37-5617	#38-5250	#39-5362	#40-5478
#41-5254	#42-5275	#43-5534	#44-5588	#45-5415	#46-5329	#47-5719	#48-5290	#49-5470	#50-5695
#51-5555	#52-5443	#53-5444	#54-5387	#55-5338	#56-5656	#57-5657	#58-5537	#59-5399	#60-5677
#61-5567	#62-5480	#63-5358	#64-5447	#65-5700	#66-5278	#67-5427	#68-5582	#69-5310	#70-5369
#71-5307	#72-5544	#73-5604	#74-5297	#75-5595	#76-5662	#77-5680	#78-5453	#79-5659	#80-5398
#81-5368	#82-5605	#83-5445	#84-5263	#85-5536	#86-5522	#87-5411	#88-5646	#89-5560	#90-5492
#91-5650	#92-5330	#93-5568	#94-5405	#95-5630	#96-5490	#97-5631	#98-5334	#99-5609	#100-5385

Type 6 #10 [Back to Summary]									
#01-5623	#02-5384	#03-5701	#04-5355	#05-5638	#06-5262	#07-5562	#08-5399	#09-5515	#10-5401
#11-5699	#12-5454	#13-5601	#14-5250	#15-5559	#16-5686	#17-5287	#18-5347	#19-5633	#20-5426
#21-5587	#22-5501	#23-5273	#24-5540	#25-5440	#26-5704	#27-5696	#28-5448	#29-5385	#30-5351
#31-5277	#32-5595	#33-5566	#34-5522	#35-5500	#36-5711	#37-5631	#38-5339	#39-5348	#40-5527
#41-5685	#42-5267	#43-5388	#44-5415	#45-5519	#46-5451	#47-5456	#48-5573	#49-5575	#50-5672
#51-5459	#52-5538	#53-5425	#54-5436	#55-5525	#56-5367	#57-5360	#58-5408	#59-5643	#60-5660
#61-5289	#62-5363	#63-5261	#64-5412	#65-5373	#66-5350	#67-5614	#68-5326	#69-5477	#70-5578
#71-5304	#72-5670	#73-5724	#74-5354	#75-5466	#76-5574	#77-5365	#78-5586	#79-5271	#80-5715
#81-5499	#82-5377	#83-5603	#84-5439	#85-5621	#86-5465	#87-5419	#88-5379	#89-5721	#90-5382
#91-5599	#92-5478	#93-5427	#94-5414	#95-5493	#96-5576	#97-5254	#98-5698	#99-5291	#100-5418

Type 6 #11 [Back to Summary]									
#01-5562	#02-5374	#03-5349	#04-5723	#05-5619	#06-5513	#07-5539	#08-5320	#09-5700	#10-5677
#11-5255	#12-5502	#13-5388	#14-5651	#15-5411	#16-5636	#17-5488	#18-5548	#19-5516	#20-5635
#21-5660	#22-5479	#23-5330	#24-5339	#25-5702	#26-5555	#27-5491	#28-5559	#29-5590	#30-5611
#31-5566	#32-5386	#33-5538	#34-5578	#35-5398	#36-5369	#37-5275	#38-5600	#39-5537	#40-5352
#41-5646	#42-5343	#43-5402	#44-5291	#45-5375	#46-5340	#47-5331	#48-5495	#49-5252	#50-5579
#51-5329	#52-5432	#53-5434	#54-5379	#55-5478	#56-5325	#57-5290	#58-5259	#59-5272	#60-5312
#61-5269	#62-5706	#63-5458	#64-5342	#65-5366	#66-5596	#67-5687	#68-5534	#69-5503	#70-5287
#71-5616	#72-5620	#73-5257	#74-5419	#75-5716	#76-5568	#77-5333	#78-5292	#79-5690	#80-5612
#81-5472	#82-5721	#83-5558	#84-5265	#85-5529	#86-5394	#87-5682	#88-5422	#89-5355	#90-5322
#91-5336	#92-5270	#93-5584	#94-5482	#95-5345	#96-5667	#97-5622	#98-5315	#99-5658	#100-5511

Type 6 #12 [Back to Summary]									
#01-5381	#02-5526	#03-5722	#04-5690	#05-5688	#06-5441	#07-5423	#08-5269	#09-5385	#10-5639
#11-5723	#12-5253	#13-5293	#14-5389	#15-5565	#16-5273	#17-5400	#18-5444	#19-5533	#20-5698
#21-5631	#22-5519	#23-5434	#24-5428	#25-5677	#26-5592	#27-5286	#28-5501	#29-5327	#30-5302
#31-5670	#32-5265	#33-5358	#34-5432	#35-5479	#36-5668	#37-5724	#38-5589	#39-5301	#40-5339
#41-5684	#42-5658	#43-5281	#44-5436	#45-5325	#46-5332	#47-5699	#48-5447	#49-5634	#50-5316
#51-5518	#52-5426	#53-5509	#54-5678	#55-5599	#56-5583	#57-5345	#58-5545	#59-5260	#60-5350
#61-5409	#62-5644	#63-5663	#64-5338	#65-5691	#66-5707	#67-5615	#68-5582	#69-5628	#70-5612
#71-5272	#72-5529	#73-5393	#74-5449	#75-5262	#76-5694	#77-5489	#78-5250	#79-5359	#80-5597
#81-5613	#82-5564	#83-5579	#84-5264	#85-5505	#86-5496	#87-5481	#88-5401	#89-5551	#90-5611
#91-5573	#92-5429	#93-5575	#94-5673	#95-5651	#96-5292	#97-5718	#98-5662	#99-5464	#100-5342

Type 6 #13 [Back to Summary]									
#01-5432	#02-5361	#03-5531	#04-5269	#05-5292	#06-5710	#07-5283	#08-5315	#09-5669	#10-5631
#11-5348	#12-5343	#13-5442	#14-5386	#15-5457	#16-5564	#17-5311	#18-5656	#19-5554	#20-5446
#21-5479	#22-5473	#23-5285	#24-5270	#25-5293	#26-5570	#27-5677	#28-5441	#29-5517	#30-5698
#31-5700	#32-5547	#33-5510	#34-5263	#35-5419	#36-5508	#37-5291	#38-5572	#39-5694	#40-5525
#41-5467	#42-5418	#43-5458	#44-5646	#45-5522	#46-5489	#47-5716	#48-5447	#49-5476	#50-5344
#51-5703	#52-5317	#53-5369	#54-5273	#55-5593	#56-5685	#57-5330	#58-5514	#59-5704	#60-5451
#61-5286	#62-5574	#63-5530	#64-5693	#65-5653	#66-5528	#67-5560	#68-5422	#69-5686	#70-5667
#71-5523	#72-5466	#73-5681	#74-5279	#75-5702	#76-5309	#77-5262	#78-5365	#79-5477	#80-5533
#81-5581	#82-5480	#83-5687	#84-5414	#85-5720	#86-5630	#87-5424	#88-5487	#89-5396	#90-5453
#91-5425	#92-5504	#93-5591	#94-5495	#95-5488	#96-5620	#97-5617	#98-5482	#99-5715	#100-5718

Type 6 #14 [Back to Summary]									
#01-5654	#02-5539	#03-5481	#04-5526	#05-5546	#06-5483	#07-5352	#08-5335	#09-5293	#10-5532
#11-5674	#12-5690	#13-5283	#14-5425	#15-5600	#16-5529	#17-5603	#18-5355	#19-5702	#20-5269
#21-5346	#22-5320	#23-5274	#24-5482	#25-5493	#26-5268	#27-5607	#28-5440	#29-5517	#30-5332
#31-5414	#32-5507	#33-5375	#34-5484	#35-5601	#36-5286	#37-5721	#38-5415	#39-5602	#40-5486
#41-5535	#42-5343	#43-5443	#44-5596	#45-5510	#46-5463	#47-5468	#48-5410	#49-5625	#50-5683
#51-5267	#52-5516	#53-5508	#54-5696	#55-5626	#56-5585	#57-5518	#58-5724	#59-5285	#60-5530
#61-5610	#62-5641	#63-5549	#64-5687	#65-5366	#66-5412	#67-5568	#68-5525	#69-5556	#70-5566
#71-5536	#72-5432	#73-5472	#74-5458	#75-5455	#76-5254	#77-5609	#78-5398	#79-5701	#80-5278
#81-5523	#82-5435	#83-5551	#84-5564	#85-5310	#86-5631	#87-5723	#88-5394	#89-5588	#90-5262
#91-5490	#92-5719	#93-5374	#94-5321	#95-5612	#96-5623	#97-5519	#98-5470	#99-5466	#100-5338

Type 6 #15 [Back to Summary]									
#01-5622	#02-5667	#03-5583	#04-5305	#05-5397	#06-5554	#07-5283	#08-5289	#09-5481	#10-5616
#11-5706	#12-5361	#13-5273	#14-5256	#15-5252	#16-5415	#17-5346	#18-5710	#19-5626	#20-5469
#21-5420	#22-5417	#23-5665	#24-5538	#25-5322	#26-5537	#27-5311	#28-5409	#29-5588	#30-5571
#31-5459	#32-5375	#33-5654	#34-5608	#35-5381	#36-5581	#37-5582	#38-5490	#39-5412	#40-5482
#41-5593	#42-5686	#43-5646	#44-5694	#45-5284	#46-5383	#47-5698	#48-5372	#49-5321	#50-5444
#51-5523	#52-5535	#53-5576	#54-5259	#55-5649	#56-5458	#57-5251	#58-5299	#59-5713	#60-5585
#61-5497	#62-5602	#63-5428	#64-5636	#65-5407	#66-5578	#67-5433	#68-5389	#69-5601	#70-5394
#71-5552	#72-5575	#73-5545	#74-5393	#75-5604	#76-5456	#77-5493	#78-5697	#79-5503	#80-5662
#81-5561	#82-5661	#83-5334	#84-5391	#85-5296	#86-5645	#87-5516	#88-5644	#89-5685	#90-5647
#91-5572	#92-5527	#93-5496	#94-5544	#95-5711	#96-5716	#97-5501	#98-5262	#99-5526	#100-5422

Type 6 #16 [Back to Summary]									
#01-5676	#02-5555	#03-5496	#04-5649	#05-5610	#06-5668	#07-5714	#08-5430	#09-5379	#10-5439
#11-5689	#12-5279	#13-5515	#14-5299	#15-5269	#16-5560	#17-5513	#18-5281	#19-5587	#20-5486
#21-5312	#22-5511	#23-5428	#24-5679	#25-5540	#26-5270	#27-5329	#28-5721	#29-5409	#30-5611
#31-5671	#32-5480	#33-5408	#34-5328	#35-5708	#36-5258	#37-5412	#38-5410	#39-5508	#40-5353
#41-5653	#42-5339	#43-5514	#44-5492	#45-5682	#46-5549	#47-5267	#48-5451	#49-5533	#50-5395
#51-5449	#52-5476	#53-5393	#54-5296	#55-5364	#56-5415	#57-5374	#58-5548	#59-5358	#60-5595
#61-5593	#62-5717	#63-5272	#64-5497	#65-5494	#66-5458	#67-5597	#68-5440	#69-5316	#70-5260
#71-5398	#72-5354	#73-5502	#74-5487	#75-5566	#76-5698	#77-5250	#78-5661	#79-5722	#80-5715
#81-5252	#82-5604	#83-5442	#84-5265	#85-5414	#86-5448	#87-5337	#88-5368	#89-5687	#90-5552
#91-5613	#92-5598	#93-5305	#94-5641	#95-5489	#96-5660	#97-5318	#98-5271	#99-5251	#100-5477

Type 6 #17 [Back to Summary]									
#01-5680	#02-5553	#03-5386	#04-5520	#05-5724	#06-5344	#07-5704	#08-5635	#09-5460	#10-5390
#11-5412	#12-5437	#13-5545	#14-5364	#15-5589	#16-5714	#17-5526	#18-5257	#19-5330	#20-5296
#21-5369	#22-5478	#23-5475	#24-5495	#25-5376	#26-5530	#27-5300	#28-5581	#29-5721	#30-5619
#31-5632	#32-5706	#33-5660	#34-5494	#35-5285	#36-5422	#37-5463	#38-5643	#39-5263	#40-5316
#41-5465	#42-5424	#43-5627	#44-5548	#45-5381	#46-5419	#47-5297	#48-5661	#49-5303	#50-5500
#51-5385	#52-5308	#53-5658	#54-5677	#55-5355	#56-5453	#57-5328	#58-5615	#59-5396	#60-5448
#61-5291	#62-5375	#63-5639	#64-5569	#65-5487	#66-5432	#67-5505	#68-5299	#69-5331	#70-5418
#71-5507	#72-5608	#73-5718	#74-5265	#75-5560	#76-5670	#77-5575	#78-5652	#79-5359	#80-5682
#81-5481	#82-5363	#83-5529	#84-5476	#85-5485	#86-5577	#87-5294	#88-5707	#89-5392	#90-5561
#91-5341	#92-5574	#93-5503	#94-5543	#95-5270	#96-5338	#97-5514	#98-5311	#99-5314	#100-5678

Type 6 #18 [Back to Summary]									
#01-5645	#02-5723	#03-5579	#04-5610	#05-5721	#06-5500	#07-5312	#08-5642	#09-5370	#10-5409
#11-5602	#12-5399	#13-5505	#14-5436	#15-5691	#16-5653	#17-5570	#18-5413	#19-5332	#20-5631
#21-5379	#22-5514	#23-5633	#24-5492	#25-5320	#26-5654	#27-5355	#28-5427	#29-5716	#30-5464
#31-5406	#32-5511	#33-5586	#34-5404	#35-5282	#36-5479	#37-5509	#38-5638	#39-5473	#40-5704
#41-5510	#42-5374	#43-5584	#44-5701	#45-5676	#46-5666	#47-5310	#48-5307	#49-5568	#50-5339
#51-5485	#52-5341	#53-5698	#54-5400	#55-5543	#56-5375	#57-5333	#58-5328	#59-5537	#60-5314
#61-5392	#62-5607	#63-5649	#64-5625	#65-5250	#66-5340	#67-5534	#68-5347	#69-5402	#70-5459
#71-5391	#72-5660	#73-5663	#74-5352	#75-5369	#76-5252	#77-5652	#78-5656	#79-5542	#80-5380
#81-5585	#82-5290	#83-5575	#84-5620	#85-5700	#86-5308	#87-5532	#88-5437	#89-5582	#90-5626
#91-5390	#92-5428	#93-5348	#94-5412	#95-5557	#96-5622	#97-5454	#98-5682	#99-5703	#100-5578

Type 6 #19 [Back to Summary]									
#01-5381	#02-5692	#03-5635	#04-5362	#05-5673	#06-5554	#07-5406	#08-5595	#09-5281	#10-5542
#11-5450	#12-5407	#13-5515	#14-5409	#15-5456	#16-5347	#17-5279	#18-5274	#19-5653	#20-5661
#21-5531	#22-5350	#23-5487	#24-5497	#25-5317	#26-5694	#27-5559	#28-5505	#29-5519	#30-5469
#31-5524	#32-5698	#33-5678	#34-5682	#35-5723	#36-5618	#37-5380	#38-5463	#39-5672	#40-5392
#41-5630	#42-5662	#43-5399	#44-5292	#45-5428	#46-5711	#47-5629	#48-5664	#49-5675	#50-5457
#51-5591	#52-5424	#53-5276	#54-5291	#55-5304	#56-5280	#57-5453	#58-5386	#59-5296	#60-5706
#61-5722	#62-5619	#63-5327	#64-5535	#65-5268	#66-5478	#67-5451	#68-5557	#69-5410	#70-5560
#71-5688	#72-5537	#73-5324	#74-5504	#75-5273	#76-5587	#77-5667	#78-5439	#79-5316	#80-5333
#81-5309	#82-5610	#83-5551	#84-5308	#85-5596	#86-5344	#87-5663	#88-5631	#89-5622	#90-5690
#91-5414	#92-5718	#93-5420	#94-5693	#95-5394	#96-5256	#97-5581	#98-5584	#99-5269	#100-5670

Type 6 #20 [Back to Summary]									
#01-5507	#02-5326	#03-5506	#04-5368	#05-5495	#06-5307	#07-5355	#08-5497	#09-5265	#10-5440
#11-5335	#12-5263	#13-5324	#14-5688	#15-5649	#16-5361	#17-5323	#18-5271	#19-5665	#20-5653
#21-5539	#22-5547	#23-5656	#24-5446	#25-5398	#26-5697	#27-5372	#28-5358	#29-5364	#30-5269
#31-5253	#32-5334	#33-5426	#34-5374	#35-5556	#36-5707	#37-5365	#38-5442	#39-5542	#40-5546
#41-5714	#42-5427	#43-5620	#44-5445	#45-5609	#46-5407	#47-5645	#48-5464	#49-5296	#50-5290
#51-5661	#52-5571	#53-5652	#54-5347	#55-5396	#56-5689	#57-5403	#58-5313	#59-5699	#60-5528
#61-5666	#62-5724	#63-5391	#64-5721	#65-5441	#66-5254	#67-5572	#68-5680	#69-5393	#70-5664
#71-5723	#72-5610	#73-5465	#74-5378	#75-5658	#76-5366	#77-5641	#78-5473	#79-5562	#80-5715
#81-5299	#82-5627	#83-5309	#84-5319	#85-5337	#86-5418	#87-5411	#88-5327	#89-5696	#90-5585
#91-5560	#92-5294	#93-5469	#94-5261	#95-5598	#96-5711	#97-5284	#98-5617	#99-5251	#100-5600

Type 6 #21 [Back to Summary]									
#01-5558	#02-5689	#03-5320	#04-5353	#05-5289	#06-5296	#07-5360	#08-5530	#09-5409	#10-5276
#11-5290	#12-5654	#13-5477	#14-5706	#15-5475	#16-5280	#17-5664	#18-5319	#19-5637	#20-5273
#21-5576	#22-5495	#23-5707	#24-5526	#25-5362	#26-5678	#27-5404	#28-5449	#29-5500	#30-5672
#31-5331	#32-5277	#33-5466	#34-5683	#35-5412	#36-5339	#37-5565	#38-5680	#39-5281	#40-5291
#41-5308	#42-5599	#43-5641	#44-5671	#45-5547	#46-5627	#47-5544	#48-5481	#49-5513	#50-5570
#51-5303	#52-5694	#53-5710	#54-5702	#55-5278	#56-5321	#57-5708	#58-5517	#59-5721	#60-5342
#61-5614	#62-5629	#63-5283	#64-5456	#65-5666	#66-5261	#67-5439	#68-5515	#69-5545	#70-5391
#71-5441	#72-5709	#73-5288	#74-5596	#75-5691	#76-5698	#77-5572	#78-5285	#79-5700	#80-5450
#81-5386	#82-5639	#83-5650	#84-5644	#85-5613	#86-5365	#87-5298	#88-5484	#89-5646	#90-5349
#91-5358	#92-5300	#93-5677	#94-5660	#95-5397	#96-5398	#97-5561	#98-5433	#99-5250	#100-5529

Type 6 #22 [Back to Summary]									
#01-5441	#02-5278	#03-5658	#04-5374	#05-5378	#06-5316	#07-5656	#08-5359	#09-5258	#10-5302
#11-5467	#12-5675	#13-5541	#14-5520	#15-5678	#16-5698	#17-5701	#18-5353	#19-5559	#20-5562
#21-5694	#22-5674	#23-5585	#24-5452	#25-5285	#26-5398	#27-5273	#28-5342	#29-5458	#30-5550
#31-5386	#32-5394	#33-5283	#34-5423	#35-5260	#36-5357	#37-5714	#38-5535	#39-5526	#40-5560
#41-5431	#42-5655	#43-5480	#44-5604	#45-5606	#46-5407	#47-5482	#48-5417	#49-5717	#50-5422
#51-5419	#52-5468	#53-5600	#54-5412	#55-5567	#56-5491	#57-5415	#58-5457	#59-5336	#60-5705
#61-5293	#62-5569	#63-5627	#64-5435	#65-5641	#66-5321	#67-5639	#68-5367	#69-5510	#70-5575
#71-5709	#72-5413	#73-5553	#74-5251	#75-5381	#76-5287	#77-5453	#78-5708	#79-5576	#80-5608
#81-5642	#82-5583	#83-5347	#84-5286	#85-5382	#86-5644	#87-5516	#88-5595	#89-5582	#90-5497
#91-5665	#92-5506	#93-5445	#94-5542	#95-5513	#96-5591	#97-5280	#98-5297	#99-5685	#100-5530

Type 6 #23 [Back to Summary]									
#01-5488	#02-5360	#03-5632	#04-5394	#05-5437	#06-5252	#07-5637	#08-5597	#09-5280	#10-5528
#11-5290	#12-5432	#13-5608	#14-5460	#15-5313	#16-5436	#17-5466	#18-5592	#19-5301	#20-5723
#21-5533	#22-5297	#23-5514	#24-5262	#25-5635	#26-5451	#27-5695	#28-5259	#29-5464	#30-5522
#31-5255	#32-5404	#33-5276	#34-5294	#35-5370	#36-5538	#37-5676	#38-5682	#39-5575	#40-5381
#41-5260	#42-5646	#43-5567	#44-5310	#45-5461	#46-5486	#47-5627	#48-5711	#49-5484	#50-5334
#51-5377	#52-5417	#53-5720	#54-5687	#55-5251	#56-5445	#57-5574	#58-5621	#59-5492	#60-5710
#61-5286	#62-5628	#63-5388	#64-5489	#65-5526	#66-5610	#67-5408	#68-5568	#69-5345	#70-5508
#71-5487	#72-5511	#73-5271	#74-5649	#75-5714	#76-5613	#77-5455	#78-5458	#79-5532	#80-5398
#81-5553	#82-5706	#83-5503	#84-5380	#85-5392	#86-5565	#87-5407	#88-5316	#89-5293	#90-5653
#91-5684	#92-5308	#93-5442	#94-5588	#95-5348	#96-5356	#97-5512	#98-5332	#99-5510	#100-5578

Type 6 #24 [Back to Summary]									
#01-5325	#02-5309	#03-5618	#04-5701	#05-5568	#06-5590	#07-5397	#08-5324	#09-5696	#10-5364
#11-5711	#12-5363	#13-5342	#14-5338	#15-5415	#16-5298	#17-5379	#18-5253	#19-5344	#20-5682
#21-5455	#22-5349	#23-5529	#24-5424	#25-5547	#26-5436	#27-5314	#28-5411	#29-5552	#30-5611
#31-5357	#32-5381	#33-5677	#34-5679	#35-5322	#36-5494	#37-5341	#38-5527	#39-5541	#40-5531
#41-5422	#42-5333	#43-5343	#44-5651	#45-5662	#46-5575	#47-5687	#48-5359	#49-5431	#50-5292
#51-5705	#52-5507	#53-5715	#54-5549	#55-5376	#56-5704	#57-5508	#58-5454	#59-5410	#60-5392
#61-5528	#62-5716	#63-5502	#64-5334	#65-5259	#66-5588	#67-5417	#68-5391	#69-5264	#70-5644
#71-5681	#72-5579	#73-5447	#74-5540	#75-5518	#76-5371	#77-5255	#78-5604	#79-5484	#80-5695
#81-5473	#82-5680	#83-5707	#84-5503	#85-5628	#86-5576	#87-5389	#88-5383	#89-5561	#90-5340
#91-5708	#92-5615	#93-5369	#94-5404	#95-5251	#96-5433	#97-5560	#98-5254	#99-5639	#100-5321

Type 6 #25 [Back to Summary]									
#01-5410	#02-5550	#03-5340	#04-5503	#05-5336	#06-5379	#07-5313	#08-5429	#09-5279	#10-5253
#11-5700	#12-5631	#13-5693	#14-5435	#15-5643	#16-5567	#17-5259	#18-5723	#19-5434	#20-5411
#21-5451	#22-5281	#23-5555	#24-5645	#25-5663	#26-5319	#27-5461	#28-5291	#29-5536	#30-5344
#31-5537	#32-5252	#33-5685	#34-5404	#35-5540	#36-5644	#37-5595	#38-5457	#39-5416	#40-5502
#41-5512	#42-5684	#43-5352	#44-5558	#45-5370	#46-5328	#47-5649	#48-5660	#49-5483	#50-5412
#51-5419	#52-5562	#53-5546	#54-5482	#55-5606	#56-5380	#57-5721	#58-5422	#59-5569	#60-5269
#61-5647	#62-5275	#63-5616	#64-5666	#65-5445	#66-5698	#67-5670	#68-5538	#69-5618	#70-5724
#71-5696	#72-5524	#73-5556	#74-5654	#75-5620	#76-5484	#77-5651	#78-5720	#79-5518	#80-5581
#81-5389	#82-5514	#83-5525	#84-5368	#85-5641	#86-5701	#87-5425	#88-5448	#89-5515	#90-5397
#91-5639	#92-5414	#93-5607	#94-5386	#95-5576	#96-5477	#97-5312	#98-5401	#99-5354	#100-5388

Type 6 #26 [Back to Summary]									
#01-5382	#02-5356	#03-5290	#04-5484	#05-5439	#06-5613	#07-5250	#08-5614	#09-5582	#10-5367
#11-5453	#12-5723	#13-5622	#14-5704	#15-5596	#16-5374	#17-5467	#18-5492	#19-5265	#20-5468
#21-5517	#22-5465	#23-5269	#24-5463	#25-5326	#26-5527	#27-5642	#28-5411	#29-5328	#30-5390
#31-5420	#32-5498	#33-5612	#34-5378	#35-5452	#36-5288	#37-5487	#38-5300	#39-5664	#40-5286
#41-5700	#42-5548	#43-5599	#44-5406	#45-5681	#46-5650	#47-5531	#48-5636	#49-5525	#50-5454
#51-5268	#52-5556	#53-5395	#54-5623	#55-5607	#56-5645	#57-5338	#58-5553	#59-5405	#60-5643
#61-5697	#62-5564	#63-5536	#64-5440	#65-5674	#66-5685	#67-5359	#68-5493	#69-5503	#70-5560
#71-5618	#72-5414	#73-5554	#74-5706	#75-5488	#76-5696	#77-5591	#78-5584	#79-5505	#80-5396
#81-5721	#82-5255	#83-5611	#84-5593	#85-5362	#86-5587	#87-5341	#88-5715	#89-5490	#90-5532
#91-5672	#92-5655	#93-5617	#94-5272	#95-5311	#96-5380	#97-5258	#98-5399	#99-5450	#100-5720

Type 6 #27 [Back to Summary]									
#01-5535	#02-5284	#03-5382	#04-5688	#05-5562	#06-5577	#07-5723	#08-5415	#09-5377	#10-5634
#11-5297	#12-5476	#13-5293	#14-5252	#15-5643	#16-5691	#17-5673	#18-5661	#19-5324	#20-5331
#21-5585	#22-5372	#23-5720	#24-5690	#25-5606	#26-5684	#27-5519	#28-5528	#29-5636	#30-5353
#31-5686	#32-5438	#33-5378	#34-5507	#35-5589	#36-5682	#37-5593	#38-5645	#39-5283	#40-5512
#41-5587	#42-5651	#43-5579	#44-5578	#45-5481	#46-5442	#47-5607	#48-5611	#49-5350	#50-5343
#51-5432	#52-5317	#53-5328	#54-5379	#55-5386	#56-5413	#57-5286	#58-5416	#59-5327	#60-5597
#61-5302	#62-5443	#63-5497	#64-5272	#65-5669	#66-5574	#67-5348	#68-5503	#69-5388	#70-5679
#71-5342	#72-5273	#73-5625	#74-5526	#75-5461	#76-5654	#77-5505	#78-5387	#79-5453	#80-5412
#81-5323	#82-5630	#83-5429	#84-5542	#85-5640	#86-5616	#87-5359	#88-5250	#89-5376	#90-5431
#91-5648	#92-5435	#93-5566	#94-5410	#95-5467	#96-5403	#97-5405	#98-5558	#99-5639	#100-5628

Type 6 #28 [Back to Summary]									
#01-5348	#02-5355	#03-5481	#04-5398	#05-5253	#06-5414	#07-5420	#08-5528	#09-5643	#10-5455
#11-5630	#12-5628	#13-5688	#14-5641	#15-5522	#16-5393	#17-5262	#18-5682	#19-5357	#20-5301
#21-5474	#22-5347	#23-5380	#24-5681	#25-5283	#26-5635	#27-5431	#28-5469	#29-5314	#30-5308
#31-5505	#32-5672	#33-5472	#34-5550	#35-5315	#36-5698	#37-5404	#38-5280	#39-5544	#40-5485
#41-5453	#42-5562	#43-5333	#44-5650	#45-5527	#46-5269	#47-5473	#48-5657	#49-5612	#50-5321
#51-5391	#52-5449	#53-5458	#54-5590	#55-5410	#56-5250	#57-5703	#58-5530	#59-5366	#60-5342
#61-5710	#62-5675	#63-5465	#64-5585	#65-5678	#66-5684	#67-5411	#68-5389	#69-5578	#70-5554
#71-5719	#72-5707	#73-5390	#74-5601	#75-5574	#76-5636	#77-5265	#78-5456	#79-5407	#80-5264
#81-5419	#82-5501	#83-5580	#84-5720	#85-5639	#86-5302	#87-5468	#88-5604	#89-5384	#90-5312
#91-5721	#92-5599	#93-5638	#94-5446	#95-5498	#96-5504	#97-5344	#98-5478	#99-5694	#100-5565

Type 6 #29 [Back to Summary]									
#01-5584	#02-5328	#03-5329	#04-5311	#05-5327	#06-5411	#07-5305	#08-5578	#09-5262	#10-5497
#11-5710	#12-5495	#13-5370	#14-5353	#15-5651	#16-5463	#17-5349	#18-5470	#19-5667	#20-5625
#21-5467	#22-5531	#23-5252	#24-5516	#25-5557	#26-5368	#27-5315	#28-5670	#29-5359	#30-5324
#31-5545	#32-5520	#33-5487	#34-5569	#35-5406	#36-5340	#37-5423	#38-5522	#39-5645	#40-5484
#41-5721	#42-5616	#43-5596	#44-5620	#45-5330	#46-5477	#47-5485	#48-5543	#49-5526	#50-5283
#51-5405	#52-5608	#53-5536	#54-5319	#55-5354	#56-5302	#57-5325	#58-5547	#59-5481	#60-5688
#61-5347	#62-5369	#63-5472	#64-5668	#65-5681	#66-5443	#67-5259	#68-5533	#69-5675	#70-5568
#71-5289	#72-5560	#73-5555	#74-5434	#75-5633	#76-5583	#77-5663	#78-5364	#79-5433	#80-5331
#81-5611	#82-5501	#83-5397	#84-5317	#85-5648	#86-5665	#87-5711	#88-5415	#89-5461	#90-5350
#91-5261	#92-5606	#93-5284	#94-5686	#95-5392	#96-5612	#97-5395	#98-5656	#99-5666	#100-5613

Type 6 #30 [Back to Summary]									
#01-5467	#02-5682	#03-5593	#04-5685	#05-5718	#06-5572	#07-5303	#08-5347	#09-5417	#10-5498
#11-5369	#12-5690	#13-5355	#14-5402	#15-5328	#16-5569	#17-5693	#18-5399	#19-5268	#20-5265
#21-5460	#22-5570	#23-5312	#24-5575	#25-5549	#26-5414	#27-5518	#28-5595	#29-5294	#30-5271
#31-5436	#32-5256	#33-5424	#34-5548	#35-5589	#36-5649	#37-5631	#38-5438	#39-5329	#40-5320
#41-5610	#42-5613	#43-5721	#44-5689	#45-5702	#46-5296	#47-5496	#48-5608	#49-5601	#50-5539
#51-5639	#52-5716	#53-5633	#54-5647	#55-5398	#56-5619	#57-5617	#58-5269	#59-5382	#60-5547
#61-5307	#62-5435	#63-5304	#64-5396	#65-5317	#66-5364	#67-5516	#68-5529	#69-5536	#70-5407
#71-5664	#72-5504	#73-5324	#74-5673	#75-5383	#76-5568	#77-5571	#78-5346	#79-5596	#80-5500
#81-5642	#82-5635	#83-5715	#84-5473	#85-5354	#86-5442	#87-5348	#88-5492	#89-5395	#90-5688
#91-5278	#92-5609	#93-5299	#94-5493	#95-5260	#96-5423	#97-5554	#98-5567	#99-5626	#100-5585





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