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-U14 Rev A

Company: Mikrotikls SIA

Model Name: RBMetalG-52SHPacn-US

REGULATORY COMPLIANCE TEST REPORT

Company Name: Mikrotikls SIA

Model Name: RBMetalG-52SHPacn-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-U14 Rev A

This report supersedes: NONE

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

Issue Date: 22nd October 2021

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
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Pleasanton California 94566
USA
Phone: +1 (925) 462-0304
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A2LA ACCREDITED
TESTING CERT #2381.01

MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

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1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING ACCREDITATION

MiCOM Labs, Inc. is an accredited Electrical testing laboratory per the international standard ISO/IEC 17025:2017. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.01. MiCOM Labs test schedule is available at the following URL; http://www.a2la.org/scopepdf/2381-01.pdf

Accredited Laboratory

A2LA has accredited

MICOM LABS

Pleasanton, CA

for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated April 2017*).

Presented this 24th day of February 2020.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2381.01
Valid to November 30, 2021

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

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 PhasePhase I - recognition for product testing
Phase II – recognition for both product testing and certification

1.3. PRODUCT CERTIFICATION

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

Accredited Product Certification Body

A2LA has accredited

MiCOM LABS

Pleasanton, CA

This product certification body is accredited in accordance with the recognized International Standard ISO/IEC 17065:2012 Requirements for bodies certifying products, processes and services. This product certification body also meets the A2LA R322 – Specific Requirements – Notified Body Accreditation Requirements and A2LA R308 - Specific Requirements - ISO-IEC 17065 - Telecommunication Certification Body Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a management system.

Presented this 24th day of February 2020

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2381.02
Valid to November 30, 2021

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

United States of America – Telecommunication Certification Body (TCB)
Industry Canada – Certification Body, CAB Identifier – US0159
Europe – Notified Body (NB), NB Identifier - 2280
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.
Draft 2	21st October 2021	AC-80 Tx Power and PSD test results for 5470 - 5725 MHz band revised.
Rev A	22nd October 2021	Initial release.
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In the above table the latest report revision will replace all earlier versions.

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

3. TEST RESULT CERTIFICATE

Manufacturer:	Mikrotikls SIA Brīvības gatve 214i Rīga LV 1039 Latvia	**Tested By:**	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Model:	RBMetalG-52SHPacn-US	**Telephone:** **Fax:**	+1 925 462 0304 +1 925 462 0306
Type Of Equipment:	802.11ac WLAN Access Point		
S/N's:	B7DA0E003D74 B7DA0E2D9931		
Test Date(s):	2nd – 21st September 2021	**Website:**	www.micomlabs.com

STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15 Subpart E 15.407 and 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.

A2LA ACCREDITED TESTING CERT #2381.01

Approved & Released for MiCOM Labs, Inc. by:

Graeme Grieve
Quality Manager MiCOM Labs, Inc.

Gordon Hurst
President & CEO MiCOM Labs, Inc.

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 RBMetalG-52SHPacn-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-U14 Rev A
Date EUT received:	August 10th 2021
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407
Dates of test (from - to):	02nd – 21st September 2021
No of Units Tested:	2
Product Family Name:	RBMetal 52 ac
Model(s):	RBMetalG-52SHPacn-US
Location for use:	Outdoors
Declared Frequency Range(s):	5250 - 5350 MHz; 5470 - 5725 MHz; 5725 - 5850 MHz;
Type of Modulation:	OFDM
EUT Modes of Operation:	a; ac-80; HT-20; HT-40;
Declared Nominal Output Power (dBm):	27
Transmit/Receive Operation:	Transceiver
Rated Input Voltage and Current:	24 VDC - 0.8A
Operating Temperature Range:	-40°C - 70°C
ITU Emission Designator:	802.11a: 18M0D1D 802.11n HT-20;- 18M9D1D 802.11n HT-40;- 38M0D1D 802.11ac-80;- 78M6D1D
Equipment Dimensions:	38 X 215 X 60 mm
Weight:	0.2 Kg
Software Rev:	6.48.3
Software Build:	May/25/2021 06:09:45

5.2. Scope Of Test Program

Mikrotikls SIA RBMetalG-52SHPacn-US

The scope of the test program was to test the Mikrotikls SIA RBMetalG-52SHPacn-US, 802.11 configurations in the frequency ranges 5250 - 5350 MHz; 5470 - 5725 MHz for compliance against the following specifications:

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 Roger's Labs Inc. test report 161104 r2 dated February 16, 2017.

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	RBMetalG-52SHPacn-US	B7DA0E003D74	10th August 2021
EUT	802.11ac WLAN access Point	MikroTikls SIA	RBMetalG-52SHPacn-US	B7DA0E2D9931	10th 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)
external	Tesswave communications	TOF-2458-6V	OMNI	8.0	-	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

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
5250 - 5350 MHz				
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
5470 - 5725 MHz				
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

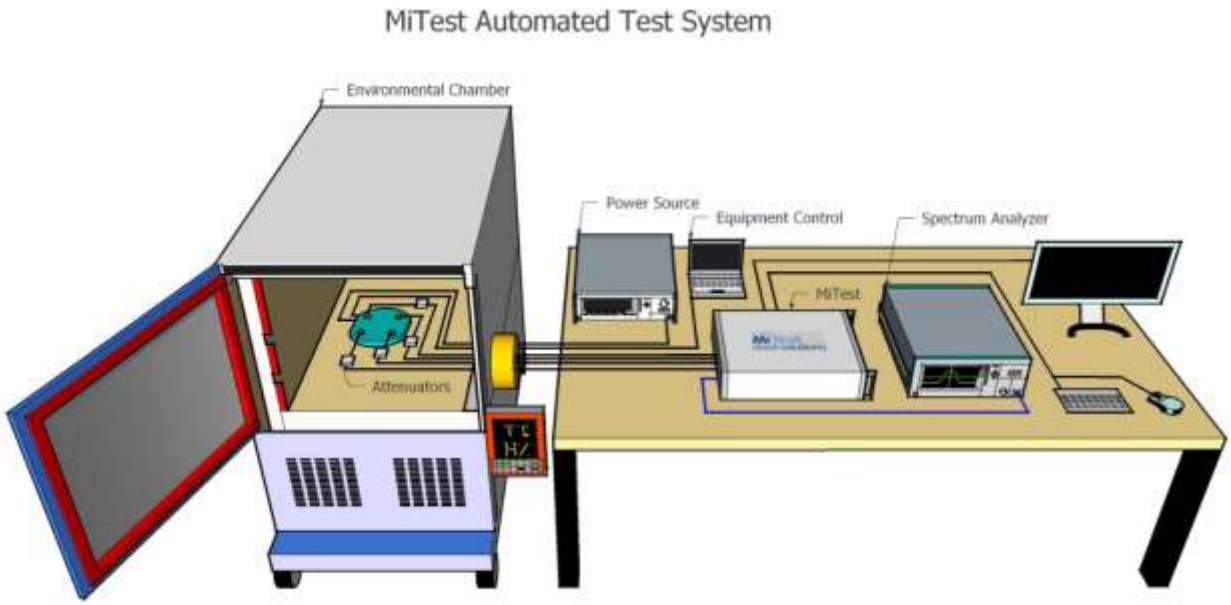
Test Header	Result	Data Link
Peak Transmit Power	Complies	View Data
26 dB & 99% Bandwidth	Complies	View Data
Power Spectral Density	Complies	View Data
Dynamic Frequency Selection (DFS)	Complies	-
Channel Availability Check	Complies	-
Initial CAC	Complies	View Data
Beginning CAC	Complies	View Data
End CAC	Complies	View Data
Channel Close / Transmission Time	Complies	View Data
Non-Occupancy Period	Complies	View Data
Probability of Detection	Complies	View Data
Detection Bandwidth	Complies	View Data
Radiated	Complies	-
TX Spurious & Restricted Band Emissions	Complies	-
Tesswave communications TOF-2458-6V	Complies	View Data
Restricted Edge & Band-Edge Emissions	Complies	-
Tesswave communications TOF-2458-6V	Complies	View Data

For Non-DFS bands compliance testing, Digital Emissions and AC Wireline see Roger's Labs Inc. test report 161104 r2 dated February 16, 2017.

7. TEST EQUIPMENT CONFIGURATION(S)

7.1. Conducted

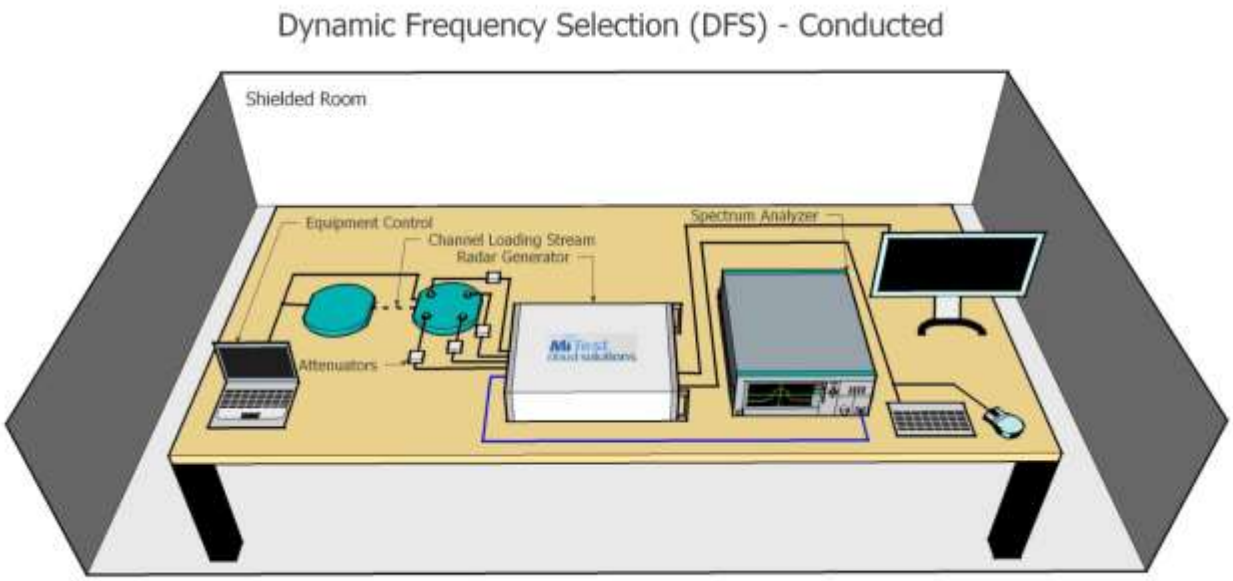
Conducted RF Emission Test Set-up(s).



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



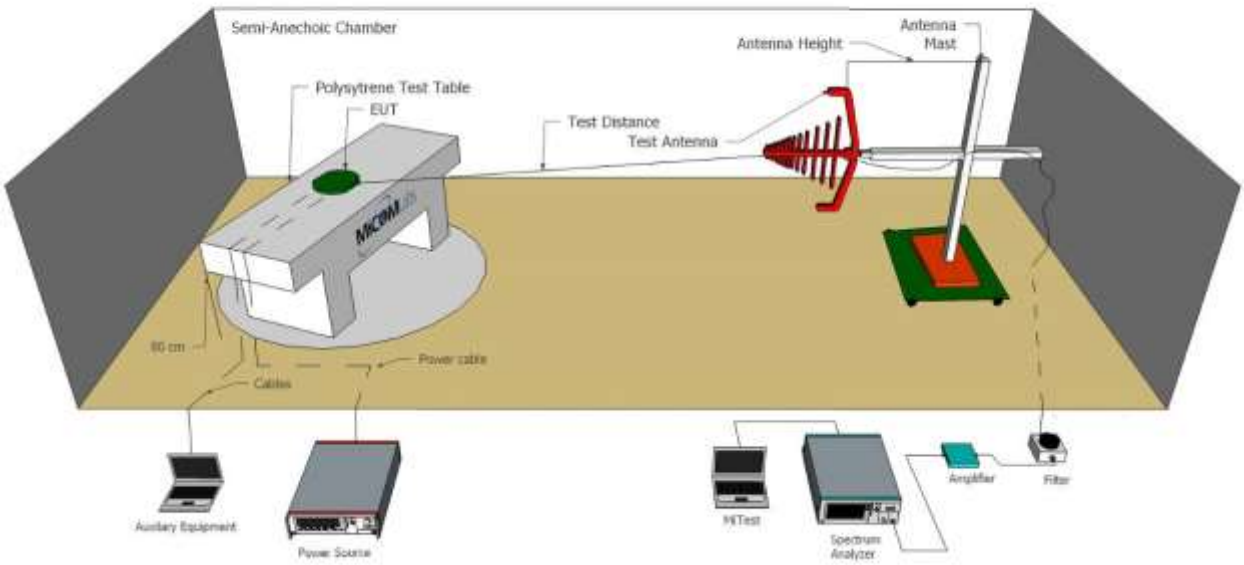
A full system calibration was performed on the test station and any resulting system losses (or gains) were taken into account in the production of all final measurement data.

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

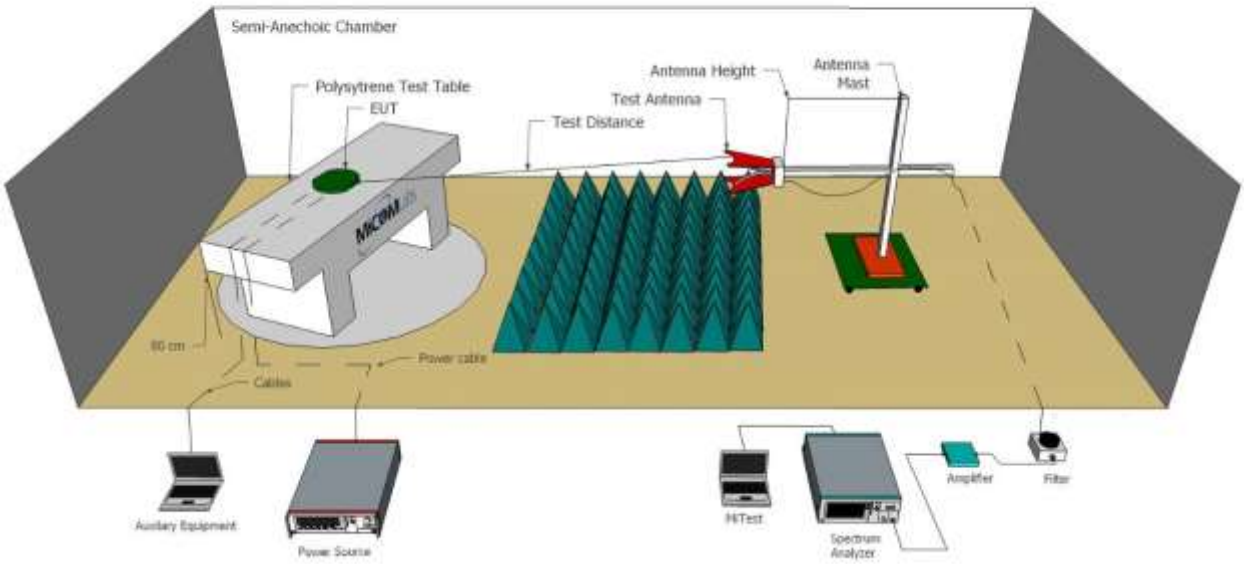
7.3. Radiated Emissions - 3m Chamber

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.

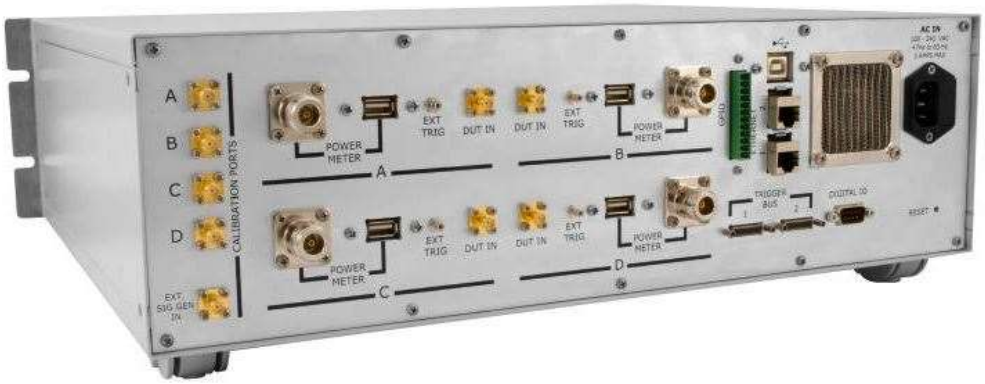
Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
170	Video System Controller for Semi Anechoic Chamber	Panasonic	WV-CU101	04R08507	Not Required
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	8 Oct 2022
338	Sunol 30 to 3000 MHz Antenna	Sunol	JB3	A052907	4 Nov 2021
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			
Standard:	FCC CFR 47:15.407 ISED RSS-247	**Ambient Temp. (ºC):**	24.0 - 27.5
Test Heading:	Maximum Conducted Output Power	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	15.407 (a) RSS-247 Sect 6.2	**Pressure (mBars):**	999 - 1001
Reference Document(s):	See Normative References		

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

Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document.
Supporting Information
Calculated Power = A + G + Y+ 10 log (1/x) dBm

A = Total Power [10*Log10 ($10^{a/10}$ + $10^{b/10}$ + $10^{c/10}$ + $10^{d/10}$)]
G = Antenna Gain
Y = Beamforming Gain
x = Duty Cycle (average power measurements only)

Limits Maximum Conducted Output Power

Operating Frequency Band 5150-5250 MHz

15. 407 (a)(1)
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 Peak Transmit Power

Variant:	802.11a	**Duty Cycle (%):**	94.3
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5260.0	19.26				19.26	26.934	22.00	-2.74	22.00
5300.0	18.99				18.99	26.774	22.00	-3.01	22.00
5320.0	19.01				19.01	27.335	22.00	-2.99	22.00

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.

Variant:	802.11ac-80	**Duty Cycle (%):**	79.6
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5290.0	5.59				5.59	109.980	22.00	-16.41	7.00

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

Variant:	802.11n HT-20	**Duty Cycle (%):**	93.7
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5260.0	18.51				18.51	27.816	22.00	-3.49	22.00
5300.0	18.60				18.60	27.094	22.00	-3.40	22.00
5320.0	18.36				18.36	28.297	22.00	-3.64	22.00

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

Variant:	802.11n HT-40	**Duty Cycle (%):**	88.2
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5270.0	16.78				16.78	52.104	22.00	-5.22	18.00
5310.0	16.81				16.81	51.944	22.00	-5.19	18.00

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

Variant:	802.11a	**Duty Cycle (%):**	94.3
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5500.0	18.17				18.17	26.934	22.00	-3.83	20.00
5580.0	18.72				18.72	26.373	22.00	-3.28	22.00
5720.0	19.04				19.04	27.415	22.00	-2.96	22.00

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

Variant:	802.11ac-80	**Duty Cycle (%):**	79.6
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5530.0	6.03				6.03	108.377	22.00	-15.97	7.00
5610.0	17.24				17.24	109.980	22.00	-4.76	18.00
5690.0	17.33				17.33	108.377	22.00	-4.67	18.00

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

Variant:	802.11n HT-20	**Duty Cycle (%):**	93.7
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5500.0	18.12				18.12	26.934	22.00	-3.88	22.00
5580.0	18.58				18.58	26.774	22.00	-3.42	22.00
5720.0	18.95				18.95	27.575	22.00	-3.05	22.00

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			
Variant:	802.11n HT-40	**Duty Cycle (%):**	88.2
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dB	
5510.0	16.51				16.51	50.822	22.00	-5.49	18.00
5550.0	16.58				16.58	51.142	22.00	-5.42	18.00
5710.0	17.31				17.31	51.142	22.00	-4.69	18.00

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			
Standard:	FCC CFR 47:15.407 ISED RSS-247	**Ambient Temp. (ºC):**	24.0 - 27.5
Test Heading:	26 dB and 99 % Bandwidth	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	15.407 (a) RSS-247 Sect 6.2	**Pressure (mBars):**	999 - 1001
Reference Document(s):	See Normative References		

Test Procedure for 26 dB and 99% Bandwidth Measurement
The bandwidth at 26 dB and 99 % is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency. The Resolution Bandwidth was set to approximately 1% of the emission bandwidth.
Testing was performed under ambient conditions at nominal voltage. Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured and reported.

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

Equipment Configuration for 26 dB & 99% Occupied Bandwidth			
Variant:	802.11a	**Duty Cycle (%):**	94.3
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5260.0	26.934				26.934	26.934		
5300.0	26.774				26.774	26.774		
5320.0	27.335				27.335	27.335		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5260.0	17.956				17.956	17.956		
5300.0	17.876				17.876	17.876		
5320.0	17.956				17.956	17.956		

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

Variant:	802.11ac-80	**Duty Cycle (%):**	79.6
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5290.0	109.980				109.980	109.980		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5290.0	78.557				78.557	78.557		

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			
Variant:	802.11n HT-20	**Duty Cycle (%):**	93.7
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5260.0	27.816				27.816	27.816		
5300.0	27.094				27.094	27.094		
5320.0	28.297				28.297	28.297		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5260.0	18.838				18.838	18.838		
5300.0	18.758				18.758	18.758		
5320.0	18.918				18.918	18.918		

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

Variant:	802.11n HT-40	**Duty Cycle (%):**	88.2
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5270.0	52.104				52.104	52.104		
5310.0	51.944				51.944	51.944		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5270.0	37.996				37.996	37.996		
5310.0	37.675				37.675	37.675		

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			
Variant:	802.11a	**Duty Cycle (%):**	94.3
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5500.0	26.934				26.934	26.934		
5580.0	26.373				26.373	26.373		
5720.0	27.415				27.415	27.415		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5500.0	17.796				17.796	17.796		
5580.0	17.796				17.796	17.796		
5720.0	17.796				17.796	17.796		

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			
Variant:	802.11ac-80	**Duty Cycle (%):**	79.6
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5530.0	108.377				108.377	108.377		
5610.0	109.980				109.980	109.980		
5690.0	108.377				108.377	108.377		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5530.0	77.916				77.916	77.916		
5610.0	77.916				77.916	77.916		
5690.0	78.236				78.236	78.236		

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			
Variant:	802.11n HT-20	**Duty Cycle (%):**	93.7
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	26.934				26.934	26.934		
5580.0	26.774				26.774	26.774		
5720.0	27.575				27.575	27.575		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	18.758				18.758	18.758		
5580.0	18.758				18.758	18.758		
5720.0	18.838				18.838	18.838		

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			
Variant:	802.11n HT-40	**Duty Cycle (%):**	88.2
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz) Port(s)				26 dB Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5510.0	50.822				50.822	50.822		
5550.0	51.142				51.142	51.142		
5710.0	51.142				51.142	51.142		

Test Frequency	Measured 99% Bandwidth (MHz) Port(s)				99% Bandwidth (MHz)			
MHz	a	b	c	d	Highest	Lowest		
5510.0	37.675				37.675	37.675		
5550.0	37.675				37.675	37.675		
5710.0	37.836				37.836	37.836		

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

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

9.3. Power Spectral Density

Conducted Test Conditions for Power Spectral Density			
Standard:	FCC CFR 47:15.407 ISED RSS-247	**Ambient Temp. (ºC):**	24.0 - 27.5
Test Heading:	Power Spectral Density	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	15.407 (a) RSS-247 Sect 6.2	**Pressure (mBars):**	999 - 1001
Reference Document(s):	See Normative References		

Test Procedure for Power Spectral Density
The in-band power spectral density was measured using the test technique specified in KDB 789033. A 1 MHz measurement bandwidth was implemented for the analyzer sweep. Once the sweep is complete the analyzer trace data is downloaded and used for post processing purposes.
Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured separately. The Peak Power Spectral Density is the highest level found across the emission bandwidth. With multiple antenna port measurements the numerical analyzer data from each port is summed (å) and a link to this additional graphic is provided.

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

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

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

Supporting Information
Calculated Power = A + 10 log (1/x) dBm
A = Total Power Spectral Density [10*Log10 ($10^{a/10} + 10^{b/10} + 10^{c/10} + 10^{d/10}$)]
x = Duty Cycle

Limits Power Spectral Density
Operating Frequency Band 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			
Variant:	802.11a	**Duty Cycle (%):**	94.3
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.27 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5260.0	7.883				8.138	9.0	-0.9
5300.0	7.511				7.766	9.0	-1.2
5320.0	8.077				8.332	9.0	-0.7

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

Variant:	802.11ac-80	**Duty Cycle (%):**	79.6
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.97 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5290.0	-12.473				-11.482	9.0	-20.5

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			
Variant:	802.11n HT-20	**Duty Cycle (%):**	93.7
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.27 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5260.0	6.120				6.403	9.0	-2.6
5300.0	6.396				6.679	9.0	-2.3
5320.0	5.852				6.135	9.0	-2.9

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

Variant:	802.11n HT-40	**Duty Cycle (%):**	88.2
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.56 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5270.0	1.524				2.069	9.0	-6.9
5310.0	1.449				1.994	9.0	-7.0

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			
Variant:	802.11a	**Duty Cycle (%):**	94.3
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.27 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5500.0	6.348				6.603	9.0	-2.4
5580.0	6.306				6.561	9.0	-2.4
5720.0	6.747				7.002	9.0	-2.0

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

Variant:	802.11ac-80	**Duty Cycle (%):**	79.6
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.97 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5530.0	-12.353				-11.362	9.0	-20.4
5610.0	-0.309				-0.682	9.0	-8.3
5690.0	-0.076				-1.067	9.0	-7.9

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

Variant:	802.11n HT-20	**Duty Cycle (%):**	93.7
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.27 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5500.0	5.993				6.276	9.0	-2.7
5580.0	5.799				6.054	9.0	-2.9
5720.0	6.311				6.566	9.0	-2.4

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

DCCF - Duty Cycle Correction Factor

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

Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-40	**Duty Cycle (%):**	88.2
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	Not Applicable
TPC:	Not Applicable	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Power Spectral Density Port(s) (dBm/MHz)				Summation Peak Marker + DCCF (+0.56 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5510.0	0.995				1.540	9.0	-7.5
5550.0	1.202				1.747	9.0	-7.3
5710.0	1.806				2.351	9.0	-6.6

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

DCCF - Duty Cycle Correction Factor

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

9.4. Dynamic Frequency Selection (DFS)

Test Conditions for Dynamic Frequency Selection (DFS)			
Standard:	FCC 15.407 ISED RSS-247	**Ambient Temp. (ºC):**	20.0 - 24.5
Test Heading:	Dynamic Frequency Selection (DFS)	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	KDB 905462 RSS-247 Sect 6.3	**Pressure (mBars):**	999 - 1001
EUT Type:	Master	**Frequency Bands:**	5,250 – 5,350 MHz 5,470 – 5,725 MHz
Test Environment:	Conducted	**Antenna Gain used for Testing:**	8.0 dBi
Detection Threshold:	-64 dBm	**Test Radar Level: (Threshold + Gain)**	-56 dBm
Number of Antenna Chains:	1	**Duty Cycle Target:**	≥ 17.00%
Transmit Power:	+23 dBm	**Minimum Data Rate:**	11a: 6 Mbit/s HT40: MCS0 AC80: NSS1-MCS0
Uniform Loading:	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.		
Communication Method:	The requisite MPEG video file (“TestFile.mpg” available on the NTIA website at the following link http://ntiacsd.ntia.doc.gov/dfs/) is used during this video stream. iPerf is used in cases where the video stream does not provide the necessary load.		
Engineer Notes:			

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 ≥ 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	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{\text{PRI}_{(\mu\text{sec})}}\right)\right\}$	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 / 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 / Burst_Count) – (Total Burst Length) + (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.

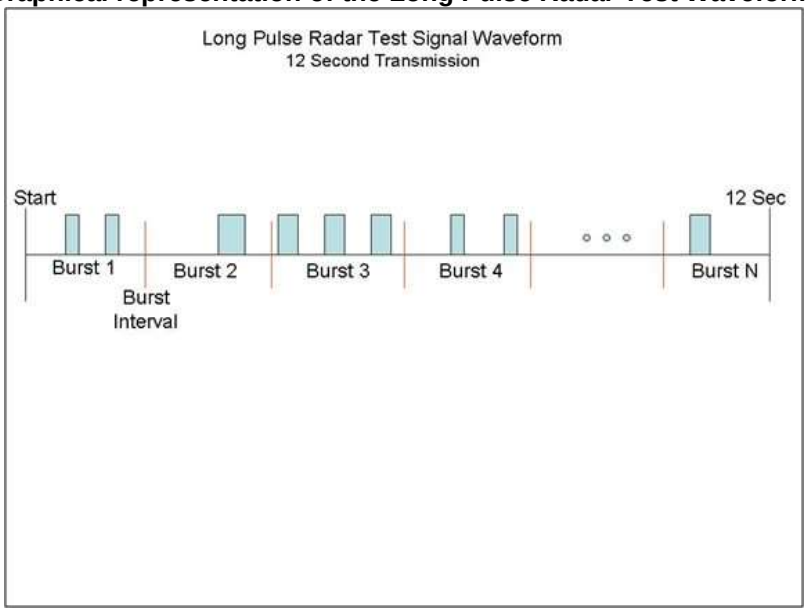
4. The pulse width (for both pulses) is randomly selected to be 75 microseconds.

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

10.4.6.1. 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.

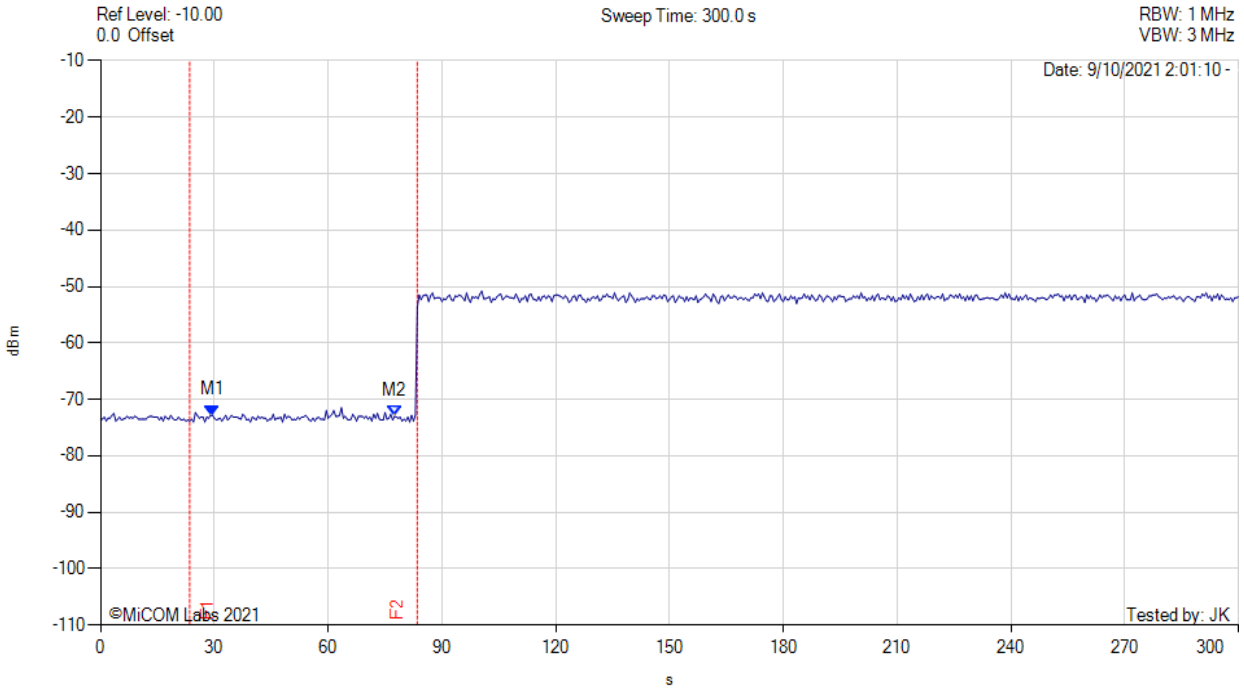
The EUT should not transmit any pulse or data transmissions until at least 1 minute after the completion of the power-on cycle.

The first red vertical line shown on the following plot denotes the instant when the EUT completes its power-up sequence i.e. T0 (as defined within the FCC's KDB 905462 D02 Section 4.1). The power-up reference T0 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 T0 and will end no sooner than T0 + 60 seconds. T0 + 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: 8.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 29.500 s : -72.830 dBm M2 : 77.500 s : -73.000 dBm	Channel Frequency: 5530.00 MHz Observed Frequency: 5500.00 MHz

10.4.6.2. 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.

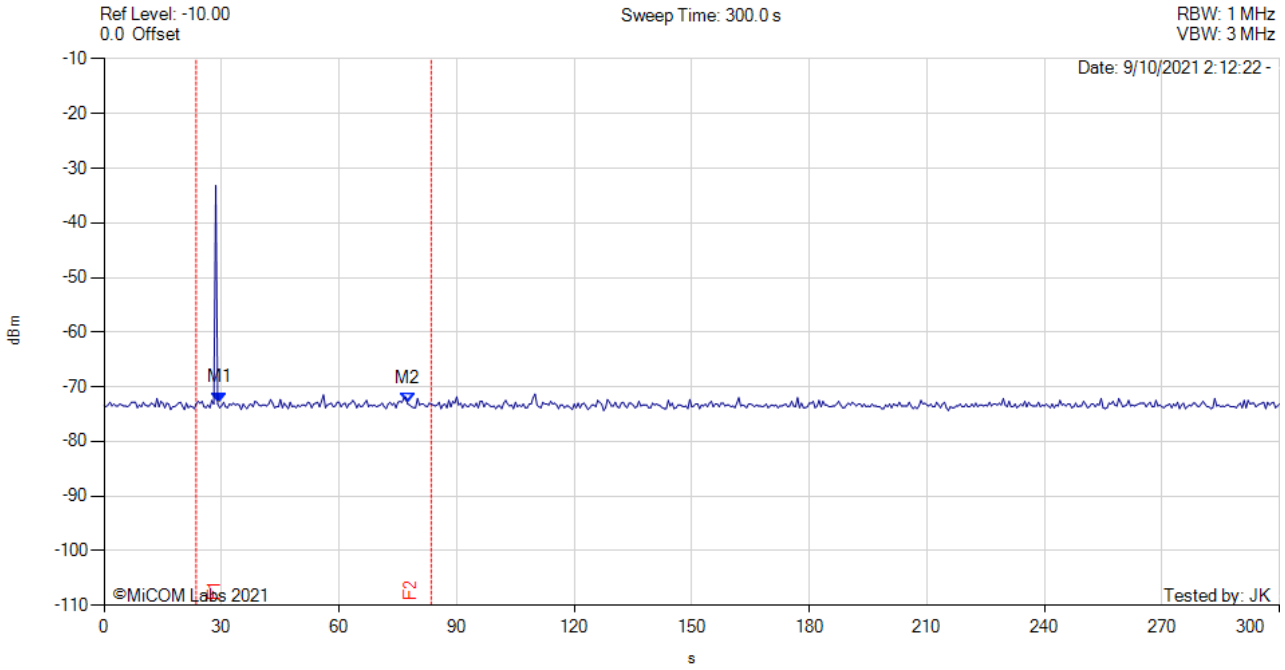
A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at T0 (first red vertical marker line on the plot).

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: 8.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 29.500 s : -72.830 dBm M2 : 77.500 s : -73.000 dBm	Channel Frequency: 5530.00 MHz Observed Frequency: 5500.00 MHz

10.4.6.3. End CAC

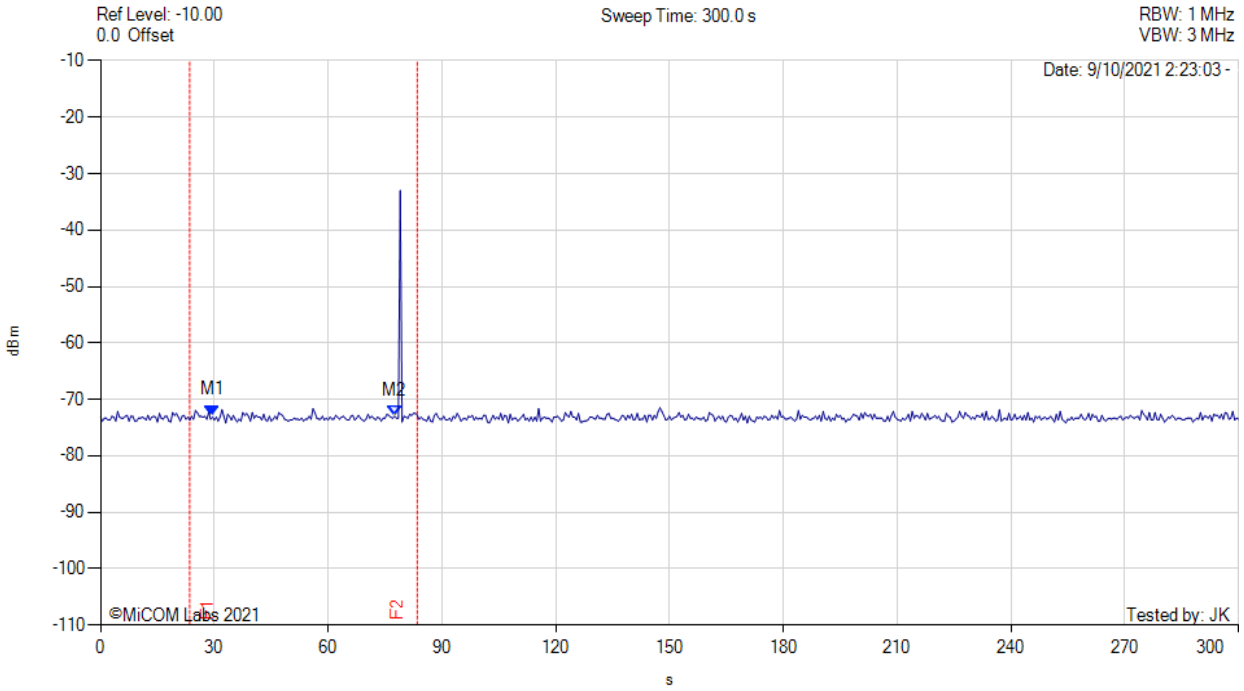
The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold occurs at the end of the Channel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

A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at T0 + 54 seconds. The window will commence at marker 3 and end at the red time line T2 (T0 + 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: 8.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 29.500 s : -72.830 dBm M2 : 77.500 s : -73.000 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).

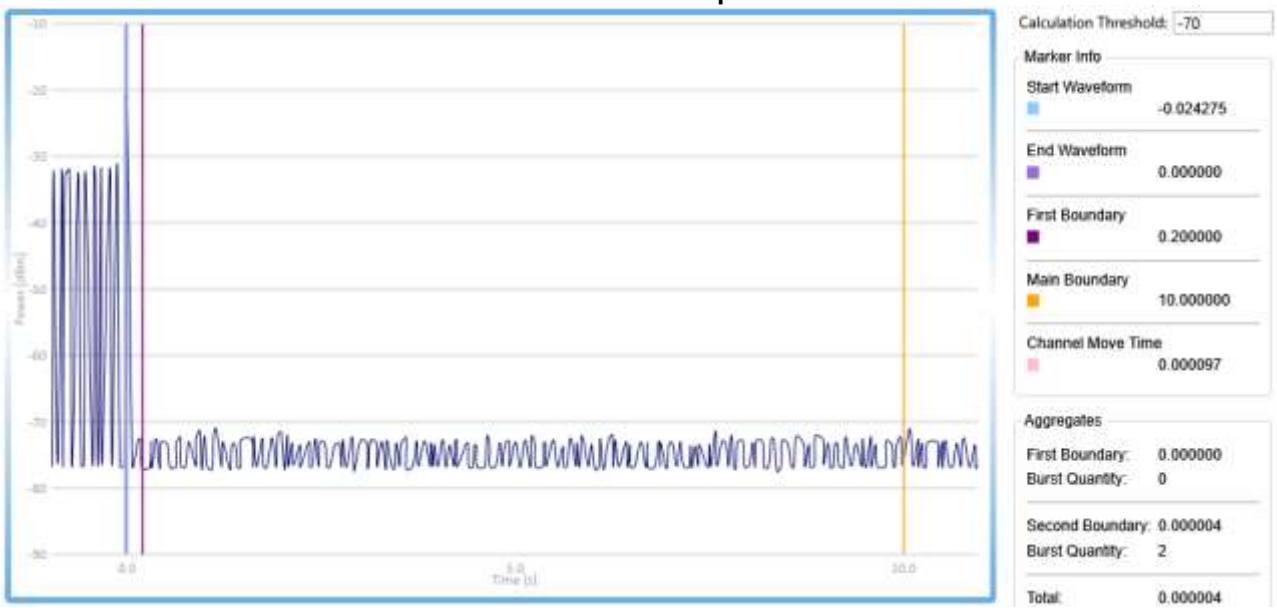
The system captured data over a 12 second period at 10 points per microsecond. The data is analyzed by counting all “bursts” that occur above the threshold limit and aggregating the time each burst is on. The data is then compressed for presentation in one 12 second segment showing all of the activity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

80 MHz Channel 5530 MHz; Monitored Frequency: 5500 MHz

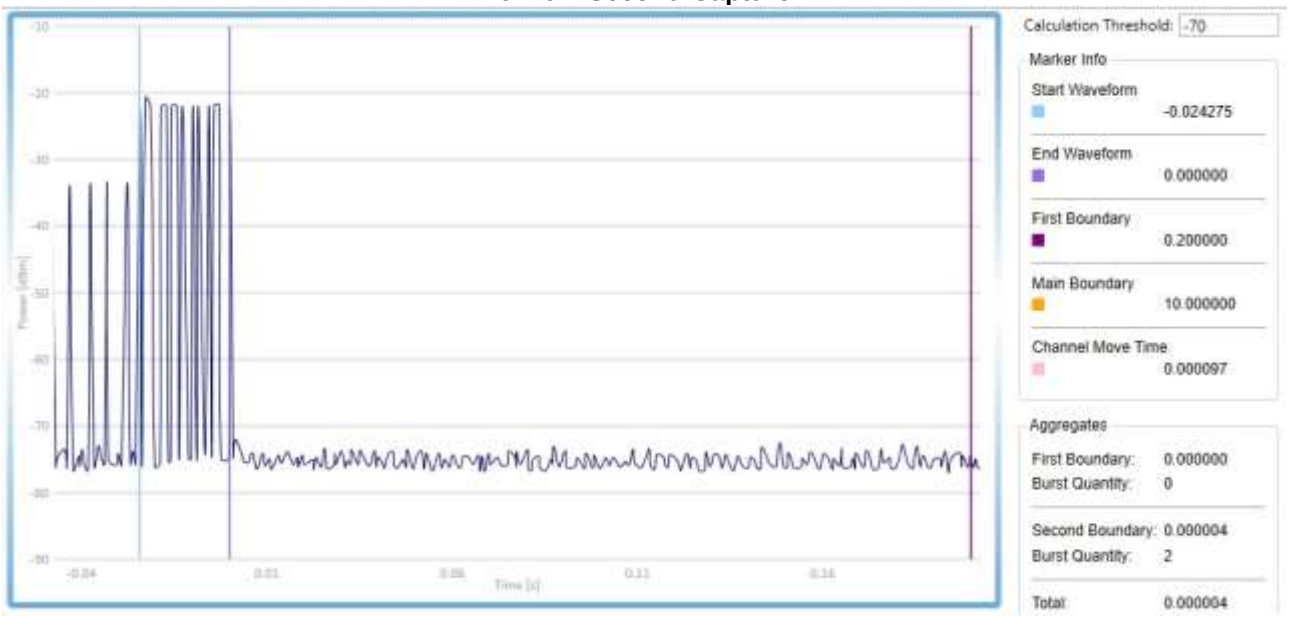
The system measures and aggregates the pulses occurring after the end of the radar pulse to determine the following parameters:

Test Heading	Time (Secs)	Limit (Secs)	Status
Channel Closing Transmission Time	0.000004	0.260	Complies
Channel Move Time	0.000097	10.0	Complies

Channel Move Time
0 - 12 Second Capture



Channel Closing Time
0 – 0.2 Second Capture

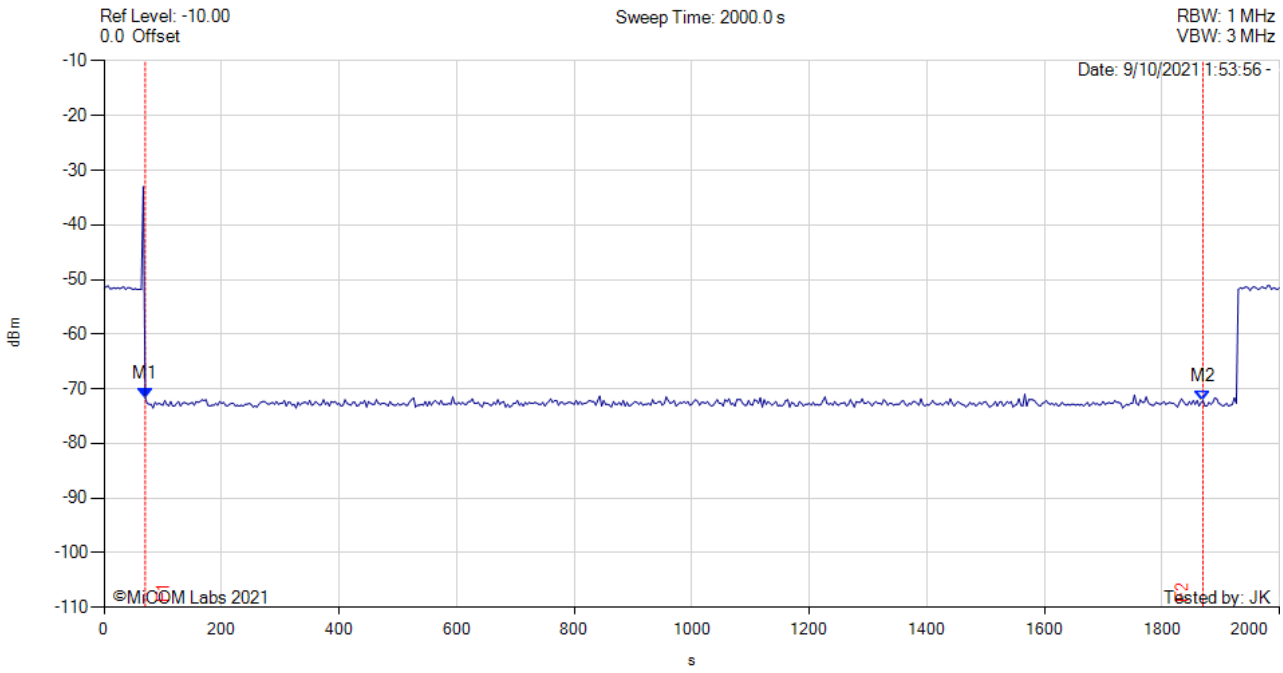


9.4.8. Non-Occupancy Period

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: 17.90%, Antenna Gain: 8.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 70.000 s : -71.660 dBm M2 : 1870.000 s : -72.160 dBm	Channel Frequency: 5530.00 MHz Observed Frequency: 5500.00 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:

Total # of detections ÷ Total # of Trials × 100 = 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%
Aggregate (82.9% + 60.0% + 90.0% +88.0%) / 4 = 80.2%			

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	29	96.67%	Complies	View Data
Radar Type 2	30	30	100.00%	Complies	View Data
Radar Type 3	30	26	86.67%	Complies	View Data
Radar Type 4	30	26	86.67%	Complies	View Data
Aggregate (96.67% + 100.00% + 86.67% + 86.67%) / 4 = 92.50%				Complies	--
Radar Type 5	30	30	100.00%	Complies	View Data
Radar Type 6	30	24	80.00%	Complies	View Data

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	25	83.33%	Complies	View Data
Radar Type 2	30	28	93.33%	Complies	View Data
Radar Type 3	30	28	93.33%	Complies	View Data
Radar Type 4	30	29	96.67%	Complies	View Data
Aggregate (83.33% + 93.33% + 93.33% + 96.67%) / 4 = 91.67%				Complies	--
Radar Type 5	31	31	100.00%	Complies	View Data
Radar Type 6	30	29	96.67%	Complies	View Data

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	29	96.67%	Complies	View Data
Radar Type 2	30	25	83.33%	Complies	View Data
Radar Type 3	30	22	73.33%	Complies	View Data
Radar Type 4	30	25	83.33%	Complies	View Data
Aggregate (96.67% + 83.33% + 73.33% + 83.33%) / 4 = 84.17%				Complies	--
Radar Type 5	31	31	100.00%	Complies	View Data
Radar Type 6	30	29	96.67%	Complies	View Data

Equipment Configuration for Radar Type 1

Variant:	802.11a	**Duty Cycle (%):**	20.00
Data Rate:	6 Mbit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5500.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5500	1	618	86	1	1	100.00	Detected
5497	1	678	78	1	1	100.00	Detected
5506	1	698	76	1	1	100.00	Detected
5503	1	718	74	1	1	100.00	Detected
5497	1	3066	18	1	1	100.00	Detected
5501	1	538	99	1	1	100.00	Detected
5509	1	738	72	1	1	100.00	Detected
5501	1	818	65	1	1	100.00	Detected
5499	1	858	62	1	1	100.00	Detected
5495	1	798	67	1	1	100.00	Detected
5500	1	878	61	1	0	0.00	Not Detected
5494	1	658	81	1	1	100.00	Detected
5502	1	938	57	1	1	100.00	Detected
5499	1	578	92	1	1	100.00	Detected
5508	1	898	59	1	1	100.00	Detected
5509	1	638	83	1	1	100.00	Detected
5499	1	2768	20	1	1	100.00	Detected
5492	1	2483	22	1	1	100.00	Detected
5506	1	1705	31	1	1	100.00	Detected
5502	1	2587	21	1	1	100.00	Detected
5496	1	2153	25	1	1	100.00	Detected
5509	1	2504	22	1	1	100.00	Detected
5503	1	661	80	1	1	100.00	Detected
5507	1	2155	25	1	1	100.00	Detected
5496	1	852	62	1	1	100.00	Detected
5494	1	1186	45	1	1	100.00	Detected
5509	1	1737	31	1	1	100.00	Detected
5500	1	2587	21	1	1	100.00	Detected
5491	1	2842	19	1	1	100.00	Detected
5505	1	2581	21	1	1	100.00	Detected
			Aggregate:	**30**	**29**	**96.67**	**Pass**

Equipment Configuration for Radar Type 2

Variant:	802.11a	**Duty Cycle (%):**	20.00
Data Rate:	6 Mbit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5500.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5508	3	184	26	1	1	100.00	Detected
5491	1.8	197	23	1	1	100.00	Detected
5495	4.2	213	23	1	1	100.00	Detected
5492	2.7	172	28	1	1	100.00	Detected
5504	2.7	209	26	1	1	100.00	Detected
5493	4.2	217	28	1	1	100.00	Detected
5503	3.8	181	29	1	1	100.00	Detected
5498	2.2	210	29	1	1	100.00	Detected
5504	4.1	224	28	1	1	100.00	Detected
5495	2.8	211	26	1	1	100.00	Detected
5500	4.1	181	26	1	1	100.00	Detected
5497	1.7	162	26	1	1	100.00	Detected
5494	3.6	156	27	1	1	100.00	Detected
5494	1.8	203	23	1	1	100.00	Detected
5503	3.6	220	25	1	1	100.00	Detected
5506	3.5	204	29	1	1	100.00	Detected
5491	4.6	172	25	1	1	100.00	Detected
5500	3	200	25	1	1	100.00	Detected
5503	2.1	154	25	1	1	100.00	Detected
5498	2.3	185	26	1	1	100.00	Detected
5501	4.5	211	28	1	1	100.00	Detected
5494	1.6	207	26	1	1	100.00	Detected
5493	4.2	160	26	1	1	100.00	Detected
5501	2.7	202	28	1	1	100.00	Detected
5492	2.7	187	26	1	1	100.00	Detected
5507	4.4	150	27	1	1	100.00	Detected
5491	4.2	225	29	1	1	100.00	Detected
5493	2.2	207	25	1	1	100.00	Detected
5494	2.6	212	29	1	1	100.00	Detected
5507	4.7	210	29	1	1	100.00	Detected
			Aggregate:	**30**	**30**	**100.00**	**Pass**

Equipment Configuration for Radar Type 3

Variant:	802.11a	**Duty Cycle (%):**	20.00
Data Rate:	6 Mbit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5500.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5494	9	259	18	1	1	100.00	Detected
5498	6.2	415	16	1	1	100.00	Detected
5502	6.8	287	18	1	1	100.00	Detected
5507	9.9	377	18	1	1	100.00	Detected
5507	6.2	427	17	1	0	0.00	Not Detected
5495	9.2	308	18	1	1	100.00	Detected
5492	9.2	309	16	1	1	100.00	Detected
5503	8.8	492	16	1	1	100.00	Detected
5503	8.2	282	16	1	1	100.00	Detected
5503	7.2	299	18	1	1	100.00	Detected
5492	8.8	289	18	1	1	100.00	Detected
5509	9	334	16	1	1	100.00	Detected
5506	6.2	229	18	1	0	0.00	Not Detected
5493	7.3	405	17	1	1	100.00	Detected
5498	7.5	385	17	1	1	100.00	Detected
5504	8.1	369	18	1	1	100.00	Detected
5495	6.5	283	16	1	1	100.00	Detected
5504	7.8	218	17	1	0	0.00	Not Detected
5504	9.2	303	17	1	1	100.00	Detected
5500	7.7	450	17	1	1	100.00	Detected
5497	6.6	316	17	1	1	100.00	Detected
5502	6.6	205	17	1	1	100.00	Detected
5507	9.6	419	16	1	1	100.00	Detected
5503	9	275	17	1	0	0.00	Not Detected
5493	7.5	413	18	1	1	100.00	Detected
5499	6.5	353	17	1	1	100.00	Detected
5491	8.2	229	17	1	1	100.00	Detected
5509	6.7	466	18	1	1	100.00	Detected
5501	7.1	265	17	1	1	100.00	Detected
5493	9.8	295	16	1	1	100.00	Detected
			Aggregate:	**30**	**26**	**86.67**	**Pass**

Equipment Configuration for Radar Type 4

Variant:	802.11a	**Duty Cycle (%):**	20.00
Data Rate:	6 Mbit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5500.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5492	19.4	331	16	1	1	100.00	Detected
5504	18	465	16	1	1	100.00	Detected
5501	18.2	312	12	1	0	0.00	Not Detected
5504	19.5	462	13	1	1	100.00	Detected
5503	11.4	381	12	1	0	0.00	Not Detected
5491	17	306	15	1	1	100.00	Detected
5491	17.7	426	14	1	1	100.00	Detected
5501	17.2	318	12	1	1	100.00	Detected
5492	16.6	437	14	1	1	100.00	Detected
5504	17.2	383	13	1	1	100.00	Detected
5503	12.2	438	12	1	1	100.00	Detected
5506	17.9	283	14	1	1	100.00	Detected
5498	19.9	478	12	1	0	0.00	Not Detected
5497	13.3	210	14	1	1	100.00	Detected
5501	17.5	447	16	1	1	100.00	Detected
5491	15.3	326	16	1	1	100.00	Detected
5498	12.8	216	12	1	1	100.00	Detected
5494	14	359	16	1	1	100.00	Detected
5499	14.5	320	16	1	1	100.00	Detected
5507	12.5	475	13	1	1	100.00	Detected
5499	12.5	200	14	1	1	100.00	Detected
5505	13.7	447	16	1	1	100.00	Detected
5502	14.2	489	16	1	1	100.00	Detected
5507	16.6	257	12	1	0	0.00	Not Detected
5504	19.3	435	14	1	1	100.00	Detected
5504	12.7	325	12	1	1	100.00	Detected
5499	19.8	397	16	1	1	100.00	Detected
5507	12.1	365	14	1	1	100.00	Detected
5506	16.3	355	16	1	1	100.00	Detected
5500	18.8	228	12	1	1	100.00	Detected
			Aggregate:	**30**	**26**	**86.67**	**Pass**

Equipment Configuration for Radar Type 5

Variant:	802.11a	**Duty Cycle (%):**	20.00
Data Rate:	6 Mbit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5500.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5505	1	1	100.00	Detected
Type 5 #2 5500	1	1	100.00	Detected
Type 5 #3 5500	1	1	100.00	Detected
Type 5 #4 5500	1	1	100.00	Detected
Type 5 #5 5506	1	1	100.00	Detected
Type 5 #6 5507	1	1	100.00	Detected
Type 5 #7 5500	1	1	100.00	Detected
Type 5 #8 5499	1	1	100.00	Detected
Type 5 #9 5500	1	1	100.00	Detected
Type 5 #10 5499	1	1	100.00	Detected
Type 5 #11 5500	1	1	100.00	Detected
Type 5 #12 5500	1	1	100.00	Detected
Type 5 #13 5500	1	1	100.00	Detected
Type 5 #14 5505	1	1	100.00	Detected
Type 5 #15 5501	1	1	100.00	Detected
Type 5 #16 5500	1	1	100.00	Detected
Type 5 #17 5503	1	1	100.00	Detected
Type 5 #18 5502	1	1	100.00	Detected
Type 5 #19 5504	1	1	100.00	Detected
Type 5 #20 5496	1	1	100.00	Detected
Type 5 #21 5503	1	1	100.00	Detected
Type 5 #22 5497	1	1	100.00	Detected
Type 5 #23 5502	1	1	100.00	Detected
Type 5 #24 5498	1	1	100.00	Detected
Type 5 #25 5498	1	1	100.00	Detected
Type 5 #26 5495	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 5497	1	1	100.00	Detected
Type 5 #30 5499	1	1	100.00	Detected
Aggregate:	**30**	**30**	**100.00**	**Pass**

Equipment Configuration for Radar Type 6

Variant:	802.11a	**Duty Cycle (%):**	20.00
Data Rate:	6 Mbit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5500.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Detections	Injection #	Detection Rate	Result
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	0	0	Not Detected
Type 6 #15	1	1	100	Detected
Type 6 #16	1	0	0	Not Detected
Type 6 #17	1	1	100	Detected
Type 6 #18	1	1	100	Detected
Type 6 #19	1	0	0	Not Detected
Type 6 #20	1	1	100	Detected
Type 6 #21	1	1	100	Detected
Type 6 #22	1	0	0	Not 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	0	0	Not Detected
Type 6 #27	1	1	100	Detected
Type 6 #28	1	1	100	Detected
Type 6 #29	1	0	0	Not Detected
Type 6 #30	1	1	100	Detected
Aggregate:	**30**	**24**	**80.00**	**Pass**

Equipment Configuration for Radar Type 1

Variant:	802.11ac-80	**Duty Cycle (%):**	17.90
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5530.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5546	1	718	74	1	1	100.00	Detected
5507	1	678	78	1	1	100.00	Detected
5556	1	938	57	1	1	100.00	Detected
5521	1	3066	18	1	1	100.00	Detected
5537	1	658	81	1	0	0.00	Not Detected
5546	1	638	83	1	0	0.00	Not Detected
5513	1	898	59	1	1	100.00	Detected
5562	1	598	89	1	1	100.00	Detected
5525	1	838	63	1	1	100.00	Detected
5547	1	558	95	1	0	0.00	Not Detected
5511	1	738	72	1	1	100.00	Detected
5531	1	698	76	1	1	100.00	Detected
5504	1	778	68	1	1	100.00	Detected
5515	1	858	62	1	1	100.00	Detected
5524	1	918	58	1	1	100.00	Detected
5499	1	618	86	1	1	100.00	Detected
5498	1	743	72	1	1	100.00	Detected
5507	1	2284	24	1	1	100.00	Detected
5540	1	2099	26	1	0	0.00	Not Detected
5567	1	628	85	1	1	100.00	Detected
5495	1	2807	19	1	1	100.00	Detected
5524	1	1817	30	1	1	100.00	Detected
5518	1	1141	47	1	1	100.00	Detected
5535	1	1825	29	1	0	0.00	Not Detected
5562	1	3028	18	1	1	100.00	Detected
5548	1	1734	31	1	1	100.00	Detected
5507	1	1452	37	1	1	100.00	Detected
5537	1	1322	40	1	1	100.00	Detected
5561	1	2807	19	1	1	100.00	Detected
5508	1	1557	34	1	1	100.00	Detected
			Aggregate:	**30**	**25**	**83.33**	**Pass**

Equipment Configuration for Radar Type 2

Variant:	802.11ac-80	**Duty Cycle (%):**	17.90
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5530.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5540	3.6	194	27	1	1	100.00	Detected
5510	2.2	168	24	1	1	100.00	Detected
5544	1.9	197	28	1	1	100.00	Detected
5552	3.7	154	25	1	1	100.00	Detected
5566	5	226	29	1	0	0.00	Not Detected
5558	4.2	215	26	1	1	100.00	Detected
5510	3.5	167	28	1	1	100.00	Detected
5530	4.5	213	28	1	1	100.00	Detected
5523	3.3	183	25	1	1	100.00	Detected
5518	4.2	171	23	1	1	100.00	Detected
5493	2.5	217	27	1	1	100.00	Detected
5522	4.7	205	26	1	1	100.00	Detected
5516	1.9	177	29	1	1	100.00	Detected
5565	2.2	193	28	1	1	100.00	Detected
5556	1.4	181	27	1	1	100.00	Detected
5497	3	205	28	1	1	100.00	Detected
5525	4.5	182	24	1	1	100.00	Detected
5511	3.7	151	24	1	1	100.00	Detected
5548	4.6	222	26	1	1	100.00	Detected
5565	1.5	153	25	1	1	100.00	Detected
5563	3.8	183	24	1	1	100.00	Detected
5533	4.5	212	23	1	1	100.00	Detected
5494	3.3	194	24	1	1	100.00	Detected
5523	3.6	230	26	1	1	100.00	Detected
5544	1.1	170	26	1	0	0.00	Not Detected
5531	2.9	171	27	1	1	100.00	Detected
5508	1.7	164	23	1	1	100.00	Detected
5522	1.2	221	28	1	1	100.00	Detected
5496	1.3	205	25	1	1	100.00	Detected
5499	2.6	171	26	1	1	100.00	Detected
			Aggregate:	**30**	**28**	**93.33**	**Pass**

Equipment Configuration for Radar Type 3

Variant:	802.11ac-80	**Duty Cycle (%):**	17.90
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5530.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5498	7.2	252	18	1	1	100.00	Detected
5501	9.1	432	16	1	1	100.00	Detected
5561	7.5	443	18	1	1	100.00	Detected
5558	8	444	17	1	1	100.00	Detected
5525	9	219	17	1	1	100.00	Detected
5546	8.9	415	18	1	1	100.00	Detected
5545	9.3	250	17	1	1	100.00	Detected
5566	8.5	325	16	1	1	100.00	Detected
5551	8.8	334	16	1	1	100.00	Detected
5515	8.3	359	17	1	1	100.00	Detected
5522	6.4	249	16	1	1	100.00	Detected
5510	9.9	457	17	1	1	100.00	Detected
5511	6.9	481	17	1	1	100.00	Detected
5518	9.6	458	17	1	1	100.00	Detected
5536	6.7	496	16	1	1	100.00	Detected
5539	7.7	235	16	1	1	100.00	Detected
5566	8.1	243	16	1	1	100.00	Detected
5496	8.4	248	18	1	1	100.00	Detected
5509	8.5	493	17	1	1	100.00	Detected
5534	8.8	428	18	1	1	100.00	Detected
5566	8.5	226	18	1	0	0.00	Not Detected
5544	6.3	478	18	1	1	100.00	Detected
5556	6.3	393	16	1	1	100.00	Detected
5537	7	446	18	1	1	100.00	Detected
5567	9.5	213	18	1	1	100.00	Detected
5555	8.7	346	17	1	1	100.00	Detected
5496	6.3	232	18	1	1	100.00	Detected
5562	7	447	18	1	0	0.00	Not Detected
5524	7	296	18	1	1	100.00	Detected
5518	7.5	378	18	1	1	100.00	Detected
			Aggregate:	**30**	**28**	**93.33**	**Pass**

Equipment Configuration for Radar Type 4

Variant:	802.11ac-80	**Duty Cycle (%):**	17.90
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5530.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5539	13.3	299	16	1	1	100.00	Detected
5565	11.4	278	16	1	1	100.00	Detected
5554	11.1	388	15	1	1	100.00	Detected
5542	11.6	474	13	1	1	100.00	Detected
5501	14.8	402	15	1	0	0.00	Not Detected
5566	12.9	494	14	1	1	100.00	Detected
5511	17.9	409	13	1	1	100.00	Detected
5562	18.4	387	14	1	1	100.00	Detected
5514	12.4	226	14	1	1	100.00	Detected
5519	15.5	413	12	1	1	100.00	Detected
5554	12.1	471	16	1	1	100.00	Detected
5540	12.4	265	13	1	1	100.00	Detected
5518	11.3	461	16	1	1	100.00	Detected
5546	19.9	475	13	1	1	100.00	Detected
5513	17.7	421	12	1	1	100.00	Detected
5518	19.3	220	16	1	1	100.00	Detected
5521	11.3	312	14	1	1	100.00	Detected
5567	14.1	479	15	1	1	100.00	Detected
5547	16.9	437	16	1	1	100.00	Detected
5515	11.7	489	12	1	1	100.00	Detected
5534	14	500	16	1	1	100.00	Detected
5565	17.4	468	13	1	1	100.00	Detected
5510	17.2	286	15	1	1	100.00	Detected
5550	15.8	403	16	1	1	100.00	Detected
5496	19.2	355	14	1	1	100.00	Detected
5552	17.5	316	16	1	1	100.00	Detected
5499	13.2	259	12	1	1	100.00	Detected
5507	11.6	227	13	1	1	100.00	Detected
5552	16.7	389	12	1	1	100.00	Detected
5563	12.6	212	15	1	1	100.00	Detected
			Aggregate:	**30**	**29**	**96.67**	**Pass**

Equipment Configuration for Radar Type 5

Variant:	802.11ac-80	**Duty Cycle (%):**	17.90
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5530.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5495	1	1	100.00	Detected
Type 5 #2 5530	1	1	100.00	Detected
Type 5 #3 5565	1	1	100.00	Detected
Type 5 #4 5500	1	1	100.00	Detected
Type 5 #5 5561	1	1	100.00	Detected
Type 5 #6 5560	1	1	100.00	Detected
Type 5 #7 5565	1	1	100.00	Detected
Type 5 #8 5530	1	1	100.00	Detected
Type 5 #9 5498	1	1	100.00	Detected
Type 5 #10 5498	1	1	100.00	Detected
Type 5 #11 5565	1	1	100.00	Detected
Type 5 #12 5498	1	1	100.00	Detected
Type 5 #13 5496	1	1	100.00	Detected
Type 5 #14 5497	1	1	100.00	Detected
Type 5 #15 5530	1	1	100.00	Detected
Type 5 #16 5530	1	1	100.00	Detected
Type 5 #17 5565	1	1	100.00	Detected
Type 5 #18 5530	1	1	100.00	Detected
Type 5 #19 5498	1	1	100.00	Detected
Type 5 #20 5530	1	1	100.00	Detected
Type 5 #21 5566	1	1	100.00	Detected
Type 5 #22 5566	1	1	100.00	Detected
Type 5 #23 5562	1	1	100.00	Detected
Type 5 #24 5562	1	1	100.00	Detected
Type 5 #25 5496	1	1	100.00	Detected
Type 5 #26 5530	1	1	100.00	Detected
Type 5 #27 5500	1	1	100.00	Detected
Type 5 #28 5530	1	1	100.00	Detected
Type 5 #29 5530	1	1	100.00	Detected
Type 5 #30 5530	1	1	100.00	Detected
Aggregate:	**31**	**31**	**100.00**	**Pass**

Equipment Configuration for Radar Type 6

Variant:	802.11ac-80	**Duty Cycle (%):**	17.90
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5530.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Detections	Injection #	Detection Rate	Result
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	0	0	Not 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
Aggregate:	**30**	**29**	**96.67**	**Pass**

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Equipment Configuration for Radar Type 1

Variant:	802.11n HT-40	**Duty Cycle (%):**	18.00
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5510.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5503	1	558	95	1	1	100.00	Detected
5498	1	738	72	1	1	100.00	Detected
5509	1	3066	18	1	1	100.00	Detected
5509	1	838	63	1	1	100.00	Detected
5492	1	898	59	1	1	100.00	Detected
5513	1	718	74	1	1	100.00	Detected
5516	1	758	70	1	1	100.00	Detected
5498	1	578	92	1	1	100.00	Detected
5499	1	818	65	1	1	100.00	Detected
5519	1	698	76	1	1	100.00	Detected
5494	1	938	57	1	1	100.00	Detected
5514	1	798	67	1	1	100.00	Detected
5527	1	598	89	1	1	100.00	Detected
5507	1	658	81	1	1	100.00	Detected
5514	1	778	68	1	0	0.00	Not Detected
5513	1	638	83	1	1	100.00	Detected
5493	1	522	102	1	1	100.00	Detected
5525	1	2238	24	1	1	100.00	Detected
5502	1	2988	18	1	1	100.00	Detected
5526	1	2787	19	1	1	100.00	Detected
5523	1	2873	19	1	1	100.00	Detected
5501	1	2288	24	1	1	100.00	Detected
5517	1	765	69	1	1	100.00	Detected
5506	1	2599	21	1	1	100.00	Detected
5514	1	935	57	1	1	100.00	Detected
5514	1	2826	19	1	1	100.00	Detected
5503	1	1015	52	1	1	100.00	Detected
5505	1	1651	32	1	1	100.00	Detected
5510	1	1726	31	1	1	100.00	Detected
5505	1	1921	28	1	1	100.00	Detected
			Aggregate:	**30**	**29**	**96.67**	**Pass**

Equipment Configuration for Radar Type 2

Variant:	802.11n HT-40	**Duty Cycle (%):**	18.00
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5510.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5494	1.3	191	24	1	1	100.00	Detected
5497	2.7	204	27	1	1	100.00	Detected
5511	4.3	169	27	1	1	100.00	Detected
5523	3.4	162	27	1	1	100.00	Detected
5525	5	220	28	1	1	100.00	Detected
5505	3.3	230	25	1	1	100.00	Detected
5528	3.1	210	28	1	1	100.00	Detected
5511	1.9	212	26	1	1	100.00	Detected
5512	2.4	214	28	1	0	0.00	Not Detected
5519	2.7	194	27	1	1	100.00	Detected
5518	2.8	174	28	1	1	100.00	Detected
5526	4.6	155	27	1	1	100.00	Detected
5493	3.7	192	26	1	1	100.00	Detected
5514	3.6	165	26	1	0	0.00	Not Detected
5494	1.7	172	27	1	0	0.00	Not Detected
5516	4.5	155	24	1	1	100.00	Detected
5493	4	162	26	1	0	0.00	Not Detected
5521	2.2	225	26	1	1	100.00	Detected
5508	1.8	150	29	1	1	100.00	Detected
5502	1.8	183	23	1	1	100.00	Detected
5508	1.2	211	28	1	1	100.00	Detected
5517	2	221	29	1	1	100.00	Detected
5497	2.2	212	27	1	0	0.00	Not Detected
5497	4.7	150	28	1	1	100.00	Detected
5506	1.1	210	24	1	1	100.00	Detected
5519	3.2	222	28	1	1	100.00	Detected
5519	1.2	155	25	1	1	100.00	Detected
5516	2.1	166	29	1	1	100.00	Detected
5520	1.8	163	27	1	1	100.00	Detected
5495	1.8	197	28	1	1	100.00	Detected
			Aggregate:	**30**	**25**	**83.33**	**Pass**

Equipment Configuration for Radar Type 3

Variant:	802.11n HT-40	**Duty Cycle (%):**	18.00
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5510.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5523	7	305	17	1	1	100.00	Detected
5511	7.4	299	17	1	1	100.00	Detected
5498	6.6	355	16	1	0	0.00	Not Detected
5508	6.9	301	18	1	1	100.00	Detected
5497	6.1	231	17	1	1	100.00	Detected
5498	7.9	274	18	1	1	100.00	Detected
5495	9.6	442	18	1	0	0.00	Not Detected
5520	7.5	426	16	1	1	100.00	Detected
5508	9.8	300	17	1	1	100.00	Detected
5499	7.6	259	17	1	0	0.00	Not Detected
5518	8.2	270	17	1	1	100.00	Detected
5520	9.8	329	17	1	1	100.00	Detected
5523	7.1	345	16	1	0	0.00	Not Detected
5495	9.7	380	17	1	1	100.00	Detected
5528	7.9	321	17	1	1	100.00	Detected
5512	7.5	427	18	1	1	100.00	Detected
5506	7.3	447	17	1	1	100.00	Detected
5524	9.3	405	18	1	1	100.00	Detected
5522	8.8	483	17	1	1	100.00	Detected
5500	9	229	16	1	1	100.00	Detected
5508	7	231	17	1	1	100.00	Detected
5524	8.7	222	17	1	1	100.00	Detected
5505	9.8	351	18	1	0	0.00	Not Detected
5528	8.2	453	17	1	0	0.00	Not Detected
5521	7.7	231	17	1	1	100.00	Detected
5496	9.8	396	16	1	1	100.00	Detected
5513	8.9	272	17	1	0	0.00	Not Detected
5528	9.9	248	16	1	0	0.00	Not Detected
5506	7	257	16	1	1	100.00	Detected
5501	7.1	477	18	1	1	100.00	Detected
			Aggregate:	**30**	**22**	**73.33**	**Pass**

Equipment Configuration for Radar Type 4

Variant:	802.11n HT-40	**Duty Cycle (%):**	18.00
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5510.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5501	13.8	238	16	1	0	0.00	Not Detected
5504	19.6	430	13	1	1	100.00	Detected
5524	16.4	449	16	1	1	100.00	Detected
5515	17	209	14	1	0	0.00	Not Detected
5514	11.7	468	12	1	1	100.00	Detected
5508	17.1	359	13	1	0	0.00	Not Detected
5520	13.2	304	15	1	1	100.00	Detected
5505	15.9	222	14	1	1	100.00	Detected
5510	14.5	251	16	1	1	100.00	Detected
5522	17.3	408	15	1	1	100.00	Detected
5527	19.7	359	13	1	1	100.00	Detected
5497	14.2	386	15	1	1	100.00	Detected
5500	17.1	406	12	1	1	100.00	Detected
5506	17.9	282	14	1	1	100.00	Detected
5520	17.6	250	12	1	1	100.00	Detected
5514	11.3	476	13	1	1	100.00	Detected
5511	13.7	291	13	1	1	100.00	Detected
5510	13	412	16	1	0	0.00	Not Detected
5506	13.2	258	14	1	1	100.00	Detected
5497	12.4	274	14	1	1	100.00	Detected
5515	16.7	354	15	1	0	0.00	Not Detected
5523	19	243	15	1	1	100.00	Detected
5496	16.3	209	12	1	1	100.00	Detected
5511	16.5	211	16	1	1	100.00	Detected
5493	12.9	457	16	1	1	100.00	Detected
5493	14.4	266	12	1	1	100.00	Detected
5527	18.1	440	12	1	1	100.00	Detected
5512	18.2	330	15	1	1	100.00	Detected
5510	17.7	336	16	1	1	100.00	Detected
5511	13.1	336	15	1	1	100.00	Detected
			Aggregate:	**30**	**25**	**83.33**	**Pass**

Equipment Configuration for Radar Type 5

Variant:	802.11n HT-40	**Duty Cycle (%):**	18.00
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5510.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5510	1	1	100.00	Detected
Type 5 #2 5510	1	1	100.00	Detected
Type 5 #3 5524	1	1	100.00	Detected
Type 5 #4 5524	1	1	100.00	Detected
Type 5 #5 5510	1	1	100.00	Detected
Type 5 #6 5522	1	1	100.00	Detected
Type 5 #7 5498	1	1	100.00	Detected
Type 5 #8 5498	1	1	100.00	Detected
Type 5 #9 5496	1	1	100.00	Detected
Type 5 #10 5510	1	1	100.00	Detected
Type 5 #11 5500	1	1	100.00	Detected
Type 5 #12 5494	1	1	100.00	Detected
Type 5 #13 5510	1	1	100.00	Detected
Type 5 #14 5499	1	1	100.00	Detected
Type 5 #15 5500	1	1	100.00	Detected
Type 5 #16 5524	1	1	100.00	Detected
Type 5 #17 5495	1	1	100.00	Detected
Type 5 #18 5526	1	1	100.00	Detected
Type 5 #19 5510	1	1	100.00	Detected
Type 5 #20 5510	1	1	100.00	Detected
Type 5 #21 5499	1	1	100.00	Detected
Type 5 #22 5510	1	1	100.00	Detected
Type 5 #23 5520	1	1	100.00	Detected
Type 5 #24 5494	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 5526	1	1	100.00	Detected
Type 5 #28 5520	1	1	100.00	Detected
Type 5 #29 5524	1	1	100.00	Detected
Type 5 #30 5526	1	1	100.00	Detected
Aggregate:	**31**	**31**	**100.00**	**Pass**

Equipment Configuration for Radar Type 6

Variant:	802.11n HT-40	**Duty Cycle (%):**	18.00
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5510.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Detections	Injection #	Detection Rate	Result
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	0	0	Not 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
Aggregate:	**30**	**29**	**96.67**	**Pass**

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

Variant:	802.11a	**Duty Cycle (%):**	0.10
Data Rate:	6 Mbit/s	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5500.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

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
F_L = 5490 MHz	**F_H = 5510 MHz**	**$F_H - F_L$ = 20 MHz**	**Pass**

Equipment Configuration for Detection Bandwidth

Variant:	802.11ac-80	**Duty Cycle (%):**	0.10
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5530.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

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
F_L = 5490 MHz	**F_H = 5570 MHz**	**$F_H - F_L$ = 80 MHz**	**Pass**

Equipment Configuration for Detection Bandwidth

Variant:	802.11n HT-40	**Duty Cycle (%):**	0.10
Data Rate:	MCS0	**Antenna Gain (dBi):**	8.00
Modulation:	OFDM	**Beam Forming Gain (Y):**	Not Applicable
Channel Frequency:	5510.00 MHz	**Tested By:**	JK
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Result
5535 MHz	2	0	Not Detected
5531 MHz	2	0	Not 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
F_L = 5490 MHz	**F_H = 5530 MHz**	**$F_H - F_L$ = 40 MHz**	**Pass**

9.5. Radiated

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

$$E = \frac{1000000 \times \sqrt{30P}}{3} \text{ µV/m}$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz equates to 68.23 dBuV/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

Equipment Configuration for TX Spurious & Restricted Band Emissions

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11a
Antenna Gain (dBi):	8.00	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99
Channel Frequency (MHz):	5260.00	**Data Rate:**	6.00 MBit/s
Power Setting:	22	**Tested By:**	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	5262.76	75.76	2.90	-12.24	66.42	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

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11a
Antenna Gain (dBi):	8.00	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99
Channel Frequency (MHz):	5300.00	**Data Rate:**	6.00 MBit/s
Power Setting:	22	**Tested By:**	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	5266.18	75.82	2.90	-12.22	66.50	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

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11a
Antenna Gain (dBi):	8.00	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99
Channel Frequency (MHz):	5320.00	**Data Rate:**	6.00 MBit/s
Power Setting:	22	**Tested By:**	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	5321.86	71.06	2.97	-11.99	62.04	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

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11a
Antenna Gain (dBi):	8.00	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99
Channel Frequency (MHz):	5500.00	**Data Rate:**	6.00 MBit/s
Power Setting:	22	**Tested By:**	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	5502.12	67.13	3.05	-11.64	58.54	Fundamental	Vertical	150	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

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11a
Antenna Gain (dBi):	8.00	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99
Channel Frequency (MHz):	5580.00	**Data Rate:**	6.00 MBit/s
Power Setting:	22	**Tested By:**	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	5579.18	71.34	3.18	-11.56	62.96	Fundamental	Vertical	150	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

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11a
Antenna Gain (dBi):	8.00	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99
Channel Frequency (MHz):	5720.00	**Data Rate:**	6.00 MBit/s
Power Setting:	22	**Tested By:**	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	5715.79	60.49	3.17	-11.28	52.38	Fundamental	Vertical	152	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

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5470 - 5725 MHz

Tesswave communications TOF-2458-6V		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	64.17	50.35	22
802.11ac-80	5530.00	5460.00	68.01	50.71	7
802.11n HT-20	5500.00	5460.00	67.84	50.80	22
802.11n HT-40	5510.00	5460.00	68.03	51.02	18

Tesswave communications TOF-2458-6V		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	22
802.11ac-80	5530.00	5470.00	68.01	7
802.11n HT-20	5500.00	5470.00	67.84	22
802.11n HT-40	5510.00	5470.00	0.00	18

5250 - 5350 MHz

Tesswave communications TOF-2458-6V		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	64.54	52.09	22
802.11ac-80	5290.00	5350.00	67.18	53.84	7
802.11n HT-20	5320.00	5350.00	64.42	52.29	22
802.11n HT-40	5310.00	5350.00	64.14	51.90	15

Click on the links to view the data.

Equipment Configuration for Restricted Lower Band-Edge Emissions

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11a
Antenna Gain (dBi):	Not Applicable	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99
Channel Frequency (MHz):	5500.00	**Data Rate:**	6.00 MBit/s
Power Setting:	22	**Tested By:**	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	12.76	3.06	34.53	50.35	Max Avg	Vertical	171	352	54.0	-3.7	Pass
#3	5469.40	26.56	3.06	34.55	64.17	Max Peak	Vertical	171	352	68.2	-4.1	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

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11ac-80
Antenna Gain (dBi):	Not Applicable	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	72
Channel Frequency (MHz):	5530.00	**Data Rate:**	29.30 MBit/s
Power Setting:	7	**Tested By:**	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	13.12	3.06	34.53	50.71	Max Avg	Vertical	171	352	54.0	-3.3	Pass
#3	5470.00	30.40	3.06	34.55	68.01	Max Peak	Vertical	171	352	68.2	-0.2	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. Power setting reduced to meet band edge measurement.												

Equipment Configuration for Restricted Lower Band-Edge Emissions

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11n HT-20
Antenna Gain (dBi):	Not Applicable	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	93
Channel Frequency (MHz):	5500.00	**Data Rate:**	6.50 MBit/s
Power Setting:	22	**Tested By:**	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	13.21	3.06	34.53	50.80	Max Avg	Vertical	171	352	54.0	-3.2	Pass
#3	5470.00	30.23	3.06	34.55	67.84	Max Peak	Vertical	171	352	68.2	-0.4	Pass
#2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
#4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
Test Notes: EUT powered by PoE injector. DCCF 0.31 dB added to average measurement.												

Equipment Configuration for Restricted Lower Band-Edge Emissions

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11n HT-40
Antenna Gain (dBi):	Not Applicable	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	88
Channel Frequency (MHz):	5510.00	**Data Rate:**	13.50 MBit/s
Power Setting:	18	**Tested By:**	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	13.43	3.06	34.53	51.02	Max Avg	Vertical	171	352	68.2	-4.0	Pass
#3	5469.36	30.42	3.06	34.55	68.03	Max Peak	Vertical	171	352	68.2	-0.2	Pass
#2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
#4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
Test Notes: EUT powered by PoE injector. DCCF 0.53 dB added to average measurement.												

Equipment Configuration for Restricted Upper Band-Edge Emissions

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11a
Antenna Gain (dBi):	8.00	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	99
Channel Frequency (MHz):	5320.00	**Data Rate:**	6.00 MBit/s
Power Setting:	22	**Tested By:**	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	5360.28	14.57	3.04	34.48	52.09	Max Avg	Vertical	171	352	54.0	-1.9	Pass
#3	5443.01	26.95	3.09	34.50	64.54	Max Peak	Vertical	171	352	74.0	-9.5	Pass
#1	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
Test Notes: EUT powered by PoE injector.												

Equipment Configuration for Restricted Upper Band-Edge Emissions

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11ac-80
Antenna Gain (dBi):	Not Applicable	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	72
Channel Frequency (MHz):	5290.00	**Data Rate:**	29.30 MBit/s
Power Setting:	7	**Tested By:**	JMH

Test Measurement Results

5290.00 - 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	16.32	3.06	34.46	53.84	Max Avg	Vertical	171	352	54.0	-0.2	Pass
#2	5350.00	29.66	3.06	34.46	67.18	Max Peak	Vertical	171	352	74.0	-6.8	Pass
#3	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 1.4 dB added to average measurement. Power setting reduced to meet band edge measurement.

Equipment Configuration for Restricted Upper Band-Edge Emissions

Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11n HT-20
Antenna Gain (dBi):	Not Applicable	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	93
Channel Frequency (MHz):	5320.00	**Data Rate:**	6.50 MBit/s
Power Setting:	22	**Tested By:**	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	5359.96	14.77	3.04	34.48	52.29	Max Avg	Vertical	171	352	54.0	-1.7	Pass
#3	5363.17	26.88	3.06	34.48	64.42	Max Peak	Vertical	171	352	74.0	-9.6	Pass
#1	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
Test Notes: EUT powered by PoE injector. DCCF 0.31 dB added to average measurement.												

Equipment Configuration for Restricted Upper Band-Edge Emissions

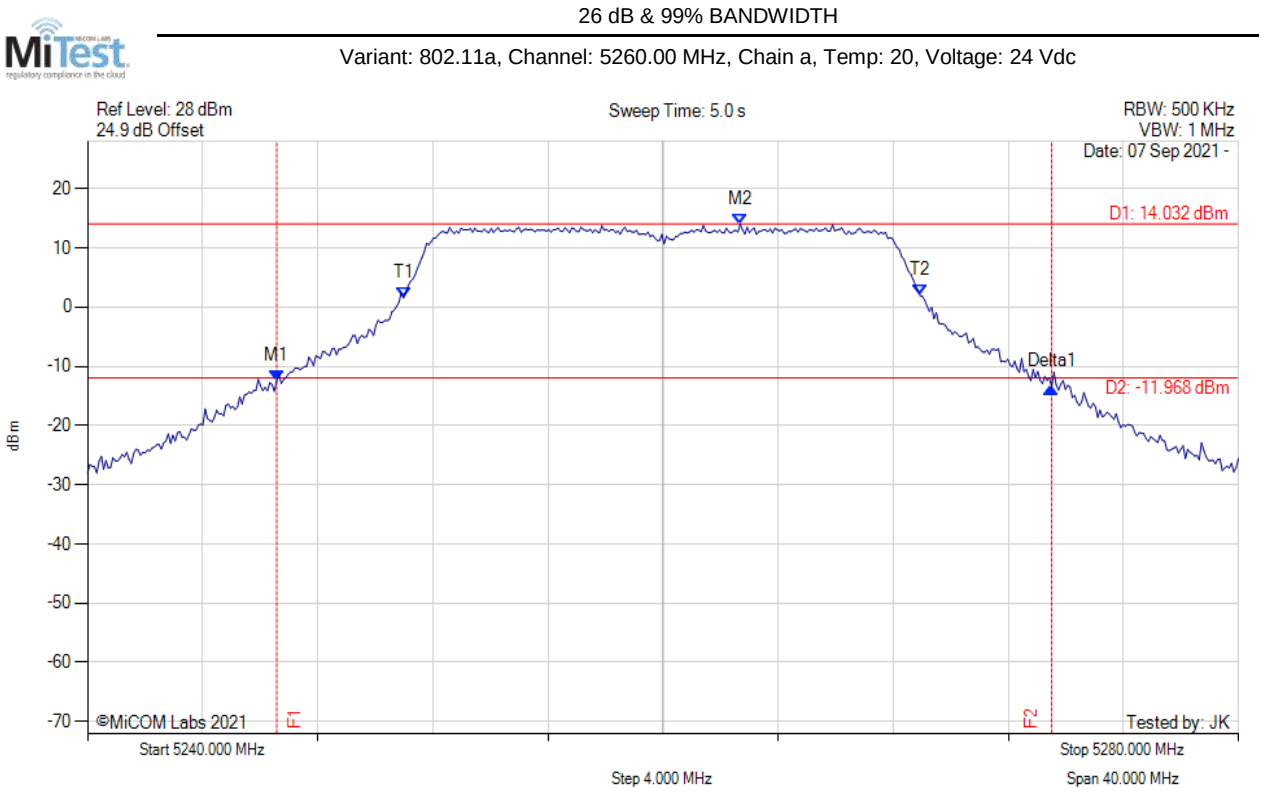
Antenna:	Tesswave communications TOF-2458-6V	**Variant:**	802.11n HT-40
Antenna Gain (dBi):	Not Applicable	**Modulation:**	OFDM
Beam Forming Gain (Y):	Not Applicable	**Duty Cycle (%):**	88
Channel Frequency (MHz):	5310.00	**Data Rate:**	13.50 MBit/s
Power Setting:	15	**Tested By:**	JMH

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	14.38	3.06	34.46	51.90	Max Avg	Vertical	171	352	54.0	-2.1	Pass
#2	5350.00	26.62	3.06	34.46	64.14	Max Peak	Vertical	171	352	74.0	-9.9	Pass
#3	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
Test Notes: EUT powered by PoE injector. DCCF 0.53 dB added to average measurement. Power setting reduced to meet band edge measurement.												

A. APPENDIX - GRAPHICAL IMAGES

A.1. 26 dB & 99% Bandwidth

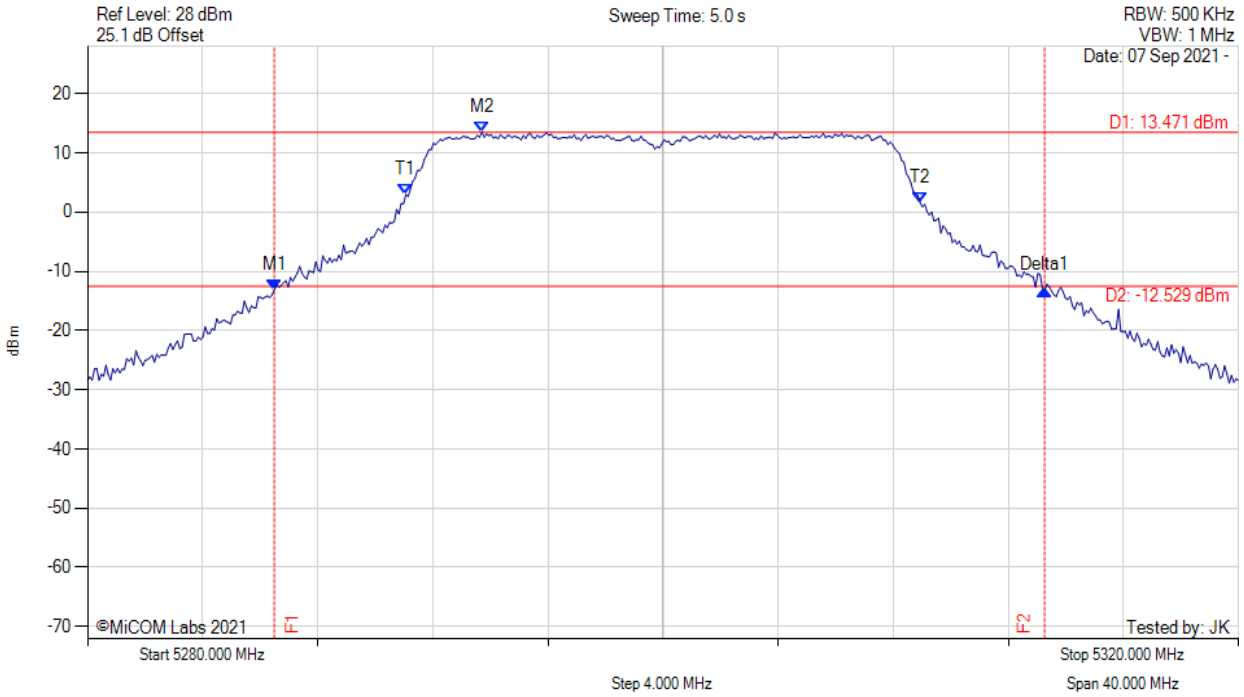


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5246.573 MHz : -12.378 dBm M2 : 5262.685 MHz : 14.032 dBm Delta1 : 26.934 MHz : -1.127 dB T1 : 5250.982 MHz : 1.539 dBm T2 : 5268.938 MHz : 1.927 dBm OBW : 17.956 MHz	Measured 26 dB Bandwidth: 26.934 MHz Measured 99% Bandwidth: 17.956 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

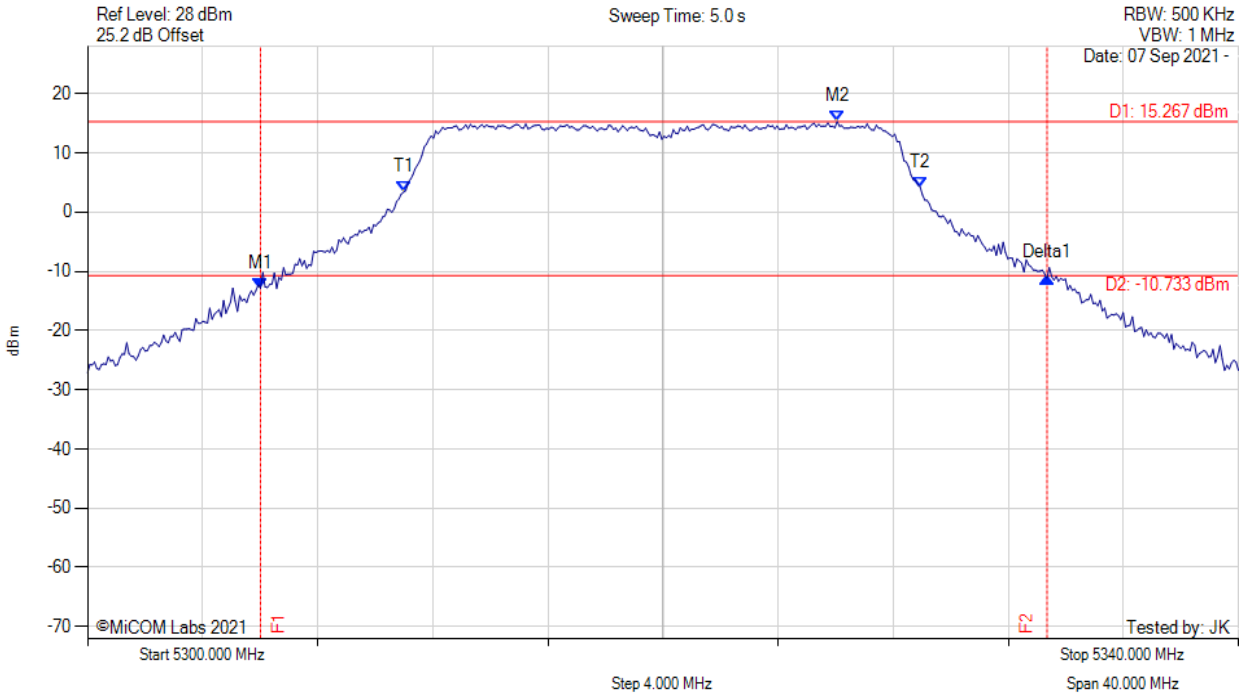


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5286.493 MHz : -13.102 dBm M2 : 5293.707 MHz : 13.471 dBm Delta1 : 26.774 MHz : -0.087 dB T1 : 5291.062 MHz : 2.924 dBm T2 : 5308.938 MHz : 1.535 dBm OBW : 17.876 MHz	Measured 26 dB Bandwidth: 26.774 MHz Measured 99% Bandwidth: 17.876 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

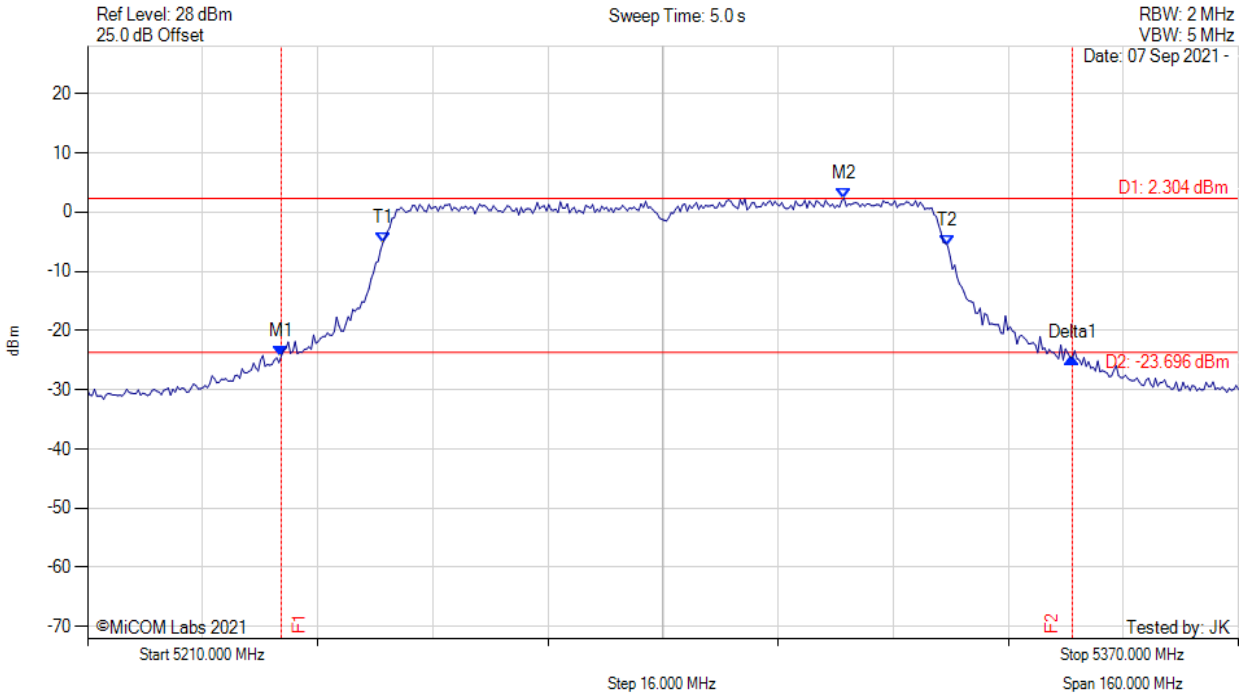


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5306.012 MHz : -12.862 dBm M2 : 5326.052 MHz : 15.267 dBm Delta1 : 27.335 MHz : 1.731 dB T1 : 5310.982 MHz : 3.384 dBm T2 : 5328.938 MHz : 4.205 dBm OBW : 17.956 MHz	Measured 26 dB Bandwidth: 27.335 MHz Measured 99% Bandwidth: 17.956 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

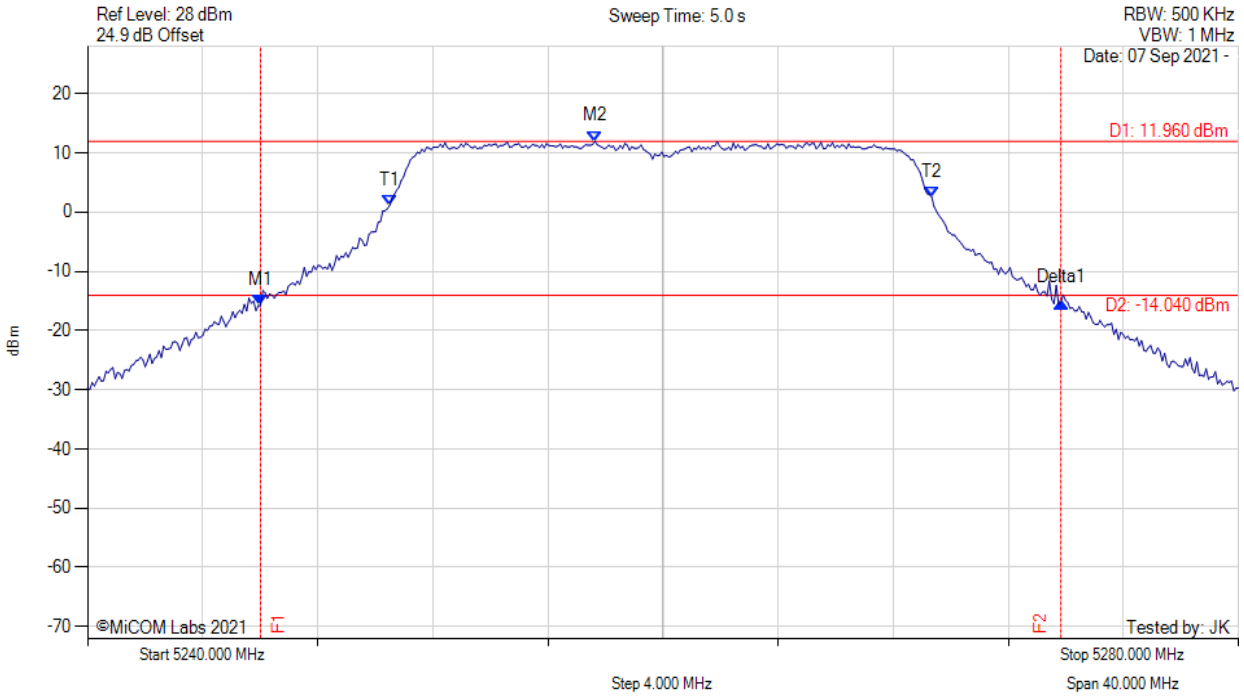


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5236.934 MHz : -24.294 dBm M2 : 5315.170 MHz : 2.304 dBm Delta1 : 109.980 MHz : -0.397 dB T1 : 5251.042 MHz : -5.215 dBm T2 : 5329.599 MHz : -5.783 dBm OBW : 78.557 MHz	Measured 26 dB Bandwidth: 109.980 MHz Measured 99% Bandwidth: 78.557 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

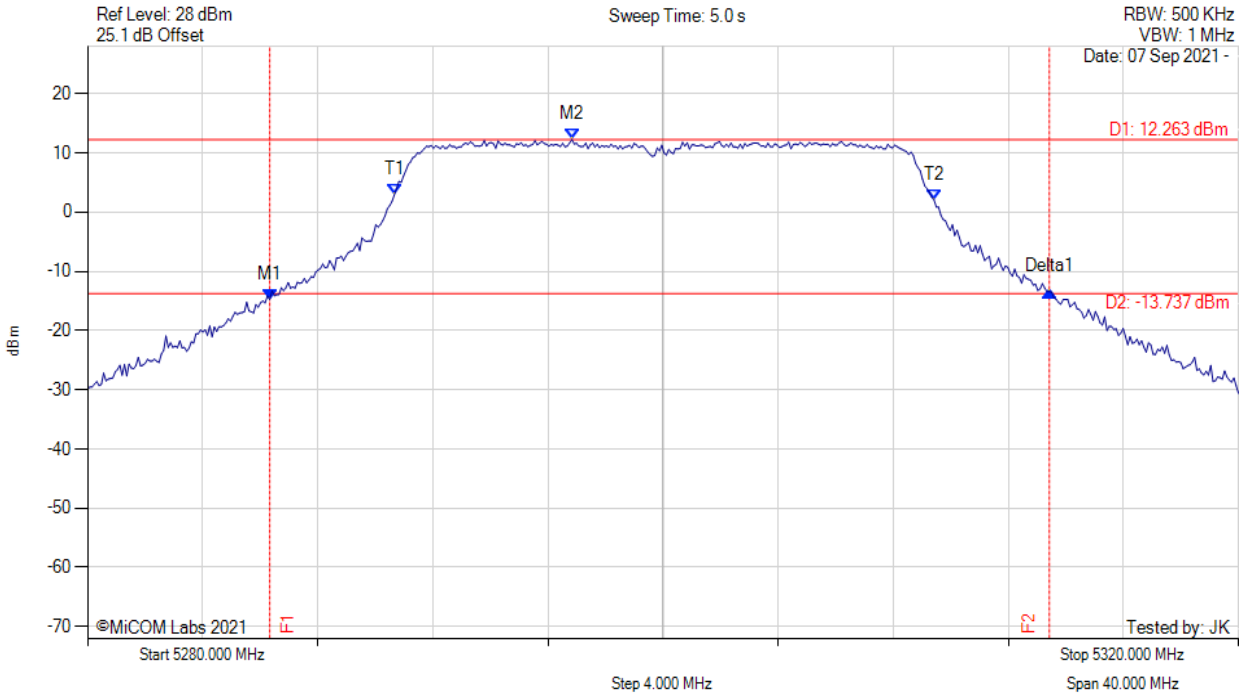


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5246.012 MHz : -15.803 dBm M2 : 5257.635 MHz : 11.960 dBm Delta1 : 27.816 MHz : 0.571 dB T1 : 5250.501 MHz : 1.118 dBm T2 : 5269.339 MHz : 2.564 dBm OBW : 18.838 MHz	Measured 26 dB Bandwidth: 27.816 MHz Measured 99% Bandwidth: 18.838 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

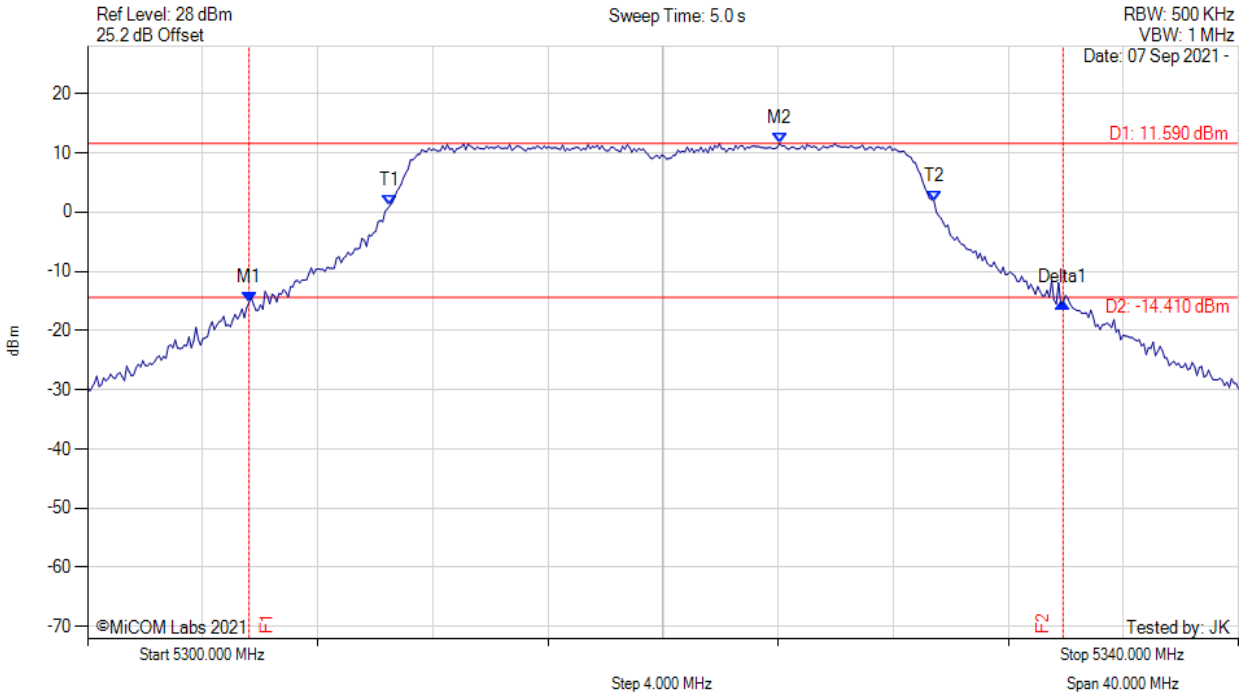


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5286.333 MHz : -14.768 dBm M2 : 5296.834 MHz : 12.263 dBm Delta1 : 27.094 MHz : 1.357 dB T1 : 5290.661 MHz : 2.904 dBm T2 : 5309.419 MHz : 2.102 dBm OBW : 18.758 MHz	Measured 26 dB Bandwidth: 27.094 MHz Measured 99% Bandwidth: 18.758 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

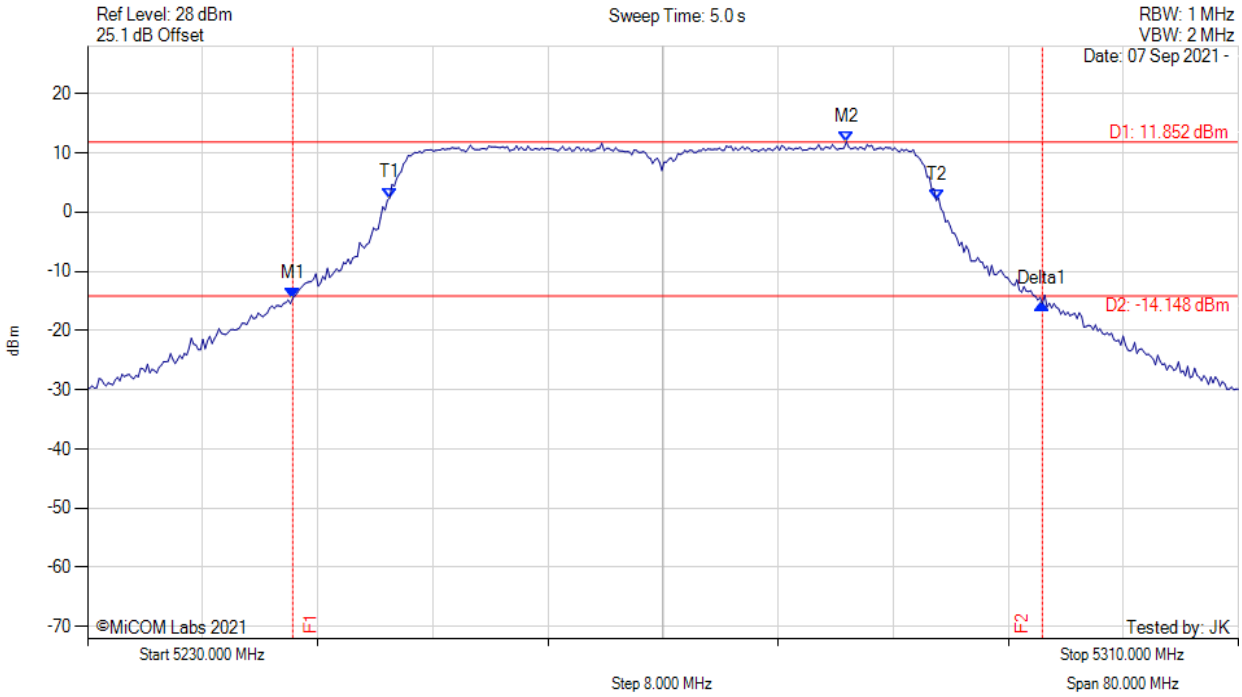


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5305.611 MHz : -15.262 dBm M2 : 5324.048 MHz : 11.590 dBm Delta1 : 28.297 MHz : -0.055 dB T1 : 5310.501 MHz : 1.051 dBm T2 : 5329.419 MHz : 1.875 dBm OBW : 18.918 MHz	Measured 26 dB Bandwidth: 28.297 MHz Measured 99% Bandwidth: 18.918 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

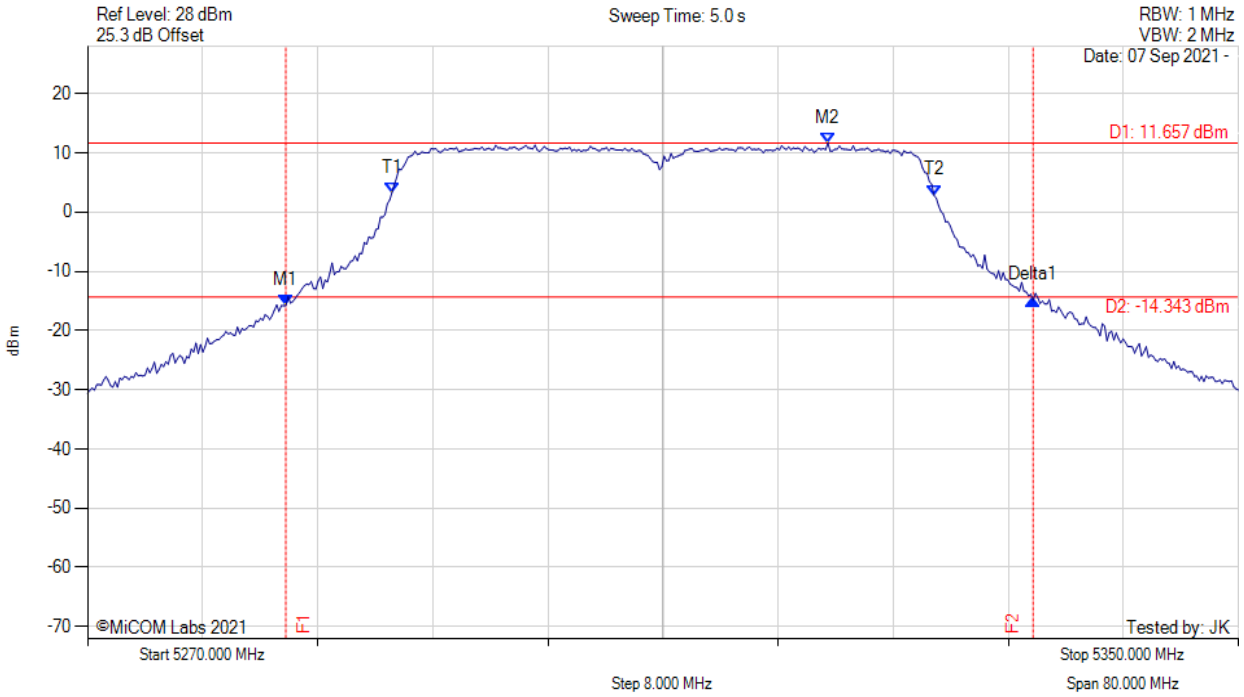


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5244.269 MHz : -14.520 dBm M2 : 5282.745 MHz : 11.852 dBm Delta1 : 52.104 MHz : -0.944 dB T1 : 5251.002 MHz : 2.389 dBm T2 : 5288.998 MHz : 1.952 dBm OBW : 37.996 MHz	Measured 26 dB Bandwidth: 52.104 MHz Measured 99% Bandwidth: 37.996 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

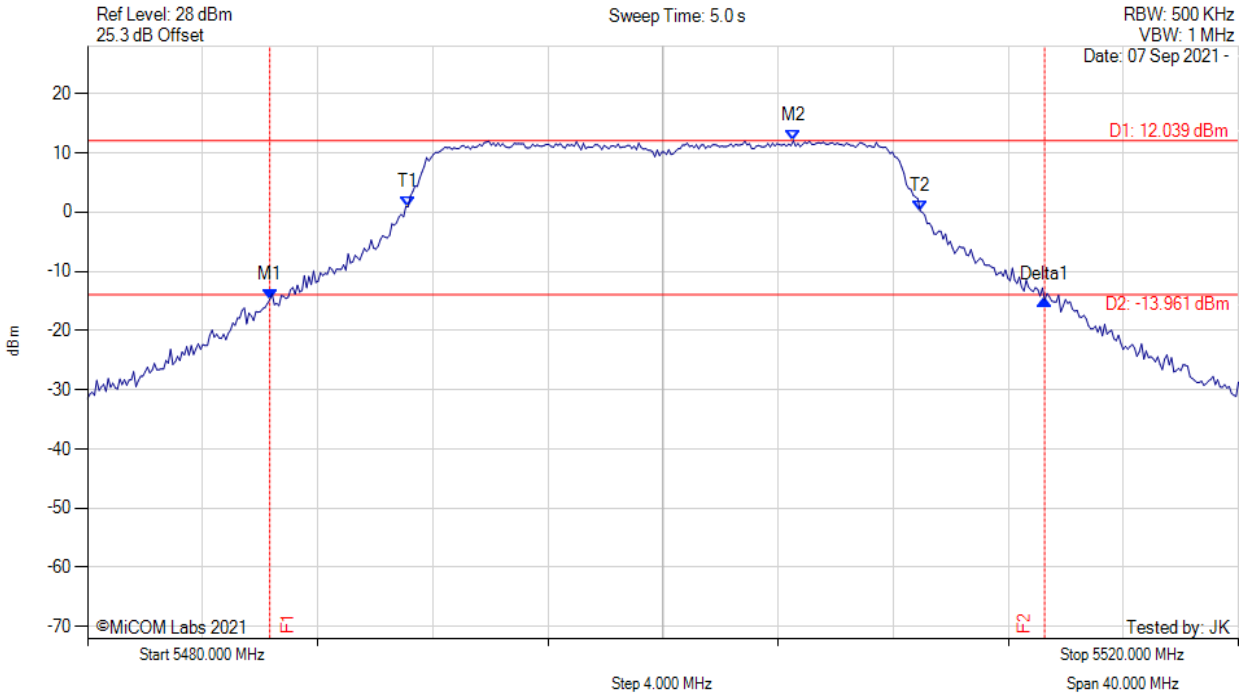


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5283.788 MHz : -15.764 dBm M2 : 5321.463 MHz : 11.657 dBm Delta1 : 51.944 MHz : 0.897 dB T1 : 5291.162 MHz : 3.296 dBm T2 : 5328.838 MHz : 2.834 dBm OBW : 37.675 MHz	Measured 26 dB Bandwidth: 51.944 MHz Measured 99% Bandwidth: 37.675 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

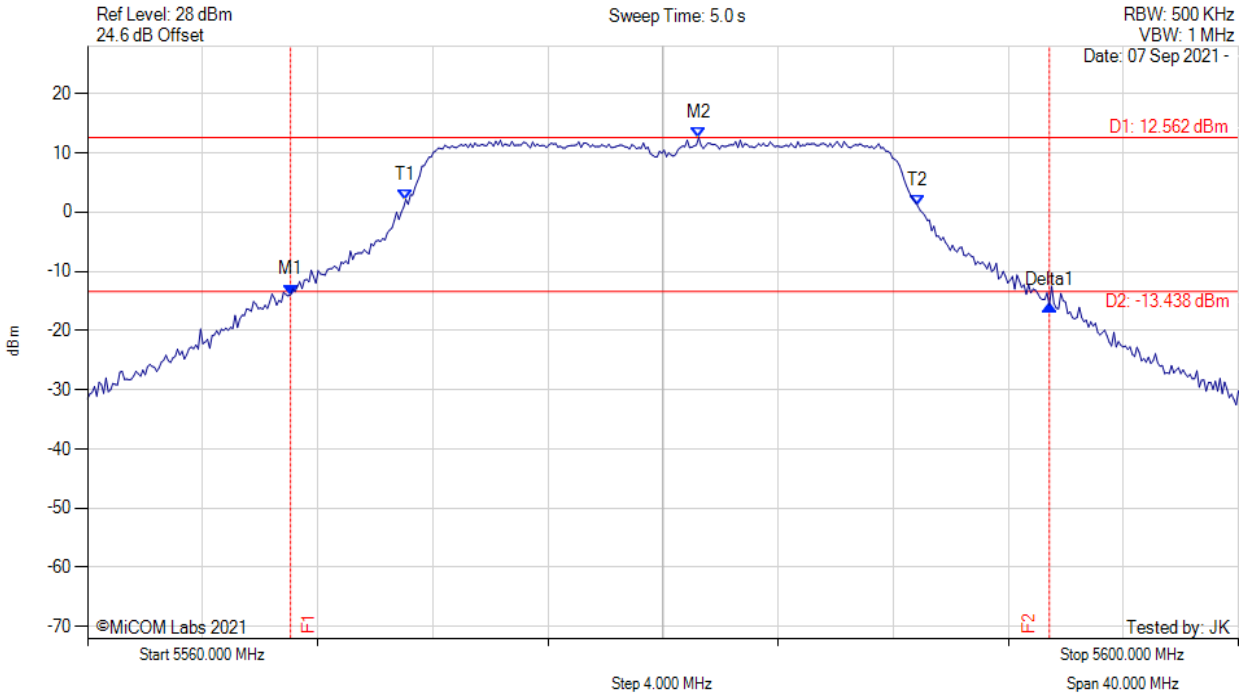


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5486.333 MHz : -14.792 dBm M2 : 5504.529 MHz : 12.039 dBm Delta1 : 26.934 MHz : -0.053 dB T1 : 5491.142 MHz : 0.876 dBm T2 : 5508.938 MHz : 0.186 dBm OBW : 17.796 MHz	Measured 26 dB Bandwidth: 26.934 MHz Measured 99% Bandwidth: 17.796 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

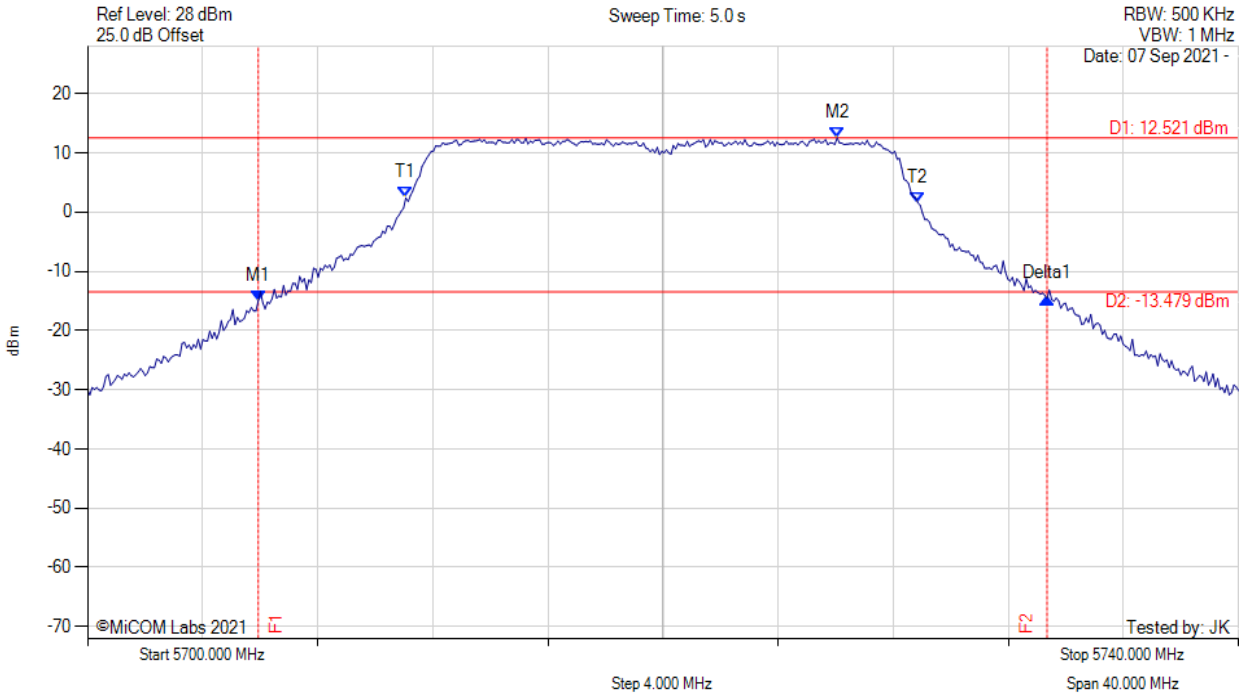


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.054 MHz : -13.977 dBm M2 : 5581.242 MHz : 12.562 dBm Delta1 : 26.373 MHz : -1.741 dB T1 : 5571.062 MHz : 2.112 dBm T2 : 5588.858 MHz : 1.018 dBm OBW : 17.796 MHz	Measured 26 dB Bandwidth: 26.373 MHz Measured 99% Bandwidth: 17.796 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

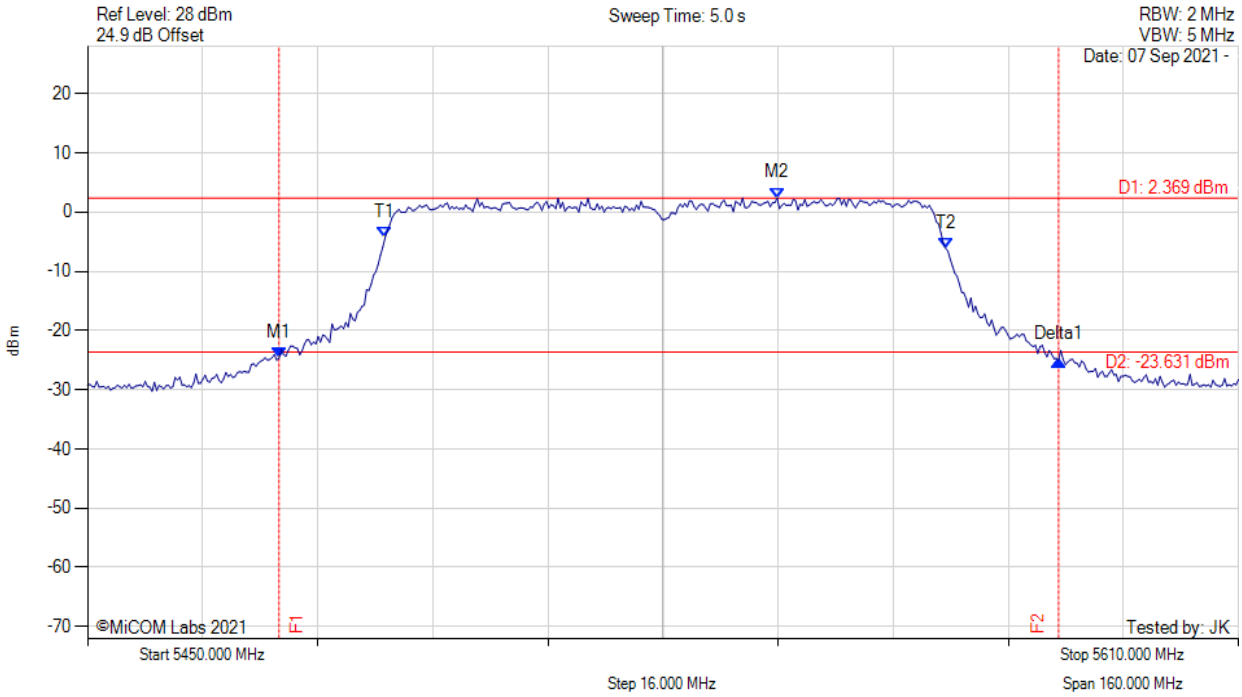


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5705.932 MHz : -14.995 dBm M2 : 5726.052 MHz : 12.521 dBm Delta1 : 27.415 MHz : 0.419 dB T1 : 5711.062 MHz : 2.403 dBm T2 : 5728.858 MHz : 1.584 dBm OBW : 17.796 MHz	Measured 26 dB Bandwidth: 27.415 MHz Measured 99% Bandwidth: 17.796 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

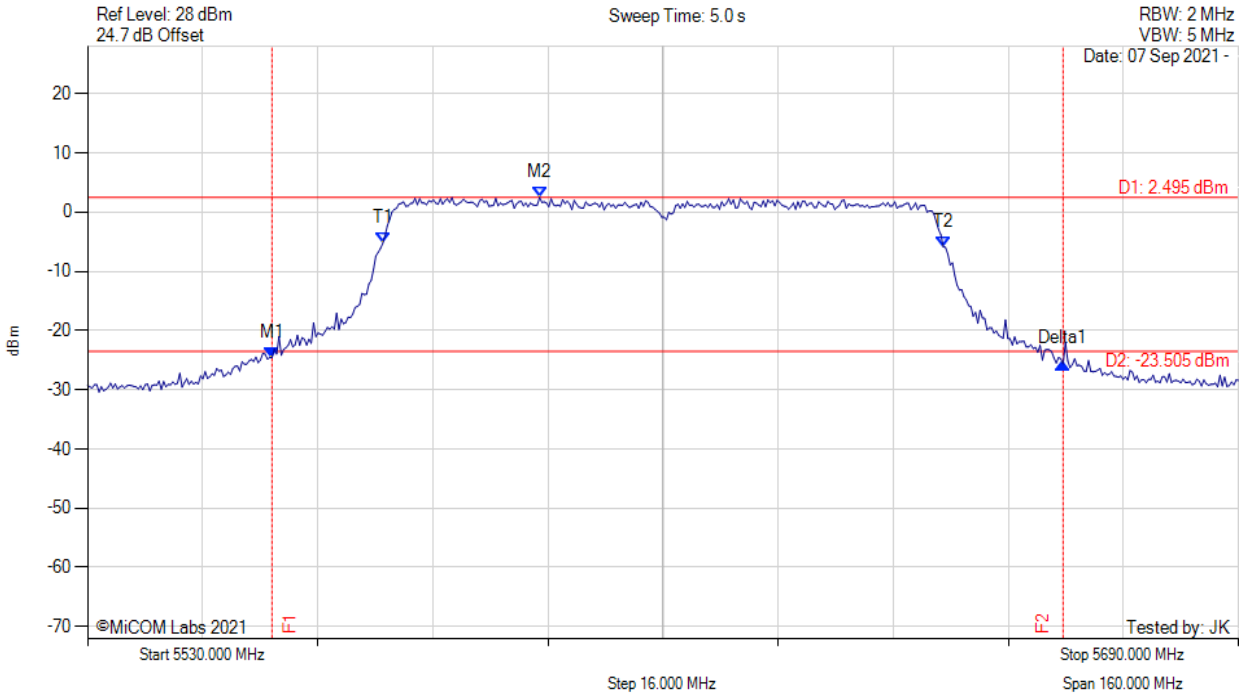


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5476.613 MHz : -24.690 dBm M2 : 5545.872 MHz : 2.369 dBm Delta1 : 108.377 MHz : -0.262 dB T1 : 5491.363 MHz : -4.375 dBm T2 : 5569.279 MHz : -6.096 dBm OBW : 77.916 MHz	Measured 26 dB Bandwidth: 108.377 MHz Measured 99% Bandwidth: 77.916 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

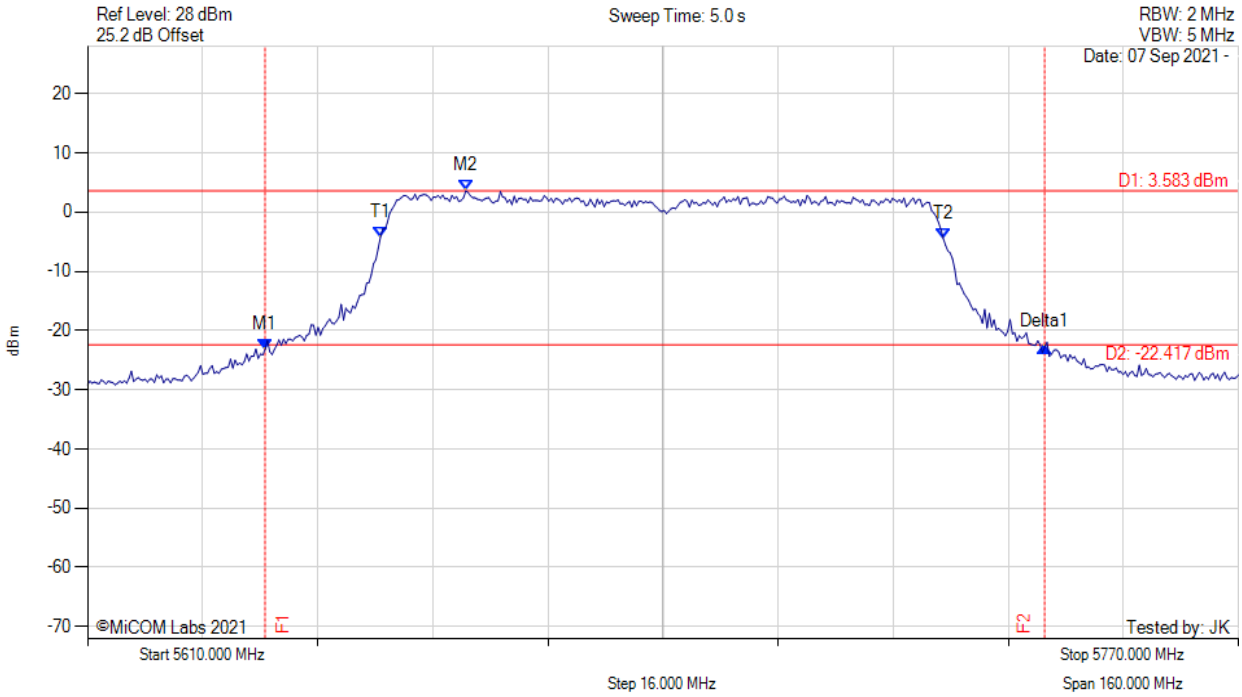


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5555.651 MHz : -24.558 dBm M2 : 5592.846 MHz : 2.495 dBm Delta1 : 109.980 MHz : -1.037 dB T1 : 5571.042 MHz : -5.278 dBm T2 : 5648.958 MHz : -5.846 dBm OBW : 77.916 MHz	Measured 26 dB Bandwidth: 109.980 MHz Measured 99% Bandwidth: 77.916 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

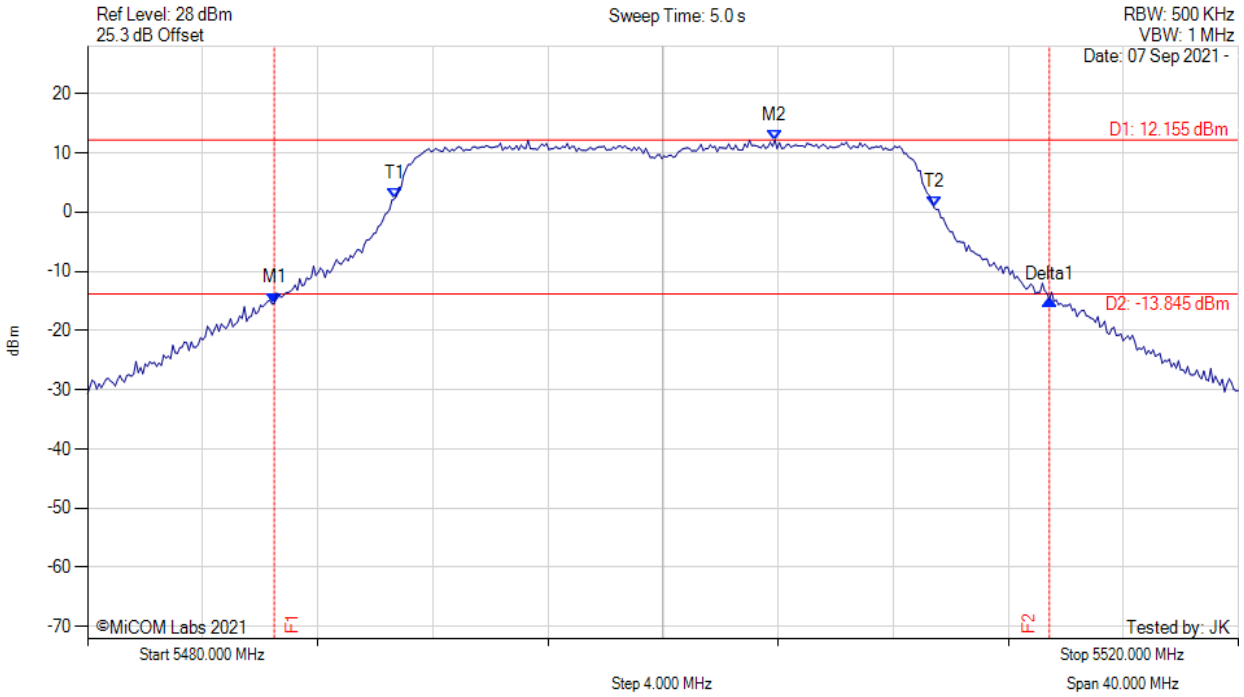


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5634.689 MHz : -23.200 dBm M2 : 5662.585 MHz : 3.583 dBm Delta1 : 108.377 MHz : 0.368 dB T1 : 5650.721 MHz : -4.243 dBm T2 : 5728.958 MHz : -4.440 dBm OBW : 78.236 MHz	Measured 26 dB Bandwidth: 108.377 MHz Measured 99% Bandwidth: 78.236 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

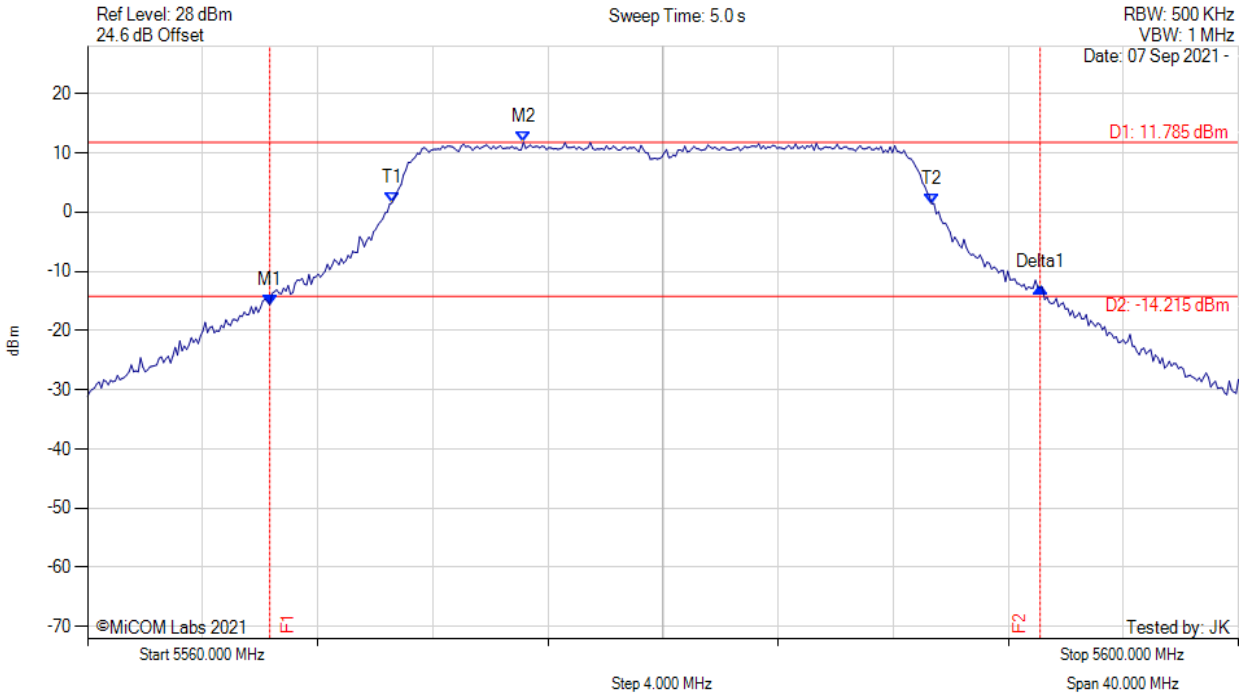


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5486.493 MHz : -15.394 dBm M2 : 5503.888 MHz : 12.155 dBm Delta1 : 26.934 MHz : 0.677 dB T1 : 5490.661 MHz : 2.216 dBm T2 : 5509.419 MHz : 0.778 dBm OBW : 18.758 MHz	Measured 26 dB Bandwidth: 26.934 MHz Measured 99% Bandwidth: 18.758 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

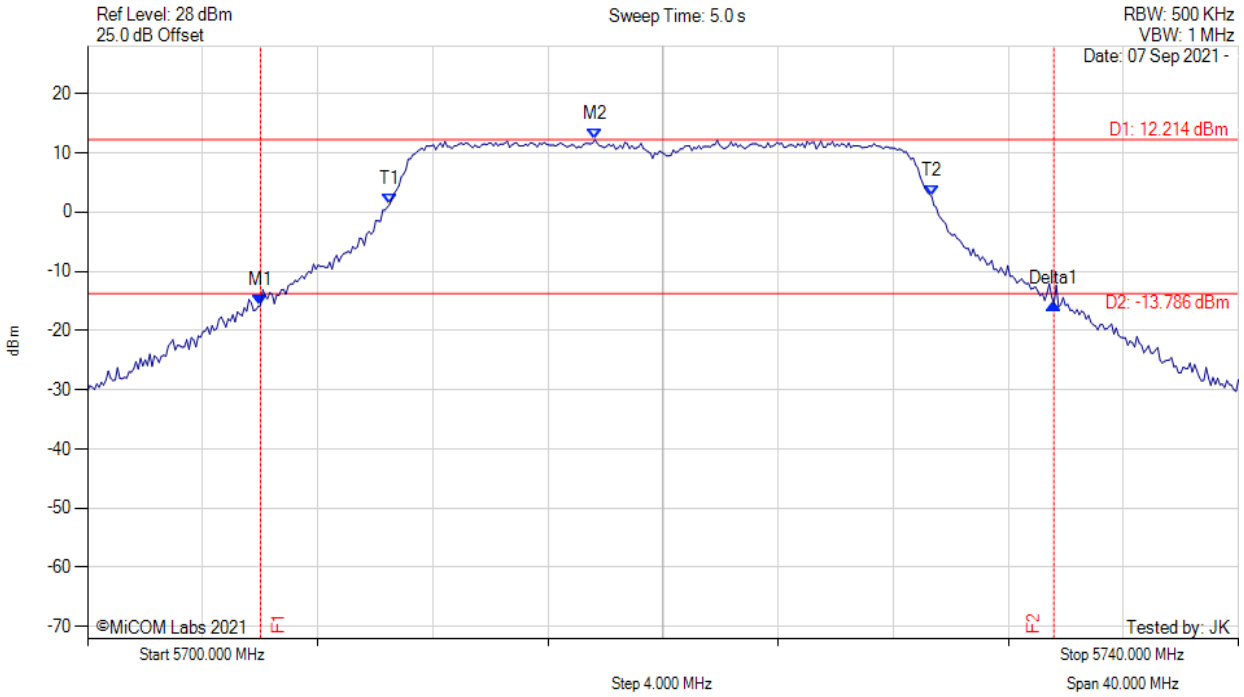


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5566.333 MHz : -15.658 dBm M2 : 5575.150 MHz : 11.785 dBm Delta1 : 26.774 MHz : 2.916 dB T1 : 5570.581 MHz : 1.541 dBm T2 : 5589.339 MHz : 1.395 dBm OBW : 18.758 MHz	Measured 26 dB Bandwidth: 26.774 MHz Measured 99% Bandwidth: 18.758 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

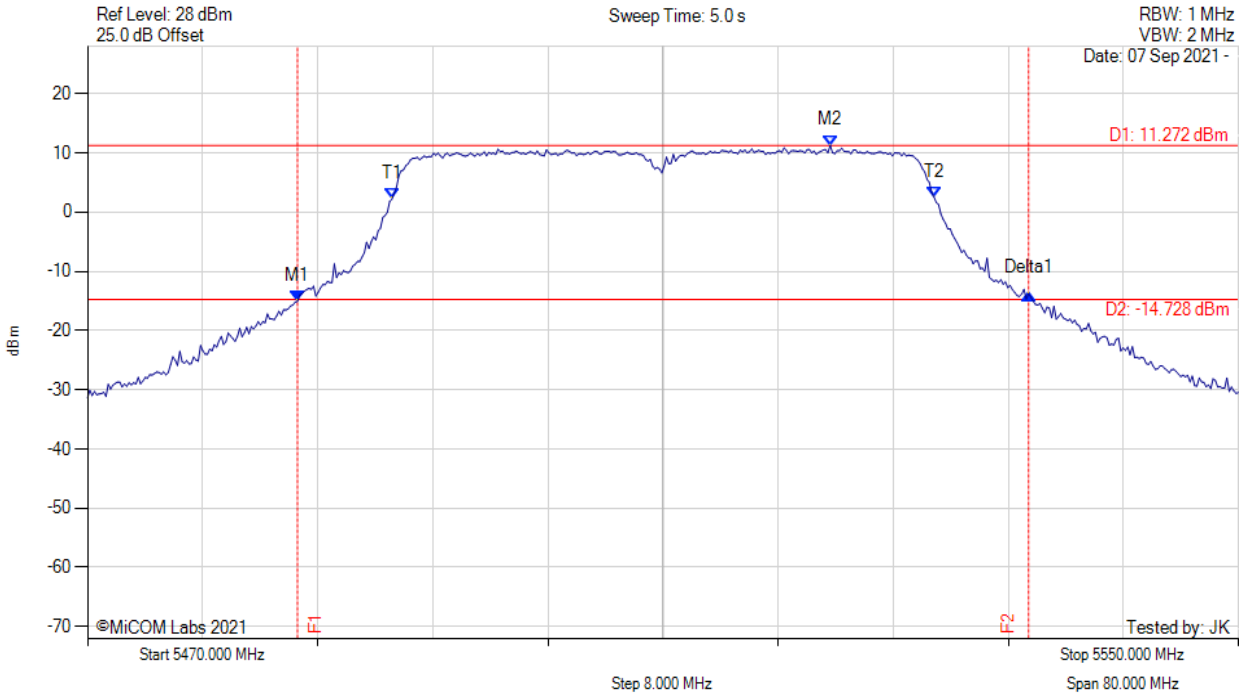


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5706.012 MHz : -15.782 dBm M2 : 5717.635 MHz : 12.214 dBm Delta1 : 27.575 MHz : 0.246 dB T1 : 5710.501 MHz : 1.327 dBm T2 : 5729.339 MHz : 2.643 dBm OBW : 18.838 MHz	Measured 26 dB Bandwidth: 27.575 MHz Measured 99% Bandwidth: 18.838 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

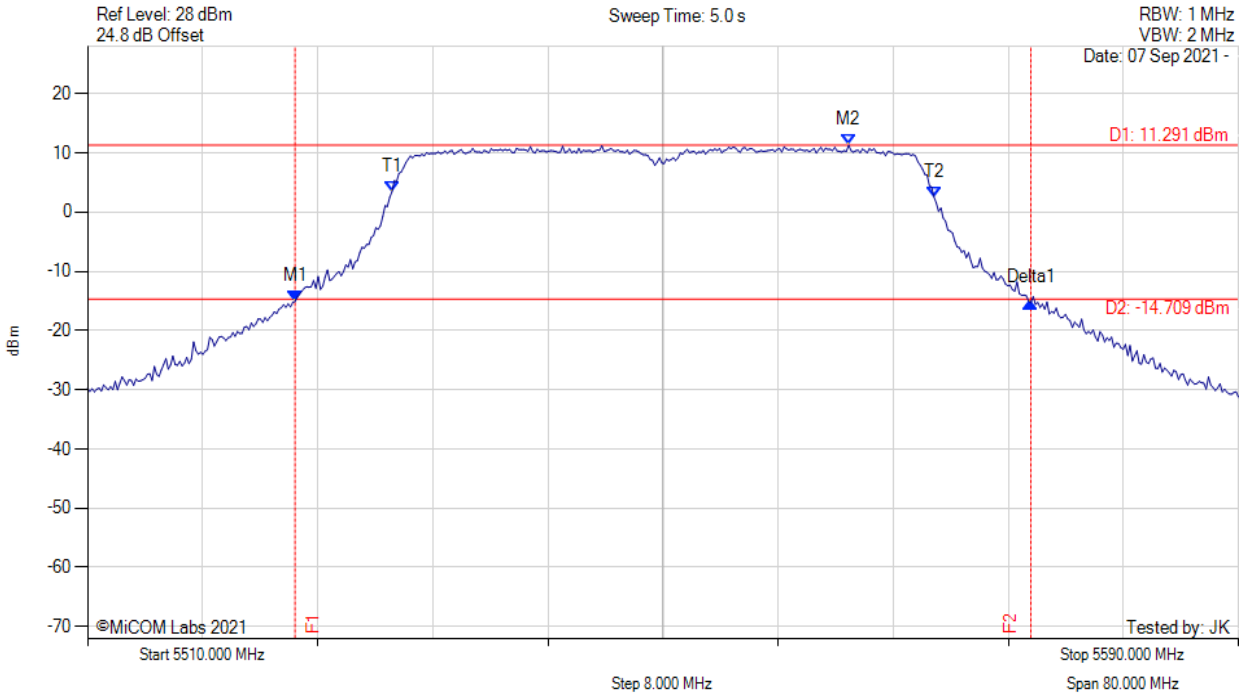


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5484.589 MHz : -15.061 dBm M2 : 5521.623 MHz : 11.272 dBm Delta1 : 50.822 MHz : 1.312 dB T1 : 5491.162 MHz : 2.186 dBm T2 : 5528.838 MHz : 2.540 dBm OBW : 37.675 MHz	Measured 26 dB Bandwidth: 50.822 MHz Measured 99% Bandwidth: 37.675 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

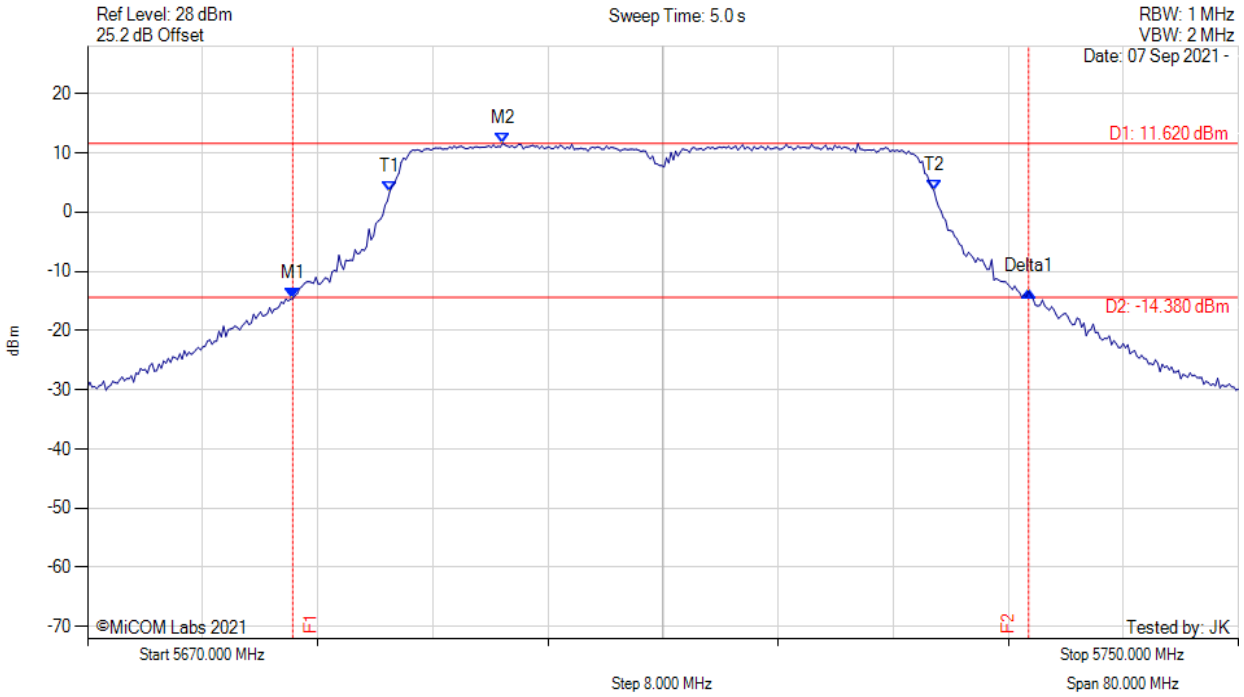


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5524.429 MHz : -15.079 dBm M2 : 5562.906 MHz : 11.291 dBm Delta1 : 51.142 MHz : -0.230 dB T1 : 5531.162 MHz : 3.428 dBm T2 : 5568.838 MHz : 2.546 dBm OBW : 37.675 MHz	Measured 26 dB Bandwidth: 51.142 MHz Measured 99% Bandwidth: 37.675 MHz

back to matrix

26 dB & 99% BANDWIDTH

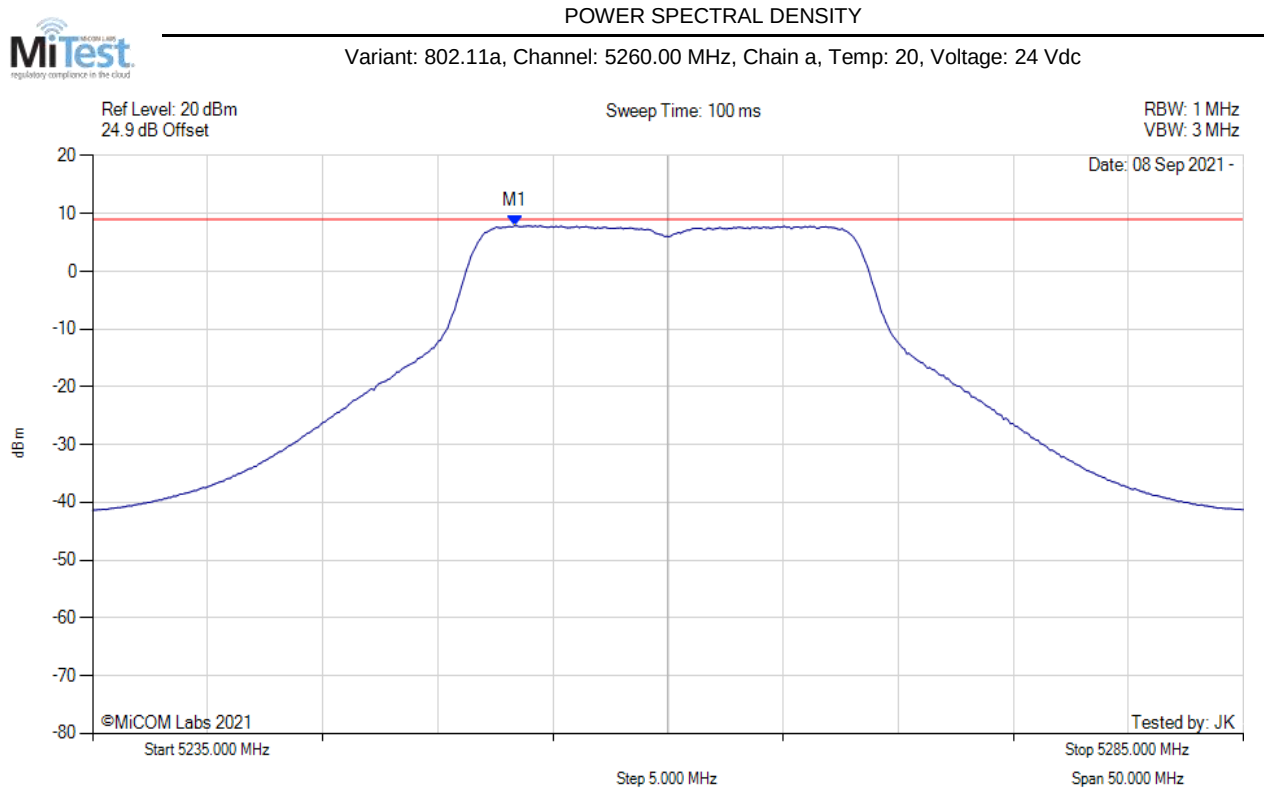
Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5684.269 MHz : -14.611 dBm M2 : 5698.858 MHz : 11.620 dBm Delta1 : 51.142 MHz : 1.253 dB T1 : 5691.002 MHz : 3.424 dBm T2 : 5728.838 MHz : 3.646 dBm OBW : 37.836 MHz	Measured 26 dB Bandwidth: 51.142 MHz Measured 99% Bandwidth: 37.836 MHz

back to matrix

A.2. Power Spectral Density

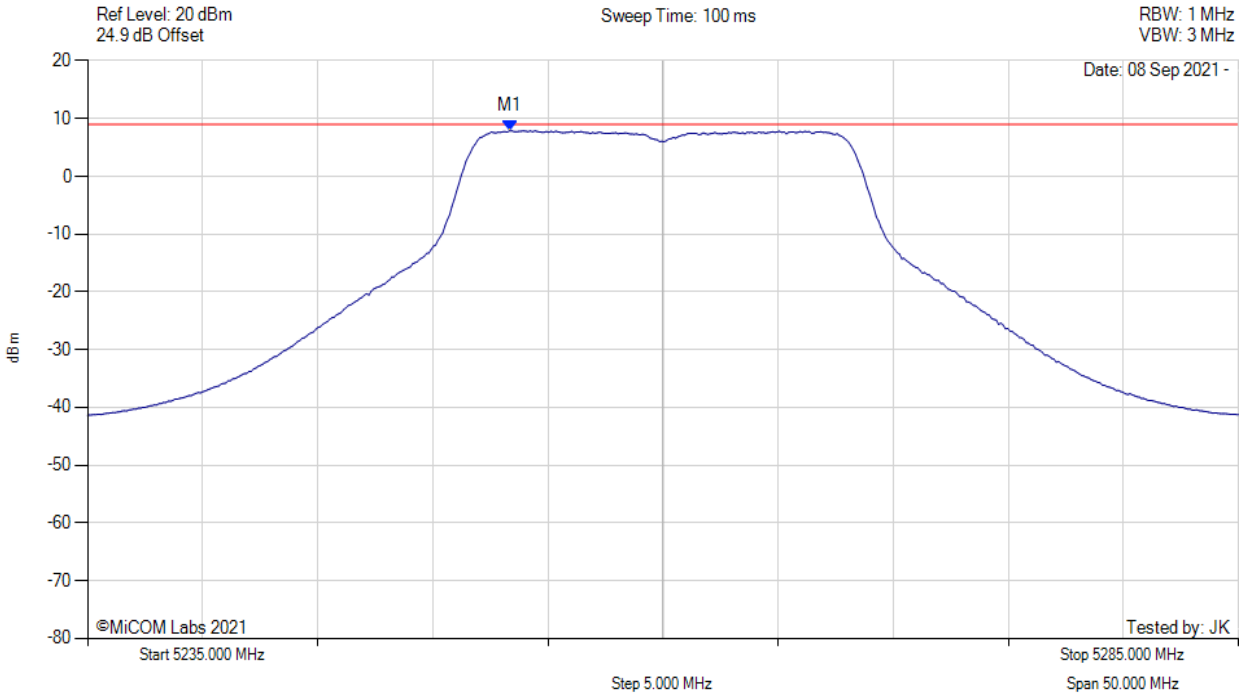


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5253.337 MHz : 7.883 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5260.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

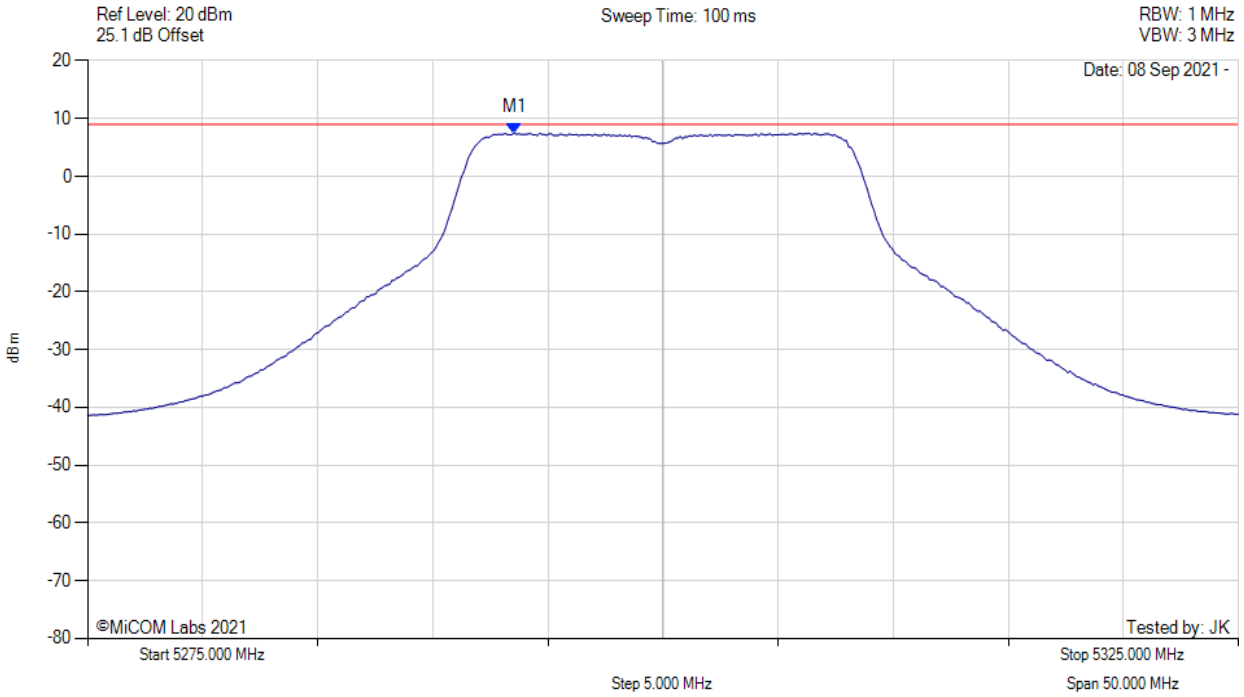


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5253.300 MHz : 7.883 dBm M1 + DCCF : 5253.300 MHz : 8.138 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -0.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

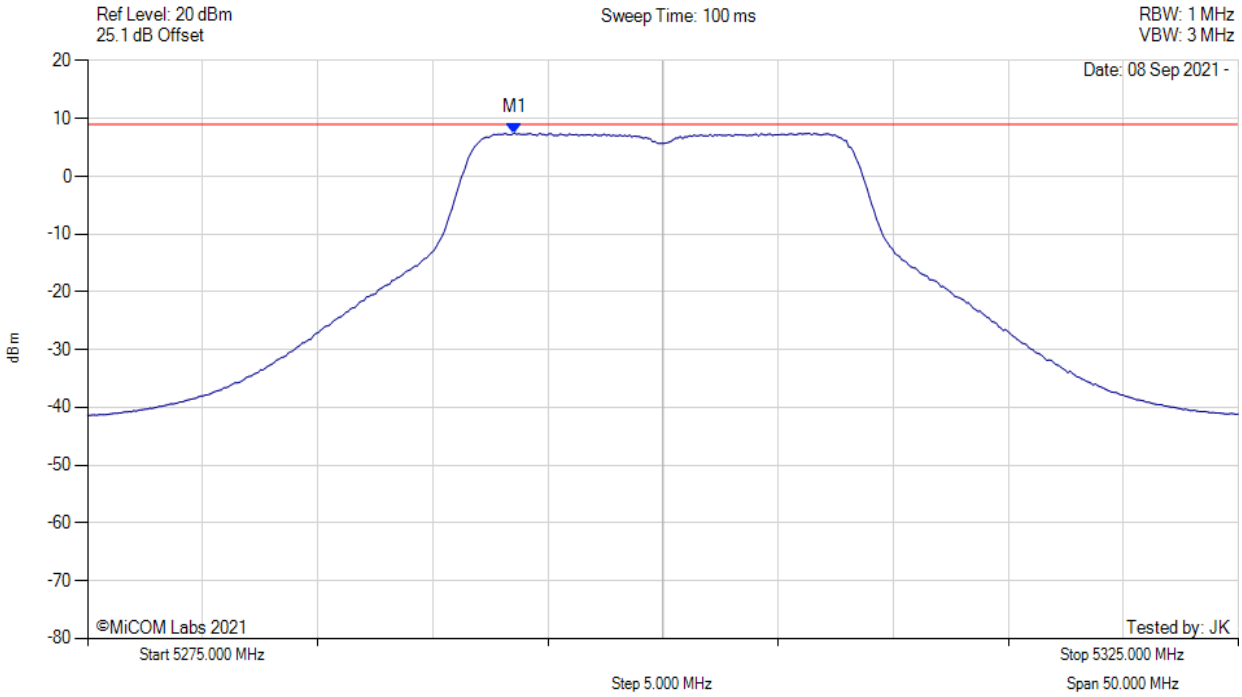


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5293.537 MHz : 7.511 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

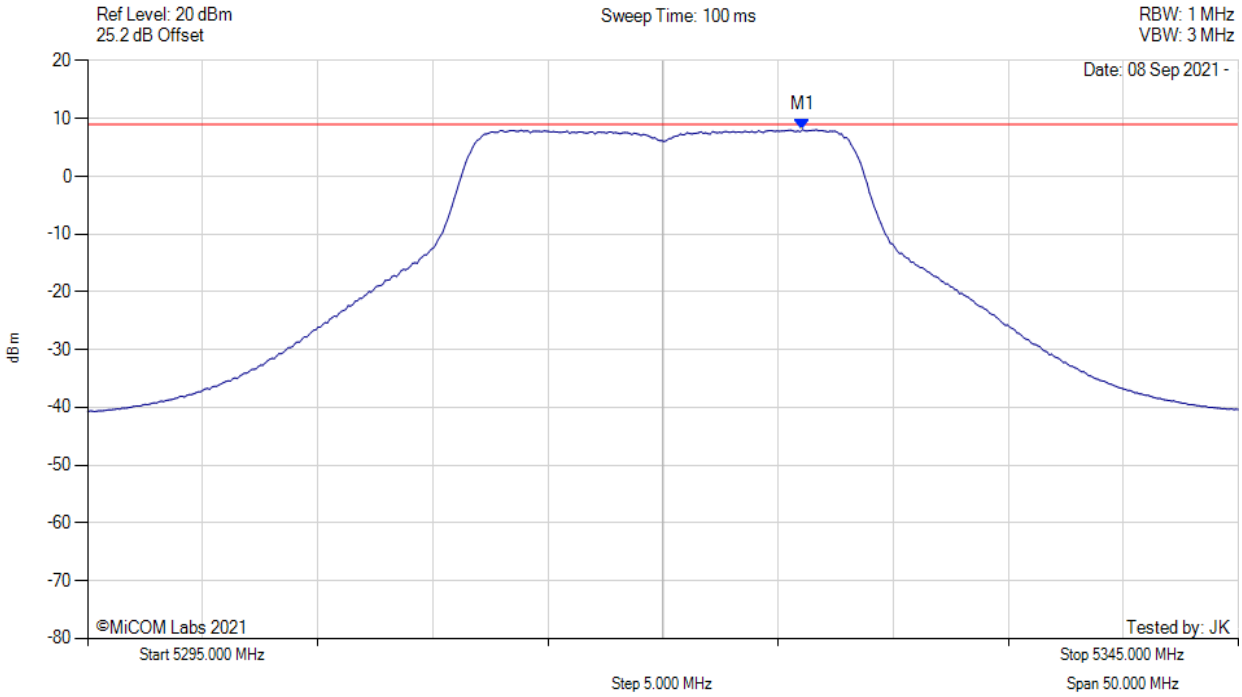


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5293.500 MHz : 7.511 dBm M1 + DCCF : 5293.500 MHz : 7.766 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -1.2 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

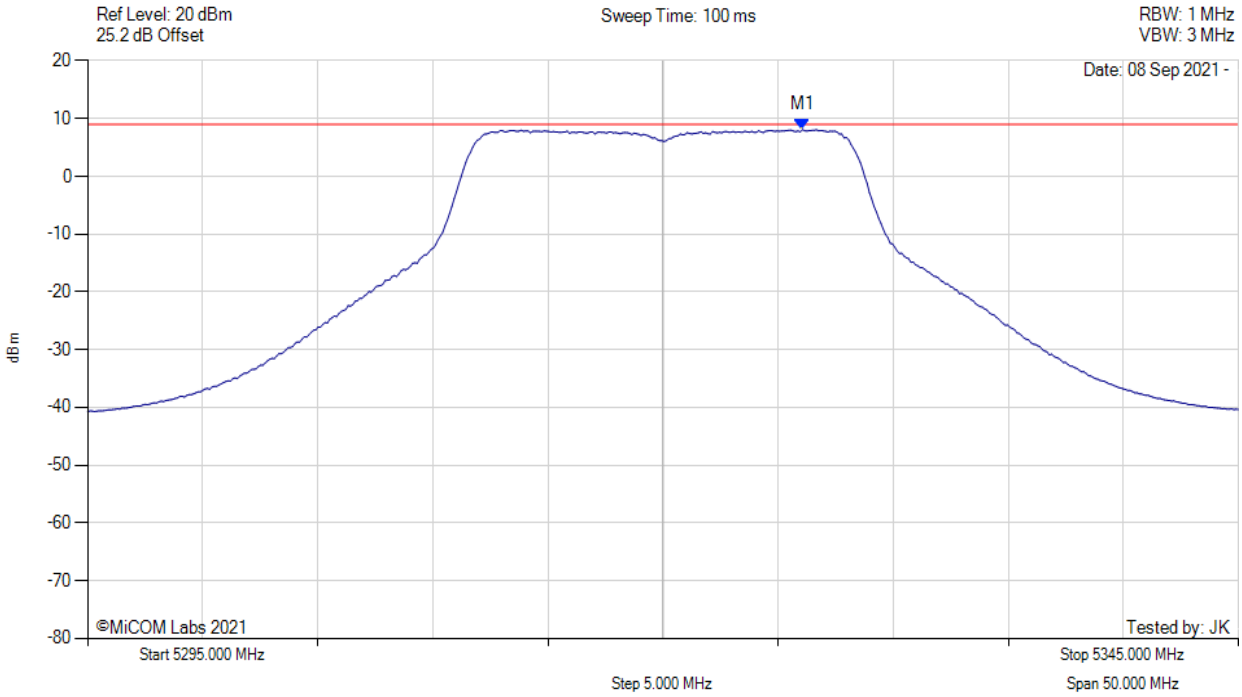


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5326.062 MHz : 8.077 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

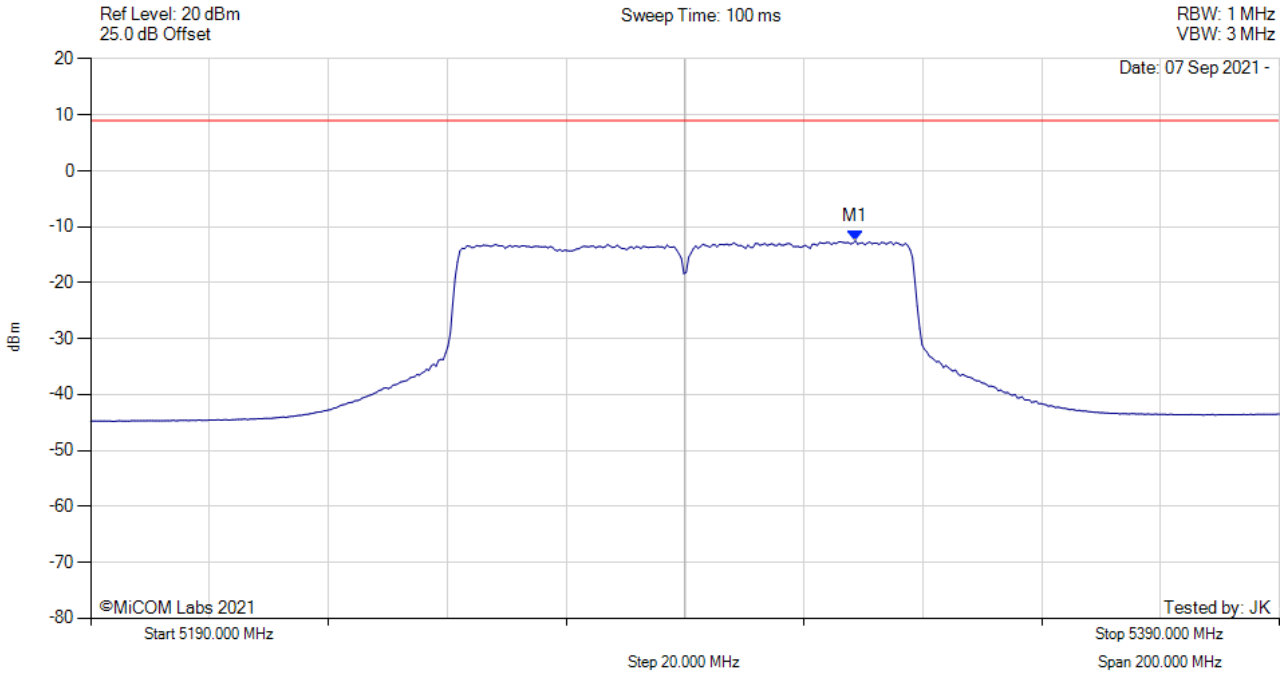


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5326.100 MHz : 8.077 dBm M1 + DCCF : 5326.100 MHz : 8.332 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -0.7 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

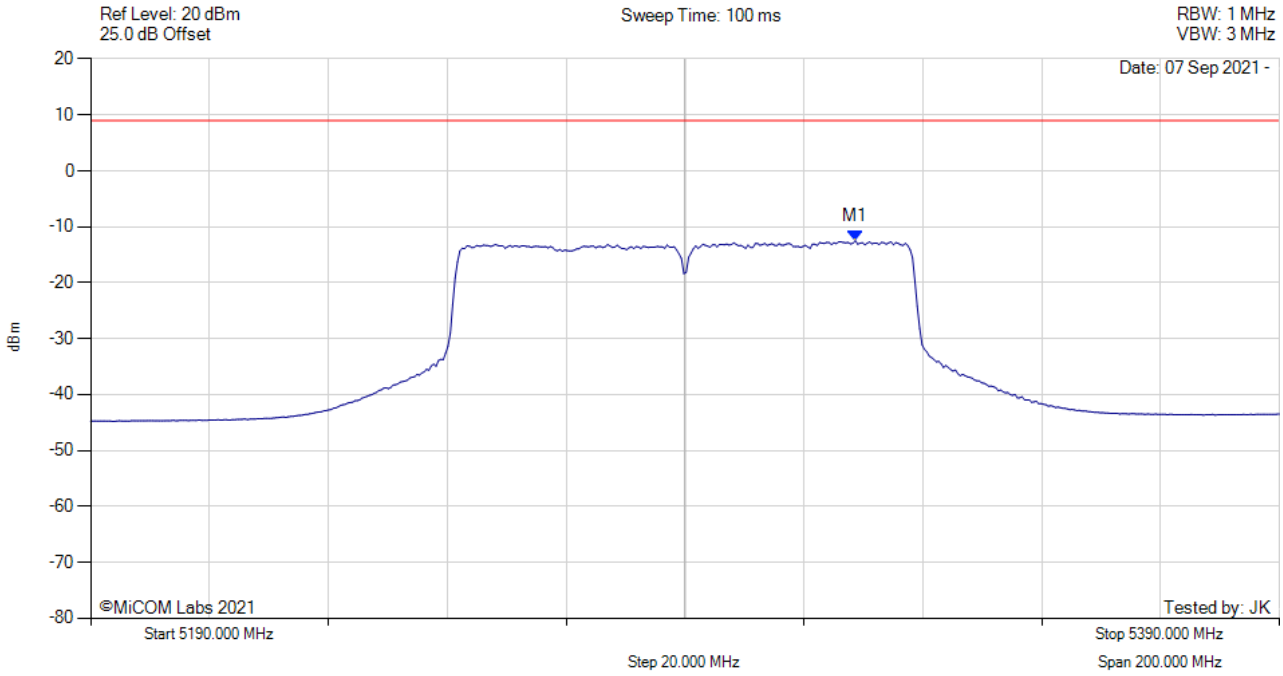


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5318.657 MHz : -12.473 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5290.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

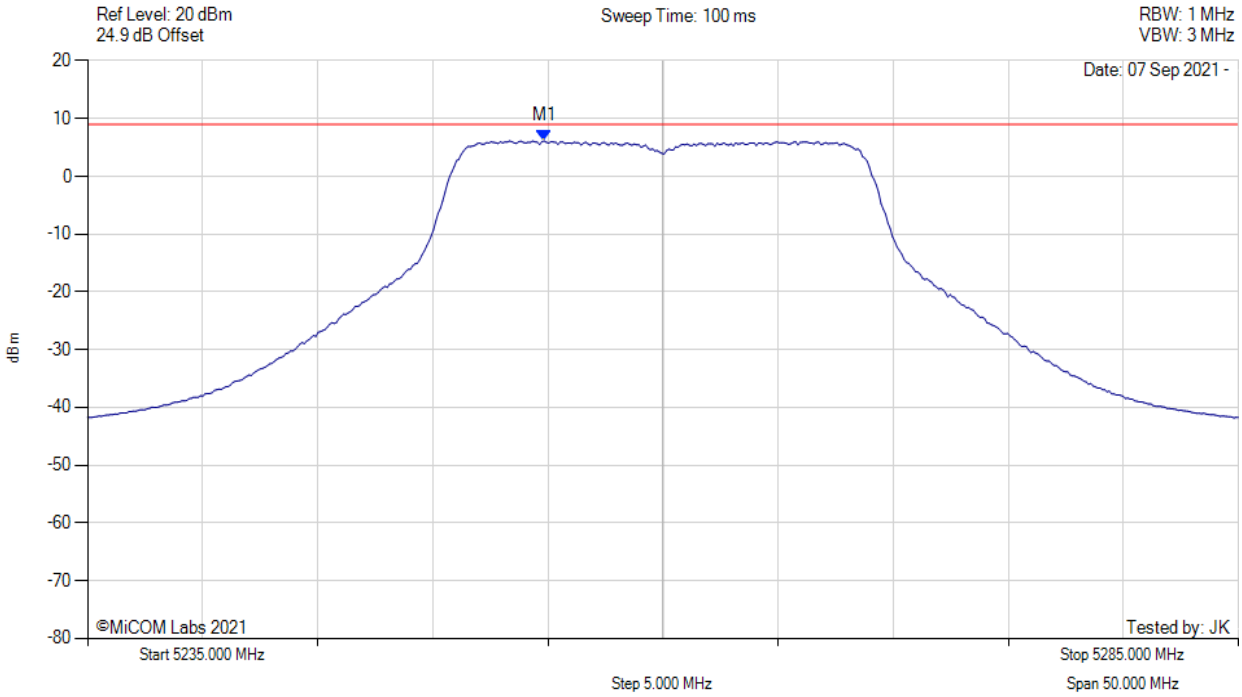


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5318.700 MHz : -12.473 dBm M1 + DCCF : 5318.700 MHz : -11.482 dBm Duty Cycle Correction Factor : +0.97 dB	Limit: ≤ 9.0 dBm Margin: -20.5 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

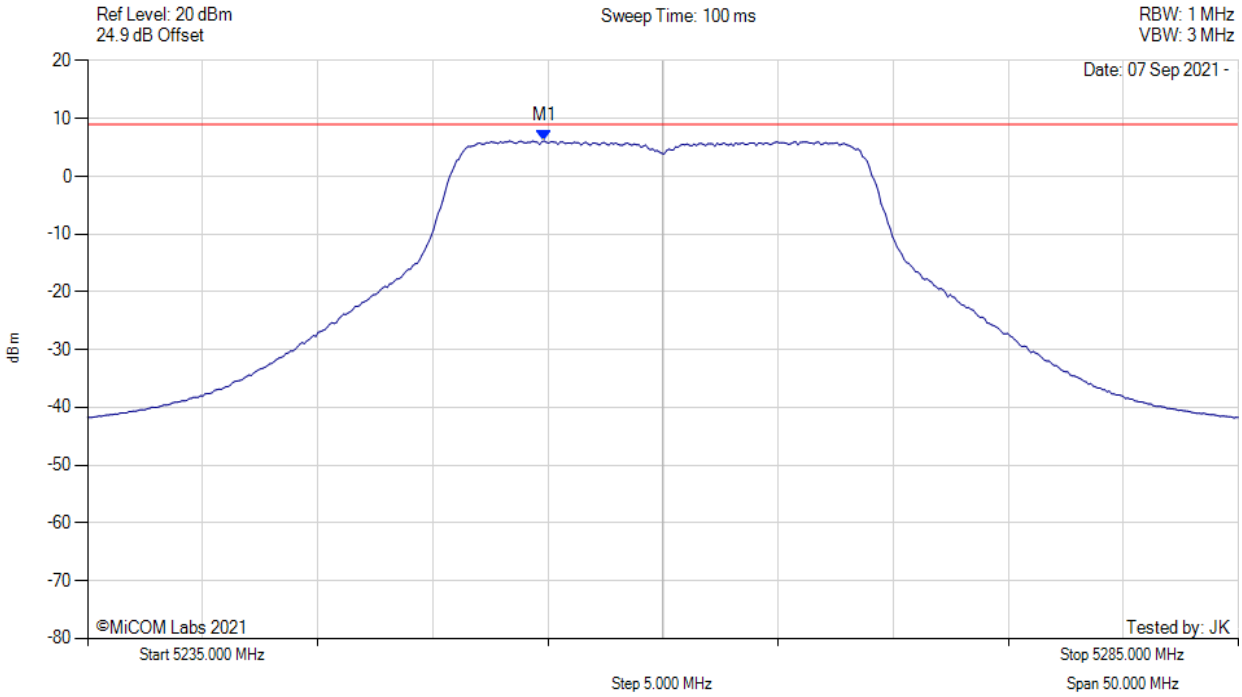


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5254.840 MHz : 6.120 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5260.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

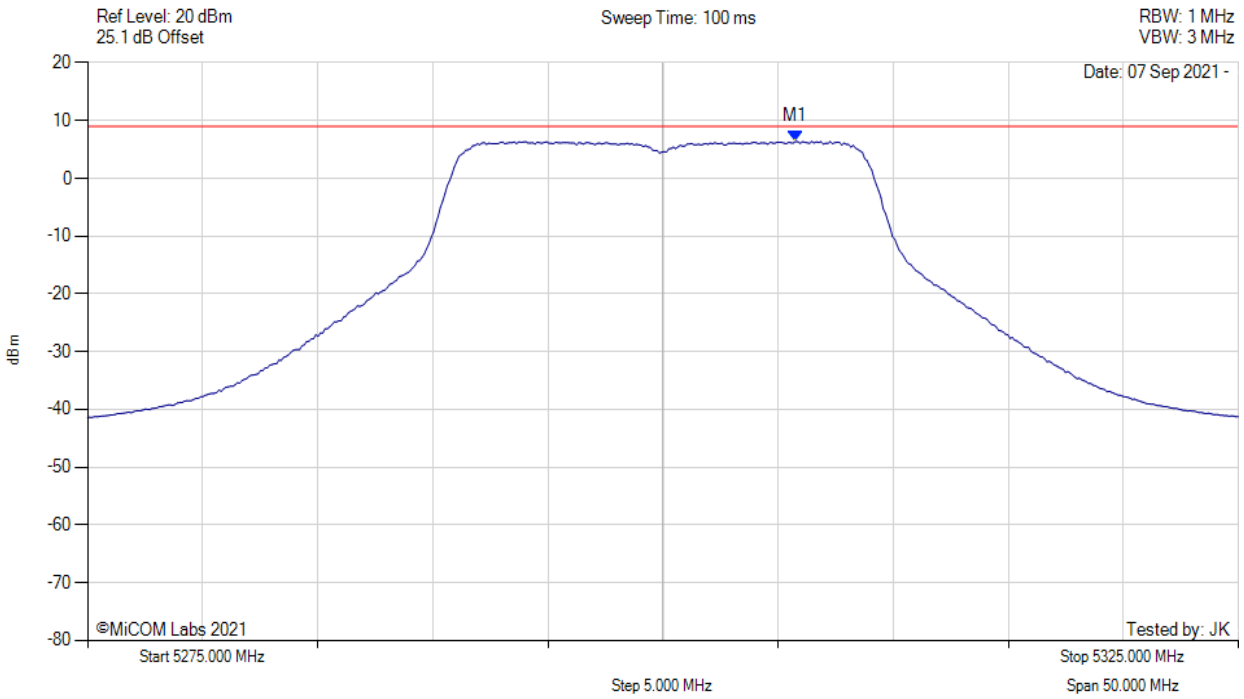


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5254.800 MHz : 6.120 dBm M1 + DCCF : 5254.800 MHz : 6.403 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.6 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

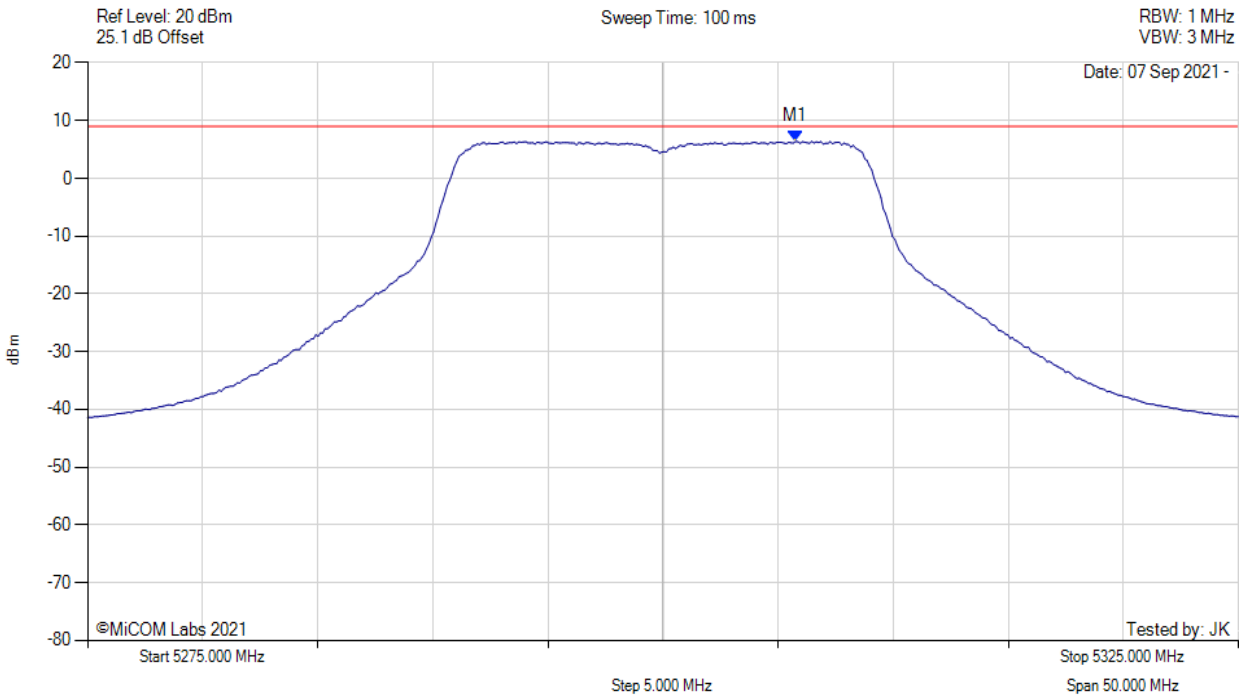


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.762 MHz : 6.396 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5300.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

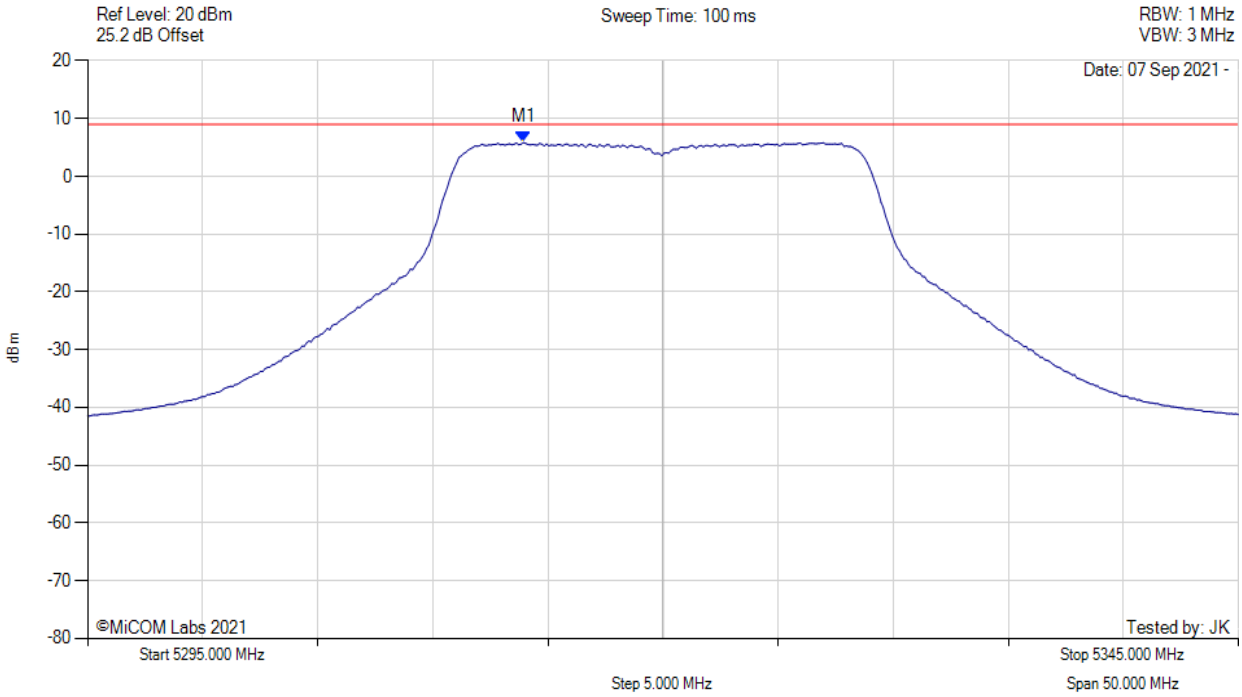


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5305.800 MHz : 6.396 dBm M1 + DCCF : 5305.800 MHz : 6.679 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.3 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

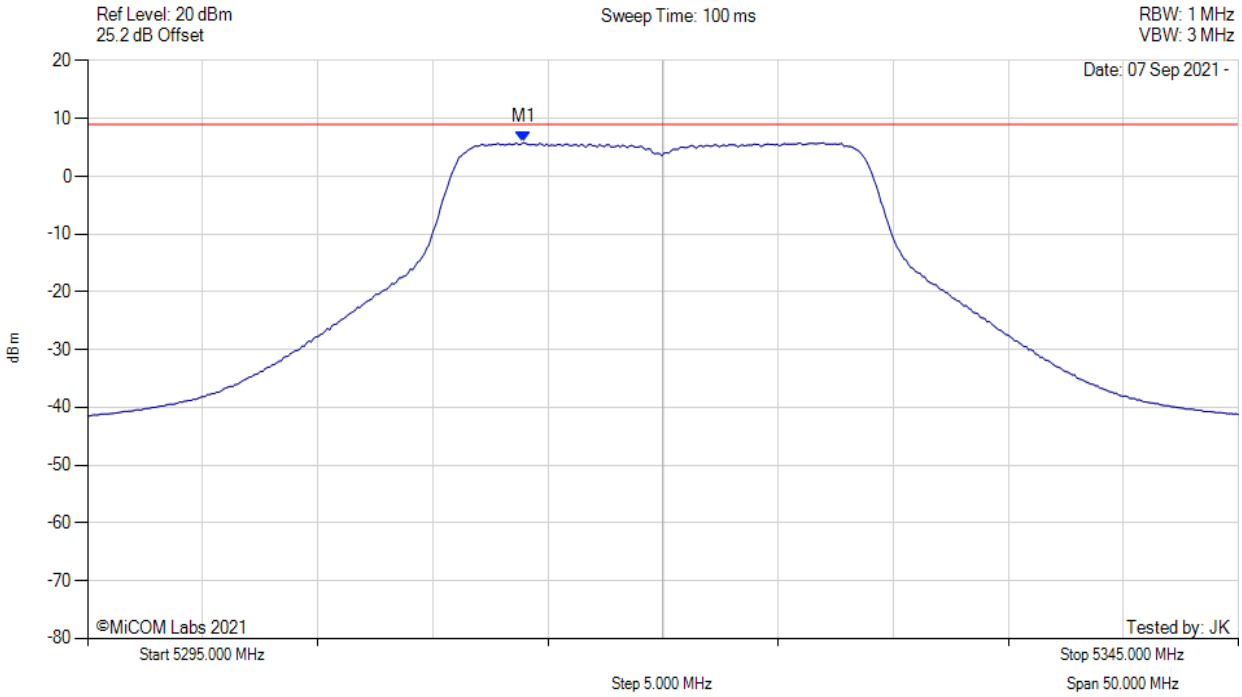


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.938 MHz : 5.852 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5320.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

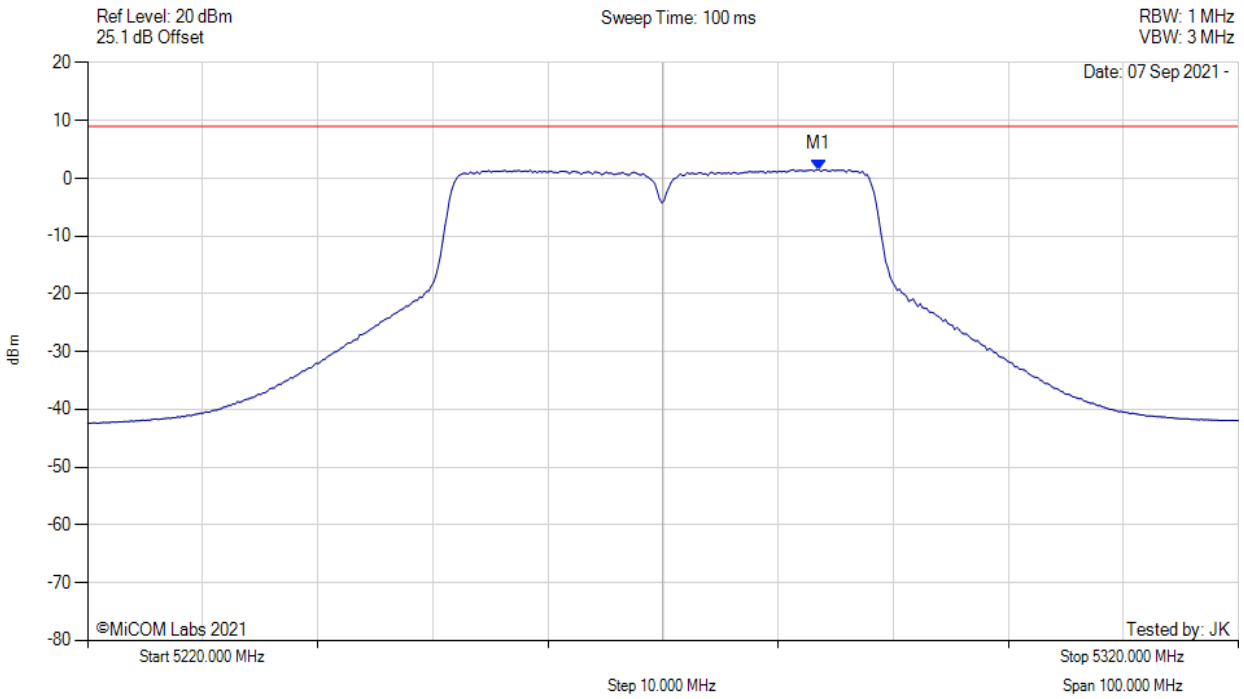


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.900 MHz : 5.852 dBm M1 + DCCF : 5313.900 MHz : 6.135 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

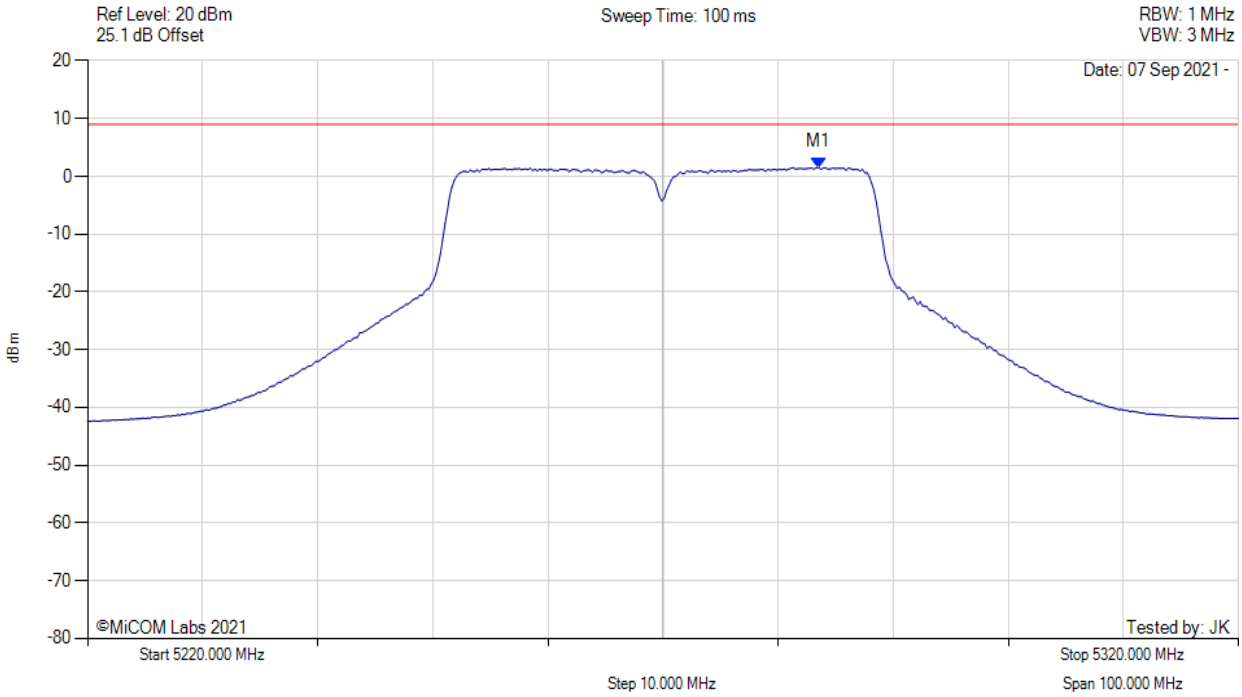


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5283.527 MHz : 1.524 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5270.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

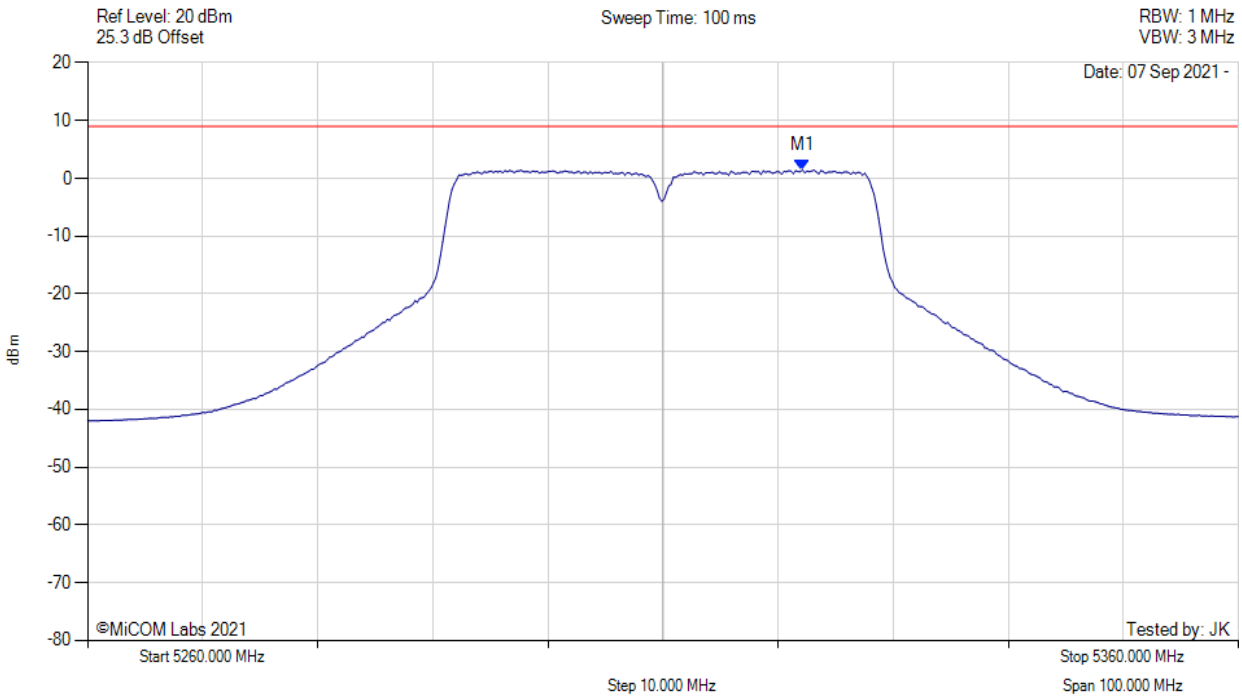


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5283.500 MHz : 1.524 dBm M1 + DCCF : 5283.500 MHz : 2.069 dBm Duty Cycle Correction Factor : +0.56 dB	Limit: ≤ 9.0 dBm Margin: -6.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

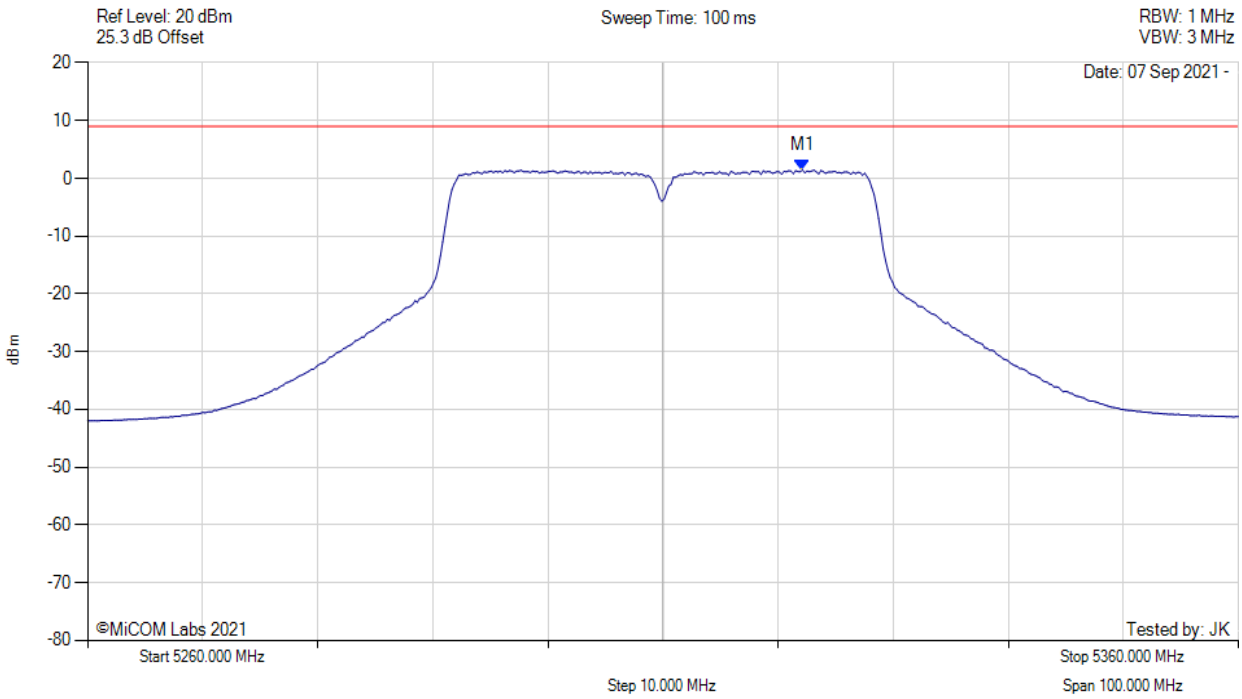


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5322.124 MHz : 1.449 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5310.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

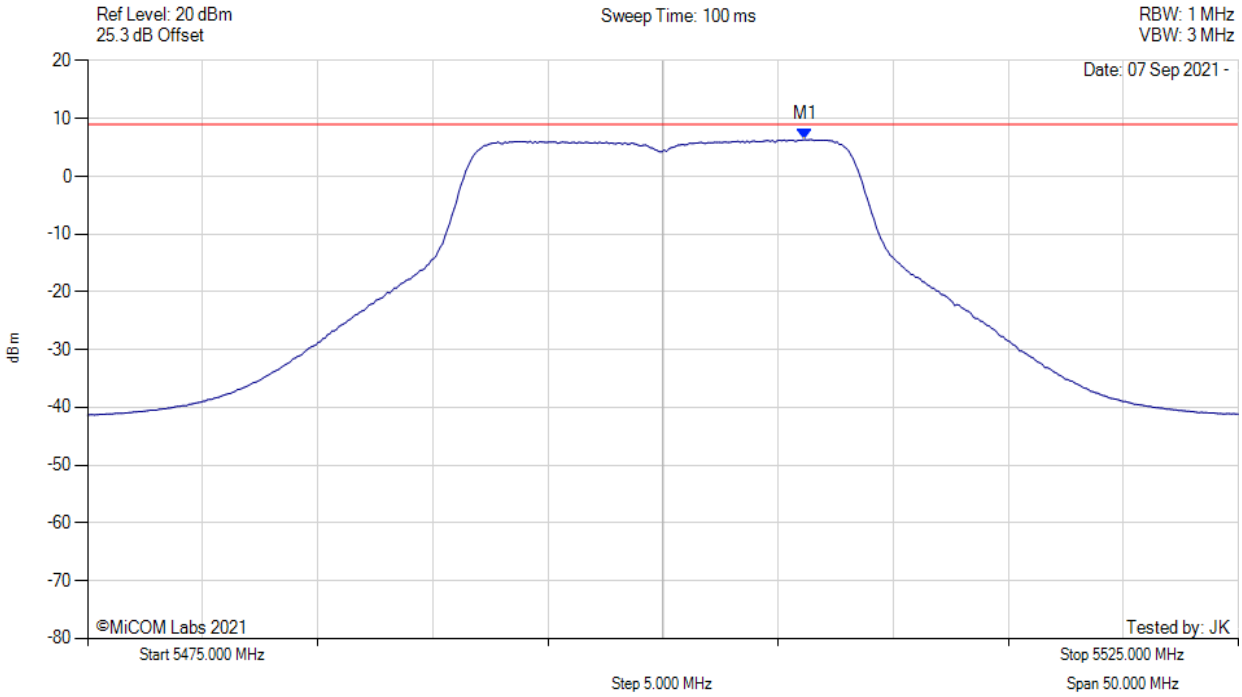


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5322.100 MHz : 1.449 dBm M1 + DCCF : 5322.100 MHz : 1.994 dBm Duty Cycle Correction Factor : +0.56 dB	Limit: ≤ 9.0 dBm Margin: -7.0 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

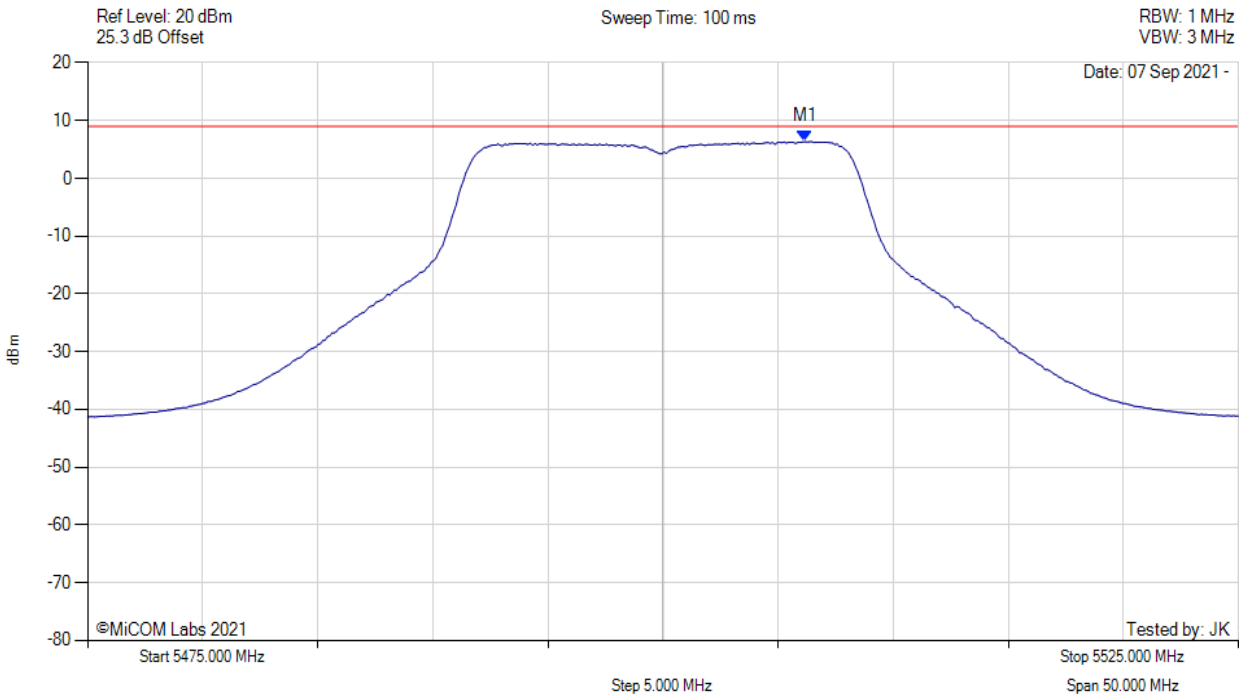


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5506.162 MHz : 6.348 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

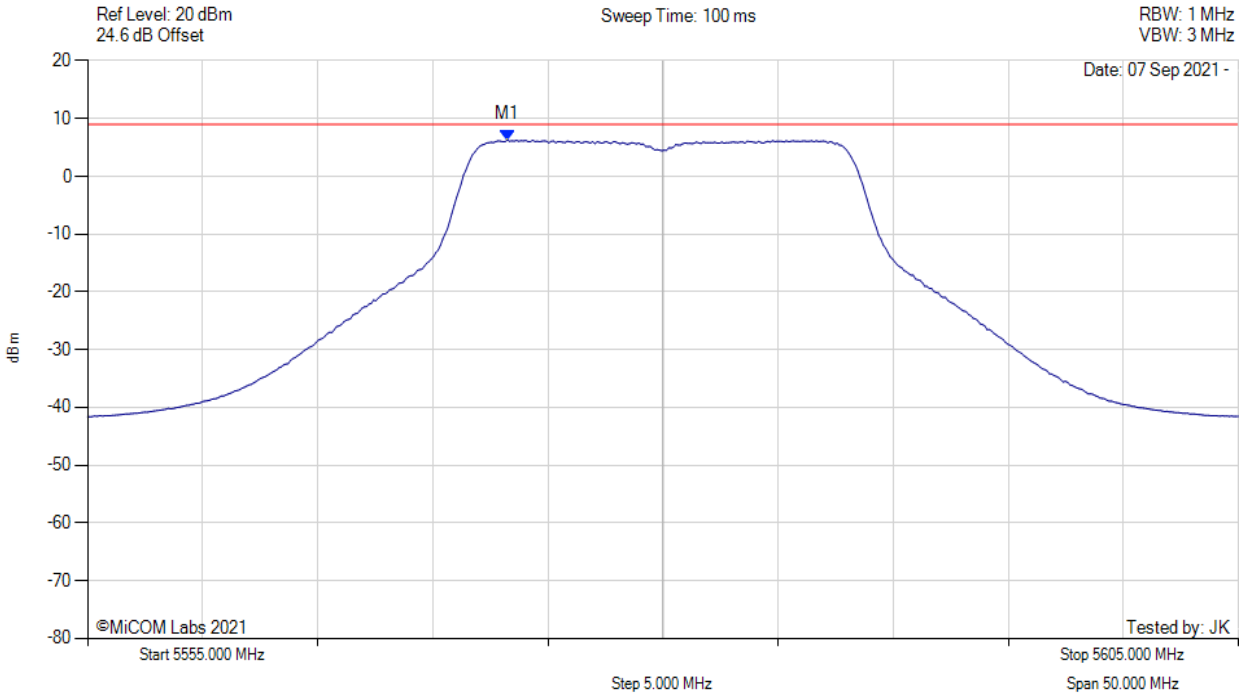


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5506.200 MHz : 6.348 dBm M1 + DCCF : 5506.200 MHz : 6.603 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.4 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

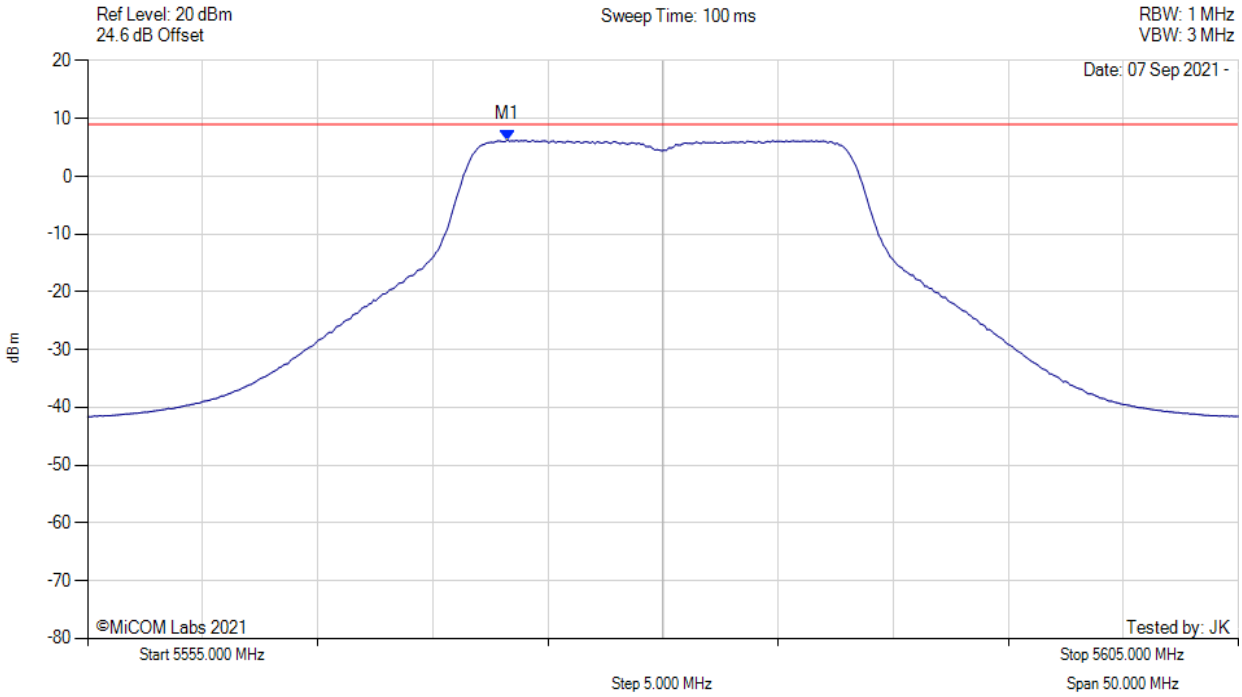


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.236 MHz : 6.306 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

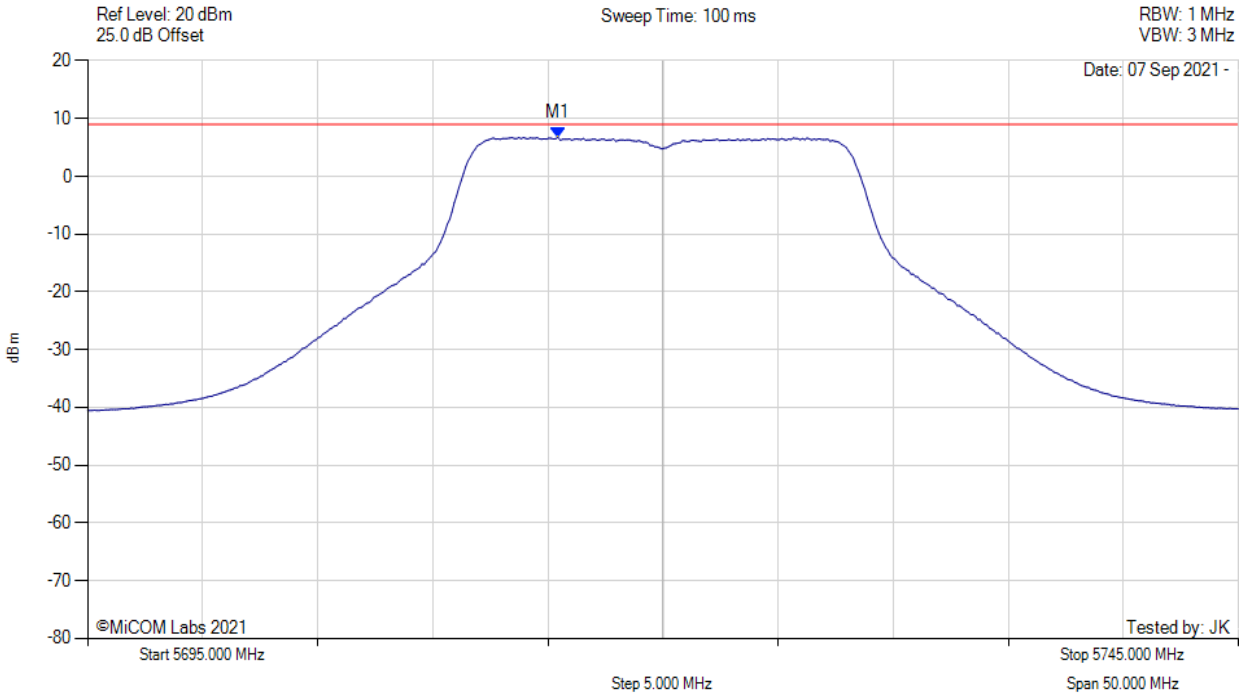


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.200 MHz : 6.306 dBm M1 + DCCF : 5573.200 MHz : 6.561 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.4 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

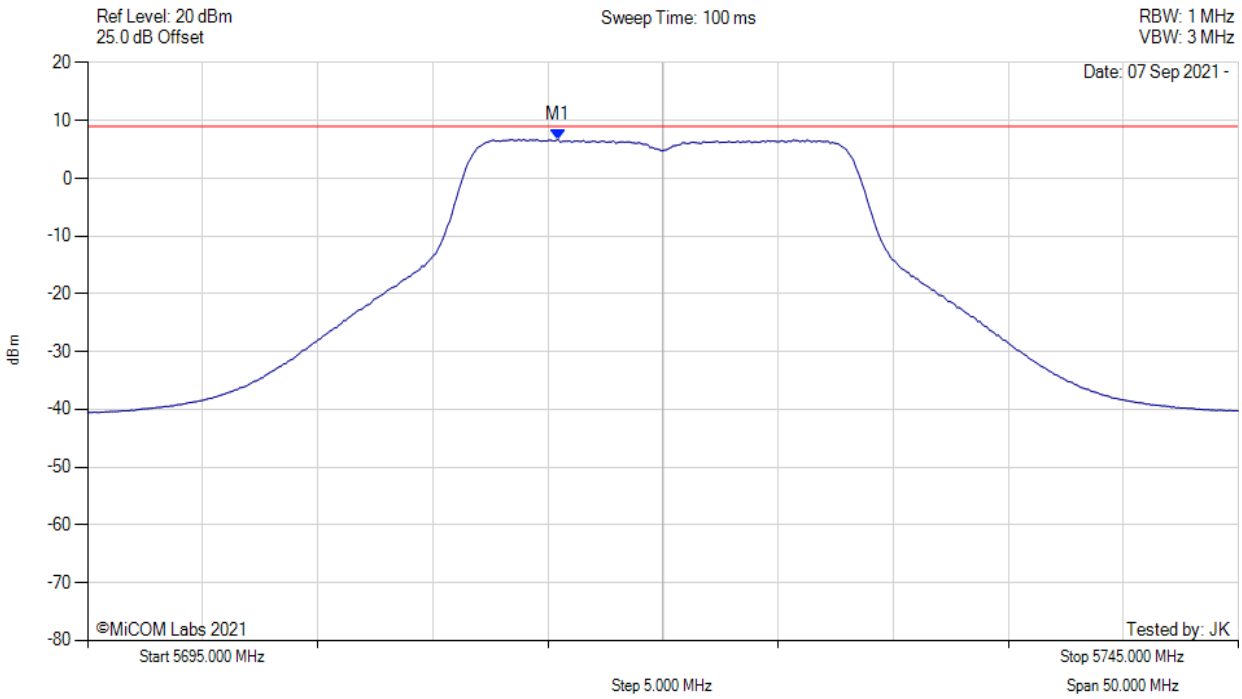


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5715.441 MHz : 6.747 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5720.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

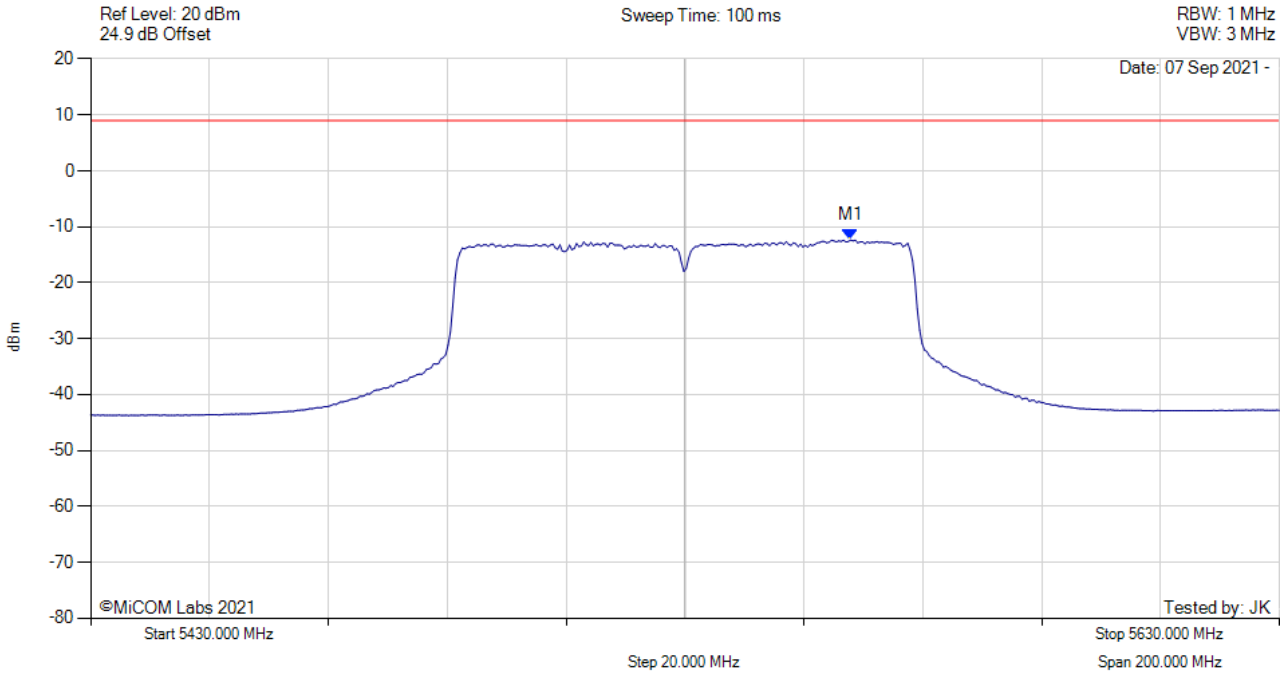


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5715.400 MHz : 6.747 dBm M1 + DCCF : 5715.400 MHz : 7.002 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.0 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

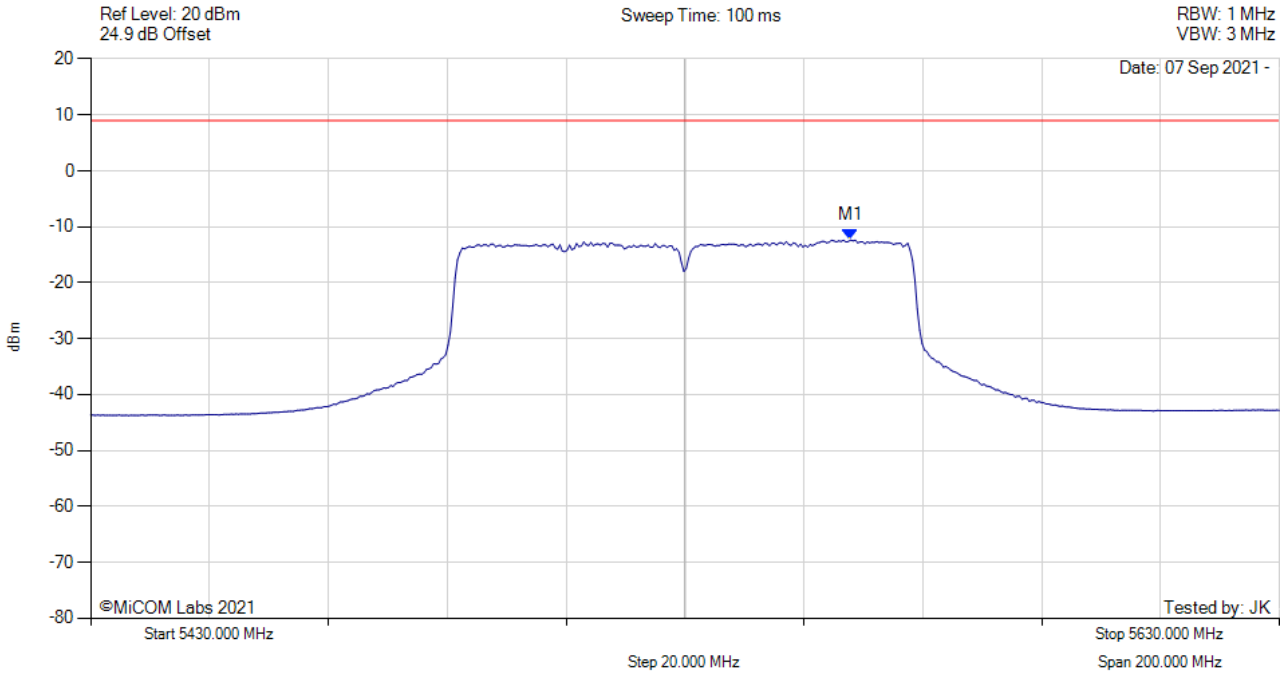


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5557.856 MHz : -12.353 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5530.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

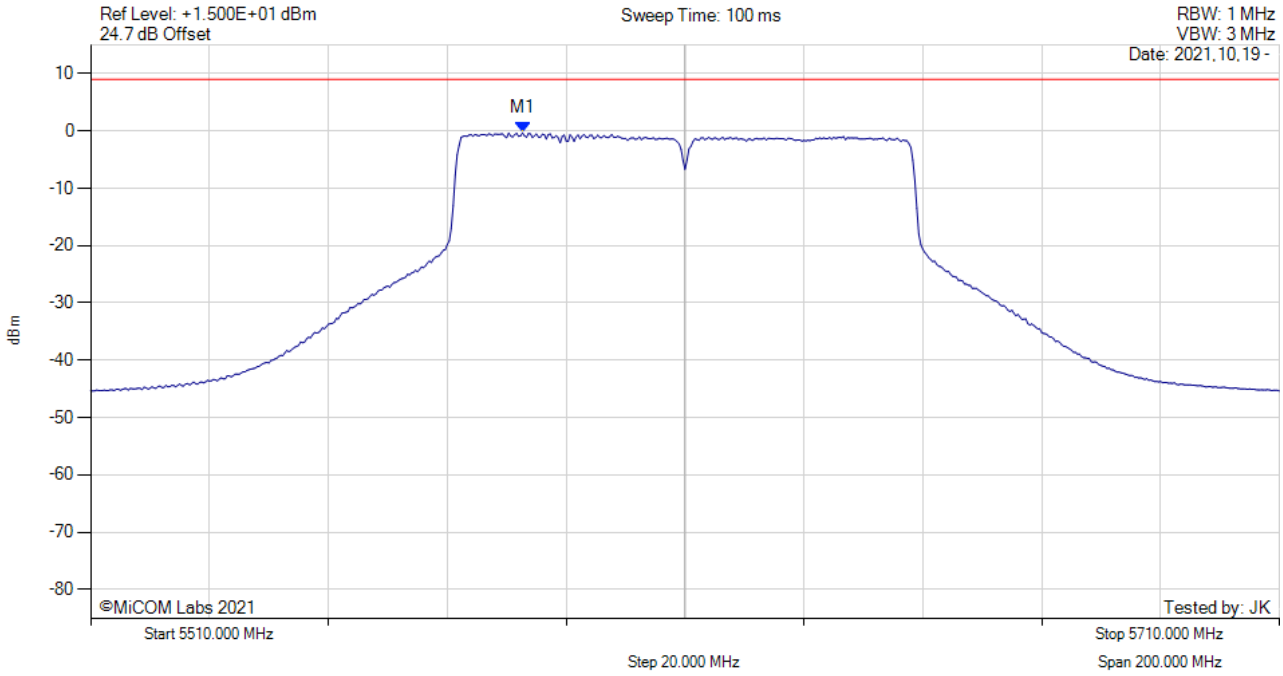


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5557.900 MHz : -12.353 dBm M1 + DCCF : 5557.900 MHz : -11.362 dBm Duty Cycle Correction Factor : +0.97 dB	Limit: ≤ 9.0 dBm Margin: -20.4 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

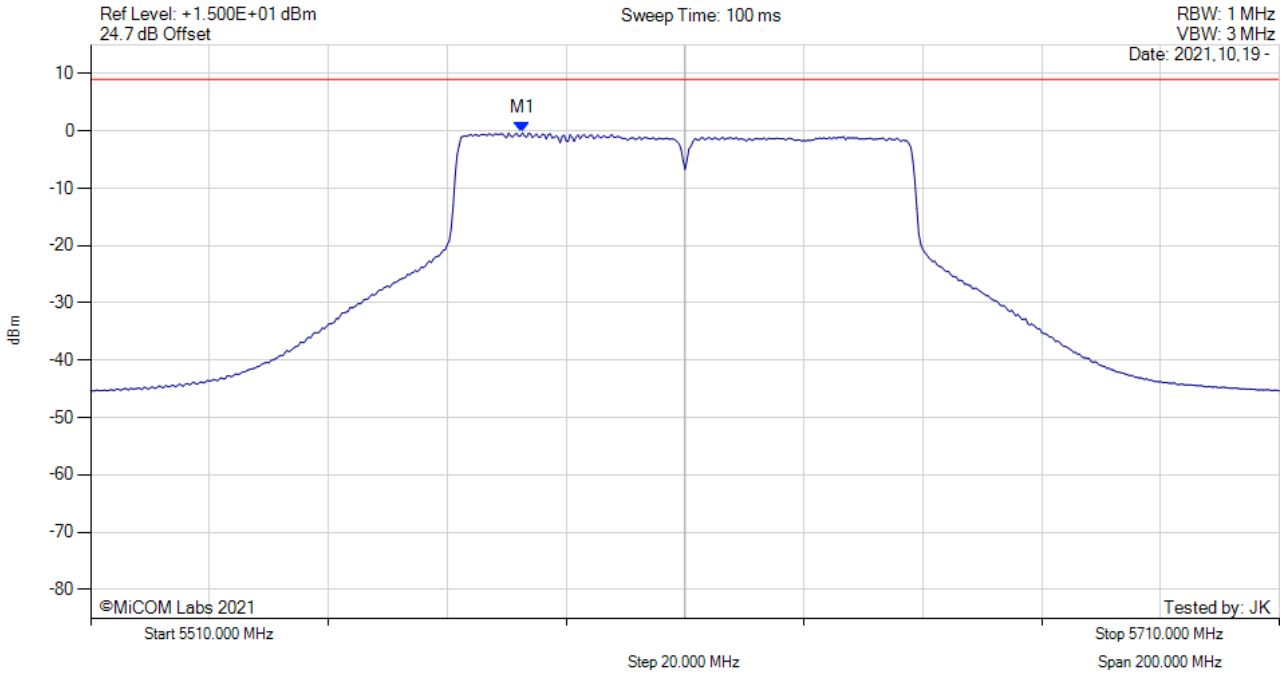


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5582.700 MHz : -0.309 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5610.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

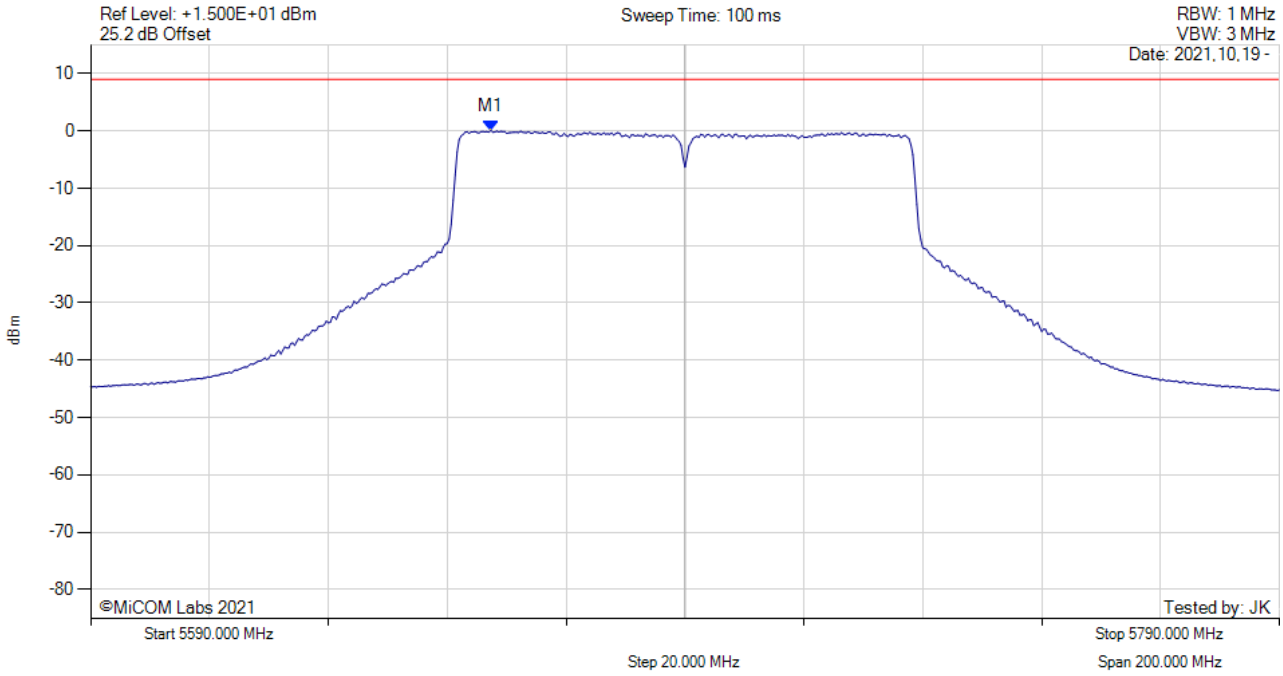


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5582.700 MHz : -0.309 dBm M1 + DCCF : 5582.700 MHz : 0.682 dBm Duty Cycle Correction Factor : +0.97 dB	Limit: ≤ 9.0 dBm Margin: -8.3 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

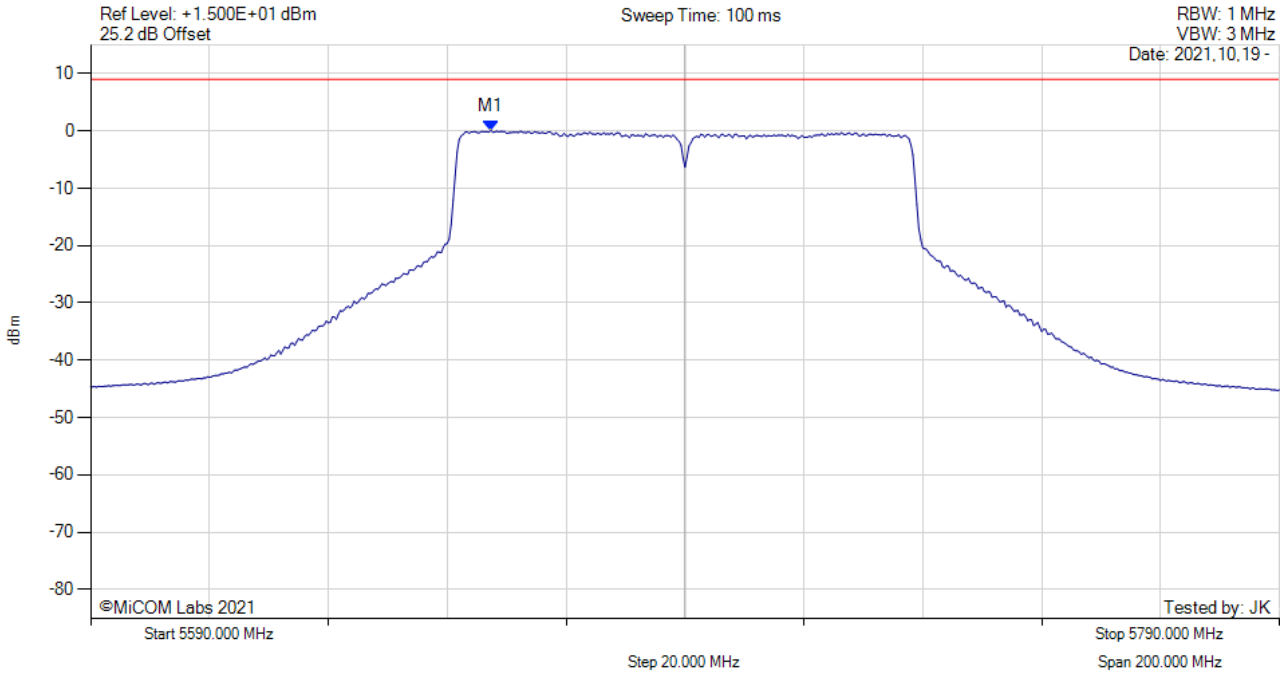


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5657.300 MHz : 0.076 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5690.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

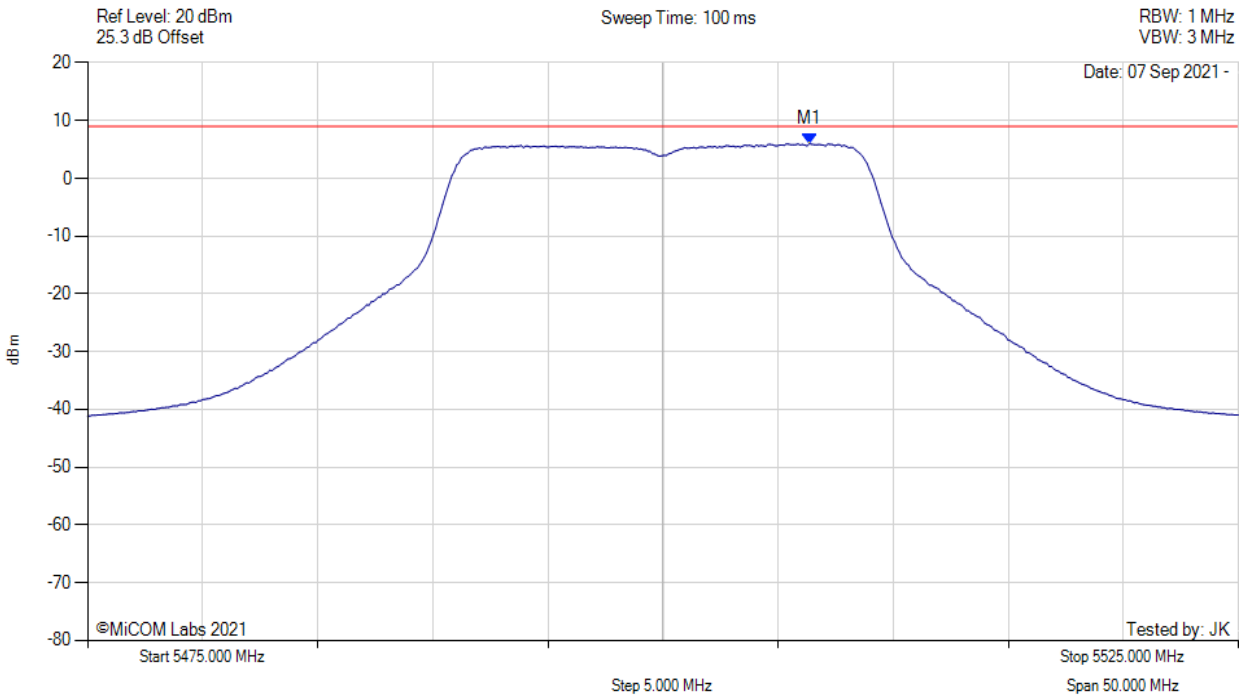


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5657.300 MHz : 0.076 dBm M1 + DCCF : 5657.300 MHz : 1.067 dBm Duty Cycle Correction Factor : +0.97 dB	Limit: ≤ 9.0 dBm Margin: -7.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

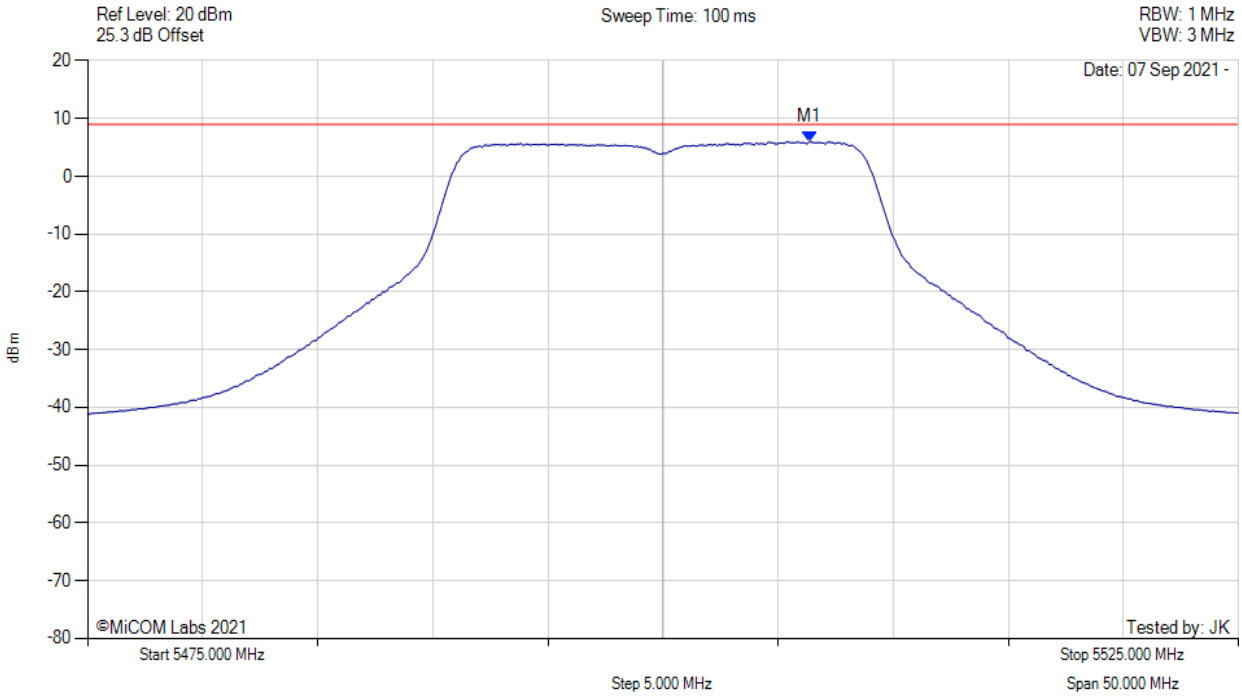


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5506.363 MHz : 5.993 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5500.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

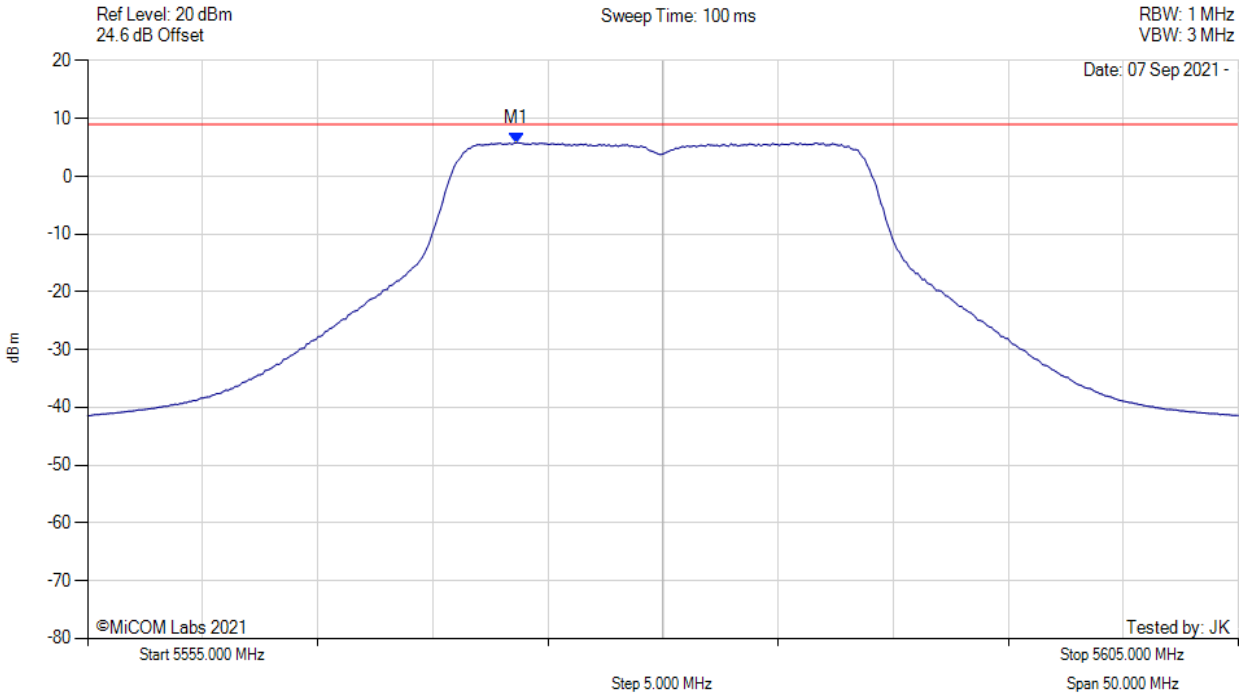


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5506.400 MHz : 5.993 dBm M1 + DCCF : 5506.400 MHz : 6.276 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.7 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

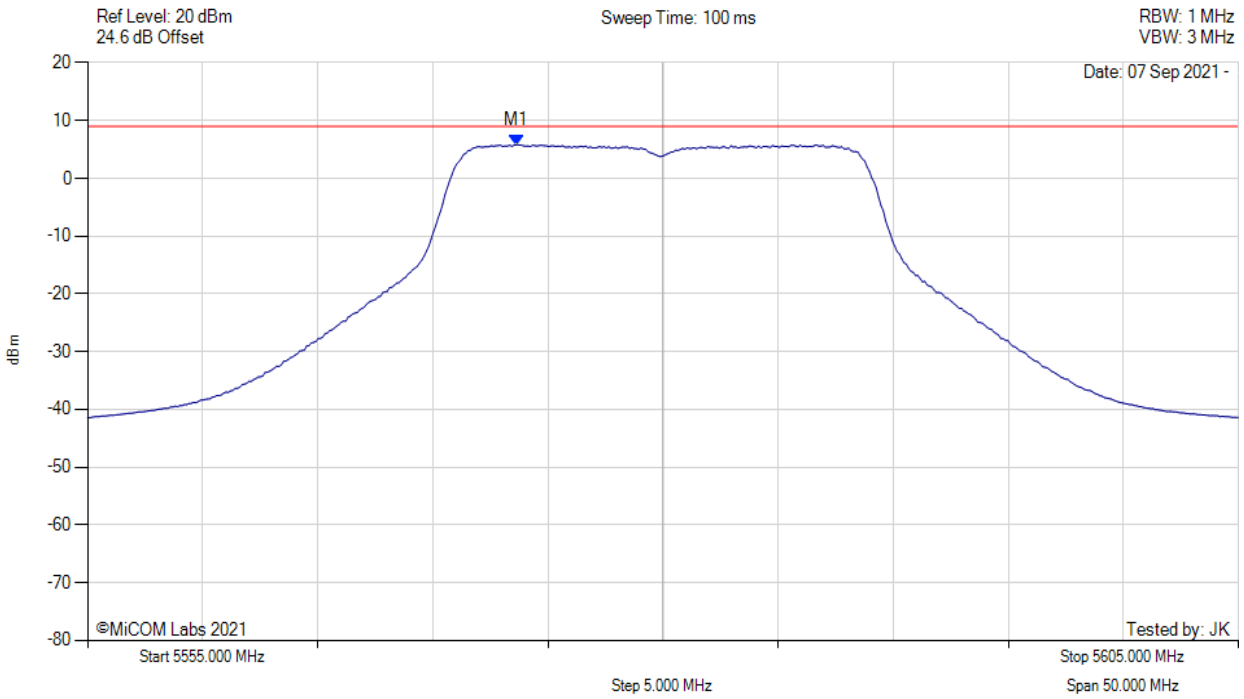


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.637 MHz : 5.799 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5580.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

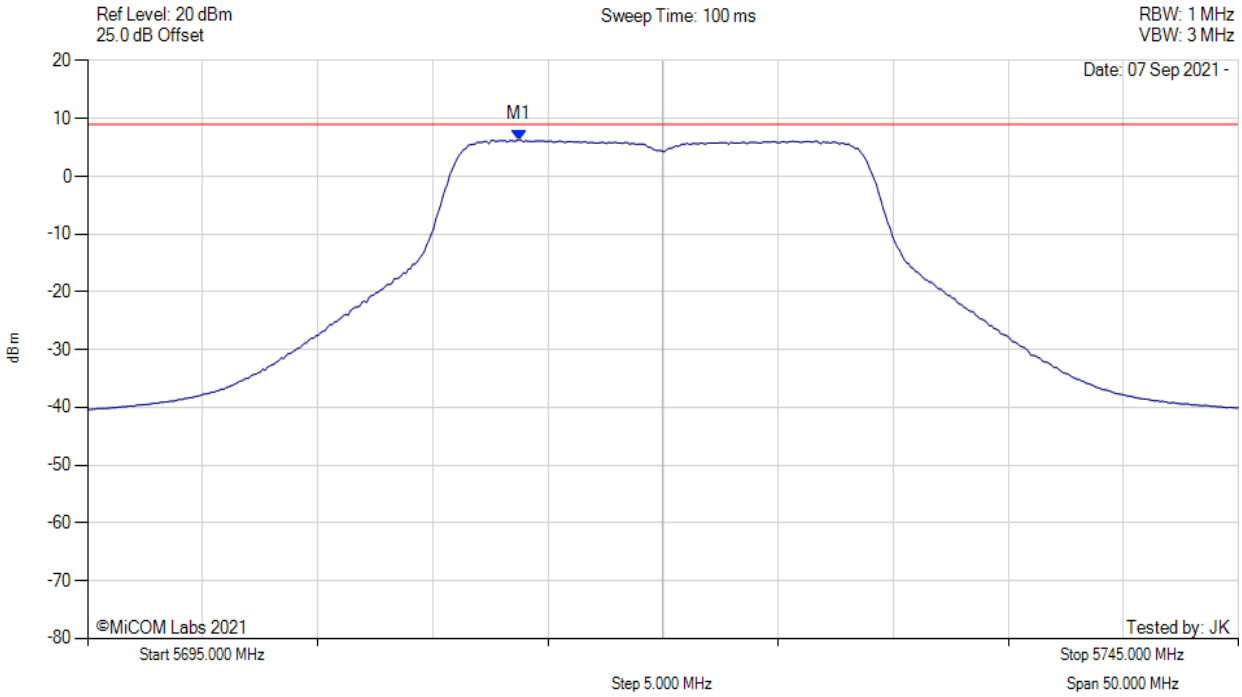


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5573.600 MHz : 5.799 dBm M1 + DCCF : 5573.600 MHz : 6.054 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.9 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

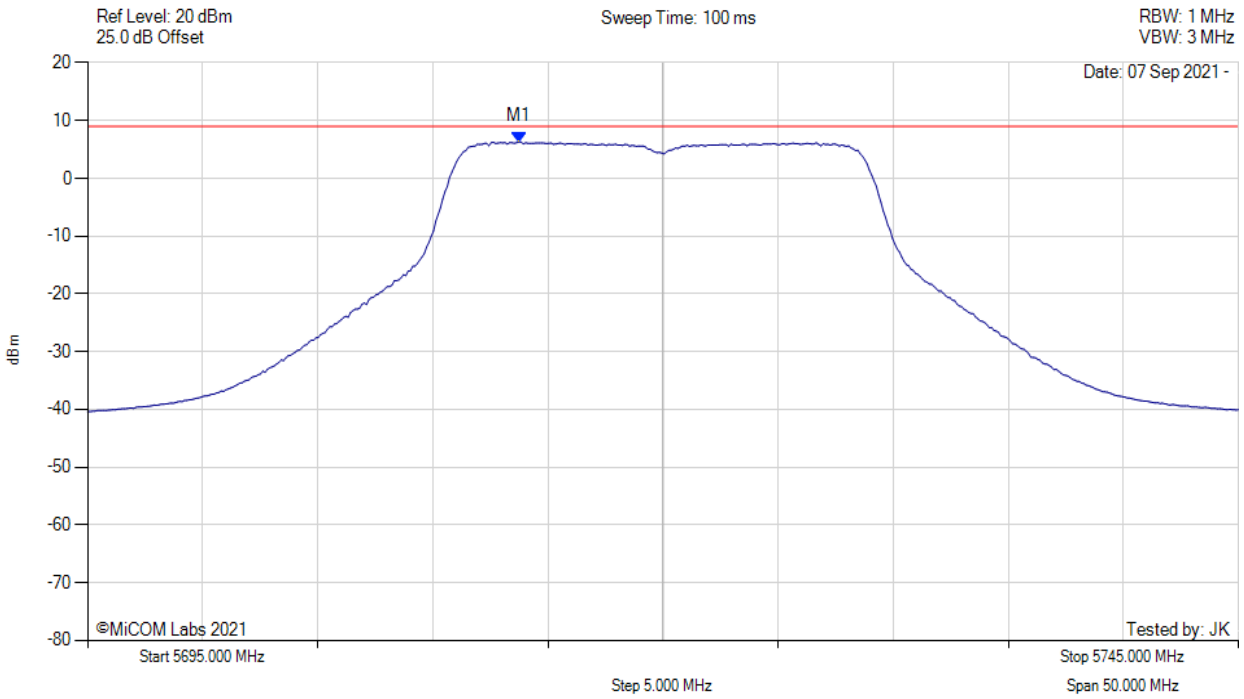


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.737 MHz : 6.311 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5720.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

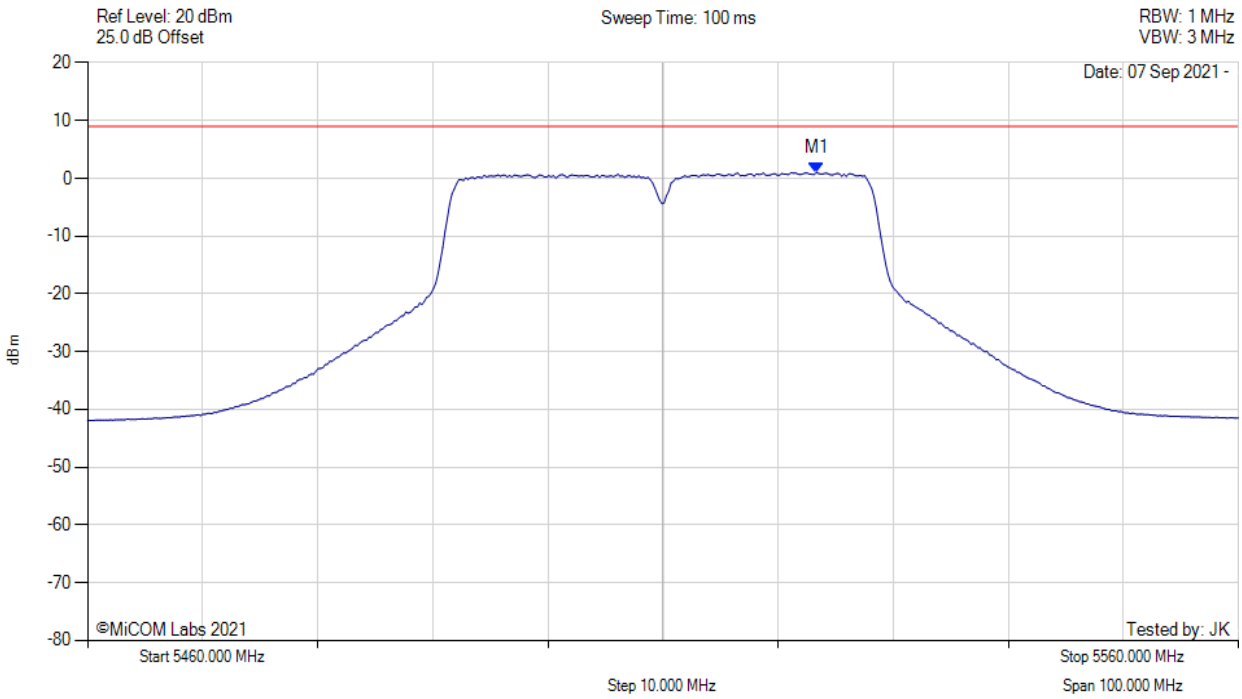


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5713.700 MHz : 6.311 dBm M1 + DCCF : 5713.700 MHz : 6.566 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 9.0 dBm Margin: -2.4 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

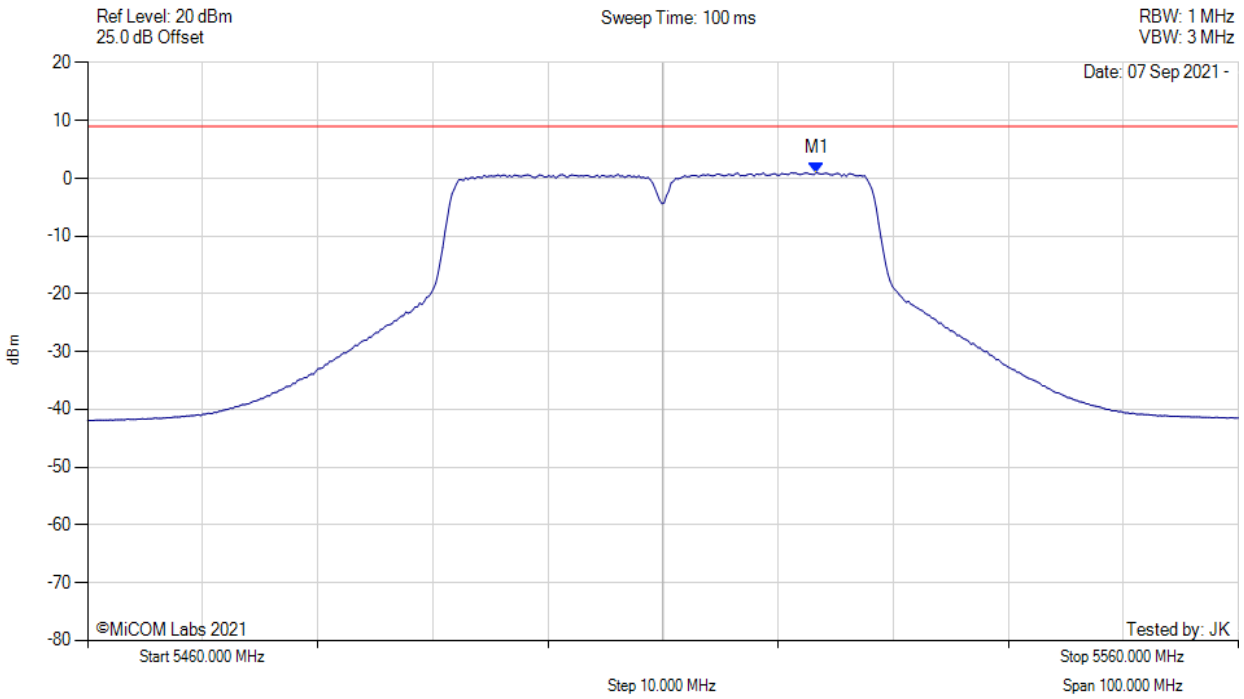


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5523.327 MHz : 0.995 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5510.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

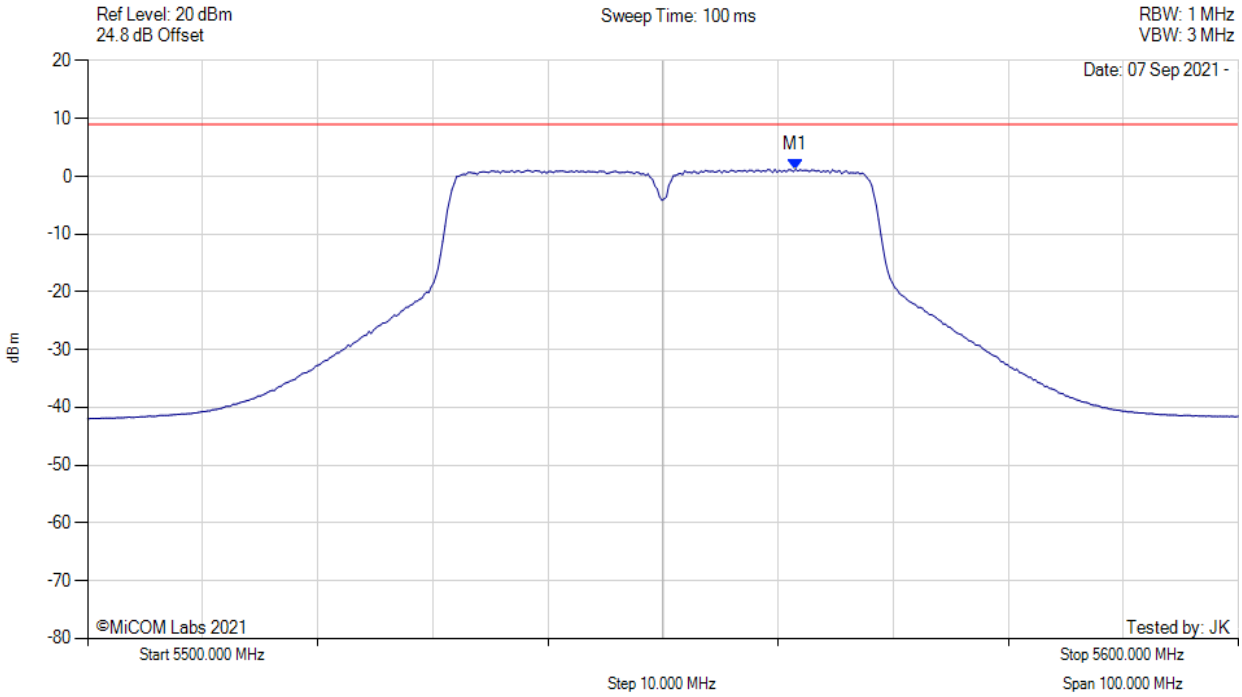


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5523.300 MHz : 0.995 dBm M1 + DCCF : 5523.300 MHz : 1.540 dBm Duty Cycle Correction Factor : +0.56 dB	Limit: ≤ 9.0 dBm Margin: -7.5 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

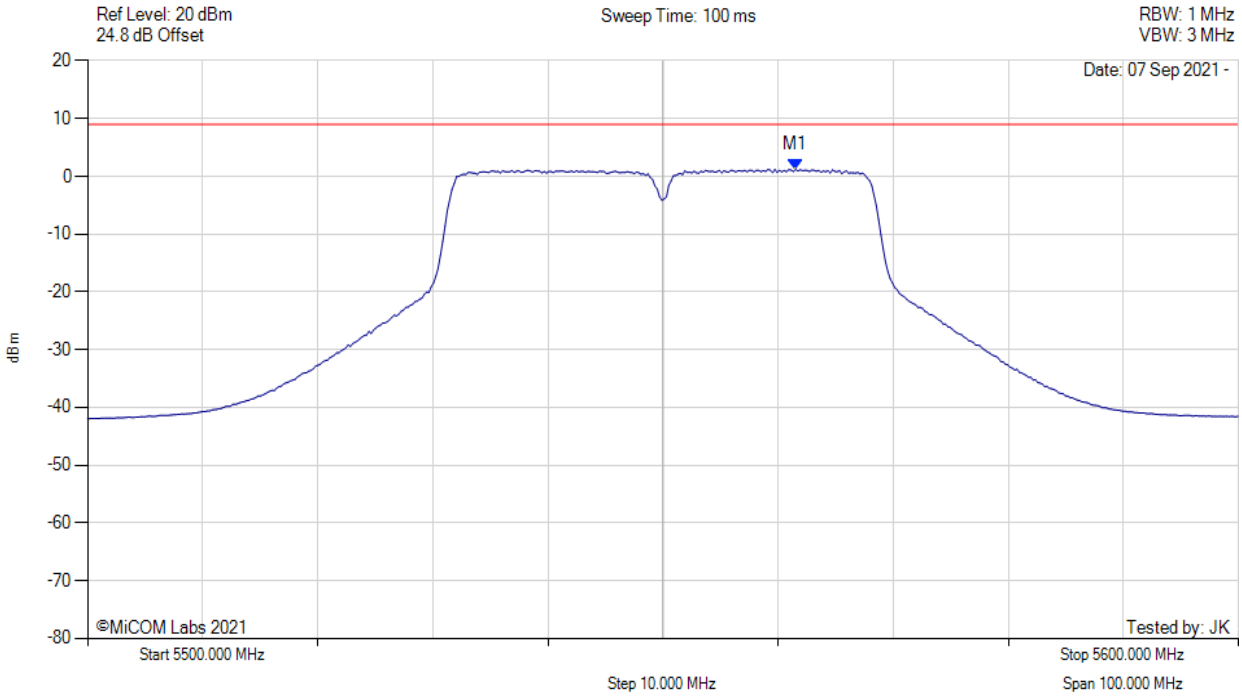


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5561.523 MHz : 1.202 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5550.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc

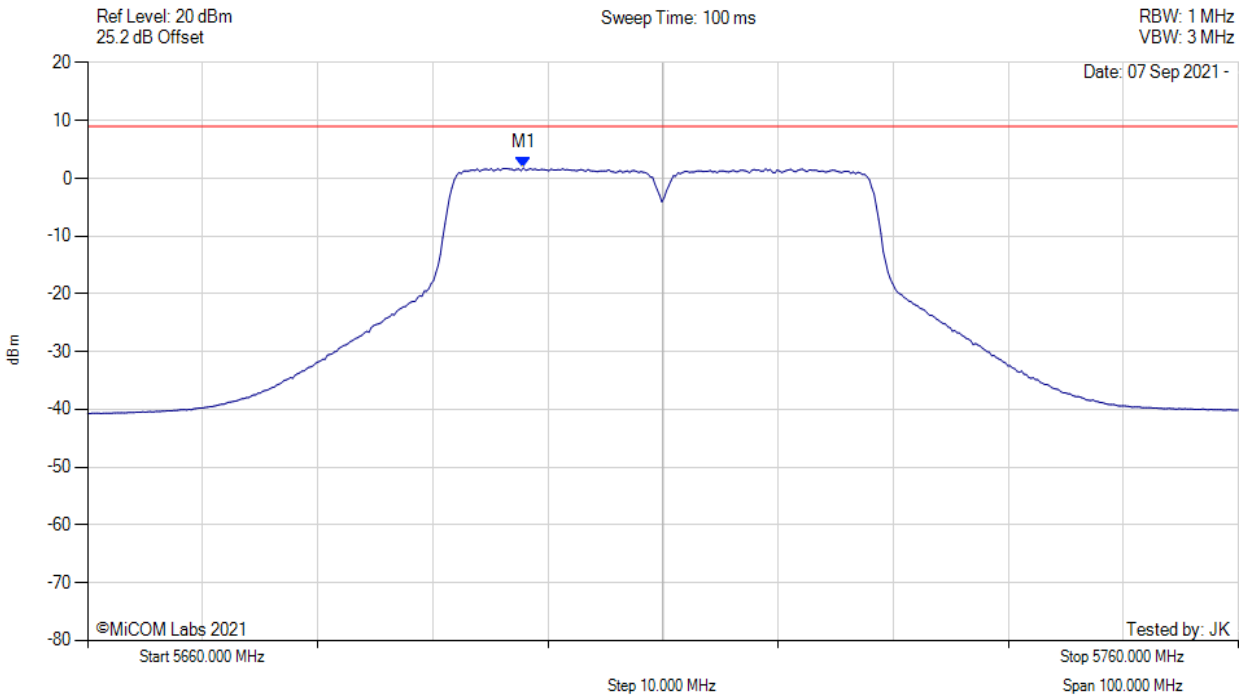


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5561.500 MHz : 1.202 dBm M1 + DCCF : 5561.500 MHz : 1.747 dBm Duty Cycle Correction Factor : +0.56 dB	Limit: ≤ 9.0 dBm Margin: -7.3 dB

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain a, Temp: 20, Voltage: 24 Vdc

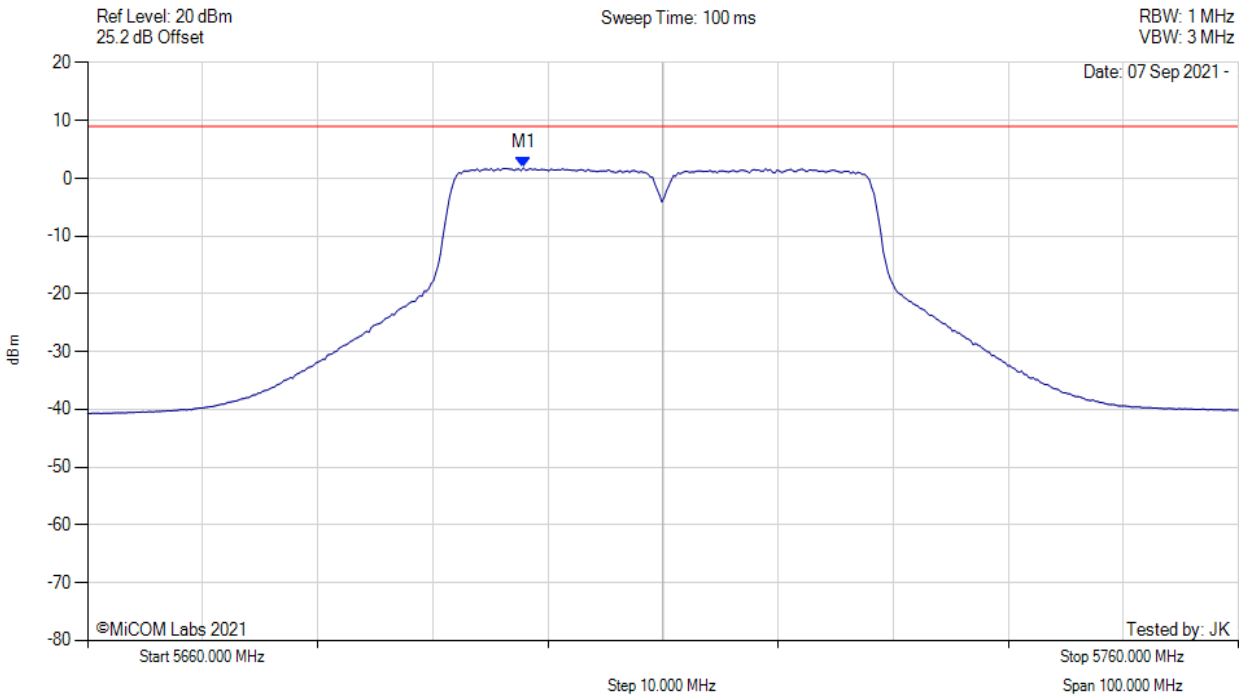


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5697.876 MHz : 1.806 dBm	Limit: ≤ 9.000 dBm

back to matrix

POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5710.00 MHz, SUM, Temp: 20, Voltage: 24 Vdc



Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5697.900 MHz : 1.806 dBm M1 + DCCF : 5697.900 MHz : 2.351 dBm Duty Cycle Correction Factor : +0.56 dB	Limit: ≤ 9.0 dBm Margin: -6.6 dB

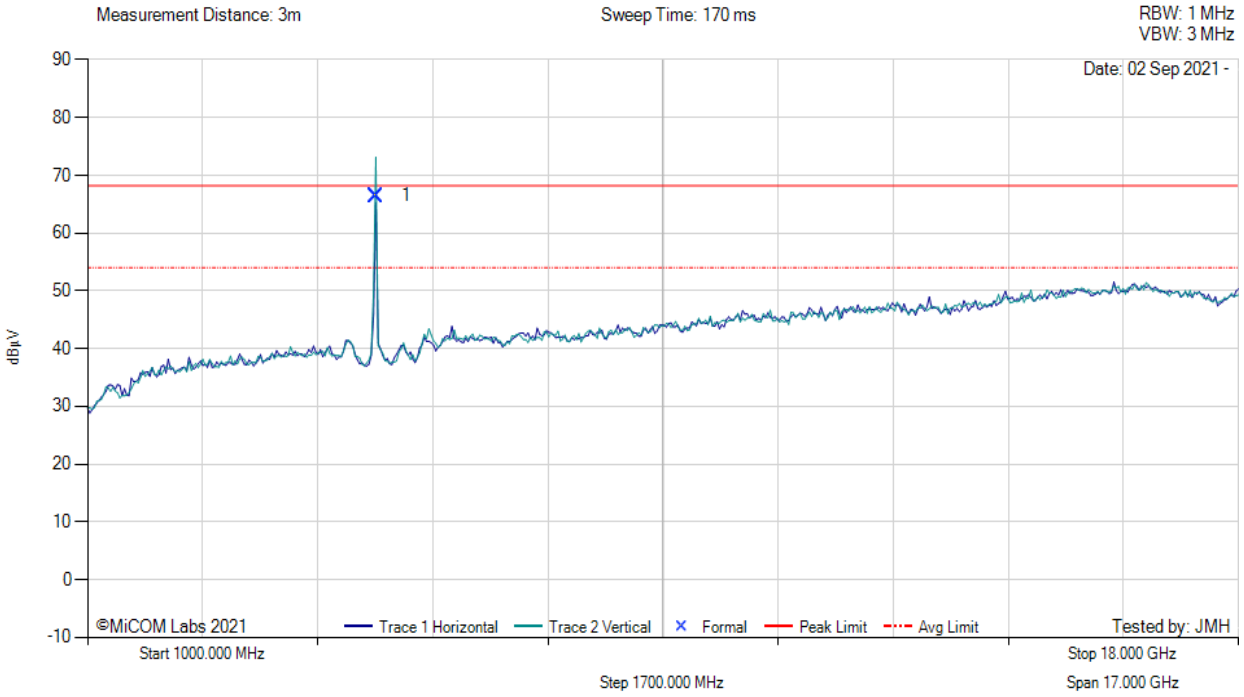
back to matrix

A.3. Radiated

A.3.1. TX Spurious & Restricted Band Emissions

TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 99



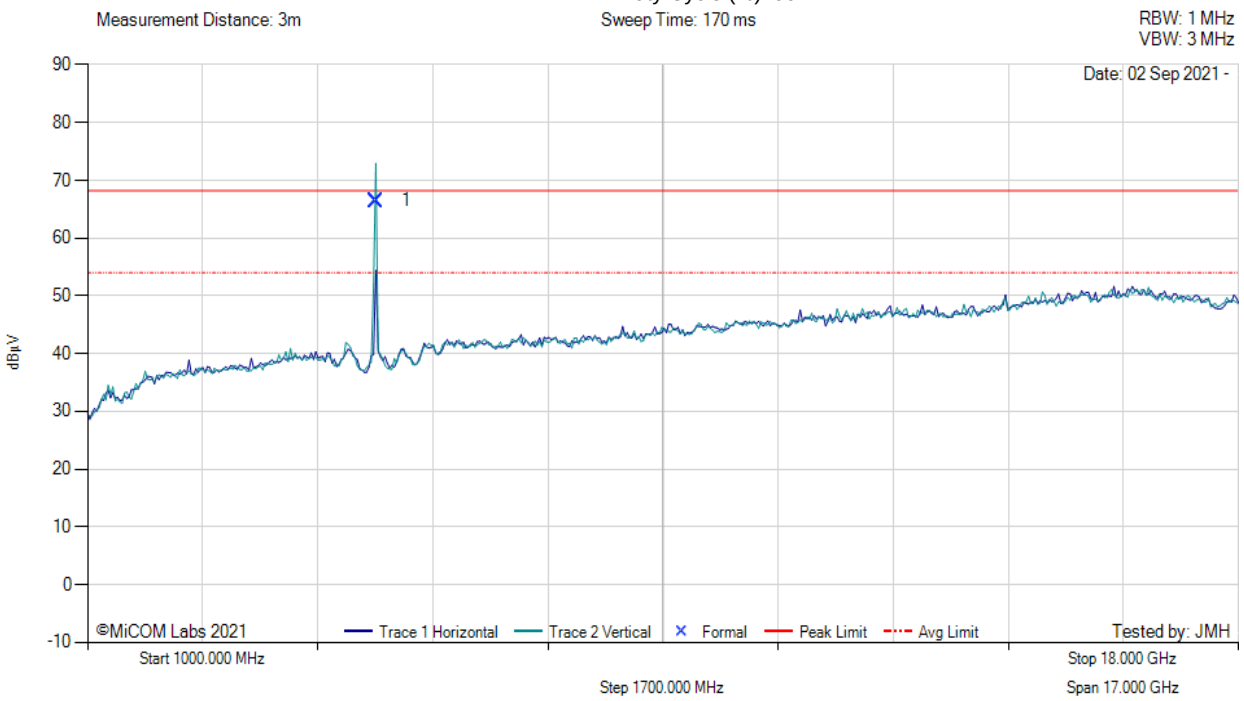
1000.00 - 18000.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5262.76	75.76	2.90	-12.24	66.42	Fundamental	Vertical	100	0	--	--	

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

back to matrix

TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 99



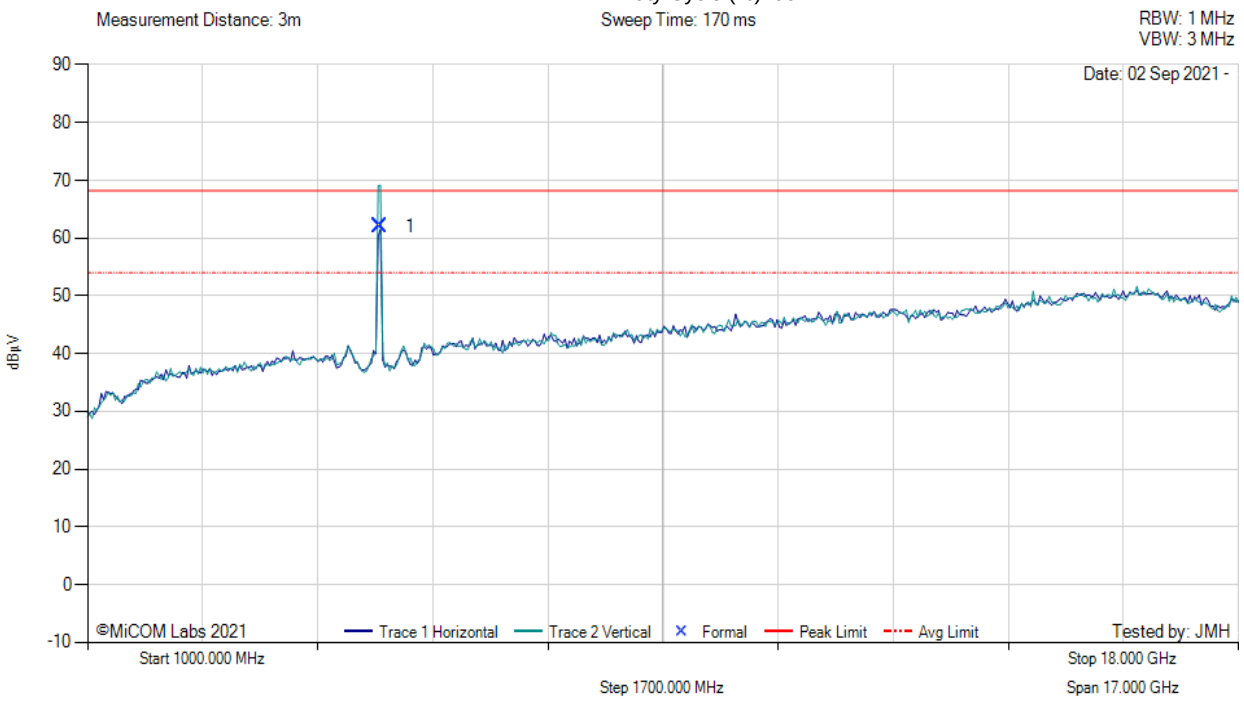
1000.00 - 18000.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	5266.18	75.82	2.90	-12.22	66.50	Fundamental	Vertical	100	0	--	--	

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

back to matrix

TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 99



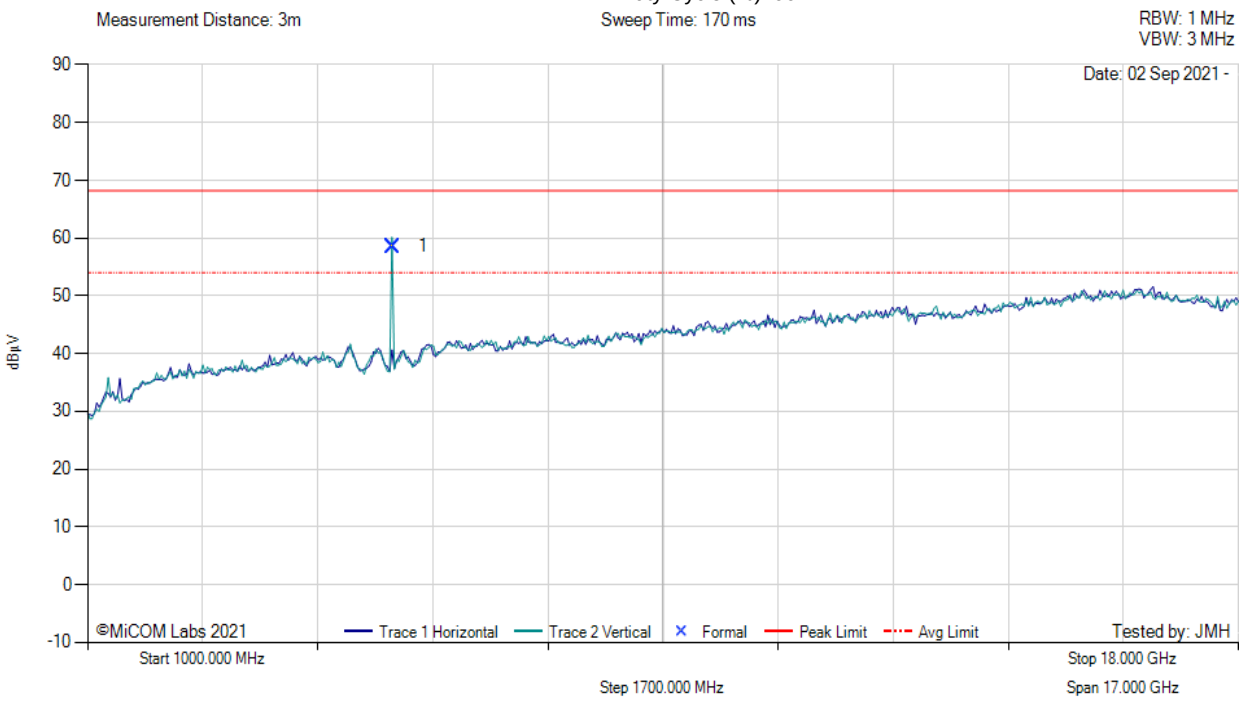
1000.00 - 18000.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	5321.86	71.06	2.97	-11.99	62.04	Fundamental	Vertical	100	0	--	--	

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

back to matrix

TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 99



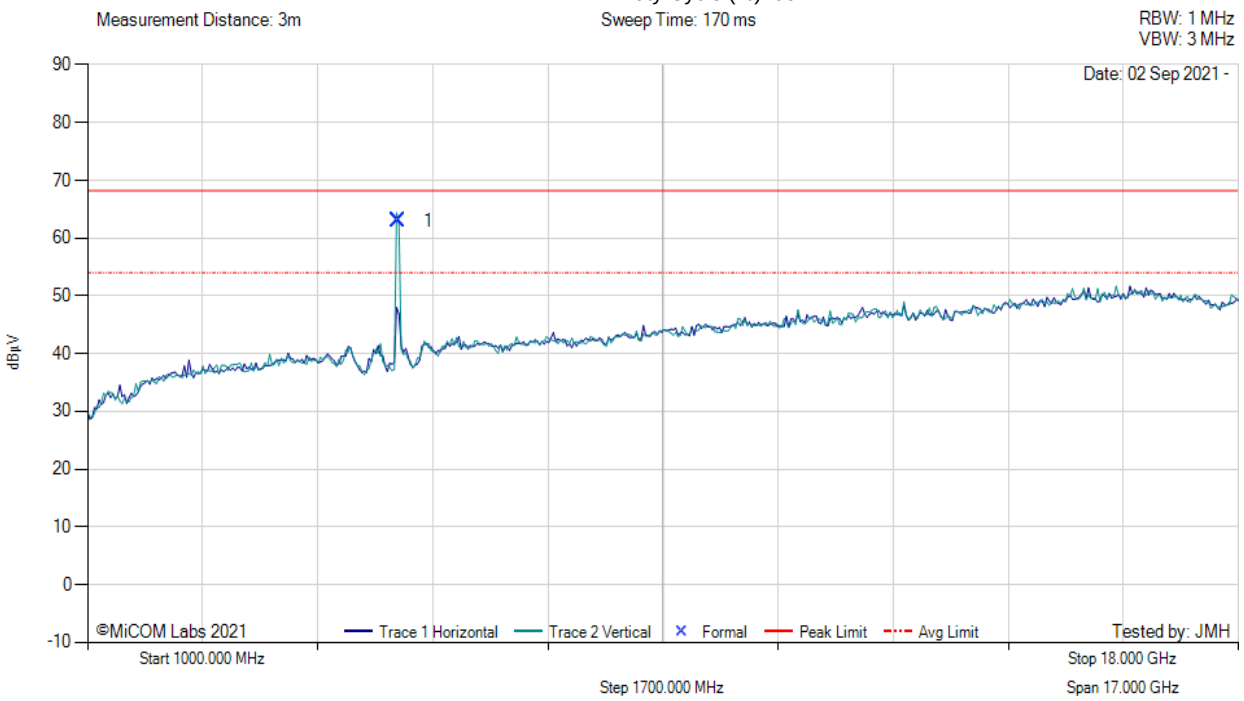
1000.00 - 18000.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	5502.12	67.13	3.05	-11.64	58.54	Fundamental	Vertical	150	0	--	--	

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

back to matrix

TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 99



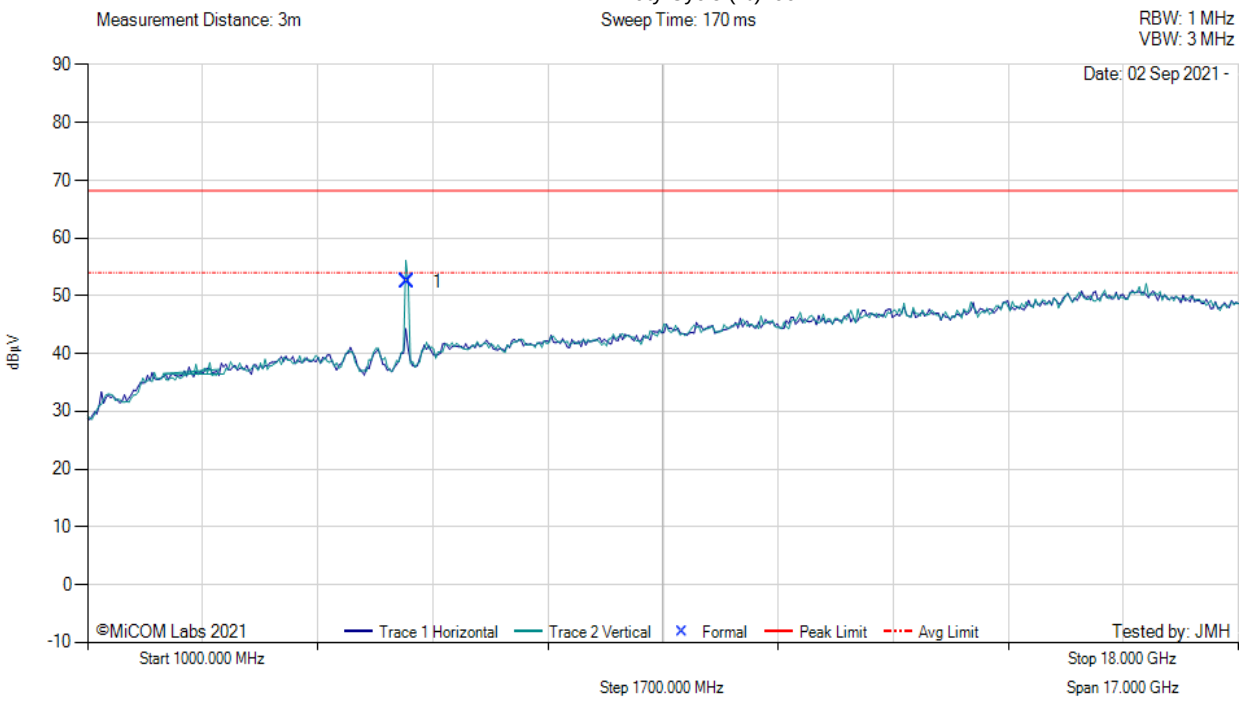
1000.00 - 18000.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	5579.18	71.34	3.18	-11.56	62.96	Fundamental	Vertical	150	0	--	--	

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

back to matrix

TX SPURIOUS & RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, 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	5715.79	60.49	3.17	-11.28	52.38	Fundamental	Vertical	152	0	--	--	

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

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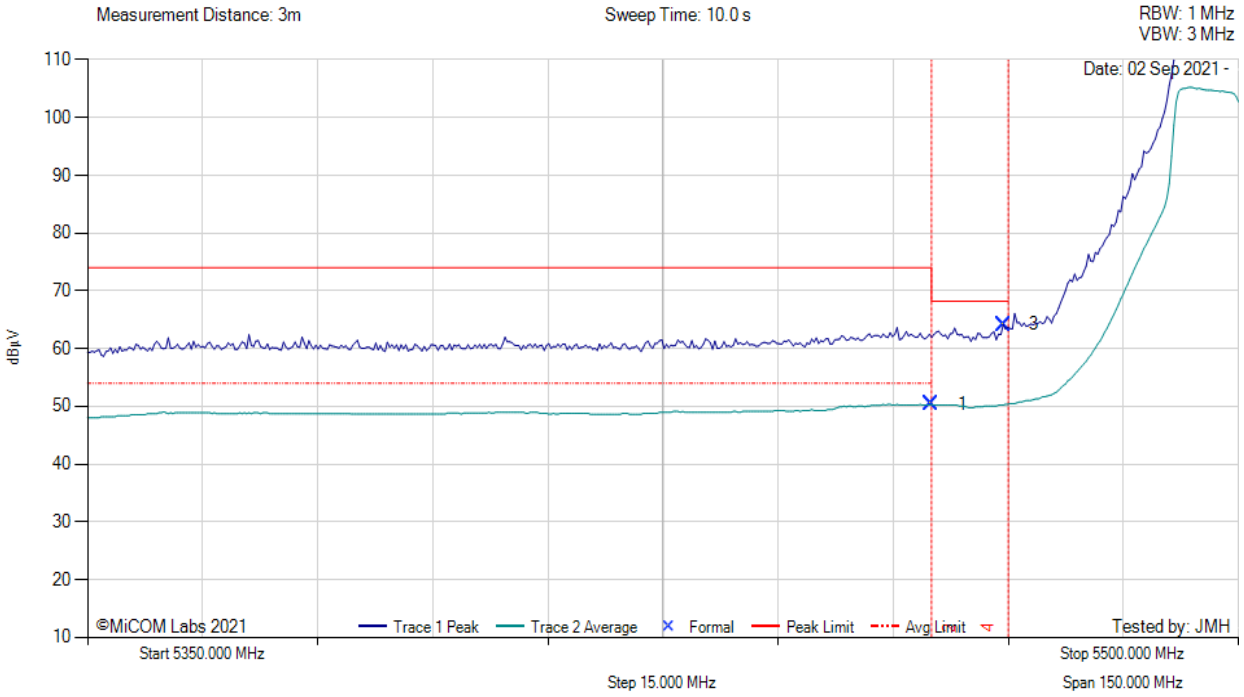
A.3.2. Restricted Edge & Band-Edge Emissions

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 99



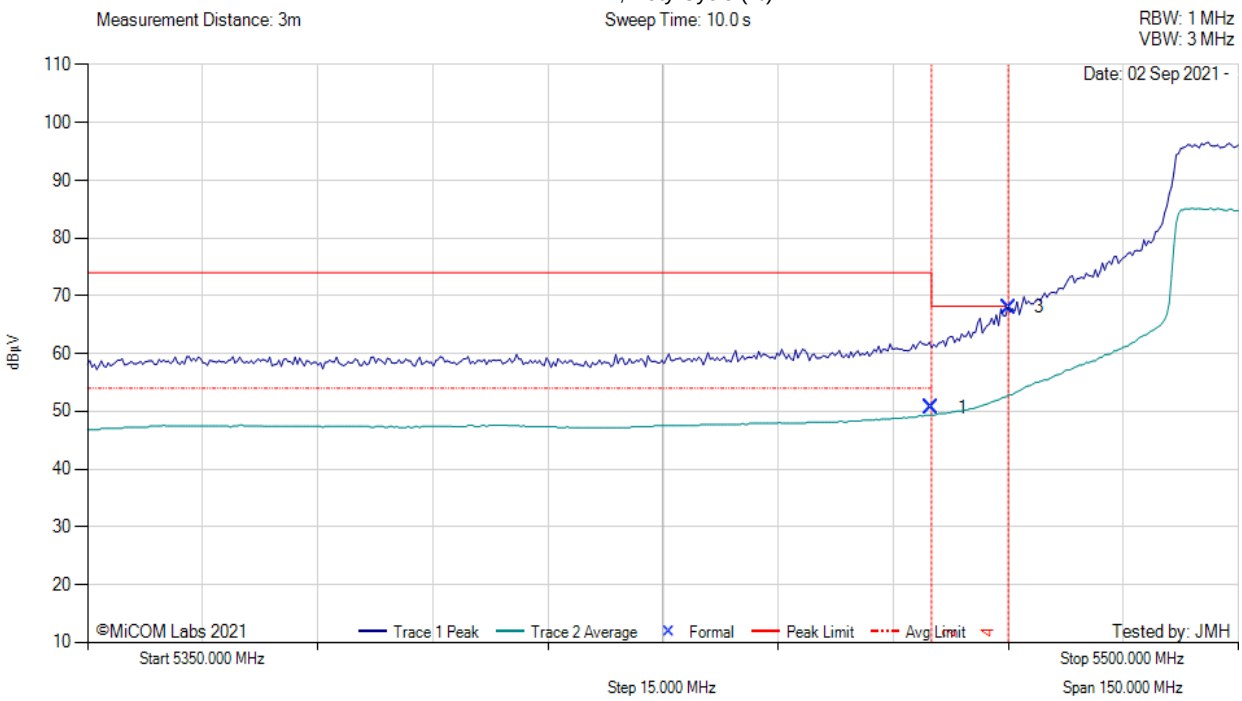
5350.00 - 5500.00 MHz												
Num	Frequency MHz	Raw dBµV	Cable Loss dB	AF dB/m	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	12.76	3.06	34.53	50.35	Max Avg	Vertical	171	352	54.0	-3.7	Pass
3	5469.40	26.56	3.06	34.55	64.17	Max Peak	Vertical	171	352	68.2	-4.1	Pass
2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector.

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 7, Duty Cycle (%): 72



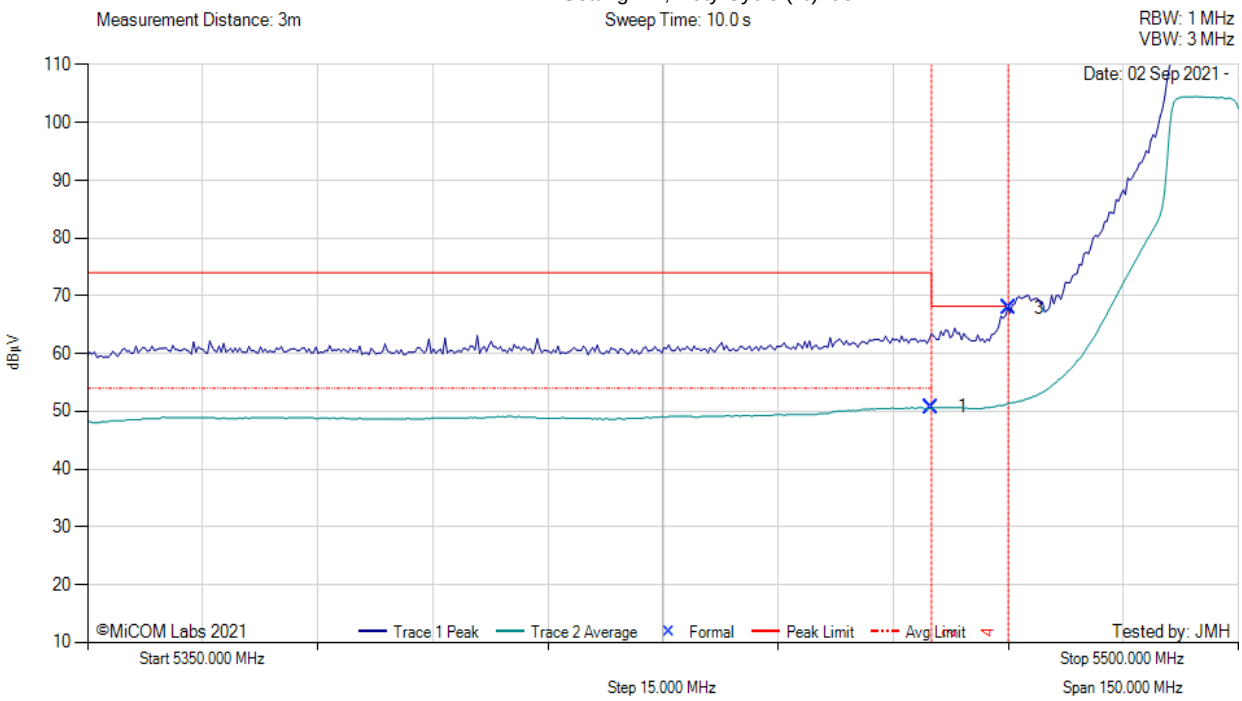
5350.00 - 5500.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	5460.00	13.12	3.06	34.53	50.71	Max Avg	Vertical	171	352	54.0	-3.3	Pass
3	5470.00	30.40	3.06	34.55	68.01	Max Peak	Vertical	171	352	68.2	-0.2	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. Power setting reduced to meet band edge measurement.

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 93



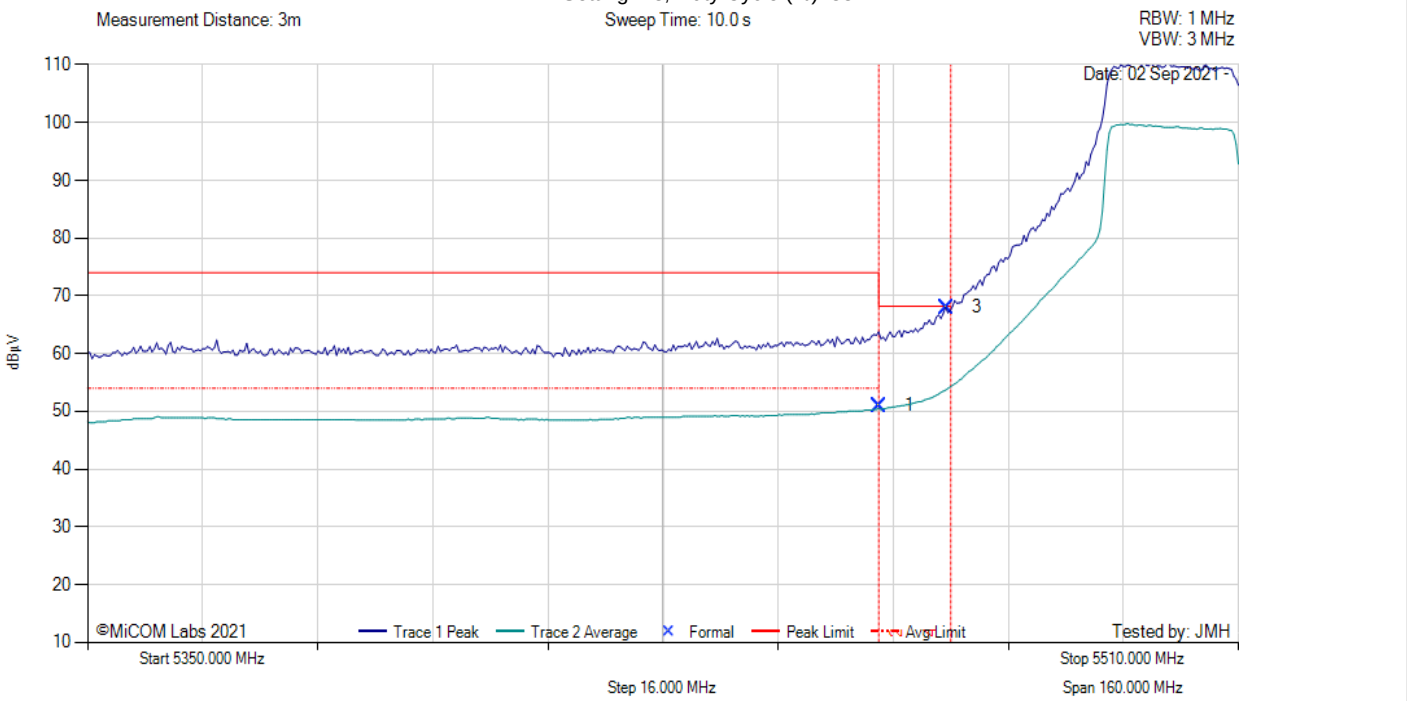
5350.00 - 5500.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	5460.00	13.21	3.06	34.53	50.80	Max Avg	Vertical	171	352	54.0	-3.2	Pass
3	5470.00	30.23	3.06	34.55	67.84	Max Peak	Vertical	171	352	68.2	-0.4	Pass
2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 0.31 dB added to average measurement.

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 18, Duty Cycle (%): 88



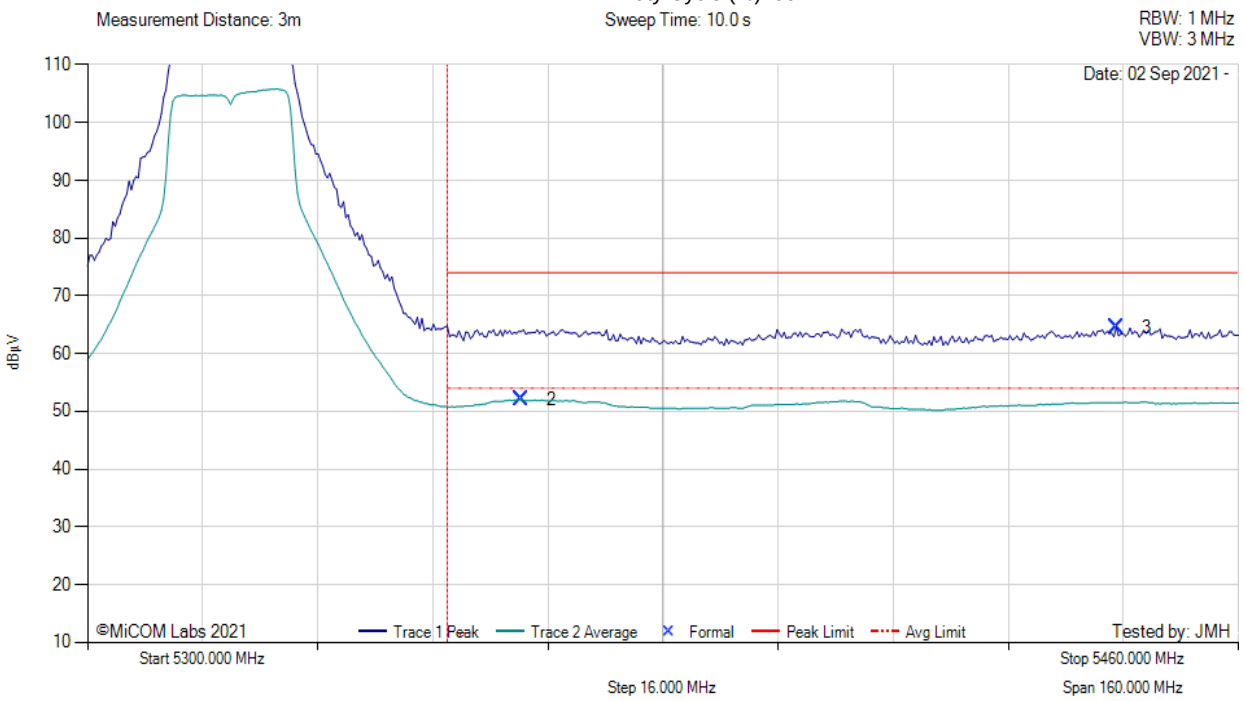
5350.00 - 5510.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	5460.00	13.43	3.06	34.53	51.02	Max Avg	Vertical	171	352	68.2	-4.0	Pass
3	5469.36	30.42	3.06	34.55	68.03	Max Peak	Vertical	171	352	68.2	-0.2	Pass
2	5460.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--
4	5470.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 0.53 dB added to average measurement.

back to matrix

RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 99



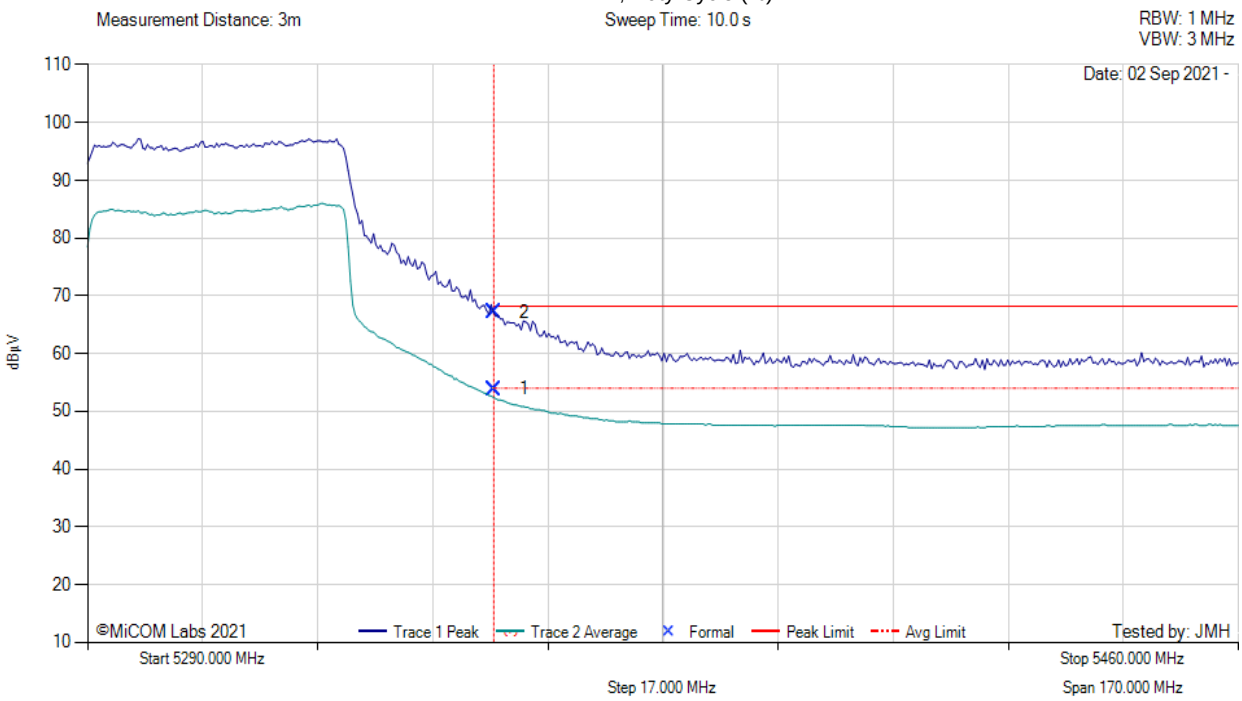
5300.00 - 5460.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
2	5360.28	14.57	3.04	34.48	52.09	Max Avg	Vertical	171	352	54.0	-1.9	Pass
3	5443.01	26.95	3.09	34.50	64.54	Max Peak	Vertical	171	352	74.0	-9.5	Pass
1	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector.

back to matrix

RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 7, Duty Cycle (%): 72



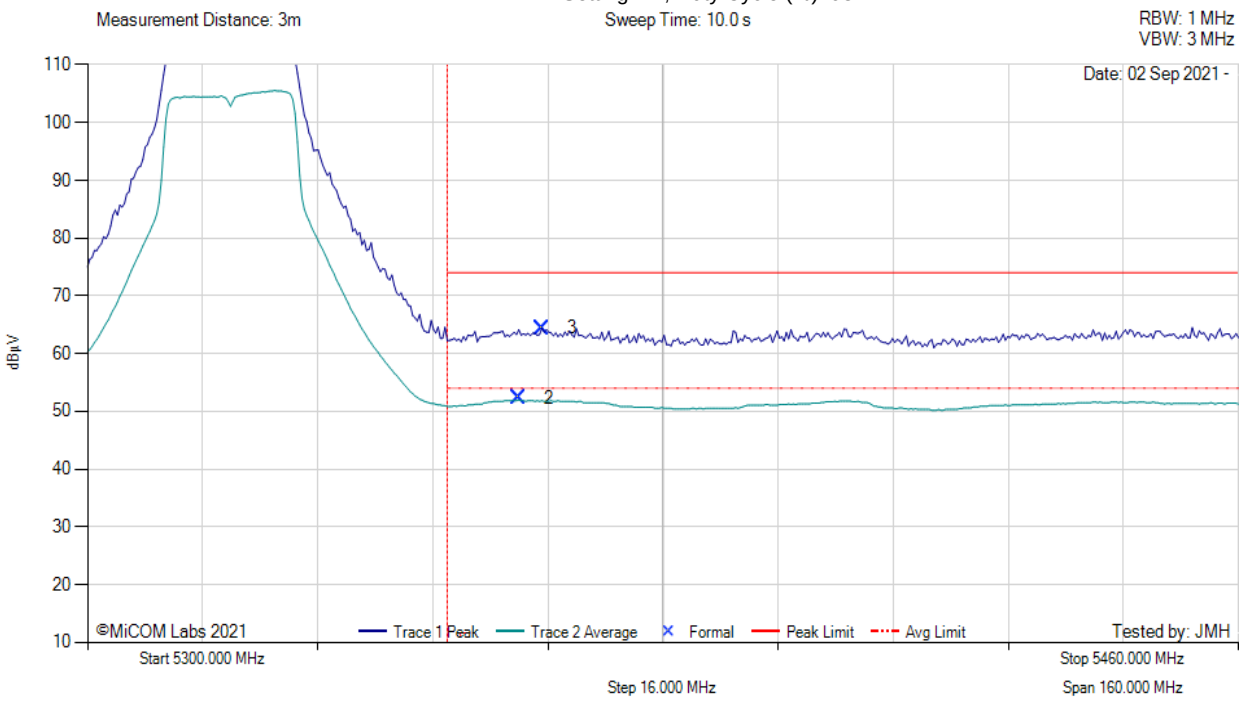
5290.00 - 5460.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
1	5350.00	16.32	3.06	34.46	53.84	Max Avg	Vertical	171	352	54.0	-0.2	Pass
2	5350.00	29.66	3.06	34.46	67.18	Max Peak	Vertical	171	352	74.0	-6.8	Pass
3	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 1.4 dB added to average measurement. Power setting reduced to meet band edge measurement.

back to matrix

RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 22, Duty Cycle (%): 93



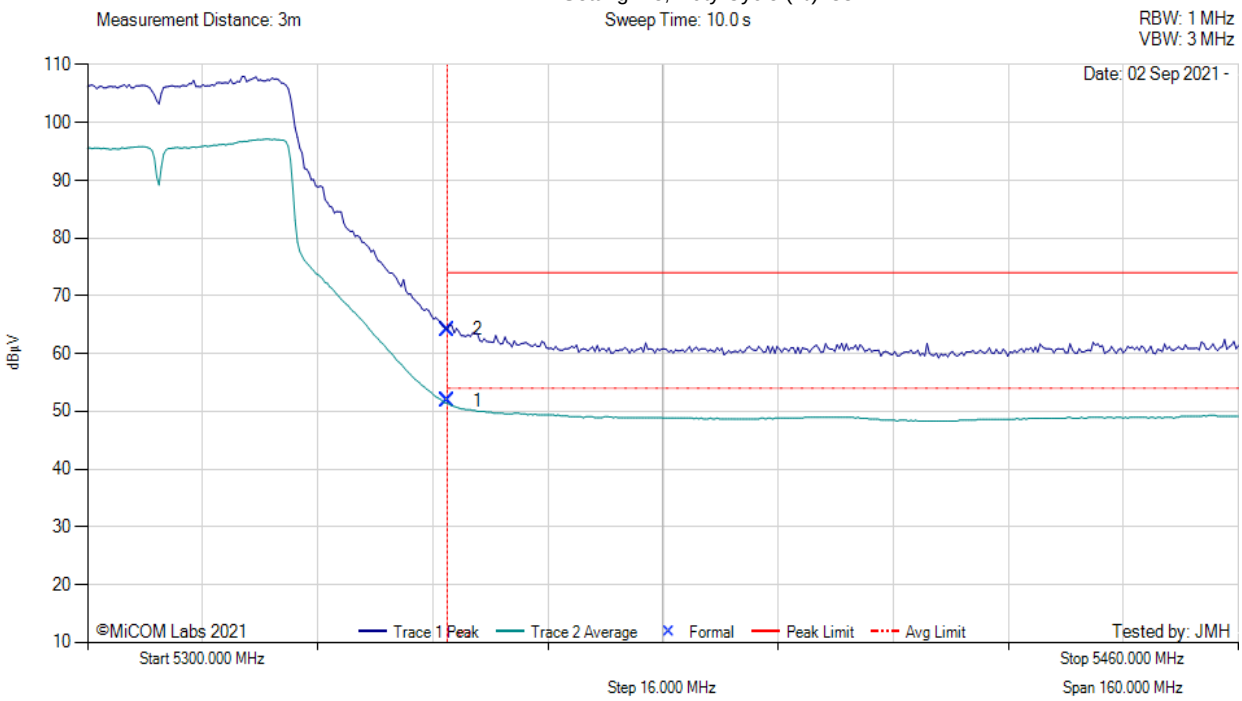
5300.00 - 5460.00 MHz												
Num	**Frequency MHz**	**Raw dBµV**	**Cable Loss dB**	**AF dB/m**	**Level dBµV/m**	**Measurement Type**	**Pol**	**Hgt cm**	**Azt Deg**	**Limit dBµV/m**	**Margin dB**	**Pass /Fail**
2	5359.96	14.77	3.04	34.48	52.29	Max Avg	Vertical	171	352	54.0	-1.7	Pass
3	5363.17	26.88	3.06	34.48	64.42	Max Peak	Vertical	171	352	74.0	-9.6	Pass
1	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 0.31 dB added to average measurement.

back to matrix

RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: Tesswave communications TOF-2458-6V, Power Setting: 15, Duty Cycle (%): 88



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	14.38	3.06	34.46	51.90	Max Avg	Vertical	171	352	54.0	-2.1	Pass
2	5350.00	26.62	3.06	34.46	64.14	Max Peak	Vertical	171	352	74.0	-9.9	Pass
3	5350.00	--	--	--	--	Restricted-Band	--	--	--	--	--	--

Test Notes: EUT powered by PoE injector. DCCF 0.53 dB added to average measurement. Power setting reduced to meet band edge measurement.

back to matrix

A.3.3. Digital Emissions

A.4. AC Wireline

B. APPENDIX – RADAR SIGNATURES

Type 5 #1 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	145002	54	1814	0	519742	666666
2	1	10	211485	98	0	0	455083	666666
3	2	10	58525	63	1754	0	606261	666666
4	3	10	538518	82	1853	1943	124106	666666
5	2	10	221318	58	1274	0	443958	666666
6	3	10	306803	93	1833	1675	356076	666666
7	3	10	561012	81	1702	1905	101804	666666
8	3	10	326599	82	1926	1599	336296	666666
9	1	10	361301	62	0	0	305303	666666
10	3	10	22992	65	1468	1521	640490	666666
11	3	10	573911	91	1396	1808	89278	666666
12	2	10	60271	67	1118	0	605143	666666
13	1	10	154239	79	0	0	512348	666666
14	1	10	51586	95	0	0	614985	666666
15	1	10	340471	77	0	0	326118	666666
16	3	10	46045	60	1866	1228	617347	666666
17	2	10	440066	60	1706	0	224774	666666
18	2	10	93169	94	1509	0	571800	666666

Type 5 #2 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	11	310699	83	0	0	689218	1000000
2	2	11	10102	70	1672	0	988086	1000000
3	2	11	606952	89	1312	0	391558	1000000
4	3	11	496593	82	1342	1277	500542	1000000
5	2	11	351226	96	1917	0	646665	1000000
6	3	11	958308	91	1657	1165	38597	1000000
7	3	11	261287	59	1268	1183	736085	1000000
8	3	11	141271	74	1119	1535	855853	1000000
9	1	11	784064	93	0	0	215843	1000000
10	2	11	301872	65	1277	0	696721	1000000
11	3	11	452815	92	1016	1113	544780	1000000
12	3	11	841297	97	1605	1015	155792	1000000

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	15	887732	74	1806	0	33390	923076
2	1	15	617028	88	0	0	305960	923076
3	3	15	347109	95	1323	1355	573004	923076
4	2	15	64610	92	1341	0	856941	923076
5	2	15	474879	91	1899	0	446116	923076
6	2	15	738048	100	1299	0	183529	923076
7	2	15	834209	66	1058	0	87677	923076
8	1	15	807274	75	0	0	115727	923076
9	3	15	29409	67	1999	1786	889681	923076
10	1	15	430948	83	0	0	492045	923076
11	3	15	175251	60	1794	1205	744646	923076
12	2	15	408552	79	1257	0	513109	923076
13	1	15	801961	73	0	0	121042	923076

Type 5 #4 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	6	215132	71	0	0	384797	600000
2	3	6	139764	72	1022	1724	457274	600000
3	3	6	381734	80	1833	1753	214440	600000
4	1	6	203439	85	0	0	396476	600000
5	3	6	531705	62	1466	1431	65212	600000
6	3	6	577807	96	1823	1466	18616	600000
7	2	6	195074	70	1715	0	403071	600000
8	3	6	442965	82	1740	1542	153507	600000
9	3	6	163753	79	1545	1631	432834	600000
10	3	6	209405	72	1559	1221	387599	600000
11	3	6	342928	98	1037	1603	254138	600000
12	1	6	130163	95	0	0	469742	600000
13	3	6	187800	59	1436	1037	409550	600000
14	1	6	478926	53	0	0	121021	600000
15	3	6	153759	75	1745	1849	442422	600000
16	2	6	274942	82	1109	0	323785	600000
17	3	6	172273	88	1046	1793	424624	600000
18	1	6	263077	91	0	0	336832	600000
19	3	6	116119	85	1505	1690	480431	600000
20	1	6	103298	73	0	0	496629	600000

Type 5 #5 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	1	8	58843	69	0	0	864164	923076
2	2	8	135253	90	1028	0	786615	923076
3	2	8	23746	69	1245	0	897947	923076
4	1	8	331282	63	0	0	591731	923076
5	3	8	58265	91	1239	1158	862141	923076
6	1	8	785792	59	0	0	137225	923076
7	3	8	573186	63	1907	1555	346239	923076
8	1	8	96013	93	0	0	826970	923076
9	3	8	851634	58	1662	1747	67859	923076
10	3	8	202737	54	1489	1374	717314	923076
11	3	8	27890	75	1594	1614	891753	923076
12	2	8	77022	75	1886	0	844018	923076
13	1	8	484769	90	0	0	438217	923076

Type 5 #6 5507 [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	590495	69	1730	0	607637	1200000
2	2	5	827086	97	1259	0	371461	1200000
3	2	5	497144	86	1751	0	700933	1200000
4	3	5	864512	88	1653	1068	332503	1200000
5	1	5	579965	85	0	0	619950	1200000
6	3	5	162027	83	1400	1969	1034355	1200000
7	2	5	133829	99	1184	0	1064789	1200000
8	3	5	300305	73	1478	1415	896583	1200000
9	3	5	666280	80	1749	1473	530258	1200000
10	1	5	842549	94	0	0	357357	1200000

Type 5 #7 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	15	217842	77	1962	0	530042	750000
2	3	15	649489	78	1888	1738	96651	750000
3	1	15	131185	55	0	0	618760	750000
4	2	15	77330	86	1471	0	671027	750000
5	2	15	217867	50	1925	0	530108	750000
6	1	15	442490	54	0	0	307456	750000
7	1	15	319939	94	0	0	429967	750000
8	1	15	341105	90	0	0	408805	750000
9	1	15	28711	98	0	0	721191	750000
10	3	15	580569	87	1469	1688	166013	750000
11	3	15	611378	76	1205	1151	136038	750000
12	2	15	647348	65	1654	0	100868	750000
13	1	15	90495	60	0	0	659445	750000
14	1	15	485931	82	0	0	263987	750000
15	3	15	471008	94	1485	1229	275996	750000
16	2	15	206033	76	1065	0	542750	750000

Type 5 #8 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	920347	98	1026	0	169340	1090909
2	3	19	832266	57	1337	1590	255545	1090909
3	1	19	117398	96	0	0	973415	1090909
4	3	19	323913	52	1930	1895	763015	1090909
5	1	19	326465	76	0	0	764368	1090909
6	2	19	494212	92	1380	0	595133	1090909
7	3	19	730677	94	1540	1213	357197	1090909
8	3	19	971462	62	1033	1974	116254	1090909
9	2	19	160440	90	1747	0	928542	1090909
10	3	19	461724	58	1684	1369	625958	1090909
11	3	19	116838	81	1379	1435	971014	1090909

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	133898	79	1705	1649	1195844	1333333
2	3	6	526302	95	1922	1010	803814	1333333
3	3	6	282981	79	1896	1370	1046849	1333333
4	2	6	843184	54	1200	0	488841	1333333
5	2	6	177585	77	1235	0	1154359	1333333
6	3	6	937553	96	1568	1708	392216	1333333
7	3	6	776973	92	1443	1263	553378	1333333
8	2	6	271541	83	1503	0	1060123	1333333
9	3	6	194730	85	1108	1211	1136029	1333333

Type 5 #10 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	113829	55	0	0	809192	923076
2	3	20	850964	59	1018	1442	69475	923076
3	1	20	857069	86	0	0	65921	923076
4	2	20	499517	74	1886	0	421525	923076
5	3	20	800925	87	1401	1551	118938	923076
6	3	20	386849	88	1757	1012	533194	923076
7	3	20	486384	71	1889	1343	433247	923076
8	2	20	419561	95	1470	0	501855	923076
9	2	20	134485	53	1675	0	786810	923076
10	1	20	767181	74	0	0	155821	923076
11	2	20	645294	67	1482	0	276166	923076
12	2	20	403345	84	1254	0	518309	923076
13	1	20	465369	71	0	0	457636	923076

Type 5 #11 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	240672	81	1071	0	615237	857142
2	3	20	618987	74	1858	1486	234589	857142
3	1	20	757665	97	0	0	99380	857142
4	2	20	503388	98	1682	0	351876	857142
5	3	20	20731	60	1154	1032	834045	857142
6	3	20	379752	78	1465	1086	474605	857142
7	3	20	13869	56	1405	1921	839779	857142
8	3	20	830567	91	1072	1813	23417	857142
9	3	20	628773	100	1492	1545	225032	857142
10	2	20	82003	75	1942	0	773047	857142
11	1	20	209034	73	0	0	648035	857142
12	1	20	336770	54	0	0	520318	857142
13	2	20	701229	91	1280	0	154451	857142
14	3	20	717939	99	1202	1929	135775	857142

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	8	733620	62	1938	0	264318	1000000
2	2	8	185551	75	1046	0	813253	1000000
3	2	8	707890	61	1773	0	290215	1000000
4	1	8	163121	71	0	0	836808	1000000
5	2	8	658453	85	1674	0	339703	1000000
6	2	8	409269	71	1739	0	588850	1000000
7	1	8	719791	89	0	0	280120	1000000
8	1	8	996439	86	0	0	3475	1000000
9	2	8	254309	83	1335	0	744190	1000000
10	3	8	87590	79	1503	1969	908701	1000000
11	1	8	69853	69	0	0	930078	1000000
12	1	8	859074	95	0	0	140831	1000000

Type 5 #13 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	11	363170	99	1404	0	341110	705882
2	3	11	494843	98	1866	1145	207734	705882
3	3	11	109630	83	1434	1880	592689	705882
4	2	11	24025	63	1651	0	680080	705882
5	2	11	328101	86	1257	0	376352	705882
6	3	11	423520	69	1716	1465	278974	705882
7	2	11	226689	81	1820	0	477211	705882
8	2	11	162630	70	1143	0	541969	705882
9	3	11	688790	68	1193	1232	14463	705882
10	1	11	30369	56	0	0	675457	705882
11	1	11	389116	71	0	0	316695	705882
12	3	11	344672	97	1683	1298	357938	705882
13	2	11	195541	64	1347	0	508866	705882
14	3	11	615192	53	1050	1835	87646	705882
15	2	11	242793	85	1804	0	461115	705882
16	1	11	628573	80	0	0	77229	705882
17	1	11	221183	80	0	0	484619	705882

Type 5 #14 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	11	490243	54	1066	1776	363895	857142
2	1	11	253166	99	0	0	603877	857142
3	3	11	491687	60	1289	1521	362465	857142
4	3	11	70628	90	1993	1349	782902	857142
5	3	11	29513	59	1362	1837	824253	857142
6	3	11	373158	66	1803	1791	480192	857142
7	2	11	2310	89	1442	0	853212	857142
8	3	11	830599	66	1097	1646	23602	857142
9	3	11	192597	65	1311	1143	661896	857142
10	1	11	462262	64	0	0	394816	857142
11	3	11	94881	57	1878	1413	758799	857142
12	3	11	531132	63	1626	1492	322703	857142
13	3	11	682193	59	1390	1133	172249	857142
14	1	11	375501	51	0	0	481590	857142

Type 5 #15 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	3	19	1195492	55	1588	1513	134575	1333333
2	2	19	51578	82	1564	0	1280027	1333333
3	3	19	1123978	67	1837	1019	206298	1333333
4	1	19	1004882	73	0	0	328378	1333333
5	3	19	1034476	72	1418	1269	295954	1333333
6	1	19	1307973	63	0	0	25297	1333333
7	2	19	696780	98	1094	0	635263	1333333
8	3	19	1015009	81	1168	1955	314958	1333333
9	2	19	914809	64	1758	0	416638	1333333

Type 5 #16 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	6	897513	57	0	0	435763	1333333
2	1	6	161399	62	0	0	1171872	1333333
3	2	6	810271	68	1905	0	521021	1333333
4	3	6	306354	62	1339	1497	1023957	1333333
5	1	6	1322522	75	0	0	10736	1333333
6	1	6	180778	57	0	0	1152498	1333333
7	2	6	381579	93	1833	0	949735	1333333
8	3	6	1131595	67	1940	1957	197640	1333333
9	3	6	529229	68	1816	1834	800250	1333333

Type 5 #17 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	3	14	385115	83	1143	1986	534583	923076
2	1	14	471645	86	0	0	451345	923076
3	1	14	525442	97	0	0	397537	923076
4	2	14	898521	81	1683	0	22710	923076
5	1	14	858274	90	0	0	64712	923076
6	3	14	532498	66	1663	1475	387242	923076
7	2	14	246083	75	1916	0	674927	923076
8	3	14	480860	64	1142	1869	439013	923076
9	3	14	806774	92	1333	1224	113469	923076
10	2	14	51316	78	1977	0	869627	923076
11	3	14	672484	62	1155	1794	247457	923076
12	1	14	871744	83	0	0	51249	923076
13	2	14	178362	56	1099	0	743503	923076

Type 5 #18 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	2	18	268145	73	1477	0	587374	857142
2	3	18	528068	80	1448	1098	326288	857142
3	2	18	698258	68	1619	0	157129	857142
4	2	18	176850	82	1555	0	678573	857142
5	3	18	191101	79	1255	1708	662841	857142
6	1	18	773816	96	0	0	83230	857142
7	3	18	580555	79	1241	1395	273714	857142
8	3	18	704615	99	1025	1685	149520	857142
9	1	18	634234	97	0	0	222811	857142
10	2	18	17731	76	1155	0	838104	857142
11	2	18	748217	81	1608	0	107155	857142
12	1	18	412717	62	0	0	444363	857142
13	2	18	665371	77	1535	0	190082	857142
14	3	18	540928	56	1223	1876	312947	857142

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	1264030	55	0	0	235915	1500000
2	2	13	387577	88	1033	0	1111214	1500000
3	3	13	889828	82	1742	1921	606263	1500000
4	3	13	13934	77	1154	1672	1483009	1500000
5	1	13	237737	82	0	0	1262181	1500000
6	2	13	78306	50	1897	0	1419697	1500000
7	2	13	1355320	81	1636	0	142882	1500000
8	1	13	1481110	79	0	0	18811	1500000

Type 5 #20 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	12	1185133	98	1680	0	312991	1500000
2	3	12	236097	50	1320	1730	1260703	1500000
3	2	12	1098378	94	1684	0	399750	1500000
4	1	12	767055	77	0	0	732868	1500000
5	1	12	829450	55	0	0	670495	1500000
6	2	12	1319013	65	1906	0	178951	1500000
7	3	12	1013543	94	1642	1629	482904	1500000
8	3	12	633500	67	1858	1556	862885	1500000

Type 5 #21 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	3	16	234117	54	1059	1364	513298	750000
2	2	16	95920	73	1376	0	652558	750000
3	2	16	330868	75	1079	0	417903	750000
4	3	16	5059	84	1516	1843	741330	750000
5	1	16	734422	70	0	0	15508	750000
6	1	16	149773	54	0	0	600173	750000
7	3	16	57575	91	1792	1592	688768	750000
8	3	16	495851	71	1272	1329	251335	750000
9	1	16	207721	67	0	0	542212	750000
10	1	16	642070	100	0	0	107830	750000
11	3	16	710367	55	1230	1823	36415	750000
12	3	16	306222	83	1085	1624	440820	750000
13	3	16	673053	59	1525	1322	73923	750000
14	1	16	390872	89	0	0	359039	750000
15	2	16	528779	59	1711	0	219392	750000
16	3	16	386167	59	1002	1913	360741	750000

Type 5 #22 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	15	202679	59	0	0	397262	600000
2	2	15	74714	57	1723	0	523449	600000
3	3	15	477525	95	1486	1166	119538	600000
4	1	15	26665	72	0	0	573263	600000
5	1	15	19053	94	0	0	580853	600000
6	2	15	535116	54	1712	0	63064	600000
7	3	15	161393	98	1802	1747	434764	600000
8	1	15	110006	79	0	0	489915	600000
9	3	15	25412	51	1989	1166	571280	600000
10	1	15	174726	76	0	0	425198	600000
11	3	15	513065	82	1792	1018	83879	600000
12	3	15	560400	88	1154	1674	36508	600000
13	1	15	110143	92	0	0	489765	600000
14	1	15	539310	57	0	0	60633	600000
15	3	15	7963	60	1769	1261	588827	600000
16	1	15	595091	86	0	0	4823	600000
17	1	15	441613	78	0	0	158309	600000
18	1	15	470837	62	0	0	129101	600000
19	1	15	222049	99	0	0	377852	600000
20	2	15	539653	90	1929	0	58238	600000

Type 5 #23 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	84331	78	1510	1866	1245392	1333333
2	2	18	220585	87	1032	0	1111542	1333333
3	2	18	873136	85	1972	0	458055	1333333
4	3	18	498340	51	1231	1928	831681	1333333
5	2	18	189024	89	1977	0	1142154	1333333
6	1	18	352139	99	0	0	981095	1333333
7	3	18	884759	51	1716	1115	445590	1333333
8	2	18	305864	81	1720	0	1025587	1333333
9	2	18	320594	63	1268	0	1011345	1333333

Type 5 #24 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	17	195894	57	0	0	804049	1000000
2	3	17	769972	95	1198	1922	226623	1000000
3	2	17	972618	92	1204	0	25994	1000000
4	3	17	510279	61	1991	1410	486137	1000000
5	1	17	90352	74	0	0	909574	1000000
6	2	17	611043	84	1092	0	387697	1000000
7	2	17	806238	62	1900	0	191738	1000000
8	2	17	491312	82	1980	0	506544	1000000
9	2	17	41318	90	1292	0	957210	1000000
10	2	17	985438	53	1851	0	12605	1000000
11	1	17	952062	76	0	0	47862	1000000
12	1	17	591696	100	0	0	408204	1000000

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	1	17	29406	60	0	0	720534	750000
2	2	17	45016	70	1215	0	703629	750000
3	3	17	630034	100	1713	1938	116015	750000
4	2	17	235421	72	1821	0	512614	750000
5	1	17	712936	98	0	0	36966	750000
6	3	17	527772	91	1887	1049	219019	750000
7	1	17	374994	66	0	0	374940	750000
8	1	17	18602	92	0	0	731306	750000
9	1	17	28434	93	0	0	721473	750000
10	2	17	44128	50	1958	0	703814	750000
11	2	17	298222	88	1455	0	450147	750000
12	1	17	275980	65	0	0	473955	750000
13	3	17	124001	100	1159	1837	622703	750000
14	2	17	401847	68	1645	0	346372	750000
15	2	17	314502	94	1006	0	434304	750000
16	2	17	368677	99	1543	0	379582	750000

Type 5 #26 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	9	1042596	97	1876	0	155334	1200000
2	1	9	627305	89	0	0	572606	1200000
3	3	9	117946	68	1340	1605	1078905	1200000
4	2	9	956341	64	1036	0	242495	1200000
5	3	9	915635	65	1362	1781	281027	1200000
6	1	9	1192899	94	0	0	7007	1200000
7	3	9	517543	54	1299	1864	679132	1200000
8	3	9	71166	82	1666	1401	1125521	1200000
9	2	9	1125902	78	1249	0	72693	1200000
10	2	9	325601	70	1934	0	872325	1200000

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	6	421917	55	1867	1903	374148	800000
2	1	6	593943	64	0	0	205993	800000
3	3	6	175071	83	1599	1637	621444	800000
4	3	6	554200	84	1689	1809	242050	800000
5	3	6	462891	77	1482	1656	333740	800000
6	3	6	537854	94	1302	1841	258721	800000
7	3	6	74266	78	1535	1187	722778	800000
8	2	6	721558	99	1583	0	76661	800000
9	3	6	574069	67	1075	1902	222753	800000
10	3	6	222525	71	1753	1563	573946	800000
11	1	6	198583	71	0	0	601346	800000
12	2	6	704033	66	1167	0	94668	800000
13	3	6	413681	97	1708	1809	382511	800000
14	3	6	502507	80	1268	1566	294419	800000
15	2	6	542774	88	1321	0	255729	800000

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	3	6	1125170	64	1214	1767	204990	1333333
2	1	6	1011300	82	0	0	321951	1333333
3	1	6	489719	97	0	0	843517	1333333
4	1	6	1199926	61	0	0	133346	1333333
5	3	6	900088	74	1998	1909	429116	1333333
6	2	6	383835	69	1041	0	948319	1333333
7	1	6	904534	50	0	0	428749	1333333
8	3	6	1304085	90	1527	1470	25981	1333333
9	3	6	827056	58	1929	1697	502477	1333333

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	15	431342	100	0	0	368558	800000
2	1	15	281342	81	0	0	518577	800000
3	2	15	202539	70	1743	0	595578	800000
4	2	15	359209	78	1566	0	439069	800000
5	3	15	620875	53	1321	1068	176577	800000
6	1	15	161904	92	0	0	638004	800000
7	1	15	392960	74	0	0	406966	800000
8	3	15	744034	52	1702	1802	52306	800000
9	2	15	463865	68	1947	0	334052	800000
10	1	15	457304	56	0	0	342640	800000
11	1	15	46591	63	0	0	753346	800000
12	2	15	35669	80	1526	0	762645	800000
13	3	15	480322	93	1483	1260	316656	800000
14	1	15	201907	94	0	0	597999	800000
15	3	15	657876	60	1893	1765	138286	800000

Type 5 #30 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	111283	57	0	0	638660	750000
2	2	20	547702	78	1886	0	200256	750000
3	2	20	291815	50	1039	0	457046	750000
4	1	20	529089	67	0	0	220844	750000
5	3	20	380718	94	1352	1361	366287	750000
6	2	20	299678	61	1707	0	448493	750000
7	3	20	740854	78	1868	1207	5837	750000
8	1	20	346417	84	0	0	403499	750000
9	3	20	560574	68	1370	1479	186373	750000
10	2	20	585326	69	1411	0	163125	750000
11	3	20	679702	90	1974	1771	66283	750000
12	3	20	630983	71	1799	1181	115824	750000
13	3	20	722605	97	1101	1148	24855	750000
14	2	20	181962	60	1672	0	566246	750000
15	1	20	663499	76	0	0	86425	750000
16	1	20	644973	88	0	0	104939	750000

Type 6 #1 [Back to Summary]									
#01-5576	#02-5543	#03-5688	#04-5616	#05-5673	#06-5455	#07-5647	#08-5287	#09-5380	#10-5368
#11-5360	#12-5383	#13-5702	#14-5497	#15-5456	#16-5511	#17-5312	#18-5535	#19-5629	#20-5443
#21-5255	#22-5321	#23-5301	#24-5387	#25-5508	#26-5642	#27-5373	#28-5566	#29-5262	#30-5504
#31-5565	#32-5288	#33-5406	#34-5513	#35-5325	#36-5402	#37-5252	#38-5411	#39-5372	#40-5441
#41-5310	#42-5405	#43-5691	#44-5454	#45-5425	#46-5708	#47-5344	#48-5720	#49-5516	#50-5413
#51-5276	#52-5328	#53-5685	#54-5469	#55-5389	#56-5512	#57-5498	#58-5559	#59-5358	#60-5282
#61-5336	#62-5335	#63-5275	#64-5608	#65-5540	#66-5326	#67-5705	#68-5449	#69-5432	#70-5307
#71-5520	#72-5636	#73-5422	#74-5451	#75-5392	#76-5588	#77-5359	#78-5586	#79-5690	#80-5534
#81-5556	#82-5382	#83-5304	#84-5590	#85-5485	#86-5495	#87-5330	#88-5667	#89-5379	#90-5553
#91-5637	#92-5433	#93-5296	#94-5342	#95-5356	#96-5701	#97-5381	#98-5339	#99-5649	#100-5350

Type 6 #2 [Back to Summary]									
#01-5252	#02-5626	#03-5544	#04-5452	#05-5624	#06-5369	#07-5636	#08-5492	#09-5326	#10-5529
#11-5397	#12-5642	#13-5587	#14-5558	#15-5458	#16-5682	#17-5278	#18-5419	#19-5375	#20-5292
#21-5721	#22-5288	#23-5317	#24-5606	#25-5401	#26-5334	#27-5584	#28-5327	#29-5341	#30-5412
#31-5457	#32-5270	#33-5661	#34-5593	#35-5523	#36-5649	#37-5559	#38-5576	#39-5683	#40-5359
#41-5577	#42-5556	#43-5590	#44-5568	#45-5395	#46-5716	#47-5560	#48-5463	#49-5605	#50-5396
#51-5674	#52-5680	#53-5687	#54-5599	#55-5349	#56-5691	#57-5551	#58-5662	#59-5301	#60-5532
#61-5502	#62-5550	#63-5403	#64-5640	#65-5322	#66-5374	#67-5706	#68-5720	#69-5284	#70-5527
#71-5368	#72-5425	#73-5462	#74-5266	#75-5437	#76-5411	#77-5424	#78-5471	#79-5460	#80-5407
#81-5494	#82-5367	#83-5446	#84-5666	#85-5464	#86-5499	#87-5307	#88-5305	#89-5491	#90-5557
#91-5333	#92-5622	#93-5521	#94-5386	#95-5574	#96-5267	#97-5402	#98-5673	#99-5495	#100-5265

Type 6 #3 [Back to Summary]									
#01-5260	#02-5567	#03-5426	#04-5316	#05-5277	#06-5497	#07-5465	#08-5668	#09-5411	#10-5663
#11-5516	#12-5340	#13-5452	#14-5619	#15-5295	#16-5387	#17-5363	#18-5467	#19-5432	#20-5552
#21-5318	#22-5649	#23-5482	#24-5455	#25-5453	#26-5479	#27-5628	#28-5325	#29-5419	#30-5420
#31-5258	#32-5483	#33-5702	#34-5444	#35-5397	#36-5656	#37-5673	#38-5379	#39-5640	#40-5692
#41-5286	#42-5367	#43-5621	#44-5557	#45-5293	#46-5722	#47-5418	#48-5631	#49-5345	#50-5439
#51-5632	#52-5666	#53-5499	#54-5672	#55-5678	#56-5336	#57-5337	#58-5699	#59-5588	#60-5528
#61-5593	#62-5388	#63-5502	#64-5716	#65-5651	#66-5287	#67-5361	#68-5259	#69-5474	#70-5366
#71-5443	#72-5706	#73-5549	#74-5468	#75-5518	#76-5675	#77-5275	#78-5645	#79-5407	#80-5457
#81-5305	#82-5720	#83-5704	#84-5707	#85-5515	#86-5317	#87-5708	#88-5280	#89-5494	#90-5310
#91-5566	#92-5693	#93-5520	#94-5362	#95-5347	#96-5614	#97-5590	#98-5623	#99-5616	#100-5253

Type 6 #4 [Back to Summary]									
#01-5608	#02-5409	#03-5410	#04-5703	#05-5720	#06-5649	#07-5364	#08-5278	#09-5405	#10-5251
#11-5311	#12-5416	#13-5539	#14-5385	#15-5472	#16-5598	#17-5411	#18-5516	#19-5456	#20-5586
#21-5304	#22-5332	#23-5495	#24-5412	#25-5528	#26-5473	#27-5442	#28-5438	#29-5366	#30-5620
#31-5329	#32-5371	#33-5274	#34-5404	#35-5575	#36-5626	#37-5564	#38-5252	#39-5712	#40-5590
#41-5678	#42-5681	#43-5601	#44-5492	#45-5724	#46-5400	#47-5407	#48-5379	#49-5621	#50-5476
#51-5466	#52-5326	#53-5429	#54-5288	#55-5674	#56-5530	#57-5643	#58-5250	#59-5432	#60-5505
#61-5464	#62-5657	#63-5637	#64-5518	#65-5647	#66-5666	#67-5383	#68-5380	#69-5542	#70-5573
#71-5287	#72-5402	#73-5531	#74-5593	#75-5634	#76-5345	#77-5459	#78-5255	#79-5413	#80-5368
#81-5310	#82-5307	#83-5547	#84-5623	#85-5399	#86-5254	#87-5672	#88-5711	#89-5458	#90-5295
#91-5704	#92-5561	#93-5551	#94-5467	#95-5372	#96-5272	#97-5296	#98-5336	#99-5572	#100-5313

Type 6 #5 [Back to Summary]									
#01-5264	#02-5274	#03-5567	#04-5296	#05-5435	#06-5310	#07-5527	#08-5560	#09-5381	#10-5578
#11-5321	#12-5640	#13-5566	#14-5307	#15-5440	#16-5404	#17-5365	#18-5265	#19-5366	#20-5647
#21-5720	#22-5405	#23-5656	#24-5496	#25-5596	#26-5456	#27-5585	#28-5317	#29-5470	#30-5614
#31-5305	#32-5375	#33-5412	#34-5351	#35-5360	#36-5288	#37-5473	#38-5502	#39-5441	#40-5347
#41-5457	#42-5364	#43-5588	#44-5609	#45-5702	#46-5318	#47-5718	#48-5498	#49-5275	#50-5697
#51-5636	#52-5279	#53-5696	#54-5651	#55-5319	#56-5590	#57-5346	#58-5328	#59-5431	#60-5707
#61-5455	#62-5467	#63-5345	#64-5501	#65-5526	#66-5672	#67-5486	#68-5472	#69-5674	#70-5402
#71-5662	#72-5594	#73-5555	#74-5266	#75-5448	#76-5612	#77-5546	#78-5300	#79-5521	#80-5532
#81-5462	#82-5341	#83-5290	#84-5500	#85-5703	#86-5276	#87-5403	#88-5490	#89-5285	#90-5505
#91-5671	#92-5396	#93-5326	#94-5460	#95-5624	#96-5714	#97-5267	#98-5343	#99-5338	#100-5282

Type 6 #6 [Back to Summary]									
#01-5560	#02-5502	#03-5544	#04-5601	#05-5285	#06-5292	#07-5448	#08-5680	#09-5454	#10-5429
#11-5293	#12-5295	#13-5531	#14-5624	#15-5497	#16-5360	#17-5419	#18-5575	#19-5516	#20-5493
#21-5522	#22-5721	#23-5430	#24-5424	#25-5455	#26-5519	#27-5523	#28-5348	#29-5371	#30-5456
#31-5595	#32-5458	#33-5693	#34-5486	#35-5692	#36-5679	#37-5521	#38-5409	#39-5457	#40-5660
#41-5555	#42-5440	#43-5276	#44-5583	#45-5447	#46-5630	#47-5591	#48-5414	#49-5682	#50-5509
#51-5546	#52-5411	#53-5550	#54-5567	#55-5481	#56-5569	#57-5317	#58-5361	#59-5387	#60-5491
#61-5495	#62-5342	#63-5563	#64-5724	#65-5571	#66-5565	#67-5321	#68-5289	#69-5657	#70-5543
#71-5572	#72-5254	#73-5358	#74-5588	#75-5669	#76-5322	#77-5694	#78-5584	#79-5701	#80-5552
#81-5654	#82-5341	#83-5386	#84-5594	#85-5639	#86-5410	#87-5637	#88-5370	#89-5252	#90-5372
#91-5614	#92-5395	#93-5267	#94-5690	#95-5405	#96-5446	#97-5617	#98-5277	#99-5263	#100-5621

Type 6 #7 [Back to Summary]									
#01-5551	#02-5544	#03-5490	#04-5387	#05-5670	#06-5537	#07-5304	#08-5692	#09-5621	#10-5408
#11-5597	#12-5466	#13-5391	#14-5568	#15-5563	#16-5397	#17-5679	#18-5695	#19-5335	#20-5390
#21-5650	#22-5671	#23-5288	#24-5524	#25-5656	#26-5411	#27-5711	#28-5398	#29-5416	#30-5462
#31-5437	#32-5659	#33-5560	#34-5328	#35-5251	#36-5356	#37-5580	#38-5257	#39-5639	#40-5345
#41-5363	#42-5666	#43-5481	#44-5567	#45-5502	#46-5385	#47-5260	#48-5428	#49-5373	#50-5266
#51-5500	#52-5641	#53-5667	#54-5595	#55-5691	#56-5602	#57-5503	#58-5689	#59-5452	#60-5507
#61-5550	#62-5627	#63-5522	#64-5404	#65-5699	#66-5658	#67-5626	#68-5307	#69-5561	#70-5449
#71-5538	#72-5672	#73-5299	#74-5716	#75-5278	#76-5709	#77-5435	#78-5443	#79-5273	#80-5513
#81-5396	#82-5529	#83-5274	#84-5399	#85-5688	#86-5515	#87-5720	#88-5687	#89-5359	#90-5367
#91-5577	#92-5611	#93-5520	#94-5376	#95-5512	#96-5455	#97-5382	#98-5320	#99-5593	#100-5565

Type 6 #8 [Back to Summary]									
#01-5483	#02-5674	#03-5585	#04-5646	#05-5444	#06-5551	#07-5590	#08-5677	#09-5565	#10-5707
#11-5409	#12-5305	#13-5664	#14-5658	#15-5353	#16-5269	#17-5604	#18-5373	#19-5439	#20-5424
#21-5666	#22-5662	#23-5668	#24-5440	#25-5594	#26-5647	#27-5390	#28-5638	#29-5443	#30-5537
#31-5561	#32-5360	#33-5570	#34-5426	#35-5283	#36-5451	#37-5673	#38-5346	#39-5682	#40-5383
#41-5650	#42-5291	#43-5370	#44-5381	#45-5687	#46-5518	#47-5676	#48-5584	#49-5276	#50-5495
#51-5572	#52-5264	#53-5603	#54-5416	#55-5620	#56-5536	#57-5255	#58-5391	#59-5298	#60-5514
#61-5404	#62-5671	#63-5477	#64-5273	#65-5386	#66-5299	#67-5458	#68-5484	#69-5623	#70-5625
#71-5322	#72-5502	#73-5417	#74-5304	#75-5496	#76-5621	#77-5538	#78-5530	#79-5479	#80-5324
#81-5703	#82-5524	#83-5612	#84-5675	#85-5694	#86-5546	#87-5475	#88-5399	#89-5525	#90-5461
#91-5441	#92-5523	#93-5301	#94-5405	#95-5709	#96-5711	#97-5533	#98-5343	#99-5721	#100-5632

Type 6 #9 [Back to Summary]									
#01-5316	#02-5441	#03-5689	#04-5374	#05-5427	#06-5323	#07-5572	#08-5554	#09-5649	#10-5251
#11-5254	#12-5448	#13-5635	#14-5699	#15-5543	#16-5603	#17-5306	#18-5532	#19-5309	#20-5562
#21-5539	#22-5302	#23-5680	#24-5411	#25-5431	#26-5517	#27-5453	#28-5260	#29-5327	#30-5514
#31-5340	#32-5443	#33-5541	#34-5575	#35-5259	#36-5509	#37-5567	#38-5491	#39-5495	#40-5620
#41-5707	#42-5655	#43-5479	#44-5528	#45-5461	#46-5250	#47-5621	#48-5332	#49-5595	#50-5353
#51-5654	#52-5255	#53-5292	#54-5407	#55-5350	#56-5268	#57-5487	#58-5531	#59-5671	#60-5636
#61-5599	#62-5565	#63-5478	#64-5385	#65-5642	#66-5538	#67-5634	#68-5317	#69-5693	#70-5286
#71-5293	#72-5542	#73-5290	#74-5417	#75-5586	#76-5615	#77-5549	#78-5400	#79-5677	#80-5429
#81-5628	#82-5373	#83-5392	#84-5700	#85-5590	#86-5338	#87-5399	#88-5382	#89-5473	#90-5720
#91-5275	#92-5287	#93-5550	#94-5591	#95-5272	#96-5395	#97-5424	#98-5351	#99-5618	#100-5653

Type 6 #10 [Back to Summary]									
#01-5343	#02-5553	#03-5364	#04-5558	#05-5310	#06-5362	#07-5689	#08-5599	#09-5550	#10-5458
#11-5442	#12-5334	#13-5581	#14-5488	#15-5256	#16-5475	#17-5420	#18-5510	#19-5523	#20-5557
#21-5388	#22-5502	#23-5570	#24-5697	#25-5261	#26-5254	#27-5718	#28-5426	#29-5397	#30-5439
#31-5440	#32-5452	#33-5514	#34-5276	#35-5336	#36-5322	#37-5259	#38-5566	#39-5639	#40-5479
#41-5371	#42-5530	#43-5561	#44-5267	#45-5532	#46-5666	#47-5431	#48-5309	#49-5588	#50-5524
#51-5699	#52-5643	#53-5552	#54-5311	#55-5512	#56-5575	#57-5712	#58-5393	#59-5547	#60-5305
#61-5369	#62-5515	#63-5453	#64-5361	#65-5271	#66-5716	#67-5555	#68-5563	#69-5402	#70-5662
#71-5467	#72-5595	#73-5606	#74-5295	#75-5434	#76-5597	#77-5673	#78-5551	#79-5416	#80-5323
#81-5554	#82-5661	#83-5579	#84-5611	#85-5464	#86-5525	#87-5632	#88-5447	#89-5486	#90-5492
#91-5333	#92-5600	#93-5265	#94-5589	#95-5355	#96-5591	#97-5321	#98-5437	#99-5722	#100-5535

Type 6 #11 [Back to Summary]									
#01-5363	#02-5601	#03-5632	#04-5646	#05-5303	#06-5361	#07-5290	#08-5504	#09-5599	#10-5649
#11-5620	#12-5412	#13-5700	#14-5472	#15-5480	#16-5434	#17-5668	#18-5572	#19-5619	#20-5465
#21-5338	#22-5347	#23-5314	#24-5631	#25-5571	#26-5598	#27-5567	#28-5266	#29-5663	#30-5575
#31-5511	#32-5476	#33-5549	#34-5607	#35-5685	#36-5675	#37-5275	#38-5650	#39-5540	#40-5352
#41-5479	#42-5371	#43-5569	#44-5559	#45-5594	#46-5648	#47-5611	#48-5508	#49-5344	#50-5647
#51-5638	#52-5463	#53-5536	#54-5494	#55-5437	#56-5263	#57-5528	#58-5250	#59-5319	#60-5420
#61-5509	#62-5273	#63-5561	#64-5272	#65-5382	#66-5390	#67-5581	#68-5339	#69-5510	#70-5529
#71-5405	#72-5267	#73-5280	#74-5515	#75-5711	#76-5695	#77-5492	#78-5466	#79-5285	#80-5656
#81-5715	#82-5307	#83-5644	#84-5262	#85-5667	#86-5294	#87-5661	#88-5304	#89-5410	#90-5673
#91-5387	#92-5278	#93-5577	#94-5373	#95-5557	#96-5454	#97-5525	#98-5547	#99-5429	#100-5451

Type 6 #12 [Back to Summary]									
#01-5315	#02-5522	#03-5251	#04-5540	#05-5489	#06-5623	#07-5446	#08-5279	#09-5519	#10-5478
#11-5492	#12-5312	#13-5693	#14-5395	#15-5438	#16-5459	#17-5354	#18-5556	#19-5334	#20-5344
#21-5460	#22-5536	#23-5656	#24-5574	#25-5396	#26-5382	#27-5414	#28-5634	#29-5679	#30-5500
#31-5411	#32-5672	#33-5290	#34-5554	#35-5589	#36-5440	#37-5303	#38-5355	#39-5503	#40-5289
#41-5575	#42-5632	#43-5509	#44-5662	#45-5427	#46-5325	#47-5307	#48-5434	#49-5659	#50-5357
#51-5359	#52-5705	#53-5472	#54-5339	#55-5723	#56-5514	#57-5597	#58-5406	#59-5393	#60-5358
#61-5464	#62-5546	#63-5323	#64-5269	#65-5316	#66-5552	#67-5268	#68-5397	#69-5543	#70-5722
#71-5408	#72-5721	#73-5300	#74-5292	#75-5506	#76-5564	#77-5274	#78-5717	#79-5394	#80-5322
#81-5329	#82-5703	#83-5698	#84-5581	#85-5392	#86-5441	#87-5458	#88-5676	#89-5561	#90-5328
#91-5582	#92-5626	#93-5685	#94-5399	#95-5563	#96-5277	#97-5560	#98-5490	#99-5600	#100-5613

Type 6 #13 [Back to Summary]									
#01-5304	#02-5640	#03-5622	#04-5658	#05-5675	#06-5358	#07-5648	#08-5426	#09-5562	#10-5418
#11-5483	#12-5595	#13-5263	#14-5323	#15-5281	#16-5479	#17-5564	#18-5476	#19-5605	#20-5608
#21-5343	#22-5318	#23-5563	#24-5457	#25-5400	#26-5506	#27-5287	#28-5636	#29-5460	#30-5469
#31-5250	#32-5516	#33-5378	#34-5511	#35-5266	#36-5409	#37-5333	#38-5293	#39-5626	#40-5283
#41-5512	#42-5276	#43-5365	#44-5386	#45-5571	#46-5701	#47-5612	#48-5616	#49-5364	#50-5329
#51-5442	#52-5328	#53-5606	#54-5710	#55-5519	#56-5712	#57-5327	#58-5417	#59-5510	#60-5422
#61-5322	#62-5265	#63-5692	#64-5350	#65-5425	#66-5695	#67-5474	#68-5486	#69-5309	#70-5598
#71-5402	#72-5530	#73-5582	#74-5576	#75-5354	#76-5319	#77-5684	#78-5438	#79-5621	#80-5432
#81-5628	#82-5401	#83-5529	#84-5387	#85-5280	#86-5654	#87-5641	#88-5396	#89-5720	#90-5279
#91-5338	#92-5646	#93-5514	#94-5459	#95-5687	#96-5497	#97-5310	#98-5267	#99-5689	#100-5597

Type 6 #14 [Back to Summary]									
#01-5479	#02-5379	#03-5556	#04-5489	#05-5653	#06-5640	#07-5469	#08-5280	#09-5608	#10-5445
#11-5277	#12-5618	#13-5522	#14-5330	#15-5521	#16-5648	#17-5464	#18-5557	#19-5312	#20-5495
#21-5307	#22-5326	#23-5484	#24-5275	#25-5515	#26-5481	#27-5263	#28-5376	#29-5614	#30-5584
#31-5257	#32-5669	#33-5467	#34-5269	#35-5675	#36-5494	#37-5571	#38-5287	#39-5453	#40-5367
#41-5426	#42-5607	#43-5513	#44-5528	#45-5251	#46-5438	#47-5370	#48-5427	#49-5662	#50-5293
#51-5281	#52-5480	#53-5683	#54-5442	#55-5545	#56-5404	#57-5625	#58-5535	#59-5703	#60-5418
#61-5630	#62-5347	#63-5393	#64-5279	#65-5439	#66-5341	#67-5399	#68-5510	#69-5386	#70-5283
#71-5333	#72-5434	#73-5353	#74-5678	#75-5321	#76-5432	#77-5550	#78-5691	#79-5276	#80-5328
#81-5368	#82-5572	#83-5450	#84-5582	#85-5564	#86-5514	#87-5713	#88-5282	#89-5460	#90-5529
#91-5605	#92-5296	#93-5315	#94-5291	#95-5473	#96-5339	#97-5470	#98-5496	#99-5343	#100-5646

Type 6 #15 [Back to Summary]									
#01-5292	#02-5590	#03-5294	#04-5629	#05-5685	#06-5569	#07-5379	#08-5256	#09-5376	#10-5361
#11-5588	#12-5658	#13-5502	#14-5626	#15-5308	#16-5316	#17-5628	#18-5544	#19-5448	#20-5660
#21-5352	#22-5372	#23-5300	#24-5591	#25-5408	#26-5287	#27-5375	#28-5317	#29-5461	#30-5711
#31-5693	#32-5309	#33-5602	#34-5364	#35-5279	#36-5500	#37-5520	#38-5539	#39-5613	#40-5709
#41-5382	#42-5704	#43-5625	#44-5344	#45-5653	#46-5665	#47-5509	#48-5412	#49-5702	#50-5404
#51-5432	#52-5639	#53-5282	#54-5403	#55-5535	#56-5645	#57-5538	#58-5429	#59-5474	#60-5646
#61-5450	#62-5315	#63-5523	#64-5392	#65-5396	#66-5530	#67-5305	#68-5394	#69-5595	#70-5533
#71-5518	#72-5338	#73-5661	#74-5466	#75-5532	#76-5370	#77-5471	#78-5682	#79-5664	#80-5465
#81-5501	#82-5690	#83-5334	#84-5303	#85-5531	#86-5298	#87-5269	#88-5453	#89-5554	#90-5359
#91-5683	#92-5342	#93-5318	#94-5692	#95-5510	#96-5311	#97-5434	#98-5488	#99-5674	#100-5377

Type 6 #16 [Back to Summary]									
#01-5608	#02-5369	#03-5536	#04-5418	#05-5605	#06-5339	#07-5707	#08-5544	#09-5591	#10-5413
#11-5427	#12-5583	#13-5488	#14-5257	#15-5392	#16-5483	#17-5703	#18-5466	#19-5582	#20-5340
#21-5508	#22-5579	#23-5566	#24-5484	#25-5575	#26-5426	#27-5272	#28-5692	#29-5678	#30-5469
#31-5666	#32-5708	#33-5256	#34-5535	#35-5581	#36-5379	#37-5398	#38-5642	#39-5423	#40-5439
#41-5316	#42-5451	#43-5586	#44-5381	#45-5658	#46-5344	#47-5574	#48-5305	#49-5545	#50-5276
#51-5329	#52-5687	#53-5630	#54-5580	#55-5593	#56-5279	#57-5524	#58-5299	#59-5563	#60-5424
#61-5317	#62-5265	#63-5596	#64-5368	#65-5472	#66-5444	#67-5577	#68-5677	#69-5397	#70-5261
#71-5331	#72-5311	#73-5292	#74-5393	#75-5275	#76-5307	#77-5721	#78-5435	#79-5553	#80-5481
#81-5584	#82-5690	#83-5396	#84-5654	#85-5389	#86-5704	#87-5328	#88-5403	#89-5672	#90-5551
#91-5585	#92-5353	#93-5325	#94-5250	#95-5374	#96-5304	#97-5595	#98-5467	#99-5640	#100-5465

Type 6 #17 [Back to Summary]									
#01-5495	#02-5625	#03-5632	#04-5535	#05-5670	#06-5269	#07-5646	#08-5484	#09-5556	#10-5532
#11-5282	#12-5346	#13-5469	#14-5338	#15-5574	#16-5353	#17-5594	#18-5664	#19-5706	#20-5490
#21-5366	#22-5426	#23-5252	#24-5571	#25-5404	#26-5704	#27-5713	#28-5291	#29-5268	#30-5693
#31-5442	#32-5507	#33-5517	#34-5339	#35-5708	#36-5675	#37-5308	#38-5583	#39-5705	#40-5371
#41-5309	#42-5563	#43-5564	#44-5388	#45-5518	#46-5479	#47-5604	#48-5710	#49-5400	#50-5271
#51-5433	#52-5645	#53-5478	#54-5392	#55-5345	#56-5317	#57-5620	#58-5311	#59-5381	#60-5688
#61-5283	#62-5603	#63-5466	#64-5587	#65-5342	#66-5499	#67-5550	#68-5383	#69-5357	#70-5621
#71-5295	#72-5258	#73-5680	#74-5584	#75-5436	#76-5525	#77-5586	#78-5590	#79-5301	#80-5648
#81-5351	#82-5251	#83-5614	#84-5723	#85-5508	#86-5519	#87-5276	#88-5377	#89-5718	#90-5640
#91-5306	#92-5721	#93-5453	#94-5266	#95-5340	#96-5429	#97-5352	#98-5699	#99-5299	#100-5273

Type 6 #18 [Back to Summary]									
#01-5655	#02-5472	#03-5603	#04-5504	#05-5700	#06-5423	#07-5690	#08-5620	#09-5681	#10-5543
#11-5452	#12-5281	#13-5258	#14-5455	#15-5589	#16-5280	#17-5715	#18-5469	#19-5327	#20-5545
#21-5473	#22-5425	#23-5386	#24-5437	#25-5566	#26-5298	#27-5529	#28-5664	#29-5497	#30-5257
#31-5426	#32-5608	#33-5542	#34-5282	#35-5717	#36-5600	#37-5370	#38-5358	#39-5272	#40-5336
#41-5555	#42-5378	#43-5414	#44-5421	#45-5436	#46-5273	#47-5712	#48-5722	#49-5398	#50-5309
#51-5440	#52-5602	#53-5628	#54-5479	#55-5523	#56-5481	#57-5334	#58-5412	#59-5662	#60-5651
#61-5622	#62-5276	#63-5373	#64-5675	#65-5364	#66-5573	#67-5465	#68-5702	#69-5466	#70-5713
#71-5632	#72-5604	#73-5447	#74-5716	#75-5711	#76-5343	#77-5261	#78-5686	#79-5253	#80-5541
#81-5312	#82-5530	#83-5514	#84-5439	#85-5546	#86-5553	#87-5701	#88-5317	#89-5484	#90-5490
#91-5516	#92-5677	#93-5415	#94-5344	#95-5434	#96-5527	#97-5254	#98-5463	#99-5306	#100-5587

Type 6 #19 [Back to Summary]									
#01-5532	#02-5259	#03-5506	#04-5410	#05-5399	#06-5558	#07-5402	#08-5635	#09-5484	#10-5426
#11-5466	#12-5366	#13-5412	#14-5367	#15-5594	#16-5337	#17-5488	#18-5661	#19-5379	#20-5541
#21-5595	#22-5396	#23-5472	#24-5702	#25-5448	#26-5676	#27-5435	#28-5349	#29-5530	#30-5439
#31-5338	#32-5523	#33-5637	#34-5388	#35-5262	#36-5299	#37-5275	#38-5353	#39-5290	#40-5714
#41-5404	#42-5320	#43-5564	#44-5306	#45-5272	#46-5403	#47-5528	#48-5303	#49-5486	#50-5352
#51-5293	#52-5322	#53-5339	#54-5502	#55-5721	#56-5389	#57-5522	#58-5542	#59-5689	#60-5457
#61-5375	#62-5300	#63-5360	#64-5295	#65-5335	#66-5673	#67-5469	#68-5269	#69-5363	#70-5554
#71-5316	#72-5390	#73-5625	#74-5406	#75-5398	#76-5535	#77-5578	#78-5428	#79-5682	#80-5297
#81-5418	#82-5391	#83-5609	#84-5443	#85-5409	#86-5271	#87-5452	#88-5407	#89-5411	#90-5614
#91-5529	#92-5489	#93-5401	#94-5582	#95-5604	#96-5354	#97-5695	#98-5526	#99-5700	#100-5328

Type 6 #20 [Back to Summary]									
#01-5665	#02-5500	#03-5671	#04-5661	#05-5286	#06-5635	#07-5425	#08-5668	#09-5354	#10-5450
#11-5542	#12-5348	#13-5574	#14-5638	#15-5295	#16-5715	#17-5423	#18-5650	#19-5620	#20-5311
#21-5484	#22-5316	#23-5597	#24-5476	#25-5276	#26-5565	#27-5713	#28-5302	#29-5523	#30-5285
#31-5551	#32-5305	#33-5440	#34-5600	#35-5359	#36-5625	#37-5434	#38-5659	#39-5390	#40-5482
#41-5568	#42-5490	#43-5284	#44-5670	#45-5310	#46-5411	#47-5616	#48-5473	#49-5518	#50-5598
#51-5649	#52-5287	#53-5608	#54-5633	#55-5561	#56-5593	#57-5623	#58-5438	#59-5636	#60-5441
#61-5648	#62-5371	#63-5388	#64-5320	#65-5618	#66-5487	#67-5631	#68-5701	#69-5527	#70-5391
#71-5524	#72-5485	#73-5507	#74-5386	#75-5460	#76-5720	#77-5274	#78-5658	#79-5413	#80-5582
#81-5677	#82-5479	#83-5503	#84-5651	#85-5356	#86-5510	#87-5408	#88-5528	#89-5280	#90-5474
#91-5251	#92-5718	#93-5270	#94-5675	#95-5554	#96-5439	#97-5345	#98-5694	#99-5294	#100-5539

Type 6 #21 [Back to Summary]									
#01-5505	#02-5645	#03-5668	#04-5374	#05-5320	#06-5410	#07-5500	#08-5469	#09-5419	#10-5572
#11-5569	#12-5694	#13-5272	#14-5296	#15-5495	#16-5409	#17-5592	#18-5466	#19-5683	#20-5356
#21-5323	#22-5352	#23-5664	#24-5298	#25-5393	#26-5538	#27-5467	#28-5567	#29-5557	#30-5267
#31-5621	#32-5311	#33-5613	#34-5602	#35-5334	#36-5278	#37-5544	#38-5384	#39-5581	#40-5677
#41-5263	#42-5673	#43-5363	#44-5440	#45-5640	#46-5284	#47-5698	#48-5704	#49-5427	#50-5400
#51-5582	#52-5608	#53-5259	#54-5661	#55-5471	#56-5403	#57-5707	#58-5619	#59-5710	#60-5509
#61-5667	#62-5655	#63-5634	#64-5398	#65-5676	#66-5504	#67-5330	#68-5394	#69-5688	#70-5464
#71-5587	#72-5455	#73-5607	#74-5256	#75-5342	#76-5375	#77-5717	#78-5475	#79-5382	#80-5358
#81-5560	#82-5488	#83-5389	#84-5411	#85-5415	#86-5262	#87-5301	#88-5672	#89-5379	#90-5652
#91-5297	#92-5644	#93-5402	#94-5318	#95-5255	#96-5332	#97-5286	#98-5686	#99-5491	#100-5383

Type 6 #22 [Back to Summary]									
#01-5677	#02-5548	#03-5263	#04-5682	#05-5530	#06-5372	#07-5719	#08-5253	#09-5569	#10-5343
#11-5411	#12-5479	#13-5484	#14-5599	#15-5667	#16-5429	#17-5517	#18-5477	#19-5712	#20-5661
#21-5455	#22-5379	#23-5266	#24-5283	#25-5419	#26-5665	#27-5310	#28-5544	#29-5250	#30-5264
#31-5344	#32-5284	#33-5713	#34-5255	#35-5408	#36-5271	#37-5478	#38-5436	#39-5603	#40-5295
#41-5273	#42-5304	#43-5360	#44-5294	#45-5501	#46-5547	#47-5421	#48-5531	#49-5381	#50-5558
#51-5541	#52-5534	#53-5697	#54-5555	#55-5647	#56-5551	#57-5535	#58-5705	#59-5512	#60-5592
#61-5319	#62-5428	#63-5252	#64-5564	#65-5254	#66-5385	#67-5494	#68-5482	#69-5445	#70-5652
#71-5679	#72-5339	#73-5608	#74-5673	#75-5644	#76-5412	#77-5282	#78-5702	#79-5511	#80-5605
#81-5503	#82-5508	#83-5418	#84-5425	#85-5452	#86-5540	#87-5314	#88-5414	#89-5334	#90-5591
#91-5461	#92-5496	#93-5645	#94-5268	#95-5700	#96-5574	#97-5302	#98-5525	#99-5292	#100-5368

Type 6 #23 [Back to Summary]									
#01-5300	#02-5659	#03-5334	#04-5448	#05-5597	#06-5452	#07-5651	#08-5273	#09-5627	#10-5488
#11-5518	#12-5555	#13-5443	#14-5635	#15-5336	#16-5529	#17-5256	#18-5552	#19-5357	#20-5437
#21-5321	#22-5327	#23-5400	#24-5582	#25-5444	#26-5434	#27-5414	#28-5593	#29-5699	#30-5328
#31-5366	#32-5481	#33-5670	#34-5395	#35-5553	#36-5570	#37-5425	#38-5697	#39-5551	#40-5724
#41-5612	#42-5283	#43-5512	#44-5569	#45-5315	#46-5630	#47-5297	#48-5260	#49-5654	#50-5420
#51-5561	#52-5469	#53-5415	#54-5574	#55-5293	#56-5701	#57-5509	#58-5478	#59-5254	#60-5410
#61-5286	#62-5311	#63-5303	#64-5549	#65-5374	#66-5290	#67-5617	#68-5302	#69-5340	#70-5497
#71-5359	#72-5285	#73-5250	#74-5364	#75-5560	#76-5288	#77-5543	#78-5564	#79-5516	#80-5542
#81-5391	#82-5409	#83-5669	#84-5530	#85-5498	#86-5631	#87-5317	#88-5352	#89-5360	#90-5587
#91-5313	#92-5678	#93-5693	#94-5396	#95-5690	#96-5557	#97-5710	#98-5688	#99-5453	#100-5277

Type 6 #24 [Back to Summary]									
#01-5265	#02-5250	#03-5651	#04-5409	#05-5318	#06-5525	#07-5467	#08-5310	#09-5269	#10-5258
#11-5413	#12-5679	#13-5692	#14-5443	#15-5279	#16-5607	#17-5374	#18-5503	#19-5309	#20-5478
#21-5703	#22-5520	#23-5671	#24-5484	#25-5436	#26-5407	#27-5324	#28-5587	#29-5395	#30-5253
#31-5305	#32-5579	#33-5364	#34-5489	#35-5530	#36-5389	#37-5483	#38-5511	#39-5462	#40-5695
#41-5410	#42-5254	#43-5333	#44-5349	#45-5424	#46-5358	#47-5707	#48-5508	#49-5368	#50-5336
#51-5435	#52-5465	#53-5634	#54-5697	#55-5302	#56-5480	#57-5304	#58-5426	#59-5700	#60-5637
#61-5460	#62-5609	#63-5642	#64-5267	#65-5678	#66-5563	#67-5572	#68-5463	#69-5643	#70-5616
#71-5380	#72-5594	#73-5293	#74-5341	#75-5322	#76-5701	#77-5445	#78-5581	#79-5317	#80-5335
#81-5432	#82-5551	#83-5481	#84-5315	#85-5556	#86-5575	#87-5669	#88-5394	#89-5439	#90-5300
#91-5340	#92-5313	#93-5540	#94-5555	#95-5500	#96-5535	#97-5345	#98-5319	#99-5398	#100-5595

Type 6 #25 [Back to Summary]									
#01-5511	#02-5497	#03-5584	#04-5472	#05-5679	#06-5561	#07-5414	#08-5544	#09-5628	#10-5324
#11-5283	#12-5448	#13-5354	#14-5619	#15-5458	#16-5635	#17-5381	#18-5578	#19-5437	#20-5357
#21-5613	#22-5426	#23-5274	#24-5591	#25-5531	#26-5316	#27-5309	#28-5468	#29-5573	#30-5518
#31-5616	#32-5373	#33-5435	#34-5453	#35-5545	#36-5657	#37-5689	#38-5723	#39-5355	#40-5712
#41-5400	#42-5372	#43-5487	#44-5351	#45-5266	#46-5608	#47-5680	#48-5639	#49-5335	#50-5581
#51-5391	#52-5482	#53-5599	#54-5280	#55-5698	#56-5330	#57-5471	#58-5718	#59-5666	#60-5610
#61-5500	#62-5673	#63-5696	#64-5358	#65-5433	#66-5633	#67-5261	#68-5625	#69-5321	#70-5528
#71-5670	#72-5383	#73-5467	#74-5449	#75-5681	#76-5485	#77-5663	#78-5643	#79-5566	#80-5647
#81-5360	#82-5395	#83-5375	#84-5715	#85-5369	#86-5378	#87-5499	#88-5403	#89-5480	#90-5456
#91-5425	#92-5692	#93-5300	#94-5470	#95-5459	#96-5450	#97-5399	#98-5368	#99-5642	#100-5348

Type 6 #26 [Back to Summary]									
#01-5593	#02-5303	#03-5561	#04-5532	#05-5635	#06-5257	#07-5262	#08-5397	#09-5327	#10-5460
#11-5393	#12-5553	#13-5399	#14-5268	#15-5499	#16-5353	#17-5547	#18-5706	#19-5710	#20-5308
#21-5384	#22-5585	#23-5396	#24-5592	#25-5350	#26-5703	#27-5329	#28-5724	#29-5715	#30-5477
#31-5335	#32-5539	#33-5250	#34-5465	#35-5306	#36-5312	#37-5565	#38-5574	#39-5334	#40-5371
#41-5373	#42-5359	#43-5332	#44-5274	#45-5319	#46-5609	#47-5549	#48-5290	#49-5696	#50-5367
#51-5637	#52-5430	#53-5403	#54-5591	#55-5698	#56-5261	#57-5636	#58-5692	#59-5440	#60-5655
#61-5654	#62-5265	#63-5415	#64-5576	#65-5382	#66-5580	#67-5551	#68-5659	#69-5684	#70-5444
#71-5514	#72-5695	#73-5623	#74-5595	#75-5662	#76-5280	#77-5503	#78-5376	#79-5521	#80-5473
#81-5414	#82-5289	#83-5278	#84-5608	#85-5567	#86-5638	#87-5405	#88-5394	#89-5489	#90-5297
#91-5410	#92-5594	#93-5392	#94-5411	#95-5446	#96-5358	#97-5674	#98-5485	#99-5624	#100-5469

Type 6 #27 [Back to Summary]									
#01-5302	#02-5612	#03-5328	#04-5510	#05-5569	#06-5661	#07-5522	#08-5523	#09-5649	#10-5674
#11-5478	#12-5509	#13-5420	#14-5688	#15-5493	#16-5615	#17-5712	#18-5521	#19-5256	#20-5458
#21-5427	#22-5408	#23-5417	#24-5640	#25-5286	#26-5648	#27-5559	#28-5469	#29-5400	#30-5556
#31-5326	#32-5273	#33-5471	#34-5309	#35-5415	#36-5524	#37-5686	#38-5488	#39-5285	#40-5631
#41-5362	#42-5598	#43-5462	#44-5540	#45-5541	#46-5613	#47-5412	#48-5423	#49-5630	#50-5547
#51-5365	#52-5393	#53-5472	#54-5403	#55-5280	#56-5617	#57-5439	#58-5405	#59-5474	#60-5650
#61-5346	#62-5297	#63-5364	#64-5339	#65-5595	#66-5456	#67-5288	#68-5360	#69-5520	#70-5703
#71-5659	#72-5475	#73-5490	#74-5347	#75-5345	#76-5564	#77-5677	#78-5608	#79-5350	#80-5395
#81-5484	#82-5381	#83-5575	#84-5588	#85-5438	#86-5658	#87-5530	#88-5312	#89-5274	#90-5535
#91-5325	#92-5531	#93-5264	#94-5367	#95-5539	#96-5314	#97-5483	#98-5374	#99-5676	#100-5330

Type 6 #28 [Back to Summary]									
#01-5574	#02-5304	#03-5633	#04-5653	#05-5614	#06-5620	#07-5637	#08-5373	#09-5309	#10-5448
#11-5667	#12-5555	#13-5308	#14-5325	#15-5414	#16-5691	#17-5455	#18-5507	#19-5626	#20-5665
#21-5657	#22-5700	#23-5336	#24-5714	#25-5615	#26-5380	#27-5453	#28-5369	#29-5538	#30-5281
#31-5327	#32-5545	#33-5661	#34-5269	#35-5546	#36-5426	#37-5475	#38-5639	#39-5695	#40-5536
#41-5265	#42-5399	#43-5254	#44-5550	#45-5584	#46-5492	#47-5464	#48-5668	#49-5678	#50-5563
#51-5581	#52-5697	#53-5466	#54-5255	#55-5395	#56-5595	#57-5692	#58-5640	#59-5283	#60-5480
#61-5411	#62-5511	#63-5551	#64-5276	#65-5368	#66-5363	#67-5617	#68-5289	#69-5496	#70-5712
#71-5459	#72-5532	#73-5530	#74-5335	#75-5646	#76-5501	#77-5694	#78-5502	#79-5372	#80-5374
#81-5635	#82-5509	#83-5415	#84-5702	#85-5419	#86-5351	#87-5326	#88-5655	#89-5592	#90-5674
#91-5451	#92-5553	#93-5601	#94-5452	#95-5371	#96-5470	#97-5565	#98-5706	#99-5425	#100-5465

Type 6 #29 [Back to Summary]									
#01-5598	#02-5428	#03-5415	#04-5690	#05-5352	#06-5295	#07-5408	#08-5385	#09-5330	#10-5617
#11-5631	#12-5438	#13-5519	#14-5633	#15-5569	#16-5625	#17-5346	#18-5580	#19-5576	#20-5264
#21-5287	#22-5689	#23-5414	#24-5548	#25-5502	#26-5634	#27-5658	#28-5326	#29-5683	#30-5424
#31-5663	#32-5715	#33-5323	#34-5626	#35-5498	#36-5460	#37-5348	#38-5453	#39-5594	#40-5375
#41-5673	#42-5668	#43-5572	#44-5706	#45-5291	#46-5272	#47-5288	#48-5701	#49-5610	#50-5475
#51-5376	#52-5713	#53-5374	#54-5416	#55-5434	#56-5632	#57-5262	#58-5585	#59-5439	#60-5448
#61-5363	#62-5328	#63-5427	#64-5629	#65-5678	#66-5640	#67-5358	#68-5608	#69-5380	#70-5356
#71-5525	#72-5614	#73-5708	#74-5452	#75-5314	#76-5341	#77-5362	#78-5436	#79-5507	#80-5482
#81-5587	#82-5679	#83-5440	#84-5461	#85-5294	#86-5672	#87-5582	#88-5635	#89-5447	#90-5584
#91-5449	#92-5485	#93-5263	#94-5398	#95-5260	#96-5589	#97-5493	#98-5669	#99-5276	#100-5378

Type 6 #30 [Back to Summary]									
#01-5639	#02-5398	#03-5570	#04-5506	#05-5674	#06-5480	#07-5254	#08-5650	#09-5347	#10-5338
#11-5522	#12-5555	#13-5333	#14-5684	#15-5579	#16-5409	#17-5617	#18-5696	#19-5584	#20-5255
#21-5301	#22-5448	#23-5418	#24-5512	#25-5636	#26-5294	#27-5604	#28-5554	#29-5436	#30-5450
#31-5577	#32-5415	#33-5404	#34-5375	#35-5564	#36-5443	#37-5358	#38-5657	#39-5505	#40-5539
#41-5671	#42-5665	#43-5533	#44-5354	#45-5317	#46-5616	#47-5394	#48-5305	#49-5545	#50-5580
#51-5702	#52-5518	#53-5331	#54-5270	#55-5325	#56-5439	#57-5707	#58-5306	#59-5597	#60-5630
#61-5602	#62-5422	#63-5462	#64-5624	#65-5483	#66-5353	#67-5395	#68-5683	#69-5366	#70-5384
#71-5296	#72-5690	#73-5438	#74-5291	#75-5310	#76-5363	#77-5641	#78-5311	#79-5447	#80-5268
#81-5622	#82-5548	#83-5260	#84-5587	#85-5477	#86-5307	#87-5335	#88-5388	#89-5299	#90-5380
#91-5469	#92-5302	#93-5313	#94-5607	#95-5667	#96-5500	#97-5458	#98-5643	#99-5598	#100-5694

Type 5 #1 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	3	8	22797	96	1286	1084	897621	923076
2	3	8	902	82	1689	1117	919122	923076
3	1	8	679151	69	0	0	243856	923076
4	3	8	64866	93	1016	1465	855450	923076
5	3	8	872257	100	1253	1501	47765	923076
6	1	8	276911	63	0	0	646102	923076
7	2	8	218501	87	1070	0	703331	923076
8	1	8	664961	74	0	0	258041	923076
9	1	8	295343	73	0	0	627660	923076
10	2	8	455448	63	1052	0	466450	923076
11	1	8	887623	54	0	0	35399	923076
12	1	8	279586	87	0	0	643403	923076
13	3	8	384717	63	1067	1913	535190	923076

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	2	13	746016	69	1382	0	252464	1000000
2	3	13	232124	80	1029	1665	764942	1000000
3	3	13	122911	52	1822	1055	874056	1000000
4	3	13	467211	77	1332	1724	529502	1000000
5	1	13	943306	52	0	0	56642	1000000
6	1	13	167331	90	0	0	832579	1000000
7	3	13	705915	87	1340	1995	290489	1000000
8	1	13	133233	60	0	0	866707	1000000
9	3	13	854949	82	1081	1034	142690	1000000
10	2	13	635123	68	1158	0	363583	1000000
11	3	13	176753	100	1826	1564	819557	1000000
12	3	13	144917	97	1815	1557	851420	1000000

Type 5 #3 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	1	8	67506	93	0	0	599067	666666
2	1	8	257859	89	0	0	408718	666666
3	1	8	291750	94	0	0	374822	666666
4	3	8	501311	82	1843	1532	161734	666666
5	2	8	267427	71	1901	0	397196	666666
6	1	8	484620	81	0	0	181965	666666
7	2	8	93301	75	1739	0	571476	666666
8	3	8	459056	56	1932	1823	203687	666666
9	3	8	658078	52	1267	1538	5627	666666
10	3	8	32835	69	1871	1588	630165	666666
11	1	8	264526	71	0	0	402069	666666
12	1	8	141734	85	0	0	524847	666666
13	2	8	591180	81	1044	0	74280	666666
14	2	8	370381	94	1811	0	294286	666666
15	3	8	305699	51	1385	1453	357976	666666
16	1	8	274885	68	0	0	391713	666666
17	1	8	91895	62	0	0	574709	666666
18	1	8	390226	72	0	0	276368	666666

Type 5 #4 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	19	462917	58	0	0	537025	1000000
2	2	19	620399	79	1109	0	378334	1000000
3	1	19	664743	94	0	0	335163	1000000
4	3	19	173608	72	1742	1232	823202	1000000
5	1	19	918701	97	0	0	81202	1000000
6	3	19	870012	81	1435	1844	126466	1000000
7	2	19	450899	88	1476	0	547449	1000000
8	1	19	702340	91	0	0	297569	1000000
9	3	19	390265	98	1302	1111	607028	1000000
10	1	19	891480	96	0	0	108424	1000000
11	1	19	831051	60	0	0	168889	1000000
12	1	19	980750	66	0	0	19184	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	1	17	284002	57	0	0	421823	705882
2	2	17	207776	60	1459	0	496527	705882
3	2	17	573639	63	1225	0	130892	705882
4	2	17	457743	76	1647	0	246340	705882
5	3	17	293237	57	1675	1426	409373	705882
6	1	17	402770	72	0	0	303040	705882
7	2	17	345974	93	1494	0	358228	705882
8	3	17	403436	74	1833	1859	298532	705882
9	2	17	403611	76	1904	0	300215	705882
10	3	17	323431	80	1198	1370	379643	705882
11	1	17	465873	78	0	0	239931	705882
12	2	17	218574	86	1632	0	485504	705882
13	3	17	537943	60	1059	1953	164747	705882
14	1	17	91973	62	0	0	613847	705882
15	3	17	450191	90	1432	1074	252915	705882
16	3	17	170277	96	1354	1582	532381	705882
17	3	17	307725	93	1883	1714	394281	705882

Type 5 #6 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	20	509213	61	1456	1951	118775	631578
2	3	20	422409	67	1193	1240	206535	631578
3	3	20	511505	75	1257	1019	117572	631578
4	1	20	336235	70	0	0	295273	631578
5	1	20	609246	60	0	0	22272	631578
6	3	20	310634	79	1416	1829	317462	631578
7	3	20	516878	73	1274	1289	111918	631578
8	1	20	248402	77	0	0	383099	631578
9	1	20	134387	83	0	0	497108	631578
10	1	20	514094	72	0	0	117412	631578
11	1	20	297405	98	0	0	334075	631578
12	2	20	555463	63	1923	0	74066	631578
13	3	20	548537	99	1252	1925	79567	631578
14	2	20	610857	88	1241	0	19304	631578
15	3	20	116035	51	1746	1732	511912	631578
16	2	20	604648	83	1371	0	25393	631578
17	2	20	263724	70	1604	0	366110	631578
18	2	20	231552	72	1077	0	398805	631578
19	3	20	294845	97	1186	1575	333681	631578

Type 5 #7 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	1	8	145326	99	0	0	560457	705882
2	1	8	556450	91	0	0	149341	705882
3	1	8	651654	94	0	0	54134	705882
4	2	8	320425	93	1320	0	383951	705882
5	3	8	636974	65	1164	1214	66335	705882
6	1	8	100735	78	0	0	605069	705882
7	3	8	135190	90	1882	1064	567476	705882
8	1	8	164341	59	0	0	541482	705882
9	1	8	616900	69	0	0	88913	705882
10	1	8	648257	55	0	0	57570	705882
11	1	8	104443	50	0	0	601389	705882
12	3	8	704488	66	1349	1147	-1300	705882
13	2	8	25005	53	1179	0	679592	705882
14	3	8	437962	74	1988	1381	264329	705882
15	3	8	170019	69	1681	1693	532282	705882
16	2	8	351026	85	1292	0	353394	705882
17	3	8	400791	59	1294	1149	302471	705882

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	2	8	273935	78	1052	0	524857	800000
2	3	8	235480	69	1229	1723	561361	800000
3	2	8	166355	82	1964	0	631517	800000
4	1	8	246992	89	0	0	552919	800000
5	1	8	799492	55	0	0	453	800000
6	2	8	14864	95	1181	0	783765	800000
7	3	8	90118	55	1369	1138	707210	800000
8	1	8	190401	79	0	0	609520	800000
9	3	8	707468	96	1768	1774	88702	800000
10	3	8	379074	76	1536	1114	418048	800000
11	3	8	265784	90	1283	1188	531475	800000
12	1	8	609781	60	0	0	190159	800000
13	2	8	740156	60	1899	0	57825	800000
14	2	8	510831	72	1851	0	287174	800000
15	2	8	187005	77	1718	0	611123	800000

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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	854237	63	1349	1152	143073	1000000
2	3	15	779880	83	1806	1514	216551	1000000
3	3	15	958488	72	1558	1876	37862	1000000
4	2	15	122201	53	1685	0	876008	1000000
5	1	15	884936	71	0	0	114993	1000000
6	3	15	88341	55	1724	1944	907826	1000000
7	1	15	550782	83	0	0	449135	1000000
8	3	15	510221	67	1541	1444	486593	1000000
9	1	15	735664	98	0	0	264238	1000000
10	3	15	229324	84	1465	1134	767825	1000000
11	1	15	135209	99	0	0	864692	1000000
12	1	15	972514	87	0	0	27399	1000000

Type 5 #10 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	16	406449	90	1604	1325	257018	666666
2	3	16	82749	82	1495	1286	580890	666666
3	2	16	430584	67	1931	0	234017	666666
4	2	16	102564	90	1390	0	562532	666666
5	2	16	564526	91	1268	0	100690	666666
6	2	16	368998	70	1643	0	295885	666666
7	1	16	110404	52	0	0	556210	666666
8	1	16	360388	57	0	0	306221	666666
9	2	16	91721	83	1466	0	573313	666666
10	1	16	27152	53	0	0	639461	666666
11	3	16	595693	95	1492	1778	67418	666666
12	3	16	508109	57	1786	1057	155543	666666
13	1	16	572435	61	0	0	94170	666666
14	2	16	510036	51	1608	0	154920	666666
15	1	16	169597	75	0	0	496994	666666
16	3	16	73834	56	1688	1926	589050	666666
17	1	16	422596	84	0	0	243986	666666
18	3	16	100837	97	1776	1646	562116	666666

Type 5 #11 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	2	7	88418	81	1867	0	576219	666666
2	2	7	263097	85	1275	0	402124	666666
3	2	7	17762	76	1471	0	647281	666666
4	1	7	39460	55	0	0	627151	666666
5	1	7	74137	86	0	0	592443	666666
6	3	7	492119	84	1378	1448	171469	666666
7	3	7	470472	71	1532	1479	192970	666666
8	1	7	654163	53	0	0	12450	666666
9	3	7	257354	100	1254	1071	406687	666666
10	1	7	83636	58	0	0	582972	666666
11	3	7	287234	59	1136	1350	376769	666666
12	3	7	10222	75	1948	1026	653245	666666
13	2	7	12186	77	1643	0	652683	666666
14	1	7	635937	82	0	0	30647	666666
15	1	7	229686	56	0	0	436924	666666
16	1	7	510526	73	0	0	156067	666666
17	2	7	131176	71	1203	0	534145	666666
18	3	7	263881	87	1287	1181	400056	666666

Type 5 #12 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	2	16	442117	86	1428	0	756283	1200000
2	1	16	207439	77	0	0	992484	1200000
3	2	16	735545	53	1169	0	463180	1200000
4	3	16	660979	65	1739	1415	535672	1200000
5	3	16	1002330	58	1606	1906	193984	1200000
6	1	16	457750	62	0	0	742188	1200000
7	1	16	773202	58	0	0	426740	1200000
8	2	16	196572	88	1099	0	1002153	1200000
9	1	16	29042	84	0	0	1170874	1200000
10	1	16	209589	84	0	0	990327	1200000

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	3	10	487498	87	1461	1112	215550	705882
2	2	10	558516	98	1285	0	145885	705882
3	2	10	113468	96	1425	0	590797	705882
4	1	10	177663	60	0	0	528159	705882
5	2	10	234915	94	1267	0	469512	705882
6	1	10	65874	78	0	0	639930	705882
7	3	10	50330	80	1548	1346	652418	705882
8	3	10	444944	100	1638	1577	257423	705882
9	1	10	164522	69	0	0	541291	705882
10	2	10	6291	89	1693	0	697720	705882
11	1	10	315291	69	0	0	390522	705882
12	3	10	205397	90	1464	1316	497435	705882
13	1	10	334976	94	0	0	370812	705882
14	2	10	249739	62	1267	0	454752	705882
15	2	10	461685	58	1573	0	242508	705882
16	2	10	644311	56	1496	0	59963	705882
17	3	10	414098	73	1874	1852	287839	705882

Type 5 #14 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	3	12	454215	93	1285	1571	633559	1090909
2	3	12	368518	98	1990	1392	718715	1090909
3	2	12	903560	92	1650	0	185515	1090909
4	3	12	116120	91	1295	1726	971495	1090909
5	3	12	379377	62	1018	1766	708562	1090909
6	1	12	80557	68	0	0	1010284	1090909
7	1	12	371232	75	0	0	719602	1090909
8	1	12	638699	93	0	0	452117	1090909
9	3	12	536769	97	1280	1798	550771	1090909
10	1	12	259424	97	0	0	831388	1090909
11	1	12	788274	51	0	0	302584	1090909

Type 5 #15 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	17954	81	0	0	687847	705882
2	2	15	660578	63	1353	0	43825	705882
3	2	15	500795	87	1970	0	202943	705882
4	3	15	370212	74	1827	1028	332593	705882
5	2	15	207222	98	1874	0	496590	705882
6	1	15	156980	54	0	0	548848	705882
7	3	15	392297	94	1765	1113	310425	705882
8	1	15	267405	55	0	0	438422	705882
9	1	15	1908	57	0	0	703917	705882
10	1	15	658962	75	0	0	46845	705882
11	1	15	655060	89	0	0	50733	705882
12	2	15	57539	80	1218	0	646965	705882
13	3	15	48272	94	1732	1209	654387	705882
14	1	15	693396	99	0	0	12387	705882
15	3	15	402159	51	1153	1768	300649	705882
16	2	15	665705	72	1385	0	38648	705882
17	3	15	356552	72	1189	1279	346646	705882

Type 5 #16 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	106933	72	1239	0	523262	631578
2	1	19	18422	53	0	0	613103	631578
3	2	19	76774	76	1247	0	553405	631578
4	1	19	492845	71	0	0	138662	631578
5	1	19	87723	92	0	0	543763	631578
6	3	19	354174	71	1542	1930	273719	631578
7	3	19	65329	97	1076	1819	563063	631578
8	3	19	221132	66	1128	1047	408073	631578
9	1	19	173370	93	0	0	458115	631578
10	3	19	3742	98	1385	1693	624464	631578
11	3	19	212720	84	1004	1061	416541	631578
12	2	19	462266	91	1982	0	167148	631578
13	2	19	438411	54	1092	0	191967	631578
14	1	19	431897	90	0	0	199591	631578
15	1	19	510420	65	0	0	121093	631578
16	2	19	309288	83	1224	0	320900	631578
17	2	19	433684	77	1669	0	196071	631578
18	1	19	570281	70	0	0	61227	631578
19	3	19	152344	67	1813	1313	475907	631578

Type 5 #17 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	2	8	474197	80	1248	0	191061	666666
2	2	8	508555	69	1198	0	156775	666666
3	1	8	254449	94	0	0	412123	666666
4	3	8	37712	53	1441	1395	625959	666666
5	3	8	653779	69	1112	1104	10464	666666
6	1	8	476437	52	0	0	190177	666666
7	3	8	631912	70	1837	1248	31459	666666
8	2	8	17802	62	1977	0	646763	666666
9	2	8	631852	68	1915	0	32763	666666
10	3	8	243526	84	1548	1554	419786	666666
11	3	8	95900	88	1361	1271	567870	666666
12	3	8	551363	87	1134	1321	112587	666666
13	3	8	495727	86	1026	1077	168578	666666
14	2	8	19982	59	1419	0	645147	666666
15	1	8	585608	51	0	0	81007	666666
16	3	8	232082	100	1555	1508	431221	666666
17	2	8	448591	71	1079	0	216854	666666
18	2	8	496575	64	1311	0	168652	666666

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	19	809541	62	1803	1911	43701	857142
2	1	19	209578	87	0	0	647477	857142
3	1	19	631428	63	0	0	225651	857142
4	2	19	279022	91	1374	0	576564	857142
5	1	19	656638	98	0	0	200406	857142
6	1	19	147451	68	0	0	709623	857142
7	1	19	428107	66	0	0	428969	857142
8	1	19	71201	68	0	0	785873	857142
9	1	19	147016	85	0	0	710041	857142
10	2	19	366982	69	1352	0	488670	857142
11	1	19	438977	50	0	0	418115	857142
12	1	19	41667	95	0	0	815380	857142
13	3	19	449463	61	1975	1721	403800	857142
14	2	19	345952	65	1776	0	509284	857142

Type 5 #19 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	15	463916	55	0	0	1036029	1500000
2	3	15	141228	95	1596	1399	1355492	1500000
3	2	15	646305	79	1660	0	851877	1500000
4	2	15	35775	72	1415	0	1462666	1500000
5	2	15	1303150	91	1178	0	195490	1500000
6	3	15	63452	79	1949	1351	1433011	1500000
7	1	15	1337471	63	0	0	162466	1500000
8	3	15	567483	79	1740	1991	928549	1500000

Type 5 #20 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	6	546620	99	1013	1295	156657	705882
2	1	6	657517	64	0	0	48301	705882
3	2	6	456589	72	1926	0	247223	705882
4	1	6	180940	83	0	0	524859	705882
5	1	6	457141	90	0	0	248651	705882
6	3	6	28846	86	1425	1807	673546	705882
7	3	6	568285	88	1994	1154	134185	705882
8	3	6	185450	67	1386	1317	517528	705882
9	2	6	211161	72	1855	0	492722	705882
10	1	6	193511	50	0	0	512321	705882
11	2	6	221240	69	1931	0	482573	705882
12	2	6	211958	66	1172	0	492620	705882
13	3	6	334915	68	1250	1775	367738	705882
14	1	6	475291	61	0	0	230530	705882
15	3	6	164609	63	1735	1931	537418	705882
16	3	6	567831	90	1728	1411	134642	705882
17	3	6	536817	89	1185	1367	166246	705882

Type 5 #21 5566 [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	448343	96	1318	0	216813	666666
2	2	5	39660	50	1836	0	625070	666666
3	2	5	220608	61	1645	0	444291	666666
4	1	5	296776	95	0	0	369795	666666
5	1	5	295304	97	0	0	371265	666666
6	2	5	348915	80	1815	0	315776	666666
7	3	5	477341	66	1022	1544	186561	666666
8	2	5	79539	57	1917	0	585096	666666
9	1	5	217091	70	0	0	449505	666666
10	3	5	286188	60	1963	1723	376612	666666
11	1	5	481793	65	0	0	184808	666666
12	2	5	557236	53	1196	0	108128	666666
13	1	5	326889	93	0	0	339684	666666
14	3	5	617998	58	1037	1019	46438	666666
15	2	5	276631	59	1163	0	388754	666666
16	2	5	392399	89	1416	0	272673	666666
17	1	5	235072	81	0	0	431513	666666
18	1	5	605334	77	0	0	61255	666666

Type 5 #22 5566 [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	124042	63	1865	1908	621996	750000
2	3	6	188863	59	1206	1795	557959	750000
3	1	6	275809	73	0	0	474118	750000
4	3	6	335693	83	1359	1877	410822	750000
5	3	6	97634	94	1397	1446	649241	750000
6	1	6	38950	96	0	0	710954	750000
7	2	6	366874	54	1865	0	381153	750000
8	3	6	314590	94	1671	1772	431685	750000
9	1	6	303292	86	0	0	446622	750000
10	2	6	735448	60	1456	0	12976	750000
11	1	6	396934	91	0	0	352975	750000
12	2	6	21139	100	1511	0	727150	750000
13	3	6	569370	100	1290	1508	177532	750000
14	1	6	659224	80	0	0	90696	750000
15	3	6	20817	89	1689	1105	726122	750000
16	2	6	432082	57	1556	0	316248	750000

Type 5 #23 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	2	15	536273	67	1656	0	961937	1500000
2	3	15	1183630	82	1085	1105	313934	1500000
3	1	15	1449325	54	0	0	50621	1500000
4	2	15	492542	79	1009	0	1006291	1500000
5	3	15	1431481	53	1500	1029	65831	1500000
6	1	15	371319	73	0	0	1128608	1500000
7	2	15	745518	60	1547	0	752815	1500000
8	1	15	936076	95	0	0	563829	1500000

Type 5 #24 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	15	387017	74	0	0	244487	631578
2	1	15	66879	58	0	0	564641	631578
3	3	15	414741	99	1500	1836	213204	631578
4	2	15	541976	88	1191	0	88235	631578
5	3	15	445093	80	1591	1000	183654	631578
6	3	15	431737	60	1385	1216	197060	631578
7	3	15	219752	80	1351	1823	408412	631578
8	3	15	529167	75	1084	1447	99655	631578
9	1	15	168472	100	0	0	463006	631578
10	3	15	315079	61	1236	1856	313224	631578
11	1	15	301399	54	0	0	330125	631578
12	3	15	559457	96	1503	1964	68366	631578
13	2	15	173504	64	1799	0	456147	631578
14	3	15	487464	97	1399	1350	141074	631578
15	1	15	568735	75	0	0	62768	631578
16	3	15	617149	64	1499	1478	11260	631578
17	2	15	165930	100	1201	0	464247	631578
18	2	15	626358	50	1502	0	3618	631578
19	1	15	263037	96	0	0	368445	631578

Type 5 #25 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	374455	75	1865	1727	253306	631578
2	3	9	305648	79	1995	1623	322075	631578
3	2	9	377256	96	1998	0	252132	631578
4	3	9	261702	50	1438	1923	366365	631578
5	3	9	54941	83	1406	1288	573694	631578
6	2	9	548501	54	1507	0	81462	631578
7	1	9	299955	97	0	0	331526	631578
8	2	9	320301	84	1725	0	309384	631578
9	1	9	347071	100	0	0	284407	631578
10	1	9	379578	71	0	0	251929	631578
11	2	9	593155	99	1447	0	36778	631578
12	1	9	254773	51	0	0	376754	631578
13	1	9	215183	67	0	0	416328	631578
14	2	9	482959	75	1894	0	146575	631578
15	1	9	57862	59	0	0	573657	631578
16	2	9	65493	86	1499	0	564414	631578
17	3	9	363780	50	1858	1991	263799	631578
18	1	9	91931	83	0	0	539564	631578
19	2	9	251953	60	1833	0	377672	631578

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	17	410853	87	1049	0	787924	1200000
2	1	17	762128	74	0	0	437798	1200000
3	3	17	68948	94	1550	1986	1127234	1200000
4	2	17	342068	66	1420	0	856380	1200000
5	3	17	291964	99	1749	1003	904987	1200000
6	1	17	1181890	86	0	0	18024	1200000
7	1	17	390576	78	0	0	809346	1200000
8	2	17	689803	64	1808	0	508261	1200000
9	1	17	1073997	79	0	0	125924	1200000
10	2	17	1111295	81	1654	0	86889	1200000

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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	147899	76	1993	1046	1348834	1500000
2	1	19	977362	88	0	0	522550	1500000
3	2	19	1217444	65	1327	0	281099	1500000
4	3	19	1056820	87	1859	1846	439214	1500000
5	2	19	1361273	53	1337	0	137284	1500000
6	2	19	1408497	57	1383	0	90006	1500000
7	2	19	1259873	77	1340	0	238633	1500000
8	1	19	715238	88	0	0	784674	1500000

Type 5 #28 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	422487	100	1185	0	776128	1200000
2	1	6	787483	67	0	0	412450	1200000
3	2	6	441850	53	1702	0	756342	1200000
4	2	6	1185873	86	1048	0	12907	1200000
5	1	6	1172737	99	0	0	27164	1200000
6	2	6	918631	68	1679	0	279554	1200000
7	3	6	43611	67	1072	1581	1153535	1200000
8	3	6	194897	56	1754	1238	1001943	1200000
9	1	6	118354	70	0	0	1081576	1200000
10	2	6	472430	89	1885	0	725507	1200000

Type 5 #29 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	452519	50	0	0	147431	600000
2	3	7	352931	65	1572	1617	243685	600000
3	2	7	165163	75	1068	0	433619	600000
4	3	7	346161	91	1570	1825	250171	600000
5	3	7	249674	94	1947	1594	346503	600000
6	2	7	145284	65	1381	0	453205	600000
7	1	7	75237	95	0	0	524668	600000
8	3	7	463697	74	1520	1863	132698	600000
9	1	7	171280	75	0	0	428645	600000
10	3	7	584481	96	1118	1573	12540	600000
11	2	7	76007	90	1564	0	522249	600000
12	3	7	189328	58	1879	1882	406737	600000
13	3	7	469230	53	1240	1228	128143	600000
14	1	7	30108	50	0	0	569842	600000
15	3	7	2358	82	1804	1565	594027	600000
16	1	7	152053	99	0	0	447848	600000
17	3	7	197229	62	1548	1729	399308	600000
18	2	7	384731	100	1070	0	213999	600000
19	3	7	420428	66	1458	1368	176548	600000
20	1	7	582232	82	0	0	17686	600000

Type 5 #30 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	17	1079936	88	1865	0	118023	1200000
2	2	17	619910	98	1591	0	578303	1200000
3	2	17	182062	88	1846	0	1015916	1200000
4	3	17	413538	100	1409	1982	782771	1200000
5	1	17	303916	97	0	0	895987	1200000
6	2	17	503355	69	1284	0	695223	1200000
7	2	17	1139218	59	1302	0	59362	1200000
8	1	17	890332	60	0	0	309608	1200000
9	2	17	1111786	68	1868	0	86210	1200000
10	1	17	1104535	64	0	0	95401	1200000

Type 6 #1 [Back to Summary]									
#01-5679	#02-5338	#03-5639	#04-5550	#05-5496	#06-5669	#07-5655	#08-5369	#09-5395	#10-5529
#11-5510	#12-5566	#13-5650	#14-5606	#15-5617	#16-5350	#17-5476	#18-5483	#19-5631	#20-5588
#21-5504	#22-5571	#23-5572	#24-5721	#25-5346	#26-5590	#27-5475	#28-5357	#29-5371	#30-5585
#31-5278	#32-5698	#33-5488	#34-5309	#35-5622	#36-5348	#37-5426	#38-5673	#39-5334	#40-5688
#41-5506	#42-5442	#43-5282	#44-5554	#45-5300	#46-5595	#47-5490	#48-5678	#49-5316	#50-5683
#51-5583	#52-5682	#53-5301	#54-5586	#55-5603	#56-5354	#57-5480	#58-5642	#59-5443	#60-5627
#61-5430	#62-5538	#63-5720	#64-5525	#65-5492	#66-5532	#67-5318	#68-5582	#69-5710	#70-5509
#71-5645	#72-5523	#73-5390	#74-5667	#75-5324	#76-5304	#77-5531	#78-5263	#79-5665	#80-5465
#81-5342	#82-5521	#83-5287	#84-5410	#85-5250	#86-5321	#87-5641	#88-5625	#89-5423	#90-5511
#91-5581	#92-5501	#93-5460	#94-5427	#95-5489	#96-5693	#97-5440	#98-5464	#99-5303	#100-5478

Type 6 #2 [Back to Summary]									
#01-5523	#02-5631	#03-5692	#04-5526	#05-5284	#06-5305	#07-5535	#08-5359	#09-5508	#10-5547
#11-5542	#12-5471	#13-5701	#14-5696	#15-5530	#16-5630	#17-5499	#18-5555	#19-5529	#20-5422
#21-5620	#22-5414	#23-5403	#24-5438	#25-5655	#26-5381	#27-5309	#28-5684	#29-5416	#30-5361
#31-5584	#32-5311	#33-5680	#34-5427	#35-5678	#36-5439	#37-5563	#38-5485	#39-5376	#40-5668
#41-5510	#42-5534	#43-5364	#44-5609	#45-5703	#46-5358	#47-5536	#48-5494	#49-5627	#50-5593
#51-5431	#52-5621	#53-5667	#54-5604	#55-5590	#56-5346	#57-5466	#58-5492	#59-5595	#60-5623
#61-5720	#62-5570	#63-5661	#64-5387	#65-5687	#66-5468	#67-5506	#68-5513	#69-5264	#70-5333
#71-5313	#72-5262	#73-5415	#74-5583	#75-5638	#76-5329	#77-5295	#78-5516	#79-5457	#80-5538
#81-5573	#82-5528	#83-5301	#84-5550	#85-5653	#86-5688	#87-5360	#88-5319	#89-5559	#90-5574
#91-5694	#92-5306	#93-5614	#94-5470	#95-5674	#96-5662	#97-5592	#98-5700	#99-5645	#100-5458

Type 6 #3 [Back to Summary]									
#01-5573	#02-5264	#03-5484	#04-5537	#05-5524	#06-5420	#07-5448	#08-5331	#09-5695	#10-5507
#11-5304	#12-5676	#13-5285	#14-5309	#15-5300	#16-5435	#17-5519	#18-5364	#19-5468	#20-5250
#21-5362	#22-5444	#23-5686	#24-5417	#25-5376	#26-5257	#27-5377	#28-5666	#29-5638	#30-5700
#31-5467	#32-5329	#33-5601	#34-5718	#35-5690	#36-5562	#37-5302	#38-5497	#39-5277	#40-5486
#41-5492	#42-5288	#43-5357	#44-5307	#45-5527	#46-5267	#47-5279	#48-5565	#49-5436	#50-5498
#51-5401	#52-5490	#53-5487	#54-5650	#55-5367	#56-5387	#57-5308	#58-5323	#59-5419	#60-5529
#61-5301	#62-5516	#63-5426	#64-5721	#65-5295	#66-5703	#67-5336	#68-5293	#69-5349	#70-5473
#71-5392	#72-5273	#73-5344	#74-5709	#75-5500	#76-5333	#77-5347	#78-5635	#79-5625	#80-5370
#81-5705	#82-5551	#83-5496	#84-5406	#85-5564	#86-5704	#87-5581	#88-5673	#89-5611	#90-5569
#91-5517	#92-5708	#93-5338	#94-5491	#95-5442	#96-5706	#97-5598	#98-5366	#99-5260	#100-5552

Type 6 #4 [Back to Summary]									
#01-5662	#02-5710	#03-5466	#04-5692	#05-5356	#06-5373	#07-5398	#08-5498	#09-5412	#10-5287
#11-5294	#12-5396	#13-5423	#14-5305	#15-5540	#16-5487	#17-5271	#18-5273	#19-5422	#20-5315
#21-5384	#22-5380	#23-5416	#24-5514	#25-5681	#26-5404	#27-5666	#28-5580	#29-5528	#30-5509
#31-5460	#32-5704	#33-5622	#34-5329	#35-5426	#36-5720	#37-5321	#38-5522	#39-5288	#40-5434
#41-5561	#42-5324	#43-5518	#44-5572	#45-5520	#46-5362	#47-5544	#48-5276	#49-5671	#50-5674
#51-5684	#52-5573	#53-5660	#54-5670	#55-5410	#56-5537	#57-5553	#58-5685	#59-5259	#60-5680
#61-5436	#62-5549	#63-5699	#64-5628	#65-5558	#66-5314	#67-5496	#68-5342	#69-5608	#70-5543
#71-5413	#72-5478	#73-5711	#74-5716	#75-5479	#76-5308	#77-5591	#78-5569	#79-5718	#80-5570
#81-5589	#82-5636	#83-5627	#84-5574	#85-5539	#86-5610	#87-5286	#88-5669	#89-5639	#90-5606
#91-5414	#92-5355	#93-5497	#94-5328	#95-5721	#96-5258	#97-5346	#98-5602	#99-5260	#100-5446

Type 6 #5 [Back to Summary]									
#01-5588	#02-5444	#03-5392	#04-5377	#05-5511	#06-5454	#07-5585	#08-5673	#09-5439	#10-5348
#11-5669	#12-5707	#13-5691	#14-5414	#15-5341	#16-5518	#17-5639	#18-5372	#19-5332	#20-5668
#21-5274	#22-5548	#23-5423	#24-5722	#25-5370	#26-5301	#27-5699	#28-5626	#29-5719	#30-5472
#31-5684	#32-5706	#33-5554	#34-5516	#35-5704	#36-5390	#37-5493	#38-5500	#39-5310	#40-5338
#41-5276	#42-5339	#43-5483	#44-5543	#45-5661	#46-5436	#47-5394	#48-5335	#49-5710	#50-5452
#51-5343	#52-5694	#53-5522	#54-5312	#55-5424	#56-5286	#57-5268	#58-5398	#59-5254	#60-5462
#61-5482	#62-5676	#63-5672	#64-5689	#65-5387	#66-5679	#67-5401	#68-5425	#69-5437	#70-5666
#71-5270	#72-5386	#73-5308	#74-5717	#75-5634	#76-5648	#77-5314	#78-5600	#79-5302	#80-5650
#81-5624	#82-5604	#83-5633	#84-5517	#85-5375	#86-5712	#87-5440	#88-5492	#89-5345	#90-5657
#91-5368	#92-5350	#93-5499	#94-5575	#95-5582	#96-5319	#97-5389	#98-5519	#99-5408	#100-5702

Type 6 #6 [Back to Summary]									
#01-5288	#02-5696	#03-5628	#04-5284	#05-5431	#06-5681	#07-5636	#08-5526	#09-5397	#10-5489
#11-5700	#12-5390	#13-5341	#14-5319	#15-5549	#16-5592	#17-5287	#18-5411	#19-5566	#20-5400
#21-5498	#22-5632	#23-5328	#24-5492	#25-5555	#26-5647	#27-5613	#28-5454	#29-5377	#30-5570
#31-5518	#32-5523	#33-5447	#34-5321	#35-5621	#36-5664	#37-5707	#38-5606	#39-5335	#40-5418
#41-5325	#42-5635	#43-5344	#44-5578	#45-5692	#46-5706	#47-5257	#48-5427	#49-5279	#50-5720
#51-5283	#52-5702	#53-5671	#54-5255	#55-5459	#56-5381	#57-5614	#58-5386	#59-5456	#60-5508
#61-5315	#62-5433	#63-5399	#64-5552	#65-5693	#66-5425	#67-5665	#68-5268	#69-5423	#70-5608
#71-5609	#72-5404	#73-5323	#74-5395	#75-5322	#76-5585	#77-5537	#78-5475	#79-5524	#80-5573
#81-5639	#82-5438	#83-5422	#84-5380	#85-5534	#86-5541	#87-5575	#88-5444	#89-5588	#90-5488
#91-5293	#92-5567	#93-5401	#94-5550	#95-5351	#96-5622	#97-5484	#98-5513	#99-5610	#100-5514

Type 6 #7 [Back to Summary]									
#01-5288	#02-5714	#03-5255	#04-5395	#05-5358	#06-5606	#07-5629	#08-5526	#09-5657	#10-5594
#11-5566	#12-5393	#13-5586	#14-5605	#15-5595	#16-5607	#17-5258	#18-5265	#19-5270	#20-5406
#21-5572	#22-5472	#23-5407	#24-5660	#25-5563	#26-5296	#27-5250	#28-5496	#29-5299	#30-5430
#31-5353	#32-5276	#33-5590	#34-5259	#35-5535	#36-5651	#37-5434	#38-5283	#39-5281	#40-5656
#41-5639	#42-5306	#43-5510	#44-5718	#45-5648	#46-5625	#47-5705	#48-5519	#49-5682	#50-5469
#51-5612	#52-5470	#53-5494	#54-5452	#55-5669	#56-5536	#57-5554	#58-5326	#59-5548	#60-5318
#61-5603	#62-5381	#63-5479	#64-5477	#65-5491	#66-5542	#67-5524	#68-5578	#69-5324	#70-5676
#71-5422	#72-5703	#73-5711	#74-5341	#75-5487	#76-5521	#77-5689	#78-5410	#79-5263	#80-5667
#81-5316	#82-5449	#83-5539	#84-5546	#85-5537	#86-5604	#87-5495	#88-5383	#89-5319	#90-5721
#91-5342	#92-5360	#93-5446	#94-5688	#95-5302	#96-5502	#97-5541	#98-5284	#99-5466	#100-5354

Type 6 #8 [Back to Summary]									
#01-5346	#02-5375	#03-5452	#04-5257	#05-5296	#06-5634	#07-5487	#08-5409	#09-5687	#10-5391
#11-5577	#12-5397	#13-5311	#14-5611	#15-5250	#16-5404	#17-5566	#18-5659	#19-5664	#20-5614
#21-5294	#22-5393	#23-5516	#24-5325	#25-5584	#26-5318	#27-5503	#28-5274	#29-5290	#30-5712
#31-5708	#32-5656	#33-5665	#34-5632	#35-5568	#36-5662	#37-5253	#38-5532	#39-5502	#40-5630
#41-5370	#42-5344	#43-5428	#44-5649	#45-5398	#46-5671	#47-5300	#48-5563	#49-5689	#50-5619
#51-5666	#52-5604	#53-5343	#54-5579	#55-5308	#56-5680	#57-5580	#58-5378	#59-5402	#60-5704
#61-5383	#62-5462	#63-5367	#64-5700	#65-5412	#66-5640	#67-5457	#68-5406	#69-5288	#70-5314
#71-5403	#72-5280	#73-5413	#74-5281	#75-5496	#76-5677	#77-5693	#78-5586	#79-5648	#80-5633
#81-5268	#82-5655	#83-5313	#84-5394	#85-5298	#86-5353	#87-5557	#88-5334	#89-5571	#90-5609
#91-5331	#92-5595	#93-5388	#94-5522	#95-5500	#96-5627	#97-5702	#98-5453	#99-5492	#100-5476

Type 6 #9 [Back to Summary]									
#01-5463	#02-5621	#03-5526	#04-5626	#05-5474	#06-5635	#07-5452	#08-5311	#09-5339	#10-5355
#11-5712	#12-5721	#13-5446	#14-5485	#15-5684	#16-5443	#17-5399	#18-5699	#19-5653	#20-5304
#21-5328	#22-5374	#23-5549	#24-5398	#25-5708	#26-5522	#27-5617	#28-5601	#29-5504	#30-5584
#31-5698	#32-5491	#33-5342	#34-5424	#35-5422	#36-5369	#37-5381	#38-5408	#39-5641	#40-5383
#41-5615	#42-5502	#43-5715	#44-5470	#45-5627	#46-5325	#47-5400	#48-5622	#49-5562	#50-5298
#51-5480	#52-5724	#53-5518	#54-5434	#55-5391	#56-5333	#57-5316	#58-5373	#59-5640	#60-5674
#61-5261	#62-5573	#63-5533	#64-5477	#65-5375	#66-5467	#67-5625	#68-5268	#69-5303	#70-5563
#71-5308	#72-5714	#73-5305	#74-5520	#75-5414	#76-5553	#77-5382	#78-5323	#79-5498	#80-5630
#81-5366	#82-5719	#83-5285	#84-5453	#85-5353	#86-5697	#87-5694	#88-5632	#89-5277	#90-5336
#91-5294	#92-5255	#93-5497	#94-5685	#95-5372	#96-5289	#97-5690	#98-5492	#99-5344	#100-5415

Type 6 #10 [Back to Summary]									
#01-5429	#02-5381	#03-5567	#04-5251	#05-5716	#06-5489	#07-5664	#08-5724	#09-5273	#10-5568
#11-5678	#12-5719	#13-5604	#14-5262	#15-5552	#16-5268	#17-5532	#18-5331	#19-5372	#20-5402
#21-5493	#22-5717	#23-5709	#24-5692	#25-5510	#26-5307	#27-5470	#28-5344	#29-5396	#30-5370
#31-5582	#32-5618	#33-5705	#34-5335	#35-5449	#36-5711	#37-5405	#38-5289	#39-5460	#40-5590
#41-5288	#42-5695	#43-5607	#44-5438	#45-5383	#46-5305	#47-5375	#48-5483	#49-5387	#50-5355
#51-5485	#52-5614	#53-5366	#54-5661	#55-5639	#56-5436	#57-5395	#58-5594	#59-5466	#60-5655
#61-5266	#62-5569	#63-5576	#64-5626	#65-5706	#66-5310	#67-5260	#68-5520	#69-5536	#70-5562
#71-5585	#72-5496	#73-5595	#74-5504	#75-5361	#76-5516	#77-5357	#78-5524	#79-5559	#80-5454
#81-5654	#82-5712	#83-5680	#84-5291	#85-5611	#86-5687	#87-5499	#88-5294	#89-5417	#90-5264
#91-5565	#92-5530	#93-5545	#94-5521	#95-5573	#96-5437	#97-5368	#98-5701	#99-5447	#100-5322

Type 6 #11 [Back to Summary]									
#01-5293	#02-5578	#03-5670	#04-5542	#05-5491	#06-5712	#07-5268	#08-5586	#09-5550	#10-5373
#11-5325	#12-5594	#13-5283	#14-5256	#15-5252	#16-5279	#17-5612	#18-5535	#19-5265	#20-5271
#21-5530	#22-5693	#23-5356	#24-5521	#25-5720	#26-5308	#27-5671	#28-5324	#29-5654	#30-5645
#31-5399	#32-5382	#33-5329	#34-5488	#35-5417	#36-5334	#37-5299	#38-5397	#39-5524	#40-5626
#41-5675	#42-5640	#43-5467	#44-5298	#45-5664	#46-5702	#47-5500	#48-5543	#49-5520	#50-5549
#51-5558	#52-5561	#53-5691	#54-5434	#55-5512	#56-5331	#57-5473	#58-5400	#59-5548	#60-5439
#61-5292	#62-5674	#63-5655	#64-5628	#65-5703	#66-5668	#67-5514	#68-5511	#69-5568	#70-5646
#71-5707	#72-5462	#73-5263	#74-5365	#75-5321	#76-5611	#77-5470	#78-5311	#79-5582	#80-5269
#81-5523	#82-5380	#83-5516	#84-5361	#85-5345	#86-5562	#87-5412	#88-5614	#89-5697	#90-5341
#91-5576	#92-5620	#93-5567	#94-5338	#95-5585	#96-5724	#97-5710	#98-5557	#99-5318	#100-5717

Type 6 #12 [Back to Summary]									
#01-5432	#02-5707	#03-5698	#04-5597	#05-5563	#06-5335	#07-5544	#08-5577	#09-5363	#10-5627
#11-5573	#12-5417	#13-5536	#14-5526	#15-5636	#16-5638	#17-5399	#18-5545	#19-5534	#20-5388
#21-5505	#22-5630	#23-5543	#24-5475	#25-5318	#26-5331	#27-5625	#28-5656	#29-5498	#30-5315
#31-5629	#32-5641	#33-5715	#34-5587	#35-5555	#36-5538	#37-5398	#38-5650	#39-5508	#40-5253
#41-5263	#42-5554	#43-5490	#44-5316	#45-5479	#46-5403	#47-5329	#48-5286	#49-5420	#50-5674
#51-5571	#52-5408	#53-5272	#54-5653	#55-5453	#56-5521	#57-5406	#58-5463	#59-5520	#60-5473
#61-5430	#62-5617	#63-5321	#64-5293	#65-5723	#66-5665	#67-5424	#68-5677	#69-5695	#70-5339
#71-5477	#72-5471	#73-5279	#74-5531	#75-5373	#76-5680	#77-5375	#78-5470	#79-5718	#80-5639
#81-5252	#82-5588	#83-5476	#84-5557	#85-5462	#86-5458	#87-5613	#88-5310	#89-5376	#90-5281
#91-5380	#92-5663	#93-5366	#94-5285	#95-5542	#96-5367	#97-5483	#98-5448	#99-5319	#100-5552

Type 6 #13 [Back to Summary]									
#01-5704	#02-5382	#03-5317	#04-5332	#05-5440	#06-5344	#07-5383	#08-5465	#09-5523	#10-5507
#11-5398	#12-5658	#13-5476	#14-5612	#15-5480	#16-5573	#17-5386	#18-5494	#19-5551	#20-5508
#21-5294	#22-5362	#23-5546	#24-5664	#25-5682	#26-5549	#27-5354	#28-5719	#29-5716	#30-5256
#31-5443	#32-5650	#33-5406	#34-5418	#35-5660	#36-5595	#37-5521	#38-5397	#39-5365	#40-5375
#41-5331	#42-5404	#43-5522	#44-5604	#45-5613	#46-5453	#47-5436	#48-5488	#49-5537	#50-5696
#51-5709	#52-5715	#53-5629	#54-5540	#55-5502	#56-5590	#57-5565	#58-5373	#59-5369	#60-5618
#61-5710	#62-5381	#63-5468	#64-5512	#65-5304	#66-5466	#67-5499	#68-5299	#69-5674	#70-5607
#71-5295	#72-5711	#73-5366	#74-5419	#75-5420	#76-5620	#77-5569	#78-5665	#79-5293	#80-5475
#81-5351	#82-5594	#83-5432	#84-5267	#85-5270	#86-5451	#87-5269	#88-5591	#89-5640	#90-5315
#91-5278	#92-5390	#93-5272	#94-5479	#95-5392	#96-5673	#97-5654	#98-5254	#99-5544	#100-5391

Type 6 #14 [Back to Summary]									
#01-5676	#02-5380	#03-5535	#04-5650	#05-5644	#06-5722	#07-5590	#08-5458	#09-5367	#10-5608
#11-5271	#12-5622	#13-5328	#14-5620	#15-5503	#16-5365	#17-5677	#18-5449	#19-5488	#20-5579
#21-5445	#22-5633	#23-5389	#24-5602	#25-5573	#26-5635	#27-5690	#28-5618	#29-5278	#30-5469
#31-5688	#32-5556	#33-5371	#34-5632	#35-5521	#36-5705	#37-5306	#38-5504	#39-5345	#40-5274
#41-5578	#42-5530	#43-5466	#44-5279	#45-5297	#46-5381	#47-5310	#48-5375	#49-5696	#50-5272
#51-5720	#52-5451	#53-5486	#54-5681	#55-5664	#56-5291	#57-5713	#58-5652	#59-5323	#60-5257
#61-5284	#62-5694	#63-5428	#64-5614	#65-5643	#66-5430	#67-5495	#68-5416	#69-5344	#70-5523
#71-5309	#72-5415	#73-5352	#74-5464	#75-5723	#76-5634	#77-5410	#78-5361	#79-5553	#80-5443
#81-5570	#82-5559	#83-5649	#84-5254	#85-5476	#86-5481	#87-5324	#88-5414	#89-5691	#90-5485
#91-5712	#92-5378	#93-5434	#94-5338	#95-5716	#96-5606	#97-5353	#98-5569	#99-5355	#100-5584

Type 6 #15 [Back to Summary]									
#01-5607	#02-5615	#03-5280	#04-5418	#05-5691	#06-5551	#07-5352	#08-5273	#09-5684	#10-5278
#11-5601	#12-5600	#13-5348	#14-5599	#15-5408	#16-5444	#17-5295	#18-5427	#19-5394	#20-5416
#21-5360	#22-5332	#23-5456	#24-5583	#25-5537	#26-5656	#27-5707	#28-5260	#29-5475	#30-5361
#31-5533	#32-5562	#33-5255	#34-5694	#35-5564	#36-5685	#37-5530	#38-5484	#39-5291	#40-5649
#41-5380	#42-5302	#43-5459	#44-5664	#45-5609	#46-5364	#47-5283	#48-5558	#49-5658	#50-5522
#51-5570	#52-5654	#53-5432	#54-5667	#55-5479	#56-5521	#57-5412	#58-5422	#59-5608	#60-5288
#61-5571	#62-5341	#63-5524	#64-5576	#65-5469	#66-5293	#67-5596	#68-5379	#69-5289	#70-5448
#71-5637	#72-5534	#73-5386	#74-5470	#75-5285	#76-5313	#77-5604	#78-5511	#79-5703	#80-5425
#81-5627	#82-5396	#83-5328	#84-5676	#85-5512	#86-5606	#87-5378	#88-5317	#89-5464	#90-5290
#91-5520	#92-5362	#93-5605	#94-5252	#95-5330	#96-5287	#97-5500	#98-5614	#99-5447	#100-5568

Type 6 #16 [Back to Summary]									
#01-5491	#02-5627	#03-5521	#04-5458	#05-5613	#06-5284	#07-5517	#08-5687	#09-5631	#10-5418
#11-5650	#12-5623	#13-5443	#14-5429	#15-5385	#16-5421	#17-5263	#18-5577	#19-5310	#20-5590
#21-5637	#22-5530	#23-5643	#24-5724	#25-5652	#26-5522	#27-5660	#28-5379	#29-5388	#30-5722
#31-5534	#32-5716	#33-5316	#34-5378	#35-5658	#36-5719	#37-5595	#38-5586	#39-5306	#40-5474
#41-5333	#42-5413	#43-5405	#44-5290	#45-5359	#46-5617	#47-5636	#48-5416	#49-5582	#50-5624
#51-5271	#52-5644	#53-5541	#54-5570	#55-5656	#56-5684	#57-5708	#58-5512	#59-5526	#60-5336
#61-5347	#62-5380	#63-5540	#64-5628	#65-5601	#66-5657	#67-5549	#68-5309	#69-5489	#70-5387
#71-5542	#72-5391	#73-5508	#74-5551	#75-5495	#76-5460	#77-5364	#78-5593	#79-5606	#80-5276
#81-5604	#82-5479	#83-5509	#84-5477	#85-5699	#86-5610	#87-5414	#88-5454	#89-5444	#90-5697
#91-5258	#92-5323	#93-5303	#94-5693	#95-5369	#96-5676	#97-5588	#98-5490	#99-5400	#100-5425

Type 6 #17 [Back to Summary]									
#01-5314	#02-5576	#03-5645	#04-5446	#05-5330	#06-5603	#07-5375	#08-5713	#09-5323	#10-5438
#11-5562	#12-5361	#13-5635	#14-5505	#15-5454	#16-5587	#17-5590	#18-5305	#19-5659	#20-5718
#21-5483	#22-5342	#23-5583	#24-5524	#25-5381	#26-5469	#27-5335	#28-5548	#29-5427	#30-5553
#31-5596	#32-5598	#33-5437	#34-5426	#35-5690	#36-5282	#37-5567	#38-5320	#39-5405	#40-5346
#41-5491	#42-5433	#43-5391	#44-5263	#45-5386	#46-5627	#47-5418	#48-5529	#49-5493	#50-5517
#51-5334	#52-5541	#53-5571	#54-5414	#55-5675	#56-5698	#57-5715	#58-5367	#59-5310	#60-5588
#61-5515	#62-5550	#63-5534	#64-5494	#65-5570	#66-5692	#67-5649	#68-5452	#69-5539	#70-5413
#71-5267	#72-5513	#73-5629	#74-5561	#75-5473	#76-5294	#77-5677	#78-5573	#79-5384	#80-5478
#81-5296	#82-5531	#83-5303	#84-5642	#85-5463	#86-5300	#87-5274	#88-5272	#89-5481	#90-5719
#91-5290	#92-5447	#93-5256	#94-5549	#95-5558	#96-5668	#97-5630	#98-5624	#99-5416	#100-5415

Type 6 #18 [Back to Summary]									
#01-5703	#02-5688	#03-5712	#04-5321	#05-5495	#06-5544	#07-5637	#08-5256	#09-5661	#10-5619
#11-5271	#12-5394	#13-5705	#14-5555	#15-5531	#16-5707	#17-5487	#18-5616	#19-5279	#20-5510
#21-5660	#22-5615	#23-5693	#24-5543	#25-5372	#26-5540	#27-5502	#28-5328	#29-5257	#30-5530
#31-5398	#32-5304	#33-5400	#34-5692	#35-5498	#36-5337	#37-5545	#38-5711	#39-5389	#40-5642
#41-5388	#42-5272	#43-5336	#44-5583	#45-5694	#46-5621	#47-5462	#48-5423	#49-5262	#50-5569
#51-5422	#52-5253	#53-5591	#54-5629	#55-5475	#56-5332	#57-5718	#58-5412	#59-5669	#60-5672
#61-5289	#62-5557	#63-5724	#64-5376	#65-5467	#66-5685	#67-5719	#68-5263	#69-5306	#70-5445
#71-5411	#72-5501	#73-5474	#74-5356	#75-5370	#76-5636	#77-5529	#78-5359	#79-5574	#80-5470
#81-5326	#82-5333	#83-5316	#84-5413	#85-5363	#86-5397	#87-5437	#88-5492	#89-5463	#90-5425
#91-5344	#92-5383	#93-5290	#94-5444	#95-5607	#96-5559	#97-5274	#98-5678	#99-5364	#100-5254

Type 6 #19 [Back to Summary]									
#01-5630	#02-5456	#03-5370	#04-5538	#05-5409	#06-5644	#07-5500	#08-5486	#09-5509	#10-5564
#11-5522	#12-5607	#13-5561	#14-5444	#15-5598	#16-5680	#17-5490	#18-5565	#19-5265	#20-5325
#21-5505	#22-5471	#23-5520	#24-5609	#25-5351	#26-5278	#27-5462	#28-5288	#29-5469	#30-5544
#31-5624	#32-5579	#33-5723	#34-5574	#35-5570	#36-5597	#37-5688	#38-5497	#39-5250	#40-5435
#41-5622	#42-5674	#43-5710	#44-5628	#45-5626	#46-5451	#47-5541	#48-5559	#49-5563	#50-5657
#51-5309	#52-5421	#53-5667	#54-5284	#55-5463	#56-5395	#57-5662	#58-5480	#59-5423	#60-5373
#61-5416	#62-5453	#63-5263	#64-5694	#65-5669	#66-5671	#67-5605	#68-5714	#69-5600	#70-5252
#71-5717	#72-5713	#73-5554	#74-5537	#75-5419	#76-5549	#77-5479	#78-5616	#79-5704	#80-5613
#81-5442	#82-5623	#83-5429	#84-5530	#85-5466	#86-5420	#87-5635	#88-5686	#89-5340	#90-5397
#91-5656	#92-5431	#93-5313	#94-5587	#95-5266	#96-5391	#97-5655	#98-5269	#99-5683	#100-5678

Type 6 #20 [Back to Summary]									
#01-5578	#02-5556	#03-5686	#04-5564	#05-5662	#06-5320	#07-5592	#08-5367	#09-5576	#10-5638
#11-5637	#12-5290	#13-5504	#14-5536	#15-5647	#16-5520	#17-5266	#18-5443	#19-5458	#20-5476
#21-5283	#22-5646	#23-5613	#24-5435	#25-5316	#26-5517	#27-5648	#28-5695	#29-5528	#30-5274
#31-5622	#32-5468	#33-5663	#34-5276	#35-5292	#36-5624	#37-5668	#38-5601	#39-5600	#40-5404
#41-5565	#42-5510	#43-5358	#44-5430	#45-5494	#46-5616	#47-5666	#48-5496	#49-5676	#50-5457
#51-5386	#52-5454	#53-5526	#54-5446	#55-5645	#56-5657	#57-5671	#58-5487	#59-5490	#60-5384
#61-5393	#62-5620	#63-5554	#64-5546	#65-5262	#66-5408	#67-5349	#68-5473	#69-5495	#70-5269
#71-5582	#72-5379	#73-5562	#74-5302	#75-5633	#76-5483	#77-5532	#78-5419	#79-5670	#80-5414
#81-5579	#82-5383	#83-5268	#84-5314	#85-5607	#86-5405	#87-5673	#88-5448	#89-5348	#90-5352
#91-5690	#92-5412	#93-5350	#94-5459	#95-5256	#96-5678	#97-5688	#98-5529	#99-5416	#100-5330

Type 6 #21 [Back to Summary]									
#01-5512	#02-5432	#03-5252	#04-5653	#05-5605	#06-5255	#07-5621	#08-5479	#09-5545	#10-5403
#11-5370	#12-5489	#13-5558	#14-5325	#15-5535	#16-5259	#17-5606	#18-5494	#19-5670	#20-5577
#21-5472	#22-5626	#23-5375	#24-5392	#25-5311	#26-5415	#27-5281	#28-5353	#29-5295	#30-5690
#31-5537	#32-5256	#33-5258	#34-5583	#35-5638	#36-5401	#37-5391	#38-5344	#39-5439	#40-5608
#41-5519	#42-5440	#43-5641	#44-5678	#45-5713	#46-5446	#47-5588	#48-5283	#49-5655	#50-5251
#51-5319	#52-5438	#53-5590	#54-5570	#55-5585	#56-5616	#57-5308	#58-5584	#59-5593	#60-5442
#61-5700	#62-5515	#63-5434	#64-5579	#65-5596	#66-5365	#67-5482	#68-5704	#69-5413	#70-5384
#71-5594	#72-5509	#73-5309	#74-5315	#75-5312	#76-5290	#77-5714	#78-5426	#79-5407	#80-5597
#81-5552	#82-5724	#83-5425	#84-5294	#85-5627	#86-5350	#87-5390	#88-5412	#89-5720	#90-5273
#91-5345	#92-5530	#93-5478	#94-5719	#95-5636	#96-5723	#97-5250	#98-5306	#99-5335	#100-5599

Type 6 #22 [Back to Summary]									
#01-5685	#02-5609	#03-5589	#04-5514	#05-5382	#06-5528	#07-5376	#08-5523	#09-5507	#10-5545
#11-5627	#12-5604	#13-5426	#14-5723	#15-5612	#16-5698	#17-5337	#18-5391	#19-5683	#20-5490
#21-5700	#22-5319	#23-5705	#24-5390	#25-5291	#26-5309	#27-5284	#28-5312	#29-5407	#30-5310
#31-5286	#32-5655	#33-5346	#34-5535	#35-5631	#36-5666	#37-5385	#38-5633	#39-5630	#40-5342
#41-5694	#42-5585	#43-5621	#44-5425	#45-5368	#46-5461	#47-5352	#48-5475	#49-5358	#50-5657
#51-5632	#52-5576	#53-5343	#54-5556	#55-5616	#56-5607	#57-5625	#58-5445	#59-5469	#60-5320
#61-5489	#62-5311	#63-5367	#64-5448	#65-5504	#66-5693	#67-5506	#68-5614	#69-5339	#70-5668
#71-5559	#72-5430	#73-5481	#74-5587	#75-5521	#76-5356	#77-5419	#78-5527	#79-5270	#80-5552
#81-5684	#82-5531	#83-5678	#84-5467	#85-5400	#86-5427	#87-5561	#88-5502	#89-5641	#90-5264
#91-5283	#92-5662	#93-5409	#94-5558	#95-5570	#96-5629	#97-5465	#98-5421	#99-5644	#100-5395

Type 6 #23 [Back to Summary]									
#01-5677	#02-5458	#03-5384	#04-5415	#05-5343	#06-5452	#07-5347	#08-5478	#09-5285	#10-5514
#11-5442	#12-5350	#13-5424	#14-5643	#15-5363	#16-5686	#17-5360	#18-5620	#19-5295	#20-5326
#21-5383	#22-5250	#23-5704	#24-5323	#25-5631	#26-5626	#27-5269	#28-5649	#29-5270	#30-5617
#31-5609	#32-5719	#33-5608	#34-5595	#35-5599	#36-5477	#37-5401	#38-5516	#39-5381	#40-5675
#41-5332	#42-5337	#43-5476	#44-5380	#45-5552	#46-5664	#47-5493	#48-5497	#49-5450	#50-5613
#51-5523	#52-5577	#53-5382	#54-5565	#55-5267	#56-5679	#57-5482	#58-5309	#59-5512	#60-5443
#61-5433	#62-5426	#63-5460	#64-5393	#65-5628	#66-5449	#67-5467	#68-5551	#69-5289	#70-5614
#71-5540	#72-5573	#73-5494	#74-5344	#75-5721	#76-5293	#77-5506	#78-5579	#79-5502	#80-5694
#81-5388	#82-5504	#83-5448	#84-5377	#85-5346	#86-5280	#87-5591	#88-5297	#89-5584	#90-5655
#91-5720	#92-5334	#93-5254	#94-5665	#95-5496	#96-5636	#97-5605	#98-5329	#99-5480	#100-5354

Type 6 #24 [Back to Summary]									
#01-5451	#02-5665	#03-5454	#04-5560	#05-5326	#06-5674	#07-5338	#08-5284	#09-5570	#10-5699
#11-5424	#12-5628	#13-5536	#14-5542	#15-5304	#16-5656	#17-5700	#18-5324	#19-5292	#20-5591
#21-5583	#22-5414	#23-5693	#24-5365	#25-5615	#26-5447	#27-5564	#28-5549	#29-5576	#30-5339
#31-5411	#32-5419	#33-5348	#34-5393	#35-5489	#36-5446	#37-5295	#38-5616	#39-5302	#40-5399
#41-5670	#42-5552	#43-5455	#44-5606	#45-5476	#46-5342	#47-5523	#48-5435	#49-5609	#50-5559
#51-5659	#52-5527	#53-5285	#54-5611	#55-5493	#56-5281	#57-5698	#58-5337	#59-5669	#60-5602
#61-5357	#62-5507	#63-5430	#64-5480	#65-5533	#66-5253	#67-5528	#68-5389	#69-5301	#70-5585
#71-5614	#72-5332	#73-5268	#74-5623	#75-5650	#76-5277	#77-5690	#78-5340	#79-5618	#80-5520
#81-5649	#82-5380	#83-5675	#84-5265	#85-5404	#86-5605	#87-5381	#88-5464	#89-5630	#90-5456
#91-5474	#92-5685	#93-5673	#94-5423	#95-5291	#96-5407	#97-5371	#98-5701	#99-5318	#100-5472

Type 6 #25 [Back to Summary]									
#01-5536	#02-5382	#03-5383	#04-5274	#05-5675	#06-5574	#07-5509	#08-5396	#09-5687	#10-5463
#11-5320	#12-5609	#13-5449	#14-5393	#15-5680	#16-5700	#17-5563	#18-5414	#19-5324	#20-5651
#21-5596	#22-5315	#23-5491	#24-5572	#25-5355	#26-5652	#27-5387	#28-5568	#29-5575	#30-5487
#31-5633	#32-5718	#33-5266	#34-5391	#35-5713	#36-5514	#37-5723	#38-5643	#39-5313	#40-5552
#41-5345	#42-5709	#43-5498	#44-5411	#45-5379	#46-5590	#47-5478	#48-5524	#49-5467	#50-5314
#51-5567	#52-5679	#53-5618	#54-5389	#55-5598	#56-5464	#57-5614	#58-5530	#59-5640	#60-5270
#61-5431	#62-5663	#63-5541	#64-5442	#65-5549	#66-5325	#67-5589	#68-5301	#69-5402	#70-5410
#71-5699	#72-5639	#73-5343	#74-5489	#75-5550	#76-5610	#77-5534	#78-5326	#79-5435	#80-5484
#81-5417	#82-5585	#83-5344	#84-5502	#85-5645	#86-5676	#87-5341	#88-5599	#89-5513	#90-5488
#91-5625	#92-5433	#93-5253	#94-5289	#95-5365	#96-5404	#97-5412	#98-5297	#99-5582	#100-5299

Type 6 #26 [Back to Summary]									
#01-5724	#02-5425	#03-5371	#04-5307	#05-5342	#06-5652	#07-5583	#08-5376	#09-5561	#10-5711
#11-5651	#12-5534	#13-5343	#14-5401	#15-5576	#16-5572	#17-5563	#18-5288	#19-5526	#20-5603
#21-5703	#22-5715	#23-5508	#24-5633	#25-5507	#26-5506	#27-5636	#28-5301	#29-5370	#30-5396
#31-5445	#32-5483	#33-5468	#34-5383	#35-5489	#36-5719	#37-5461	#38-5289	#39-5413	#40-5713
#41-5339	#42-5693	#43-5284	#44-5531	#45-5567	#46-5336	#47-5345	#48-5580	#49-5441	#50-5522
#51-5568	#52-5373	#53-5497	#54-5702	#55-5321	#56-5257	#57-5637	#58-5459	#59-5518	#60-5554
#61-5264	#62-5530	#63-5252	#64-5414	#65-5514	#66-5415	#67-5313	#68-5681	#69-5634	#70-5586
#71-5357	#72-5523	#73-5604	#74-5540	#75-5503	#76-5258	#77-5676	#78-5704	#79-5315	#80-5422
#81-5416	#82-5306	#83-5590	#84-5577	#85-5553	#86-5320	#87-5710	#88-5485	#89-5308	#90-5478
#91-5331	#92-5251	#93-5494	#94-5591	#95-5695	#96-5539	#97-5689	#98-5602	#99-5267	#100-5400

Type 6 #27 [Back to Summary]									
#01-5275	#02-5386	#03-5669	#04-5586	#05-5414	#06-5294	#07-5499	#08-5686	#09-5447	#10-5318
#11-5305	#12-5656	#13-5396	#14-5348	#15-5390	#16-5682	#17-5668	#18-5406	#19-5584	#20-5446
#21-5429	#22-5549	#23-5623	#24-5401	#25-5501	#26-5355	#27-5274	#28-5265	#29-5565	#30-5697
#31-5289	#32-5332	#33-5691	#34-5638	#35-5399	#36-5280	#37-5366	#38-5724	#39-5416	#40-5514
#41-5548	#42-5277	#43-5296	#44-5717	#45-5435	#46-5405	#47-5582	#48-5404	#49-5453	#50-5266
#51-5595	#52-5541	#53-5261	#54-5550	#55-5701	#56-5458	#57-5491	#58-5522	#59-5339	#60-5311
#61-5268	#62-5487	#63-5375	#64-5481	#65-5282	#66-5699	#67-5690	#68-5486	#69-5672	#70-5361
#71-5572	#72-5666	#73-5719	#74-5327	#75-5620	#76-5407	#77-5510	#78-5630	#79-5696	#80-5350
#81-5504	#82-5602	#83-5546	#84-5547	#85-5356	#86-5475	#87-5319	#88-5394	#89-5660	#90-5667
#91-5521	#92-5573	#93-5635	#94-5353	#95-5495	#96-5316	#97-5627	#98-5542	#99-5687	#100-5456

Type 6 #28 [Back to Summary]									
#01-5434	#02-5350	#03-5451	#04-5336	#05-5424	#06-5648	#07-5546	#08-5664	#09-5651	#10-5550
#11-5671	#12-5579	#13-5543	#14-5714	#15-5529	#16-5388	#17-5660	#18-5549	#19-5369	#20-5525
#21-5630	#22-5545	#23-5537	#24-5253	#25-5565	#26-5722	#27-5282	#28-5615	#29-5555	#30-5554
#31-5489	#32-5688	#33-5667	#34-5485	#35-5635	#36-5394	#37-5396	#38-5453	#39-5365	#40-5425
#41-5652	#42-5373	#43-5462	#44-5358	#45-5250	#46-5662	#47-5274	#48-5644	#49-5538	#50-5346
#51-5376	#52-5323	#53-5417	#54-5406	#55-5544	#56-5609	#57-5527	#58-5444	#59-5493	#60-5422
#61-5613	#62-5654	#63-5351	#64-5338	#65-5300	#66-5708	#67-5634	#68-5298	#69-5321	#70-5382
#71-5716	#72-5452	#73-5429	#74-5669	#75-5599	#76-5500	#77-5326	#78-5426	#79-5254	#80-5624
#81-5698	#82-5355	#83-5317	#84-5456	#85-5427	#86-5414	#87-5515	#88-5507	#89-5675	#90-5275
#91-5590	#92-5681	#93-5689	#94-5670	#95-5535	#96-5724	#97-5269	#98-5368	#99-5307	#100-5266

Type 6 #29 [Back to Summary]									
#01-5275	#02-5698	#03-5571	#04-5410	#05-5361	#06-5651	#07-5622	#08-5477	#09-5530	#10-5293
#11-5528	#12-5355	#13-5444	#14-5594	#15-5454	#16-5504	#17-5580	#18-5629	#19-5643	#20-5610
#21-5437	#22-5376	#23-5352	#24-5298	#25-5517	#26-5286	#27-5489	#28-5485	#29-5375	#30-5603
#31-5482	#32-5686	#33-5366	#34-5711	#35-5601	#36-5724	#37-5511	#38-5638	#39-5339	#40-5499
#41-5520	#42-5288	#43-5702	#44-5628	#45-5467	#46-5480	#47-5479	#48-5340	#49-5460	#50-5283
#51-5393	#52-5365	#53-5450	#54-5422	#55-5554	#56-5624	#57-5592	#58-5525	#59-5618	#60-5320
#61-5408	#62-5385	#63-5348	#64-5658	#65-5538	#66-5570	#67-5714	#68-5453	#69-5717	#70-5449
#71-5716	#72-5667	#73-5535	#74-5388	#75-5333	#76-5397	#77-5396	#78-5446	#79-5553	#80-5278
#81-5529	#82-5392	#83-5266	#84-5332	#85-5457	#86-5362	#87-5483	#88-5669	#89-5406	#90-5701
#91-5378	#92-5712	#93-5267	#94-5265	#95-5334	#96-5382	#97-5662	#98-5297	#99-5341	#100-5630

Type 6 #30 [Back to Summary]									
#01-5495	#02-5276	#03-5351	#04-5260	#05-5295	#06-5454	#07-5559	#08-5314	#09-5336	#10-5404
#11-5476	#12-5394	#13-5696	#14-5586	#15-5524	#16-5265	#17-5369	#18-5264	#19-5450	#20-5422
#21-5343	#22-5299	#23-5303	#24-5263	#25-5329	#26-5253	#27-5649	#28-5522	#29-5308	#30-5684
#31-5471	#32-5359	#33-5365	#34-5653	#35-5519	#36-5508	#37-5298	#38-5261	#39-5301	#40-5255
#41-5543	#42-5428	#43-5592	#44-5258	#45-5490	#46-5715	#47-5274	#48-5423	#49-5483	#50-5334
#51-5272	#52-5652	#53-5585	#54-5655	#55-5546	#56-5459	#57-5703	#58-5349	#59-5665	#60-5297
#61-5540	#62-5304	#63-5266	#64-5388	#65-5666	#66-5385	#67-5291	#68-5309	#69-5335	#70-5279
#71-5697	#72-5374	#73-5693	#74-5455	#75-5616	#76-5647	#77-5449	#78-5307	#79-5520	#80-5352
#81-5711	#82-5498	#83-5305	#84-5705	#85-5669	#86-5552	#87-5510	#88-5443	#89-5381	#90-5327
#91-5537	#92-5682	#93-5340	#94-5256	#95-5464	#96-5504	#97-5424	#98-5473	#99-5333	#100-5377

Type 5 #1 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	240108	68	1562	1803	1089656	1333333
2	2	14	75682	81	1229	0	1256260	1333333
3	1	14	1244427	96	0	0	88810	1333333
4	1	14	1302551	76	0	0	30706	1333333
5	2	14	973946	62	1978	0	357285	1333333
6	1	14	965867	63	0	0	367403	1333333
7	3	14	1068568	57	1440	1953	261201	1333333
8	1	14	336582	57	0	0	996694	1333333
9	2	14	804482	60	1219	0	527512	1333333

Type 5 #2 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	14	467294	65	1003	0	131573	600000
2	2	14	430787	98	1368	0	167649	600000
3	2	14	51891	58	1860	0	546133	600000
4	2	14	570260	55	1063	0	28567	600000
5	3	14	92214	55	1265	1631	504725	600000
6	1	14	163800	69	0	0	436131	600000
7	3	14	503628	72	1056	1116	93984	600000
8	2	14	92945	79	1425	0	505472	600000
9	3	14	214823	65	1535	1027	382420	600000
10	2	14	130964	76	1865	0	467019	600000
11	3	14	222554	50	1822	1460	374014	600000
12	2	14	495572	81	1300	0	102966	600000
13	2	14	445974	96	1064	0	152770	600000
14	2	14	383401	62	1152	0	215323	600000
15	2	14	438796	90	1006	0	160018	600000
16	2	14	513845	87	1795	0	84186	600000
17	3	14	175790	96	1584	1740	420598	600000
18	3	14	88992	91	1064	1978	507693	600000
19	2	14	577908	98	1752	0	20144	600000
20	3	14	494919	81	1745	1271	101822	600000

Type 5 #3 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	111465	93	1830	1604	634822	750000
2	2	9	336747	66	1325	0	411796	750000
3	3	9	387451	72	1088	1549	359696	750000
4	1	9	83247	52	0	0	666701	750000
5	2	9	439367	91	1179	0	309272	750000
6	3	9	358169	54	1004	1703	388962	750000
7	1	9	87195	75	0	0	662730	750000
8	3	9	216107	77	1876	1805	529981	750000
9	2	9	623205	94	1166	0	125441	750000
10	2	9	2327	64	1741	0	745804	750000
11	3	9	486650	82	1195	1129	260780	750000
12	2	9	244575	56	1184	0	504129	750000
13	2	9	706730	61	1971	0	41177	750000
14	3	9	185177	72	1868	1973	560766	750000
15	3	9	45131	91	1000	1943	701653	750000
16	3	9	624086	67	1814	1263	122636	750000

Type 5 #4 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	26155	88	1620	1562	1470399	1500000
2	2	10	1245166	59	1126	0	253590	1500000
3	3	10	1067733	94	1547	1670	428768	1500000
4	2	10	887061	56	1109	0	611718	1500000
5	2	10	655679	93	1736	0	842399	1500000
6	2	10	942537	63	1315	0	556022	1500000
7	2	10	941773	77	1078	0	556995	1500000
8	2	10	1225765	93	1984	0	272065	1500000

Type 5 #5 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	15	859700	60	0	0	63316	923076
2	1	15	279639	98	0	0	643339	923076
3	2	15	535402	89	1827	0	385669	923076
4	1	15	229448	97	0	0	693531	923076
5	1	15	432935	74	0	0	490067	923076
6	1	15	476170	95	0	0	446811	923076
7	1	15	607735	91	0	0	315250	923076
8	2	15	738311	66	1768	0	182865	923076
9	1	15	656344	52	0	0	266680	923076
10	2	15	189407	71	1865	0	731662	923076
11	3	15	808879	77	1958	1403	110605	923076
12	1	15	453497	81	0	0	469498	923076
13	1	15	287123	58	0	0	635895	923076

Type 5 #6 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	15	23447	72	1059	1228	605628	631578
2	3	15	290368	61	1538	1610	337879	631578
3	3	15	467886	94	1036	1815	160559	631578
4	3	15	174051	97	1535	1885	453816	631578
5	2	15	120030	82	1144	0	510240	631578
6	1	15	368	85	0	0	631125	631578
7	1	15	301480	66	0	0	330032	631578
8	3	15	50994	81	1999	1998	576344	631578
9	3	15	172321	71	1603	1477	455964	631578
10	2	15	582910	93	1148	0	47334	631578
11	1	15	495234	100	0	0	136244	631578
12	2	15	28055	57	1894	0	601515	631578
13	1	15	291830	96	0	0	339652	631578
14	2	15	522286	78	1630	0	107506	631578
15	1	15	409444	89	0	0	222045	631578
16	3	15	595725	66	1852	1005	32798	631578
17	2	15	572223	81	1438	0	57755	631578
18	1	15	623543	51	0	0	7984	631578
19	3	15	532120	55	1474	1105	96714	631578

Type 5 #7 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	2	15	368779	61	1029	0	261648	631578
2	3	15	387899	73	1187	1099	241174	631578
3	3	15	224586	98	1661	1427	403610	631578
4	3	15	406394	69	1542	1211	222224	631578
5	3	15	608366	82	1675	1080	20211	631578
6	2	15	188467	61	1863	0	441126	631578
7	3	15	61851	69	1408	1524	566588	631578
8	2	15	312629	57	1887	0	316948	631578
9	2	15	21154	58	1201	0	609107	631578
10	2	15	275356	87	1759	0	354289	631578
11	3	15	566866	80	1312	1383	61777	631578
12	2	15	474812	61	1567	0	155077	631578
13	3	15	524332	83	1832	1042	104123	631578
14	2	15	478240	64	1986	0	151224	631578
15	3	15	243247	61	1166	1517	385465	631578
16	3	15	543908	54	1482	1104	84922	631578
17	3	15	125602	90	1096	1141	503469	631578
18	3	15	456808	97	1319	1054	172106	631578
19	2	15	380231	68	1374	0	249837	631578

Type 5 #8 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	22041	61	0	0	1068807	1090909
2	1	16	247887	64	0	0	842958	1090909
3	2	16	269379	95	1786	0	819554	1090909
4	1	16	93597	85	0	0	997227	1090909
5	1	16	904074	56	0	0	186779	1090909
6	2	16	12422	72	1007	0	1077336	1090909
7	1	16	687859	75	0	0	402975	1090909
8	2	16	7642	74	1590	0	1081529	1090909
9	3	16	925518	51	1179	1618	162441	1090909
10	3	16	138476	54	1835	1724	948712	1090909
11	2	16	323266	96	1018	0	766433	1090909

Type 5 #9 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	11	611702	63	1997	0	52841	666666
2	1	11	274668	70	0	0	391928	666666
3	1	11	89891	64	0	0	576711	666666
4	3	11	254738	74	1490	1590	408626	666666
5	2	11	638173	64	1140	0	27225	666666
6	2	11	157594	64	1241	0	507703	666666
7	3	11	444516	60	1396	1149	219425	666666
8	2	11	51715	82	1876	0	612911	666666
9	2	11	30198	71	1958	0	634368	666666
10	1	11	549758	95	0	0	116813	666666
11	3	11	67674	60	1879	1227	595706	666666
12	2	11	417905	69	1040	0	247583	666666
13	3	11	596550	61	1064	1622	67247	666666
14	2	11	564963	75	1239	0	100314	666666
15	3	11	122046	54	1306	1183	541969	666666
16	3	11	238631	96	1442	1407	424898	666666
17	2	11	653743	79	1330	0	11435	666666
18	2	11	323748	65	1974	0	340814	666666

Type 5 #10 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	243226	76	0	0	756698	1000000
2	3	5	983103	96	1496	1788	13325	1000000
3	1	5	129310	59	0	0	870631	1000000
4	3	5	44366	61	1016	1872	952563	1000000
5	2	5	941735	87	1637	0	56454	1000000
6	1	5	809203	62	0	0	190735	1000000
7	1	5	849490	100	0	0	150410	1000000
8	3	5	654269	88	1916	1023	342528	1000000
9	2	5	995955	54	1543	0	2394	1000000
10	1	5	473736	55	0	0	526209	1000000
11	2	5	771165	53	1284	0	227445	1000000
12	1	5	890006	70	0	0	109924	1000000

Type 5 #11 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	20	400029	100	1737	1339	687504	1090909
2	1	20	235777	59	0	0	855073	1090909
3	1	20	522569	99	0	0	568241	1090909
4	2	20	842519	84	1832	0	246390	1090909
5	3	20	607378	87	1721	1668	479881	1090909
6	2	20	235167	67	1027	0	854581	1090909
7	1	20	615523	96	0	0	475290	1090909
8	1	20	842038	50	0	0	248821	1090909
9	3	20	115940	55	1507	1869	971428	1090909
10	3	20	808041	66	1324	1944	279402	1090909
11	2	20	256051	96	1893	0	832773	1090909

Type 5 #12 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	176519	80	0	0	1323401	1500000
2	1	5	220597	57	0	0	1279346	1500000
3	2	5	1000579	56	1060	0	498249	1500000
4	1	5	842819	94	0	0	657087	1500000
5	3	5	1296074	61	1172	1395	201176	1500000
6	3	5	203747	59	1010	1236	1293830	1500000
7	3	5	751824	78	1990	1869	744083	1500000
8	1	5	956159	75	0	0	543766	1500000

Type 5 #13 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	11	269258	61	0	0	480681	750000
2	1	11	413828	89	0	0	336083	750000
3	3	11	702647	82	1225	1724	44158	750000
4	1	11	8256	96	0	0	741648	750000
5	3	11	510063	79	1071	1829	236800	750000
6	2	11	39047	72	1572	0	709237	750000
7	2	11	252877	80	1169	0	495794	750000
8	3	11	679325	90	1843	1971	66591	750000
9	2	11	207238	72	1969	0	540649	750000
10	2	11	198958	99	1049	0	549795	750000
11	2	11	252674	90	1645	0	495501	750000
12	2	11	616415	82	1712	0	131709	750000
13	1	11	405580	84	0	0	344336	750000
14	1	11	151408	52	0	0	598540	750000
15	3	11	41929	66	1070	1214	705589	750000
16	1	11	108316	82	0	0	641602	750000

Type 5 #14 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	374419	91	1524	1188	289262	666666
2	1	17	36590	56	0	0	630020	666666
3	3	17	146280	93	1940	1428	516739	666666
4	1	17	141071	88	0	0	525507	666666
5	1	17	393660	71	0	0	272935	666666
6	1	17	328906	85	0	0	337675	666666
7	1	17	448343	86	0	0	218237	666666
8	3	17	195276	86	1807	1222	468103	666666
9	1	17	627328	71	0	0	39267	666666
10	1	17	133779	54	0	0	532833	666666
11	3	17	477182	72	1734	1184	186350	666666
12	2	17	106859	80	1592	0	558055	666666
13	3	17	548341	59	1296	1029	115823	666666
14	2	17	151723	86	1043	0	513728	666666
15	2	17	371831	59	1688	0	293029	666666
16	2	17	381661	52	1255	0	283646	666666
17	1	17	67021	91	0	0	599554	666666
18	3	17	179026	56	1752	1629	484091	666666

Type 5 #15 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	19	493819	76	1116	0	838246	1333333
2	1	19	1082122	61	0	0	251150	1333333
3	2	19	1077816	75	1188	0	254179	1333333
4	2	19	915923	67	1913	0	415363	1333333
5	2	19	934770	64	1930	0	396505	1333333
6	3	19	180036	54	1828	1704	1149603	1333333
7	1	19	870360	54	0	0	462919	1333333
8	1	19	1188781	76	0	0	144476	1333333
9	1	19	726551	98	0	0	606684	1333333

Type 5 #16 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	11	638028	89	1574	1474	215799	857142
2	2	11	668759	73	1617	0	186620	857142
3	1	11	308367	73	0	0	548702	857142
4	3	11	472622	71	1406	1523	381378	857142
5	1	11	331046	60	0	0	526036	857142
6	3	11	64674	90	1741	1640	788817	857142
7	1	11	854304	81	0	0	2757	857142
8	1	11	155191	78	0	0	701873	857142
9	3	11	94342	51	1795	1908	758944	857142
10	3	11	681048	74	1060	1185	173627	857142
11	1	11	734548	52	0	0	122542	857142
12	3	11	820281	79	1553	1088	33983	857142
13	3	11	580510	91	1934	1339	273086	857142
14	1	11	98096	76	0	0	758970	857142

Type 5 #17 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	512635	96	1473	0	191582	705882
2	2	7	92900	51	1889	0	610991	705882
3	2	7	5940	78	1321	0	698465	705882
4	2	7	685486	50	1961	0	18335	705882
5	3	7	375101	69	1502	1233	327839	705882
6	1	7	702592	75	0	0	3215	705882
7	2	7	81601	74	1097	0	623036	705882
8	2	7	228515	81	1917	0	475288	705882
9	3	7	341365	52	1483	1477	361401	705882
10	1	7	141990	65	0	0	563827	705882
11	1	7	555557	82	0	0	150243	705882
12	1	7	169714	54	0	0	536114	705882
13	3	7	607555	59	1406	1525	95219	705882
14	3	7	258250	58	1468	1776	444214	705882
15	3	7	654174	54	1728	1828	47990	705882
16	3	7	597924	51	1203	1946	104656	705882
17	2	7	114176	92	1777	0	589745	705882

Type 5 #18 5526 [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	186051	96	0	0	813853	1000000
2	2	6	430103	89	1867	0	567852	1000000
3	3	6	496622	87	1250	1126	500741	1000000
4	2	6	36326	61	1183	0	962369	1000000
5	3	6	85806	94	1557	1131	911224	1000000
6	3	6	134010	50	1156	1382	863302	1000000
7	2	6	904373	50	1690	0	93837	1000000
8	3	6	895297	64	1244	1336	101931	1000000
9	1	6	650900	83	0	0	349017	1000000
10	3	6	848064	83	1702	1171	148814	1000000
11	2	6	139906	60	1170	0	858804	1000000
12	1	6	867734	77	0	0	132189	1000000

Type 5 #19 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	6	359480	79	0	0	390441	750000
2	3	6	289446	57	1700	1954	456729	750000
3	2	6	251924	73	1436	0	496494	750000
4	2	6	177826	60	1744	0	570310	750000
5	3	6	559285	76	1549	1765	187173	750000
6	2	6	61185	73	1067	0	687602	750000
7	1	6	489244	96	0	0	260660	750000
8	1	6	711315	100	0	0	38585	750000
9	3	6	497009	82	1254	1199	250292	750000
10	3	6	626613	55	1854	1530	119838	750000
11	2	6	529716	66	1438	0	218714	750000
12	1	6	114901	98	0	0	635001	750000
13	3	6	319199	61	1887	1124	427607	750000
14	2	6	344606	96	1374	0	403828	750000
15	2	6	404517	90	1575	0	343728	750000
16	1	6	664079	79	0	0	85842	750000

Type 5 #20 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	81059	73	1194	1945	1415583	1500000
2	3	16	112363	90	1936	1409	1384022	1500000
3	3	16	406844	62	1155	1188	1090627	1500000
4	3	16	1185455	66	1547	1745	311055	1500000
5	2	16	755216	73	1841	0	742797	1500000
6	1	16	172111	64	0	0	1327825	1500000
7	2	16	644973	85	1083	0	853774	1500000
8	1	16	5814	70	0	0	1494116	1500000

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	3	18	434751	73	1032	1669	193907	631578
2	1	18	255533	100	0	0	375945	631578
3	2	18	183134	79	1213	0	447073	631578
4	3	18	339831	56	1144	1961	288474	631578
5	1	18	32943	74	0	0	598561	631578
6	2	18	409652	80	1543	0	220223	631578
7	2	18	174982	57	1557	0	454925	631578
8	1	18	321393	61	0	0	310124	631578
9	2	18	197056	69	1712	0	432672	631578
10	3	18	609879	82	1191	1918	18344	631578
11	1	18	510548	51	0	0	120979	631578
12	1	18	622675	83	0	0	8820	631578
13	2	18	556746	58	1085	0	73631	631578
14	3	18	327835	89	1417	1019	301040	631578
15	1	18	402947	72	0	0	228559	631578
16	2	18	100993	86	1829	0	528584	631578
17	1	18	434492	70	0	0	197016	631578
18	3	18	472364	56	1579	1593	155874	631578
19	2	18	2163	81	1054	0	628199	631578

Type 5 #22 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	13	400068	81	1954	0	454958	857142
2	2	13	73743	79	1390	0	781851	857142
3	2	13	178217	52	1829	0	676992	857142
4	3	13	163101	70	1817	1745	690269	857142
5	2	13	165442	63	1586	0	689988	857142
6	1	13	167807	75	0	0	689260	857142
7	3	13	672087	100	1134	1632	181989	857142
8	2	13	7726	64	1362	0	847926	857142
9	1	13	133581	55	0	0	723506	857142
10	2	13	431577	61	1443	0	424000	857142
11	3	13	765172	96	1085	1082	89515	857142
12	2	13	286072	68	1498	0	569436	857142
13	1	13	84368	54	0	0	772720	857142
14	2	13	362114	96	1197	0	493639	857142

Type 5 #23 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	2	20	893074	80	1431	0	28411	923076
2	3	20	839957	85	1802	1254	79808	923076
3	1	20	399343	64	0	0	523669	923076
4	1	20	254442	90	0	0	668544	923076
5	3	20	619079	55	1553	1565	300714	923076
6	1	20	64473	68	0	0	858535	923076
7	3	20	405196	73	1951	1694	514016	923076
8	3	20	344209	97	1176	1306	576094	923076
9	1	20	541235	65	0	0	381776	923076
10	3	20	293482	96	1253	1991	626062	923076
11	2	20	831565	93	1454	0	89871	923076
12	1	20	869069	89	0	0	53918	923076
13	2	20	562658	66	1732	0	358554	923076

Type 5 #24 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	625024	89	1692	0	123106	750000
2	1	6	613915	77	0	0	136008	750000
3	1	6	497924	55	0	0	252021	750000
4	2	6	358461	54	1090	0	390341	750000
5	2	6	274932	86	1164	0	473732	750000
6	1	6	659272	52	0	0	90676	750000
7	2	6	648055	81	1496	0	100287	750000
8	1	6	439681	66	0	0	310253	750000
9	1	6	486117	95	0	0	263788	750000
10	2	6	211498	85	1832	0	536500	750000
11	3	6	88836	53	1910	1515	657580	750000
12	2	6	65712	93	1979	0	682123	750000
13	2	6	281871	75	1516	0	466463	750000
14	1	6	124216	72	0	0	625712	750000
15	1	6	607722	53	0	0	142225	750000
16	2	6	669046	97	1348	0	79412	750000

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	2	6	237966	99	1903	0	391511	631578
2	2	6	389296	50	1328	0	240854	631578
3	1	6	477946	84	0	0	153548	631578
4	1	6	322862	69	0	0	308647	631578
5	2	6	63533	51	1870	0	566073	631578
6	1	6	16665	98	0	0	614815	631578
7	3	6	369820	89	1463	1393	258635	631578
8	2	6	438685	90	1408	0	191305	631578
9	3	6	121322	84	1230	1748	507026	631578
10	2	6	391867	62	1972	0	237615	631578
11	3	6	144720	60	1184	1901	483593	631578
12	3	6	293261	94	1898	1804	334333	631578
13	1	6	141722	78	0	0	489778	631578
14	1	6	604761	54	0	0	26763	631578
15	3	6	509328	58	1558	1566	118952	631578
16	1	6	420803	89	0	0	210686	631578
17	3	6	159801	90	1341	1336	468830	631578
18	1	6	118233	99	0	0	513246	631578
19	1	6	563821	77	0	0	67680	631578

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	1	20	1096341	58	0	0	403601	1500000
2	3	20	98000	83	1651	1619	1398481	1500000
3	1	20	350156	100	0	0	1149744	1500000
4	1	20	1081028	91	0	0	418881	1500000
5	2	20	554996	84	1015	0	943821	1500000
6	3	20	339620	96	1322	1839	1156931	1500000
7	3	20	943261	82	1928	1746	552819	1500000
8	2	20	432934	90	1611	0	1065275	1500000

Type 5 #27 5526 [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	109312	54	1784	0	1222129	1333333
2	2	5	923740	80	1349	0	408084	1333333
3	3	5	1310244	62	1819	1436	19648	1333333
4	2	5	321982	57	1430	0	1009807	1333333
5	1	5	25029	80	0	0	1308224	1333333
6	2	5	569261	57	1314	0	762644	1333333
7	1	5	1143321	86	0	0	189926	1333333
8	3	5	242249	88	1884	1695	1087241	1333333
9	2	5	970071	70	1987	0	361135	1333333

Type 5 #28 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	19	676157	95	0	0	523748	1200000
2	2	19	373803	60	1514	0	824563	1200000
3	1	19	469172	64	0	0	730764	1200000
4	1	19	836849	77	0	0	363074	1200000
5	1	19	558357	55	0	0	641588	1200000
6	1	19	39806	93	0	0	1160101	1200000
7	2	19	1198471	93	1470	0	-127	1200000
8	3	19	952645	73	1231	1415	244490	1200000
9	1	19	818464	59	0	0	381477	1200000
10	1	19	68816	56	0	0	1131128	1200000

Type 5 #29 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	11	299091	52	1969	1530	554396	857142
2	1	11	368883	93	0	0	488166	857142
3	3	11	786314	65	1976	1572	67085	857142
4	2	11	295013	91	1418	0	560529	857142
5	2	11	102633	90	1725	0	752604	857142
6	1	11	474285	73	0	0	382784	857142
7	2	11	459425	97	1733	0	395790	857142
8	3	11	117141	53	1648	1445	736749	857142
9	1	11	256644	78	0	0	600420	857142
10	1	11	218566	79	0	0	638497	857142
11	3	11	66871	97	1583	1100	787297	857142
12	2	11	599789	63	1243	0	255984	857142
13	1	11	653445	79	0	0	203618	857142
14	3	11	8405	95	1562	1983	844907	857142

Type 5 #30 5526 [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	124260	58	1426	1407	872733	1000000
2	1	6	874985	100	0	0	124915	1000000
3	3	6	827874	88	1915	1946	168001	1000000
4	3	6	795581	88	1184	1558	201413	1000000
5	2	6	41658	71	1604	0	956596	1000000
6	1	6	219979	53	0	0	779968	1000000
7	1	6	771201	80	0	0	228719	1000000
8	1	6	150898	91	0	0	849011	1000000
9	1	6	136021	68	0	0	863911	1000000
10	1	6	68092	52	0	0	931856	1000000
11	1	6	181433	77	0	0	818490	1000000
12	2	6	23460	96	1823	0	974525	1000000

Type 6 #1 [Back to Summary]									
#01-5710	#02-5576	#03-5611	#04-5551	#05-5717	#06-5415	#07-5424	#08-5495	#09-5314	#10-5607
#11-5583	#12-5409	#13-5650	#14-5360	#15-5508	#16-5472	#17-5655	#18-5552	#19-5365	#20-5602
#21-5302	#22-5724	#23-5333	#24-5336	#25-5639	#26-5659	#27-5265	#28-5598	#29-5545	#30-5525
#31-5328	#32-5400	#33-5527	#34-5455	#35-5640	#36-5253	#37-5381	#38-5429	#39-5526	#40-5484
#41-5593	#42-5386	#43-5392	#44-5425	#45-5396	#46-5507	#47-5618	#48-5518	#49-5520	#50-5715
#51-5330	#52-5532	#53-5406	#54-5560	#55-5706	#56-5708	#57-5487	#58-5521	#59-5637	#60-5304
#61-5395	#62-5549	#63-5672	#64-5504	#65-5524	#66-5430	#67-5608	#68-5439	#69-5444	#70-5500
#71-5337	#72-5470	#73-5274	#74-5609	#75-5259	#76-5645	#77-5580	#78-5634	#79-5668	#80-5373
#81-5289	#82-5465	#83-5323	#84-5561	#85-5441	#86-5519	#87-5718	#88-5694	#89-5467	#90-5656
#91-5479	#92-5582	#93-5510	#94-5461	#95-5329	#96-5290	#97-5434	#98-5612	#99-5625	#100-5689

Type 6 #2 [Back to Summary]									
#01-5626	#02-5423	#03-5322	#04-5265	#05-5624	#06-5582	#07-5505	#08-5527	#09-5549	#10-5316
#11-5380	#12-5584	#13-5585	#14-5504	#15-5266	#16-5657	#17-5469	#18-5362	#19-5315	#20-5254
#21-5439	#22-5639	#23-5694	#24-5518	#25-5272	#26-5482	#27-5686	#28-5531	#29-5520	#30-5691
#31-5449	#32-5699	#33-5261	#34-5701	#35-5477	#36-5594	#37-5397	#38-5313	#39-5659	#40-5587
#41-5269	#42-5438	#43-5395	#44-5407	#45-5524	#46-5629	#47-5724	#48-5259	#49-5454	#50-5405
#51-5548	#52-5331	#53-5543	#54-5618	#55-5498	#56-5714	#57-5453	#58-5529	#59-5719	#60-5387
#61-5620	#62-5698	#63-5257	#64-5580	#65-5591	#66-5403	#67-5569	#68-5608	#69-5280	#70-5392
#71-5501	#72-5406	#73-5425	#74-5450	#75-5711	#76-5722	#77-5486	#78-5535	#79-5716	#80-5363
#81-5479	#82-5672	#83-5325	#84-5359	#85-5385	#86-5367	#87-5401	#88-5364	#89-5446	#90-5490
#91-5382	#92-5597	#93-5317	#94-5517	#95-5685	#96-5292	#97-5431	#98-5540	#99-5545	#100-5360

Type 6 #3 [Back to Summary]									
#01-5305	#02-5366	#03-5708	#04-5308	#05-5624	#06-5391	#07-5627	#08-5340	#09-5631	#10-5503
#11-5474	#12-5645	#13-5535	#14-5600	#15-5633	#16-5671	#17-5621	#18-5614	#19-5439	#20-5466
#21-5252	#22-5452	#23-5409	#24-5509	#25-5260	#26-5639	#27-5338	#28-5635	#29-5486	#30-5672
#31-5539	#32-5679	#33-5719	#34-5595	#35-5311	#36-5365	#37-5693	#38-5268	#39-5461	#40-5251
#41-5467	#42-5316	#43-5458	#44-5669	#45-5267	#46-5465	#47-5309	#48-5438	#49-5606	#50-5273
#51-5393	#52-5538	#53-5347	#54-5324	#55-5368	#56-5574	#57-5682	#58-5446	#59-5298	#60-5712
#61-5301	#62-5717	#63-5573	#64-5686	#65-5687	#66-5520	#67-5648	#68-5656	#69-5536	#70-5512
#71-5701	#72-5598	#73-5402	#74-5434	#75-5250	#76-5659	#77-5718	#78-5462	#79-5492	#80-5514
#81-5571	#82-5615	#83-5276	#84-5463	#85-5524	#86-5254	#87-5577	#88-5643	#89-5483	#90-5453
#91-5407	#92-5493	#93-5694	#94-5475	#95-5673	#96-5472	#97-5454	#98-5497	#99-5706	#100-5459

Type 6 #4 [Back to Summary]									
#01-5542	#02-5374	#03-5627	#04-5344	#05-5292	#06-5510	#07-5385	#08-5631	#09-5321	#10-5428
#11-5584	#12-5465	#13-5679	#14-5505	#15-5382	#16-5404	#17-5695	#18-5358	#19-5410	#20-5685
#21-5663	#22-5252	#23-5423	#24-5328	#25-5352	#26-5459	#27-5637	#28-5651	#29-5490	#30-5500
#31-5450	#32-5470	#33-5484	#34-5274	#35-5701	#36-5456	#37-5721	#38-5653	#39-5424	#40-5267
#41-5592	#42-5676	#43-5575	#44-5309	#45-5602	#46-5671	#47-5543	#48-5438	#49-5342	#50-5525
#51-5509	#52-5351	#53-5338	#54-5272	#55-5533	#56-5541	#57-5678	#58-5551	#59-5717	#60-5563
#61-5597	#62-5455	#63-5389	#64-5549	#65-5703	#66-5363	#67-5707	#68-5649	#69-5528	#70-5647
#71-5402	#72-5288	#73-5658	#74-5387	#75-5336	#76-5711	#77-5399	#78-5357	#79-5449	#80-5405
#81-5634	#82-5446	#83-5557	#84-5689	#85-5715	#86-5339	#87-5372	#88-5461	#89-5472	#90-5409
#91-5502	#92-5420	#93-5657	#94-5586	#95-5391	#96-5378	#97-5536	#98-5276	#99-5324	#100-5489

Type 6 #5 [Back to Summary]									
#01-5690	#02-5613	#03-5632	#04-5417	#05-5365	#06-5466	#07-5418	#08-5676	#09-5654	#10-5541
#11-5386	#12-5566	#13-5344	#14-5560	#15-5647	#16-5398	#17-5624	#18-5425	#19-5554	#20-5604
#21-5713	#22-5494	#23-5431	#24-5366	#25-5396	#26-5708	#27-5349	#28-5318	#29-5720	#30-5680
#31-5423	#32-5369	#33-5275	#34-5686	#35-5440	#36-5272	#37-5536	#38-5385	#39-5573	#40-5498
#41-5650	#42-5424	#43-5526	#44-5649	#45-5270	#46-5658	#47-5322	#48-5345	#49-5663	#50-5719
#51-5481	#52-5357	#53-5447	#54-5452	#55-5500	#56-5443	#57-5432	#58-5514	#59-5265	#60-5378
#61-5358	#62-5338	#63-5681	#64-5697	#65-5364	#66-5263	#67-5540	#68-5382	#69-5372	#70-5620
#71-5585	#72-5489	#73-5576	#74-5303	#75-5677	#76-5538	#77-5693	#78-5506	#79-5340	#80-5467
#81-5629	#82-5253	#83-5384	#84-5724	#85-5451	#86-5309	#87-5645	#88-5551	#89-5439	#90-5718
#91-5567	#92-5276	#93-5367	#94-5445	#95-5388	#96-5557	#97-5472	#98-5555	#99-5531	#100-5256

Type 6 #6 [Back to Summary]									
#01-5369	#02-5667	#03-5701	#04-5289	#05-5385	#06-5719	#07-5510	#08-5389	#09-5496	#10-5684
#11-5473	#12-5648	#13-5416	#14-5528	#15-5472	#16-5356	#17-5685	#18-5679	#19-5499	#20-5304
#21-5337	#22-5712	#23-5665	#24-5375	#25-5305	#26-5559	#27-5367	#28-5383	#29-5642	#30-5371
#31-5319	#32-5392	#33-5696	#34-5338	#35-5345	#36-5688	#37-5275	#38-5344	#39-5588	#40-5456
#41-5530	#42-5515	#43-5302	#44-5480	#45-5498	#46-5638	#47-5583	#48-5567	#49-5692	#50-5274
#51-5596	#52-5512	#53-5303	#54-5477	#55-5639	#56-5382	#57-5723	#58-5574	#59-5706	#60-5548
#61-5599	#62-5377	#63-5463	#64-5373	#65-5612	#66-5332	#67-5673	#68-5323	#69-5432	#70-5508
#71-5327	#72-5590	#73-5340	#74-5291	#75-5503	#76-5551	#77-5654	#78-5441	#79-5604	#80-5395
#81-5699	#82-5526	#83-5418	#84-5617	#85-5497	#86-5535	#87-5328	#88-5466	#89-5423	#90-5687
#91-5689	#92-5427	#93-5359	#94-5284	#95-5577	#96-5403	#97-5290	#98-5651	#99-5586	#100-5412

Type 6 #7 [Back to Summary]									
#01-5689	#02-5507	#03-5384	#04-5433	#05-5671	#06-5255	#07-5419	#08-5261	#09-5700	#10-5342
#11-5449	#12-5533	#13-5695	#14-5568	#15-5574	#16-5323	#17-5684	#18-5572	#19-5598	#20-5330
#21-5252	#22-5458	#23-5628	#24-5467	#25-5541	#26-5627	#27-5478	#28-5301	#29-5440	#30-5352
#31-5505	#32-5253	#33-5580	#34-5443	#35-5423	#36-5442	#37-5390	#38-5708	#39-5670	#40-5495
#41-5363	#42-5321	#43-5497	#44-5329	#45-5493	#46-5408	#47-5459	#48-5523	#49-5439	#50-5509
#51-5437	#52-5450	#53-5305	#54-5514	#55-5405	#56-5486	#57-5608	#58-5645	#59-5619	#60-5291
#61-5506	#62-5367	#63-5550	#64-5603	#65-5565	#66-5445	#67-5680	#68-5504	#69-5388	#70-5377
#71-5659	#72-5706	#73-5629	#74-5349	#75-5693	#76-5655	#77-5687	#78-5552	#79-5702	#80-5378
#81-5416	#82-5682	#83-5586	#84-5660	#85-5636	#86-5302	#87-5667	#88-5316	#89-5282	#90-5664
#91-5561	#92-5471	#93-5337	#94-5624	#95-5719	#96-5720	#97-5500	#98-5615	#99-5487	#100-5292

Type 6 #8 [Back to Summary]									
#01-5455	#02-5679	#03-5375	#04-5308	#05-5571	#06-5460	#07-5548	#08-5677	#09-5538	#10-5477
#11-5519	#12-5302	#13-5667	#14-5482	#15-5596	#16-5541	#17-5506	#18-5606	#19-5687	#20-5501
#21-5496	#22-5608	#23-5461	#24-5443	#25-5542	#26-5427	#27-5615	#28-5721	#29-5356	#30-5698
#31-5396	#32-5313	#33-5303	#34-5652	#35-5650	#36-5464	#37-5558	#38-5523	#39-5338	#40-5421
#41-5480	#42-5716	#43-5504	#44-5531	#45-5391	#46-5509	#47-5529	#48-5584	#49-5279	#50-5417
#51-5453	#52-5625	#53-5660	#54-5712	#55-5517	#56-5574	#57-5450	#58-5648	#59-5485	#60-5378
#61-5570	#62-5551	#63-5566	#64-5565	#65-5320	#66-5440	#67-5722	#68-5262	#69-5554	#70-5368
#71-5706	#72-5704	#73-5505	#74-5498	#75-5268	#76-5499	#77-5343	#78-5657	#79-5297	#80-5277
#81-5628	#82-5276	#83-5686	#84-5658	#85-5474	#86-5493	#87-5372	#88-5315	#89-5374	#90-5326
#91-5255	#92-5632	#93-5283	#94-5676	#95-5582	#96-5655	#97-5393	#98-5664	#99-5445	#100-5668

Type 6 #9 [Back to Summary]									
#01-5514	#02-5516	#03-5277	#04-5630	#05-5442	#06-5478	#07-5359	#08-5402	#09-5692	#10-5263
#11-5473	#12-5530	#13-5599	#14-5460	#15-5485	#16-5544	#17-5589	#18-5635	#19-5329	#20-5549
#21-5321	#22-5655	#23-5609	#24-5474	#25-5370	#26-5324	#27-5675	#28-5561	#29-5652	#30-5337
#31-5357	#32-5409	#33-5450	#34-5358	#35-5493	#36-5362	#37-5251	#38-5307	#39-5467	#40-5257
#41-5395	#42-5705	#43-5351	#44-5372	#45-5584	#46-5455	#47-5285	#48-5552	#49-5445	#50-5290
#51-5319	#52-5498	#53-5590	#54-5640	#55-5602	#56-5588	#57-5638	#58-5529	#59-5510	#60-5369
#61-5535	#62-5526	#63-5477	#64-5611	#65-5636	#66-5311	#67-5326	#68-5491	#69-5698	#70-5376
#71-5545	#72-5533	#73-5416	#74-5322	#75-5405	#76-5344	#77-5559	#78-5492	#79-5626	#80-5651
#81-5288	#82-5380	#83-5368	#84-5618	#85-5268	#86-5597	#87-5557	#88-5547	#89-5488	#90-5641
#91-5452	#92-5447	#93-5528	#94-5348	#95-5449	#96-5603	#97-5479	#98-5470	#99-5461	#100-5522

Type 6 #10 [Back to Summary]									
#01-5377	#02-5521	#03-5578	#04-5321	#05-5474	#06-5516	#07-5325	#08-5509	#09-5482	#10-5502
#11-5282	#12-5394	#13-5633	#14-5592	#15-5327	#16-5405	#17-5409	#18-5591	#19-5588	#20-5288
#21-5487	#22-5512	#23-5252	#24-5313	#25-5647	#26-5342	#27-5253	#28-5317	#29-5603	#30-5537
#31-5597	#32-5334	#33-5277	#34-5357	#35-5522	#36-5496	#37-5530	#38-5296	#39-5391	#40-5478
#41-5520	#42-5293	#43-5311	#44-5711	#45-5606	#46-5312	#47-5551	#48-5666	#49-5272	#50-5300
#51-5441	#52-5621	#53-5618	#54-5427	#55-5283	#56-5599	#57-5526	#58-5518	#59-5408	#60-5388
#61-5517	#62-5260	#63-5644	#64-5679	#65-5641	#66-5683	#67-5371	#68-5535	#69-5330	#70-5564
#71-5612	#72-5368	#73-5453	#74-5363	#75-5500	#76-5447	#77-5454	#78-5267	#79-5444	#80-5589
#81-5531	#82-5320	#83-5297	#84-5560	#85-5353	#86-5706	#87-5449	#88-5585	#89-5328	#90-5658
#91-5703	#92-5261	#93-5626	#94-5254	#95-5693	#96-5507	#97-5387	#98-5367	#99-5335	#100-5653

Type 6 #11 [Back to Summary]									
#01-5669	#02-5266	#03-5588	#04-5439	#05-5416	#06-5323	#07-5412	#08-5503	#09-5649	#10-5562
#11-5391	#12-5501	#13-5322	#14-5545	#15-5590	#16-5447	#17-5691	#18-5335	#19-5578	#20-5656
#21-5482	#22-5512	#23-5456	#24-5396	#25-5583	#26-5597	#27-5470	#28-5445	#29-5389	#30-5718
#31-5310	#32-5339	#33-5667	#34-5522	#35-5639	#36-5504	#37-5451	#38-5579	#39-5379	#40-5271
#41-5541	#42-5670	#43-5655	#44-5481	#45-5506	#46-5443	#47-5663	#48-5317	#49-5384	#50-5491
#51-5540	#52-5292	#53-5509	#54-5390	#55-5408	#56-5403	#57-5536	#58-5436	#59-5586	#60-5551
#61-5580	#62-5693	#63-5353	#64-5657	#65-5495	#66-5298	#67-5563	#68-5527	#69-5632	#70-5329
#71-5720	#72-5356	#73-5679	#74-5556	#75-5359	#76-5539	#77-5585	#78-5700	#79-5618	#80-5375
#81-5658	#82-5394	#83-5301	#84-5626	#85-5423	#86-5265	#87-5557	#88-5518	#89-5351	#90-5476
#91-5698	#92-5260	#93-5722	#94-5561	#95-5415	#96-5576	#97-5558	#98-5724	#99-5709	#100-5448

Type 6 #12 [Back to Summary]									
#01-5613	#02-5385	#03-5416	#04-5305	#05-5499	#06-5429	#07-5344	#08-5677	#09-5279	#10-5597
#11-5550	#12-5561	#13-5547	#14-5449	#15-5617	#16-5425	#17-5634	#18-5457	#19-5477	#20-5480
#21-5469	#22-5288	#23-5415	#24-5396	#25-5361	#26-5707	#27-5363	#28-5362	#29-5383	#30-5516
#31-5706	#32-5584	#33-5714	#34-5411	#35-5497	#36-5524	#37-5709	#38-5251	#39-5375	#40-5724
#41-5649	#42-5606	#43-5491	#44-5487	#45-5657	#46-5381	#47-5439	#48-5525	#49-5671	#50-5718
#51-5666	#52-5346	#53-5498	#54-5478	#55-5705	#56-5573	#57-5689	#58-5266	#59-5664	#60-5515
#61-5310	#62-5700	#63-5540	#64-5489	#65-5612	#66-5688	#67-5569	#68-5377	#69-5674	#70-5335
#71-5436	#72-5627	#73-5323	#74-5471	#75-5554	#76-5586	#77-5519	#78-5651	#79-5459	#80-5698
#81-5511	#82-5563	#83-5407	#84-5382	#85-5566	#86-5600	#87-5326	#88-5474	#89-5420	#90-5641
#91-5549	#92-5686	#93-5300	#94-5581	#95-5655	#96-5663	#97-5307	#98-5723	#99-5590	#100-5683

Type 6 #13 [Back to Summary]									
#01-5537	#02-5305	#03-5569	#04-5579	#05-5525	#06-5287	#07-5272	#08-5269	#09-5650	#10-5372
#11-5303	#12-5288	#13-5527	#14-5690	#15-5250	#16-5472	#17-5539	#18-5403	#19-5649	#20-5262
#21-5609	#22-5343	#23-5682	#24-5285	#25-5513	#26-5476	#27-5575	#28-5468	#29-5544	#30-5614
#31-5522	#32-5521	#33-5314	#34-5500	#35-5416	#36-5460	#37-5722	#38-5566	#39-5592	#40-5532
#41-5584	#42-5319	#43-5560	#44-5310	#45-5598	#46-5514	#47-5414	#48-5346	#49-5590	#50-5437
#51-5382	#52-5642	#53-5329	#54-5588	#55-5335	#56-5447	#57-5352	#58-5538	#59-5317	#60-5302
#61-5441	#62-5530	#63-5453	#64-5289	#65-5578	#66-5502	#67-5704	#68-5274	#69-5526	#70-5511
#71-5473	#72-5700	#73-5545	#74-5370	#75-5407	#76-5549	#77-5503	#78-5633	#79-5413	#80-5720
#81-5313	#82-5479	#83-5618	#84-5355	#85-5480	#86-5621	#87-5445	#88-5448	#89-5420	#90-5693
#91-5364	#92-5433	#93-5498	#94-5546	#95-5342	#96-5300	#97-5599	#98-5523	#99-5458	#100-5341

Type 6 #14 [Back to Summary]									
#01-5540	#02-5391	#03-5544	#04-5321	#05-5690	#06-5408	#07-5350	#08-5683	#09-5428	#10-5514
#11-5667	#12-5449	#13-5370	#14-5317	#15-5716	#16-5684	#17-5642	#18-5351	#19-5531	#20-5685
#21-5302	#22-5500	#23-5577	#24-5558	#25-5399	#26-5285	#27-5448	#28-5250	#29-5275	#30-5355
#31-5677	#32-5709	#33-5416	#34-5324	#35-5432	#36-5640	#37-5658	#38-5536	#39-5386	#40-5320
#41-5510	#42-5490	#43-5271	#44-5628	#45-5272	#46-5636	#47-5314	#48-5434	#49-5548	#50-5382
#51-5384	#52-5486	#53-5713	#54-5501	#55-5286	#56-5290	#57-5542	#58-5708	#59-5645	#60-5651
#61-5681	#62-5352	#63-5654	#64-5326	#65-5561	#66-5680	#67-5282	#68-5298	#69-5610	#70-5328
#71-5273	#72-5364	#73-5692	#74-5464	#75-5430	#76-5541	#77-5480	#78-5668	#79-5534	#80-5485
#81-5697	#82-5266	#83-5433	#84-5615	#85-5698	#86-5447	#87-5721	#88-5632	#89-5291	#90-5394
#91-5358	#92-5670	#93-5606	#94-5459	#95-5365	#96-5413	#97-5559	#98-5666	#99-5323	#100-5313

Type 6 #15 [Back to Summary]									
#01-5605	#02-5267	#03-5539	#04-5472	#05-5356	#06-5274	#07-5519	#08-5502	#09-5324	#10-5469
#11-5536	#12-5594	#13-5423	#14-5411	#15-5682	#16-5666	#17-5645	#18-5287	#19-5351	#20-5366
#21-5690	#22-5369	#23-5258	#24-5476	#25-5695	#26-5322	#27-5470	#28-5486	#29-5349	#30-5264
#31-5709	#32-5532	#33-5601	#34-5473	#35-5607	#36-5678	#37-5452	#38-5681	#39-5514	#40-5672
#41-5649	#42-5464	#43-5567	#44-5545	#45-5580	#46-5485	#47-5501	#48-5446	#49-5499	#50-5416
#51-5490	#52-5522	#53-5574	#54-5683	#55-5345	#56-5484	#57-5259	#58-5313	#59-5505	#60-5284
#61-5531	#62-5288	#63-5399	#64-5308	#65-5487	#66-5253	#67-5718	#68-5675	#69-5537	#70-5251
#71-5456	#72-5688	#73-5498	#74-5398	#75-5434	#76-5465	#77-5529	#78-5433	#79-5622	#80-5450
#81-5553	#82-5270	#83-5708	#84-5653	#85-5503	#86-5430	#87-5680	#88-5641	#89-5371	#90-5363
#91-5667	#92-5385	#93-5422	#94-5478	#95-5390	#96-5617	#97-5315	#98-5515	#99-5306	#100-5582

Type 6 #16 [Back to Summary]									
#01-5494	#02-5551	#03-5645	#04-5498	#05-5684	#06-5527	#07-5271	#08-5419	#09-5491	#10-5604
#11-5689	#12-5544	#13-5417	#14-5296	#15-5461	#16-5511	#17-5303	#18-5471	#19-5535	#20-5298
#21-5297	#22-5326	#23-5557	#24-5413	#25-5308	#26-5324	#27-5510	#28-5267	#29-5256	#30-5554
#31-5405	#32-5265	#33-5383	#34-5293	#35-5690	#36-5719	#37-5351	#38-5459	#39-5696	#40-5695
#41-5418	#42-5515	#43-5400	#44-5496	#45-5403	#46-5376	#47-5693	#48-5384	#49-5264	#50-5612
#51-5568	#52-5573	#53-5701	#54-5258	#55-5533	#56-5425	#57-5722	#58-5481	#59-5444	#60-5615
#61-5273	#62-5252	#63-5416	#64-5667	#65-5451	#66-5671	#67-5415	#68-5378	#69-5337	#70-5475
#71-5421	#72-5578	#73-5509	#74-5571	#75-5613	#76-5517	#77-5650	#78-5313	#79-5266	#80-5657
#81-5356	#82-5375	#83-5253	#84-5374	#85-5712	#86-5570	#87-5294	#88-5372	#89-5493	#90-5525
#91-5721	#92-5597	#93-5270	#94-5339	#95-5674	#96-5420	#97-5352	#98-5462	#99-5302	#100-5463

Type 6 #17 [Back to Summary]									
#01-5686	#02-5564	#03-5298	#04-5519	#05-5442	#06-5716	#07-5313	#08-5385	#09-5375	#10-5268
#11-5496	#12-5662	#13-5467	#14-5511	#15-5507	#16-5619	#17-5724	#18-5289	#19-5681	#20-5608
#21-5630	#22-5291	#23-5612	#24-5539	#25-5471	#26-5547	#27-5554	#28-5417	#29-5613	#30-5441
#31-5409	#32-5440	#33-5263	#34-5532	#35-5695	#36-5513	#37-5327	#38-5456	#39-5655	#40-5720
#41-5497	#42-5629	#43-5719	#44-5465	#45-5272	#46-5309	#47-5372	#48-5478	#49-5552	#50-5306
#51-5408	#52-5310	#53-5495	#54-5406	#55-5549	#56-5644	#57-5673	#58-5480	#59-5295	#60-5618
#61-5405	#62-5616	#63-5494	#64-5654	#65-5580	#66-5301	#67-5648	#68-5658	#69-5537	#70-5714
#71-5540	#72-5512	#73-5355	#74-5685	#75-5356	#76-5251	#77-5293	#78-5391	#79-5517	#80-5412
#81-5421	#82-5326	#83-5591	#84-5559	#85-5281	#86-5352	#87-5671	#88-5578	#89-5708	#90-5302
#91-5566	#92-5570	#93-5407	#94-5284	#95-5560	#96-5605	#97-5379	#98-5319	#99-5611	#100-5694

Type 6 #18 [Back to Summary]									
#01-5385	#02-5442	#03-5664	#04-5559	#05-5488	#06-5621	#07-5675	#08-5534	#09-5300	#10-5545
#11-5599	#12-5527	#13-5689	#14-5606	#15-5443	#16-5334	#17-5274	#18-5663	#19-5620	#20-5474
#21-5353	#22-5319	#23-5672	#24-5486	#25-5400	#26-5699	#27-5354	#28-5321	#29-5376	#30-5475
#31-5592	#32-5704	#33-5504	#34-5547	#35-5278	#36-5707	#37-5384	#38-5282	#39-5317	#40-5388
#41-5405	#42-5386	#43-5526	#44-5417	#45-5428	#46-5284	#47-5607	#48-5531	#49-5567	#50-5472
#51-5583	#52-5444	#53-5420	#54-5383	#55-5591	#56-5312	#57-5497	#58-5425	#59-5408	#60-5517
#61-5518	#62-5608	#63-5409	#64-5554	#65-5679	#66-5626	#67-5270	#68-5389	#69-5579	#70-5464
#71-5677	#72-5717	#73-5596	#74-5483	#75-5320	#76-5695	#77-5516	#78-5506	#79-5308	#80-5362
#81-5339	#82-5552	#83-5480	#84-5632	#85-5623	#86-5397	#87-5536	#88-5364	#89-5684	#90-5691
#91-5457	#92-5686	#93-5601	#94-5528	#95-5594	#96-5522	#97-5702	#98-5703	#99-5456	#100-5529

Type 6 #19 [Back to Summary]									
#01-5260	#02-5465	#03-5677	#04-5350	#05-5524	#06-5591	#07-5572	#08-5659	#09-5313	#10-5620
#11-5519	#12-5713	#13-5362	#14-5289	#15-5422	#16-5691	#17-5371	#18-5505	#19-5655	#20-5525
#21-5336	#22-5629	#23-5432	#24-5610	#25-5254	#26-5715	#27-5366	#28-5316	#29-5613	#30-5520
#31-5719	#32-5541	#33-5293	#34-5503	#35-5357	#36-5600	#37-5595	#38-5383	#39-5353	#40-5276
#41-5552	#42-5598	#43-5305	#44-5312	#45-5420	#46-5472	#47-5573	#48-5560	#49-5358	#50-5631
#51-5406	#52-5444	#53-5294	#54-5664	#55-5445	#56-5356	#57-5281	#58-5318	#59-5346	#60-5535
#61-5478	#62-5507	#63-5296	#64-5516	#65-5630	#66-5703	#67-5671	#68-5579	#69-5658	#70-5545
#71-5344	#72-5712	#73-5405	#74-5632	#75-5697	#76-5461	#77-5571	#78-5375	#79-5442	#80-5502
#81-5392	#82-5530	#83-5685	#84-5709	#85-5369	#86-5523	#87-5492	#88-5354	#89-5311	#90-5250
#91-5569	#92-5533	#93-5284	#94-5546	#95-5526	#96-5297	#97-5556	#98-5510	#99-5412	#100-5439

Type 6 #20 [Back to Summary]									
#01-5527	#02-5719	#03-5627	#04-5534	#05-5533	#06-5414	#07-5289	#08-5388	#09-5689	#10-5705
#11-5504	#12-5635	#13-5595	#14-5561	#15-5391	#16-5669	#17-5544	#18-5307	#19-5397	#20-5348
#21-5454	#22-5564	#23-5512	#24-5656	#25-5699	#26-5532	#27-5676	#28-5582	#29-5350	#30-5649
#31-5630	#32-5306	#33-5684	#34-5252	#35-5704	#36-5393	#37-5621	#38-5398	#39-5423	#40-5673
#41-5479	#42-5354	#43-5385	#44-5329	#45-5465	#46-5655	#47-5657	#48-5444	#49-5399	#50-5576
#51-5471	#52-5490	#53-5361	#54-5304	#55-5710	#56-5686	#57-5449	#58-5693	#59-5555	#60-5723
#61-5458	#62-5426	#63-5282	#64-5285	#65-5319	#66-5442	#67-5670	#68-5590	#69-5578	#70-5721
#71-5291	#72-5390	#73-5602	#74-5443	#75-5584	#76-5342	#77-5419	#78-5430	#79-5435	#80-5286
#81-5598	#82-5477	#83-5429	#84-5496	#85-5421	#86-5379	#87-5664	#88-5620	#89-5265	#90-5264
#91-5662	#92-5648	#93-5558	#94-5424	#95-5462	#96-5301	#97-5320	#98-5349	#99-5259	#100-5271

Type 6 #21 [Back to Summary]									
#01-5708	#02-5315	#03-5590	#04-5403	#05-5536	#06-5329	#07-5612	#08-5643	#09-5444	#10-5611
#11-5514	#12-5270	#13-5505	#14-5519	#15-5370	#16-5710	#17-5722	#18-5511	#19-5585	#20-5659
#21-5498	#22-5298	#23-5574	#24-5563	#25-5304	#26-5360	#27-5554	#28-5427	#29-5709	#30-5532
#31-5275	#32-5319	#33-5420	#34-5414	#35-5306	#36-5537	#37-5615	#38-5279	#39-5684	#40-5348
#41-5496	#42-5274	#43-5432	#44-5381	#45-5475	#46-5647	#47-5398	#48-5294	#49-5308	#50-5478
#51-5310	#52-5535	#53-5490	#54-5330	#55-5494	#56-5661	#57-5463	#58-5273	#59-5352	#60-5428
#61-5501	#62-5435	#63-5660	#64-5636	#65-5591	#66-5448	#67-5577	#68-5343	#69-5464	#70-5565
#71-5349	#72-5693	#73-5557	#74-5488	#75-5408	#76-5476	#77-5599	#78-5446	#79-5339	#80-5384
#81-5688	#82-5517	#83-5374	#84-5484	#85-5479	#86-5467	#87-5560	#88-5346	#89-5650	#90-5372
#91-5322	#92-5595	#93-5662	#94-5515	#95-5581	#96-5316	#97-5342	#98-5528	#99-5525	#100-5277

Type 6 #22 [Back to Summary]									
#01-5322	#02-5307	#03-5557	#04-5471	#05-5381	#06-5340	#07-5704	#08-5251	#09-5641	#10-5268
#11-5317	#12-5267	#13-5661	#14-5688	#15-5464	#16-5710	#17-5310	#18-5427	#19-5409	#20-5372
#21-5617	#22-5481	#23-5423	#24-5344	#25-5491	#26-5489	#27-5287	#28-5295	#29-5640	#30-5346
#31-5388	#32-5325	#33-5653	#34-5311	#35-5315	#36-5629	#37-5680	#38-5626	#39-5359	#40-5396
#41-5496	#42-5554	#43-5437	#44-5627	#45-5306	#46-5308	#47-5652	#48-5693	#49-5296	#50-5589
#51-5259	#52-5644	#53-5373	#54-5408	#55-5395	#56-5571	#57-5610	#58-5473	#59-5711	#60-5619
#61-5303	#62-5662	#63-5343	#64-5551	#65-5606	#66-5720	#67-5347	#68-5598	#69-5623	#70-5556
#71-5279	#72-5414	#73-5329	#74-5269	#75-5602	#76-5324	#77-5298	#78-5521	#79-5284	#80-5441
#81-5559	#82-5328	#83-5723	#84-5304	#85-5342	#86-5472	#87-5682	#88-5509	#89-5648	#90-5475
#91-5266	#92-5470	#93-5645	#94-5461	#95-5350	#96-5553	#97-5474	#98-5601	#99-5270	#100-5320

Type 6 #23 [Back to Summary]									
#01-5692	#02-5299	#03-5316	#04-5463	#05-5559	#06-5579	#07-5571	#08-5347	#09-5519	#10-5321
#11-5523	#12-5344	#13-5432	#14-5530	#15-5312	#16-5710	#17-5662	#18-5283	#19-5471	#20-5396
#21-5287	#22-5563	#23-5680	#24-5410	#25-5542	#26-5541	#27-5487	#28-5594	#29-5657	#30-5302
#31-5578	#32-5417	#33-5499	#34-5698	#35-5460	#36-5507	#37-5252	#38-5510	#39-5465	#40-5476
#41-5620	#42-5588	#43-5708	#44-5577	#45-5669	#46-5647	#47-5279	#48-5363	#49-5390	#50-5351
#51-5617	#52-5427	#53-5382	#54-5600	#55-5272	#56-5379	#57-5343	#58-5633	#59-5648	#60-5266
#61-5340	#62-5705	#63-5415	#64-5467	#65-5469	#66-5357	#67-5569	#68-5457	#69-5315	#70-5532
#71-5709	#72-5402	#73-5545	#74-5719	#75-5502	#76-5426	#77-5583	#78-5354	#79-5464	#80-5621
#81-5509	#82-5372	#83-5446	#84-5557	#85-5408	#86-5394	#87-5281	#88-5632	#89-5675	#90-5329
#91-5413	#92-5342	#93-5595	#94-5449	#95-5384	#96-5640	#97-5421	#98-5493	#99-5355	#100-5567

Type 6 #24 [Back to Summary]									
#01-5330	#02-5547	#03-5297	#04-5588	#05-5369	#06-5465	#07-5613	#08-5390	#09-5344	#10-5571
#11-5527	#12-5715	#13-5416	#14-5278	#15-5484	#16-5693	#17-5507	#18-5584	#19-5305	#20-5322
#21-5321	#22-5665	#23-5511	#24-5709	#25-5367	#26-5612	#27-5538	#28-5345	#29-5583	#30-5592
#31-5257	#32-5339	#33-5722	#34-5628	#35-5535	#36-5685	#37-5325	#38-5585	#39-5437	#40-5671
#41-5505	#42-5619	#43-5531	#44-5354	#45-5525	#46-5423	#47-5654	#48-5557	#49-5690	#50-5414
#51-5380	#52-5560	#53-5433	#54-5282	#55-5488	#56-5391	#57-5284	#58-5311	#59-5470	#60-5480
#61-5651	#62-5517	#63-5530	#64-5475	#65-5564	#66-5436	#67-5717	#68-5510	#69-5462	#70-5519
#71-5621	#72-5647	#73-5393	#74-5357	#75-5540	#76-5424	#77-5377	#78-5405	#79-5429	#80-5669
#81-5681	#82-5703	#83-5373	#84-5412	#85-5457	#86-5418	#87-5631	#88-5687	#89-5381	#90-5394
#91-5650	#92-5261	#93-5359	#94-5679	#95-5268	#96-5714	#97-5332	#98-5301	#99-5514	#100-5336

Type 6 #25 [Back to Summary]									
#01-5431	#02-5391	#03-5341	#04-5421	#05-5526	#06-5460	#07-5415	#08-5323	#09-5474	#10-5312
#11-5259	#12-5605	#13-5609	#14-5531	#15-5528	#16-5674	#17-5390	#18-5364	#19-5268	#20-5394
#21-5539	#22-5280	#23-5379	#24-5321	#25-5598	#26-5610	#27-5536	#28-5444	#29-5339	#30-5552
#31-5343	#32-5325	#33-5624	#34-5342	#35-5491	#36-5546	#37-5618	#38-5685	#39-5622	#40-5251
#41-5255	#42-5559	#43-5470	#44-5322	#45-5392	#46-5298	#47-5385	#48-5568	#49-5411	#50-5324
#51-5581	#52-5700	#53-5288	#54-5376	#55-5535	#56-5408	#57-5264	#58-5273	#59-5558	#60-5651
#61-5658	#62-5703	#63-5712	#64-5653	#65-5698	#66-5662	#67-5710	#68-5516	#69-5293	#70-5711
#71-5313	#72-5441	#73-5478	#74-5269	#75-5395	#76-5705	#77-5541	#78-5308	#79-5660	#80-5550
#81-5479	#82-5693	#83-5287	#84-5267	#85-5695	#86-5373	#87-5291	#88-5499	#89-5537	#90-5345
#91-5527	#92-5593	#93-5388	#94-5694	#95-5331	#96-5282	#97-5573	#98-5548	#99-5357	#100-5457

Type 6 #26 [Back to Summary]									
#01-5314	#02-5589	#03-5519	#04-5419	#05-5260	#06-5390	#07-5475	#08-5271	#09-5710	#10-5551
#11-5591	#12-5681	#13-5337	#14-5253	#15-5422	#16-5680	#17-5663	#18-5693	#19-5674	#20-5577
#21-5620	#22-5461	#23-5707	#24-5678	#25-5432	#26-5444	#27-5303	#28-5499	#29-5662	#30-5356
#31-5385	#32-5719	#33-5679	#34-5456	#35-5482	#36-5606	#37-5423	#38-5586	#39-5256	#40-5554
#41-5616	#42-5268	#43-5508	#44-5708	#45-5468	#46-5565	#47-5501	#48-5374	#49-5524	#50-5365
#51-5338	#52-5597	#53-5588	#54-5491	#55-5549	#56-5571	#57-5605	#58-5558	#59-5711	#60-5534
#61-5332	#62-5696	#63-5324	#64-5601	#65-5406	#66-5592	#67-5724	#68-5602	#69-5487	#70-5528
#71-5496	#72-5319	#73-5685	#74-5362	#75-5677	#76-5603	#77-5670	#78-5722	#79-5449	#80-5579
#81-5657	#82-5642	#83-5697	#84-5536	#85-5267	#86-5502	#87-5370	#88-5427	#89-5624	#90-5627
#91-5252	#92-5575	#93-5598	#94-5429	#95-5459	#96-5640	#97-5655	#98-5626	#99-5531	#100-5585

Type 6 #27 [Back to Summary]									
#01-5571	#02-5624	#03-5606	#04-5715	#05-5586	#06-5266	#07-5636	#08-5471	#09-5532	#10-5673
#11-5620	#12-5604	#13-5350	#14-5370	#15-5594	#16-5408	#17-5722	#18-5499	#19-5580	#20-5623
#21-5462	#22-5530	#23-5700	#24-5583	#25-5525	#26-5642	#27-5435	#28-5489	#29-5618	#30-5286
#31-5666	#32-5294	#33-5421	#34-5577	#35-5267	#36-5292	#37-5293	#38-5708	#39-5684	#40-5251
#41-5596	#42-5627	#43-5626	#44-5678	#45-5259	#46-5368	#47-5478	#48-5477	#49-5558	#50-5312
#51-5649	#52-5404	#53-5299	#54-5646	#55-5380	#56-5284	#57-5648	#58-5270	#59-5429	#60-5670
#61-5541	#62-5387	#63-5568	#64-5491	#65-5257	#66-5567	#67-5426	#68-5486	#69-5353	#70-5547
#71-5365	#72-5264	#73-5536	#74-5578	#75-5276	#76-5557	#77-5634	#78-5274	#79-5573	#80-5409
#81-5403	#82-5686	#83-5656	#84-5550	#85-5361	#86-5500	#87-5724	#88-5497	#89-5446	#90-5706
#91-5366	#92-5278	#93-5517	#94-5265	#95-5424	#96-5456	#97-5306	#98-5379	#99-5674	#100-5405

Type 6 #28 [Back to Summary]									
#01-5664	#02-5717	#03-5379	#04-5262	#05-5667	#06-5633	#07-5589	#08-5437	#09-5621	#10-5540
#11-5374	#12-5625	#13-5413	#14-5271	#15-5512	#16-5587	#17-5459	#18-5268	#19-5384	#20-5476
#21-5576	#22-5650	#23-5291	#24-5369	#25-5435	#26-5342	#27-5463	#28-5528	#29-5406	#30-5536
#31-5515	#32-5502	#33-5323	#34-5422	#35-5472	#36-5412	#37-5556	#38-5643	#39-5617	#40-5452
#41-5641	#42-5537	#43-5607	#44-5636	#45-5580	#46-5465	#47-5584	#48-5501	#49-5473	#50-5561
#51-5250	#52-5282	#53-5721	#54-5442	#55-5553	#56-5265	#57-5680	#58-5258	#59-5550	#60-5574
#61-5418	#62-5312	#63-5284	#64-5336	#65-5279	#66-5601	#67-5552	#68-5715	#69-5522	#70-5349
#71-5290	#72-5545	#73-5375	#74-5661	#75-5564	#76-5296	#77-5297	#78-5382	#79-5513	#80-5696
#81-5483	#82-5686	#83-5307	#84-5571	#85-5533	#86-5481	#87-5505	#88-5608	#89-5598	#90-5451
#91-5457	#92-5543	#93-5338	#94-5295	#95-5280	#96-5582	#97-5499	#98-5519	#99-5614	#100-5708

Type 6 #29 [Back to Summary]									
#01-5639	#02-5592	#03-5705	#04-5373	#05-5523	#06-5429	#07-5629	#08-5312	#09-5608	#10-5509
#11-5697	#12-5543	#13-5466	#14-5580	#15-5338	#16-5462	#17-5258	#18-5435	#19-5525	#20-5517
#21-5339	#22-5675	#23-5371	#24-5316	#25-5613	#26-5467	#27-5453	#28-5332	#29-5628	#30-5710
#31-5511	#32-5494	#33-5498	#34-5532	#35-5302	#36-5616	#37-5702	#38-5654	#39-5291	#40-5354
#41-5576	#42-5440	#43-5719	#44-5330	#45-5481	#46-5642	#47-5323	#48-5478	#49-5676	#50-5539
#51-5566	#52-5313	#53-5720	#54-5336	#55-5617	#56-5687	#57-5464	#58-5635	#59-5482	#60-5301
#61-5696	#62-5544	#63-5406	#64-5621	#65-5723	#66-5443	#67-5290	#68-5659	#69-5524	#70-5441
#71-5483	#72-5327	#73-5389	#74-5414	#75-5664	#76-5615	#77-5679	#78-5284	#79-5556	#80-5693
#81-5387	#82-5698	#83-5378	#84-5335	#85-5390	#86-5439	#87-5499	#88-5407	#89-5634	#90-5340
#91-5392	#92-5309	#93-5415	#94-5712	#95-5377	#96-5277	#97-5278	#98-5346	#99-5333	#100-5276

Type 6 #30 [Back to Summary]									
#01-5596	#02-5388	#03-5678	#04-5476	#05-5301	#06-5487	#07-5648	#08-5548	#09-5395	#10-5722
#11-5257	#12-5430	#13-5328	#14-5515	#15-5638	#16-5724	#17-5412	#18-5322	#19-5481	#20-5527
#21-5673	#22-5607	#23-5274	#24-5436	#25-5304	#26-5421	#27-5636	#28-5404	#29-5289	#30-5632
#31-5586	#32-5584	#33-5681	#34-5525	#35-5349	#36-5253	#37-5271	#38-5628	#39-5287	#40-5627
#41-5521	#42-5679	#43-5267	#44-5640	#45-5336	#46-5691	#47-5711	#48-5622	#49-5326	#50-5381
#51-5590	#52-5684	#53-5580	#54-5530	#55-5337	#56-5712	#57-5365	#58-5489	#59-5423	#60-5600
#61-5569	#62-5490	#63-5505	#64-5482	#65-5383	#66-5396	#67-5471	#68-5524	#69-5414	#70-5634
#71-5702	#72-5504	#73-5286	#74-5572	#75-5254	#76-5719	#77-5587	#78-5358	#79-5353	#80-5340
#81-5435	#82-5260	#83-5332	#84-5631	#85-5292	#86-5624	#87-5721	#88-5398	#89-5445	#90-5363
#91-5611	#92-5502	#93-5457	#94-5408	#95-5307	#96-5280	#97-5424	#98-5507	#99-5508	#100-5661

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