



REGULATORY COMPLIANCE TEST REPORT

FCC CFR 47 Part 15.407 & ISSED RSS-247 DFS Requirements

Report No.: MIKO114-U2 DFS Addendum Rev A

Company: Mikrotikls SIA

Model Name: RBD53iG-5HacD2HnD-US

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Model Name: RBD53iG-5HacD2HnD-US

To: FCC CFR 47 Part 15.407 & ISSED RSS-247 DFS Requirements

Test Report Serial No.: MIKO114-U2 DFS Rev A

This report supersedes: NONE

Applicant: Mikrotikls SIA
Brivibas gatve 214i
Riga, LV-1039
Latvia

Issue Date: 24th May 2021

Test Report Sections	Document Number
RF Report	☐ MIKO114-U2
DFS Addendum:	☒ MIKO114-U2 DFS Addendum

This Test Report is Issued Under the Authority of:

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



MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

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1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING ACCREDITATION

MiCOM Labs, Inc. is an accredited Electrical testing laboratory per the international standard ISO/IEC 17025:2017. 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			
Europe	European Commission	NB	EU MRA 2	A-0012 NB 2280
United Kingdom	Department for Business, Energy & Industrial Strategy (BEIS)	AB	UK MRA 2	AB 2280
Mexico	Instituto Federal de Telecomunicaciones (IFT)	CAB	Mexico MRA 1	US0159
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	US0159
Hong Kong	Office of the Telecommunication Authority (OFTA)			
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)			
Singapore	Infocomm Development Authority (IDA)			
Taiwan	National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI)			
Vietnam	Ministry of Communication (MIC)			

TCB – Telecommunications Certification Bodies (TCB)

FCB – Foreign Certification Body

CAB – Conformity Assessment Body

NB – Notified Body

AB – Approved Body

MRA – Mutual Recognition Agreement

MRA Phase I - recognition for product testing

Phase II – recognition for both product testing and certification

1.3. PRODUCT CERTIFICATION

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



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

2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	7th May 2021	Draft report for client review.
Rev A	24 th May 2021	Initial release.
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In the above table the latest report revision will replace all earlier versions.

3. TEST RESULT CERTIFICATE

Manufacturer: Mikrotiks SIA Brivibas gatve 214i Riga LV-1039 Latvia	Tested By: MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Model: RBD53iG-5HacD2HnD-US	Telephone: +1 925 462 0304 Fax: +1 925 462 0306
Type Of Equipment: Wireless Access Point	
S/N's: E7290DF6447A	
Test Date(s): 14 - 19 April 2021	Website: www.micomlabs.com

STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15.407 & ISSED RSS-247 DFS Requirements	EQUIPMENT COMPLIES

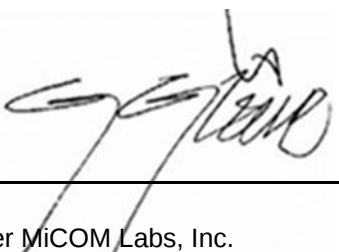
MiCOM Labs, Inc. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Notes:

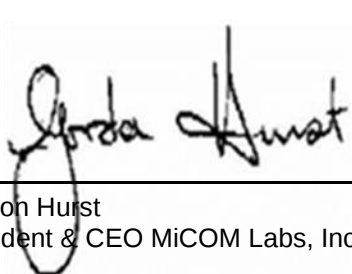
1. This document reports conditions under which testing was conducted and the results of testing performed.
2. Details of test methods used have been recorded and kept on file by the laboratory.
3. Test results apply only to the item(s) tested.

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

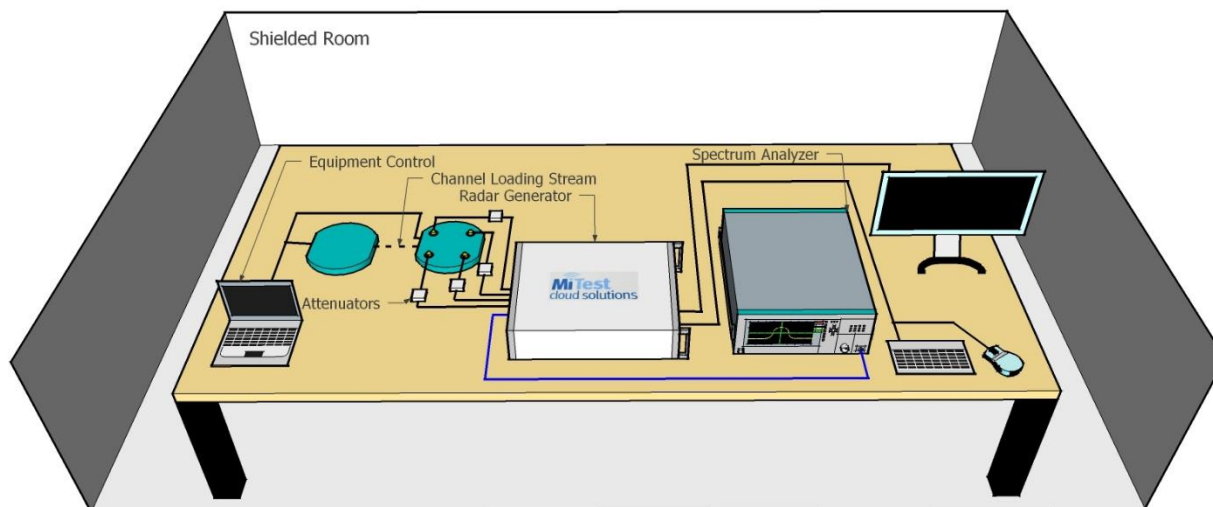
4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	KDB 662911 D01 & D02	Oct 31 2013	Guidance for measurement of output emission of devices that employ single transmitter with multiple outputs or systems with multiple transmitters operating simultaneously in the same frequency band
II	KDB 905462 D07 v02	22nd August 2016	Test guidance to demonstrate compliance for U-NII devices subject to DFS requirements.
III	KDB 926956 D01 v02	22nd August 2016	U-NII Device Transition Plan
IV	A2LA	5th October 2020	R105 - Requirement's When Making Reference to A2LA Accreditation Status
V	ANSI C63.10	2013	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	CISPR 32	2015	Electromagnetic compatibility of multimedia equipment - Emission requirements
VIII	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
IX	FCC 06-96	Jun 30 2006	Memorandum Opinion and Order
X	FCC 47 CFR Part 15.407	2020	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
XI	ICES-003	Issue 7 ; October 15,2020	Information Technology Equipment (Including Digital Apparatus) – Limits and methods of measurement.
XII	M 3003	Edition 3 Nov.2012	Expression of Uncertainty and Confidence in Measurements
XIII	RSS-247 Issue 2	Feb 2017	Digital Transmission Systems (DTSSs), Frequency Hopping System (FHSs) and Licence-Exempt Local Area Network (LE-LEN) Devices
XIV	RSS-Gen Issue 5	2018	General Requirements for Compliance of Radio Apparatus. With Amendments 1: March 2019 and 2: Feb 2021.
XV	FCC 47 CFR Part 2.1033	2020	FCC requirements and rules regarding photographs and test setup diagrams.
XVI	KDB 905462 D02 v02	April 8 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.
XVII	KDB 789033 D02 V02r01	14th December, 2017	Guidelines For Compliance Testing Of Unlicensed National Information Infrastructure (U-NII) Devices Part 15, Subpart E

5. TEST EQUIPMENT CONFIGURATION(S)

5.1. Dynamic Frequency Selection (DFS)

Dynamic Frequency Selection (DFS) - Conducted



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

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
299	Test Software DFS Test System	Aeroflex	DFS test Software	V2.8	Not Required
359	DFS System	Aeroflex	PXI-1042	300001/004	6 Sep 2021
417	Laptop for DFS with DFS software	Lenova	W520	DFS	Not Required
418	PCI-e interface card	National Instruments	Express 8360	174AAC5	Not Required
422	Splitter/Combiner	Pasternack	PE 2031	001	Cal when used
495	RF Power Divider	Micon Precise Corp	91002	495	Cal when used
504	MiTest Cloud Solutions RF Test Box	MiCOM	2nd Gen	504	5 Sep 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 PCIe#1	PCIe cable for Aeroflex	National	PCIe cable	None	Not Required

		Instruments			
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

6. 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)

7. TEST METHODOLOGY

7.1. 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.

The operational behavior and individual DFS requirements associated with these modes are as follows:

7.1.1. 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.

7.1.2. Client Devices

- a) A Client Device will not transmit before having received appropriate control signals from a Master Device.
- b) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.
- c) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1 apply.
- d) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.
- e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shutdown (rather than moving channels), no beacons should appear.

7.2. DFS Detection Thresholds

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

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

Maximum Transmit Power	Value (see Notes 1, 2 and 3)
EIRP $\geq$ 200 milliwatts	-64 dBm
EIRP $>$ 200 milliwatts and power density <10 dBm/MHz	-62 dBm
EIRP $>$ 200 milliwatts 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.

7.3. 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.

7.4. 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.

7.4.1. 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	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	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.

7.4.2. Long Radar Pulse Test

Long Pulse Radar Test Waveforms

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

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

Each waveform is defined as follows:

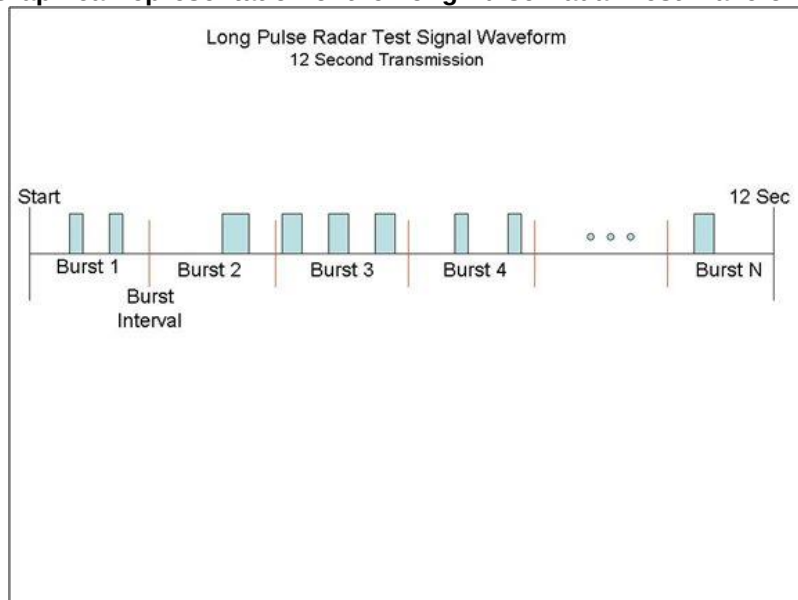
1. The transmission period for the Long Pulse Radar test signal is 12 seconds.
2. There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
3. Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly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

A representative example of a Long Pulse radar test waveform:

1. The total test signal length is 12 seconds.
2. 8 Bursts are randomly generated for the Burst_Count

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

Graphical representation of the Long Pulse Radar Test Waveform.



7.4.3. 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.

7.5. 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).

7.6. Test Program Details

EUT Type: Master with radar detection

Frequency band(s): 5,250 - 5,350 MHz and 5,470 – 5,725 MHz

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.

Antenna Gain used for Testing: 5.5 dBi

Number of Antenna Chains: 2

Test Communication Throughput Methodology

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.

Test Environmental Conditions - Ambient:

Temperature: 17 to 23 °C

Relative humidity: 31 to 57%

Pressure: 999 to 1012 mbar

8. TEST RESULTS

8.1. Dynamic Frequency Selection (DFS)

Test Conditions for Dynamic Frequency Selection (DFS)			
Standard:	FCC 15.407	Ambient Temp. (°C):	20.0 - 24.5
Test Heading:	Dynamic Frequency Selection (DFS)	Rel. Humidity (%):	32 - 45
Standard Section(s):	KDB 905462	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:	2.0 dBi
Detection Threshold:	-64 dBm	Test Radar Level: (Threshold + Gain)	-62 dBm
Number of Antenna Chains:	4	Duty Cycle Target:	≥ 17.00%
Transmit Power:	+23 dBm	Minimum Data Rate:	6 Mbit/s / MCS0 / 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

- 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.
- 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.
- 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.
- 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).
- 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.
- Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period.
- 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.

8.1.1. Channel Availability Check

8.1.1.1. 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.

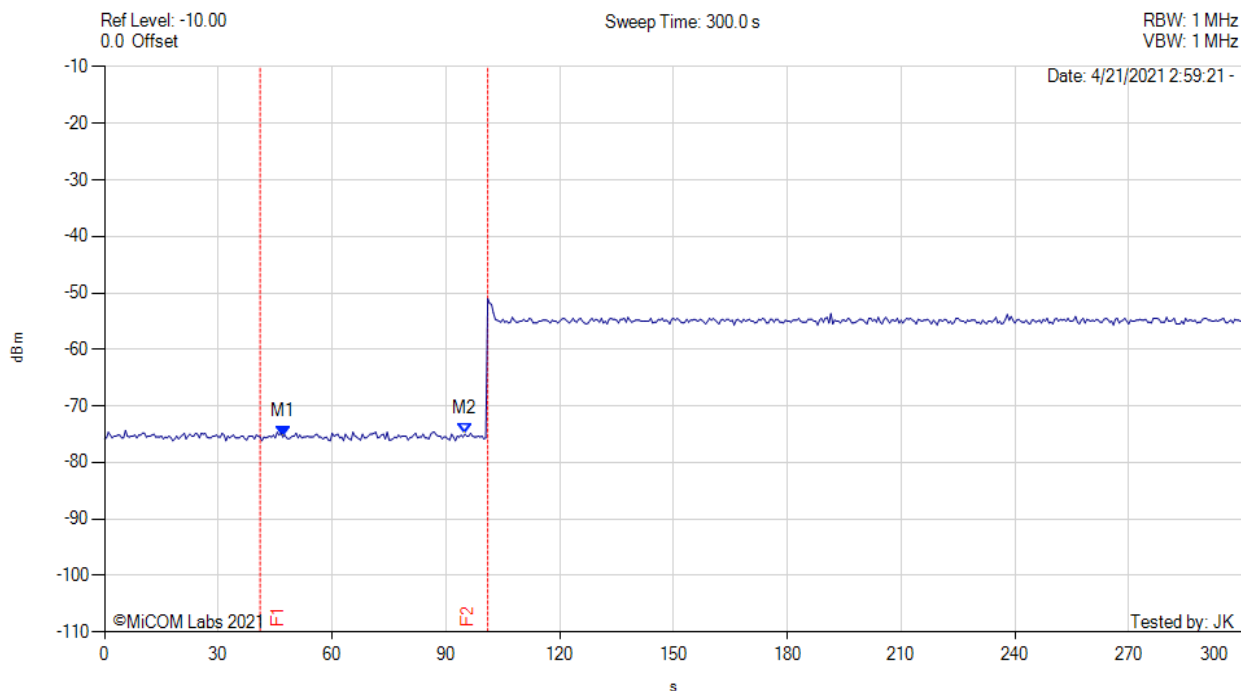
The first red vertical line shown on the following plot denotes the instant when the EUT completes its power-up sequence i.e. T0 (as defined within the FCC's KDB 905462 D02 Section 4.1). The power-up reference T0 is determined by the time it takes for the EUT to start "beaconing" i.e. initial beacon - 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: 5.50 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 47.000 s : -75.500 dBm M2(5500.00 MHz) : 95.000 s : -75.000 dBm	Channel Frequency: 5530.00 MHz

8.1.1.2. 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).

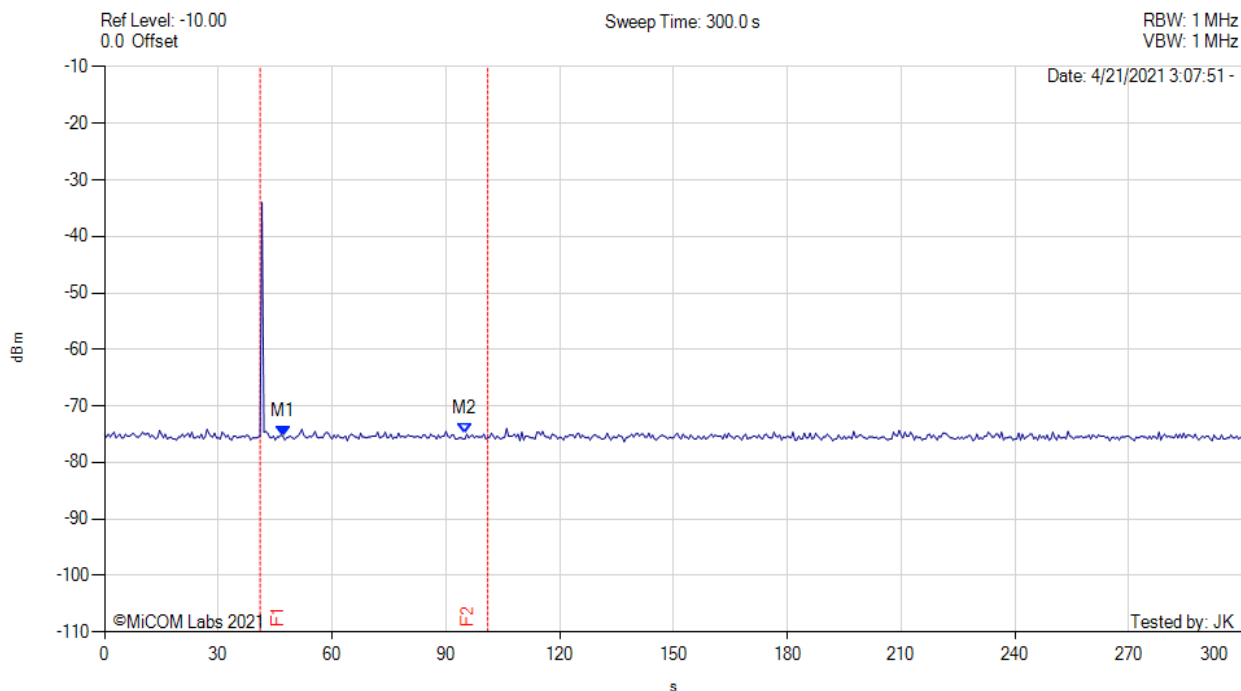
Visual indication on the EUT of successful detection of the radar Burst is recorded and reported. Observation of emissions at the appropriate center frequency will continue for 2.5 minutes after the radar burst has been generated.

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: 5.50 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 47.000 s : -75.500 dBm M2(5500.00 MHz) : 95.000 s : -75.000 dBm	Channel Frequency: 5530.00 MHz

8.1.1.3. 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.

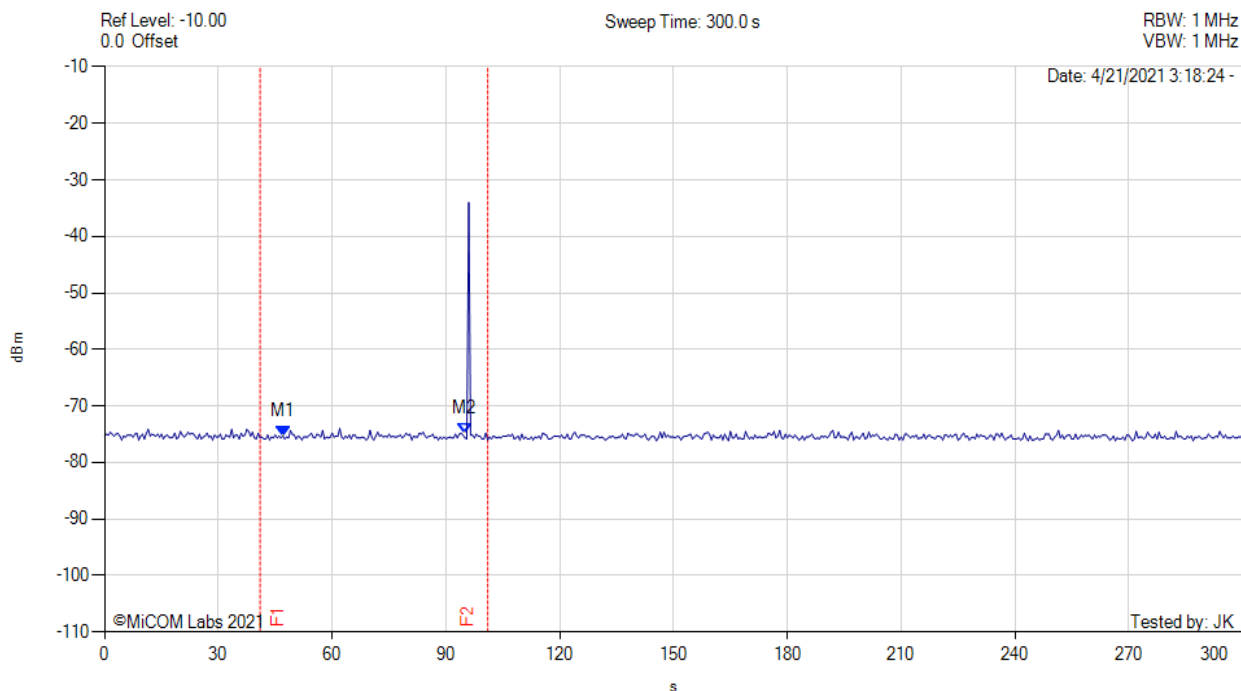
A single Burst of short pulse of radar Type 1 will commence within a 6 second window starting at $T_0 + 54$ seconds. The window will commence at marker 3 and end at the red time line T_2 ($T_0 + 60$ secs)

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

END CAC



Variant: 802.11ac-80, Channel: 5530.00 MHz, Data Rate: MCS0, Duty Cycle : 0.10%, Antenna Gain: 5.50 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 47.000 s : -75.500 dBm M2(5500.00 MHz) : 95.000 s : -75.000 dBm	Channel Frequency: 5530.00 MHz

8.1.2. 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).

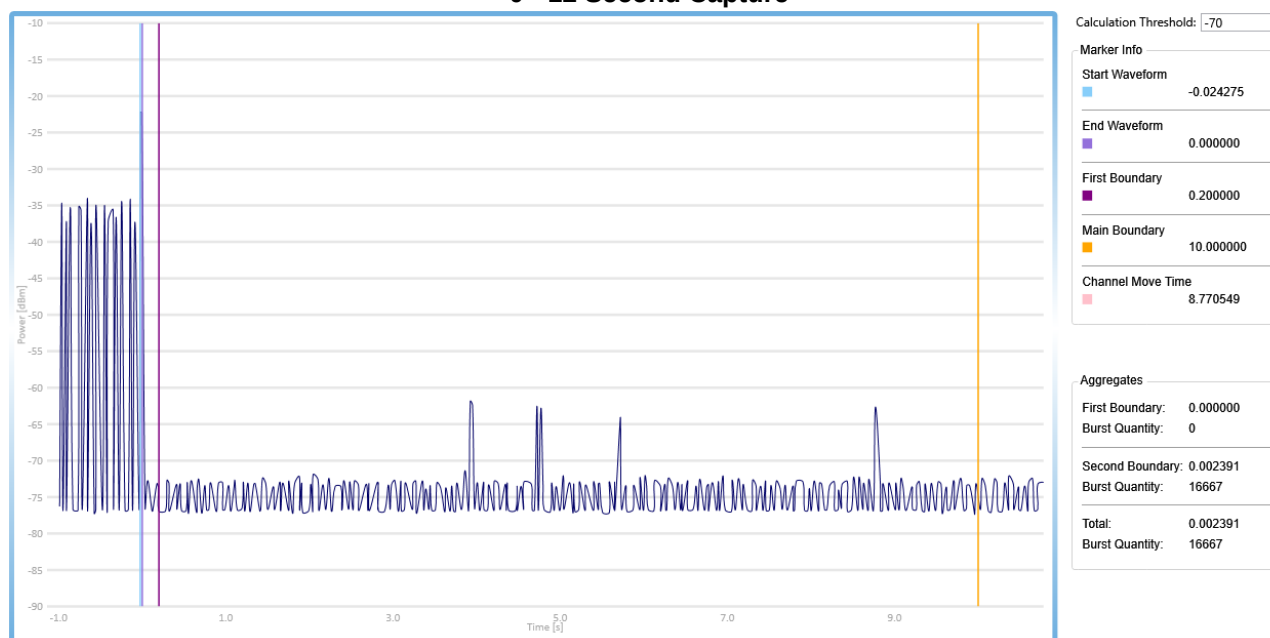
The system captured data over a 12 second period at 10 points per microsecond. The data is analyzed by counting all "bursts" that occur above the threshold limit and aggregating the time each burst is on. The data is then compressed for presentation in one 12 second segment showing all of the activity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

80 MHz Channel 5530 MHz; Observed Frequency 5530 MHz

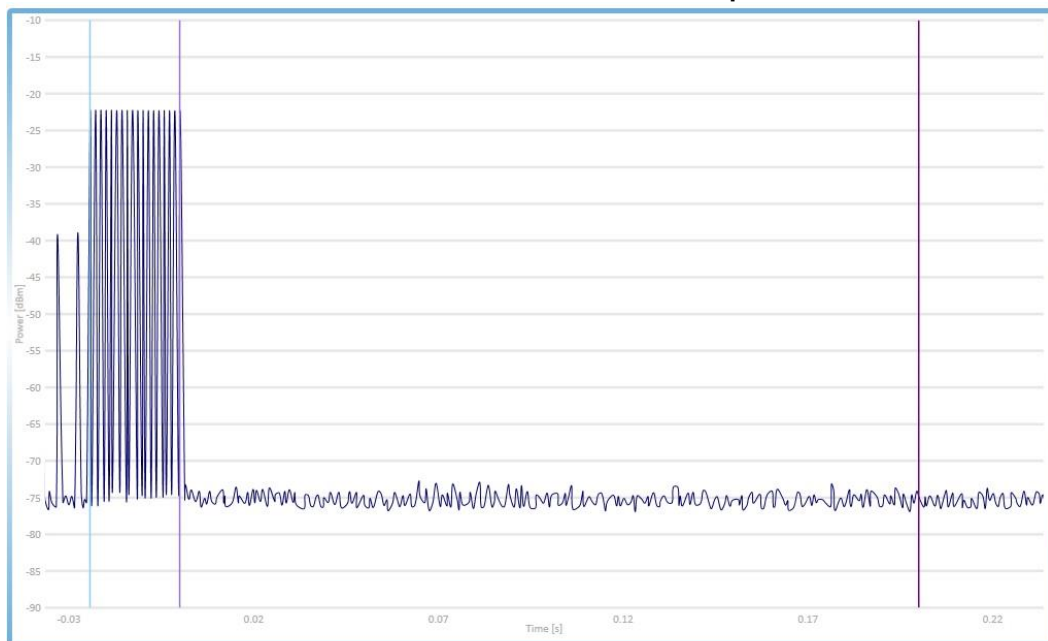
The system measures and aggregates the pulses occurring after the end of the radar pulse to determine the following parameters:

Test Heading	Time (Secs)	Limit (Secs)	Status
Channel Closing Transmission Time	0.002391	0.260	Complies
Channel Move Time	8.77055	10.0	Complies

Channel Move Time 0 - 12 Second Capture



Channel Closing Time 0 – 0.2 Second Capture



Calculation Threshold: -70

Marker Info

Start Waveform	-0.024275
End Waveform	0.000000
First Boundary	0.200000
Main Boundary	10.000000
Channel Move Time	8.770549

Aggregates

First Boundary:	0.000000
Burst Quantity:	0
Second Boundary:	0.002391
Burst Quantity:	16667
Total:	0.002391
Burst Quantity:	16667



Capture

Save

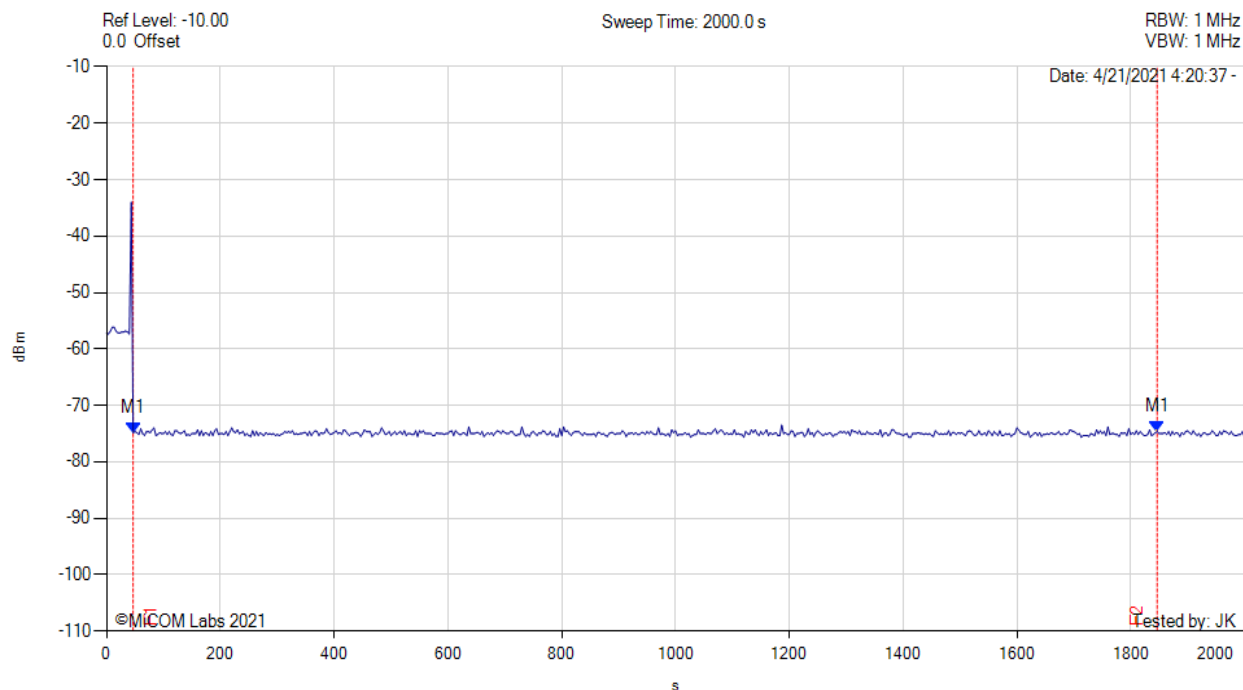
8.1.3. Non-Occupancy Period

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 : 20.00%, Antenna Gain: 5.50 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1(5500.00 MHz) : 46.667 s : -74.830 dBm M1(5500.00 MHz) : 1846.667 s : -74.660 dBm	Channel Frequency: 5530.00 MHz

8.1.4. Probability of Detection

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

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

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

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

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

Example - Calculation of Aggregate Percentage

Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections
1	35	29	82.9%
2	30	18	60.0%
3	30	27	90.0%
4	30	44	88.0%
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	30	100.00%	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	27	90.00%	Complies	View Data
Aggregate (100.00% + 100.00% + 86.67% + 90.00%) / 4 = 94.17%				Complies	--
Radar Type 5	30	30	100.00%	Complies	View Data
Radar Type 6	30	27	90.00%	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	27	90.00%	Complies	View Data
Radar Type 2	30	29	96.67%	Complies	View Data
Radar Type 3	30	26	86.67%	Complies	View Data
Radar Type 4	30	25	83.33%	Complies	View Data
Aggregate (90.00% + 96.67% + 86.67% + 83.33%) / 4 = 89.17%				Complies	--
Radar Type 5	30	30	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	30	100.00%	Complies	View Data
Radar Type 2	30	30	100.00%	Complies	View Data
Radar Type 3	30	30	100.00%	Complies	View Data
Radar Type 4	30	29	96.67%	Complies	View Data
Aggregate (100.00% + 100.00% + 100.00% + 96.67%) / 4 = 99.17%				Complies	--
Radar Type 5	30	30	100.00%	Complies	View Data
Radar Type 6	30	28	93.33%	Complies	View Data

Equipment Configuration for Radar Type 1

Variant:	802.11a	Duty Cycle (%):	18.00
Data Rate:	6 Mbit/s	Antenna Gain (dBi):	5.50
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
5498	1	878	61	1	1	100.00	Detected
5504	1	918	58	1	1	100.00	Detected
5508	1	558	95	1	1	100.00	Detected
5501	1	798	67	1	1	100.00	Detected
5498	1	858	62	1	1	100.00	Detected
5506	1	698	76	1	1	100.00	Detected
5495	1	818	65	1	1	100.00	Detected
5499	1	598	89	1	1	100.00	Detected
5497	1	538	99	1	1	100.00	Detected
5496	1	758	70	1	1	100.00	Detected
5506	1	618	86	1	1	100.00	Detected
5500	1	898	59	1	1	100.00	Detected
5501	1	678	78	1	1	100.00	Detected
5507	1	718	74	1	1	100.00	Detected
5497	1	838	63	1	1	100.00	Detected
5500	1	638	83	1	1	100.00	Detected
5497	1	2576	21	1	1	100.00	Detected
5500	1	2757	20	1	1	100.00	Detected
5498	1	591	90	1	1	100.00	Detected
5505	1	1311	41	1	1	100.00	Detected
5507	1	1804	30	1	1	100.00	Detected
5492	1	1026	52	1	1	100.00	Detected
5498	1	2266	24	1	1	100.00	Detected
5501	1	2615	21	1	1	100.00	Detected
5492	1	2033	26	1	1	100.00	Detected
5496	1	3013	18	1	1	100.00	Detected
5508	1	881	60	1	1	100.00	Detected
5506	1	1177	45	1	1	100.00	Detected
5497	1	2990	18	1	1	100.00	Detected
5496	1	2209	24	1	1	100.00	Detected
Aggregate:				30	30	100.00	Pass

Equipment Configuration for Radar Type 2

Variant:	802.11a	Duty Cycle (%):	18.00
Data Rate:	6 Mbit/s	Antenna Gain (dBi):	5.50
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	1.4	174	28	1	1	100.00	Detected
5497	3.7	159	25	1	1	100.00	Detected
5495	3.2	212	25	1	1	100.00	Detected
5496	4.8	200	25	1	1	100.00	Detected
5493	2.1	182	29	1	1	100.00	Detected
5504	1.3	181	28	1	1	100.00	Detected
5498	3	166	24	1	1	100.00	Detected
5507	2	194	26	1	1	100.00	Detected
5504	1.4	162	28	1	1	100.00	Detected
5495	2.2	222	27	1	1	100.00	Detected
5501	1.7	200	26	1	1	100.00	Detected
5505	4.8	208	23	1	1	100.00	Detected
5500	3	166	23	1	1	100.00	Detected
5501	2.6	223	23	1	1	100.00	Detected
5504	3.3	178	28	1	1	100.00	Detected
5499	4.8	187	29	1	1	100.00	Detected
5492	2.4	196	24	1	1	100.00	Detected
5505	4.2	164	28	1	1	100.00	Detected
5498	3.9	176	27	1	1	100.00	Detected
5499	4.6	224	26	1	1	100.00	Detected
5505	1.6	203	26	1	1	100.00	Detected
5492	3	219	25	1	1	100.00	Detected
5495	1.3	158	27	1	1	100.00	Detected
5508	1.3	167	27	1	1	100.00	Detected
5504	3.7	189	26	1	1	100.00	Detected
5498	3.3	169	27	1	1	100.00	Detected
5497	2.8	202	29	1	1	100.00	Detected
5493	2.3	201	28	1	1	100.00	Detected
5503	4.6	152	25	1	1	100.00	Detected
5496	1.1	222	26	1	1	100.00	Detected
Aggregate:				30	30	100.00	Pass

Equipment Configuration for Radar Type 3

Variant:	802.11a	Duty Cycle (%):	18.00
Data Rate:	6 Mbit/s	Antenna Gain (dBi):	5.50
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	6.9	486	18	1	1	100.00	Detected
5504	8.2	445	16	1	1	100.00	Detected
5500	8.8	460	18	1	1	100.00	Detected
5499	7.8	226	16	1	0	0.00	Not Detected
5507	9.8	235	17	1	0	0.00	Not Detected
5506	10	286	18	1	1	100.00	Detected
5499	7.2	497	16	1	1	100.00	Detected
5492	9.6	304	18	1	1	100.00	Detected
5505	10	498	16	1	1	100.00	Detected
5502	8	498	18	1	1	100.00	Detected
5502	7.3	309	17	1	1	100.00	Detected
5499	9.5	317	16	1	1	100.00	Detected
5505	9.3	317	16	1	1	100.00	Detected
5507	7.2	387	17	1	1	100.00	Detected
5507	6.3	293	17	1	1	100.00	Detected
5501	9.1	282	17	1	1	100.00	Detected
5498	6.7	494	17	1	1	100.00	Detected
5499	9.8	380	17	1	1	100.00	Detected
5508	7.3	495	17	1	1	100.00	Detected
5502	9.7	324	17	1	1	100.00	Detected
5507	9.1	269	16	1	1	100.00	Detected
5500	6.1	439	17	1	1	100.00	Detected
5498	8	260	17	1	1	100.00	Detected
5495	8.3	269	18	1	1	100.00	Detected
5492	9.1	496	16	1	1	100.00	Detected
5507	9.8	428	18	1	1	100.00	Detected
5495	9.9	303	17	1	1	100.00	Detected
5497	6.3	457	16	1	0	0.00	Not Detected
5503	9.1	356	18	1	0	0.00	Not Detected
5501	6.2	222	16	1	1	100.00	Detected
Aggregate:				30	26	86.67	Pass

Equipment Configuration for Radar Type 4

Variant:	802.11a	Duty Cycle (%):	18.00
Data Rate:	6 Mbit/s	Antenna Gain (dBi):	5.50
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
5498	15.3	217	16	1	0	0.00	Not Detected
5504	11.6	263	13	1	1	100.00	Detected
5493	12.2	347	16	1	1	100.00	Detected
5508	12.1	394	16	1	1	100.00	Detected
5492	14.3	499	14	1	1	100.00	Detected
5503	13.1	256	13	1	1	100.00	Detected
5502	12.8	461	14	1	1	100.00	Detected
5492	15.1	293	16	1	1	100.00	Detected
5503	16.9	477	14	1	1	100.00	Detected
5507	18.3	234	12	1	1	100.00	Detected
5505	19.5	338	12	1	0	0.00	Not Detected
5502	19.9	215	14	1	1	100.00	Detected
5494	16.2	426	12	1	1	100.00	Detected
5493	15.9	393	12	1	1	100.00	Detected
5496	18	290	14	1	1	100.00	Detected
5495	18	304	15	1	1	100.00	Detected
5505	15.4	250	13	1	1	100.00	Detected
5495	13.1	211	13	1	1	100.00	Detected
5496	18.5	429	15	1	1	100.00	Detected
5505	11.1	407	15	1	1	100.00	Detected
5494	13.9	294	14	1	1	100.00	Detected
5503	12.2	480	12	1	1	100.00	Detected
5492	18	237	12	1	1	100.00	Detected
5500	16.1	491	16	1	1	100.00	Detected
5502	18.3	309	12	1	1	100.00	Detected
5505	17.8	306	16	1	1	100.00	Detected
5501	15.9	477	13	1	1	100.00	Detected
5505	19.1	311	13	1	0	0.00	Not Detected
5493	16.8	320	16	1	1	100.00	Detected
5499	18.9	483	15	1	1	100.00	Detected
Aggregate:				30	27	90.00	Pass

Equipment Configuration for Radar Type 5

Variant:	802.11a	Duty Cycle (%):	18.00
Data Rate:	6 Mbit/s	Antenna Gain (dBi):	5.50
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 5501	1	1	100.00	Detected
Type 5 #2 5494	1	1	100.00	Detected
Type 5 #3 5500	1	1	100.00	Detected
Type 5 #4 5496	1	1	100.00	Detected
Type 5 #5 5497	1	1	100.00	Detected
Type 5 #6 5498	1	1	100.00	Detected
Type 5 #7 5494	1	1	100.00	Detected
Type 5 #8 5503	1	1	100.00	Detected
Type 5 #9 5501	1	1	100.00	Detected
Type 5 #10 5502	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 5500	1	1	100.00	Detected
Type 5 #15 5500	1	1	100.00	Detected
Type 5 #16 5500	1	1	100.00	Detected
Type 5 #17 5498	1	1	100.00	Detected
Type 5 #18 5496	1	1	100.00	Detected
Type 5 #19 5495	1	1	100.00	Detected
Type 5 #20 5502	1	1	100.00	Detected
Type 5 #21 5494	1	1	100.00	Detected
Type 5 #22 5494	1	1	100.00	Detected
Type 5 #23 5504	1	1	100.00	Detected
Type 5 #24 5500	1	1	100.00	Detected
Type 5 #25 5500	1	1	100.00	Detected
Type 5 #26 5500	1	1	100.00	Detected
Type 5 #27 5505	1	1	100.00	Detected
Type 5 #28 5502	1	1	100.00	Detected
Type 5 #29 5500	1	1	100.00	Detected
Type 5 #30 5500	1	1	100.00	Detected
Aggregate:	30	30	100.00	Pass

Equipment Configuration for Radar Type 6

Variant:	802.11a	Duty Cycle (%):	18.00
Data Rate:	6 Mbit/s	Antenna Gain (dBi):	5.50
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	Pass/Fail
Type 6 #1	1	1	100	Detected
Type 6 #2	1	1	100	Detected
Type 6 #3	1	1	100	Detected
Type 6 #4	1	1	100	Detected
Type 6 #5	1	1	100	Detected
Type 6 #6	1	1	100	Detected
Type 6 #7	1	1	100	Detected
Type 6 #8	1	1	100	Detected
Type 6 #9	1	1	100	Detected
Type 6 #10	1	1	100	Detected
Type 6 #11	1	1	100	Detected
Type 6 #12	1	1	100	Detected
Type 6 #13	1	1	100	Detected
Type 6 #14	1	1	100	Detected
Type 6 #15	1	1	100	Detected
Type 6 #16	1	0	0	Not 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	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	1	100	Detected
Type 6 #30	1	1	100	Detected
Aggregate:	30	27	90.00	Pass

Equipment Configuration for Radar Type 1

Variant:	802.11ac-80	Duty Cycle (%):	20.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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
5560	1	698	76	1	1	100.00	Detected
5516	1	918	58	1	1	100.00	Detected
5565	1	938	57	1	1	100.00	Detected
5557	1	3066	18	1	1	100.00	Detected
5566	1	558	95	1	1	100.00	Detected
5537	1	898	59	1	1	100.00	Detected
5522	1	758	70	1	1	100.00	Detected
5497	1	538	99	1	1	100.00	Detected
5534	1	638	83	1	1	100.00	Detected
5546	1	658	81	1	0	0.00	Not Detected
5502	1	798	67	1	1	100.00	Detected
5540	1	718	74	1	1	100.00	Detected
5551	1	778	68	1	1	100.00	Detected
5505	1	678	78	1	1	100.00	Detected
5527	1	878	61	1	1	100.00	Detected
5551	1	858	62	1	1	100.00	Detected
5552	1	1523	35	1	1	100.00	Detected
5544	1	2963	18	1	1	100.00	Detected
5535	1	535	99	1	0	0.00	Not Detected
5509	1	1957	27	1	1	100.00	Detected
5496	1	1520	35	1	1	100.00	Detected
5519	1	2848	19	1	1	100.00	Detected
5540	1	1966	27	1	1	100.00	Detected
5513	1	2821	19	1	1	100.00	Detected
5511	1	709	75	1	1	100.00	Detected
5543	1	1675	32	1	1	100.00	Detected
5543	1	2327	23	1	0	0.00	Not Detected
5555	1	1104	48	1	1	100.00	Detected
5551	1	2758	20	1	1	100.00	Detected
5502	1	1632	33	1	1	100.00	Detected
Aggregate:				30	27	90.00	Pass

Equipment Configuration for Radar Type 2

Variant:	802.11ac-80	Duty Cycle (%):	20.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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
5549	3.1	190	23	1	1	100.00	Detected
5515	3.5	163	23	1	1	100.00	Detected
5561	1.4	187	26	1	1	100.00	Detected
5568	1.6	163	28	1	1	100.00	Detected
5515	3.8	215	24	1	1	100.00	Detected
5509	2.1	157	25	1	1	100.00	Detected
5511	2.3	173	23	1	1	100.00	Detected
5535	2.8	165	27	1	0	0.00	Not Detected
5559	4.2	216	26	1	1	100.00	Detected
5560	2.2	199	29	1	1	100.00	Detected
5522	2.1	230	24	1	1	100.00	Detected
5539	1.5	186	26	1	1	100.00	Detected
5533	1.3	225	23	1	1	100.00	Detected
5497	4.7	166	26	1	1	100.00	Detected
5524	1.4	215	29	1	1	100.00	Detected
5518	1.4	185	26	1	1	100.00	Detected
5562	4.1	204	24	1	1	100.00	Detected
5517	3.5	219	29	1	1	100.00	Detected
5499	4.2	215	29	1	1	100.00	Detected
5512	4.8	212	23	1	1	100.00	Detected
5558	4.1	193	26	1	1	100.00	Detected
5532	1.5	200	29	1	1	100.00	Detected
5537	2.4	160	28	1	1	100.00	Detected
5529	3.5	202	25	1	1	100.00	Detected
5556	3.2	168	28	1	1	100.00	Detected
5527	2	166	29	1	1	100.00	Detected
5509	4.7	228	24	1	1	100.00	Detected
5501	2	166	26	1	1	100.00	Detected
5517	3.7	159	27	1	1	100.00	Detected
5535	4.8	225	28	1	1	100.00	Detected
Aggregate:				30	29	96.67	Pass

Equipment Configuration for Radar Type 3

Variant:	802.11ac-80	Duty Cycle (%):	20.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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
5503	8.9	385	18	1	1	100.00	Detected
5530	6.3	351	17	1	1	100.00	Detected
5504	8	236	18	1	1	100.00	Detected
5546	9.7	399	17	1	0	0.00	Not Detected
5535	8.5	280	17	1	0	0.00	Not Detected
5504	7.4	445	17	1	1	100.00	Detected
5502	8.6	335	18	1	1	100.00	Detected
5532	6.3	420	18	1	1	100.00	Detected
5539	7.7	407	18	1	1	100.00	Detected
5540	6.9	325	16	1	1	100.00	Detected
5524	8	229	17	1	1	100.00	Detected
5501	7.9	431	17	1	1	100.00	Detected
5493	8	204	18	1	1	100.00	Detected
5544	7.4	389	18	1	0	0.00	Not Detected
5561	7.1	453	18	1	1	100.00	Detected
5539	8.8	482	16	1	1	100.00	Detected
5551	6.9	234	16	1	1	100.00	Detected
5510	9.7	495	17	1	1	100.00	Detected
5507	6.5	249	17	1	1	100.00	Detected
5511	6.8	266	17	1	1	100.00	Detected
5558	6.2	435	16	1	1	100.00	Detected
5496	9.1	264	16	1	1	100.00	Detected
5554	9.6	449	17	1	1	100.00	Detected
5520	8.2	361	18	1	1	100.00	Detected
5535	6	457	18	1	0	0.00	Not Detected
5520	8	248	16	1	1	100.00	Detected
5531	8.7	426	17	1	1	100.00	Detected
5505	9.9	361	18	1	1	100.00	Detected
5496	6.7	497	17	1	1	100.00	Detected
5562	9.6	212	18	1	1	100.00	Detected
Aggregate:				30	26	86.67	Pass

Equipment Configuration for Radar Type 4

Variant:	802.11ac-80	Duty Cycle (%):	20.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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
5493	18.6	341	13	1	1	100.00	Detected
5499	16.6	493	15	1	1	100.00	Detected
5536	14.9	227	13	1	0	0.00	Not Detected
5517	13.9	288	13	1	1	100.00	Detected
5560	17.1	354	13	1	1	100.00	Detected
5494	16.8	228	16	1	1	100.00	Detected
5519	12	292	12	1	1	100.00	Detected
5535	19.7	444	15	1	0	0.00	Not Detected
5565	18.8	463	14	1	1	100.00	Detected
5493	18.4	200	16	1	1	100.00	Detected
5544	12	497	15	1	0	0.00	Not Detected
5559	13.5	315	15	1	1	100.00	Detected
5560	16.5	406	13	1	1	100.00	Detected
5522	16.9	486	13	1	1	100.00	Detected
5549	16.7	496	16	1	1	100.00	Detected
5516	18	222	15	1	1	100.00	Detected
5539	14.9	288	14	1	1	100.00	Detected
5526	18	307	12	1	1	100.00	Detected
5544	16.6	411	16	1	0	0.00	Not Detected
5542	14.2	490	12	1	1	100.00	Detected
5547	16.2	291	16	1	1	100.00	Detected
5513	16.2	278	13	1	1	100.00	Detected
5562	15.6	432	13	1	1	100.00	Detected
5556	11.1	374	16	1	1	100.00	Detected
5494	14.4	236	14	1	1	100.00	Detected
5567	19.3	282	12	1	0	0.00	Not Detected
5511	16.6	367	15	1	1	100.00	Detected
5565	11.3	412	13	1	1	100.00	Detected
5543	19.2	279	15	1	1	100.00	Detected
5528	12	299	12	1	1	100.00	Detected
Aggregate:				30	25	83.33	Pass

Equipment Configuration for Radar Type 5

Variant:	802.11ac-80	Duty Cycle (%):	20.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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 5530	1	1	100.00	Detected
Type 5 #2 5499	1	1	100.00	Detected
Type 5 #3 5530	1	1	100.00	Detected
Type 5 #4 5530	1	1	100.00	Detected
Type 5 #5 5530	1	1	100.00	Detected
Type 5 #6 5496	1	1	100.00	Detected
Type 5 #7 5530	1	1	100.00	Detected
Type 5 #8 5564	1	1	100.00	Detected
Type 5 #9 5562	1	1	100.00	Detected
Type 5 #10 5497	1	1	100.00	Detected
Type 5 #11 5500	1	1	100.00	Detected
Type 5 #12 5530	1	1	100.00	Detected
Type 5 #13 5530	1	1	100.00	Detected
Type 5 #14 5564	1	1	100.00	Detected
Type 5 #15 5530	1	1	100.00	Detected
Type 5 #16 5566	1	1	100.00	Detected
Type 5 #17 5499	1	1	100.00	Detected
Type 5 #18 5495	1	1	100.00	Detected
Type 5 #19 5498	1	1	100.00	Detected
Type 5 #20 5496	1	1	100.00	Detected
Type 5 #21 5499	1	1	100.00	Detected
Type 5 #22 5530	1	1	100.00	Detected
Type 5 #23 5498	1	1	100.00	Detected
Type 5 #24 5530	1	1	100.00	Detected
Type 5 #25 5564	1	1	100.00	Detected
Type 5 #26 5563	1	1	100.00	Detected
Type 5 #27 5561	1	1	100.00	Detected
Type 5 #28 5564	1	1	100.00	Detected
Type 5 #29 5560	1	1	100.00	Detected
Type 5 #30 5564	1	1	100.00	Detected
Aggregate:	30	30	100.00	Pass

Equipment Configuration for Radar Type 6

Variant:	802.11ac-80	Duty Cycle (%):	20.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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	Pass/Fail
Type 6 #1	1	1	100	Detected
Type 6 #2	1	1	100	Detected
Type 6 #3	1	1	100	Detected
Type 6 #4	1	1	100	Detected
Type 6 #5	1	1	100	Detected
Type 6 #6	1	1	100	Detected
Type 6 #7	1	1	100	Detected
Type 6 #8	1	1	100	Detected
Type 6 #9	1	1	100	Detected
Type 6 #10	1	1	100	Detected
Type 6 #11	1	1	100	Detected
Type 6 #12	1	1	100	Detected
Type 6 #13	1	1	100	Detected
Type 6 #14	1	1	100	Detected
Type 6 #15	1	1	100	Detected
Type 6 #16	1	1	100	Detected
Type 6 #17	1	1	100	Detected
Type 6 #18	1	1	100	Detected
Type 6 #19	1	1	100	Detected
Type 6 #20	1	1	100	Detected
Type 6 #21	1	1	100	Detected
Type 6 #22	1	1	100	Detected
Type 6 #23	1	1	100	Detected
Type 6 #24	1	1	100	Detected
Type 6 #25	1	1	100	Detected
Type 6 #26	1	1	100	Detected
Type 6 #27	1	0	0	Not 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

Equipment Configuration for Radar Type 1

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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
5510	1	878	61	1	1	100.00	Detected
5505	1	3066	18	1	1	100.00	Detected
5523	1	938	57	1	1	100.00	Detected
5524	1	558	95	1	1	100.00	Detected
5498	1	798	67	1	1	100.00	Detected
5521	1	698	76	1	1	100.00	Detected
5523	1	618	86	1	1	100.00	Detected
5511	1	918	58	1	1	100.00	Detected
5502	1	738	72	1	1	100.00	Detected
5525	1	578	92	1	1	100.00	Detected
5501	1	818	65	1	1	100.00	Detected
5508	1	658	81	1	1	100.00	Detected
5513	1	778	68	1	1	100.00	Detected
5497	1	638	83	1	1	100.00	Detected
5515	1	838	63	1	1	100.00	Detected
5521	1	718	74	1	1	100.00	Detected
5505	1	2602	21	1	1	100.00	Detected
5517	1	2958	18	1	1	100.00	Detected
5524	1	1749	31	1	1	100.00	Detected
5510	1	2861	19	1	1	100.00	Detected
5511	1	2011	27	1	1	100.00	Detected
5504	1	2249	24	1	1	100.00	Detected
5509	1	2613	21	1	1	100.00	Detected
5496	1	828	64	1	1	100.00	Detected
5499	1	2613	21	1	1	100.00	Detected
5497	1	529	100	1	1	100.00	Detected
5518	1	1029	52	1	1	100.00	Detected
5523	1	2517	21	1	1	100.00	Detected
5505	1	559	95	1	1	100.00	Detected
5507	1	945	56	1	1	100.00	Detected
Aggregate:				30	30	100.00	Pass

Equipment Configuration for Radar Type 2

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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
5522	3.4	188	26	1	1	100.00	Detected
5524	2.4	155	23	1	1	100.00	Detected
5512	3.2	158	28	1	1	100.00	Detected
5493	4.9	198	27	1	1	100.00	Detected
5506	4.1	221	28	1	1	100.00	Detected
5512	1.2	157	28	1	1	100.00	Detected
5513	4.1	208	24	1	1	100.00	Detected
5528	4.6	198	28	1	1	100.00	Detected
5494	2.3	157	29	1	1	100.00	Detected
5496	4.5	214	23	1	1	100.00	Detected
5519	1.3	195	27	1	1	100.00	Detected
5518	2.4	228	28	1	1	100.00	Detected
5514	1.7	181	27	1	1	100.00	Detected
5497	3.6	200	28	1	1	100.00	Detected
5510	3.7	220	23	1	1	100.00	Detected
5515	4.7	155	27	1	1	100.00	Detected
5527	2	209	27	1	1	100.00	Detected
5524	3.6	195	26	1	1	100.00	Detected
5528	4	150	26	1	1	100.00	Detected
5509	2.8	156	24	1	1	100.00	Detected
5522	4.9	195	28	1	1	100.00	Detected
5510	1.1	207	25	1	1	100.00	Detected
5518	2.2	185	26	1	1	100.00	Detected
5492	3.8	189	28	1	1	100.00	Detected
5492	4.6	206	26	1	1	100.00	Detected
5515	2	218	29	1	1	100.00	Detected
5514	4.5	198	25	1	1	100.00	Detected
5516	1.6	175	23	1	1	100.00	Detected
5513	3.6	173	27	1	1	100.00	Detected
5504	2	163	29	1	1	100.00	Detected
Aggregate:				30	30	100.00	Pass

Equipment Configuration for Radar Type 3

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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
5512	7.3	202	17	1	1	100.00	Detected
5500	6.4	349	16	1	1	100.00	Detected
5502	6.7	334	17	1	1	100.00	Detected
5519	8.5	378	17	1	1	100.00	Detected
5496	8.5	260	17	1	1	100.00	Detected
5507	7.3	425	17	1	1	100.00	Detected
5528	7.5	462	17	1	1	100.00	Detected
5506	9.3	345	18	1	1	100.00	Detected
5518	9.1	478	16	1	1	100.00	Detected
5501	7	415	17	1	1	100.00	Detected
5506	7.2	229	17	1	1	100.00	Detected
5518	8.9	296	18	1	1	100.00	Detected
5494	8.9	359	18	1	1	100.00	Detected
5494	8.2	354	16	1	1	100.00	Detected
5513	7.8	384	18	1	1	100.00	Detected
5500	6.6	468	17	1	1	100.00	Detected
5517	8.7	460	18	1	1	100.00	Detected
5517	7.2	294	18	1	1	100.00	Detected
5525	8.8	268	16	1	1	100.00	Detected
5500	7	455	16	1	1	100.00	Detected
5494	9.6	286	18	1	1	100.00	Detected
5502	9	412	16	1	1	100.00	Detected
5501	8.9	416	18	1	1	100.00	Detected
5515	9.5	278	16	1	1	100.00	Detected
5507	8.6	443	16	1	1	100.00	Detected
5523	7.4	280	18	1	1	100.00	Detected
5507	8.6	445	17	1	1	100.00	Detected
5503	7.6	490	16	1	1	100.00	Detected
5514	7.4	435	16	1	1	100.00	Detected
5523	6.9	247	18	1	1	100.00	Detected
Aggregate:				30	30	100.00	Pass

Equipment Configuration for Radar Type 4

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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
5528	17.2	416	16	1	1	100.00	Detected
5513	15.7	269	12	1	1	100.00	Detected
5508	19.8	406	14	1	1	100.00	Detected
5508	18.5	319	15	1	1	100.00	Detected
5515	15.7	276	15	1	0	0.00	Not Detected
5526	14.2	458	16	1	1	100.00	Detected
5519	14.6	255	13	1	1	100.00	Detected
5495	19.4	318	12	1	1	100.00	Detected
5510	19	210	12	1	1	100.00	Detected
5515	13.7	256	16	1	1	100.00	Detected
5507	18.1	474	13	1	1	100.00	Detected
5518	14.4	461	15	1	1	100.00	Detected
5527	11.6	405	13	1	1	100.00	Detected
5527	15.7	494	15	1	1	100.00	Detected
5522	18.9	265	12	1	1	100.00	Detected
5504	19.5	481	14	1	1	100.00	Detected
5513	15.4	231	14	1	1	100.00	Detected
5521	13	225	13	1	1	100.00	Detected
5504	14.3	263	12	1	1	100.00	Detected
5508	15.7	237	13	1	1	100.00	Detected
5511	14.7	298	12	1	1	100.00	Detected
5501	11.6	269	16	1	1	100.00	Detected
5525	14.7	303	15	1	1	100.00	Detected
5494	11.1	364	14	1	1	100.00	Detected
5523	14.6	426	13	1	1	100.00	Detected
5501	13.7	494	15	1	1	100.00	Detected
5528	14	500	15	1	1	100.00	Detected
5503	18.4	256	13	1	1	100.00	Detected
5519	18.5	393	16	1	1	100.00	Detected
5514	19.2	275	14	1	1	100.00	Detected
Aggregate:				30	29	96.67	Pass

Equipment Configuration for Radar Type 5

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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 5524	1	1	100.00	Detected
Type 5 #3 5526	1	1	100.00	Detected
Type 5 #4 5496	1	1	100.00	Detected
Type 5 #5 5498	1	1	100.00	Detected
Type 5 #6 5498	1	1	100.00	Detected
Type 5 #7 5495	1	1	100.00	Detected
Type 5 #8 5510	1	1	100.00	Detected
Type 5 #9 5521	1	1	100.00	Detected
Type 5 #10 5510	1	1	100.00	Detected
Type 5 #11 5523	1	1	100.00	Detected
Type 5 #12 5496	1	1	100.00	Detected
Type 5 #13 5500	1	1	100.00	Detected
Type 5 #14 5510	1	1	100.00	Detected
Type 5 #15 5523	1	1	100.00	Detected
Type 5 #16 5522	1	1	100.00	Detected
Type 5 #17 5500	1	1	100.00	Detected
Type 5 #18 5510	1	1	100.00	Detected
Type 5 #19 5521	1	1	100.00	Detected
Type 5 #20 5510	1	1	100.00	Detected
Type 5 #21 5523	1	1	100.00	Detected
Type 5 #22 5510	1	1	100.00	Detected
Type 5 #23 5496	1	1	100.00	Detected
Type 5 #24 5496	1	1	100.00	Detected
Type 5 #25 5497	1	1	100.00	Detected
Type 5 #26 5522	1	1	100.00	Detected
Type 5 #27 5510	1	1	100.00	Detected
Type 5 #28 5522	1	1	100.00	Detected
Type 5 #29 5510	1	1	100.00	Detected
Type 5 #30 5510	1	1	100.00	Detected
Aggregate:	30	30	100.00	Pass

Equipment Configuration for Radar Type 6

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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	Pass/Fail
Type 6 #1	1	1	100	Detected
Type 6 #2	1	1	100	Detected
Type 6 #3	1	1	100	Detected
Type 6 #4	1	1	100	Detected
Type 6 #5	1	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	0	0	Not Detected
Type 6 #30	1	1	100	Detected
Aggregate:	30	28	93.33	Pass

8.1.5. 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):	5.50
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

Equipment Configuration for Detection Bandwidth

Variant:	802.11ac-80	Duty Cycle (%):	0.10
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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	9	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

Equipment Configuration for Detection Bandwidth

Variant:	802.11n HT-40	Duty Cycle (%):	0.10
Data Rate:	MCS0	Antenna Gain (dBi):	5.50
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

A. APPENDIX – Radar Signatures

Type 5 #1 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	17	352076	61	1378	1762	501743	857142
2	2	17	273244	88	1828	0	581894	857142
3	1	17	501060	54	0	0	356028	857142
4	3	17	29107	97	1186	1170	825388	857142
5	1	17	636610	94	0	0	220438	857142
6	3	17	166912	53	1416	1385	687270	857142
7	2	17	647296	91	1151	0	208513	857142
8	2	17	262192	98	1505	0	593249	857142
9	1	17	163489	60	0	0	693593	857142
10	3	17	581020	93	1624	1317	272902	857142
11	2	17	338856	50	1901	0	516285	857142
12	2	17	299062	60	1020	0	556940	857142
13	1	17	370725	68	0	0	486349	857142
14	3	17	372751	67	1943	1032	481215	857142

Type 5 #2 5494 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	6	34274	99	0	0	632293	666666
2	2	6	526274	55	1119	0	139163	666666
3	2	6	261380	96	1377	0	403717	666666
4	1	6	493673	97	0	0	172896	666666
5	1	6	210440	92	0	0	456134	666666
6	2	6	325505	75	1905	0	339106	666666
7	3	6	618264	85	1725	1927	44495	666666
8	1	6	78034	62	0	0	588570	666666
9	2	6	539982	96	1046	0	125446	666666
10	2	6	327674	59	1438	0	337436	666666
11	2	6	229784	59	1057	0	435707	666666
12	1	6	537141	50	0	0	129475	666666
13	2	6	407116	71	1146	0	258262	666666
14	1	6	424196	74	0	0	242396	666666
15	1	6	98969	72	0	0	567625	666666
16	1	6	553984	91	0	0	112591	666666
17	1	6	449604	79	0	0	216983	666666
18	1	6	66706	52	0	0	599908	666666

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	3	11	246756	74	1440	1707	549875	800000
2	1	11	271725	72	0	0	528203	800000
3	2	11	222587	78	1112	0	576145	800000
4	1	11	111676	58	0	0	688266	800000
5	2	11	104381	52	1430	0	694085	800000
6	1	11	599932	68	0	0	200000	800000
7	2	11	42667	82	1830	0	755339	800000
8	3	11	81643	77	1730	1708	714688	800000
9	1	11	507578	89	0	0	292333	800000
10	1	11	753566	54	0	0	46380	800000
11	1	11	381163	91	0	0	418746	800000
12	2	11	388374	96	1066	0	410368	800000
13	1	11	276937	65	0	0	522998	800000
14	2	11	406726	65	1879	0	391265	800000
15	2	11	439320	75	1214	0	359316	800000

Type 5 #4 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	413945	67	1034	1571	289131	705882
2	3	10	694754	90	1168	1439	8251	705882
3	2	10	617893	52	1674	0	86211	705882
4	3	10	399042	87	1455	1800	303324	705882
5	2	10	192355	60	1726	0	511681	705882
6	1	10	704950	81	0	0	851	705882
7	1	10	497143	51	0	0	208688	705882
8	1	10	647104	93	0	0	58685	705882
9	2	10	304933	54	1141	0	399700	705882
10	2	10	128821	85	1543	0	575348	705882
11	3	10	332923	69	1173	1292	370287	705882
12	3	10	460867	75	1363	1694	241733	705882
13	2	10	470767	78	1195	0	233764	705882
14	2	10	11554	68	1972	0	692220	705882
15	3	10	349992	91	1069	1717	352831	705882
16	1	10	62740	85	0	0	643057	705882
17	2	10	581760	50	1622	0	122400	705882

Type 5 #5 5497 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	315878	98	0	0	350690	666666
2	2	12	138656	94	1308	0	526514	666666
3	1	12	649112	96	0	0	17458	666666
4	2	12	193004	68	1222	0	472304	666666
5	1	12	446311	69	0	0	220286	666666
6	3	12	199416	63	1610	1935	463516	666666
7	2	12	225542	51	1140	0	439882	666666
8	2	12	162335	80	1860	0	502311	666666
9	2	12	544970	81	1803	0	119731	666666
10	3	12	311373	75	1941	1650	351477	666666
11	3	12	550533	81	1928	1629	112333	666666
12	2	12	433027	54	1475	0	232056	666666
13	2	12	30053	50	1204	0	635309	666666
14	3	12	588327	86	1452	1964	74665	666666
15	2	12	542585	85	1666	0	122245	666666
16	3	12	33852	99	1763	1670	629084	666666
17	3	12	621980	92	1424	1213	41773	666666
18	3	12	630938	51	1770	1862	31943	666666

Type 5 #6 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	616068	60	0	0	15450	631578
2	3	15	9191	50	1237	1963	619037	631578
3	3	15	302637	56	1713	1193	325867	631578
4	1	15	526767	68	0	0	104743	631578
5	2	15	458524	90	1760	0	171114	631578
6	1	15	363784	61	0	0	267733	631578
7	3	15	283728	58	1206	1106	345364	631578
8	1	15	579323	86	0	0	52169	631578
9	2	15	427340	99	1463	0	202577	631578
10	1	15	119272	82	0	0	512224	631578
11	2	15	564916	81	1619	0	64881	631578
12	1	15	277552	61	0	0	353965	631578
13	2	15	313553	62	1897	0	316004	631578
14	2	15	12586	52	1849	0	617039	631578
15	2	15	201221	87	1278	0	428905	631578
16	2	15	427520	66	1856	0	202070	631578
17	1	15	553050	81	0	0	78447	631578
18	1	15	103811	57	0	0	527710	631578
19	3	15	407716	65	1079	1898	220690	631578

Type 5 #7 5494 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	6	535290	92	0	0	321760	857142
2	2	6	257598	72	1307	0	598093	857142
3	3	6	304680	78	1170	1259	549799	857142
4	3	6	363366	58	1021	1752	490829	857142
5	3	6	620346	99	1198	1940	233361	857142
6	2	6	601370	72	1708	0	253920	857142
7	2	6	690182	95	1610	0	165160	857142
8	2	6	95323	66	1588	0	760099	857142
9	3	6	223687	53	1749	1910	629637	857142
10	1	6	855637	77	0	0	1428	857142
11	3	6	521959	57	1650	1188	332174	857142
12	3	6	506388	93	1721	1676	347078	857142
13	2	6	124785	93	1795	0	730376	857142
14	1	6	603392	99	0	0	253651	857142

Type 5 #8 5503 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	214372	52	0	0	417154	631578
2	3	12	149051	63	1440	1824	479074	631578
3	2	12	291056	69	1196	0	339188	631578
4	3	12	559486	58	1693	1271	68954	631578
5	1	12	120493	63	0	0	511022	631578
6	2	12	407455	87	1294	0	222655	631578
7	2	12	411415	58	1969	0	218078	631578
8	3	12	596202	63	1337	1525	32325	631578
9	1	12	457680	78	0	0	173820	631578
10	3	12	202186	89	1929	1242	425954	631578
11	2	12	578936	87	1221	0	51247	631578
12	3	12	92072	67	1148	1331	536826	631578
13	1	12	158196	80	0	0	473302	631578
14	2	12	385370	51	1124	0	244982	631578
15	3	12	351047	58	1942	1731	276684	631578
16	1	12	493788	70	0	0	137720	631578
17	3	12	269936	52	1416	1323	358747	631578
18	3	12	119424	80	1736	1008	509170	631578
19	1	12	587517	91	0	0	43970	631578

[Type 5 #9 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	2	17	566787	85	1487	0	137438	705882
2	2	17	674336	86	1359	0	30015	705882
3	3	17	189745	78	1710	1094	513099	705882
4	1	17	310324	91	0	0	395467	705882
5	2	17	687184	83	1700	0	16832	705882
6	1	17	420175	97	0	0	285610	705882
7	3	17	330705	96	1183	1034	372672	705882
8	3	17	623896	92	1262	1625	78823	705882
9	2	17	453350	67	1955	0	250443	705882
10	1	17	491072	86	0	0	214724	705882
11	1	17	217415	83	0	0	488384	705882
12	2	17	338212	97	1988	0	365488	705882
13	3	17	25567	78	1789	1765	676527	705882
14	2	17	681329	76	1703	0	22698	705882
15	2	17	389942	97	1196	0	314550	705882
16	1	17	89759	65	0	0	616058	705882
17	1	17	486967	51	0	0	218864	705882

[Type 5 #10 5502 \[Back to Summary\]](#)

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	14	673474	87	1995	0	30239	705882
2	3	14	20970	54	1612	1575	681563	705882
3	1	14	190016	70	0	0	515796	705882
4	1	14	146193	56	0	0	559633	705882
5	3	14	104491	70	1624	1242	598315	705882
6	2	14	654382	67	1099	0	50267	705882
7	3	14	158719	97	1790	1112	543970	705882
8	2	14	320946	57	1242	0	383580	705882
9	2	14	144697	87	1828	0	559183	705882
10	2	14	505728	57	1420	0	198620	705882
11	3	14	350891	68	1972	1184	351631	705882
12	1	14	254509	82	0	0	451291	705882
13	3	14	236249	88	1649	1148	466572	705882
14	1	14	582854	100	0	0	122928	705882
15	3	14	628405	60	1488	1300	74509	705882
16	2	14	137412	81	1944	0	566364	705882
17	3	14	576194	61	1210	1959	126336	705882

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	19	582032	73	1653	0	273311	857142
2	3	19	695256	94	1356	1146	159102	857142
3	3	19	18545	80	1867	1672	834818	857142
4	1	19	275849	83	0	0	581210	857142
5	1	19	377017	66	0	0	480059	857142
6	1	19	304295	77	0	0	552770	857142
7	3	19	110771	66	1667	1481	743025	857142
8	3	19	62784	68	1811	1735	790608	857142
9	2	19	411711	52	1303	0	444024	857142
10	2	19	128569	86	1147	0	727254	857142
11	2	19	165691	75	1815	0	689486	857142
12	1	19	420624	56	0	0	436462	857142
13	2	19	52105	67	1001	0	803902	857142
14	1	19	632354	62	0	0	224726	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	3	14	1242699	55	1015	1100	255021	1500000
2	3	14	257383	68	1603	1674	1239136	1500000
3	2	14	328039	85	1937	0	1169854	1500000
4	1	14	1082404	62	0	0	417534	1500000
5	2	14	347609	87	1242	0	1150975	1500000
6	1	14	1393795	99	0	0	106106	1500000
7	3	14	114684	64	1456	1196	1382472	1500000
8	1	14	992846	51	0	0	507103	1500000

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	20	557113	81	1801	0	364000	923076
2	1	20	829567	55	0	0	93454	923076
3	1	20	767285	69	0	0	155722	923076
4	3	20	677974	89	1853	1050	241932	923076
5	2	20	793632	86	1470	0	127802	923076
6	2	20	476395	59	1482	0	445081	923076
7	3	20	598622	62	1077	1854	321337	923076
8	2	20	825021	58	1200	0	96739	923076
9	1	20	815651	79	0	0	107346	923076

10	3	20	727400	67	1205	1958	192312	923076
11	3	20	102962	86	1913	1008	816935	923076
12	3	20	480989	97	1534	1420	438842	923076
13	2	20	848184	58	1799	0	72977	923076

Type 5 #14 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	10	109808	59	1139	1170	519284	631578
2	1	10	441092	99	0	0	190387	631578
3	3	10	24785	91	1518	1165	603837	631578
4	2	10	571342	79	1228	0	58850	631578
5	1	10	89565	83	0	0	541930	631578
6	1	10	425946	68	0	0	205564	631578
7	3	10	44565	77	1106	1082	584594	631578
8	3	10	186498	56	1941	1971	441000	631578
9	2	10	221427	51	1826	0	408223	631578
10	1	10	311752	57	0	0	319769	631578
11	2	10	281559	88	1455	0	348388	631578
12	2	10	503889	76	1928	0	125609	631578
13	3	10	390877	91	1306	1644	237478	631578
14	3	10	376813	57	1094	1027	252473	631578
15	2	10	185332	73	1370	0	444730	631578
16	3	10	222818	79	1791	1804	404928	631578
17	1	10	412367	67	0	0	219144	631578
18	3	10	574137	97	1560	1292	54298	631578
19	1	10	85663	99	0	0	545816	631578

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	1	5	196160	79	0	0	1137094	1333333
2	3	5	471270	91	1984	1217	858589	1333333
3	1	5	607255	100	0	0	725978	1333333
4	1	5	1294307	65	0	0	38961	1333333
5	3	5	912289	61	1534	1736	417591	1333333
6	2	5	1199233	75	1883	0	132067	1333333
7	1	5	891026	78	0	0	442229	1333333
8	1	5	532451	65	0	0	800817	1333333
9	2	5	457520	83	1084	0	874563	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	5	43373	54	0	0	879649	923076
2	3	5	237041	96	1519	1311	682917	923076
3	3	5	477573	75	1931	1656	441691	923076
4	3	5	477316	53	1328	1406	442867	923076
5	3	5	176348	86	1311	1742	743417	923076
6	1	5	244823	95	0	0	678158	923076
7	1	5	748203	93	0	0	174780	923076
8	3	5	917990	76	1366	1749	1743	923076
9	3	5	265760	57	1935	1161	654049	923076
10	1	5	554723	54	0	0	368299	923076
11	3	5	546133	100	1885	1491	373267	923076
12	3	5	876286	52	1645	1327	43662	923076
13	1	5	74262	72	0	0	848742	923076

Type 5 #17 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	14	105587	57	1754	1763	596607	705882
2	2	14	600773	100	1165	0	103744	705882
3	2	14	584037	71	1125	0	120578	705882
4	2	14	73283	63	1775	0	630698	705882
5	1	14	634143	91	0	0	71648	705882
6	2	14	366005	89	1073	0	338626	705882
7	2	14	161565	88	1894	0	542247	705882
8	3	14	330583	87	1424	1808	371806	705882
9	2	14	588748	58	1145	0	115873	705882
10	1	14	361147	63	0	0	344672	705882
11	3	14	301998	70	1512	1398	400764	705882
12	2	14	265696	97	1867	0	438125	705882
13	2	14	68851	51	1648	0	635281	705882
14	2	14	62555	57	1897	0	641316	705882
15	1	14	593400	72	0	0	112410	705882
16	2	14	43713	58	1667	0	660386	705882
17	2	14	446803	76	1959	0	256968	705882

Type 5 #18 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	11	417346	78	1516	1208	246362	666666
2	2	11	584102	77	1002	0	81408	666666
3	2	11	637727	95	1422	0	27327	666666
4	1	11	177531	78	0	0	489057	666666
5	3	11	368923	61	1805	1823	293932	666666
6	2	11	15192	50	1601	0	649773	666666
7	2	11	427883	54	1837	0	236838	666666
8	3	11	91026	100	1884	1817	571639	666666
9	3	11	12050	88	1593	1143	651616	666666
10	3	11	355063	52	1921	1937	307589	666666
11	3	11	266155	79	1753	1694	396827	666666
12	1	11	98306	75	0	0	568285	666666
13	1	11	31369	76	0	0	635221	666666
14	1	11	227563	52	0	0	439051	666666
15	3	11	39060	60	1617	1535	624274	666666
16	1	11	384258	86	0	0	282322	666666
17	1	11	57721	77	0	0	608868	666666
18	2	11	593485	78	1112	0	71913	666666

Type 5 #19 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	8	38434	73	1071	0	1293682	1333333
2	3	8	729726	96	1036	1580	600703	1333333
3	3	8	823475	59	1053	1694	506934	1333333
4	3	8	275803	73	1435	1387	1054489	1333333
5	3	8	1039736	86	1935	1409	289995	1333333
6	3	8	1268053	59	1432	1468	62203	1333333
7	2	8	916696	58	1852	0	414669	1333333
8	1	8	1101042	75	0	0	232216	1333333
9	1	8	891364	82	0	0	441887	1333333

Type 5 #20 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	16	94225	67	1245	1140	903189	1000000
2	2	16	69329	88	1255	0	929240	1000000
3	1	16	101673	72	0	0	898255	1000000
4	1	16	471807	65	0	0	528128	1000000

5	3	16	885558	64	1883	1857	110510	1000000
6	1	16	958712	50	0	0	41238	1000000
7	1	16	108103	84	0	0	891813	1000000
8	3	16	686755	75	1601	1361	310058	1000000
9	2	16	477187	60	1405	0	521288	1000000
10	3	16	107904	97	1195	1061	889549	1000000
11	2	16	438661	62	1090	0	560125	1000000
12	3	16	83243	75	1863	1252	913417	1000000

Type 5 #21 5494 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	72629	68	1501	1726	847016	923076
2	1	5	585087	78	0	0	337911	923076
3	2	5	876196	81	1961	0	44757	923076
4	1	5	394279	93	0	0	528704	923076
5	2	5	97493	78	1315	0	824112	923076
6	2	5	436791	89	1591	0	484516	923076
7	2	5	848632	100	1280	0	72964	923076
8	2	5	165809	86	1065	0	756030	923076
9	1	5	524770	99	0	0	398207	923076
10	1	5	269991	55	0	0	653030	923076
11	1	5	876321	56	0	0	46699	923076
12	3	5	724902	89	1899	1453	194555	923076
13	2	5	777400	61	1525	0	144029	923076

Type 5 #22 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	5	356725	62	1110	0	642041	1000000
2	1	5	748926	78	0	0	250996	1000000
3	1	5	473244	100	0	0	526656	1000000
4	2	5	285278	57	1913	0	712695	1000000
5	2	5	918239	71	1466	0	80153	1000000
6	3	5	903033	57	1655	1687	93454	1000000
7	1	5	927696	84	0	0	72220	1000000
8	1	5	450966	93	0	0	548941	1000000
9	2	5	891550	68	1520	0	106794	1000000
10	2	5	51978	76	1405	0	946465	1000000
11	1	5	603976	85	0	0	395939	1000000
12	2	5	252107	80	1892	0	745841	1000000

Type 5 #23 5504 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	11	268301	72	1591	0	529964	800000
2	1	11	370648	75	0	0	429277	800000
3	1	11	66449	97	0	0	733454	800000
4	2	11	151249	74	1394	0	647209	800000
5	2	11	560639	78	1430	0	237775	800000
6	1	11	541604	71	0	0	258325	800000
7	2	11	524527	78	1009	0	274308	800000
8	3	11	344036	96	1235	1189	453252	800000
9	2	11	569410	92	1618	0	228788	800000
10	2	11	609	71	1602	0	797647	800000
11	3	11	2398	97	1176	1123	795012	800000
12	1	11	213191	97	0	0	586712	800000
13	2	11	546355	65	1545	0	251970	800000
14	2	11	142957	50	1272	0	655671	800000
15	2	11	447366	65	1460	0	351044	800000

Type 5 #24 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	907379	61	1676	1838	179833	1090909
2	1	19	986735	78	0	0	104096	1090909
3	1	19	961562	72	0	0	129275	1090909
4	1	19	844161	64	0	0	246684	1090909
5	1	19	620968	71	0	0	469870	1090909
6	2	19	372940	83	1469	0	716334	1090909
7	2	19	989924	66	1059	0	99794	1090909
8	2	19	948332	68	1729	0	140712	1090909
9	1	19	1056119	52	0	0	34738	1090909
10	3	19	863575	54	1276	1029	224867	1090909
11	3	19	827307	61	1488	1227	260704	1090909

Type 5 #25 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	10	346577	75	0	0	1153348	1500000
2	3	10	227364	94	1402	1980	1268972	1500000
3	1	10	1088293	71	0	0	411636	1500000
4	2	10	531582	72	1432	0	966842	1500000
5	2	10	502669	81	1679	0	995490	1500000

6	3	10	905144	92	1826	1148	591606	1500000
7	2	10	1324969	74	1857	0	173026	1500000
8	1	10	284042	74	0	0	1215884	1500000

Type 5 #26 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	20	80530	79	0	0	586057	666666
2	2	20	253741	66	1766	0	411027	666666
3	3	20	40031	74	1103	1145	624165	666666
4	1	20	469410	62	0	0	197194	666666
5	3	20	339389	89	1559	1956	323495	666666
6	3	20	494496	98	1298	1955	168623	666666
7	1	20	511728	79	0	0	154859	666666
8	1	20	123137	67	0	0	543462	666666
9	1	20	317519	86	0	0	349061	666666
10	3	20	85836	70	1024	1342	578254	666666
11	2	20	83622	69	1496	0	581410	666666
12	1	20	424717	76	0	0	241873	666666
13	2	20	191086	73	1378	0	474056	666666
14	2	20	522404	50	1293	0	142869	666666
15	2	20	128080	91	1703	0	536701	666666
16	2	20	8527	99	1540	0	656401	666666
17	2	20	112602	74	1618	0	552298	666666
18	2	20	306838	82	1249	0	358415	666666

Type 5 #27 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	8	351646	55	1936	1104	276727	631578
2	2	8	191433	66	1646	0	438367	631578
3	2	8	383719	58	1657	0	246086	631578
4	1	8	331013	56	0	0	300509	631578
5	1	8	480528	84	0	0	150966	631578
6	3	8	623165	52	1619	1374	5264	631578
7	3	8	619522	73	1523	1728	8586	631578
8	1	8	37599	67	0	0	593912	631578
9	2	8	596509	93	1960	0	32923	631578
10	1	8	520179	65	0	0	111334	631578
11	1	8	559859	76	0	0	71643	631578
12	2	8	111413	97	1270	0	518701	631578
13	1	8	58499	72	0	0	573007	631578
14	1	8	529602	83	0	0	101893	631578
15	3	8	537665	71	1068	1447	91185	631578

16	1	8	287972	89	0	0	343517	631578
17	3	8	70279	63	1814	1830	557466	631578
18	2	8	367409	57	1469	0	262586	631578
19	1	8	398351	90	0	0	233137	631578

Type 5 #28 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	1	16	235777	57	0	0	855075	1090909
2	3	16	160796	72	1375	1497	927025	1090909
3	1	16	599155	62	0	0	491692	1090909
4	1	16	758725	68	0	0	332116	1090909
5	3	16	278114	77	1013	1187	810364	1090909
6	3	16	802036	82	1749	1818	285060	1090909
7	2	16	456185	83	1837	0	632721	1090909
8	1	16	963115	85	0	0	127709	1090909
9	3	16	521182	59	1645	1801	566104	1090909
10	3	16	787996	65	1771	1537	299410	1090909
11	3	16	350268	64	1757	1676	737016	1090909

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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	18	104023	77	1441	1408	692897	800000
2	3	18	289570	83	1779	1813	506589	800000
3	2	18	634368	69	1455	0	164039	800000
4	2	18	10429	99	1280	0	788093	800000
5	3	18	634922	68	1080	1090	162704	800000
6	3	18	620497	54	1652	1983	175706	800000
7	3	18	511656	92	1037	1491	285540	800000
8	2	18	109542	94	1946	0	688324	800000
9	2	18	61738	65	1729	0	736403	800000
10	3	18	733216	95	1712	1277	63510	800000
11	3	18	145094	53	1327	1629	651791	800000
12	3	18	471638	85	1161	1173	325773	800000
13	2	18	608628	81	1739	0	189471	800000
14	2	18	607841	86	1211	0	190776	800000
15	1	18	460310	85	0	0	339605	800000

[Type 5 #30 5500 \[Back to Summary\]](#)

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	20	1429478	99	0	0	70423	1500000
2	3	20	1445588	69	1072	1257	51876	1500000
3	2	20	507243	86	1211	0	991374	1500000
4	2	20	847334	56	1375	0	651179	1500000
5	3	20	379313	100	1840	1640	1116907	1500000
6	1	20	595765	51	0	0	904184	1500000
7	3	20	1159023	70	1589	1566	337612	1500000
8	1	20	513324	91	0	0	986585	1500000

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#01-5572	#02-5456	#03-5691	#04-5552	#05-5674	#06-5622	#07-5454	#08-5297	#09-5295	#10-5310
#11-5499	#12-5301	#13-5516	#14-5311	#15-5268	#16-5690	#17-5470	#18-5279	#19-5370	#20-5315
#21-5559	#22-5592	#23-5519	#24-5391	#25-5402	#26-5654	#27-5354	#28-5452	#29-5267	#30-5292
#31-5525	#32-5538	#33-5623	#34-5673	#35-5524	#36-5535	#37-5439	#38-5612	#39-5253	#40-5545
#41-5327	#42-5472	#43-5457	#44-5562	#45-5543	#46-5588	#47-5709	#48-5355	#49-5299	#50-5670
#51-5458	#52-5350	#53-5629	#54-5697	#55-5593	#56-5708	#57-5663	#58-5551	#59-5403	#60-5271
#61-5517	#62-5255	#63-5281	#64-5254	#65-5510	#66-5688	#67-5407	#68-5571	#69-5508	#70-5460
#71-5497	#72-5587	#73-5277	#74-5553	#75-5715	#76-5340	#77-5386	#78-5684	#79-5577	#80-5541
#81-5668	#82-5724	#83-5405	#84-5329	#85-5563	#86-5422	#87-5636	#88-5649	#89-5336	#90-5537
#91-5598	#92-5614	#93-5450	#94-5706	#95-5273	#96-5321	#97-5436	#98-5446	#99-5298	#100-5579

Type 6 #2 [Back to Summary]

#01-5429	#02-5389	#03-5567	#04-5561	#05-5418	#06-5598	#07-5321	#08-5325	#09-5706	#10-5504
#11-5573	#12-5703	#13-5702	#14-5585	#15-5324	#16-5520	#17-5574	#18-5678	#19-5416	#20-5339
#21-5301	#22-5477	#23-5484	#24-5694	#25-5591	#26-5614	#27-5375	#28-5290	#29-5527	#30-5646
#31-5620	#32-5657	#33-5639	#34-5722	#35-5360	#36-5526	#37-5404	#38-5564	#39-5629	#40-5686
#41-5347	#42-5552	#43-5667	#44-5546	#45-5691	#46-5611	#47-5630	#48-5590	#49-5627	#50-5465
#51-5458	#52-5478	#53-5279	#54-5676	#55-5512	#56-5672	#57-5624	#58-5587	#59-5695	#60-5517
#61-5457	#62-5275	#63-5509	#64-5305	#65-5602	#66-5635	#67-5309	#68-5708	#69-5461	#70-5506
#71-5358	#72-5254	#73-5295	#74-5444	#75-5715	#76-5456	#77-5524	#78-5652	#79-5251	#80-5697
#81-5701	#82-5493	#83-5379	#84-5300	#85-5420	#86-5377	#87-5616	#88-5680	#89-5438	#90-5402
#91-5617	#92-5528	#93-5586	#94-5344	#95-5455	#96-5316	#97-5284	#98-5603	#99-5664	#100-5299

Type 6 #3 [Back to Summary]

#01-5553	#02-5652	#03-5372	#04-5361	#05-5358	#06-5463	#07-5437	#08-5554	#09-5691	#10-5302
#11-5393	#12-5699	#13-5593	#14-5721	#15-5549	#16-5687	#17-5617	#18-5466	#19-5604	#20-5474
#21-5264	#22-5349	#23-5507	#24-5310	#25-5619	#26-5551	#27-5382	#28-5673	#29-5711	#30-5641
#31-5429	#32-5645	#33-5710	#34-5669	#35-5394	#36-5299	#37-5380	#38-5273	#39-5666	#40-5688
#41-5665	#42-5320	#43-5719	#44-5396	#45-5269	#46-5644	#47-5662	#48-5592	#49-5518	#50-5499
#51-5424	#52-5538	#53-5254	#54-5442	#55-5288	#56-5449	#57-5391	#58-5312	#59-5468	#60-5528
#61-5329	#62-5487	#63-5564	#64-5295	#65-5594	#66-5469	#67-5712	#68-5638	#69-5571	#70-5495
#71-5550	#72-5588	#73-5516	#74-5633	#75-5523	#76-5664	#77-5352	#78-5359	#79-5289	#80-5692
#81-5603	#82-5500	#83-5399	#84-5452	#85-5460	#86-5607	#87-5636	#88-5511	#89-5627	#90-5668
#91-5625	#92-5318	#93-5524	#94-5383	#95-5602	#96-5425	#97-5473	#98-5674	#99-5515	#100-5519

Type 6 #4 [Back to Summary]

#01-5663	#02-5273	#03-5277	#04-5275	#05-5673	#06-5557	#07-5274	#08-5342	#09-5639	#10-5349
#11-5347	#12-5284	#13-5269	#14-5502	#15-5647	#16-5549	#17-5340	#18-5364	#19-5556	#20-5711
#21-5551	#22-5448	#23-5260	#24-5629	#25-5591	#26-5485	#27-5316	#28-5388	#29-5282	#30-5353
#31-5442	#32-5413	#33-5567	#34-5494	#35-5283	#36-5589	#37-5481	#38-5381	#39-5513	#40-5635
#41-5592	#42-5554	#43-5606	#44-5537	#45-5578	#46-5605	#47-5305	#48-5287	#49-5467	#50-5317
#51-5352	#52-5379	#53-5375	#54-5539	#55-5701	#56-5470	#57-5261	#58-5380	#59-5416	#60-5444
#61-5500	#62-5621	#63-5315	#64-5546	#65-5640	#66-5666	#67-5447	#68-5508	#69-5474	#70-5314
#71-5325	#72-5690	#73-5579	#74-5652	#75-5378	#76-5724	#77-5572	#78-5452	#79-5307	#80-5714
#81-5435	#82-5286	#83-5645	#84-5693	#85-5250	#86-5322	#87-5295	#88-5278	#89-5521	#90-5538



Title: Mikrotiks SIA RBD53iG-5HacD2HnD-US
To: FCC Part 15.407 & ISED RSS-247
Serial #: MIKO114-U2 Rev A DFS Addendum

#91-5580	#92-5366	#93-5694	#94-5330	#95-5398	#96-5698	#97-5493	#98-5313	#99-5632	#100-5643
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Type 6 #5 [Back to Summary]

#01-5408	#02-5522	#03-5536	#04-5404	#05-5716	#06-5382	#07-5524	#08-5446	#09-5415	#10-5699
#11-5624	#12-5539	#13-5316	#14-5420	#15-5254	#16-5464	#17-5697	#18-5344	#19-5546	#20-5569
#21-5621	#22-5417	#23-5712	#24-5659	#25-5461	#26-5686	#27-5720	#28-5500	#29-5506	#30-5395
#31-5481	#32-5508	#33-5544	#34-5383	#35-5557	#36-5636	#37-5468	#38-5483	#39-5696	#40-5591
#41-5513	#42-5570	#43-5585	#44-5538	#45-5635	#46-5283	#47-5287	#48-5517	#49-5312	#50-5649
#51-5723	#52-5387	#53-5484	#54-5308	#55-5267	#56-5714	#57-5531	#58-5600	#59-5666	#60-5276
#61-5380	#62-5270	#63-5660	#64-5263	#65-5459	#66-5360	#67-5718	#68-5650	#69-5588	#70-5339
#71-5713	#72-5455	#73-5365	#74-5673	#75-5300	#76-5302	#77-5555	#78-5418	#79-5273	#80-5425
#81-5645	#82-5443	#83-5433	#84-5582	#85-5397	#86-5335	#87-5269	#88-5478	#89-5367	#90-5564
#91-5350	#92-5597	#93-5542	#94-5669	#95-5449	#96-5492	#97-5628	#98-5572	#99-5323	#100-5519

Type 6 #6 [Back to Summary]

#01-5290	#02-5361	#03-5656	#04-5697	#05-5657	#06-5508	#07-5273	#08-5537	#09-5261	#10-5690
#11-5410	#12-5363	#13-5576	#14-5491	#15-5353	#16-5665	#17-5559	#18-5329	#19-5586	#20-5380
#21-5345	#22-5487	#23-5532	#24-5277	#25-5715	#26-5373	#27-5645	#28-5426	#29-5474	#30-5531
#31-5398	#32-5710	#33-5346	#34-5477	#35-5388	#36-5541	#37-5517	#38-5463	#39-5649	#40-5618
#41-5312	#42-5455	#43-5469	#44-5406	#45-5404	#46-5716	#47-5268	#48-5300	#49-5570	#50-5513
#51-5660	#52-5554	#53-5709	#54-5671	#55-5427	#56-5527	#57-5555	#58-5628	#59-5705	#60-5536
#61-5589	#62-5575	#63-5310	#64-5450	#65-5544	#66-5421	#67-5264	#68-5347	#69-5354	#70-5540
#71-5397	#72-5341	#73-5403	#74-5691	#75-5313	#76-5613	#77-5267	#78-5377	#79-5601	#80-5724
#81-5350	#82-5598	#83-5583	#84-5686	#85-5599	#86-5568	#87-5723	#88-5400	#89-5297	#90-5584
#91-5707	#92-5611	#93-5478	#94-5362	#95-5280	#96-5461	#97-5392	#98-5263	#99-5588	#100-5700

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#01-5700	#02-5643	#03-5668	#04-5277	#05-5362	#06-5561	#07-5398	#08-5267	#09-5605	#10-5536
#11-5507	#12-5426	#13-5282	#14-5709	#15-5436	#16-5716	#17-5718	#18-5348	#19-5580	#20-5695
#21-5423	#22-5587	#23-5300	#24-5495	#25-5551	#26-5510	#27-5589	#28-5290	#29-5659	#30-5571
#31-5466	#32-5252	#33-5513	#34-5618	#35-5273	#36-5430	#37-5650	#38-5550	#39-5574	#40-5286
#41-5418	#42-5705	#43-5516	#44-5482	#45-5325	#46-5531	#47-5579	#48-5491	#49-5652	#50-5292
#51-5467	#52-5297	#53-5405	#54-5613	#55-5526	#56-5360	#57-5596	#58-5417	#59-5446	#60-5573
#61-5696	#62-5356	#63-5331	#64-5281	#65-5320	#66-5502	#67-5636	#68-5385	#69-5684	#70-5253
#71-5316	#72-5412	#73-5496	#74-5546	#75-5525	#76-5443	#77-5322	#78-5539	#79-5421	#80-5269
#81-5657	#82-5345	#83-5365	#84-5625	#85-5354	#86-5428	#87-5570	#88-5630	#89-5341	#90-5639
#91-5563	#92-5478	#93-5358	#94-5251	#95-5313	#96-5315	#97-5628	#98-5486	#99-5419	#100-5545

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#01-5622	#02-5442	#03-5536	#04-5649	#05-5701	#06-5307	#07-5519	#08-5584	#09-5335	#10-5334
#11-5290	#12-5306	#13-5724	#14-5428	#15-5643	#16-5603	#17-5720	#18-5433	#19-5653	#20-5615
#21-5661	#22-5258	#23-5297	#24-5299	#25-5415	#26-5555	#27-5310	#28-5495	#29-5484	#30-5463
#31-5543	#32-5557	#33-5370	#34-5602	#35-5373	#36-5462	#37-5530	#38-5436	#39-5646	#40-5293
#41-5629	#42-5708	#43-5539	#44-5254	#45-5592	#46-5503	#47-5478	#48-5654	#49-5333	#50-5429
#51-5319	#52-5440	#53-5559	#54-5523	#55-5607	#56-5613	#57-5393	#58-5485	#59-5480	#60-5390
#61-5250	#62-5274	#63-5352	#64-5597	#65-5515	#66-5457	#67-5666	#68-5368	#69-5305	#70-5427

#71-5325	#72-5535	#73-5513	#74-5611	#75-5713	#76-5680	#77-5441	#78-5289	#79-5424	#80-5637
#81-5328	#82-5380	#83-5411	#84-5303	#85-5397	#86-5355	#87-5722	#88-5572	#89-5719	#90-5486
#91-5318	#92-5291	#93-5679	#94-5505	#95-5294	#96-5605	#97-5610	#98-5671	#99-5464	#100-5386

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#11-5419	#12-5351	#13-5306	#14-5572	#15-5315	#16-5594	#17-5584	#18-5294	#19-5450	#20-5413
#21-5461	#22-5341	#23-5373	#24-5546	#25-5365	#26-5277	#27-5580	#28-5260	#29-5563	#30-5362
#31-5319	#32-5499	#33-5555	#34-5292	#35-5317	#36-5692	#37-5509	#38-5513	#39-5672	#40-5616
#41-5427	#42-5298	#43-5282	#44-5321	#45-5313	#46-5691	#47-5712	#48-5360	#49-5440	#50-5429
#51-5266	#52-5564	#53-5472	#54-5300	#55-5651	#56-5480	#57-5715	#58-5301	#59-5516	#60-5335
#61-5656	#62-5642	#63-5370	#64-5431	#65-5589	#66-5648	#67-5525	#68-5263	#69-5506	#70-5355
#71-5342	#72-5329	#73-5359	#74-5567	#75-5714	#76-5417	#77-5310	#78-5305	#79-5489	#80-5407
#81-5290	#82-5479	#83-5553	#84-5397	#85-5348	#86-5488	#87-5278	#88-5515	#89-5382	#90-5575
#91-5701	#92-5465	#93-5724	#94-5599	#95-5685	#96-5517	#97-5664	#98-5588	#99-5462	#100-5396

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#11-5418	#12-5660	#13-5538	#14-5362	#15-5286	#16-5431	#17-5342	#18-5698	#19-5333	#20-5354
#21-5617	#22-5266	#23-5619	#24-5665	#25-5379	#26-5601	#27-5324	#28-5489	#29-5603	#30-5456
#31-5477	#32-5452	#33-5570	#34-5347	#35-5711	#36-5318	#37-5624	#38-5467	#39-5298	#40-5400
#41-5271	#42-5378	#43-5448	#44-5608	#45-5399	#46-5288	#47-5646	#48-5611	#49-5552	#50-5507
#51-5420	#52-5689	#53-5501	#54-5357	#55-5500	#56-5398	#57-5325	#58-5636	#59-5684	#60-5463
#61-5591	#62-5700	#63-5274	#64-5579	#65-5259	#66-5692	#67-5341	#68-5444	#69-5381	#70-5691
#71-5533	#72-5598	#73-5648	#74-5659	#75-5328	#76-5495	#77-5546	#78-5261	#79-5520	#80-5337
#81-5682	#82-5440	#83-5658	#84-5352	#85-5285	#86-5515	#87-5677	#88-5469	#89-5572	#90-5561
#91-5720	#92-5715	#93-5508	#94-5563	#95-5529	#96-5297	#97-5350	#98-5587	#99-5593	#100-5428

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#11-5575	#12-5316	#13-5366	#14-5597	#15-5500	#16-5403	#17-5288	#18-5651	#19-5543	#20-5473
#21-5263	#22-5601	#23-5594	#24-5537	#25-5698	#26-5540	#27-5345	#28-5332	#29-5381	#30-5281
#31-5396	#32-5682	#33-5392	#34-5340	#35-5389	#36-5484	#37-5681	#38-5325	#39-5379	#40-5472
#41-5470	#42-5367	#43-5443	#44-5576	#45-5714	#46-5654	#47-5603	#48-5636	#49-5314	#50-5378
#51-5262	#52-5426	#53-5298	#54-5374	#55-5421	#56-5327	#57-5587	#58-5670	#59-5617	#60-5410
#61-5450	#62-5687	#63-5436	#64-5719	#65-5583	#66-5621	#67-5648	#68-5276	#69-5461	#70-5269
#71-5452	#72-5689	#73-5524	#74-5323	#75-5254	#76-5624	#77-5412	#78-5272	#79-5552	#80-5296
#81-5667	#82-5438	#83-5267	#84-5251	#85-5271	#86-5699	#87-5635	#88-5275	#89-5646	#90-5319
#91-5623	#92-5264	#93-5442	#94-5700	#95-5283	#96-5514	#97-5658	#98-5456	#99-5715	#100-5352

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#11-5642	#12-5561	#13-5368	#14-5570	#15-5461	#16-5263	#17-5669	#18-5431	#19-5701	#20-5610
#21-5709	#22-5628	#23-5354	#24-5396	#25-5371	#26-5436	#27-5502	#28-5549	#29-5297	#30-5469
#31-5688	#32-5683	#33-5281	#34-5456	#35-5288	#36-5345	#37-5256	#38-5694	#39-5323	#40-5692
#41-5325	#42-5657	#43-5620	#44-5380	#45-5397	#46-5313	#47-5614	#48-5586	#49-5486	#50-5262

#51-5563	#52-5479	#53-5473	#54-5353	#55-5363	#56-5351	#57-5470	#58-5282	#59-5649	#60-5474
#61-5523	#62-5326	#63-5651	#64-5623	#65-5553	#66-5682	#67-5530	#68-5635	#69-5532	#70-5370
#71-5258	#72-5700	#73-5361	#74-5257	#75-5539	#76-5302	#77-5254	#78-5705	#79-5252	#80-5315
#81-5543	#82-5637	#83-5322	#84-5290	#85-5625	#86-5463	#87-5465	#88-5655	#89-5350	#90-5663
#91-5598	#92-5698	#93-5301	#94-5575	#95-5425	#96-5724	#97-5264	#98-5723	#99-5545	#100-5438

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#11-5344	#12-5491	#13-5279	#14-5592	#15-5653	#16-5608	#17-5256	#18-5618	#19-5723	#20-5345
#21-5471	#22-5600	#23-5541	#24-5594	#25-5487	#26-5285	#27-5655	#28-5507	#29-5558	#30-5539
#31-5291	#32-5257	#33-5406	#34-5543	#35-5528	#36-5562	#37-5583	#38-5675	#39-5283	#40-5287
#41-5346	#42-5721	#43-5373	#44-5284	#45-5571	#46-5366	#47-5671	#48-5430	#49-5649	#50-5540
#51-5717	#52-5371	#53-5251	#54-5453	#55-5690	#56-5630	#57-5417	#58-5437	#59-5606	#60-5694
#61-5663	#62-5584	#63-5632	#64-5719	#65-5273	#66-5338	#67-5336	#68-5459	#69-5315	#70-5347
#71-5275	#72-5312	#73-5581	#74-5686	#75-5250	#76-5473	#77-5480	#78-5508	#79-5277	#80-5384
#81-5343	#82-5475	#83-5582	#84-5268	#85-5548	#86-5647	#87-5258	#88-5676	#89-5575	#90-5625
#91-5400	#92-5401	#93-5325	#94-5320	#95-5355	#96-5483	#97-5351	#98-5385	#99-5264	#100-5486

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#11-5398	#12-5633	#13-5412	#14-5479	#15-5607	#16-5439	#17-5253	#18-5617	#19-5422	#20-5348
#21-5332	#22-5384	#23-5611	#24-5413	#25-5675	#26-5604	#27-5714	#28-5523	#29-5592	#30-5495
#31-5380	#32-5355	#33-5500	#34-5520	#35-5345	#36-5606	#37-5354	#38-5275	#39-5477	#40-5616
#41-5390	#42-5693	#43-5473	#44-5358	#45-5478	#46-5490	#47-5708	#48-5568	#49-5430	#50-5635
#51-5476	#52-5448	#53-5677	#54-5639	#55-5396	#56-5621	#57-5574	#58-5682	#59-5609	#60-5641
#61-5672	#62-5712	#63-5416	#64-5685	#65-5327	#66-5290	#67-5379	#68-5619	#69-5373	#70-5251
#71-5328	#72-5703	#73-5387	#74-5537	#75-5684	#76-5361	#77-5637	#78-5501	#79-5660	#80-5433
#81-5618	#82-5394	#83-5333	#84-5689	#85-5266	#86-5655	#87-5405	#88-5581	#89-5363	#90-5455
#91-5280	#92-5401	#93-5389	#94-5560	#95-5665	#96-5403	#97-5524	#98-5514	#99-5273	#100-5435

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#01-5352	#02-5338	#03-5437	#04-5430	#05-5548	#06-5500	#07-5309	#08-5389	#09-5676	#10-5283
#11-5705	#12-5324	#13-5268	#14-5425	#15-5265	#16-5526	#17-5622	#18-5461	#19-5666	#20-5404
#21-5611	#22-5524	#23-5504	#24-5649	#25-5695	#26-5657	#27-5561	#28-5553	#29-5595	#30-5531
#31-5570	#32-5373	#33-5473	#34-5477	#35-5332	#36-5534	#37-5687	#38-5635	#39-5388	#40-5491
#41-5598	#42-5267	#43-5637	#44-5333	#45-5472	#46-5683	#47-5380	#48-5694	#49-5545	#50-5391
#51-5505	#52-5311	#53-5573	#54-5599	#55-5547	#56-5555	#57-5562	#58-5509	#59-5454	#60-5616
#61-5663	#62-5476	#63-5513	#64-5390	#65-5433	#66-5581	#67-5576	#68-5511	#69-5336	#70-5451
#71-5563	#72-5713	#73-5313	#74-5415	#75-5527	#76-5594	#77-5614	#78-5410	#79-5416	#80-5260
#81-5521	#82-5596	#83-5255	#84-5447	#85-5275	#86-5498	#87-5525	#88-5607	#89-5659	#90-5495
#91-5699	#92-5414	#93-5418	#94-5492	#95-5557	#96-5358	#97-5466	#98-5484	#99-5626	#100-5627

Type 6 #16 [Back to Summary]									
#01-5357	#02-5591	#03-5603	#04-5337	#05-5554	#06-5519	#07-5721	#08-5399	#09-5317	#10-5680
#11-5667	#12-5393	#13-5339	#14-5447	#15-5338	#16-5318	#17-5477	#18-5311	#19-5372	#20-5658
#21-5299	#22-5698	#23-5584	#24-5561	#25-5487	#26-5389	#27-5536	#28-5541	#29-5592	#30-5416

#31-5368	#32-5370	#33-5523	#34-5527	#35-5632	#36-5660	#37-5714	#38-5643	#39-5623	#40-5475
#41-5506	#42-5378	#43-5532	#44-5700	#45-5559	#46-5550	#47-5329	#48-5703	#49-5411	#50-5482
#51-5614	#52-5410	#53-5366	#54-5685	#55-5568	#56-5382	#57-5255	#58-5287	#59-5576	#60-5419
#61-5710	#62-5431	#63-5530	#64-5628	#65-5562	#66-5546	#67-5597	#68-5533	#69-5537	#70-5402
#71-5324	#72-5556	#73-5413	#74-5618	#75-5396	#76-5649	#77-5414	#78-5611	#79-5251	#80-5661
#81-5298	#82-5553	#83-5374	#84-5349	#85-5516	#86-5682	#87-5723	#88-5560	#89-5681	#90-5489
#91-5651	#92-5672	#93-5309	#94-5452	#95-5485	#96-5322	#97-5570	#98-5627	#99-5381	#100-5260

Type 6 #17 [Back to Summary]

#01-5681	#02-5520	#03-5411	#04-5257	#05-5405	#06-5307	#07-5721	#08-5479	#09-5538	#10-5645
#11-5693	#12-5369	#13-5289	#14-5639	#15-5362	#16-5403	#17-5301	#18-5431	#19-5354	#20-5606
#21-5552	#22-5284	#23-5580	#24-5295	#25-5478	#26-5384	#27-5492	#28-5683	#29-5375	#30-5321
#31-5330	#32-5514	#33-5475	#34-5715	#35-5702	#36-5510	#37-5396	#38-5373	#39-5672	#40-5468
#41-5682	#42-5497	#43-5273	#44-5286	#45-5532	#46-5537	#47-5632	#48-5404	#49-5344	#50-5340
#51-5276	#52-5395	#53-5529	#54-5509	#55-5440	#56-5647	#57-5665	#58-5370	#59-5508	#60-5271
#61-5550	#62-5290	#63-5357	#64-5470	#65-5574	#66-5437	#67-5622	#68-5302	#69-5663	#70-5584
#71-5258	#72-5654	#73-5482	#74-5613	#75-5646	#76-5310	#77-5260	#78-5548	#79-5494	#80-5669
#81-5474	#82-5339	#83-5592	#84-5283	#85-5296	#86-5661	#87-5712	#88-5694	#89-5534	#90-5312
#91-5570	#92-5277	#93-5594	#94-5651	#95-5644	#96-5641	#97-5392	#98-5533	#99-5445	#100-5349

Type 6 #18 [Back to Summary]

#01-5636	#02-5583	#03-5461	#04-5489	#05-5331	#06-5348	#07-5639	#08-5637	#09-5582	#10-5378
#11-5635	#12-5372	#13-5601	#14-5559	#15-5522	#16-5452	#17-5423	#18-5319	#19-5422	#20-5631
#21-5444	#22-5656	#23-5493	#24-5607	#25-5261	#26-5708	#27-5310	#28-5549	#29-5689	#30-5251
#31-5644	#32-5450	#33-5347	#34-5395	#35-5281	#36-5614	#37-5597	#38-5346	#39-5678	#40-5670
#41-5273	#42-5323	#43-5360	#44-5403	#45-5394	#46-5445	#47-5400	#48-5278	#49-5379	#50-5447
#51-5474	#52-5315	#53-5359	#54-5538	#55-5624	#56-5710	#57-5339	#58-5578	#59-5482	#60-5351
#61-5286	#62-5336	#63-5676	#64-5581	#65-5466	#66-5436	#67-5272	#68-5462	#69-5533	#70-5638
#71-5579	#72-5326	#73-5374	#74-5487	#75-5610	#76-5375	#77-5546	#78-5341	#79-5470	#80-5545
#81-5561	#82-5284	#83-5427	#84-5502	#85-5511	#86-5577	#87-5344	#88-5540	#89-5503	#90-5297
#91-5528	#92-5268	#93-5600	#94-5585	#95-5643	#96-5668	#97-5380	#98-5505	#99-5673	#100-5691

Type 6 #19 [Back to Summary]

#01-5419	#02-5668	#03-5472	#04-5468	#05-5588	#06-5391	#07-5671	#08-5602	#09-5652	#10-5501
#11-5410	#12-5724	#13-5363	#14-5659	#15-5515	#16-5251	#17-5635	#18-5427	#19-5324	#20-5608
#21-5337	#22-5460	#23-5684	#24-5482	#25-5357	#26-5558	#27-5455	#28-5519	#29-5572	#30-5672
#31-5720	#32-5291	#33-5397	#34-5502	#35-5370	#36-5613	#37-5535	#38-5680	#39-5628	#40-5359
#41-5627	#42-5463	#43-5605	#44-5718	#45-5604	#46-5522	#47-5625	#48-5656	#49-5306	#50-5626
#51-5272	#52-5669	#53-5418	#54-5303	#55-5587	#56-5683	#57-5708	#58-5713	#59-5352	#60-5277
#61-5654	#62-5396	#63-5278	#64-5703	#65-5498	#66-5366	#67-5564	#68-5578	#69-5530	#70-5618
#71-5433	#72-5679	#73-5513	#74-5687	#75-5701	#76-5584	#77-5563	#78-5686	#79-5583	#80-5545
#81-5646	#82-5508	#83-5444	#84-5660	#85-5638	#86-5296	#87-5577	#88-5335	#89-5620	#90-5404
#91-5616	#92-5531	#93-5554	#94-5589	#95-5414	#96-5462	#97-5425	#98-5615	#99-5449	#100-5476

Type 6 #20 [Back to Summary]

#01-5676	#02-5290	#03-5372	#04-5410	#05-5442	#06-5317	#07-5399	#08-5464	#09-5328	#10-5723
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#11-5356	#12-5271	#13-5369	#14-5527	#15-5349	#16-5390	#17-5669	#18-5338	#19-5308	#20-5460
#21-5505	#22-5485	#23-5682	#24-5375	#25-5721	#26-5618	#27-5362	#28-5644	#29-5514	#30-5479
#31-5414	#32-5673	#33-5477	#34-5357	#35-5608	#36-5614	#37-5404	#38-5296	#39-5481	#40-5581
#41-5628	#42-5385	#43-5264	#44-5634	#45-5309	#46-5606	#47-5434	#48-5295	#49-5510	#50-5288
#51-5539	#52-5352	#53-5572	#54-5258	#55-5714	#56-5451	#57-5335	#58-5250	#59-5420	#60-5554
#61-5684	#62-5486	#63-5677	#64-5579	#65-5567	#66-5411	#67-5528	#68-5260	#69-5643	#70-5463
#71-5709	#72-5622	#73-5588	#74-5456	#75-5555	#76-5368	#77-5468	#78-5298	#79-5313	#80-5367
#81-5443	#82-5315	#83-5396	#84-5476	#85-5667	#86-5307	#87-5359	#88-5473	#89-5374	#90-5421
#91-5538	#92-5408	#93-5616	#94-5655	#95-5627	#96-5405	#97-5438	#98-5423	#99-5320	#100-5633

Type 6 #21 [Back to Summary]									
#01-5335	#02-5420	#03-5380	#04-5294	#05-5306	#06-5638	#07-5491	#08-5366	#09-5434	#10-5599
#11-5707	#12-5286	#13-5663	#14-5298	#15-5361	#16-5618	#17-5338	#18-5461	#19-5635	#20-5509
#21-5301	#22-5310	#23-5619	#24-5483	#25-5655	#26-5560	#27-5259	#28-5660	#29-5555	#30-5406
#31-5662	#32-5300	#33-5703	#34-5411	#35-5277	#36-5268	#37-5658	#38-5350	#39-5417	#40-5279
#41-5544	#42-5716	#43-5284	#44-5497	#45-5435	#46-5496	#47-5467	#48-5566	#49-5545	#50-5254
#51-5318	#52-5698	#53-5508	#54-5539	#55-5580	#56-5276	#57-5528	#58-5626	#59-5371	#60-5473
#61-5628	#62-5558	#63-5534	#64-5280	#65-5666	#66-5657	#67-5315	#68-5506	#69-5269	#70-5347
#71-5686	#72-5715	#73-5299	#74-5605	#75-5688	#76-5319	#77-5275	#78-5383	#79-5309	#80-5418
#81-5356	#82-5429	#83-5375	#84-5554	#85-5351	#86-5687	#87-5523	#88-5423	#89-5561	#90-5251
#91-5472	#92-5288	#93-5706	#94-5669	#95-5387	#96-5713	#97-5440	#98-5256	#99-5563	#100-5501

Type 6 #22 [Back to Summary]									
#01-5433	#02-5682	#03-5544	#04-5451	#05-5294	#06-5322	#07-5653	#08-5622	#09-5574	#10-5516
#11-5251	#12-5400	#13-5575	#14-5679	#15-5374	#16-5456	#17-5439	#18-5708	#19-5661	#20-5700
#21-5384	#22-5616	#23-5673	#24-5267	#25-5595	#26-5648	#27-5260	#28-5352	#29-5478	#30-5699
#31-5600	#32-5271	#33-5539	#34-5525	#35-5703	#36-5387	#37-5598	#38-5635	#39-5501	#40-5270
#41-5285	#42-5619	#43-5560	#44-5290	#45-5724	#46-5317	#47-5431	#48-5278	#49-5537	#50-5643
#51-5517	#52-5446	#53-5320	#54-5578	#55-5360	#56-5535	#57-5257	#58-5523	#59-5576	#60-5368
#61-5313	#62-5549	#63-5395	#64-5599	#65-5637	#66-5707	#67-5580	#68-5298	#69-5698	#70-5712
#71-5571	#72-5518	#73-5448	#74-5640	#75-5664	#76-5481	#77-5306	#78-5632	#79-5268	#80-5524
#81-5463	#82-5710	#83-5528	#84-5552	#85-5421	#86-5402	#87-5674	#88-5685	#89-5413	#90-5408
#91-5377	#92-5327	#93-5311	#94-5385	#95-5678	#96-5454	#97-5474	#98-5688	#99-5371	#100-5269

Type 6 #23 [Back to Summary]									
#01-5458	#02-5388	#03-5299	#04-5556	#05-5318	#06-5720	#07-5721	#08-5401	#09-5638	#10-5596
#11-5486	#12-5345	#13-5511	#14-5294	#15-5625	#16-5327	#17-5264	#18-5562	#19-5423	#20-5483
#21-5280	#22-5621	#23-5602	#24-5538	#25-5580	#26-5503	#27-5465	#28-5315	#29-5685	#30-5457
#31-5258	#32-5340	#33-5514	#34-5723	#35-5325	#36-5332	#37-5661	#38-5704	#39-5490	#40-5432
#41-5409	#42-5527	#43-5297	#44-5549	#45-5652	#46-5285	#47-5540	#48-5263	#49-5487	#50-5607
#51-5442	#52-5644	#53-5519	#54-5617	#55-5711	#56-5564	#57-5510	#58-5481	#59-5698	#60-5537
#61-5501	#62-5656	#63-5436	#64-5424	#65-5587	#66-5393	#67-5559	#68-5509	#69-5694	#70-5546
#71-5386	#72-5282	#73-5321	#74-5713	#75-5324	#76-5474	#77-5575	#78-5304	#79-5613	#80-5544
#81-5688	#82-5446	#83-5554	#84-5331	#85-5267	#86-5346	#87-5547	#88-5623	#89-5259	#90-5480
#91-5541	#92-5418	#93-5254	#94-5675	#95-5653	#96-5471	#97-5338	#98-5595	#99-5682	#100-5499

Type 6 #24 [Back to Summary]									
#01-5451	#02-5276	#03-5293	#04-5665	#05-5463	#06-5409	#07-5572	#08-5528	#09-5544	#10-5483
#11-5715	#12-5457	#13-5600	#14-5403	#15-5574	#16-5302	#17-5351	#18-5361	#19-5413	#20-5497
#21-5580	#22-5664	#23-5502	#24-5459	#25-5254	#26-5693	#27-5278	#28-5370	#29-5313	#30-5571
#31-5395	#32-5704	#33-5344	#34-5357	#35-5342	#36-5663	#37-5412	#38-5616	#39-5594	#40-5585
#41-5496	#42-5267	#43-5327	#44-5507	#45-5499	#46-5333	#47-5552	#48-5578	#49-5354	#50-5605
#51-5379	#52-5698	#53-5432	#54-5441	#55-5653	#56-5516	#57-5504	#58-5559	#59-5660	#60-5493
#61-5381	#62-5450	#63-5467	#64-5699	#65-5334	#66-5259	#67-5364	#68-5494	#69-5311	#70-5637
#71-5623	#72-5465	#73-5498	#74-5557	#75-5250	#76-5563	#77-5592	#78-5723	#79-5688	#80-5647
#81-5391	#82-5427	#83-5266	#84-5436	#85-5443	#86-5422	#87-5529	#88-5633	#89-5428	#90-5556
#91-5410	#92-5582	#93-5680	#94-5343	#95-5453	#96-5291	#97-5532	#98-5350	#99-5415	#100-5487

Type 6 #25 [Back to Summary]									
#01-5695	#02-5307	#03-5510	#04-5443	#05-5706	#06-5637	#07-5452	#08-5599	#09-5436	#10-5342
#11-5650	#12-5501	#13-5592	#14-5262	#15-5351	#16-5676	#17-5432	#18-5277	#19-5504	#20-5638
#21-5461	#22-5457	#23-5313	#24-5484	#25-5471	#26-5291	#27-5512	#28-5395	#29-5353	#30-5682
#31-5281	#32-5485	#33-5559	#34-5451	#35-5675	#36-5334	#37-5643	#38-5549	#39-5455	#40-5533
#41-5696	#42-5647	#43-5437	#44-5333	#45-5626	#46-5632	#47-5708	#48-5664	#49-5721	#50-5498
#51-5580	#52-5496	#53-5571	#54-5499	#55-5273	#56-5483	#57-5719	#58-5275	#59-5694	#60-5660
#61-5376	#62-5304	#63-5495	#64-5477	#65-5311	#66-5412	#67-5668	#68-5387	#69-5312	#70-5265
#71-5284	#72-5608	#73-5546	#74-5699	#75-5666	#76-5537	#77-5264	#78-5702	#79-5577	#80-5558
#81-5310	#82-5565	#83-5398	#84-5574	#85-5348	#86-5507	#87-5628	#88-5303	#89-5421	#90-5431
#91-5341	#92-5612	#93-5573	#94-5517	#95-5397	#96-5634	#97-5394	#98-5683	#99-5271	#100-5454

Type 6 #26 [Back to Summary]									
#01-5689	#02-5564	#03-5603	#04-5704	#05-5464	#06-5695	#07-5675	#08-5597	#09-5553	#10-5458
#11-5468	#12-5267	#13-5418	#14-5384	#15-5604	#16-5533	#17-5628	#18-5645	#19-5380	#20-5525
#21-5506	#22-5615	#23-5688	#24-5593	#25-5649	#26-5388	#27-5285	#28-5279	#29-5543	#30-5280
#31-5385	#32-5307	#33-5677	#34-5367	#35-5591	#36-5466	#37-5690	#38-5419	#39-5356	#40-5373
#41-5551	#42-5283	#43-5471	#44-5691	#45-5693	#46-5321	#47-5441	#48-5435	#49-5634	#50-5584
#51-5257	#52-5477	#53-5546	#54-5465	#55-5671	#56-5322	#57-5598	#58-5254	#59-5303	#60-5325
#61-5657	#62-5644	#63-5302	#64-5522	#65-5326	#66-5413	#67-5314	#68-5300	#69-5513	#70-5387
#71-5570	#72-5455	#73-5534	#74-5258	#75-5702	#76-5479	#77-5396	#78-5724	#79-5629	#80-5575
#81-5670	#82-5569	#83-5365	#84-5681	#85-5272	#86-5632	#87-5482	#88-5454	#89-5420	#90-5519
#91-5589	#92-5682	#93-5366	#94-5288	#95-5439	#96-5630	#97-5708	#98-5665	#99-5611	#100-5520

Type 6 #27 [Back to Summary]									
#01-5259	#02-5394	#03-5648	#04-5502	#05-5268	#06-5527	#07-5667	#08-5543	#09-5492	#10-5446
#11-5653	#12-5600	#13-5349	#14-5449	#15-5374	#16-5335	#17-5530	#18-5343	#19-5506	#20-5413
#21-5659	#22-5580	#23-5605	#24-5717	#25-5515	#26-5613	#27-5336	#28-5496	#29-5541	#30-5315
#31-5493	#32-5447	#33-5357	#34-5353	#35-5571	#36-5531	#37-5652	#38-5592	#39-5668	#40-5467
#41-5696	#42-5665	#43-5692	#44-5700	#45-5593	#46-5718	#47-5579	#48-5640	#49-5633	#50-5352
#51-5348	#52-5609	#53-5410	#54-5448	#55-5589	#56-5400	#57-5510	#58-5655	#59-5710	#60-5375
#61-5431	#62-5411	#63-5252	#64-5422	#65-5677	#66-5451	#67-5486	#68-5721	#69-5601	#70-5563
#71-5403	#72-5661	#73-5395	#74-5281	#75-5436	#76-5715	#77-5608	#78-5624	#79-5364	#80-5517
#81-5277	#82-5412	#83-5578	#84-5427	#85-5687	#86-5603	#87-5282	#88-5625	#89-5476	#90-5404

#91-5263	#92-5719	#93-5597	#94-5528	#95-5280	#96-5520	#97-5658	#98-5505	#99-5271	#100-5382
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Type 6 #28 [Back to Summary]									
#01-5474	#02-5588	#03-5289	#04-5317	#05-5670	#06-5415	#07-5458	#08-5381	#09-5260	#10-5603
#11-5519	#12-5612	#13-5535	#14-5437	#15-5351	#16-5270	#17-5557	#18-5544	#19-5463	#20-5318
#21-5421	#22-5592	#23-5489	#24-5442	#25-5560	#26-5414	#27-5307	#28-5598	#29-5251	#30-5644
#31-5306	#32-5349	#33-5611	#34-5707	#35-5298	#36-5417	#37-5379	#38-5522	#39-5492	#40-5526
#41-5400	#42-5632	#43-5623	#44-5609	#45-5625	#46-5376	#47-5436	#48-5419	#49-5435	#50-5262
#51-5698	#52-5368	#53-5302	#54-5682	#55-5696	#56-5615	#57-5350	#58-5573	#59-5487	#60-5506
#61-5358	#62-5591	#63-5380	#64-5343	#65-5549	#66-5424	#67-5254	#68-5556	#69-5391	#70-5664
#71-5622	#72-5286	#73-5305	#74-5668	#75-5647	#76-5518	#77-5699	#78-5608	#79-5547	#80-5431
#81-5709	#82-5618	#83-5407	#84-5716	#85-5672	#86-5661	#87-5293	#88-5653	#89-5261	#90-5411
#91-5319	#92-5530	#93-5283	#94-5712	#95-5416	#96-5534	#97-5497	#98-5520	#99-5311	#100-5452

Type 6 #29 [Back to Summary]									
#01-5373	#02-5606	#03-5278	#04-5499	#05-5369	#06-5660	#07-5314	#08-5363	#09-5288	#10-5429
#11-5640	#12-5470	#13-5274	#14-5307	#15-5525	#16-5471	#17-5433	#18-5392	#19-5404	#20-5612
#21-5378	#22-5328	#23-5547	#24-5702	#25-5595	#26-5337	#27-5252	#28-5321	#29-5504	#30-5358
#31-5270	#32-5430	#33-5553	#34-5350	#35-5308	#36-5354	#37-5590	#38-5639	#39-5599	#40-5259
#41-5601	#42-5661	#43-5619	#44-5561	#45-5502	#46-5575	#47-5509	#48-5705	#49-5442	#50-5675
#51-5359	#52-5364	#53-5379	#54-5428	#55-5324	#56-5296	#57-5316	#58-5302	#59-5634	#60-5285
#61-5663	#62-5721	#63-5591	#64-5658	#65-5414	#66-5473	#67-5648	#68-5655	#69-5724	#70-5427
#71-5608	#72-5522	#73-5521	#74-5397	#75-5263	#76-5451	#77-5445	#78-5710	#79-5460	#80-5272
#81-5557	#82-5275	#83-5610	#84-5552	#85-5250	#86-5638	#87-5305	#88-5383	#89-5277	#90-5260
#91-5292	#92-5538	#93-5256	#94-5566	#95-5336	#96-5604	#97-5327	#98-5686	#99-5412	#100-5289

Type 6 #30 [Back to Summary]									
#01-5652	#02-5577	#03-5703	#04-5264	#05-5315	#06-5559	#07-5564	#08-5706	#09-5409	#10-5603
#11-5582	#12-5328	#13-5570	#14-5608	#15-5452	#16-5633	#17-5363	#18-5287	#19-5657	#20-5492
#21-5413	#22-5518	#23-5627	#24-5715	#25-5385	#26-5321	#27-5510	#28-5682	#29-5312	#30-5386
#31-5375	#32-5478	#33-5554	#34-5421	#35-5343	#36-5700	#37-5293	#38-5591	#39-5484	#40-5414
#41-5320	#42-5319	#43-5687	#44-5395	#45-5402	#46-5680	#47-5685	#48-5371	#49-5355	#50-5422
#51-5488	#52-5277	#53-5274	#54-5631	#55-5592	#56-5381	#57-5672	#58-5714	#59-5600	#60-5718
#61-5296	#62-5605	#63-5639	#64-5271	#65-5476	#66-5352	#67-5496	#68-5403	#69-5513	#70-5475
#71-5586	#72-5497	#73-5526	#74-5490	#75-5426	#76-5341	#77-5556	#78-5481	#79-5562	#80-5431
#81-5359	#82-5390	#83-5576	#84-5621	#85-5625	#86-5344	#87-5454	#88-5651	#89-5549	#90-5689
#91-5275	#92-5303	#93-5713	#94-5493	#95-5366	#96-5440	#97-5404	#98-5664	#99-5641	#100-5295

Type 5 #1 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	531423	62	1668	1038	65685	600000
2	1	5	56867	61	0	0	543072	600000
3	3	5	11554	65	1192	1703	585356	600000
4	2	5	225631	68	1888	0	372345	600000
5	3	5	549106	97	1749	1846	47008	600000
6	1	5	599482	53	0	0	465	600000
7	2	5	230968	66	1111	0	367789	600000
8	3	5	98258	87	1151	1143	499187	600000
9	1	5	256936	91	0	0	342973	600000
10	1	5	171110	71	0	0	582819	600000
11	3	5	145836	82	1657	1140	451121	600000
12	1	5	223395	96	0	0	376509	600000
13	3	5	255518	61	1160	1262	341877	600000
14	3	5	442668	54	1416	1273	154481	600000
15	1	5	127545	87	0	0	472368	600000
16	2	5	85245	55	1289	0	513356	600000
17	2	5	220368	69	1043	0	378451	600000
18	3	5	580223	59	1487	1043	17070	600000
19	2	5	2186	89	1174	0	596462	600000
20	3	5	597033	86	1032	1451	226	600000

Type 5 #2 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	17	489097	83	1197	0	141118	631578
2	1	17	74063	73	0	0	557442	631578
3	3	17	234331	87	1707	1787	393492	631578
4	1	17	269823	58	0	0	361697	631578
5	2	17	251782	59	1208	0	378470	631578
6	1	17	321671	99	0	0	309808	631578
7	3	17	270564	57	1610	1944	357289	631578
8	1	17	215745	69	0	0	415764	631578
9	3	17	116784	78	1712	1327	511521	631578
10	3	17	125637	66	1664	1611	502468	631578
11	3	17	128812	88	1998	1342	499162	631578
12	3	17	601162	90	1372	1807	26967	631578
13	3	17	225259	99	1085	1787	403150	631578
14	2	17	264288	100	1323	0	365767	631578
15	3	17	260851	93	1867	1322	367259	631578
16	3	17	258304	65	1327	1883	369869	631578

17	3	17	262182	98	1465	1864	365773	631578
18	1	17	163629	99	0	0	467850	631578
19	3	17	268298	72	1916	1099	360049	631578

Type 5 #3 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	10	559022	74	0	0	72482	631578
2	2	10	609200	69	1441	0	20799	631578
3	1	10	152304	55	0	0	479219	631578
4	3	10	154797	72	1493	1651	473421	631578
5	3	10	255747	72	1618	1101	372896	631578
6	2	10	149754	61	1505	0	480197	631578
7	1	10	315968	95	0	0	315515	631578
8	3	10	436020	100	1164	1987	192107	631578
9	2	10	214262	73	1293	0	415877	631578
10	2	10	513734	93	1355	0	116303	631578
11	2	10	564955	52	1631	0	64888	631578
12	2	10	22321	69	1277	0	607842	631578
13	1	10	460632	97	0	0	170849	631578
14	3	10	284984	60	1066	1742	343606	631578
15	1	10	350612	83	0	0	280883	631578
16	1	10	264372	100	0	0	367106	631578
17	1	10	545637	52	0	0	85889	631578
18	2	10	170206	59	1798	0	459456	631578
19	2	10	560844	80	1321	0	69253	631578

Type 5 #4 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	14	323009	56	1289	1117	274417	600000
2	2	14	442667	89	1448	0	155707	600000
3	3	14	286817	59	1965	1194	309847	600000
4	1	14	558938	71	0	0	40991	600000
5	2	14	416741	97	1635	0	181430	600000
6	3	14	438108	72	1156	1679	158841	600000
7	1	14	570580	88	0	0	29332	600000
8	3	14	14606	72	1523	1974	581681	600000
9	3	14	379460	59	1693	1694	216976	600000
10	3	14	384450	54	1451	1218	212719	600000
11	2	14	588179	61	1199	0	10500	600000
12	2	14	462096	84	1043	0	136693	600000
13	1	14	253055	50	0	0	346895	600000
14	2	14	469004	62	1664	0	129208	600000

15	2	14	445208	81	1906	0	152724	600000
16	3	14	43699	72	1553	1218	553314	600000
17	1	14	229224	91	0	0	370685	600000
18	1	14	64589	66	0	0	535345	600000
19	2	14	244170	94	1287	0	354355	600000
20	3	14	136221	57	1688	1807	460113	600000

Type 5 #5 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	5	63727	67	1457	1714	638783	705882
2	2	5	166932	65	1545	0	537275	705882
3	2	5	350006	75	1298	0	354428	705882
4	2	5	677235	79	1903	0	26586	705882
5	2	5	449761	96	1597	0	254332	705882
6	3	5	264322	100	1298	1654	438308	705882
7	3	5	277223	68	1391	1987	425077	705882
8	3	5	303820	90	1820	1361	398611	705882
9	3	5	670589	62	1301	1424	32382	705882
10	3	5	163727	92	1533	1559	538787	705882
11	2	5	183451	93	1459	0	520786	705882
12	2	5	607672	100	1891	0	96119	705882
13	2	5	143806	57	1908	0	560054	705882
14	1	5	241796	83	0	0	464003	705882
15	2	5	6249	82	1483	0	697986	705882
16	2	5	558612	70	1842	0	145288	705882
17	3	5	394277	92	1284	1293	308752	705882

Type 5 #6 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	515486	85	1047	1646	481566	1000000
2	1	10	168422	88	0	0	831490	1000000
3	2	10	944490	61	1464	0	53924	1000000
4	1	10	854081	72	0	0	145847	1000000
5	2	10	19133	83	1098	0	979603	1000000
6	1	10	533156	93	0	0	466751	1000000
7	3	10	236493	61	1634	1584	760106	1000000
8	2	10	184370	89	1641	0	813811	1000000
9	3	10	422133	90	1598	1092	574907	1000000
10	1	10	616330	92	0	0	383578	1000000
11	1	10	677676	74	0	0	322250	1000000
12	3	10	329794	86	1874	1969	666105	1000000

Type 5 #7 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	13	453552	61	1227	1932	400248	857142
2	1	13	730055	69	0	0	127018	857142
3	1	13	512407	50	0	0	344685	857142
4	1	13	786912	51	0	0	70179	857142
5	2	13	251134	87	1170	0	604664	857142
6	2	13	27783	90	1808	0	827371	857142
7	3	13	245581	56	1261	1621	608511	857142
8	2	13	383911	93	1602	0	471443	857142
9	3	13	562066	70	1087	1715	292064	857142
10	3	13	496507	52	1432	1084	357963	857142
11	2	13	795383	73	1726	0	59887	857142
12	3	13	47112	85	1140	1359	807276	857142
13	2	13	328538	92	1589	0	526831	857142
14	2	13	477791	50	1396	0	377855	857142

Type 5 #8 5564 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	742905	97	1755	1181	453868	1200000
2	2	11	1108002	83	1156	0	90676	1200000
3	2	11	106282	97	1901	0	1091623	1200000
4	3	11	267794	67	1599	1876	928530	1200000
5	2	11	1011476	71	1422	0	186960	1200000
6	1	11	454244	57	0	0	745699	1200000
7	1	11	999656	87	0	0	200257	1200000
8	1	11	128086	80	0	0	1071834	1200000
9	3	11	845478	65	1935	1276	351116	1200000
10	2	11	456080	73	1526	0	742248	1200000

Type 5 #9 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	931837	66	1759	0	266272	1200000
2	2	15	769587	76	1473	0	428788	1200000
3	3	15	91225	72	1068	1271	1106220	1200000
4	1	15	401455	87	0	0	798458	1200000
5	3	15	379869	100	1719	1071	817041	1200000
6	3	15	501614	88	1714	1371	695037	1200000
7	1	15	330183	59	0	0	869758	1200000
8	3	15	962802	93	1091	1776	234052	1200000

9	3	15	955489	53	1428	1029	241895	1200000
10	3	15	997859	95	1772	1753	198331	1200000

Type 5 #10 5497 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	1264455	88	1759	0	233610	1500000
2	2	12	313680	56	1882	0	1184326	1500000
3	1	12	1206272	69	0	0	293659	1500000
4	3	12	285424	57	1026	1655	1211724	1500000
5	3	12	67195	58	1862	1821	1428948	1500000
6	3	12	433077	74	1488	1335	1063878	1500000
7	3	12	1232955	82	1210	1662	263927	1500000
8	1	12	865162	97	0	0	634741	1500000

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	19	1130676	78	1416	1956	199051	1333333
2	2	19	730192	70	1896	0	601105	1333333
3	3	19	725817	91	1630	1394	604219	1333333
4	3	19	132046	79	1007	1594	1198449	1333333
5	1	19	371952	72	0	0	961309	1333333
6	1	19	35485	93	0	0	1297755	1333333
7	1	19	761593	97	0	0	571643	1333333
8	3	19	41571	96	1708	1243	1288523	1333333
9	3	19	134410	89	1106	1275	1196275	1333333

Type 5 #12 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	17	274365	67	0	0	325568	600000
2	1	17	343326	76	0	0	256598	600000
3	1	17	548551	78	0	0	51371	600000
4	1	17	35475	94	0	0	564431	600000
5	2	17	374681	62	1838	0	223357	600000
6	3	17	6902	90	1488	1994	589346	600000
7	2	17	19731	100	1101	0	578968	600000
8	1	17	243519	71	0	0	356410	600000
9	3	17	231029	74	1708	1185	365856	600000
10	3	17	332347	62	1045	1194	265228	600000
11	1	17	546285	61	0	0	53654	600000
12	1	17	79021	71	0	0	520908	600000

13	2	17	306205	58	1463	0	292216	600000
14	3	17	520246	79	1216	1848	76453	600000
15	3	17	317296	52	1673	1152	279723	600000
16	2	17	327911	83	1239	0	270684	600000
17	2	17	355920	90	1986	0	241914	600000
18	3	17	140775	69	1800	1729	455489	600000
19	3	17	404047	93	1731	1013	192930	600000
20	1	17	239507	91	0	0	360402	600000

Type 5 #13 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	6	868077	69	1653	1767	128296	1000000
2	1	6	298386	87	0	0	701527	1000000
3	1	6	837207	55	0	0	162738	1000000
4	1	6	685163	98	0	0	314739	1000000
5	2	6	105111	91	1421	0	893286	1000000
6	3	6	85727	72	1428	1764	910865	1000000
7	2	6	701522	99	1948	0	296332	1000000
8	2	6	297347	71	1075	0	701436	1000000
9	3	6	620242	93	1998	1349	376132	1000000
10	1	6	351124	50	0	0	648826	1000000
11	2	6	533122	54	1338	0	465432	1000000
12	2	6	321357	88	1273	0	677194	1000000

Type 5 #14 5564 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	229353	94	0	0	970553	1200000
2	2	10	636660	95	1387	0	561763	1200000
3	3	10	426992	71	1622	1979	769194	1200000
4	2	10	472691	55	1798	0	725401	1200000
5	2	10	1056008	90	1710	0	142102	1200000
6	1	10	945317	70	0	0	254613	1200000
7	3	10	618589	100	1351	1159	578601	1200000
8	1	10	870322	96	0	0	329582	1200000
9	2	10	683589	85	1952	0	514289	1200000
10	1	10	387139	57	0	0	812804	1200000

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	3	17	286123	66	1162	1046	311471	600000

2	2	17	578105	93	1601	0	20108	600000
3	1	17	504077	73	0	0	95850	600000
4	1	17	44159	75	0	0	555766	600000
5	1	17	99092	85	0	0	500823	600000
6	1	17	513535	92	0	0	86373	600000
7	1	17	429414	79	0	0	170507	600000
8	3	17	31927	70	1364	1080	565419	600000
9	3	17	210350	58	1246	1026	387204	600000
10	3	17	289278	80	1153	1680	307649	600000
11	3	17	57010	79	1372	1983	539398	600000
12	1	17	131978	57	0	0	467965	600000
13	2	17	543032	81	1410	0	55396	600000
14	1	17	59206	50	0	0	540744	600000
15	1	17	387774	82	0	0	212144	600000
16	2	17	193224	92	1148	0	405444	600000
17	2	17	446816	77	1674	0	151356	600000
18	2	17	576941	88	1111	0	21772	600000
19	2	17	18642	63	1041	0	580191	600000
20	2	17	339080	80	1623	0	259137	600000

Type 5 #16 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	5	505360	87	1939	1902	290538	800000
2	1	5	391483	86	0	0	408431	800000
3	2	5	424109	76	1879	0	373860	800000
4	3	5	52074	88	1058	1069	745535	800000
5	2	5	163529	52	1001	0	635366	800000
6	2	5	757254	64	1877	0	40741	800000
7	1	5	598377	74	0	0	201549	800000
8	1	5	645654	58	0	0	154288	800000
9	3	5	78197	51	1325	1252	719073	800000
10	1	5	28070	87	0	0	771843	800000
11	2	5	601114	98	1529	0	197161	800000
12	3	5	758620	63	1681	1937	37573	800000
13	1	5	126750	98	0	0	673152	800000
14	2	5	56847	67	1036	0	741983	800000
15	2	5	75223	81	1318	0	723297	800000

Type 5 #17 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	17	432881	87	1257	0	197266	631578
2	2	17	307881	90	1725	0	321792	631578

3	1	17	540582	62	0	0	90934	631578
4	3	17	473947	54	1484	1094	154891	631578
5	1	17	326496	81	0	0	305001	631578
6	1	17	195805	82	0	0	435691	631578
7	3	17	134046	59	1925	1167	494263	631578
8	2	17	298305	68	1689	0	331448	631578
9	1	17	205997	77	0	0	425504	631578
10	2	17	251672	59	1384	0	378404	631578
11	1	17	151972	86	0	0	479520	631578
12	2	17	2423	57	1768	0	627273	631578
13	3	17	487467	59	1049	1141	141744	631578
14	2	17	131205	78	1162	0	499055	631578
15	2	17	393026	75	1395	0	237007	631578
16	3	17	205414	60	1727	1284	422973	631578
17	2	17	149472	87	1879	0	480053	631578
18	3	17	403335	84	1656	1882	224453	631578
19	2	17	619957	98	1422	0	10003	631578

Type 5 #18 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	7	926194	51	1717	1320	570616	1500000
2	2	7	1288646	98	1041	0	210117	1500000
3	2	7	597627	77	1309	0	900910	1500000
4	2	7	482612	84	1880	0	1015340	1500000
5	3	7	297593	86	1137	1447	1199565	1500000
6	3	7	448985	57	1188	1572	1048084	1500000
7	2	7	1374667	52	1843	0	123386	1500000
8	2	7	605744	53	1021	0	893129	1500000

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	2	16	692504	50	1039	0	639690	1333333
2	3	16	1252584	97	1314	1579	77565	1333333
3	2	16	1325543	87	1805	0	5811	1333333
4	3	16	35076	55	1079	1259	1295754	1333333
5	2	16	516024	56	1814	0	815383	1333333
6	2	16	762670	82	1630	0	568869	1333333
7	1	16	247526	59	0	0	1085748	1333333
8	2	16	165411	100	1781	0	1165941	1333333
9	2	16	861890	90	1043	0	470220	1333333

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	3	11	610914	93	1299	1636	52538	666666
2	1	11	378771	51	0	0	287844	666666
3	3	11	372150	98	1960	1368	290894	666666
4	1	11	501290	84	0	0	165292	666666
5	2	11	155864	74	1135	0	509519	666666
6	2	11	171073	75	1167	0	494276	666666
7	3	11	152912	78	1857	1496	510167	666666
8	3	11	496112	93	1802	1613	166860	666666
9	1	11	563869	78	0	0	102719	666666
10	1	11	483634	62	0	0	182970	666666
11	3	11	215550	95	1619	1022	448190	666666
12	3	11	106590	70	1403	1809	556654	666666
13	3	11	307617	60	1759	1101	356009	666666
14	2	11	576942	55	1682	0	87932	666666
15	3	11	19014	54	1589	1333	644568	666666
16	2	11	318334	75	1265	0	346917	666666
17	2	11	275718	97	1948	0	388806	666666
18	2	11	662165	76	1470	0	2879	666666

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	17	217260	81	1652	1206	446305	666666
2	1	17	330288	89	0	0	336289	666666
3	3	17	96669	57	1379	1012	567435	666666
4	1	17	556485	68	0	0	110113	666666
5	1	17	92902	63	0	0	573701	666666
6	2	17	431116	60	1038	0	234392	666666
7	2	17	178378	84	1410	0	486710	666666
8	2	17	289829	94	1613	0	375036	666666
9	1	17	604894	96	0	0	61676	666666
10	3	17	450095	73	1368	1090	213894	666666
11	1	17	106129	59	0	0	560478	666666
12	3	17	406771	80	1494	1573	256588	666666
13	3	17	545325	64	1145	1123	118881	666666
14	2	17	298474	68	1112	0	366944	666666
15	2	17	615735	83	1921	0	48844	666666
16	3	17	80321	67	1129	1678	583337	666666
17	2	17	77440	59	1588	0	587520	666666
18	1	17	96733	91	0	0	569842	666666

Type 5 #22 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	17	588042	79	0	0	78545	666666
2	1	17	152740	99	0	0	513827	666666
3	2	17	28036	77	1638	0	636838	666666
4	2	17	257333	57	1443	0	407776	666666
5	3	17	467502	84	1950	1535	195427	666666
6	1	17	153179	78	0	0	513409	666666
7	1	17	211524	72	0	0	455070	666666
8	3	17	528957	58	1923	1776	133836	666666
9	1	17	646189	57	0	0	20420	666666
10	1	17	490130	94	0	0	176442	666666
11	3	17	433421	51	1002	1854	230236	666666
12	3	17	264037	57	1815	1518	399125	666666
13	2	17	52032	73	1527	0	612961	666666
14	1	17	474694	96	0	0	191876	666666
15	3	17	110194	86	1366	1414	553434	666666
16	2	17	35238	56	1982	0	629334	666666
17	1	17	282409	80	0	0	384177	666666
18	1	17	644744	65	0	0	21857	666666

Type 5 #23 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	973384	88	0	0	359861	1333333
2	3	15	1183710	99	1952	1157	146217	1333333
3	1	15	302221	82	0	0	1031030	1333333
4	2	15	61130	66	1030	0	1271041	1333333
5	2	15	138960	58	1955	0	1192302	1333333
6	2	15	1198245	89	1927	0	132983	1333333
7	1	15	322616	77	0	0	1010640	1333333
8	3	15	123612	90	1402	1953	1206096	1333333
9	2	15	1186933	55	1068	0	145222	1333333

Type 5 #24 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	393911	76	1358	0	461721	857142
2	1	6	111874	54	0	0	745214	857142
3	1	6	221744	52	0	0	635346	857142
4	3	6	371397	68	1016	1395	483130	857142
5	1	6	635080	69	0	0	221993	857142
6	2	6	674414	75	1104	0	181474	857142

7	1	6	846407	50	0	0	10685	857142
8	2	6	810234	90	1439	0	45289	857142
9	3	6	226711	66	1502	1314	627417	857142
10	3	6	458148	73	1103	1810	395862	857142
11	1	6	435147	59	0	0	421936	857142
12	2	6	698655	86	1986	0	156329	857142
13	1	6	258357	68	0	0	598717	857142
14	2	6	449090	56	1185	0	406755	857142

Type 5 #25 5564 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	10	62398	89	1933	1370	684032	750000
2	2	10	687573	65	1773	0	60524	750000
3	3	10	339435	86	1478	1078	407751	750000
4	1	10	727326	56	0	0	22618	750000
5	2	10	598800	50	1933	0	149167	750000
6	2	10	151350	79	1354	0	597138	750000
7	1	10	432360	76	0	0	317564	750000
8	2	10	548480	90	1615	0	199725	750000
9	2	10	443126	53	1136	0	305632	750000
10	1	10	334566	73	0	0	415361	750000
11	2	10	742043	53	1087	0	6764	750000
12	2	10	170035	67	1757	0	578074	750000
13	3	10	36882	84	1816	1941	709109	750000
14	3	10	215924	65	1855	1904	530122	750000
15	3	10	342307	61	1398	1057	405055	750000
16	3	10	100296	67	1838	1336	646329	750000

Type 5 #26 5563 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	13	333026	94	0	0	524022	857142
2	1	13	103474	52	0	0	753616	857142
3	2	13	521449	50	1688	0	333905	857142
4	3	13	463991	100	1087	1232	390532	857142
5	3	13	332672	73	1882	1793	520576	857142
6	2	13	578737	93	1682	0	276537	857142
7	3	13	501028	92	1771	1353	352714	857142
8	2	13	206079	73	1163	0	649754	857142
9	3	13	621704	50	1964	1654	231670	857142
10	1	13	670732	57	0	0	186353	857142
11	1	13	35775	77	0	0	821290	857142
12	2	13	381022	53	1133	0	474881	857142

13	1	13	663394	56	0	0	193692	857142
14	1	13	219215	93	0	0	637834	857142

Type 5 #27 5561 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	402949	50	1560	1893	343448	750000
2	1	18	223019	95	0	0	526886	750000
3	1	18	383355	65	0	0	366580	750000
4	2	18	78490	73	1719	0	669645	750000
5	2	18	444152	62	1898	0	303826	750000
6	2	18	69	56	1737	0	748082	750000
7	2	18	360566	67	1907	0	387393	750000
8	1	18	414298	56	0	0	335646	750000
9	2	18	290080	80	1085	0	458675	750000
10	2	18	671115	53	1944	0	76835	750000
11	1	18	25770	66	0	0	724164	750000
12	2	18	156364	52	1638	0	591894	750000
13	3	18	669003	71	1581	1802	77401	750000
14	1	18	708524	98	0	0	41378	750000
15	3	18	513266	63	1235	1013	234297	750000
16	2	18	174994	77	1357	0	573495	750000

Type 5 #28 5564 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	1005976	93	0	0	84840	1090909
2	2	10	341151	56	1893	0	747753	1090909
3	3	10	942254	63	1604	1796	145066	1090909
4	2	10	380566	100	1314	0	708829	1090909
5	1	10	458374	75	0	0	632460	1090909
6	3	10	759544	72	1894	1142	328113	1090909
7	1	10	1034398	77	0	0	56434	1090909
8	2	10	590388	100	1949	0	498372	1090909
9	1	10	252116	90	0	0	838703	1090909
10	2	10	575598	62	1629	0	513558	1090909
11	2	10	841456	60	1085	0	248248	1090909

Type 5 #29 5560 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	20	529568	62	0	0	101948	631578
2	2	20	536442	88	1726	0	93234	631578

3	2	20	487879	94	1683	0	141828	631578
4	3	20	109586	78	1366	1270	519122	631578
5	2	20	472890	85	1365	0	157153	631578
6	2	20	444664	94	1769	0	184957	631578
7	3	20	504739	71	1053	1368	124205	631578
8	1	20	386259	94	0	0	245225	631578
9	2	20	437672	84	1884	0	191854	631578
10	2	20	252583	70	1585	0	377270	631578
11	3	20	206674	78	1656	1722	421292	631578
12	3	20	603962	59	1087	1003	25349	631578
13	1	20	287569	57	0	0	343952	631578
14	2	20	324905	65	1265	0	305278	631578
15	2	20	422065	83	1297	0	208050	631578
16	3	20	175723	61	1877	1220	452575	631578
17	3	20	208991	65	1828	1242	419322	631578
18	3	20	384785	59	1930	1863	242823	631578
19	3	20	150986	78	1424	1739	477195	631578

Type 5 #30 5564 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	11	410798	68	1068	1932	217576	631578
2	1	11	392059	94	0	0	239425	631578
3	1	11	216968	98	0	0	414512	631578
4	3	11	410406	65	1541	1085	218351	631578
5	3	11	52683	52	1586	1089	576064	631578
6	2	11	605292	82	1321	0	24801	631578
7	3	11	165957	70	1442	1344	462625	631578
8	3	11	511163	84	1277	1559	117327	631578
9	1	11	266725	69	0	0	364784	631578
10	1	11	354537	78	0	0	276963	631578
11	1	11	432973	100	0	0	198505	631578
12	3	11	625175	89	1979	1688	2469	631578
13	3	11	343119	77	1698	1660	284870	631578
14	3	11	259870	100	1276	1034	369098	631578
15	3	11	449424	54	1781	1233	178978	631578
16	3	11	342203	83	1440	1083	286603	631578
17	3	11	401459	88	1177	1758	226920	631578
18	1	11	179201	57	0	0	452320	631578
19	3	11	581597	69	1113	1433	47228	631578

Type 6 #1 [Back to Summary]

#01-5640	#02-5354	#03-5316	#04-5679	#05-5544	#06-5383	#07-5376	#08-5683	#09-5610	#10-5511
#11-5526	#12-5642	#13-5322	#14-5695	#15-5575	#16-5424	#17-5304	#18-5489	#19-5552	#20-5604
#21-5512	#22-5326	#23-5476	#24-5344	#25-5441	#26-5303	#27-5277	#28-5622	#29-5657	#30-5302
#31-5357	#32-5632	#33-5323	#34-5576	#35-5678	#36-5503	#37-5265	#38-5655	#39-5663	#40-5419
#41-5258	#42-5366	#43-5482	#44-5595	#45-5398	#46-5510	#47-5706	#48-5484	#49-5367	#50-5515
#51-5452	#52-5587	#53-5554	#54-5638	#55-5392	#56-5563	#57-5600	#58-5699	#59-5481	#60-5485
#61-5352	#62-5473	#63-5275	#64-5556	#65-5407	#66-5620	#67-5569	#68-5466	#69-5266	#70-5320
#71-5408	#72-5375	#73-5553	#74-5384	#75-5598	#76-5402	#77-5570	#78-5611	#79-5676	#80-5659
#81-5325	#82-5518	#83-5502	#84-5391	#85-5579	#86-5490	#87-5328	#88-5410	#89-5434	#90-5361
#91-5633	#92-5291	#93-5421	#94-5427	#95-5311	#96-5507	#97-5335	#98-5656	#99-5440	#100-5504

Type 6 #2 [Back to Summary]

#01-5665	#02-5482	#03-5468	#04-5293	#05-5355	#06-5327	#07-5283	#08-5421	#09-5292	#10-5715
#11-5720	#12-5717	#13-5272	#14-5555	#15-5412	#16-5562	#17-5696	#18-5607	#19-5701	#20-5638
#21-5538	#22-5410	#23-5288	#24-5625	#25-5417	#26-5363	#27-5679	#28-5379	#29-5318	#30-5342
#31-5316	#32-5640	#33-5423	#34-5427	#35-5713	#36-5568	#37-5299	#38-5464	#39-5285	#40-5502
#41-5460	#42-5632	#43-5368	#44-5447	#45-5371	#46-5635	#47-5270	#48-5588	#49-5261	#50-5484
#51-5533	#52-5455	#53-5671	#54-5524	#55-5684	#56-5506	#57-5445	#58-5569	#59-5601	#60-5718
#61-5372	#62-5627	#63-5351	#64-5674	#65-5648	#66-5330	#67-5547	#68-5574	#69-5561	#70-5565
#71-5511	#72-5486	#73-5572	#74-5451	#75-5432	#76-5629	#77-5296	#78-5567	#79-5507	#80-5501
#81-5338	#82-5343	#83-5366	#84-5560	#85-5531	#86-5590	#87-5692	#88-5619	#89-5458	#90-5457
#91-5374	#92-5452	#93-5585	#94-5290	#95-5380	#96-5549	#97-5528	#98-5408	#99-5516	#100-5286

Type 6 #3 [Back to Summary]

#01-5337	#02-5422	#03-5273	#04-5421	#05-5691	#06-5295	#07-5606	#08-5470	#09-5340	#10-5305
#11-5460	#12-5601	#13-5309	#14-5350	#15-5630	#16-5277	#17-5516	#18-5517	#19-5395	#20-5315
#21-5365	#22-5655	#23-5368	#24-5357	#25-5448	#26-5308	#27-5629	#28-5533	#29-5328	#30-5609
#31-5354	#32-5610	#33-5300	#34-5476	#35-5424	#36-5646	#37-5322	#38-5673	#39-5597	#40-5494
#41-5708	#42-5479	#43-5537	#44-5410	#45-5252	#46-5503	#47-5402	#48-5492	#49-5393	#50-5355
#51-5287	#52-5267	#53-5271	#54-5463	#55-5658	#56-5417	#57-5311	#58-5649	#59-5704	#60-5637
#61-5400	#62-5332	#63-5401	#64-5466	#65-5683	#66-5579	#67-5555	#68-5568	#69-5659	#70-5713
#71-5685	#72-5570	#73-5641	#74-5627	#75-5334	#76-5612	#77-5375	#78-5684	#79-5356	#80-5670
#81-5633	#82-5392	#83-5394	#84-5700	#85-5565	#86-5331	#87-5583	#88-5569	#89-5540	#90-5257
#91-5584	#92-5406	#93-5695	#94-5689	#95-5347	#96-5625	#97-5330	#98-5324	#99-5456	#100-5409

Type 6 #4 [Back to Summary]

#01-5674	#02-5558	#03-5556	#04-5401	#05-5392	#06-5445	#07-5350	#08-5367	#09-5373	#10-5291
#11-5288	#12-5351	#13-5545	#14-5281	#15-5724	#16-5253	#17-5663	#18-5423	#19-5615	#20-5599
#21-5715	#22-5702	#23-5272	#24-5645	#25-5379	#26-5532	#27-5598	#28-5676	#29-5530	#30-5428
#31-5527	#32-5296	#33-5481	#34-5672	#35-5720	#36-5325	#37-5555	#38-5709	#39-5553	#40-5372
#41-5700	#42-5466	#43-5447	#44-5496	#45-5690	#46-5483	#47-5579	#48-5655	#49-5686	#50-5339
#51-5688	#52-5631	#53-5433	#54-5574	#55-5408	#56-5692	#57-5531	#58-5629	#59-5274	#60-5581
#61-5565	#62-5396	#63-5552	#64-5666	#65-5480	#66-5718	#67-5589	#68-5590	#69-5285	#70-5642
#71-5416	#72-5669	#73-5580	#74-5485	#75-5613	#76-5490	#77-5498	#78-5489	#79-5673	#80-5610
#81-5671	#82-5656	#83-5710	#84-5430	#85-5449	#86-5608	#87-5571	#88-5619	#89-5501	#90-5271



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#91-5502	#92-5637	#93-5681	#94-5693	#95-5512	#96-5538	#97-5621	#98-5478	#99-5260	#100-5696
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Type 6 #5 [Back to Summary]									
#01-5614	#02-5709	#03-5622	#04-5289	#05-5644	#06-5265	#07-5300	#08-5668	#09-5682	#10-5634
#11-5438	#12-5287	#13-5680	#14-5383	#15-5628	#16-5626	#17-5411	#18-5369	#19-5462	#20-5588
#21-5385	#22-5692	#23-5331	#24-5261	#25-5389	#26-5500	#27-5716	#28-5610	#29-5689	#30-5316
#31-5585	#32-5256	#33-5486	#34-5704	#35-5252	#36-5691	#37-5294	#38-5667	#39-5518	#40-5444
#41-5563	#42-5637	#43-5664	#44-5593	#45-5553	#46-5471	#47-5687	#48-5544	#49-5317	#50-5613
#51-5391	#52-5507	#53-5288	#54-5393	#55-5556	#56-5643	#57-5620	#58-5601	#59-5619	#60-5394
#61-5275	#62-5406	#63-5702	#64-5606	#65-5298	#66-5430	#67-5517	#68-5700	#69-5377	#70-5658
#71-5577	#72-5459	#73-5562	#74-5268	#75-5276	#76-5465	#77-5273	#78-5451	#79-5423	#80-5632
#81-5528	#82-5412	#83-5543	#84-5322	#85-5647	#86-5332	#87-5695	#88-5346	#89-5390	#90-5333
#91-5318	#92-5407	#93-5299	#94-5375	#95-5424	#96-5417	#97-5660	#98-5306	#99-5550	#100-5379

Type 6 #6 [Back to Summary]									
#01-5675	#02-5714	#03-5420	#04-5375	#05-5282	#06-5650	#07-5662	#08-5269	#09-5369	#10-5344
#11-5623	#12-5425	#13-5437	#14-5716	#15-5583	#16-5584	#17-5576	#18-5632	#19-5692	#20-5689
#21-5461	#22-5429	#23-5554	#24-5301	#25-5595	#26-5433	#27-5416	#28-5448	#29-5568	#30-5582
#31-5526	#32-5695	#33-5620	#34-5295	#35-5684	#36-5540	#37-5718	#38-5421	#39-5285	#40-5722
#41-5386	#42-5670	#43-5698	#44-5297	#45-5426	#46-5610	#47-5690	#48-5304	#49-5509	#50-5551
#51-5549	#52-5277	#53-5332	#54-5586	#55-5637	#56-5489	#57-5399	#58-5365	#59-5498	#60-5566
#61-5478	#62-5463	#63-5414	#64-5503	#65-5532	#66-5652	#67-5518	#68-5382	#69-5276	#70-5288
#71-5591	#72-5397	#73-5596	#74-5696	#75-5544	#76-5505	#77-5450	#78-5506	#79-5597	#80-5705
#81-5458	#82-5357	#83-5654	#84-5261	#85-5275	#86-5494	#87-5609	#88-5283	#89-5373	#90-5438
#91-5385	#92-5598	#93-5644	#94-5434	#95-5483	#96-5646	#97-5496	#98-5439	#99-5477	#100-5492

Type 6 #7 [Back to Summary]									
#01-5341	#02-5555	#03-5274	#04-5477	#05-5690	#06-5404	#07-5408	#08-5362	#09-5289	#10-5381
#11-5292	#12-5619	#13-5499	#14-5523	#15-5360	#16-5369	#17-5537	#18-5413	#19-5483	#20-5286
#21-5295	#22-5495	#23-5258	#24-5568	#25-5627	#26-5720	#27-5484	#28-5414	#29-5460	#30-5631
#31-5259	#32-5262	#33-5279	#34-5352	#35-5617	#36-5638	#37-5343	#38-5436	#39-5302	#40-5602
#41-5347	#42-5507	#43-5719	#44-5250	#45-5406	#46-5505	#47-5356	#48-5383	#49-5331	#50-5378
#51-5373	#52-5349	#53-5688	#54-5455	#55-5464	#56-5582	#57-5554	#58-5445	#59-5586	#60-5696
#61-5652	#62-5723	#63-5633	#64-5393	#65-5376	#66-5281	#67-5595	#68-5405	#69-5636	#70-5458
#71-5278	#72-5357	#73-5367	#74-5609	#75-5671	#76-5527	#77-5506	#78-5260	#79-5424	#80-5385
#81-5623	#82-5359	#83-5330	#84-5337	#85-5522	#86-5647	#87-5304	#88-5563	#89-5625	#90-5294
#91-5339	#92-5637	#93-5581	#94-5328	#95-5680	#96-5351	#97-5600	#98-5587	#99-5608	#100-5384

Type 6 #8 [Back to Summary]									
#01-5631	#02-5679	#03-5468	#04-5601	#05-5343	#06-5262	#07-5708	#08-5332	#09-5502	#10-5659
#11-5328	#12-5537	#13-5274	#14-5452	#15-5325	#16-5543	#17-5642	#18-5542	#19-5599	#20-5454
#21-5705	#22-5285	#23-5500	#24-5590	#25-5364	#26-5374	#27-5499	#28-5283	#29-5653	#30-5572
#31-5647	#32-5637	#33-5380	#34-5292	#35-5467	#36-5666	#37-5608	#38-5448	#39-5717	#40-5495
#41-5656	#42-5691	#43-5303	#44-5683	#45-5685	#46-5520	#47-5598	#48-5372	#49-5251	#50-5385
#51-5425	#52-5304	#53-5707	#54-5399	#55-5392	#56-5591	#57-5424	#58-5597	#59-5486	#60-5695
#61-5482	#62-5672	#63-5402	#64-5650	#65-5263	#66-5413	#67-5407	#68-5706	#69-5710	#70-5383



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#71-5651	#72-5437	#73-5547	#74-5348	#75-5521	#76-5264	#77-5704	#78-5538	#79-5623	#80-5558
#81-5487	#82-5371	#83-5281	#84-5515	#85-5393	#86-5586	#87-5649	#88-5701	#89-5617	#90-5587
#91-5480	#92-5257	#93-5682	#94-5271	#95-5261	#96-5703	#97-5530	#98-5367	#99-5665	#100-5513

Type 6 #9 [Back to Summary]									
#01-5365	#02-5623	#03-5389	#04-5590	#05-5452	#06-5713	#07-5477	#08-5605	#09-5599	#10-5376
#11-5614	#12-5607	#13-5696	#14-5650	#15-5450	#16-5355	#17-5643	#18-5606	#19-5507	#20-5391
#21-5482	#22-5426	#23-5327	#24-5358	#25-5622	#26-5651	#27-5474	#28-5528	#29-5335	#30-5540
#31-5446	#32-5580	#33-5594	#34-5356	#35-5443	#36-5591	#37-5714	#38-5412	#39-5311	#40-5403
#41-5362	#42-5295	#43-5349	#44-5498	#45-5708	#46-5604	#47-5282	#48-5284	#49-5541	#50-5631
#51-5309	#52-5657	#53-5582	#54-5524	#55-5283	#56-5665	#57-5538	#58-5273	#59-5693	#60-5522
#61-5483	#62-5674	#63-5512	#64-5305	#65-5654	#66-5275	#67-5258	#68-5579	#69-5449	#70-5577
#71-5370	#72-5473	#73-5539	#74-5350	#75-5274	#76-5431	#77-5323	#78-5557	#79-5380	#80-5264
#81-5617	#82-5439	#83-5715	#84-5434	#85-5479	#86-5519	#87-5722	#88-5319	#89-5324	#90-5510
#91-5302	#92-5687	#93-5447	#94-5515	#95-5647	#96-5417	#97-5506	#98-5296	#99-5569	#100-5681

Type 6 #10 [Back to Summary]									
#01-5595	#02-5425	#03-5558	#04-5682	#05-5506	#06-5560	#07-5361	#08-5482	#09-5499	#10-5578
#11-5588	#12-5708	#13-5624	#14-5676	#15-5638	#16-5293	#17-5685	#18-5328	#19-5548	#20-5379
#21-5280	#22-5664	#23-5507	#24-5665	#25-5526	#26-5405	#27-5277	#28-5275	#29-5430	#30-5581
#31-5648	#32-5278	#33-5714	#34-5419	#35-5393	#36-5436	#37-5605	#38-5282	#39-5652	#40-5641
#41-5406	#42-5484	#43-5539	#44-5467	#45-5646	#46-5319	#47-5312	#48-5492	#49-5599	#50-5598
#51-5455	#52-5424	#53-5464	#54-5435	#55-5649	#56-5656	#57-5636	#58-5614	#59-5394	#60-5345
#61-5527	#62-5333	#63-5300	#64-5642	#65-5654	#66-5554	#67-5720	#68-5446	#69-5524	#70-5445
#71-5407	#72-5655	#73-5392	#74-5629	#75-5699	#76-5512	#77-5365	#78-5287	#79-5264	#80-5457
#81-5342	#82-5504	#83-5395	#84-5553	#85-5368	#86-5469	#87-5533	#88-5521	#89-5495	#90-5461
#91-5519	#92-5713	#93-5602	#94-5552	#95-5354	#96-5318	#97-5431	#98-5622	#99-5542	#100-5334

Type 6 #11 [Back to Summary]									
#01-5326	#02-5587	#03-5689	#04-5400	#05-5437	#06-5530	#07-5277	#08-5558	#09-5466	#10-5380
#11-5534	#12-5602	#13-5601	#14-5666	#15-5253	#16-5273	#17-5660	#18-5469	#19-5518	#20-5429
#21-5275	#22-5445	#23-5677	#24-5316	#25-5653	#26-5423	#27-5301	#28-5572	#29-5522	#30-5626
#31-5332	#32-5472	#33-5471	#34-5654	#35-5383	#36-5485	#37-5545	#38-5250	#39-5369	#40-5570
#41-5443	#42-5703	#43-5309	#44-5367	#45-5658	#46-5646	#47-5362	#48-5665	#49-5552	#50-5340
#51-5388	#52-5694	#53-5354	#54-5363	#55-5314	#56-5608	#57-5634	#58-5623	#59-5474	#60-5262
#61-5482	#62-5431	#63-5286	#64-5566	#65-5300	#66-5313	#67-5385	#68-5675	#69-5532	#70-5497
#71-5455	#72-5662	#73-5351	#74-5680	#75-5714	#76-5297	#77-5391	#78-5560	#79-5387	#80-5257
#81-5315	#82-5365	#83-5270	#84-5439	#85-5494	#86-5370	#87-5372	#88-5359	#89-5592	#90-5509
#91-5579	#92-5645	#93-5508	#94-5358	#95-5341	#96-5264	#97-5670	#98-5476	#99-5322	#100-5599

Type 6 #12 [Back to Summary]									
#01-5515	#02-5416	#03-5381	#04-5306	#05-5611	#06-5453	#07-5592	#08-5403	#09-5374	#10-5266
#11-5472	#12-5327	#13-5493	#14-5466	#15-5677	#16-5367	#17-5412	#18-5579	#19-5326	#20-5662
#21-5672	#22-5274	#23-5334	#24-5278	#25-5646	#26-5536	#27-5408	#28-5717	#29-5588	#30-5699
#31-5357	#32-5643	#33-5491	#34-5516	#35-5467	#36-5620	#37-5705	#38-5687	#39-5548	#40-5285
#41-5497	#42-5686	#43-5706	#44-5570	#45-5283	#46-5495	#47-5402	#48-5290	#49-5407	#50-5694



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#51-5575	#52-5339	#53-5389	#54-5382	#55-5647	#56-5490	#57-5332	#58-5354	#59-5387	#60-5324
#61-5296	#62-5600	#63-5543	#64-5405	#65-5633	#66-5552	#67-5563	#68-5702	#69-5723	#70-5305
#71-5390	#72-5449	#73-5276	#74-5292	#75-5422	#76-5710	#77-5294	#78-5487	#79-5719	#80-5401
#81-5379	#82-5366	#83-5561	#84-5616	#85-5372	#86-5264	#87-5509	#88-5358	#89-5591	#90-5696
#91-5537	#92-5601	#93-5553	#94-5474	#95-5713	#96-5622	#97-5398	#98-5555	#99-5659	#100-5458

Type 6 #13 [Back to Summary]

#01-5658	#02-5426	#03-5291	#04-5351	#05-5558	#06-5379	#07-5310	#08-5347	#09-5693	#10-5663
#11-5450	#12-5573	#13-5361	#14-5711	#15-5671	#16-5652	#17-5287	#18-5646	#19-5278	#20-5613
#21-5297	#22-5458	#23-5365	#24-5271	#25-5497	#26-5514	#27-5620	#28-5532	#29-5304	#30-5518
#31-5564	#32-5464	#33-5547	#34-5510	#35-5467	#36-5679	#37-5325	#38-5459	#39-5311	#40-5718
#41-5683	#42-5407	#43-5390	#44-5648	#45-5501	#46-5688	#47-5488	#48-5565	#49-5524	#50-5309
#51-5583	#52-5470	#53-5525	#54-5295	#55-5410	#56-5448	#57-5317	#58-5266	#59-5584	#60-5293
#61-5483	#62-5504	#63-5294	#64-5425	#65-5353	#66-5709	#67-5273	#68-5578	#69-5495	#70-5719
#71-5585	#72-5556	#73-5594	#74-5284	#75-5657	#76-5616	#77-5323	#78-5434	#79-5496	#80-5535
#81-5270	#82-5312	#83-5256	#84-5717	#85-5660	#86-5348	#87-5664	#88-5500	#89-5356	#90-5263
#91-5614	#92-5314	#93-5605	#94-5264	#95-5484	#96-5430	#97-5370	#98-5689	#99-5553	#100-5520

Type 6 #14 [Back to Summary]

#01-5662	#02-5639	#03-5319	#04-5529	#05-5453	#06-5277	#07-5605	#08-5487	#09-5363	#10-5521
#11-5383	#12-5603	#13-5496	#14-5297	#15-5269	#16-5426	#17-5497	#18-5302	#19-5491	#20-5255
#21-5296	#22-5503	#23-5474	#24-5480	#25-5357	#26-5531	#27-5678	#28-5578	#29-5530	#30-5478
#31-5506	#32-5354	#33-5614	#34-5706	#35-5597	#36-5359	#37-5712	#38-5449	#39-5517	#40-5634
#41-5459	#42-5422	#43-5386	#44-5558	#45-5610	#46-5259	#47-5539	#48-5561	#49-5720	#50-5310
#51-5660	#52-5312	#53-5444	#54-5549	#55-5467	#56-5410	#57-5413	#58-5570	#59-5421	#60-5657
#61-5327	#62-5280	#63-5688	#64-5613	#65-5268	#66-5279	#67-5719	#68-5519	#69-5427	#70-5640
#71-5438	#72-5293	#73-5513	#74-5587	#75-5522	#76-5598	#77-5362	#78-5649	#79-5600	#80-5345
#81-5715	#82-5369	#83-5582	#84-5464	#85-5548	#86-5436	#87-5635	#88-5315	#89-5482	#90-5428
#91-5671	#92-5392	#93-5276	#94-5588	#95-5556	#96-5429	#97-5461	#98-5504	#99-5538	#100-5581

Type 6 #15 [Back to Summary]

#01-5265	#02-5267	#03-5380	#04-5334	#05-5594	#06-5616	#07-5525	#08-5589	#09-5278	#10-5602
#11-5303	#12-5496	#13-5693	#14-5329	#15-5664	#16-5683	#17-5425	#18-5470	#19-5315	#20-5553
#21-5373	#22-5655	#23-5285	#24-5722	#25-5694	#26-5296	#27-5264	#28-5648	#29-5281	#30-5342
#31-5386	#32-5582	#33-5365	#34-5271	#35-5337	#36-5699	#37-5715	#38-5499	#39-5597	#40-5652
#41-5637	#42-5295	#43-5290	#44-5606	#45-5387	#46-5427	#47-5433	#48-5673	#49-5643	#50-5590
#51-5256	#52-5718	#53-5443	#54-5705	#55-5459	#56-5341	#57-5707	#58-5388	#59-5368	#60-5545
#61-5595	#62-5593	#63-5555	#64-5662	#65-5471	#66-5444	#67-5391	#68-5669	#69-5721	#70-5685
#71-5688	#72-5644	#73-5585	#74-5385	#75-5629	#76-5330	#77-5611	#78-5404	#79-5579	#80-5516
#81-5578	#82-5317	#83-5253	#84-5412	#85-5332	#86-5393	#87-5401	#88-5382	#89-5532	#90-5719
#91-5712	#92-5571	#93-5384	#94-5301	#95-5308	#96-5292	#97-5461	#98-5352	#99-5397	#100-5657

Type 6 #16 [Back to Summary]

#01-5286	#02-5481	#03-5678	#04-5682	#05-5626	#06-5330	#07-5372	#08-5305	#09-5318	#10-5380
#11-5444	#12-5558	#13-5515	#14-5567	#15-5683	#16-5534	#17-5596	#18-5401	#19-5586	#20-5332
#21-5295	#22-5254	#23-5386	#24-5250	#25-5700	#26-5361	#27-5519	#28-5549	#29-5329	#30-5600

#31-5598	#32-5521	#33-5264	#34-5656	#35-5486	#36-5363	#37-5366	#38-5298	#39-5506	#40-5724
#41-5267	#42-5344	#43-5314	#44-5417	#45-5532	#46-5414	#47-5322	#48-5546	#49-5347	#50-5498
#51-5426	#52-5308	#53-5489	#54-5307	#55-5621	#56-5282	#57-5354	#58-5679	#59-5709	#60-5523
#61-5542	#62-5555	#63-5702	#64-5450	#65-5508	#66-5647	#67-5550	#68-5588	#69-5335	#70-5577
#71-5427	#72-5554	#73-5624	#74-5592	#75-5317	#76-5681	#77-5667	#78-5698	#79-5448	#80-5539
#81-5289	#82-5703	#83-5458	#84-5561	#85-5430	#86-5540	#87-5284	#88-5684	#89-5288	#90-5455
#91-5263	#92-5412	#93-5319	#94-5714	#95-5440	#96-5446	#97-5370	#98-5599	#99-5633	#100-5612

Type 6 #17 [Back to Summary]									
#01-5589	#02-5460	#03-5463	#04-5495	#05-5323	#06-5597	#07-5410	#08-5624	#09-5714	#10-5660
#11-5338	#12-5372	#13-5481	#14-5417	#15-5478	#16-5560	#17-5340	#18-5392	#19-5266	#20-5691
#21-5611	#22-5585	#23-5544	#24-5601	#25-5556	#26-5261	#27-5485	#28-5633	#29-5397	#30-5599
#31-5565	#32-5322	#33-5315	#34-5562	#35-5676	#36-5550	#37-5486	#38-5688	#39-5479	#40-5553
#41-5375	#42-5384	#43-5694	#44-5351	#45-5361	#46-5617	#47-5654	#48-5622	#49-5482	#50-5602
#51-5347	#52-5697	#53-5572	#54-5664	#55-5722	#56-5252	#57-5640	#58-5581	#59-5661	#60-5307
#61-5357	#62-5501	#63-5466	#64-5363	#65-5337	#66-5264	#67-5301	#68-5643	#69-5461	#70-5649
#71-5318	#72-5380	#73-5634	#74-5433	#75-5555	#76-5469	#77-5616	#78-5437	#79-5484	#80-5669
#81-5329	#82-5584	#83-5394	#84-5518	#85-5496	#86-5593	#87-5468	#88-5376	#89-5561	#90-5675
#91-5638	#92-5625	#93-5274	#94-5416	#95-5440	#96-5594	#97-5641	#98-5570	#99-5259	#100-5345

Type 6 #18 [Back to Summary]									
#01-5559	#02-5260	#03-5403	#04-5561	#05-5529	#06-5696	#07-5309	#08-5388	#09-5351	#10-5499
#11-5360	#12-5450	#13-5350	#14-5719	#15-5703	#16-5496	#17-5359	#18-5674	#19-5594	#20-5471
#21-5514	#22-5651	#23-5325	#24-5521	#25-5261	#26-5422	#27-5354	#28-5464	#29-5714	#30-5687
#31-5562	#32-5290	#33-5432	#34-5386	#35-5357	#36-5322	#37-5439	#38-5565	#39-5717	#40-5528
#41-5539	#42-5335	#43-5276	#44-5315	#45-5568	#46-5441	#47-5526	#48-5280	#49-5446	#50-5672
#51-5490	#52-5685	#53-5707	#54-5515	#55-5566	#56-5632	#57-5655	#58-5608	#59-5550	#60-5358
#61-5593	#62-5574	#63-5399	#64-5385	#65-5662	#66-5314	#67-5267	#68-5689	#69-5613	#70-5628
#71-5307	#72-5520	#73-5680	#74-5316	#75-5656	#76-5426	#77-5622	#78-5258	#79-5679	#80-5544
#81-5619	#82-5324	#83-5271	#84-5289	#85-5451	#86-5596	#87-5306	#88-5640	#89-5546	#90-5449
#91-5393	#92-5553	#93-5259	#94-5609	#95-5658	#96-5692	#97-5659	#98-5611	#99-5378	#100-5489

Type 6 #19 [Back to Summary]									
#01-5420	#02-5559	#03-5392	#04-5537	#05-5615	#06-5690	#07-5254	#08-5641	#09-5578	#10-5382
#11-5259	#12-5648	#13-5650	#14-5252	#15-5459	#16-5516	#17-5548	#18-5358	#19-5663	#20-5317
#21-5262	#22-5351	#23-5393	#24-5414	#25-5490	#26-5481	#27-5513	#28-5324	#29-5384	#30-5694
#31-5491	#32-5261	#33-5608	#34-5439	#35-5377	#36-5314	#37-5657	#38-5461	#39-5402	#40-5487
#41-5594	#42-5391	#43-5312	#44-5419	#45-5445	#46-5472	#47-5632	#48-5260	#49-5403	#50-5394
#51-5396	#52-5557	#53-5681	#54-5309	#55-5493	#56-5321	#57-5424	#58-5708	#59-5298	#60-5385
#61-5434	#62-5659	#63-5518	#64-5614	#65-5622	#66-5723	#67-5289	#68-5467	#69-5602	#70-5399
#71-5589	#72-5340	#73-5687	#74-5432	#75-5455	#76-5596	#77-5287	#78-5702	#79-5697	#80-5273
#81-5576	#82-5510	#83-5649	#84-5717	#85-5552	#86-5664	#87-5305	#88-5547	#89-5677	#90-5307
#91-5621	#92-5674	#93-5412	#94-5268	#95-5310	#96-5661	#97-5604	#98-5431	#99-5523	#100-5447

Type 6 #20 [Back to Summary]									
#01-5429	#02-5418	#03-5382	#04-5253	#05-5530	#06-5302	#07-5593	#08-5502	#09-5587	#10-5618



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#11-5283	#12-5443	#13-5260	#14-5278	#15-5537	#16-5650	#17-5258	#18-5518	#19-5313	#20-5683
#21-5669	#22-5468	#23-5509	#24-5545	#25-5499	#26-5639	#27-5656	#28-5671	#29-5369	#30-5512
#31-5712	#32-5583	#33-5427	#34-5500	#35-5566	#36-5403	#37-5370	#38-5644	#39-5436	#40-5495
#41-5321	#42-5531	#43-5688	#44-5311	#45-5275	#46-5428	#47-5665	#48-5383	#49-5455	#50-5385
#51-5654	#52-5340	#53-5365	#54-5567	#55-5498	#56-5690	#57-5633	#58-5565	#59-5477	#60-5615
#61-5368	#62-5647	#63-5380	#64-5323	#65-5628	#66-5421	#67-5263	#68-5480	#69-5437	#70-5377
#71-5528	#72-5336	#73-5329	#74-5541	#75-5611	#76-5390	#77-5507	#78-5449	#79-5522	#80-5318
#81-5701	#82-5524	#83-5464	#84-5710	#85-5586	#86-5623	#87-5466	#88-5594	#89-5252	#90-5605
#91-5492	#92-5535	#93-5411	#94-5552	#95-5372	#96-5396	#97-5395	#98-5616	#99-5404	#100-5579

Type 6 #21 [Back to Summary]									
#01-5417	#02-5433	#03-5672	#04-5326	#05-5584	#06-5565	#07-5260	#08-5555	#09-5678	#10-5361
#11-5431	#12-5438	#13-5296	#14-5408	#15-5642	#16-5576	#17-5434	#18-5397	#19-5467	#20-5257
#21-5682	#22-5394	#23-5481	#24-5558	#25-5609	#26-5720	#27-5647	#28-5507	#29-5406	#30-5464
#31-5715	#32-5617	#33-5291	#34-5665	#35-5625	#36-5514	#37-5572	#38-5382	#39-5371	#40-5267
#41-5610	#42-5635	#43-5637	#44-5614	#45-5420	#46-5308	#47-5484	#48-5255	#49-5629	#50-5524
#51-5691	#52-5723	#53-5392	#54-5393	#55-5618	#56-5273	#57-5680	#58-5360	#59-5445	#60-5585
#61-5643	#62-5477	#63-5390	#64-5463	#65-5365	#66-5536	#67-5388	#68-5349	#69-5506	#70-5372
#71-5251	#72-5295	#73-5275	#74-5451	#75-5368	#76-5297	#77-5488	#78-5587	#79-5383	#80-5549
#81-5491	#82-5645	#83-5601	#84-5606	#85-5500	#86-5716	#87-5470	#88-5620	#89-5298	#90-5602
#91-5557	#92-5457	#93-5670	#94-5512	#95-5343	#96-5377	#97-5492	#98-5422	#99-5498	#100-5607

Type 6 #22 [Back to Summary]									
#01-5638	#02-5378	#03-5473	#04-5502	#05-5524	#06-5645	#07-5701	#08-5675	#09-5275	#10-5574
#11-5512	#12-5342	#13-5706	#14-5617	#15-5352	#16-5251	#17-5599	#18-5511	#19-5690	#20-5377
#21-5318	#22-5497	#23-5308	#24-5626	#25-5541	#26-5517	#27-5351	#28-5483	#29-5347	#30-5715
#31-5530	#32-5307	#33-5339	#34-5498	#35-5634	#36-5359	#37-5418	#38-5350	#39-5332	#40-5579
#41-5266	#42-5520	#43-5593	#44-5444	#45-5340	#46-5464	#47-5476	#48-5296	#49-5410	#50-5349
#51-5508	#52-5700	#53-5455	#54-5371	#55-5545	#56-5391	#57-5317	#58-5575	#59-5684	#60-5255
#61-5548	#62-5463	#63-5582	#64-5285	#65-5294	#66-5454	#67-5254	#68-5457	#69-5711	#70-5721
#71-5563	#72-5503	#73-5430	#74-5367	#75-5366	#76-5532	#77-5636	#78-5595	#79-5542	#80-5325
#81-5290	#82-5303	#83-5330	#84-5252	#85-5461	#86-5561	#87-5586	#88-5696	#89-5685	#90-5496
#91-5287	#92-5578	#93-5396	#94-5333	#95-5286	#96-5535	#97-5668	#98-5562	#99-5405	#100-5616

Type 6 #23 [Back to Summary]									
#01-5462	#02-5271	#03-5314	#04-5413	#05-5515	#06-5254	#07-5524	#08-5345	#09-5256	#10-5265
#11-5482	#12-5457	#13-5287	#14-5611	#15-5689	#16-5491	#17-5387	#18-5578	#19-5556	#20-5469
#21-5604	#22-5283	#23-5497	#24-5464	#25-5684	#26-5712	#27-5363	#28-5351	#29-5328	#30-5563
#31-5586	#32-5329	#33-5441	#34-5652	#35-5592	#36-5272	#37-5716	#38-5643	#39-5463	#40-5453
#41-5286	#42-5488	#43-5693	#44-5671	#45-5268	#46-5558	#47-5539	#48-5508	#49-5369	#50-5527
#51-5394	#52-5343	#53-5253	#54-5658	#55-5262	#56-5432	#57-5506	#58-5580	#59-5452	#60-5532
#61-5622	#62-5421	#63-5270	#64-5420	#65-5407	#66-5404	#67-5269	#68-5362	#69-5277	#70-5670
#71-5504	#72-5474	#73-5367	#74-5353	#75-5438	#76-5372	#77-5318	#78-5555	#79-5450	#80-5382
#81-5429	#82-5590	#83-5709	#84-5538	#85-5422	#86-5500	#87-5325	#88-5519	#89-5646	#90-5410
#91-5502	#92-5393	#93-5444	#94-5665	#95-5572	#96-5597	#97-5476	#98-5534	#99-5528	#100-5601



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Type 6 #24 [Back to Summary]									
#01-5541	#02-5428	#03-5486	#04-5421	#05-5275	#06-5650	#07-5704	#08-5628	#09-5472	#10-5618
#11-5367	#12-5680	#13-5379	#14-5326	#15-5352	#16-5287	#17-5440	#18-5465	#19-5253	#20-5640
#21-5330	#22-5485	#23-5445	#24-5588	#25-5426	#26-5358	#27-5280	#28-5430	#29-5517	#30-5575
#31-5624	#32-5519	#33-5281	#34-5582	#35-5561	#36-5719	#37-5343	#38-5537	#39-5504	#40-5494
#41-5514	#42-5416	#43-5285	#44-5270	#45-5291	#46-5542	#47-5259	#48-5363	#49-5562	#50-5527
#51-5398	#52-5254	#53-5523	#54-5606	#55-5511	#56-5311	#57-5711	#58-5629	#59-5721	#60-5647
#61-5621	#62-5529	#63-5369	#64-5630	#65-5720	#66-5579	#67-5654	#68-5524	#69-5489	#70-5359
#71-5671	#72-5631	#73-5686	#74-5481	#75-5378	#76-5638	#77-5446	#78-5418	#79-5551	#80-5613
#81-5345	#82-5646	#83-5595	#84-5713	#85-5422	#86-5616	#87-5723	#88-5401	#89-5319	#90-5497
#91-5258	#92-5443	#93-5539	#94-5584	#95-5596	#96-5707	#97-5302	#98-5382	#99-5276	#100-5434

Type 6 #25 [Back to Summary]									
#01-5611	#02-5459	#03-5593	#04-5446	#05-5578	#06-5492	#07-5292	#08-5281	#09-5472	#10-5599
#11-5585	#12-5538	#13-5323	#14-5356	#15-5545	#16-5701	#17-5656	#18-5375	#19-5447	#20-5350
#21-5579	#22-5494	#23-5451	#24-5716	#25-5348	#26-5473	#27-5337	#28-5351	#29-5617	#30-5392
#31-5584	#32-5311	#33-5397	#34-5364	#35-5253	#36-5618	#37-5299	#38-5400	#39-5388	#40-5661
#41-5575	#42-5691	#43-5660	#44-5449	#45-5642	#46-5442	#47-5372	#48-5432	#49-5288	#50-5625
#51-5304	#52-5653	#53-5664	#54-5649	#55-5577	#56-5367	#57-5257	#58-5603	#59-5345	#60-5357
#61-5408	#62-5671	#63-5396	#64-5328	#65-5264	#66-5523	#67-5398	#68-5687	#69-5354	#70-5658
#71-5650	#72-5510	#73-5715	#74-5516	#75-5502	#76-5613	#77-5558	#78-5255	#79-5322	#80-5631
#81-5352	#82-5632	#83-5309	#84-5718	#85-5335	#86-5659	#87-5382	#88-5477	#89-5509	#90-5608
#91-5602	#92-5425	#93-5297	#94-5278	#95-5505	#96-5635	#97-5547	#98-5571	#99-5435	#100-5373

Type 6 #26 [Back to Summary]									
#01-5302	#02-5413	#03-5330	#04-5359	#05-5697	#06-5523	#07-5660	#08-5396	#09-5400	#10-5691
#11-5532	#12-5251	#13-5529	#14-5443	#15-5255	#16-5498	#17-5606	#18-5402	#19-5719	#20-5332
#21-5393	#22-5643	#23-5429	#24-5469	#25-5300	#26-5480	#27-5460	#28-5683	#29-5262	#30-5591
#31-5316	#32-5708	#33-5549	#34-5678	#35-5579	#36-5662	#37-5552	#38-5675	#39-5271	#40-5538
#41-5721	#42-5706	#43-5324	#44-5540	#45-5329	#46-5603	#47-5616	#48-5581	#49-5277	#50-5258
#51-5281	#52-5398	#53-5583	#54-5354	#55-5699	#56-5383	#57-5710	#58-5586	#59-5309	#60-5470
#61-5317	#62-5698	#63-5385	#64-5530	#65-5625	#66-5546	#67-5431	#68-5571	#69-5587	#70-5315
#71-5666	#72-5649	#73-5380	#74-5432	#75-5339	#76-5414	#77-5566	#78-5610	#79-5387	#80-5423
#81-5580	#82-5599	#83-5654	#84-5254	#85-5557	#86-5639	#87-5372	#88-5447	#89-5702	#90-5448
#91-5674	#92-5685	#93-5617	#94-5516	#95-5472	#96-5270	#97-5567	#98-5509	#99-5634	#100-5499

Type 6 #27 [Back to Summary]									
#01-5424	#02-5294	#03-5720	#04-5685	#05-5311	#06-5351	#07-5266	#08-5405	#09-5267	#10-5542
#11-5539	#12-5350	#13-5453	#14-5612	#15-5610	#16-5441	#17-5295	#18-5382	#19-5696	#20-5708
#21-5427	#22-5709	#23-5594	#24-5392	#25-5363	#26-5705	#27-5283	#28-5580	#29-5678	#30-5317
#31-5561	#32-5304	#33-5694	#34-5605	#35-5721	#36-5535	#37-5601	#38-5692	#39-5662	#40-5462
#41-5623	#42-5690	#43-5428	#44-5412	#45-5629	#46-5573	#47-5485	#48-5257	#49-5636	#50-5284
#51-5698	#52-5444	#53-5540	#54-5649	#55-5331	#56-5439	#57-5422	#58-5574	#59-5567	#60-5328
#61-5318	#62-5408	#63-5448	#64-5670	#65-5701	#66-5484	#67-5374	#68-5563	#69-5611	#70-5321
#71-5553	#72-5322	#73-5436	#74-5483	#75-5334	#76-5456	#77-5526	#78-5431	#79-5482	#80-5506
#81-5471	#82-5274	#83-5661	#84-5644	#85-5341	#86-5368	#87-5486	#88-5291	#89-5523	#90-5529

#91-5364	#92-5273	#93-5375	#94-5589	#95-5395	#96-5469	#97-5501	#98-5479	#99-5434	#100-5397
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Type 6 #28 [Back to Summary]									
#01-5453	#02-5643	#03-5367	#04-5568	#05-5448	#06-5629	#07-5257	#08-5311	#09-5572	#10-5602
#11-5634	#12-5718	#13-5346	#14-5316	#15-5581	#16-5291	#17-5469	#18-5523	#19-5585	#20-5584
#21-5252	#22-5333	#23-5294	#24-5337	#25-5682	#26-5534	#27-5674	#28-5569	#29-5342	#30-5592
#31-5680	#32-5303	#33-5722	#34-5338	#35-5305	#36-5549	#37-5632	#38-5352	#39-5447	#40-5435
#41-5365	#42-5422	#43-5446	#44-5650	#45-5621	#46-5376	#47-5655	#48-5307	#49-5258	#50-5358
#51-5721	#52-5700	#53-5615	#54-5570	#55-5398	#56-5375	#57-5598	#58-5282	#59-5610	#60-5639
#61-5681	#62-5412	#63-5696	#64-5705	#65-5646	#66-5573	#67-5719	#68-5263	#69-5264	#70-5280
#71-5388	#72-5378	#73-5327	#74-5405	#75-5477	#76-5550	#77-5607	#78-5374	#79-5440	#80-5553
#81-5603	#82-5613	#83-5556	#84-5709	#85-5587	#86-5701	#87-5413	#88-5400	#89-5663	#90-5656
#91-5675	#92-5590	#93-5460	#94-5524	#95-5478	#96-5671	#97-5449	#98-5464	#99-5250	#100-5290

Type 6 #29 [Back to Summary]									
#01-5376	#02-5641	#03-5295	#04-5702	#05-5694	#06-5599	#07-5623	#08-5466	#09-5349	#10-5561
#11-5483	#12-5478	#13-5570	#14-5301	#15-5280	#16-5315	#17-5571	#18-5710	#19-5363	#20-5667
#21-5420	#22-5572	#23-5322	#24-5329	#25-5327	#26-5509	#27-5635	#28-5515	#29-5645	#30-5522
#31-5358	#32-5397	#33-5371	#34-5398	#35-5435	#36-5690	#37-5569	#38-5587	#39-5265	#40-5717
#41-5330	#42-5666	#43-5296	#44-5353	#45-5426	#46-5450	#47-5276	#48-5411	#49-5504	#50-5417
#51-5356	#52-5468	#53-5354	#54-5306	#55-5597	#56-5532	#57-5574	#58-5691	#59-5627	#60-5439
#61-5688	#62-5362	#63-5547	#64-5551	#65-5458	#66-5338	#67-5364	#68-5429	#69-5596	#70-5313
#71-5474	#72-5709	#73-5693	#74-5375	#75-5591	#76-5482	#77-5526	#78-5695	#79-5630	#80-5605
#81-5484	#82-5479	#83-5259	#84-5485	#85-5418	#86-5619	#87-5289	#88-5309	#89-5528	#90-5633
#91-5373	#92-5607	#93-5683	#94-5554	#95-5273	#96-5696	#97-5372	#98-5470	#99-5621	#100-5334

Type 6 #30 [Back to Summary]									
#01-5338	#02-5578	#03-5539	#04-5437	#05-5670	#06-5370	#07-5495	#08-5706	#09-5442	#10-5365
#11-5253	#12-5600	#13-5311	#14-5273	#15-5680	#16-5463	#17-5348	#18-5317	#19-5386	#20-5564
#21-5294	#22-5298	#23-5625	#24-5688	#25-5668	#26-5590	#27-5274	#28-5392	#29-5347	#30-5620
#31-5361	#32-5305	#33-5327	#34-5546	#35-5516	#36-5630	#37-5662	#38-5549	#39-5534	#40-5297
#41-5377	#42-5315	#43-5596	#44-5414	#45-5628	#46-5497	#47-5543	#48-5663	#49-5602	#50-5537
#51-5595	#52-5303	#53-5341	#54-5309	#55-5288	#56-5289	#57-5682	#58-5576	#59-5491	#60-5334
#61-5355	#62-5366	#63-5614	#64-5550	#65-5258	#66-5678	#67-5523	#68-5490	#69-5483	#70-5304
#71-5524	#72-5522	#73-5507	#74-5342	#75-5445	#76-5709	#77-5431	#78-5467	#79-5316	#80-5427
#81-5296	#82-5343	#83-5515	#84-5535	#85-5271	#86-5310	#87-5695	#88-5265	#89-5508	#90-5476
#91-5676	#92-5346	#93-5313	#94-5459	#95-5677	#96-5263	#97-5433	#98-5300	#99-5410	#100-5681

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	1	19	755028	63	0	0	167985	923076
2	3	19	105121	65	1037	1766	814957	923076
3	1	19	37035	72	0	0	885969	923076
4	3	19	201203	53	1626	1660	718428	923076
5	1	19	340256	50	0	0	582770	923076
6	2	19	209418	93	1943	0	711529	923076
7	3	19	604166	56	1641	1587	315514	923076
8	1	19	534476	84	0	0	388516	923076
9	2	19	664907	57	1545	0	256510	923076
10	2	19	305364	75	1023	0	616539	923076
11	2	19	158716	82	1475	0	762721	923076
12	3	19	803869	66	1023	1953	116033	923076
13	2	19	904886	95	1539	0	16461	923076

Type 5 #2 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	92425	54	1571	1068	536352	631578
2	2	11	46712	98	1116	0	583554	631578
3	3	11	260976	88	1340	1659	367339	631578
4	1	11	458708	66	0	0	172804	631578
5	2	11	4259	85	1147	0	626002	631578
6	3	11	304323	87	1821	1654	323519	631578
7	2	11	3473	54	1794	0	626203	631578
8	1	11	315102	68	0	0	316408	631578
9	3	11	488182	54	1036	1292	140906	631578
10	2	11	471338	66	1526	0	158582	631578
11	1	11	160601	91	0	0	470886	631578
12	2	11	131213	71	1805	0	498418	631578
13	3	11	218517	56	1463	1559	409871	631578
14	3	11	401745	77	1266	1059	227277	631578
15	1	11	317339	77	0	0	314162	631578
16	3	11	264108	93	1199	1232	364760	631578
17	1	11	270884	61	0	0	360633	631578
18	2	11	367033	71	1540	0	262863	631578
19	1	11	451693	95	0	0	179790	631578

Type 5 #3 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
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								Length usec
1	1	6	84726	52	0	0	621104	705882
2	1	6	657632	96	0	0	48154	705882
3	3	6	596194	86	1569	1606	106255	705882
4	2	6	114477	92	1240	0	589981	705882
5	3	6	9442	63	1005	1249	693997	705882
6	3	6	134145	58	1831	1869	567863	705882
7	1	6	232534	74	0	0	473274	705882
8	2	6	367378	92	1102	0	337218	705882
9	2	6	9151	74	1788	0	694795	705882
10	3	6	268485	82	1125	1347	434679	705882
11	2	6	18235	77	1031	0	686462	705882
12	3	6	309340	100	1106	1354	393782	705882
13	1	6	294076	94	0	0	411712	705882
14	1	6	1261	55	0	0	704566	705882
15	1	6	454112	57	0	0	251713	705882
16	1	6	665658	89	0	0	40135	705882
17	2	6	341458	66	1120	0	363172	705882

Type 5 #4 5496 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	10	921287	78	0	0	1711	923076
2	1	10	396149	90	0	0	526837	923076
3	3	10	559063	90	1597	1567	360579	923076
4	2	10	829178	50	1243	0	92555	923076
5	3	10	722760	52	1808	1864	196488	923076
6	1	10	196899	84	0	0	726093	923076
7	2	10	727805	89	1803	0	193290	923076
8	1	10	130986	72	0	0	792018	923076
9	2	10	279924	93	1344	0	641622	923076
10	1	10	546674	94	0	0	376308	923076
11	2	10	832294	57	1843	0	88825	923076
12	3	10	289977	86	1266	1495	630080	923076
13	1	10	921068	92	0	0	1916	923076

Type 5 #5 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	187625	96	1833	0	441928	631578
2	1	16	319402	69	0	0	312107	631578
3	3	16	514308	83	1030	1644	114347	631578
4	2	16	606469	56	1874	0	23123	631578
5	2	16	587641	86	1748	0	42017	631578

6	3	16	85953	88	1347	1130	542884	631578
7	1	16	32936	94	0	0	598548	631578
8	1	16	382665	50	0	0	248863	631578
9	3	16	414122	66	1562	1991	213705	631578
10	1	16	114154	59	0	0	517365	631578
11	3	16	137412	71	1141	1708	491104	631578
12	3	16	188171	57	1973	1171	440092	631578
13	1	16	364982	79	0	0	266517	631578
14	2	16	366151	58	1793	0	263518	631578
15	2	16	403825	99	1268	0	226287	631578
16	3	16	329154	87	1766	1202	299195	631578
17	3	16	230162	58	1285	1344	398613	631578
18	3	16	618573	82	1380	1081	10298	631578
19	1	16	625756	68	0	0	5754	631578

Type 5 #6 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	269436	74	1453	0	652039	923076
2	1	15	359656	63	0	0	563357	923076
3	3	15	265338	71	1064	1423	655038	923076
4	2	15	146970	79	1219	0	774729	923076
5	3	15	40266	75	1323	1986	879276	923076
6	2	15	118776	99	1479	0	802623	923076
7	3	15	821584	56	1191	1567	98566	923076
8	1	15	346750	53	0	0	576273	923076
9	2	15	880311	85	1266	0	41329	923076
10	3	15	786308	70	1701	1853	133004	923076
11	3	15	430724	62	1880	1101	489185	923076
12	2	15	428228	62	1929	0	492795	923076
13	1	15	867374	82	0	0	55620	923076

Type 5 #7 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	52137	89	1368	0	869393	923076
2	2	7	249249	65	1094	0	672603	923076
3	2	7	821740	77	1275	0	99907	923076
4	1	7	391588	73	0	0	531415	923076
5	2	7	897089	92	1714	0	24089	923076
6	2	7	660928	81	1876	0	260110	923076
7	1	7	336544	60	0	0	586472	923076
8	3	7	97673	59	1452	1511	822263	923076
9	1	7	894219	66	0	0	28791	923076

10	1	7	339556	92	0	0	583428	923076
11	3	7	75994	52	1921	1844	843161	923076
12	3	7	131032	66	1877	1697	788272	923076
13	2	7	803616	78	1281	0	118023	923076

Type 5 #8 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	11	472768	58	1532	1380	230028	705882
2	3	11	103340	53	1134	1169	600080	705882
3	3	11	283478	90	1246	1365	419523	705882
4	2	11	107747	65	1756	0	596249	705882
5	3	11	676836	75	1044	1776	26001	705882
6	2	11	431368	66	1800	0	272582	705882
7	1	11	496542	84	0	0	209256	705882
8	3	11	684792	83	1130	1626	18085	705882
9	1	11	411513	70	0	0	294299	705882
10	2	11	128641	85	1014	0	576057	705882
11	2	11	605379	84	1685	0	98650	705882
12	3	11	404352	56	1896	1650	297816	705882
13	3	11	404491	73	1186	1356	298630	705882
14	1	11	520635	78	0	0	185169	705882
15	1	11	127584	56	0	0	578242	705882
16	2	11	333565	54	1731	0	370478	705882
17	1	11	436666	77	0	0	269139	705882

Type 5 #9 5521 [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	633437	88	1480	0	287983	923076
2	1	18	885406	86	0	0	37584	923076
3	3	18	410872	52	1643	1452	508953	923076
4	1	18	774990	78	0	0	148008	923076
5	2	18	163110	90	1397	0	758389	923076
6	3	18	392683	51	1293	1840	527107	923076
7	1	18	689868	96	0	0	233112	923076
8	3	18	50631	100	1701	1614	868830	923076
9	3	18	577978	94	1773	1287	341756	923076
10	1	18	212467	70	0	0	710539	923076
11	2	18	19769	80	1817	0	901330	923076
12	1	18	626838	52	0	0	296186	923076
13	2	18	490675	92	1880	0	430337	923076

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	2	12	699631	97	1662	0	498513	1200000
2	3	12	1123685	81	1415	1754	72903	1200000
3	3	12	123387	84	1452	1046	1073863	1200000
4	2	12	476746	86	1690	0	721392	1200000
5	3	12	288258	76	1223	1900	908391	1200000
6	2	12	235424	64	1574	0	962874	1200000
7	3	12	615528	83	1442	1944	580837	1200000
8	1	12	660946	82	0	0	538972	1200000
9	2	12	100071	86	1938	0	1097819	1200000
10	2	12	1178422	51	1027	0	20449	1200000

Type 5 #11 5523 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	13	848686	79	1384	1797	481229	1333333
2	2	13	806012	85	1962	0	525189	1333333
3	3	13	391828	53	1979	1623	937744	1333333
4	3	13	341809	73	1794	1286	988225	1333333
5	3	13	910167	79	1264	1011	420654	1333333
6	1	13	1058538	74	0	0	274721	1333333
7	2	13	1119331	92	1523	0	212295	1333333
8	1	13	318280	92	0	0	1014961	1333333
9	1	13	460220	64	0	0	873049	1333333

Type 5 #12 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	10	352151	68	1274	0	737348	1090909
2	2	10	161765	60	1197	0	927827	1090909
3	1	10	178952	90	0	0	911867	1090909
4	3	10	495708	80	1148	1100	592713	1090909
5	3	10	1054971	82	1629	1047	33016	1090909
6	3	10	240874	62	1306	1428	847115	1090909
7	3	10	908676	57	1908	1437	178717	1090909
8	1	10	974107	81	0	0	116721	1090909
9	1	10	503892	50	0	0	586967	1090909
10	3	10	282115	86	1448	1362	805726	1090909
11	2	10	794253	89	1571	0	294907	1090909

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	1	19	513283	55	0	0	86662	600000
2	1	19	238037	63	0	0	361900	600000
3	1	19	496814	95	0	0	103091	600000
4	3	19	595369	72	1611	1825	979	600000
5	1	19	597583	90	0	0	2327	600000
6	3	19	423856	78	1150	1581	173179	600000
7	3	19	582	64	1846	1872	595508	600000
8	1	19	365855	96	0	0	234049	600000
9	3	19	214368	73	1989	1967	381457	600000
10	2	19	70077	98	1704	0	528023	600000
11	2	19	107829	79	1359	0	490654	600000
12	3	19	349264	60	1317	1238	248001	600000
13	1	19	20763	88	0	0	579149	600000
14	1	19	520532	65	0	0	79403	600000
15	2	19	111302	85	1395	0	487133	600000
16	3	19	37823	91	1977	1871	558056	600000
17	1	19	355975	94	0	0	243931	600000
18	2	19	285898	85	1487	0	312445	600000
19	1	19	114946	90	0	0	484964	600000
20	3	19	52519	61	1218	1237	544843	600000

Type 5 #14 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	11	1345090	60	0	0	154850	1500000
2	2	11	261922	99	1333	0	1236547	1500000
3	2	11	1274674	86	1688	0	223466	1500000
4	2	11	1218497	78	1022	0	280325	1500000
5	2	11	1438913	55	1204	0	59773	1500000
6	2	11	183007	78	1432	0	1315405	1500000
7	3	11	847375	70	1039	1522	649854	1500000
8	2	11	125470	65	1381	0	1373019	1500000

Type 5 #15 5523 [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	633483	85	0	0	223574	857142
2	1	13	349332	54	0	0	507756	857142
3	1	13	184178	90	0	0	672874	857142
4	2	13	658089	91	1538	0	197333	857142
5	1	13	142298	55	0	0	714789	857142
6	3	13	506631	64	1842	1254	347223	857142

7	3	13	375288	57	1392	1187	479104	857142
8	3	13	599525	74	1738	1029	254628	857142
9	1	13	730650	50	0	0	126442	857142
10	3	13	466510	88	1098	1966	387304	857142
11	3	13	311766	97	1713	1291	542081	857142
12	1	13	415056	70	0	0	442016	857142
13	2	13	795469	75	1297	0	60226	857142
14	2	13	273089	84	1776	0	582109	857142

Type 5 #16 5522 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	15	62284	56	0	0	604326	666666
2	1	15	122106	84	0	0	544476	666666
3	1	15	519045	73	0	0	147548	666666
4	2	15	77443	79	1400	0	587665	666666
5	3	15	613710	58	1809	1717	49256	666666
6	1	15	333968	53	0	0	332645	666666
7	3	15	329922	87	1397	1556	333530	666666
8	1	15	594108	66	0	0	72492	666666
9	3	15	10076	66	1852	1202	653338	666666
10	2	15	585602	57	1900	0	79050	666666
11	3	15	655851	74	1405	1482	7706	666666
12	3	15	553972	59	1213	1372	109932	666666
13	1	15	560616	66	0	0	105984	666666
14	3	15	296908	68	1280	1382	366892	666666
15	2	15	403579	65	1574	0	261383	666666
16	2	15	114283	93	1448	0	550749	666666
17	1	15	181774	81	0	0	484811	666666
18	3	15	84469	53	1679	1510	578849	666666

Type 5 #17 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	19	605205	58	1579	1773	141269	750000
2	2	19	681321	74	1033	0	67498	750000
3	1	19	254228	69	0	0	495703	750000
4	3	19	202766	68	1851	1702	543477	750000
5	1	19	516651	93	0	0	233256	750000
6	3	19	373674	55	1145	1706	373310	750000
7	1	19	696216	82	0	0	53702	750000
8	3	19	9764	94	1237	1552	737165	750000
9	2	19	426526	62	1884	0	321466	750000
10	1	19	732875	97	0	0	17028	750000

11	1	19	89798	98	0	0	660104	750000
12	2	19	64294	76	1329	0	684225	750000
13	3	19	455843	85	1462	1767	290673	750000
14	3	19	670985	73	1651	1406	75739	750000
15	1	19	407808	65	0	0	342127	750000
16	3	19	478695	97	1964	1659	267391	750000

Type 5 #18 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	9	90894	56	1415	0	707579	800000
2	1	9	441262	85	0	0	358653	800000
3	3	9	381891	56	1273	1336	415332	800000
4	2	9	519385	56	1078	0	279425	800000
5	2	9	291822	79	1917	0	506103	800000
6	1	9	411349	99	0	0	388552	800000
7	1	9	46559	51	0	0	753390	800000
8	2	9	257910	97	1527	0	540369	800000
9	3	9	696491	99	1595	1751	99866	800000
10	3	9	520282	85	1322	1012	277129	800000
11	1	9	723297	83	0	0	76620	800000
12	3	9	13360	98	1207	1832	783307	800000
13	1	9	355829	75	0	0	444096	800000
14	3	9	758823	89	1215	1795	37900	800000
15	2	9	43789	90	1295	0	754736	800000

Type 5 #19 5521 [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	452536	52	1862	1873	293573	750000
2	1	17	240679	84	0	0	509237	750000
3	1	17	593490	67	0	0	156443	750000
4	1	17	68870	82	0	0	681048	750000
5	1	17	634056	74	0	0	115870	750000
6	1	17	268332	55	0	0	481613	750000
7	3	17	34980	93	1211	1365	712165	750000
8	1	17	337320	62	0	0	412618	750000
9	1	17	134221	79	0	0	615700	750000
10	1	17	473917	56	0	0	276027	750000
11	2	17	716048	73	1529	0	32277	750000
12	1	17	578192	51	0	0	171757	750000
13	1	17	626954	62	0	0	122984	750000
14	3	17	341489	72	1025	1925	405345	750000
15	2	17	393048	58	1112	0	355724	750000

16	2	17	520572	83	1382	0	227880	750000
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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	262378	92	1414	1893	534039	800000
2	1	16	796918	64	0	0	3018	800000
3	1	16	105398	81	0	0	694521	800000
4	2	16	446678	62	1752	0	351446	800000
5	2	16	564252	63	1417	0	234205	800000
6	1	16	207424	82	0	0	592494	800000
7	3	16	10855	90	1847	1449	785579	800000
8	2	16	218084	60	1510	0	580286	800000
9	1	16	750583	98	0	0	49319	800000
10	2	16	676742	72	1036	0	122078	800000
11	1	16	585183	79	0	0	214738	800000
12	1	16	448040	55	0	0	351905	800000
13	3	16	759030	86	1588	1539	37585	800000
14	2	16	288003	66	1148	0	510717	800000
15	2	16	268297	84	1174	0	530361	800000

Type 5 #21 5523 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	12	184159	63	0	0	672920	857142
2	3	12	126638	67	1121	1116	728066	857142
3	2	12	710491	96	1375	0	145084	857142
4	3	12	325852	51	1996	1489	527652	857142
5	3	12	716730	84	1386	1177	137597	857142
6	1	12	497875	66	0	0	359201	857142
7	1	12	384128	53	0	0	472961	857142
8	1	12	11834	89	0	0	845219	857142
9	3	12	810165	60	1031	1323	44443	857142
10	3	12	206138	90	1943	1507	647284	857142
11	2	12	414041	98	1863	0	441042	857142
12	2	12	439126	69	1037	0	416841	857142
13	3	12	706890	90	1505	1568	146909	857142
14	1	12	827308	68	0	0	29766	857142

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	12	894721	72	1414	0	103721	1000000

2	3	12	214803	84	1598	1048	782299	1000000
3	1	12	389685	99	0	0	610216	1000000
4	1	12	404019	61	0	0	595920	1000000
5	1	12	441304	91	0	0	558605	1000000
6	3	12	271370	89	1589	1997	724777	1000000
7	2	12	29548	72	1442	0	968866	1000000
8	1	12	443413	98	0	0	556489	1000000
9	2	12	520212	99	1116	0	478474	1000000
10	2	12	782938	81	1776	0	215124	1000000
11	2	12	17718	98	1759	0	980327	1000000
12	1	12	1000772	82	0	0	-854	1000000

Type 5 #23 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	10	560200	83	1774	0	37860	600000
2	2	10	520361	72	1395	0	78100	600000
3	2	10	18943	56	1912	0	579033	600000
4	1	10	128205	100	0	0	471695	600000
5	1	10	263820	66	0	0	336114	600000
6	2	10	565491	82	1394	0	32951	600000
7	1	10	87837	94	0	0	512069	600000
8	1	10	456658	79	0	0	143263	600000
9	3	10	332671	63	1456	1184	264500	600000
10	3	10	416867	57	1586	1971	179405	600000
11	3	10	504621	57	1581	1107	92520	600000
12	1	10	209956	86	0	0	389958	600000
13	3	10	546952	77	1291	1504	50022	600000
14	2	10	61550	64	1984	0	536338	600000
15	1	10	446765	74	0	0	153161	600000
16	1	10	489214	100	0	0	110686	600000
17	1	10	402675	92	0	0	197233	600000
18	2	10	121752	99	1993	0	476057	600000
19	2	10	329332	65	1575	0	268963	600000
20	2	10	373772	70	1916	0	224172	600000

Type 5 #24 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	219067	85	1665	0	379098	600000
2	2	11	549308	93	1241	0	49265	600000
3	2	11	317117	59	1872	0	280893	600000
4	1	11	452075	82	0	0	147843	600000
5	3	11	192561	88	1790	1723	403662	600000

6	3	11	424701	56	1375	1459	172297	600000
7	2	11	167735	85	1276	0	430819	600000
8	1	11	572122	72	0	0	27806	600000
9	2	11	586786	67	1418	0	11662	600000
10	1	11	56702	52	0	0	543246	600000
11	1	11	329294	72	0	0	270634	600000
12	1	11	585617	82	0	0	14301	600000
13	2	11	281583	77	1538	0	316725	600000
14	3	11	356032	57	1205	1972	240620	600000
15	2	11	308367	62	1930	0	289579	600000
16	3	11	12520	61	1422	1371	584504	600000
17	1	11	168974	89	0	0	430937	600000
18	2	11	227540	66	1476	0	370852	600000
19	2	11	539976	60	1306	0	58598	600000
20	1	11	332221	75	0	0	267704	600000

[Type 5 #25 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	13	81404	56	1237	1719	838548	923076
2	1	13	596735	72	0	0	326269	923076
3	2	13	342929	88	1524	0	578447	923076
4	3	13	419645	87	1981	1125	500064	923076
5	3	13	210487	63	1297	1214	709889	923076
6	3	13	308182	55	1659	1015	612055	923076
7	2	13	698048	72	1291	0	223593	923076
8	1	13	718655	64	0	0	204357	923076
9	2	13	903436	50	1475	0	18065	923076
10	3	13	538327	59	1442	1699	381431	923076
11	2	13	867482	54	1903	0	53583	923076
12	2	13	309000	72	1860	0	612072	923076
13	1	13	388315	82	0	0	534679	923076

[Type 5 #26 5522 \[Back to Summary\]](#)

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	16	491693	77	1678	1521	104877	600000
2	3	16	574416	66	1426	1690	22270	600000
3	3	16	263416	91	1842	1288	333181	600000
4	1	16	259183	62	0	0	340755	600000
5	1	16	232265	72	0	0	367663	600000
6	2	16	59877	56	1834	0	538177	600000
7	3	16	246735	87	1288	1750	349966	600000
8	2	16	77272	80	1117	0	521451	600000

9	2	16	383634	83	1679	0	214521	600000
10	1	16	132709	79	0	0	467212	600000
11	2	16	242404	81	1722	0	355712	600000
12	2	16	224716	62	1326	0	373834	600000
13	2	16	580335	74	1378	0	18139	600000
14	1	16	529836	85	0	0	70079	600000
15	3	16	399419	57	1841	1019	197550	600000
16	3	16	139988	71	1764	1929	456106	600000
17	2	16	43595	99	1828	0	554379	600000
18	1	16	305004	67	0	0	294929	600000
19	1	16	447167	52	0	0	152781	600000
20	1	16	38785	82	0	0	561133	600000

Type 5 #27 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	216189	90	0	0	489603	705882
2	1	20	333655	70	0	0	372157	705882
3	2	20	360264	56	1140	0	344366	705882
4	2	20	249237	56	1895	0	454638	705882
5	3	20	194706	69	1700	1095	508174	705882
6	1	20	254914	51	0	0	450917	705882
7	1	20	58757	95	0	0	647030	705882
8	3	20	491484	100	1759	1661	210678	705882
9	1	20	498341	97	0	0	207444	705882
10	2	20	93506	81	1603	0	610611	705882
11	2	20	412742	97	1818	0	291128	705882
12	2	20	489649	66	1281	0	214820	705882
13	1	20	328990	59	0	0	376833	705882
14	3	20	102830	71	1500	1310	600029	705882
15	2	20	375242	90	1469	0	328991	705882
16	1	20	704256	89	0	0	1537	705882
17	2	20	630040	74	1674	0	74020	705882

Type 5 #28 5522 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	15	187728	86	1785	0	1010315	1200000
2	2	15	341099	92	1474	0	857243	1200000
3	1	15	180420	65	0	0	1019515	1200000
4	2	15	323637	86	1465	0	874726	1200000
5	1	15	343107	83	0	0	856810	1200000
6	2	15	426050	60	1647	0	772183	1200000
7	1	15	485212	62	0	0	714726	1200000

8	1	15	959682	70	0	0	240248	1200000
9	1	15	18655	75	0	0	1181270	1200000
10	2	15	333965	65	1084	0	864821	1200000

Type 5 #29 5510 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	18	508534	100	1100	1430	155302	666666
2	2	18	378866	58	1472	0	286212	666666
3	1	18	92025	88	0	0	574553	666666
4	2	18	91787	91	1710	0	572987	666666
5	1	18	228775	93	0	0	437798	666666
6	2	18	452379	63	1018	0	213143	666666
7	1	18	234613	65	0	0	431988	666666
8	2	18	246071	58	1416	0	419063	666666
9	3	18	571591	87	1752	1855	91207	666666
10	2	18	660071	81	1523	0	4910	666666
11	1	18	665105	73	0	0	1488	666666
12	3	18	568941	79	1060	1640	94788	666666
13	3	18	88953	88	1992	1483	573974	666666
14	1	18	31327	88	0	0	635251	666666
15	3	18	256490	50	1451	1952	406623	666666
16	2	18	641322	94	1493	0	23663	666666
17	3	18	199311	52	1529	1533	464137	666666
18	1	18	74124	83	0	0	592459	666666

Type 5 #30 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	267252	61	1866	1346	729353	1000000
2	1	14	769734	50	0	0	230216	1000000
3	1	14	147118	58	0	0	852824	1000000
4	3	14	948067	95	1254	1694	48700	1000000
5	3	14	934761	92	1000	1092	62871	1000000
6	3	14	624410	63	1937	1184	372280	1000000
7	1	14	597613	64	0	0	402323	1000000
8	1	14	261813	69	0	0	738118	1000000
9	2	14	342942	81	1241	0	655655	1000000
10	3	14	512259	97	1629	1828	483993	1000000
11	1	14	824078	65	0	0	175857	1000000
12	3	14	321215	61	1774	1175	675653	1000000

Type 6 #1 [Back to Summary]

#01-5575	#02-5318	#03-5673	#04-5430	#05-5408	#06-5628	#07-5660	#08-5515	#09-5344	#10-5508
#11-5314	#12-5532	#13-5478	#14-5606	#15-5409	#16-5253	#17-5399	#18-5454	#19-5398	#20-5569
#21-5697	#22-5404	#23-5539	#24-5472	#25-5666	#26-5424	#27-5400	#28-5349	#29-5319	#30-5698
#31-5501	#32-5517	#33-5425	#34-5718	#35-5563	#36-5580	#37-5268	#38-5366	#39-5484	#40-5642
#41-5558	#42-5601	#43-5294	#44-5665	#45-5576	#46-5387	#47-5607	#48-5261	#49-5649	#50-5714
#51-5251	#52-5461	#53-5608	#54-5343	#55-5530	#56-5419	#57-5504	#58-5449	#59-5489	#60-5709
#61-5474	#62-5560	#63-5443	#64-5369	#65-5260	#66-5527	#67-5354	#68-5487	#69-5292	#70-5559
#71-5708	#72-5282	#73-5693	#74-5482	#75-5263	#76-5345	#77-5358	#78-5600	#79-5625	#80-5525
#81-5547	#82-5388	#83-5428	#84-5329	#85-5692	#86-5288	#87-5635	#88-5326	#89-5437	#90-5390
#91-5322	#92-5546	#93-5610	#94-5500	#95-5415	#96-5723	#97-5403	#98-5650	#99-5657	#100-5298

Type 6 #2 [Back to Summary]

#01-5284	#02-5368	#03-5692	#04-5342	#05-5254	#06-5695	#07-5493	#08-5375	#09-5336	#10-5437
#11-5311	#12-5632	#13-5553	#14-5689	#15-5417	#16-5334	#17-5385	#18-5365	#19-5408	#20-5697
#21-5617	#22-5279	#23-5301	#24-5626	#25-5487	#26-5421	#27-5407	#28-5451	#29-5319	#30-5263
#31-5666	#32-5443	#33-5665	#34-5576	#35-5494	#36-5432	#37-5429	#38-5338	#39-5328	#40-5724
#41-5525	#42-5515	#43-5716	#44-5250	#45-5332	#46-5420	#47-5714	#48-5637	#49-5337	#50-5333
#51-5591	#52-5291	#53-5500	#54-5682	#55-5410	#56-5256	#57-5317	#58-5316	#59-5585	#60-5565
#61-5545	#62-5297	#63-5306	#64-5326	#65-5502	#66-5602	#67-5688	#68-5702	#69-5461	#70-5711
#71-5633	#72-5296	#73-5286	#74-5413	#75-5436	#76-5366	#77-5288	#78-5304	#79-5550	#80-5325
#81-5440	#82-5503	#83-5373	#84-5710	#85-5405	#86-5627	#87-5664	#88-5704	#89-5431	#90-5491
#91-5371	#92-5367	#93-5488	#94-5501	#95-5448	#96-5483	#97-5468	#98-5645	#99-5495	#100-5467

Type 6 #3 [Back to Summary]

#01-5449	#02-5262	#03-5435	#04-5346	#05-5422	#06-5546	#07-5254	#08-5339	#09-5512	#10-5298
#11-5693	#12-5267	#13-5497	#14-5517	#15-5388	#16-5301	#17-5660	#18-5320	#19-5650	#20-5594
#21-5657	#22-5710	#23-5535	#24-5692	#25-5601	#26-5526	#27-5543	#28-5520	#29-5697	#30-5675
#31-5625	#32-5367	#33-5544	#34-5338	#35-5593	#36-5412	#37-5306	#38-5266	#39-5539	#40-5578
#41-5621	#42-5579	#43-5445	#44-5373	#45-5510	#46-5347	#47-5588	#48-5689	#49-5355	#50-5385
#51-5537	#52-5390	#53-5720	#54-5615	#55-5521	#56-5462	#57-5453	#58-5466	#59-5469	#60-5623
#61-5251	#62-5456	#63-5365	#64-5560	#65-5395	#66-5576	#67-5443	#68-5405	#69-5645	#70-5699
#71-5718	#72-5643	#73-5498	#74-5318	#75-5694	#76-5324	#77-5508	#78-5409	#79-5425	#80-5501
#81-5662	#82-5577	#83-5414	#84-5562	#85-5382	#86-5485	#87-5368	#88-5653	#89-5538	#90-5375
#91-5682	#92-5564	#93-5515	#94-5641	#95-5574	#96-5408	#97-5458	#98-5613	#99-5703	#100-5664

Type 6 #4 [Back to Summary]

#01-5624	#02-5432	#03-5295	#04-5380	#05-5391	#06-5619	#07-5609	#08-5649	#09-5645	#10-5447
#11-5677	#12-5292	#13-5288	#14-5691	#15-5684	#16-5398	#17-5290	#18-5528	#19-5421	#20-5630
#21-5455	#22-5516	#23-5588	#24-5511	#25-5263	#26-5404	#27-5372	#28-5582	#29-5471	#30-5531
#31-5587	#32-5625	#33-5434	#34-5488	#35-5604	#36-5478	#37-5533	#38-5285	#39-5419	#40-5492
#41-5603	#42-5446	#43-5257	#44-5340	#45-5427	#46-5643	#47-5524	#48-5555	#49-5686	#50-5424
#51-5368	#52-5661	#53-5441	#54-5318	#55-5461	#56-5353	#57-5566	#58-5507	#59-5362	#60-5712
#61-5496	#62-5273	#63-5426	#64-5360	#65-5584	#66-5302	#67-5585	#68-5527	#69-5332	#70-5457
#71-5594	#72-5252	#73-5354	#74-5658	#75-5277	#76-5255	#77-5512	#78-5502	#79-5334	#80-5347
#81-5611	#82-5549	#83-5633	#84-5294	#85-5407	#86-5663	#87-5433	#88-5365	#89-5279	#90-5503



Title: Mikrotiks SIA RBD53iG-5HacD2HnD-US
To: FCC Part 15.407 & ISED RSS-247
Serial #: MIKO114-U2 Rev A DFS Addendum

#91-5644	#92-5275	#93-5652	#94-5440	#95-5722	#96-5579	#97-5270	#98-5622	#99-5485	#100-5378
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Type 6 #5 [Back to Summary]

#01-5306	#02-5723	#03-5469	#04-5478	#05-5562	#06-5369	#07-5551	#08-5514	#09-5291	#10-5454
#11-5575	#12-5317	#13-5421	#14-5267	#15-5355	#16-5675	#17-5375	#18-5388	#19-5682	#20-5652
#21-5596	#22-5470	#23-5498	#24-5563	#25-5542	#26-5567	#27-5332	#28-5645	#29-5656	#30-5423
#31-5709	#32-5614	#33-5264	#34-5683	#35-5290	#36-5606	#37-5326	#38-5398	#39-5453	#40-5285
#41-5354	#42-5641	#43-5323	#44-5547	#45-5650	#46-5572	#47-5579	#48-5626	#49-5333	#50-5297
#51-5455	#52-5609	#53-5663	#54-5552	#55-5505	#56-5559	#57-5475	#58-5632	#59-5664	#60-5721
#61-5284	#62-5628	#63-5582	#64-5590	#65-5464	#66-5686	#67-5300	#68-5459	#69-5702	#70-5468
#71-5595	#72-5700	#73-5655	#74-5640	#75-5536	#76-5676	#77-5391	#78-5671	#79-5629	#80-5695
#81-5711	#82-5422	#83-5549	#84-5599	#85-5692	#86-5346	#87-5673	#88-5425	#89-5414	#90-5442
#91-5372	#92-5409	#93-5450	#94-5446	#95-5724	#96-5438	#97-5304	#98-5444	#99-5324	#100-5689

Type 6 #6 [Back to Summary]

#01-5520	#02-5363	#03-5650	#04-5582	#05-5422	#06-5478	#07-5677	#08-5266	#09-5257	#10-5555
#11-5416	#12-5528	#13-5721	#14-5690	#15-5261	#16-5580	#17-5317	#18-5699	#19-5623	#20-5369
#21-5255	#22-5590	#23-5292	#24-5497	#25-5345	#26-5432	#27-5489	#28-5450	#29-5645	#30-5350
#31-5618	#32-5666	#33-5594	#34-5669	#35-5424	#36-5597	#37-5505	#38-5706	#39-5434	#40-5462
#41-5396	#42-5659	#43-5425	#44-5592	#45-5286	#46-5572	#47-5417	#48-5494	#49-5445	#50-5390
#51-5378	#52-5331	#53-5553	#54-5684	#55-5686	#56-5652	#57-5321	#58-5398	#59-5487	#60-5717
#61-5714	#62-5475	#63-5342	#64-5630	#65-5658	#66-5473	#67-5654	#68-5301	#69-5515	#70-5383
#71-5320	#72-5334	#73-5514	#74-5408	#75-5695	#76-5315	#77-5411	#78-5420	#79-5464	#80-5495
#81-5259	#82-5718	#83-5252	#84-5504	#85-5691	#86-5536	#87-5359	#88-5632	#89-5707	#90-5493
#91-5526	#92-5353	#93-5466	#94-5442	#95-5472	#96-5640	#97-5564	#98-5521	#99-5653	#100-5537

Type 6 #7 [Back to Summary]

#01-5643	#02-5368	#03-5704	#04-5308	#05-5320	#06-5295	#07-5544	#08-5395	#09-5713	#10-5614
#11-5490	#12-5626	#13-5662	#14-5720	#15-5706	#16-5721	#17-5472	#18-5565	#19-5663	#20-5375
#21-5362	#22-5270	#23-5319	#24-5271	#25-5584	#26-5689	#27-5590	#28-5323	#29-5657	#30-5300
#31-5477	#32-5617	#33-5486	#34-5649	#35-5569	#36-5609	#37-5263	#38-5667	#39-5429	#40-5641
#41-5714	#42-5688	#43-5639	#44-5343	#45-5253	#46-5613	#47-5416	#48-5466	#49-5455	#50-5474
#51-5418	#52-5719	#53-5567	#54-5525	#55-5415	#56-5612	#57-5298	#58-5679	#59-5442	#60-5351
#61-5424	#62-5468	#63-5453	#64-5658	#65-5384	#66-5586	#67-5386	#68-5258	#69-5393	#70-5341
#71-5702	#72-5526	#73-5387	#74-5269	#75-5383	#76-5398	#77-5348	#78-5697	#79-5267	#80-5684
#81-5521	#82-5371	#83-5580	#84-5435	#85-5597	#86-5484	#87-5293	#88-5676	#89-5485	#90-5673
#91-5558	#92-5306	#93-5471	#94-5329	#95-5469	#96-5496	#97-5489	#98-5707	#99-5675	#100-5381

Type 6 #8 [Back to Summary]

#01-5484	#02-5408	#03-5325	#04-5367	#05-5498	#06-5616	#07-5583	#08-5557	#09-5395	#10-5273
#11-5523	#12-5321	#13-5667	#14-5481	#15-5553	#16-5303	#17-5611	#18-5272	#19-5309	#20-5630
#21-5549	#22-5432	#23-5502	#24-5442	#25-5503	#26-5653	#27-5307	#28-5311	#29-5527	#30-5620
#31-5638	#32-5364	#33-5269	#34-5608	#35-5454	#36-5369	#37-5296	#38-5471	#39-5665	#40-5715
#41-5627	#42-5462	#43-5537	#44-5458	#45-5406	#46-5494	#47-5363	#48-5717	#49-5505	#50-5415
#51-5609	#52-5461	#53-5654	#54-5301	#55-5564	#56-5300	#57-5636	#58-5607	#59-5590	#60-5572
#61-5558	#62-5521	#63-5280	#64-5504	#65-5361	#66-5405	#67-5299	#68-5312	#69-5276	#70-5435

#71-5256	#72-5390	#73-5340	#74-5324	#75-5252	#76-5342	#77-5628	#78-5291	#79-5286	#80-5258
#81-5542	#82-5326	#83-5540	#84-5370	#85-5260	#86-5429	#87-5446	#88-5696	#89-5302	#90-5411
#91-5468	#92-5421	#93-5614	#94-5349	#95-5416	#96-5360	#97-5441	#98-5284	#99-5355	#100-5724

Type 6 #9 [Back to Summary]									
#01-5441	#02-5305	#03-5689	#04-5316	#05-5408	#06-5470	#07-5375	#08-5582	#09-5299	#10-5476
#11-5409	#12-5593	#13-5574	#14-5584	#15-5284	#16-5494	#17-5715	#18-5647	#19-5496	#20-5666
#21-5694	#22-5334	#23-5262	#24-5601	#25-5701	#26-5566	#27-5509	#28-5721	#29-5636	#30-5623
#31-5628	#32-5585	#33-5669	#34-5286	#35-5536	#36-5474	#37-5350	#38-5462	#39-5675	#40-5511
#41-5296	#42-5577	#43-5640	#44-5542	#45-5718	#46-5589	#47-5557	#48-5270	#49-5306	#50-5637
#51-5361	#52-5503	#53-5506	#54-5400	#55-5278	#56-5356	#57-5292	#58-5340	#59-5341	#60-5558
#61-5683	#62-5380	#63-5665	#64-5399	#65-5563	#66-5538	#67-5644	#68-5530	#69-5291	#70-5525
#71-5389	#72-5490	#73-5695	#74-5705	#75-5614	#76-5360	#77-5416	#78-5436	#79-5604	#80-5357
#81-5254	#82-5481	#83-5663	#84-5723	#85-5505	#86-5370	#87-5325	#88-5512	#89-5256	#90-5431
#91-5434	#92-5263	#93-5378	#94-5365	#95-5552	#96-5642	#97-5635	#98-5486	#99-5702	#100-5423

Type 6 #10 [Back to Summary]									
#01-5671	#02-5278	#03-5705	#04-5497	#05-5498	#06-5589	#07-5538	#08-5530	#09-5510	#10-5642
#11-5664	#12-5575	#13-5453	#14-5706	#15-5555	#16-5442	#17-5431	#18-5668	#19-5611	#20-5441
#21-5463	#22-5375	#23-5526	#24-5582	#25-5340	#26-5373	#27-5366	#28-5579	#29-5396	#30-5699
#31-5443	#32-5649	#33-5459	#34-5424	#35-5406	#36-5701	#37-5504	#38-5412	#39-5472	#40-5645
#41-5556	#42-5516	#43-5253	#44-5332	#45-5490	#46-5585	#47-5529	#48-5388	#49-5531	#50-5350
#51-5451	#52-5694	#53-5604	#54-5502	#55-5681	#56-5541	#57-5468	#58-5361	#59-5395	#60-5362
#61-5465	#62-5683	#63-5372	#64-5539	#65-5437	#66-5262	#67-5354	#68-5274	#69-5547	#70-5586
#71-5665	#72-5267	#73-5438	#74-5691	#75-5617	#76-5674	#77-5368	#78-5433	#79-5330	#80-5482
#81-5573	#82-5702	#83-5295	#84-5290	#85-5491	#86-5475	#87-5296	#88-5680	#89-5471	#90-5599
#91-5476	#92-5379	#93-5263	#94-5345	#95-5420	#96-5603	#97-5383	#98-5435	#99-5621	#100-5480

Type 6 #11 [Back to Summary]									
#01-5469	#02-5504	#03-5577	#04-5675	#05-5415	#06-5437	#07-5500	#08-5636	#09-5615	#10-5257
#11-5411	#12-5282	#13-5281	#14-5645	#15-5524	#16-5493	#17-5633	#18-5337	#19-5295	#20-5695
#21-5691	#22-5406	#23-5527	#24-5672	#25-5353	#26-5530	#27-5253	#28-5341	#29-5513	#30-5267
#31-5538	#32-5660	#33-5550	#34-5585	#35-5266	#36-5320	#37-5374	#38-5351	#39-5601	#40-5307
#41-5702	#42-5388	#43-5318	#44-5466	#45-5433	#46-5447	#47-5357	#48-5348	#49-5559	#50-5659
#51-5692	#52-5301	#53-5400	#54-5648	#55-5516	#56-5313	#57-5704	#58-5627	#59-5571	#60-5611
#61-5436	#62-5412	#63-5376	#64-5598	#65-5450	#66-5480	#67-5461	#68-5423	#69-5629	#70-5457
#71-5371	#72-5537	#73-5465	#74-5715	#75-5719	#76-5556	#77-5340	#78-5309	#79-5492	#80-5634
#81-5426	#82-5632	#83-5512	#84-5580	#85-5298	#86-5486	#87-5515	#88-5624	#89-5321	#90-5680
#91-5342	#92-5470	#93-5505	#94-5713	#95-5594	#96-5543	#97-5262	#98-5440	#99-5270	#100-5678

Type 6 #12 [Back to Summary]									
#01-5711	#02-5656	#03-5441	#04-5349	#05-5536	#06-5405	#07-5562	#08-5407	#09-5653	#10-5684
#11-5694	#12-5638	#13-5385	#14-5661	#15-5435	#16-5524	#17-5620	#18-5515	#19-5546	#20-5685
#21-5689	#22-5555	#23-5346	#24-5672	#25-5359	#26-5623	#27-5278	#28-5470	#29-5366	#30-5424
#31-5537	#32-5619	#33-5289	#34-5533	#35-5643	#36-5488	#37-5436	#38-5406	#39-5290	#40-5614
#41-5645	#42-5350	#43-5697	#44-5356	#45-5709	#46-5420	#47-5325	#48-5563	#49-5520	#50-5313

#51-5637	#52-5465	#53-5611	#54-5304	#55-5713	#56-5397	#57-5552	#58-5487	#59-5712	#60-5628
#61-5371	#62-5333	#63-5284	#64-5474	#65-5390	#66-5316	#67-5595	#68-5572	#69-5263	#70-5666
#71-5334	#72-5459	#73-5475	#74-5650	#75-5285	#76-5581	#77-5584	#78-5716	#79-5688	#80-5660
#81-5540	#82-5434	#83-5669	#84-5298	#85-5503	#86-5319	#87-5255	#88-5705	#89-5543	#90-5490
#91-5655	#92-5670	#93-5418	#94-5379	#95-5486	#96-5553	#97-5311	#98-5461	#99-5690	#100-5629

Type 6 #13 [Back to Summary]									
#01-5548	#02-5480	#03-5551	#04-5583	#05-5705	#06-5427	#07-5717	#08-5688	#09-5269	#10-5375
#11-5536	#12-5566	#13-5522	#14-5297	#15-5335	#16-5659	#17-5389	#18-5711	#19-5690	#20-5320
#21-5313	#22-5617	#23-5274	#24-5493	#25-5256	#26-5390	#27-5288	#28-5346	#29-5412	#30-5454
#31-5519	#32-5371	#33-5273	#34-5304	#35-5368	#36-5319	#37-5615	#38-5343	#39-5325	#40-5334
#41-5336	#42-5292	#43-5685	#44-5431	#45-5679	#46-5353	#47-5406	#48-5385	#49-5299	#50-5563
#51-5429	#52-5337	#53-5507	#54-5624	#55-5580	#56-5655	#57-5463	#58-5307	#59-5581	#60-5571
#61-5400	#62-5627	#63-5533	#64-5545	#65-5588	#66-5425	#67-5546	#68-5477	#69-5658	#70-5267
#71-5296	#72-5303	#73-5643	#74-5614	#75-5716	#76-5271	#77-5656	#78-5577	#79-5538	#80-5637
#81-5715	#82-5636	#83-5298	#84-5576	#85-5284	#86-5445	#87-5596	#88-5384	#89-5457	#90-5442
#91-5590	#92-5558	#93-5490	#94-5482	#95-5666	#96-5436	#97-5488	#98-5399	#99-5567	#100-5513

Type 6 #14 [Back to Summary]									
#01-5526	#02-5649	#03-5444	#04-5276	#05-5511	#06-5368	#07-5413	#08-5614	#09-5630	#10-5552
#11-5724	#12-5604	#13-5490	#14-5665	#15-5574	#16-5477	#17-5575	#18-5678	#19-5504	#20-5389
#21-5546	#22-5411	#23-5270	#24-5467	#25-5404	#26-5459	#27-5536	#28-5407	#29-5674	#30-5532
#31-5508	#32-5507	#33-5259	#34-5274	#35-5355	#36-5316	#37-5438	#38-5269	#39-5314	#40-5642
#41-5278	#42-5705	#43-5472	#44-5625	#45-5434	#46-5704	#47-5318	#48-5550	#49-5628	#50-5429
#51-5582	#52-5533	#53-5613	#54-5419	#55-5690	#56-5357	#57-5629	#58-5699	#59-5592	#60-5299
#61-5556	#62-5252	#63-5666	#64-5343	#65-5292	#66-5461	#67-5595	#68-5465	#69-5555	#70-5505
#71-5291	#72-5558	#73-5615	#74-5591	#75-5365	#76-5568	#77-5670	#78-5369	#79-5285	#80-5425
#81-5392	#82-5714	#83-5502	#84-5486	#85-5680	#86-5702	#87-5622	#88-5561	#89-5309	#90-5723
#91-5408	#92-5458	#93-5395	#94-5264	#95-5333	#96-5273	#97-5293	#98-5376	#99-5584	#100-5696

Type 6 #15 [Back to Summary]									
#01-5359	#02-5573	#03-5717	#04-5369	#05-5393	#06-5273	#07-5644	#08-5270	#09-5306	#10-5373
#11-5421	#12-5508	#13-5665	#14-5416	#15-5628	#16-5567	#17-5470	#18-5427	#19-5392	#20-5314
#21-5568	#22-5283	#23-5410	#24-5558	#25-5345	#26-5549	#27-5407	#28-5601	#29-5510	#30-5343
#31-5532	#32-5542	#33-5515	#34-5311	#35-5320	#36-5551	#37-5721	#38-5390	#39-5349	#40-5657
#41-5305	#42-5606	#43-5507	#44-5668	#45-5559	#46-5635	#47-5526	#48-5711	#49-5362	#50-5491
#51-5529	#52-5593	#53-5709	#54-5518	#55-5381	#56-5325	#57-5419	#58-5413	#59-5272	#60-5575
#61-5598	#62-5294	#63-5487	#64-5686	#65-5569	#66-5608	#67-5718	#68-5607	#69-5342	#70-5330
#71-5574	#72-5328	#73-5324	#74-5462	#75-5254	#76-5690	#77-5498	#78-5468	#79-5250	#80-5441
#81-5271	#82-5424	#83-5486	#84-5264	#85-5543	#86-5667	#87-5557	#88-5716	#89-5656	#90-5715
#91-5383	#92-5563	#93-5366	#94-5502	#95-5310	#96-5260	#97-5367	#98-5548	#99-5352	#100-5679

Type 6 #16 [Back to Summary]									
#01-5638	#02-5647	#03-5615	#04-5279	#05-5646	#06-5448	#07-5511	#08-5497	#09-5513	#10-5414
#11-5550	#12-5673	#13-5406	#14-5561	#15-5544	#16-5423	#17-5533	#18-5470	#19-5390	#20-5625
#21-5297	#22-5250	#23-5675	#24-5349	#25-5677	#26-5260	#27-5691	#28-5546	#29-5397	#30-5720

#31-5576	#32-5680	#33-5366	#34-5298	#35-5520	#36-5348	#37-5523	#38-5454	#39-5340	#40-5338
#41-5401	#42-5305	#43-5455	#44-5488	#45-5417	#46-5434	#47-5399	#48-5530	#49-5684	#50-5610
#51-5450	#52-5614	#53-5396	#54-5447	#55-5630	#56-5639	#57-5700	#58-5514	#59-5325	#60-5635
#61-5483	#62-5693	#63-5344	#64-5518	#65-5566	#66-5595	#67-5553	#68-5358	#69-5285	#70-5442
#71-5623	#72-5323	#73-5376	#74-5302	#75-5473	#76-5718	#77-5521	#78-5431	#79-5660	#80-5489
#81-5584	#82-5407	#83-5590	#84-5510	#85-5517	#86-5689	#87-5528	#88-5645	#89-5384	#90-5607
#91-5369	#92-5258	#93-5371	#94-5427	#95-5581	#96-5433	#97-5683	#98-5661	#99-5651	#100-5543

Type 6 #17 [Back to Summary]									
#01-5606	#02-5289	#03-5490	#04-5486	#05-5710	#06-5372	#07-5482	#08-5346	#09-5700	#10-5636
#11-5366	#12-5515	#13-5580	#14-5563	#15-5303	#16-5323	#17-5351	#18-5558	#19-5724	#20-5601
#21-5317	#22-5632	#23-5692	#24-5403	#25-5318	#26-5615	#27-5674	#28-5672	#29-5446	#30-5284
#31-5283	#32-5584	#33-5507	#34-5365	#35-5608	#36-5541	#37-5645	#38-5353	#39-5527	#40-5397
#41-5452	#42-5430	#43-5667	#44-5477	#45-5492	#46-5586	#47-5402	#48-5537	#49-5377	#50-5505
#51-5333	#52-5374	#53-5660	#54-5295	#55-5473	#56-5699	#57-5319	#58-5336	#59-5419	#60-5344
#61-5424	#62-5535	#63-5624	#64-5664	#65-5599	#66-5504	#67-5254	#68-5465	#69-5681	#70-5483
#71-5404	#72-5722	#73-5275	#74-5576	#75-5398	#76-5613	#77-5688	#78-5461	#79-5634	#80-5453
#81-5459	#82-5385	#83-5547	#84-5665	#85-5676	#86-5635	#87-5649	#88-5456	#89-5609	#90-5630
#91-5468	#92-5554	#93-5657	#94-5428	#95-5701	#96-5641	#97-5526	#98-5253	#99-5596	#100-5712

Type 6 #18 [Back to Summary]									
#01-5582	#02-5662	#03-5583	#04-5617	#05-5352	#06-5336	#07-5344	#08-5331	#09-5624	#10-5588
#11-5260	#12-5579	#13-5428	#14-5688	#15-5607	#16-5284	#17-5712	#18-5682	#19-5714	#20-5687
#21-5573	#22-5513	#23-5572	#24-5294	#25-5262	#26-5563	#27-5313	#28-5561	#29-5601	#30-5475
#31-5330	#32-5681	#33-5578	#34-5645	#35-5595	#36-5517	#37-5520	#38-5653	#39-5552	#40-5584
#41-5532	#42-5557	#43-5550	#44-5273	#45-5623	#46-5614	#47-5379	#48-5697	#49-5539	#50-5664
#51-5654	#52-5564	#53-5265	#54-5637	#55-5380	#56-5314	#57-5332	#58-5525	#59-5602	#60-5494
#61-5275	#62-5487	#63-5445	#64-5392	#65-5497	#66-5301	#67-5722	#68-5492	#69-5340	#70-5334
#71-5470	#72-5307	#73-5371	#74-5376	#75-5398	#76-5261	#77-5679	#78-5546	#79-5396	#80-5370
#81-5436	#82-5343	#83-5268	#84-5663	#85-5540	#86-5472	#87-5670	#88-5669	#89-5506	#90-5524
#91-5437	#92-5713	#93-5298	#94-5303	#95-5556	#96-5290	#97-5365	#98-5417	#99-5481	#100-5569

Type 6 #19 [Back to Summary]									
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#11-5356	#12-5501	#13-5392	#14-5484	#15-5317	#16-5660	#17-5483	#18-5518	#19-5571	#20-5277
#21-5354	#22-5301	#23-5715	#24-5532	#25-5618	#26-5493	#27-5258	#28-5316	#29-5540	#30-5357
#31-5628	#32-5513	#33-5315	#34-5549	#35-5473	#36-5565	#37-5455	#38-5525	#39-5476	#40-5677
#41-5274	#42-5304	#43-5424	#44-5395	#45-5422	#46-5669	#47-5573	#48-5542	#49-5709	#50-5635
#51-5533	#52-5575	#53-5574	#54-5456	#55-5461	#56-5567	#57-5615	#58-5325	#59-5581	#60-5670
#61-5591	#62-5382	#63-5323	#64-5381	#65-5466	#66-5572	#67-5429	#68-5576	#69-5259	#70-5478
#71-5443	#72-5689	#73-5285	#74-5629	#75-5252	#76-5299	#77-5605	#78-5568	#79-5352	#80-5680
#81-5652	#82-5438	#83-5332	#84-5639	#85-5547	#86-5298	#87-5671	#88-5584	#89-5331	#90-5641
#91-5683	#92-5378	#93-5675	#94-5531	#95-5335	#96-5616	#97-5706	#98-5288	#99-5653	#100-5578

Type 6 #20 [Back to Summary]									
#01-5480	#02-5723	#03-5528	#04-5476	#05-5429	#06-5571	#07-5534	#08-5674	#09-5454	#10-5410



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To: FCC Part 15.407 & ISED RSS-247
Serial #: MIKO114-U2 Rev A DFS Addendum

#11-5690	#12-5290	#13-5696	#14-5626	#15-5267	#16-5391	#17-5304	#18-5416	#19-5561	#20-5418
#21-5630	#22-5579	#23-5489	#24-5348	#25-5527	#26-5317	#27-5264	#28-5473	#29-5538	#30-5364
#31-5322	#32-5562	#33-5646	#34-5502	#35-5443	#36-5650	#37-5641	#38-5582	#39-5449	#40-5704
#41-5492	#42-5715	#43-5370	#44-5642	#45-5668	#46-5633	#47-5404	#48-5291	#49-5518	#50-5664
#51-5556	#52-5533	#53-5450	#54-5475	#55-5673	#56-5622	#57-5479	#58-5422	#59-5675	#60-5356
#61-5553	#62-5307	#63-5382	#64-5337	#65-5338	#66-5376	#67-5367	#68-5441	#69-5430	#70-5339
#71-5478	#72-5446	#73-5692	#74-5585	#75-5652	#76-5637	#77-5453	#78-5572	#79-5399	#80-5614
#81-5629	#82-5698	#83-5679	#84-5594	#85-5525	#86-5506	#87-5347	#88-5406	#89-5550	#90-5541
#91-5407	#92-5458	#93-5627	#94-5329	#95-5387	#96-5425	#97-5576	#98-5277	#99-5548	#100-5536

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#11-5420	#12-5637	#13-5272	#14-5307	#15-5455	#16-5586	#17-5356	#18-5517	#19-5535	#20-5557
#21-5275	#22-5683	#23-5617	#24-5615	#25-5654	#26-5265	#27-5540	#28-5603	#29-5433	#30-5468
#31-5314	#32-5419	#33-5270	#34-5594	#35-5352	#36-5669	#37-5362	#38-5499	#39-5407	#40-5421
#41-5666	#42-5482	#43-5587	#44-5520	#45-5371	#46-5502	#47-5440	#48-5575	#49-5612	#50-5536
#51-5324	#52-5309	#53-5471	#54-5720	#55-5510	#56-5558	#57-5323	#58-5698	#59-5496	#60-5415
#61-5544	#62-5695	#63-5405	#64-5332	#65-5697	#66-5724	#67-5619	#68-5398	#69-5678	#70-5508
#71-5469	#72-5580	#73-5351	#74-5361	#75-5621	#76-5515	#77-5341	#78-5340	#79-5489	#80-5394
#81-5552	#82-5693	#83-5717	#84-5627	#85-5388	#86-5252	#87-5674	#88-5276	#89-5327	#90-5521
#91-5595	#92-5386	#93-5251	#94-5712	#95-5605	#96-5694	#97-5317	#98-5497	#99-5548	#100-5370

Type 6 #22 [Back to Summary]									
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#11-5462	#12-5703	#13-5452	#14-5350	#15-5593	#16-5574	#17-5699	#18-5512	#19-5662	#20-5690
#21-5297	#22-5585	#23-5323	#24-5408	#25-5642	#26-5333	#27-5576	#28-5370	#29-5485	#30-5644
#31-5445	#32-5563	#33-5518	#34-5372	#35-5508	#36-5515	#37-5320	#38-5621	#39-5557	#40-5649
#41-5296	#42-5564	#43-5648	#44-5334	#45-5306	#46-5611	#47-5663	#48-5624	#49-5369	#50-5274
#51-5720	#52-5529	#53-5559	#54-5580	#55-5322	#56-5271	#57-5685	#58-5458	#59-5425	#60-5705
#61-5610	#62-5551	#63-5594	#64-5429	#65-5517	#66-5617	#67-5431	#68-5330	#69-5558	#70-5326
#71-5496	#72-5328	#73-5677	#74-5262	#75-5640	#76-5451	#77-5665	#78-5713	#79-5351	#80-5278
#81-5396	#82-5676	#83-5724	#84-5454	#85-5646	#86-5633	#87-5252	#88-5657	#89-5294	#90-5480
#91-5545	#92-5578	#93-5438	#94-5571	#95-5282	#96-5461	#97-5693	#98-5463	#99-5530	#100-5410

Type 6 #23 [Back to Summary]									
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#11-5334	#12-5697	#13-5362	#14-5396	#15-5557	#16-5662	#17-5558	#18-5388	#19-5505	#20-5609
#21-5617	#22-5494	#23-5283	#24-5328	#25-5493	#26-5643	#27-5611	#28-5347	#29-5706	#30-5425
#31-5482	#32-5447	#33-5423	#34-5660	#35-5574	#36-5536	#37-5618	#38-5685	#39-5683	#40-5258
#41-5308	#42-5422	#43-5720	#44-5426	#45-5398	#46-5582	#47-5469	#48-5295	#49-5269	#50-5345
#51-5630	#52-5550	#53-5684	#54-5652	#55-5518	#56-5653	#57-5539	#58-5707	#59-5512	#60-5577
#61-5278	#62-5473	#63-5565	#64-5481	#65-5353	#66-5606	#67-5514	#68-5419	#69-5538	#70-5267
#71-5294	#72-5599	#73-5429	#74-5490	#75-5543	#76-5436	#77-5498	#78-5581	#79-5654	#80-5637
#81-5408	#82-5560	#83-5324	#84-5607	#85-5513	#86-5659	#87-5478	#88-5487	#89-5379	#90-5647
#91-5719	#92-5633	#93-5404	#94-5343	#95-5704	#96-5546	#97-5576	#98-5466	#99-5317	#100-5508

Type 6 #24 [Back to Summary]									
#01-5313	#02-5296	#03-5478	#04-5252	#05-5303	#06-5281	#07-5376	#08-5440	#09-5358	#10-5335
#11-5405	#12-5690	#13-5306	#14-5607	#15-5419	#16-5447	#17-5407	#18-5687	#19-5694	#20-5428
#21-5373	#22-5272	#23-5290	#24-5624	#25-5275	#26-5389	#27-5443	#28-5336	#29-5524	#30-5718
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#41-5541	#42-5305	#43-5401	#44-5311	#45-5505	#46-5280	#47-5589	#48-5544	#49-5663	#50-5521
#51-5412	#52-5626	#53-5519	#54-5630	#55-5403	#56-5293	#57-5257	#58-5587	#59-5704	#60-5647
#61-5575	#62-5295	#63-5648	#64-5367	#65-5481	#66-5385	#67-5442	#68-5649	#69-5282	#70-5298
#71-5361	#72-5334	#73-5393	#74-5465	#75-5619	#76-5325	#77-5610	#78-5709	#79-5386	#80-5720
#81-5535	#82-5628	#83-5408	#84-5254	#85-5571	#86-5688	#87-5493	#88-5612	#89-5714	#90-5539
#91-5370	#92-5489	#93-5354	#94-5641	#95-5650	#96-5500	#97-5394	#98-5283	#99-5562	#100-5375

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#21-5616	#22-5547	#23-5654	#24-5470	#25-5652	#26-5594	#27-5704	#28-5464	#29-5532	#30-5369
#31-5660	#32-5570	#33-5397	#34-5257	#35-5394	#36-5587	#37-5364	#38-5498	#39-5567	#40-5487
#41-5444	#42-5423	#43-5598	#44-5636	#45-5368	#46-5336	#47-5279	#48-5361	#49-5522	#50-5697
#51-5595	#52-5465	#53-5483	#54-5294	#55-5473	#56-5273	#57-5258	#58-5285	#59-5691	#60-5538
#61-5345	#62-5271	#63-5502	#64-5615	#65-5392	#66-5563	#67-5602	#68-5442	#69-5560	#70-5500
#71-5555	#72-5372	#73-5319	#74-5281	#75-5313	#76-5441	#77-5679	#78-5267	#79-5352	#80-5566
#81-5573	#82-5592	#83-5675	#84-5561	#85-5499	#86-5439	#87-5338	#88-5355	#89-5510	#90-5375
#91-5585	#92-5333	#93-5536	#94-5284	#95-5399	#96-5429	#97-5655	#98-5711	#99-5493	#100-5535

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#21-5476	#22-5497	#23-5658	#24-5438	#25-5641	#26-5470	#27-5562	#28-5288	#29-5607	#30-5609
#31-5518	#32-5690	#33-5498	#34-5541	#35-5347	#36-5257	#37-5310	#38-5647	#39-5419	#40-5276
#41-5296	#42-5604	#43-5371	#44-5478	#45-5298	#46-5589	#47-5401	#48-5409	#49-5314	#50-5637
#51-5354	#52-5711	#53-5593	#54-5544	#55-5308	#56-5694	#57-5622	#58-5340	#59-5353	#60-5643
#61-5633	#62-5360	#63-5572	#64-5349	#65-5490	#66-5361	#67-5467	#68-5369	#69-5275	#70-5686
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#81-5321	#82-5411	#83-5701	#84-5696	#85-5512	#86-5535	#87-5346	#88-5679	#89-5488	#90-5384
#91-5362	#92-5698	#93-5551	#94-5506	#95-5368	#96-5661	#97-5279	#98-5269	#99-5714	#100-5663

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#11-5571	#12-5440	#13-5671	#14-5296	#15-5575	#16-5484	#17-5383	#18-5605	#19-5566	#20-5683
#21-5261	#22-5513	#23-5608	#24-5623	#25-5577	#26-5447	#27-5576	#28-5717	#29-5697	#30-5693
#31-5557	#32-5347	#33-5441	#34-5451	#35-5656	#36-5286	#37-5272	#38-5598	#39-5476	#40-5550
#41-5313	#42-5561	#43-5292	#44-5295	#45-5532	#46-5644	#47-5275	#48-5499	#49-5652	#50-5607
#51-5524	#52-5400	#53-5426	#54-5281	#55-5653	#56-5585	#57-5399	#58-5480	#59-5496	#60-5266
#61-5350	#62-5474	#63-5534	#64-5672	#65-5602	#66-5464	#67-5720	#68-5461	#69-5361	#70-5536
#71-5454	#72-5506	#73-5371	#74-5260	#75-5620	#76-5416	#77-5467	#78-5563	#79-5335	#80-5661
#81-5418	#82-5323	#83-5315	#84-5339	#85-5412	#86-5406	#87-5646	#88-5410	#89-5528	#90-5321

#91-5614	#92-5517	#93-5349	#94-5459	#95-5450	#96-5565	#97-5278	#98-5345	#99-5417	#100-5314
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#21-5553	#22-5560	#23-5667	#24-5292	#25-5654	#26-5671	#27-5408	#28-5641	#29-5535	#30-5305
#31-5392	#32-5372	#33-5397	#34-5272	#35-5259	#36-5617	#37-5664	#38-5677	#39-5669	#40-5398
#41-5380	#42-5478	#43-5274	#44-5300	#45-5686	#46-5298	#47-5371	#48-5515	#49-5616	#50-5432
#51-5405	#52-5563	#53-5573	#54-5702	#55-5493	#56-5340	#57-5597	#58-5345	#59-5444	#60-5461
#61-5591	#62-5359	#63-5613	#64-5332	#65-5336	#66-5717	#67-5426	#68-5373	#69-5557	#70-5683
#71-5339	#72-5471	#73-5509	#74-5356	#75-5311	#76-5324	#77-5539	#78-5622	#79-5333	#80-5610
#81-5549	#82-5627	#83-5273	#84-5361	#85-5635	#86-5561	#87-5531	#88-5428	#89-5512	#90-5647
#91-5267	#92-5571	#93-5489	#94-5466	#95-5537	#96-5268	#97-5595	#98-5670	#99-5691	#100-5695

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#01-5601	#02-5250	#03-5680	#04-5660	#05-5335	#06-5659	#07-5306	#08-5459	#09-5637	#10-5414
#11-5532	#12-5702	#13-5262	#14-5555	#15-5631	#16-5690	#17-5338	#18-5498	#19-5427	#20-5503
#21-5435	#22-5724	#23-5585	#24-5634	#25-5656	#26-5495	#27-5704	#28-5291	#29-5545	#30-5290
#31-5457	#32-5590	#33-5653	#34-5367	#35-5256	#36-5542	#37-5665	#38-5339	#39-5275	#40-5694
#41-5497	#42-5321	#43-5502	#44-5345	#45-5362	#46-5295	#47-5551	#48-5649	#49-5550	#50-5566
#51-5655	#52-5341	#53-5481	#54-5428	#55-5501	#56-5599	#57-5386	#58-5294	#59-5252	#60-5559
#61-5681	#62-5266	#63-5629	#64-5595	#65-5678	#66-5663	#67-5298	#68-5613	#69-5544	#70-5340
#71-5277	#72-5722	#73-5471	#74-5453	#75-5254	#76-5369	#77-5466	#78-5490	#79-5522	#80-5612
#81-5671	#82-5305	#83-5460	#84-5707	#85-5360	#86-5376	#87-5361	#88-5474	#89-5584	#90-5382
#91-5409	#92-5618	#93-5337	#94-5438	#95-5267	#96-5486	#97-5411	#98-5627	#99-5392	#100-5421

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#11-5381	#12-5616	#13-5492	#14-5359	#15-5612	#16-5630	#17-5523	#18-5653	#19-5489	#20-5555
#21-5554	#22-5539	#23-5279	#24-5420	#25-5651	#26-5375	#27-5636	#28-5287	#29-5442	#30-5487
#31-5680	#32-5562	#33-5352	#34-5350	#35-5615	#36-5261	#37-5675	#38-5722	#39-5410	#40-5421
#41-5507	#42-5326	#43-5298	#44-5449	#45-5719	#46-5516	#47-5377	#48-5701	#49-5549	#50-5355
#51-5688	#52-5479	#53-5389	#54-5558	#55-5589	#56-5430	#57-5627	#58-5652	#59-5535	#60-5412
#61-5270	#62-5547	#63-5559	#64-5664	#65-5433	#66-5540	#67-5506	#68-5383	#69-5464	#70-5599
#71-5683	#72-5521	#73-5484	#74-5313	#75-5294	#76-5471	#77-5490	#78-5556	#79-5419	#80-5376
#81-5721	#82-5661	#83-5455	#84-5330	#85-5524	#86-5441	#87-5415	#88-5519	#89-5485	#90-5429
#91-5347	#92-5266	#93-5428	#94-5718	#95-5394	#96-5685	#97-5496	#98-5349	#99-5262	#100-5422



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