

Company: Cambridge Industries USA

Test of: WF-802-W

To: FCC CFR 47 Part 15 Subpart E 15.407, ISSED RSS-247

Report No.: CAMB01-U18 DFS Rev A

DFS TEST REPORT



DFS TEST REPORT



Test of: Cambridge Industries USA WF-802-W

To: FCC CFR 47 Part 15 Subpart E 15.407 & ISED RSS 247

Test Report Serial No.: CAMB01-U18 DFS Rev A

This report supersedes: NONE

Applicant: Cambridge Industries USA
2445 Augustine Drive, Suite 601
Santa Clara, California 95054
USA

Issue Date: 21st August 2017

This Test Report is Issued Under the Authority of:

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MiCOM Labs is an ISO 17025 Accredited Testing Laboratory



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1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING ACCREDITATION

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



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1.2. RECOGNITION

MiCOM Labs, Inc. has widely recognized wireless testing capabilities. Our international recognition includes Conformity Assessment Body designation by APEC MRA countries. MiCOM Labs test reports are accepted globally.

Country	Recognition Body	Status	Phase	Identification No.
USA	Federal Communications Commission (FCC)	TCB	-	US0159 Listing #: 102167
Canada	Industry Canada (IC)	FCB	APEC MRA 2	US0159 Listing #: 4143A-2 4143A-3
Japan	MIC (Ministry of Internal Affairs and Communication)	CAB	APEC MRA 2	RCB 210
	VCCI	--	--	A-0012
Europe	European Commission	NB	EU MRA	NB 2280
Australia	Australian Communications and Media Authority (ACMA)	CAB	APEC MRA 1	US0159
Hong Kong	Office of the Telecommunication Authority (OFTA)	CAB	APEC MRA 1	
Korea	Ministry of Information and Communication Radio Research Laboratory (RRL)	CAB	APEC MRA 1	
Singapore	Infocomm Development Authority (IDA)	CAB	APEC MRA 1	
Taiwan	National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI)	CAB	APEC MRA 1	
Vietnam	Ministry of Communication (MIC)	CAB	APEC MRA 1	

EU MRA – European Union Mutual Recognition Agreement.

NB – Notified Body

APEC MRA – Asia Pacific Economic Community Mutual Recognition Agreement. Recognition agreement under which test lab is accredited to regulatory standards of the APEC member countries.

Phase I - recognition for product testing

Phase II – recognition for both product testing and certification

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1.3. PRODUCT CERTIFICATION

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



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



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2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft	24 July 2017	
Rev A	21 st August 2017	Initial Release

In the above table the latest report revision will replace all earlier versions.

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3. TEST RESULT CERTIFICATE

Manufacturer: Cambridge Industries Group USA 2445 Augustine Drive, Suite 601 Santa Clara California 95054 USA	Tested By: MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Model: WF-802-W	Telephone: +1 925 462 0304 Fax: +1 925 462 0306
Type Of Equipment: Wireless Module	
S/N's: 30513182	
Test Date(s): 20 th - 21 st July 2017	Website: www.micomlabs.com

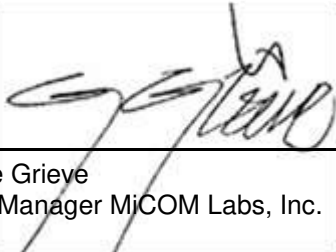
STANDARD(S)	TEST RESULTS
FCC Part 15 Subpart E 15.407 & ISED RSS 247 (Testing limited to DFS only)	EQUIPMENT COMPLIES

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.

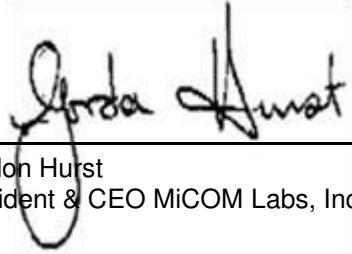
Notes:

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.


TESTING CERT #2381.01


Gordon Hurst
President & CEO MiCOM Labs, Inc.

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4. REFERENCES AND MEASUREMENT UNCERTAINTY

4.1. Normative References

REF.	PUBLICATION	YEAR	TITLE
I	KDB 662911 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	KDB 789033 D02 v01r04	2nd May 2017	Guidelines for compliance testing of Unlicensed National Information Infrastructure (U-NII) Devices (Part 15, Subpart E)
V	A2LA	June 2015	R105 - Requirement's When Making Reference to A2LA Accreditation Status
VI	ANSI C63.10	2013	American National Standard for Testing Unlicensed Wireless Devices
VII	ANSI C63.4	2014	American National Standards for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz
VIII	CISPR 32	2012	Electromagnetic compatibility of multimedia equipment - Emission requirements
IX	ETSI TR 100 028	2001-12	Parts 1 and 2 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics
X	FCC 06-96	Jun 30 2006	Memorandum Opinion and Order
XI	FCC 47 CFR Part 15.407	2016	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
XII	ICES-003	Issue 6 Jan 2016	Spectrum Management and Telecommunications; Interference-Causing Equipment Standard. Information Technology Equipment (Including Digital Apparatus) – Limits and methods of measurement.
XIII	M 3003	Edition 3 Nov.2012	Expression of Uncertainty and Confidence in Measurements
XIV	RSS-247 Issue 2	Feb 2017	Digital Transmission Systems (DTSS), Frequency Hopping System (FHSS) and Licence-Exempt Local Area Network (LE-LEN) Devices
XV	RSS-Gen Issue 4	November 2014	General Requirements and Information for the Certification of Radiocommunication Equipment
XVI	KDB 644545 D03 v01	August 14th 2014	Guidance for IEEE 802.11ac New Rules
XVII	FCC 47 CFR Part 2.1033	2016	FCC requirements and rules regarding photographs and test setup diagrams.
XVIII	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.

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4.2. Test and Uncertainty Procedure

Conducted and radiated emission measurements were conducted in accordance with American National Standards Institute ANSI C63.4, listed in the Normative References section of this report.

Measurement uncertainty figures are calculated in accordance with ETSI TR 100 028 Parts 1 and 2.

Measurement uncertainties stated are based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95 % in accordance with UKAS document M 3003 listed in the Normative References section of this report.

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5. PRODUCT DETAILS AND TEST CONFIGURATIONS

5.1. Technical Details

Details	Description
Purpose:	Test of the Cambridge Industries USA WF-802-W to FCC CFR 47 Part 15 Subpart E 15.407 DFS. Compliance Measurement Procedures for Unlicensed National Information Infrastructure devices operating in the 5250 to 5350 MHz and 5470 to 5725 MHz bands incorporating Dynamic Frequency Selection.
Applicant:	Cambridge Industries USA 2445 Augustine Drive, Suite 601 Santa Clara California 95054 USA
Manufacturer:	Cambridge Industries USA
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	CAMB01 - WF 802 FCC IC
Date EUT received:	20 th July 2017
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407
Dates of test (from - to):	20 th – 21 st July 2017
No of Units Tested:	1
Product Family Name:	WF-802
Model(s):	WF-802-W
Location for use:	Indoors
Declared Frequency Range(s):	5250 - 5350 MHz; 5470 - 5725 MHz
Type of Modulation:	OFDM
EUT Modes of Operation:	802.11a; 802.11n HT-20; 802.11n HT-40; 802.11ac-80;
Declared Nominal Output Power:	Client Declared +17 dBm/chain
Transmit/Receive Operation:	Transceiver – Half Duplex
Rated Input Voltage and Current:	5.1V – 2.1A DC
Operating Temperature Range:	0°C to +45°C
Equipment Dimensions:	17 x 118 x 63 mm
Weight:	200 g
Hardware Rev:	AM3-Final
Software Rev:	R3.1.00.F028

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5.2. Scope Of Test Program

Cambridge Industries USA WF-802-W

The scope of the test program was to test the Cambridge Industries USA WF-802-W configuration in the frequency ranges 5250 - 5350 MHz; 5470 - 5725 MHz for compliance against the following specification:

FCC CFR 47 Part 15 Subpart E 15.407

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

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

Type	Description	Manufacturer	Model	Serial no.	Delivery Date
EUT	802.11b/g/n/ac access point with PLC backhaul.	Cambridge Industries Group USA	WF-802-W	30513182	20 th July 2017

5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
integral	Walsin	Custom	15	3.0	3.0	360	-	5250 – 5350 5470 – 5725

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

5.5. Cabling and I/O Ports

Port Type	Max Cable Length	# of Ports	Screened	Conn Type	Data Type	Bit Rate
Ethernet	>100 m	2	Unshielded	RJ-45	Data	10/100/1000
Ac NEMA	< 3 m	1	Unshielded	USB Type-C	Data	10/100/1000

5.6. Test Configurations

Results for the following configurations are provided in this report:

Operational Mode(s) (802.11a/b/g/n/ac)	Data Rate MBit/s	Channel Frequency (MHz)		
		Low	Mid	High
5470 - 5725 MHz				
a	6	5,500.00	--	--
ac-80	29.3	5,530.00	--	--
HT-40	18.5	5,510.00	--	--

5.7. Equipment Modifications

The following modifications were required to bring the equipment into compliance:

1. NONE

5.8. Deviations from the Test Standard

The following deviations from the test standard were required in order to complete the test program:

1. NONE

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6. TEST SUMMARY

List of Measurements

Test Header	Result	Data Link
Dynamic Frequency Selection (DFS)	Complies	-
Channel Availability Check	Complies	-
Initial CAC	Complies	View Data
Beginning CAC	Complies	View Data
End CAC	Complies	View Data
Channel Close / Transmission Time	Complies	View Data
Non-Occupancy Period	Complies	View Data
Probability of Detection	Complies	View Data
Detection Bandwidth	Complies	View Data

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7. TEST EQUIPMENT CONFIGURATION(S)

7.1. DFS - Conducted

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.

Test Environment: Conducted

Antenna Gain used for Testing: 3.0 dBi

802.11a: Transmit Power: 17 dBm Data Rate: 6 Mbit/s Duty Cycle: 17%

802.11ac-80: Transmit Power: 17 dBm Data Rate: 29 Mbit/s Duty Cycle: 17%

802.11n HT-40: Transmit Power: 17 dBm Data Rate: 18 Mbit/s Duty Cycle: 17%

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.

EUT Software Version: R3.1.00.F028

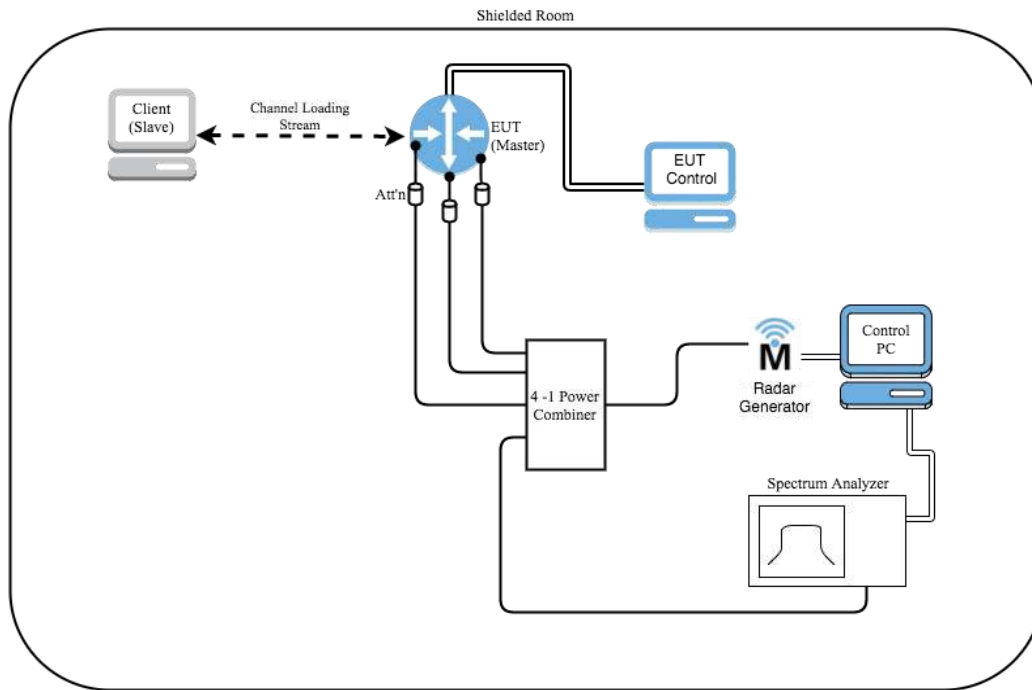
Test Environmental Conditions - Ambient:

Temperature: 17 to 23 °C

Relative humidity: 31 to 57%

Pressure: 999 to 1012 mbar

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

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
158	Barometer/Thermometer	Control Company	4196	E2846	30 Nov 2017
299	Test Software DFS Test System	Aeroflex	DFS test Software	V2.7.0	Not Required
359	DFS System	Aeroflex	PXI-1042	300001/004	10 Jan 2018
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
71	Spectrum Analyzer 9KHz-50GHz	HP	8565E	3425A00181	6 Aug 2017
DFS PCIe#1	PCIe cable for Aeroflex	National Instruments	PCIe cable	None	Not Required
DFS SMA#1	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#2	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used
DFS SMA#3	SMA Cable for DFS	Megaphase	SMA Cable	None	Cal when used

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8. MEASUREMENT AND PRESENTATION OF TEST DATA

The measurement and graphical data presented in this test report was generated automatically using state-of-the-art technology creating an easy to read report structure. Numerical measurement data is separated from supporting graphical data (plots) through hyperlinks. Numerical measurement data can be reviewed without scrolling through numerous graphical pages to arrive at the next data matrix.

Plots have been relegated into the Appendix 'Graphical Data'.

Test and report automation was performed by [MiTest](#). [MiTest](#) is an automated test system developed by MiCOM Labs. [MiTest](#) is the first cloud based modular test system enabling end-to-end automation of regulatory compliance testing for conducted RF testing.



The MiCOM Labs "[MiTest](#)" Automated Test System" (Patent Pending)

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9. TEST RESULTS

9.1. Dynamic Frequency Selection (DFS)

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.



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

9.1.1. 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.



9.1.2. Client Devices

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.

9.1.3. DFS Detection Thresholds

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

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

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

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

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

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



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9.1.4. Response Requirements

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

DFS Response Requirement Values

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

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

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

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



9.1.5. Radar Test Waveforms

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

9.1.5.1. 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	$\text{Roundup}\left(\frac{1}{360}\right)$ $\left(\frac{19 \cdot 10^6}{\text{PRI}_{(\text{min})}}\right)$	60%	30
		Test B: 15 unique PRI values randomly selected in the range 518-3066 μS, with a minimum increment of 1 μS, excluding PRI values selected in Test A			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Radar Pulse Type 0 should be used for the Detection Bandwidth test, Channel Move Time and Channel Closing Time tests					

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



9.1.5.2. 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:

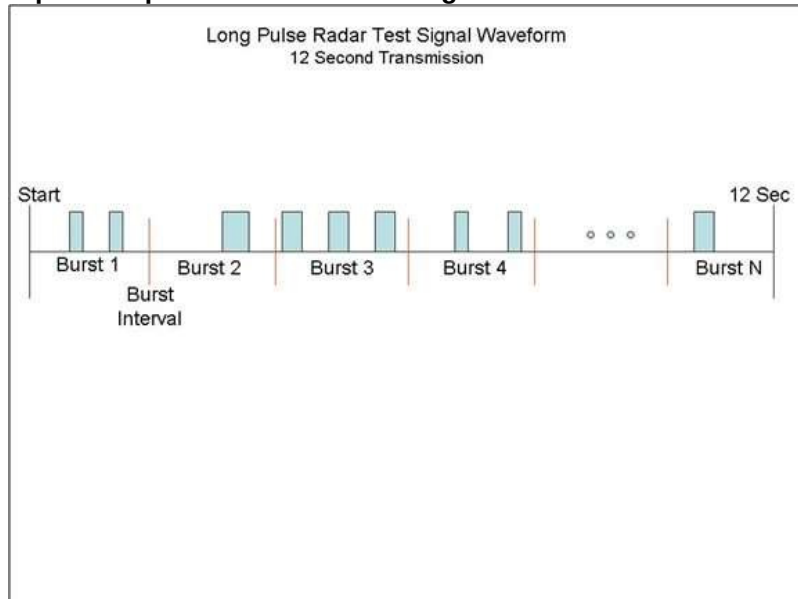
1. The transmission period for the Long Pulse Radar test signal is 12 seconds.
2. There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst Count.
3. Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly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



A representative example of a Long Pulse radar test waveform:

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

Graphical representation of the Long Pulse Radar Test Waveform.





9.1.5.3. Frequency Hopping Radar Test Waveform

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

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

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

9.1.6. 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 1 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).



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9.1.7. Channel Availability Check

9.1.7.1. 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 starts 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.

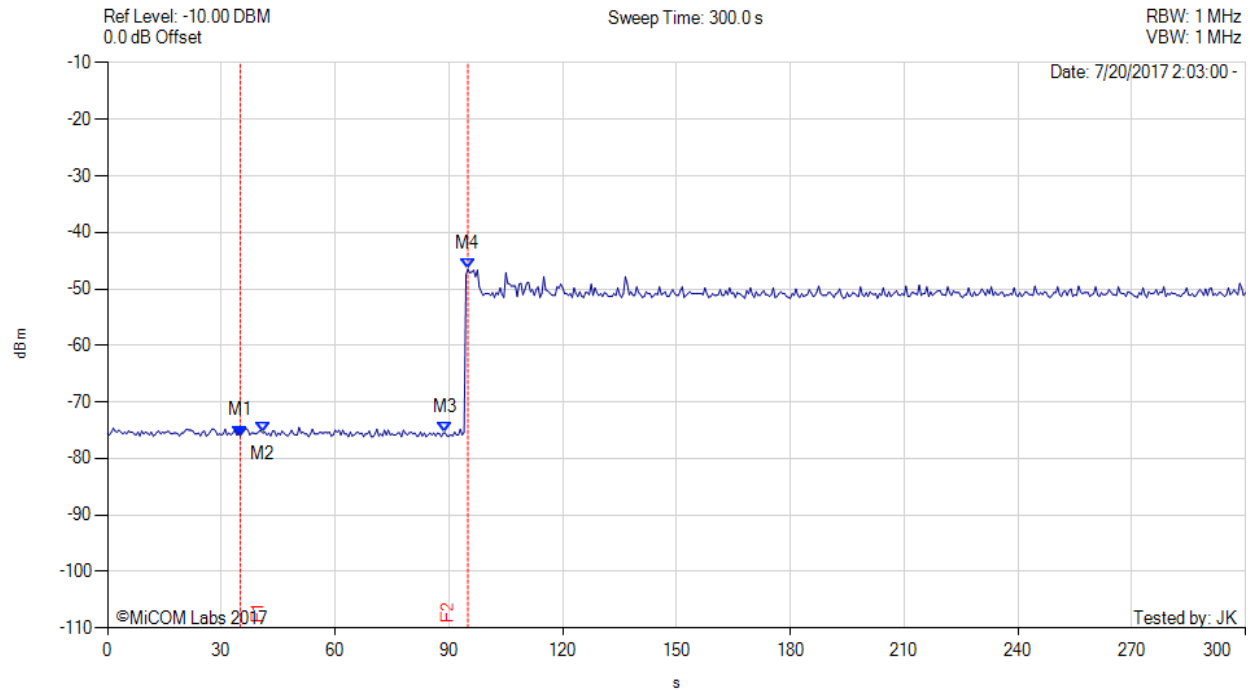


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INITIAL CAC

Variant: 802.11ac-80, Channel: 5530.00 MHz, Data Rate: 29 Mbit/s, Duty Cycle : 17.00%, Antenna Gain: 3.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 35.000 s : -76.000 dBm M2 : 41.000 s : -75.500 dBm M3 : 89.000 s : -75.500 dBm M4 : 95.000 s : -46.500 dBm	Monitored Frequency: 5500.00 MHz F2 - F1 = 95.000 s - 35.000 s = 60.000 s

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9.1.7.2. 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 0 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.

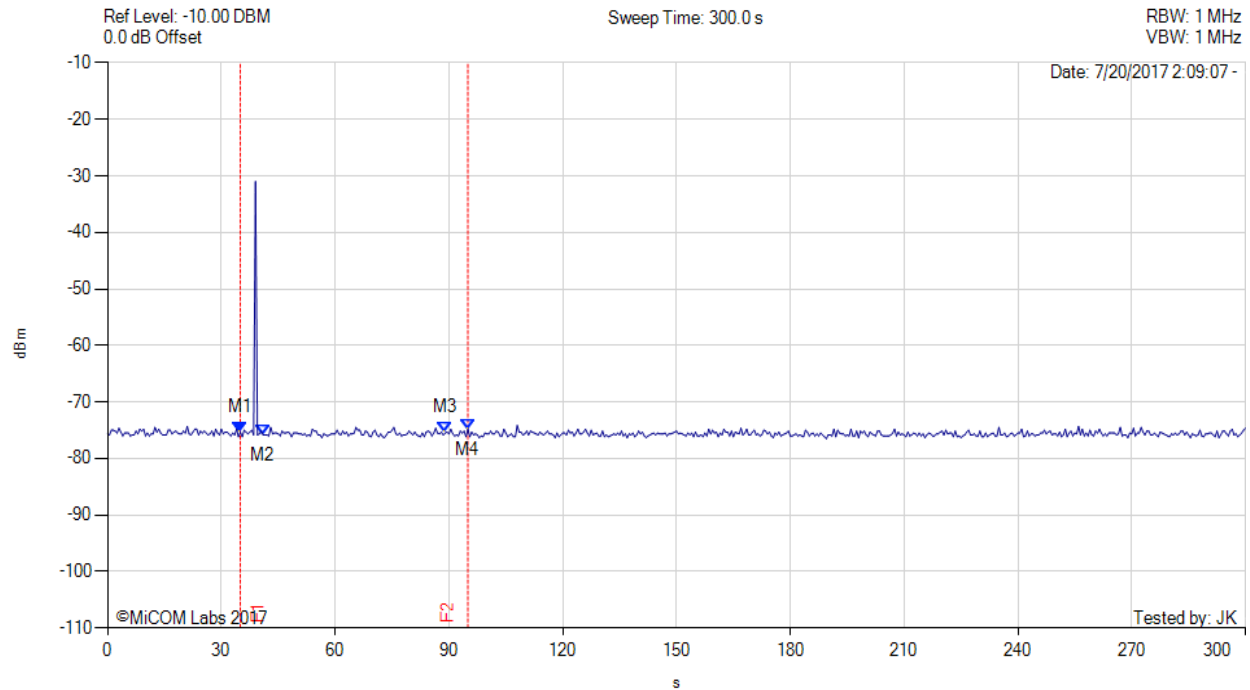


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BEGINNING CAC

Variant: 802.11ac-80, Channel: 5530.00 MHz, Data Rate: 29 Mbit/s, Duty Cycle : 17.00%, Antenna Gain: 3.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 35.000 s : -75.330 dBm M2 : 41.000 s : -75.830 dBm M3 : 89.000 s : -75.500 dBm M4 : 95.000 s : -74.830 dBm	Monitored Frequency: 5500.00 MHz F2 - F1 = 95.000 s - 35.000 s = 60.000 s

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9.1.7.3. 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 0 will commence within a 6 second window starting at T0 + 54 seconds. The window will commence at marker 3 and end at the red time line T2 (T0 + 60 secs)

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

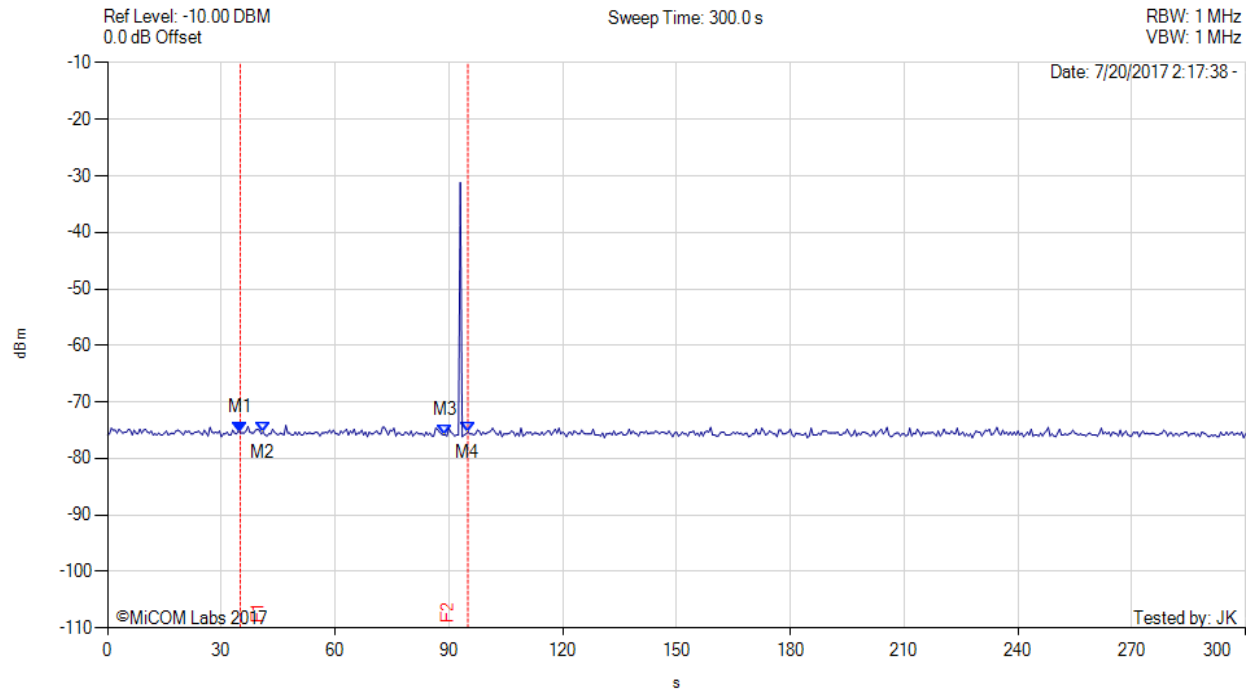


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END CAC



Variant: 802.11ac-80, Channel: 5530.00 MHz, Data Rate: 29 Mbit/s, Duty Cycle : 17.00%, Antenna Gain: 3.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 35.000 s : -75.500 dBm M2 : 41.000 s : -75.330 dBm M3 : 89.000 s : -75.830 dBm M4 : 95.000 s : -75.330 dBm	Monitored Frequency: 5500.00 MHz F2 - F1 = 95.000 s - 35.000 s = 60.000 s

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9.1.8. Channel Close / Transmission Time

The steps below define the procedure to determine the above-mentioned parameters 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 EUT will be associated with a support U-NII device in order to setup an appropriate transmission media in accordance with the FCC requirements.

The EUT was monitored on a frequency that contained control beacons.

Channel Closing Transmission Time and Channel Move Time - Measurement

The test system was set-up to capture all transmission data for access point events above a threshold level of -50 dBm. The test equipment time stamps all captured events.

A Type 0 waveform was introduced to the EUT, from which a 12 second transmission record was digitally captured. The start of the Type 0 radar waveform is indicated in the test result plot as "Start Waveform", the end of the waveform is indicated as "End waveform".

Channel Closing Transmission Time, and the Channel Move Time start immediately after the last radar pulse is transmitted.

The aggregate of all pulses seen after the end of the radar injection are measured as the "Channel Closing Transmission time".

The last EUT activity after the end of the radar pulse is identified and used to determine the "Channel Move Time"



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Frequency 5530 MHz Channel 106 Monitored 5500 MHz

The PXI system measures and aggregates the pulses occurring after the end of the radar pulse to determine; -

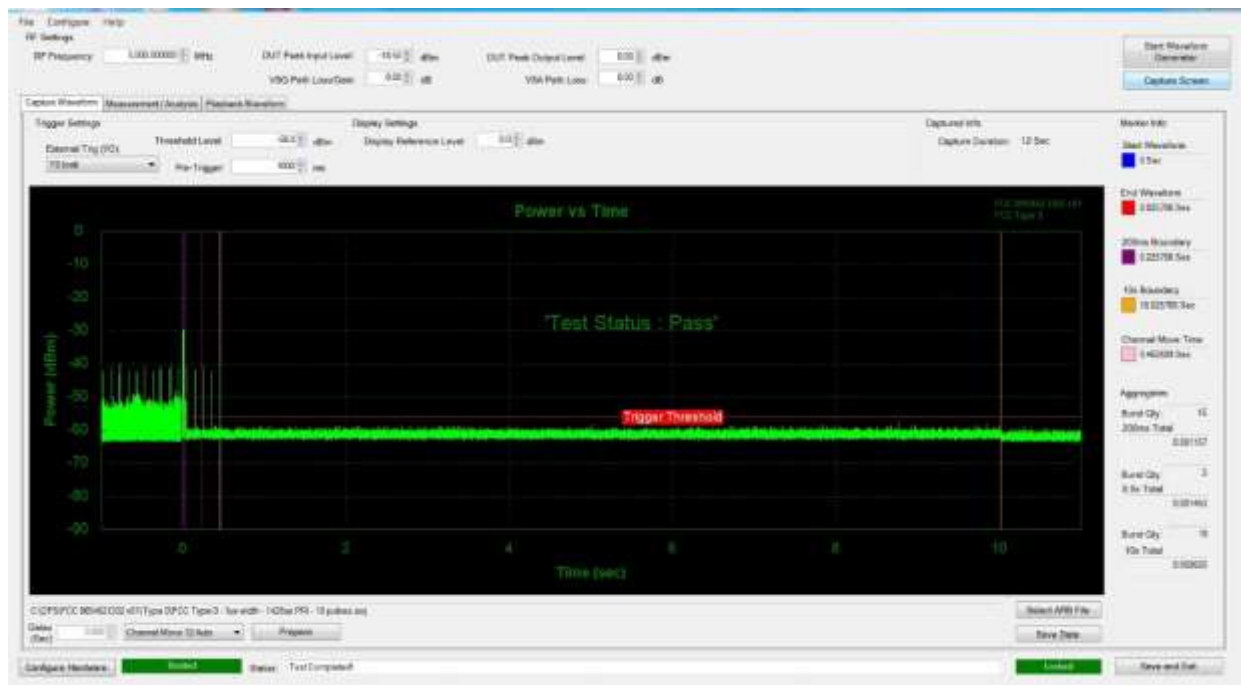
1) Channel Closing Transmission Time (limit is 260 millisecond)

2) Channel Move Time (limit is 10 seconds)

1) Channel Closing Transmission Time = 2.620 mSecs

2) Channel Move Time = 0.462689 Secs

**Channel Move Time, Channel Closing Transmission Time for Type Radar
Captured by the Test System - 0-12 Seconds**



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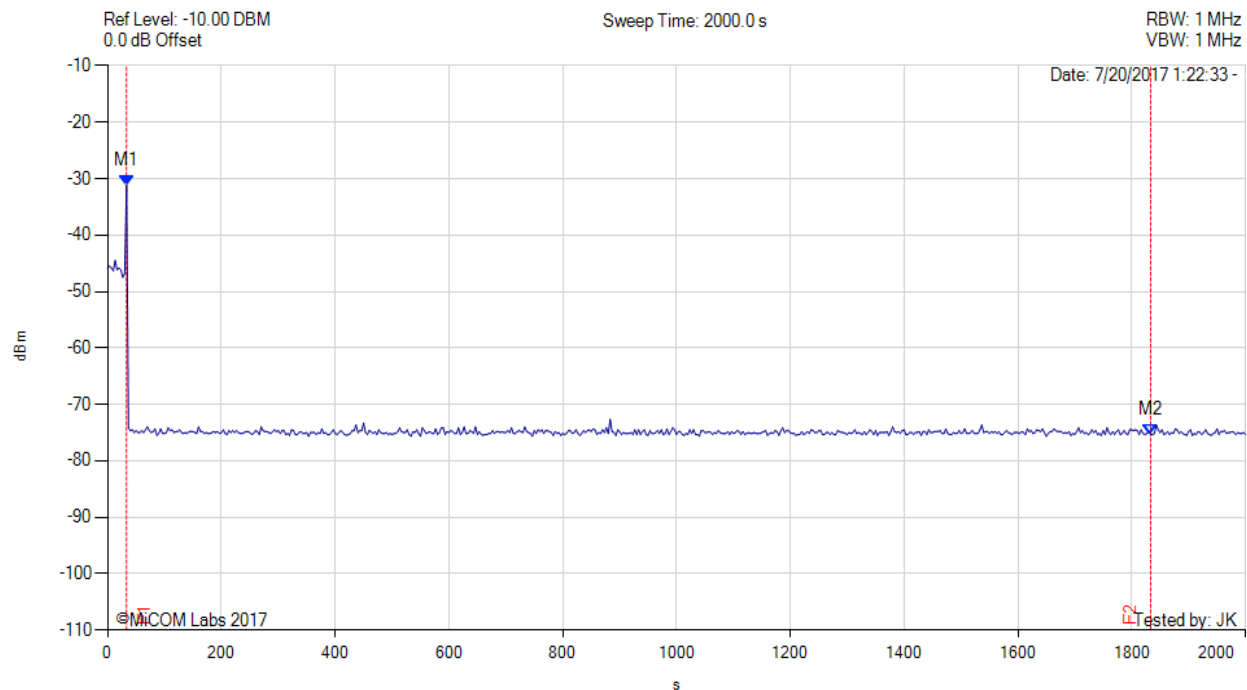
9.1.9. Non-Occupancy Period

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: 29 Mbit/s, Duty Cycle : 17.00%, Antenna Gain: 3.00 dBi



Analyzer Setup	Marker:Time:Amplitude	Test Results
Detector = POS Sweep Count = View RF Atten (dB) = 0 Trace Mode = 0	M1 : 33.330 s : -31.160 dBm M2 : 1833.330 s : -75.330 dBm	Monitored Frequency: 5500.00 MHz F2 – F1 = 1833.330 s – 33.330 s = 1800.00 s

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9.1.10. 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	Minimum 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%			



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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	30	100.00%	Complies	View Data
Radar Type 4	30	30	100.00%	Complies	View Data
Aggregate (100.00% + 100.00% + 100.00% + 100.00%) / 4 = 100.00%				Complies	--
Radar Type 5	30	30	100.00%	Complies	View Data
Radar Type 6	30	30	100.00%	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	30	100.00%	Complies	View Data
Radar Type 2	30	29	96.67%	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% + 96.67% + 100.00% + 96.67%) / 4 = 98.34%				Complies	--
Radar Type 5	30	30	100.00%	Complies	View Data
Radar Type 6	30	30	100.00%	Complies	View Data

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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	29	96.67%	Complies	View Data
Radar Type 4	30	29	96.67%	Complies	View Data
Aggregate (100.00% + 100.00% + 96.67% + 96.67%) / 4 = 98.34%				Complies	--
Radar Type 5	30	30	100.00%	Complies	View Data
Radar Type 6	30	30	100.00%	Complies	View Data

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Equipment Configuration for Radar Type 1

Variant:	802.11a	Duty Cycle (%):	17.00
Data Rate:	6	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5504	1	778	68	1	1	100.00	Detecting
5497	1	3066	18	1	1	100.00	Detecting
5508	1	898	59	1	1	100.00	Detecting
5505	1	618	86	1	1	100.00	Detecting
5504	1	878	61	1	1	100.00	Detecting
5507	1	858	62	1	1	100.00	Detecting
5508	1	798	67	1	1	100.00	Detecting
5492	1	718	74	1	1	100.00	Detecting
5503	1	758	70	1	1	100.00	Detecting
5498	1	838	63	1	1	100.00	Detecting
5503	1	938	57	1	1	100.00	Detecting
5501	1	578	92	1	1	100.00	Detecting
5496	1	738	72	1	1	100.00	Detecting
5505	1	638	83	1	1	100.00	Detecting
5493	1	698	76	1	1	100.00	Detecting
5498	1	918	58	1	1	100.00	Detecting
5497	1	2501	22	1	1	100.00	Detecting
5505	1	1853	29	1	1	100.00	Detecting
5503	1	2916	19	1	1	100.00	Detecting
5507	1	1439	37	1	1	100.00	Detecting
5504	1	668	80	1	1	100.00	Detecting
5497	1	2718	20	1	1	100.00	Detecting
5506	1	2415	22	1	1	100.00	Detecting
5508	1	2159	25	1	1	100.00	Detecting
5504	1	1802	30	1	1	100.00	Detecting
5504	1	2873	19	1	1	100.00	Detecting
5495	1	2231	24	1	1	100.00	Detecting
5496	1	1840	29	1	1	100.00	Detecting
5504	1	2464	22	1	1	100.00	Detecting
5507	1	970	55	1	1	100.00	Detecting
Aggregate:				30	30	100.00	Pass

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Equipment Configuration for Radar Type 2

Variant:	802.11a	Duty Cycle (%):	17.00
Data Rate:	6	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5493	1	167	28	1	1	100.00	Detecting
5507	3	152	27	1	1	100.00	Detecting
5502	2	226	27	1	1	100.00	Detecting
5494	4	228	28	1	1	100.00	Detecting
5498	5	192	27	1	1	100.00	Detecting
5506	3	198	29	1	1	100.00	Detecting
5500	3	158	27	1	1	100.00	Detecting
5499	5	215	29	1	1	100.00	Detecting
5505	3	184	26	1	1	100.00	Detecting
5503	5	152	23	1	1	100.00	Detecting
5500	4	210	25	1	1	100.00	Detecting
5498	4	169	26	1	1	100.00	Detecting
5492	5	210	28	1	1	100.00	Detecting
5493	3	161	25	1	1	100.00	Detecting
5502	1	223	29	1	1	100.00	Detecting
5496	5	188	25	1	1	100.00	Detecting
5493	2	172	23	1	1	100.00	Detecting
5503	2	207	27	1	1	100.00	Detecting
5502	2	173	25	1	1	100.00	Detecting
5494	5	158	27	1	1	100.00	Detecting
5500	1	174	29	1	1	100.00	Detecting
5500	4	160	24	1	1	100.00	Detecting
5507	3	157	25	1	1	100.00	Detecting
5503	2	204	28	1	1	100.00	Detecting
5503	1	152	29	1	1	100.00	Detecting
5507	1	211	29	1	1	100.00	Detecting
5503	5	183	29	1	1	100.00	Detecting
5494	1	202	28	1	1	100.00	Detecting
5504	5	181	23	1	1	100.00	Detecting
5504	4	183	29	1	1	100.00	Detecting
Aggregate:				30	30	100.00	Pass

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Equipment Configuration for Radar Type 3

Variant:	802.11a	Duty Cycle (%):	17.00
Data Rate:	6	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5508	6	441	18	1	1	100.00	Detecting
5496	7	250	18	1	1	100.00	Detecting
5504	7	200	17	1	1	100.00	Detecting
5497	6	406	16	1	1	100.00	Detecting
5493	6	286	18	1	1	100.00	Detecting
5505	8	259	17	1	1	100.00	Detecting
5502	6	389	16	1	1	100.00	Detecting
5506	7	208	16	1	1	100.00	Detecting
5501	8	373	18	1	1	100.00	Detecting
5494	10	354	17	1	1	100.00	Detecting
5502	6	302	18	1	1	100.00	Detecting
5496	6	347	18	1	1	100.00	Detecting
5506	9	396	18	1	1	100.00	Detecting
5502	10	218	16	1	1	100.00	Detecting
5496	6	352	17	1	1	100.00	Detecting
5495	7	308	17	1	1	100.00	Detecting
5498	9	229	18	1	1	100.00	Detecting
5504	6	202	16	1	1	100.00	Detecting
5501	8	452	18	1	1	100.00	Detecting
5496	8	480	17	1	1	100.00	Detecting
5500	9	275	17	1	1	100.00	Detecting
5496	7	491	17	1	1	100.00	Detecting
5503	8	225	18	1	1	100.00	Detecting
5504	6	456	17	1	1	100.00	Detecting
5498	9	288	17	1	1	100.00	Detecting
5499	6	298	17	1	1	100.00	Detecting
5493	9	256	16	1	1	100.00	Detecting
5493	7	248	17	1	1	100.00	Detecting
5500	9	226	16	1	1	100.00	Detecting
5506	8	376	17	1	1	100.00	Detecting
Aggregate:				30	30	100.00	Pass

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Equipment Configuration for Radar Type 4

Variant:	802.11a	Duty Cycle (%):	17.00
Data Rate:	6	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5504	11	496	14	1	1	100.00	Detecting
5501	12	266	14	1	1	100.00	Detecting
5503	19	308	13	1	1	100.00	Detecting
5507	18	365	14	1	1	100.00	Detecting
5504	20	393	14	1	1	100.00	Detecting
5500	20	349	14	1	1	100.00	Detecting
5502	12	361	15	1	1	100.00	Detecting
5507	17	214	13	1	1	100.00	Detecting
5504	12	410	15	1	1	100.00	Detecting
5504	20	482	15	1	1	100.00	Detecting
5506	18	365	13	1	1	100.00	Detecting
5507	17	235	15	1	1	100.00	Detecting
5500	18	409	14	1	1	100.00	Detecting
5497	17	307	12	1	1	100.00	Detecting
5496	16	437	15	1	1	100.00	Detecting
5494	11	279	12	1	1	100.00	Detecting
5499	13	329	16	1	1	100.00	Detecting
5498	16	470	16	1	1	100.00	Detecting
5505	13	319	16	1	1	100.00	Detecting
5501	13	202	14	1	1	100.00	Detecting
5496	20	455	14	1	1	100.00	Detecting
5503	16	212	12	1	1	100.00	Detecting
5502	12	298	14	1	1	100.00	Detecting
5506	19	250	15	1	1	100.00	Detecting
5493	12	351	12	1	1	100.00	Detecting
5497	17	234	13	1	1	100.00	Detecting
5493	16	238	14	1	1	100.00	Detecting
5507	17	433	14	1	1	100.00	Detecting
5506	18	249	15	1	1	100.00	Detecting
5506	14	336	15	1	1	100.00	Detecting
Aggregate:				30	30	100.00	Pass

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Equipment Configuration for Radar Type 5

Variant:	802.11a	Duty Cycle (%):	17.00
Data Rate:	6	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5500	1	1	100	Detecting
Type 5 #2 5500	1	1	100	Detecting
Type 5 #3 5505	1	1	100	Detecting
Type 5 #4 5502	1	1	100	Detecting
Type 5 #5 5497	1	1	100	Detecting
Type 5 #6 5500	1	1	100	Detecting
Type 5 #7 5500	1	1	100	Detecting
Type 5 #8 5494	1	1	100	Detecting
Type 5 #9 5502	1	1	100	Detecting
Type 5 #10 5505	1	1	100	Detecting
Type 5 #11 5496	1	1	100	Detecting
Type 5 #12 5505	1	1	100	Detecting
Type 5 #13 5500	1	1	100	Detecting
Type 5 #14 5496	1	1	100	Detecting
Type 5 #15 5500	1	1	100	Detecting
Type 5 #16 5500	1	1	100	Detecting
Type 5 #17 5502	1	1	100	Detecting
Type 5 #18 5501	1	1	100	Detecting
Type 5 #19 5495	1	1	100	Detecting
Type 5 #20 5505	1	1	100	Detecting
Type 5 #21 5500	1	1	100	Detecting
Type 5 #22 5500	1	1	100	Detecting
Type 5 #23 5496	1	1	100	Detecting
Type 5 #24 5501	1	1	100	Detecting
Type 5 #25 5500	1	1	100	Detecting
Type 5 #26 5496	1	1	100	Detecting
Type 5 #27 5503	1	1	100	Detecting
Type 5 #28 5496	1	1	100	Detecting
Type 5 #29 5497	1	1	100	Detecting
Type 5 #30 5500	1	1	100	Detecting
Aggregate:	30	30	100.00	Pass

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Equipment Configuration for Radar Type 6

Variant:	802.11a	Duty Cycle (%):	17.00
Data Rate:	6	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

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

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Equipment Configuration for Radar Type 1

Variant:	802.11ac-80	Duty Cycle (%):	17.00
Data Rate:	29	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5560	1	718	74	1	1	100.00	Detecting
5559	1	738	72	1	1	100.00	Detecting
5532	1	698	76	1	1	100.00	Detecting
5534	1	898	59	1	1	100.00	Detecting
5523	1	638	83	1	1	100.00	Detecting
5513	1	678	78	1	1	100.00	Detecting
5506	1	558	95	1	1	100.00	Detecting
5565	1	778	68	1	1	100.00	Detecting
5554	1	818	65	1	1	100.00	Detecting
5549	1	658	81	1	1	100.00	Detecting
5532	1	878	61	1	1	100.00	Detecting
5533	1	598	89	1	1	100.00	Detecting
5517	1	538	99	1	1	100.00	Detecting
5502	1	858	62	1	1	100.00	Detecting
5533	1	618	86	1	1	100.00	Detecting
5511	1	3066	18	1	1	100.00	Detecting
5549	1	2937	18	1	1	100.00	Detecting
5550	1	2474	22	1	1	100.00	Detecting
5501	1	2999	18	1	1	100.00	Detecting
5511	1	2962	18	1	1	100.00	Detecting
5539	1	1252	43	1	1	100.00	Detecting
5525	1	2906	19	1	1	100.00	Detecting
5536	1	2122	25	1	1	100.00	Detecting
5510	1	2184	25	1	1	100.00	Detecting
5501	1	1586	34	1	1	100.00	Detecting
5530	1	806	66	1	1	100.00	Detecting
5553	1	1622	33	1	1	100.00	Detecting
5504	1	2975	18	1	1	100.00	Detecting
5562	1	1078	49	1	1	100.00	Detecting
5513	1	1596	34	1	1	100.00	Detecting
Aggregate:				30	30	100.00	Pass

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Equipment Configuration for Radar Type 2

Variant:	802.11ac-80	Duty Cycle (%):	17.00
Data Rate:	29	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5521	4	189	25	1	1	100.00	Detecting
5563	5	213	25	1	1	100.00	Detecting
5515	3	153	28	1	1	100.00	Detecting
5493	4	211	28	1	1	100.00	Detecting
5499	1	177	26	1	1	100.00	Detecting
5533	4	198	26	1	1	100.00	Detecting
5498	1	162	25	1	1	100.00	Detecting
5530	4	217	29	1	1	100.00	Detecting
5530	5	186	25	1	1	100.00	Detecting
5493	2	184	29	1	1	100.00	Detecting
5520	3	152	23	1	0	0.00	Not Detecting
5549	3	157	23	1	1	100.00	Detecting
5494	2	184	25	1	1	100.00	Detecting
5542	1	211	27	1	1	100.00	Detecting
5568	5	190	26	1	1	100.00	Detecting
5522	5	172	24	1	1	100.00	Detecting
5559	5	180	29	1	1	100.00	Detecting
5547	2	153	28	1	1	100.00	Detecting
5503	5	229	27	1	1	100.00	Detecting
5499	2	158	25	1	1	100.00	Detecting
5519	1	167	27	1	1	100.00	Detecting
5511	5	160	28	1	1	100.00	Detecting
5510	4	200	24	1	1	100.00	Detecting
5516	3	190	24	1	1	100.00	Detecting
5557	1	227	25	1	1	100.00	Detecting
5499	4	209	25	1	1	100.00	Detecting
5503	3	150	24	1	1	100.00	Detecting
5568	1	188	23	1	1	100.00	Detecting
5549	5	165	29	1	1	100.00	Detecting
5535	2	199	23	1	1	100.00	Detecting
Aggregate:				30	29	96.67	Pass

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Equipment Configuration for Radar Type 3

Variant:	802.11ac-80	Duty Cycle (%):	17.00
Data Rate:	29	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5532	10	484	18	1	1	100.00	Detecting
5501	8	203	16	1	1	100.00	Detecting
5493	6	372	18	1	1	100.00	Detecting
5568	6	455	18	1	1	100.00	Detecting
5539	8	417	18	1	1	100.00	Detecting
5521	9	491	17	1	1	100.00	Detecting
5554	6	224	16	1	1	100.00	Detecting
5507	7	212	18	1	1	100.00	Detecting
5551	10	306	18	1	1	100.00	Detecting
5530	6	222	16	1	1	100.00	Detecting
5525	10	231	18	1	1	100.00	Detecting
5539	8	227	17	1	1	100.00	Detecting
5560	10	368	17	1	1	100.00	Detecting
5554	10	309	16	1	1	100.00	Detecting
5522	10	207	16	1	1	100.00	Detecting
5547	8	405	17	1	1	100.00	Detecting
5550	7	237	16	1	1	100.00	Detecting
5547	9	478	17	1	1	100.00	Detecting
5564	7	394	18	1	1	100.00	Detecting
5533	10	362	17	1	1	100.00	Detecting
5509	7	493	17	1	1	100.00	Detecting
5560	9	274	18	1	1	100.00	Detecting
5508	6	218	17	1	1	100.00	Detecting
5499	8	419	17	1	1	100.00	Detecting
5567	10	261	18	1	1	100.00	Detecting
5560	10	325	16	1	1	100.00	Detecting
5512	9	331	18	1	1	100.00	Detecting
5534	7	412	18	1	1	100.00	Detecting
5537	6	274	16	1	1	100.00	Detecting
5568	6	235	17	1	1	100.00	Detecting
Aggregate:				30	30	100.00	Pass

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Equipment Configuration for Radar Type 4

Variant:	802.11ac-80	Duty Cycle (%):	17.00
Data Rate:	29	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5552	16	477	16	1	1	100.00	Detecting
5515	12	206	14	1	1	100.00	Detecting
5548	14	466	14	1	1	100.00	Detecting
5523	14	214	13	1	1	100.00	Detecting
5500	13	245	16	1	1	100.00	Detecting
5558	11	344	16	1	1	100.00	Detecting
5567	16	305	14	1	1	100.00	Detecting
5514	15	257	14	1	0	0.00	Not Detecting
5523	13	391	16	1	1	100.00	Detecting
5546	20	200	15	1	1	100.00	Detecting
5522	12	279	15	1	1	100.00	Detecting
5506	18	479	14	1	1	100.00	Detecting
5557	17	410	15	1	1	100.00	Detecting
5540	18	300	16	1	1	100.00	Detecting
5534	12	385	14	1	1	100.00	Detecting
5540	11	394	12	1	1	100.00	Detecting
5512	12	480	14	1	1	100.00	Detecting
5509	14	497	13	1	1	100.00	Detecting
5509	16	234	15	1	1	100.00	Detecting
5559	14	491	13	1	1	100.00	Detecting
5553	17	342	16	1	1	100.00	Detecting
5504	19	262	15	1	1	100.00	Detecting
5513	17	337	13	1	1	100.00	Detecting
5550	15	313	15	1	1	100.00	Detecting
5522	12	428	12	1	1	100.00	Detecting
5557	17	294	14	1	1	100.00	Detecting
5543	11	263	16	1	1	100.00	Detecting
5554	19	443	12	1	1	100.00	Detecting
5532	14	426	13	1	1	100.00	Detecting
5526	14	282	16	1	1	100.00	Detecting
Aggregate:				30	29	96.67	Pass

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Equipment Configuration for Radar Type 5

Variant:	802.11ac-80	Duty Cycle (%):	17.00
Data Rate:	29	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5560	1	1	100	Detecting
Type 5 #2 5530	1	1	100	Detecting
Type 5 #3 5565	1	1	100	Detecting
Type 5 #4 5530	1	1	100	Detecting
Type 5 #5 5530	1	1	100	Detecting
Type 5 #6 5500	1	1	100	Detecting
Type 5 #7 5566	1	1	100	Detecting
Type 5 #8 5494	1	1	100	Detecting
Type 5 #9 5530	1	1	100	Detecting
Type 5 #10 5565	1	1	100	Detecting
Type 5 #11 5496	1	1	100	Detecting
Type 5 #12 5495	1	1	100	Detecting
Type 5 #13 5500	1	1	100	Detecting
Type 5 #14 5496	1	1	100	Detecting
Type 5 #15 5530	1	1	100	Detecting
Type 5 #16 5495	1	1	100	Detecting
Type 5 #17 5530	1	1	100	Detecting
Type 5 #18 5530	1	1	100	Detecting
Type 5 #19 5495	1	1	100	Detecting
Type 5 #20 5495	1	1	100	Detecting
Type 5 #21 5560	1	1	100	Detecting
Type 5 #22 5530	1	1	100	Detecting
Type 5 #23 5530	1	1	100	Detecting
Type 5 #24 5530	1	1	100	Detecting
Type 5 #25 5562	1	1	100	Detecting
Type 5 #26 5564	1	1	100	Detecting
Type 5 #27 5497	1	1	100	Detecting
Type 5 #28 5564	1	1	100	Detecting
Type 5 #29 5563	1	1	100	Detecting
Type 5 #30 5564	1	1	100	Detecting
Aggregate:	30	30	100.00	Pass

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Equipment Configuration for Radar Type 6

Variant:	802.11ac-80	Duty Cycle (%):	17.00
Data Rate:	29	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

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

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Equipment Configuration for Radar Type 1

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	18	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5512	1	558	95	1	1	100.00	Detecting
5490	1	818	65	1	1	100.00	Detecting
5529	1	578	92	1	1	100.00	Detecting
5505	1	538	99	1	1	100.00	Detecting
5491	1	858	62	1	1	100.00	Detecting
5505	1	938	57	1	1	100.00	Detecting
5494	1	738	72	1	1	100.00	Detecting
5507	1	898	59	1	1	100.00	Detecting
5522	1	718	74	1	1	100.00	Detecting
5527	1	798	67	1	1	100.00	Detecting
5514	1	598	89	1	1	100.00	Detecting
5493	1	778	68	1	1	100.00	Detecting
5496	1	838	63	1	1	100.00	Detecting
5498	1	658	81	1	1	100.00	Detecting
5519	1	698	76	1	1	100.00	Detecting
5526	1	618	86	1	1	100.00	Detecting
5511	1	2171	25	1	1	100.00	Detecting
5493	1	2646	20	1	1	100.00	Detecting
5528	1	1241	43	1	1	100.00	Detecting
5495	1	2368	23	1	1	100.00	Detecting
5496	1	864	62	1	1	100.00	Detecting
5517	1	1581	34	1	1	100.00	Detecting
5498	1	1230	43	1	1	100.00	Detecting
5495	1	2316	23	1	1	100.00	Detecting
5516	1	756	70	1	1	100.00	Detecting
5505	1	1918	28	1	1	100.00	Detecting
5505	1	1462	37	1	1	100.00	Detecting
5527	1	1915	28	1	1	100.00	Detecting
5497	1	2062	26	1	1	100.00	Detecting
5512	1	529	100	1	1	100.00	Detecting
Aggregate:				30	30	100.00	Pass

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Equipment Configuration for Radar Type 2

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	18	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5500	5	166	26	1	1	100.00	Detecting
5493	1	228	28	1	1	100.00	Detecting
5504	2	164	23	1	1	100.00	Detecting
5515	5	166	23	1	1	100.00	Detecting
5526	3	161	23	1	1	100.00	Detecting
5522	2	163	26	1	1	100.00	Detecting
5513	2	199	28	1	1	100.00	Detecting
5528	3	199	29	1	1	100.00	Detecting
5493	3	181	27	1	1	100.00	Detecting
5499	2	185	23	1	1	100.00	Detecting
5511	5	190	27	1	1	100.00	Detecting
5494	2	202	28	1	1	100.00	Detecting
5511	3	150	24	1	1	100.00	Detecting
5518	5	209	25	1	1	100.00	Detecting
5510	1	159	29	1	1	100.00	Detecting
5493	1	170	23	1	1	100.00	Detecting
5511	5	174	24	1	1	100.00	Detecting
5500	5	198	26	1	1	100.00	Detecting
5516	4	185	27	1	1	100.00	Detecting
5498	3	203	27	1	1	100.00	Detecting
5501	1	222	28	1	1	100.00	Detecting
5495	1	154	27	1	1	100.00	Detecting
5508	3	163	26	1	1	100.00	Detecting
5505	2	213	24	1	1	100.00	Detecting
5513	2	179	29	1	1	100.00	Detecting
5514	3	189	26	1	1	100.00	Detecting
5499	1	183	23	1	1	100.00	Detecting
5494	4	176	24	1	1	100.00	Detecting
5521	5	230	29	1	1	100.00	Detecting
5507	1	196	24	1	1	100.00	Detecting
Aggregate:				30	30	100.00	Pass

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Equipment Configuration for Radar Type 3

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	18	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5499	9	288	16	1	1	100.00	Detecting
5521	9	445	17	1	1	100.00	Detecting
5510	8	212	18	1	1	100.00	Detecting
5510	8	333	18	1	1	100.00	Detecting
5507	10	215	16	1	0	0.00	Not Detecting
5526	8	389	18	1	1	100.00	Detecting
5523	8	404	17	1	1	100.00	Detecting
5503	7	274	16	1	1	100.00	Detecting
5519	8	227	16	1	1	100.00	Detecting
5499	8	280	18	1	1	100.00	Detecting
5503	10	497	17	1	1	100.00	Detecting
5514	6	344	16	1	1	100.00	Detecting
5522	9	429	16	1	1	100.00	Detecting
5505	10	439	17	1	1	100.00	Detecting
5494	7	336	17	1	1	100.00	Detecting
5495	9	311	17	1	1	100.00	Detecting
5523	7	492	18	1	1	100.00	Detecting
5493	8	383	16	1	1	100.00	Detecting
5500	10	263	16	1	1	100.00	Detecting
5498	10	278	18	1	1	100.00	Detecting
5494	8	458	18	1	1	100.00	Detecting
5501	10	410	17	1	1	100.00	Detecting
5508	8	427	17	1	1	100.00	Detecting
5510	10	470	18	1	1	100.00	Detecting
5528	8	371	18	1	1	100.00	Detecting
5516	10	240	18	1	1	100.00	Detecting
5511	8	429	18	1	1	100.00	Detecting
5509	9	297	16	1	1	100.00	Detecting
5525	6	318	17	1	1	100.00	Detecting
5503	7	243	16	1	1	100.00	Detecting
Aggregate:				30	29	96.67	Pass

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Equipment Configuration for Radar Type 4

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	18	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency (MHz)	Pulse Width (us)	PRI (us)	# Pulses	Injections	Detections	Detection Rate	Result
5528	11	250	15	1	1	100.00	Detecting
5505	14	407	12	1	1	100.00	Detecting
5507	14	214	12	1	1	100.00	Detecting
5526	20	493	16	1	1	100.00	Detecting
5499	11	274	14	1	1	100.00	Detecting
5505	12	491	16	1	1	100.00	Detecting
5501	13	481	14	1	1	100.00	Detecting
5510	14	206	16	1	1	100.00	Detecting
5519	12	485	13	1	1	100.00	Detecting
5513	11	352	15	1	1	100.00	Detecting
5524	15	308	14	1	1	100.00	Detecting
5514	15	242	12	1	0	0.00	Not Detecting
5495	11	357	15	1	1	100.00	Detecting
5518	20	420	16	1	1	100.00	Detecting
5521	19	288	12	1	1	100.00	Detecting
5501	13	262	12	1	1	100.00	Detecting
5501	11	468	15	1	1	100.00	Detecting
5492	16	277	16	1	1	100.00	Detecting
5520	18	419	12	1	1	100.00	Detecting
5493	17	233	15	1	1	100.00	Detecting
5502	18	309	14	1	1	100.00	Detecting
5507	14	363	15	1	1	100.00	Detecting
5523	14	379	12	1	1	100.00	Detecting
5498	14	230	14	1	1	100.00	Detecting
5492	14	275	13	1	1	100.00	Detecting
5514	18	334	15	1	1	100.00	Detecting
5506	18	479	15	1	1	100.00	Detecting
5526	12	490	15	1	1	100.00	Detecting
5503	11	451	12	1	1	100.00	Detecting
5518	15	403	14	1	1	100.00	Detecting
Aggregate:				30	29	96.67	Pass

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Equipment Configuration for Radar Type 5

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	18	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Burst Segment	Injections	Detections	Detection Rate	Result
Type 5 #1 5500	1	1	100	Detecting
Type 5 #2 5510	1	1	100	Detecting
Type 5 #3 5525	1	1	100	Detecting
Type 5 #4 5498	1	1	100	Detecting
Type 5 #5 5497	1	1	100	Detecting
Type 5 #6 5520	1	1	100	Detecting
Type 5 #7 5510	1	1	100	Detecting
Type 5 #8 5526	1	1	100	Detecting
Type 5 #9 5498	1	1	100	Detecting
Type 5 #10 5510	1	1	100	Detecting
Type 5 #11 5524	1	1	100	Detecting
Type 5 #12 5510	1	1	100	Detecting
Type 5 #13 5500	1	1	100	Detecting
Type 5 #14 5496	1	1	100	Detecting
Type 5 #15 5510	1	1	100	Detecting
Type 5 #16 5525	1	1	100	Detecting
Type 5 #17 5498	1	1	100	Detecting
Type 5 #18 5499	1	1	100	Detecting
Type 5 #19 5525	1	1	100	Detecting
Type 5 #20 5495	1	1	100	Detecting
Type 5 #21 5520	1	1	100	Detecting
Type 5 #22 5499	1	1	100	Detecting
Type 5 #23 5524	1	1	100	Detecting
Type 5 #24 5521	1	1	100	Detecting
Type 5 #25 5510	1	1	100	Detecting
Type 5 #26 5510	1	1	100	Detecting
Type 5 #27 5510	1	1	100	Detecting
Type 5 #28 5510	1	1	100	Detecting
Type 5 #29 5523	1	1	100	Detecting
Type 5 #30 5496	1	1	100	Detecting
Aggregate:	30	30	100.00	Pass

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Equipment Configuration for Radar Type 6

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	18	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

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

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9.1.11. 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.



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Equipment Configuration for Detection Bandwidth

Variant:	802.11a	Duty Cycle (%):	17.00
Data Rate:	6	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5500.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Result
5515 MHz	2	0	Not Detected
5511 MHz	2	0	Not Detected
5510 MHz	10	10	Detected
5505 MHz	10	10	Detected
5500 MHz	10	10	Detected
5495 MHz	10	10	Detected
5490 MHz	10	10	Detected
5489 MHz	2	0	Not Detected
5485 MHz	2	0	Not Detected
	FL: 5490 MHz	FH: 5510 MHz	FH – FL = 20 MHz

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Equipment Configuration for Detection Bandwidth

Variant:	802.11ac-80	Duty Cycle (%):	17.00
Data Rate:	29	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5530.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Result
5575 MHz	2	0	Not Detected
5571 MHz	2	0	Not Detected
5570 MHz	10	10	Detected
5565 MHz	10	10	Detected
5560 MHz	10	10	Detected
5555 MHz	10	10	Detected
5550 MHz	10	10	Detected
5545 MHz	10	10	Detected
5540 MHz	10	10	Detected
5535 MHz	10	10	Detected
5530 MHz	10	10	Detected
5525 MHz	10	10	Detected
5520 MHz	10	10	Detected
5515 MHz	10	10	Detected
5510 MHz	10	10	Detected
5505 MHz	10	10	Detected
5500 MHz	10	10	Detected
5495 MHz	10	10	Detected
5490 MHz	10	10	Detected
5489 MHz	2	0	Not Detected
5485 MHz	2	0	Not Detected
FL: 5490 MHz		FH: 5570 MHz	FH – FL = 80 MHz

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Equipment Configuration for Detection Bandwidth

Variant:	802.11n HT-40	Duty Cycle (%):	17.00
Data Rate:	18	Antenna Gain (dBi):	3.00
Modulation:	OFDM	Beam Forming Gain (Y):	Not Applicable
Channel Frequency:	5510.00 MHz	Tested By:	JK
Engineering Test Notes:			

Test Measurement Results

Frequency	Injections	Detections	Result
5535 MHz	2	0	Not Detected
5531 MHz	2	0	Not Detected
5530 MHz	10	10	Detected
5525 MHz	10	10	Detected
5520 MHz	10	10	Detected
5515 MHz	10	10	Detected
5510 MHz	10	10	Detected
5505 MHz	10	10	Detected
5500 MHz	10	10	Detected
5495 MHz	10	10	Detected
5490 MHz	10	10	Detected
5489 MHz	2	0	Not Detected
5485 MHz	2	0	Not Detected
	FL: 5490 MHz	FH: 5570 MHz	FH – FL = 80 MHz

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A. APPENDIX – RADAR SIGNATURES

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Type 5 #1 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	315408	86	1659	1380	1181295	1500000
2	3	19	943683	80	1235	1821	553021	1500000
3	3	19	1491740	77	1338	1655	5036	1500000
4	2	19	579811	61	1158	0	918909	1500000
5	3	19	1180350	89	1146	1441	316796	1500000
6	2	19	1192599	91	1291	0	305928	1500000
7	1	19	684071	73	0	0	815856	1500000
8	2	19	1418506	52	1517	0	79873	1500000

Type 5 #2 5500 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	8	680077	77	0	0	176988	857142
2	2	8	187653	88	1655	0	667658	857142
3	2	8	418372	95	1234	0	437346	857142
4	3	8	305782	86	1368	1721	548013	857142
5	2	8	395990	73	976	0	460030	857142
6	3	8	595306	77	1374	1385	258846	857142
7	2	8	201563	63	1654	0	653799	857142
8	1	8	27818	72	0	0	829252	857142
9	1	8	660240	53	0	0	196849	857142
10	3	8	711412	68	1322	1410	142794	857142
11	1	8	504440	53	0	0	352649	857142
12	1	8	593864	91	0	0	263187	857142
13	1	8	831707	82	0	0	25353	857142
14	1	8	287459	88	0	0	569595	857142

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Type 5 #3 5505 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	491538	89	1614	0	429746	923076
2	2	6	230023	89	1360	0	691515	923076
3	2	6	134760	57	1735	0	786467	923076
4	3	6	628843	81	1542	1723	290725	923076
5	3	6	299319	96	1221	1015	621233	923076
6	3	6	514534	65	1394	1791	405162	923076
7	3	6	493796	84	1652	1046	426330	923076
8	2	6	520346	100	1466	0	401064	923076
9	3	6	159464	77	1768	996	760617	923076
10	3	6	574160	68	1464	1697	345551	923076
11	3	6	884940	90	1333	1077	35456	923076
12	3	6	182801	84	1539	1512	736972	923076
13	1	6	450006	76	0	0	472994	923076

Type 5 #4 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	15	175639	91	0	0	455848	631578
2	2	15	302787	57	1830	0	326847	631578
3	3	15	17409	56	1037	1507	611457	631578
4	1	15	597535	52	0	0	33991	631578
5	3	15	557252	55	971	1686	71504	631578
6	3	15	342726	59	966	1666	286043	631578
7	1	15	158945	59	0	0	472574	631578
8	3	15	380208	80	1452	1562	248116	631578
9	2	15	368319	85	1549	0	261540	631578
10	3	15	490992	53	1002	1018	138407	631578
11	1	15	395585	87	0	0	235906	631578
12	3	15	525857	72	1492	1893	102120	631578
13	3	15	366815	88	935	1821	261743	631578
14	1	15	443344	65	0	0	188169	631578
15	1	15	364960	65	0	0	266553	631578
16	3	15	77393	91	1210	985	551717	631578
17	2	15	627869	99	1666	0	1845	631578
18	2	15	99113	89	1838	0	530449	631578
19	3	15	584452	99	1669	1577	43583	631578

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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	2	11	383780	84	1664	0	1114388	1500000
2	2	11	901605	68	1743	0	596516	1500000
3	1	11	489878	95	0	0	1010027	1500000
4	1	11	694260	74	0	0	805666	1500000
5	3	11	1220436	55	971	1409	277019	1500000
6	3	11	938165	69	1679	1180	558769	1500000
7	2	11	744360	96	1680	0	753768	1500000
8	2	11	698560	99	1019	0	800223	1500000

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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	1	18	660205	59	0	0	430645	1090909
2	3	18	908301	97	1767	1383	179167	1090909
3	1	18	653682	90	0	0	437137	1090909
4	2	18	949245	60	1001	0	140543	1090909
5	1	18	201107	81	0	0	889721	1090909
6	1	18	228812	63	0	0	862034	1090909
7	3	18	462017	73	1394	1271	626008	1090909
8	3	18	1044179	61	1561	1148	43838	1090909
9	2	18	861971	78	1692	0	227090	1090909
10	1	18	192448	55	0	0	898406	1090909
11	3	18	388353	71	1242	1176	699925	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	5	546323	50	1294	1575	200658	750000
2	1	5	276141	70	0	0	473789	750000
3	3	5	440844	68	1304	1675	305973	750000
4	1	5	409065	55	0	0	340880	750000
5	3	5	99417	77	1084	1066	648202	750000
6	1	5	646820	96	0	0	103084	750000
7	1	5	116191	54	0	0	633755	750000
8	2	5	250633	92	1774	0	497409	750000
9	3	5	80150	78	1738	1345	666533	750000
10	3	5	428735	98	1073	1726	318172	750000
11	1	5	693947	91	0	0	55962	750000
12	2	5	368129	81	1120	0	380589	750000
13	3	5	645342	54	1037	1160	102299	750000
14	1	5	677635	93	0	0	72272	750000
15	2	5	735328	61	1654	0	12896	750000
16	1	5	40653	87	0	0	709260	750000

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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	1	5	210520	61	0	0	712495	923076
2	1	5	236648	98	0	0	686330	923076
3	1	5	513484	100	0	0	409492	923076
4	2	5	126331	93	1385	0	795174	923076
5	3	5	711374	60	1405	1043	209074	923076
6	1	5	409556	62	0	0	513458	923076
7	1	5	566601	92	0	0	356383	923076
8	2	5	432567	70	1247	0	489122	923076
9	2	5	540385	56	1215	0	381364	923076
10	1	5	621482	81	0	0	301513	923076
11	1	5	645934	78	0	0	277064	923076
12	2	5	746257	55	1706	0	175003	923076
13	3	5	862705	53	1425	1934	56853	923076

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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	1	13	328564	71	0	0	528507	857142
2	2	13	466510	58	1468	0	389048	857142
3	1	13	803828	50	0	0	53264	857142
4	2	13	508007	71	1668	0	347325	857142
5	1	13	348006	90	0	0	509046	857142
6	1	13	752934	78	0	0	104130	857142
7	2	13	737480	95	918	0	118554	857142
8	1	13	355865	94	0	0	501183	857142
9	2	13	742228	53	1029	0	113779	857142
10	3	13	70954	70	1297	1028	783653	857142
11	3	13	754843	57	1537	1661	98930	857142
12	3	13	271	57	1708	1047	853945	857142
13	3	13	454073	86	1870	1194	399747	857142
14	1	13	142352	95	0	0	714695	857142

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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	6	89246	70	1442	1278	998733	1090909
2	1	6	500096	62	0	0	590751	1090909
3	2	6	710640	52	1350	0	378815	1090909
4	1	6	782988	99	0	0	307822	1090909
5	3	6	401958	83	985	1795	685922	1090909
6	1	6	679297	88	0	0	411524	1090909
7	1	6	716325	60	0	0	374524	1090909
8	3	6	460449	84	1547	1288	627373	1090909
9	1	6	160450	93	0	0	930366	1090909
10	2	6	603082	62	1073	0	486630	1090909
11	2	6	369388	62	1462	0	719935	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	2	10	142104	66	1144	0	856620	1000000
2	1	10	628718	66	0	0	371216	1000000
3	3	10	729085	62	1337	1464	267928	1000000
4	2	10	651675	83	1855	0	346304	1000000
5	3	10	710269	56	1471	1573	286519	1000000
6	1	10	386823	60	0	0	613117	1000000
7	3	10	353280	85	1198	1232	644035	1000000
8	3	10	849730	71	1300	1666	147091	1000000
9	3	10	607750	64	1684	1194	389180	1000000
10	3	10	683813	58	1637	1528	312848	1000000
11	2	10	579563	73	1741	0	418550	1000000
12	2	10	241525	95	1420	0	756865	1000000

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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	2	6	565068	91	1118	0	933632	1500000
2	2	6	1373358	62	1505	0	125013	1500000
3	1	6	344448	62	0	0	1155490	1500000
4	3	6	1222467	73	1305	1256	274753	1500000
5	1	6	1266348	55	0	0	233597	1500000
6	3	6	716687	70	1770	1731	779602	1500000
7	2	6	1111601	67	1136	0	387129	1500000
8	3	6	486766	57	1388	1481	1010194	1500000

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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	1	20	203689	89	0	0	796222	1000000
2	3	20	747570	79	1897	1262	249034	1000000
3	1	20	451257	71	0	0	548672	1000000
4	3	20	404015	63	1920	1529	592347	1000000
5	2	20	608095	54	1691	0	390106	1000000
6	3	20	930560	74	1239	1076	66903	1000000
7	3	20	487193	75	1010	1156	510416	1000000
8	2	20	824313	76	1064	0	174471	1000000
9	1	20	217376	93	0	0	782531	1000000
10	1	20	869686	64	0	0	130250	1000000
11	1	20	919613	73	0	0	80314	1000000
12	3	20	9219	97	1514	1498	987478	1000000

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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	11	1242390	83	1735	1311	87648	1333333
2	1	11	1044702	68	0	0	288563	1333333
3	3	11	1264004	74	1190	1676	66241	1333333
4	2	11	263044	80	1570	0	1068559	1333333
5	3	11	760254	72	1398	1773	569692	1333333
6	1	11	1170162	57	0	0	163114	1333333
7	1	11	518975	75	0	0	814283	1333333
8	1	11	1009912	98	0	0	323323	1333333
9	1	11	721843	51	0	0	611439	1333333

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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	2	17	1325539	100	1555	0	6039	1333333
2	3	17	1195861	50	1152	1309	134861	1333333
3	3	17	482206	61	1286	1489	848169	1333333
4	1	17	1207822	60	0	0	125451	1333333
5	2	17	780146	99	1777	0	551212	1333333
6	1	17	144659	70	0	0	1188604	1333333
7	2	17	978595	63	1294	0	353318	1333333
8	2	17	230426	52	984	0	1101819	1333333
9	3	17	615791	93	1050	1359	714854	1333333

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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	7	424172	85	1836	1764	171973	600000
2	3	7	466120	59	964	948	131791	600000
3	2	7	56414	99	1082	0	542306	600000
4	3	7	518267	81	1781	1278	78431	600000
5	2	7	30895	72	967	0	567994	600000
6	1	7	205339	89	0	0	394572	600000
7	2	7	375564	82	1633	0	222639	600000
8	1	7	331725	89	0	0	268186	600000
9	1	7	21619	100	0	0	578281	600000
10	1	7	94334	81	0	0	505585	600000
11	3	7	49515	89	1738	1731	546749	600000
12	2	7	427214	92	1383	0	171219	600000
13	3	7	396864	84	1885	1115	199884	600000
14	2	7	331121	89	1798	0	266903	600000
15	3	7	214847	98	991	1587	382281	600000
16	2	7	504959	73	1435	0	93460	600000
17	3	7	353826	68	1342	1448	243180	600000
18	2	7	426157	83	1843	0	171834	600000
19	1	7	25311	95	0	0	574594	600000
20	1	7	462028	63	0	0	137909	600000

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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	2	15	294286	63	1797	0	335369	631578
2	3	15	145836	87	1046	1324	483111	631578
3	1	15	495613	60	0	0	135905	631578
4	3	15	131885	99	1050	1676	496670	631578
5	1	15	122452	100	0	0	509026	631578
6	3	15	99975	58	1585	1271	528573	631578
7	1	15	299557	77	0	0	331944	631578
8	2	15	473383	62	1881	0	156190	631578
9	3	15	343324	58	1420	1636	285024	631578
10	3	15	293020	53	1221	1009	336169	631578
11	1	15	126628	100	0	0	504850	631578
12	1	15	371265	75	0	0	260238	631578
13	2	15	158879	76	1729	0	470818	631578
14	1	15	223415	82	0	0	408081	631578
15	1	15	534745	76	0	0	96757	631578
16	2	15	326736	96	1550	0	303100	631578
17	3	15	231685	83	1028	1044	397572	631578
18	1	15	342758	85	0	0	288735	631578
19	3	15	222846	63	1682	1413	405448	631578

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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	2	16	672722	70	1156	0	525982	1200000
2	3	16	282644	65	1863	1684	913614	1200000
3	2	16	665197	92	1507	0	533112	1200000
4	3	16	463337	78	1492	1401	733536	1200000
5	2	16	101704	77	1178	0	1096964	1200000
6	2	16	420607	54	1728	0	777557	1200000
7	2	16	1110368	62	1584	0	87924	1200000
8	1	16	857152	69	0	0	342779	1200000
9	2	16	89223	60	969	0	1109688	1200000
10	1	16	862410	73	0	0	337517	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	7	545896	73	0	0	254031	800000
2	3	7	664618	50	1617	1256	132359	800000
3	3	7	100964	82	1885	1804	695101	800000
4	2	7	368771	76	1553	0	429524	800000
5	1	7	60654	64	0	0	739282	800000
6	1	7	387592	89	0	0	412319	800000
7	1	7	288961	81	0	0	510958	800000
8	1	7	565778	80	0	0	234142	800000
9	2	7	499478	80	1667	0	298695	800000
10	1	7	620035	95	0	0	179870	800000
11	1	7	757994	83	0	0	41923	800000
12	2	7	106732	97	993	0	692081	800000
13	3	7	198369	58	1549	1715	598193	800000
14	3	7	212744	59	1148	1528	584403	800000
15	3	7	732661	68	1351	966	64818	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	6	299674	92	1302	1795	696953	1000000
2	1	6	536924	55	0	0	463021	1000000
3	3	6	609215	85	1186	996	388348	1000000
4	3	6	74583	89	1740	1291	922119	1000000
5	2	6	507502	99	1283	0	491017	1000000
6	1	6	528021	64	0	0	471915	1000000
7	2	6	297067	50	1158	0	701675	1000000
8	3	6	134320	89	1217	1578	862618	1000000
9	1	6	519374	82	0	0	480544	1000000
10	3	6	639504	100	1655	1166	357375	1000000
11	1	6	807216	54	0	0	192730	1000000
12	2	6	791196	58	1447	0	207241	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	352642	60	1243	1609	244326	600000
2	1	19	571032	89	0	0	28879	600000
3	3	19	476205	82	1163	1686	120700	600000
4	2	19	214735	58	1454	0	383695	600000
5	2	19	556277	95	1250	0	42283	600000
6	1	19	421914	70	0	0	178016	600000
7	1	19	443727	77	0	0	156196	600000
8	1	19	39671	54	0	0	560275	600000
9	3	19	187949	64	972	946	409941	600000
10	3	19	355374	72	1628	968	241814	600000
11	2	19	340137	77	1203	0	258506	600000
12	1	19	574748	66	0	0	25186	600000
13	3	19	528771	71	1809	970	68237	600000
14	1	19	562284	56	0	0	37660	600000
15	3	19	346116	58	1259	1165	251286	600000
16	1	19	588144	76	0	0	11780	600000
17	3	19	79740	50	1311	1259	517540	600000
18	2	19	8022	77	1094	0	590730	600000
19	3	19	161791	76	1034	1794	435153	600000
20	1	19	425327	99	0	0	174574	600000

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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	2	16	43192	88	1346	0	955286	1000000
2	1	16	245888	89	0	0	754023	1000000
3	3	16	935244	88	970	1650	61872	1000000
4	1	16	359263	79	0	0	640658	1000000
5	2	16	896378	95	1829	0	101603	1000000
6	2	16	307899	71	1282	0	690677	1000000
7	1	16	271348	78	0	0	728574	1000000
8	2	16	873780	75	1917	0	124153	1000000
9	1	16	532714	65	0	0	467221	1000000
10	3	16	371566	62	1310	987	625951	1000000
11	3	16	52255	99	961	970	945517	1000000
12	2	16	785799	62	1409	0	212668	1000000

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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	1	10	60510	71	0	0	689419	750000
2	1	10	357905	81	0	0	392014	750000
3	1	10	520780	61	0	0	229159	750000
4	3	10	510204	52	1309	1273	237058	750000
5	3	10	252691	64	1771	1357	493989	750000
6	2	10	117917	75	1144	0	630789	750000
7	1	10	66430	94	0	0	683476	750000
8	2	10	632632	64	1076	0	116164	750000
9	1	10	429148	71	0	0	320781	750000
10	1	10	669373	86	0	0	80541	750000
11	1	10	46761	50	0	0	703189	750000
12	3	10	135144	57	1455	1199	612031	750000
13	1	10	543575	52	0	0	206373	750000
14	2	10	261184	83	1915	0	486735	750000
15	3	10	165070	80	1687	1467	581536	750000
16	2	10	596004	83	1690	0	152140	750000

Type 5 #24 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	16	40419	84	1167	976	663068	705882
2	1	16	653993	66	0	0	51823	705882
3	2	16	60916	60	1283	0	643563	705882
4	2	16	177743	65	1785	0	526224	705882
5	1	16	202396	68	0	0	503418	705882
6	3	16	348350	62	1780	1385	354181	705882
7	1	16	337281	87	0	0	368514	705882
8	1	16	333998	69	0	0	371815	705882
9	2	16	443827	80	1603	0	260292	705882
10	3	16	94637	51	1608	1152	608332	705882
11	1	16	651398	68	0	0	54416	705882
12	2	16	280783	79	1728	0	423213	705882
13	2	16	611436	91	1163	0	93101	705882
14	1	16	529428	90	0	0	176364	705882
15	2	16	580713	52	1474	0	123591	705882
16	2	16	512908	63	1388	0	191460	705882
17	1	16	415772	63	0	0	290047	705882

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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	14	841627	65	1479	1752	78023	923076
2	3	14	608070	97	1321	1014	312380	923076
3	1	14	375925	99	0	0	547052	923076
4	1	14	26430	59	0	0	896587	923076
5	1	14	496549	71	0	0	426456	923076
6	1	14	109046	84	0	0	813946	923076
7	2	14	205960	90	1526	0	715410	923076
8	1	14	82769	77	0	0	840230	923076
9	1	14	665859	51	0	0	257166	923076
10	1	14	658518	57	0	0	264501	923076
11	3	14	867620	55	1582	1266	52443	923076
12	1	14	242973	68	0	0	680035	923076
13	1	14	336202	85	0	0	586789	923076

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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	2	9	367914	90	1680	0	963559	1333333
2	2	9	340696	72	1351	0	991142	1333333
3	1	9	744093	91	0	0	589149	1333333
4	1	9	673960	51	0	0	659322	1333333
5	3	9	406761	72	1387	1410	923559	1333333
6	3	9	351842	53	1610	1716	978006	1333333
7	3	9	1238098	75	1796	1361	91853	1333333
8	3	9	1310482	68	1150	1240	20257	1333333
9	2	9	1187663	69	1062	0	144470	1333333

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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	1	12	127007	62	0	0	539597	666666
2	3	12	118	97	1843	1212	663202	666666
3	3	12	105439	60	1714	1291	558042	666666
4	2	12	81175	91	1211	0	584098	666666
5	2	12	403171	60	1615	0	261760	666666
6	1	12	67429	79	0	0	599158	666666
7	1	12	311624	86	0	0	354956	666666
8	2	12	481015	77	1596	0	183901	666666
9	3	12	304159	64	1558	1753	359004	666666
10	2	12	315656	100	1534	0	349276	666666
11	3	12	581666	59	1531	1614	81678	666666
12	1	12	109675	54	0	0	556937	666666
13	3	12	125770	50	1157	1648	537941	666666
14	1	12	547540	89	0	0	119037	666666
15	3	12	415165	86	1877	932	248434	666666
16	3	12	392506	69	973	1552	271428	666666
17	3	12	395974	67	1055	1447	267989	666666
18	3	12	371254	77	1095	1079	293007	666666

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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	1	8	143302	69	0	0	1056629	1200000
2	1	8	204380	81	0	0	995539	1200000
3	3	8	684255	79	1001	1169	513338	1200000
4	1	8	768247	56	0	0	431697	1200000
5	2	8	915160	77	988	0	283698	1200000
6	1	8	499716	79	0	0	700205	1200000
7	3	8	647398	92	1631	1472	549223	1200000
8	3	8	217641	87	1252	1184	979662	1200000
9	2	8	924492	70	1062	0	274306	1200000
10	3	8	491174	52	973	1695	706002	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	131911	84	1857	0	497642	631578
2	2	12	127878	66	1528	0	502040	631578
3	1	12	541335	67	0	0	90176	631578
4	3	12	491856	77	1751	1727	136013	631578
5	2	12	499717	73	1070	0	130645	631578
6	3	12	246032	100	1433	1309	382504	631578
7	1	12	119985	71	0	0	511522	631578
8	3	12	11830	76	1458	1549	616513	631578
9	3	12	404566	79	1071	1002	224702	631578
10	3	12	592581	57	1769	1140	35917	631578
11	2	12	549071	74	1557	0	80802	631578
12	1	12	45961	64	0	0	585553	631578
13	1	12	16344	59	0	0	615175	631578
14	3	12	360753	51	1770	962	267940	631578
15	1	12	406605	59	0	0	224914	631578
16	3	12	49148	92	1619	1198	579337	631578
17	1	12	122555	51	0	0	508972	631578
18	1	12	73271	90	0	0	558217	631578
19	1	12	162629	83	0	0	468866	631578

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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	10	97308	86	1322	1038	500074	600000
2	2	10	150646	62	1428	0	447802	600000
3	3	10	476871	88	1756	1115	119994	600000
4	3	10	586160	72	1477	1897	10250	600000
5	2	10	27073	81	1043	0	571722	600000
6	2	10	21490	79	1777	0	576575	600000
7	1	10	279780	91	0	0	320129	600000
8	2	10	497391	94	1577	0	100844	600000
9	3	10	556184	77	1213	1441	40931	600000
10	1	10	465066	96	0	0	134838	600000
11	1	10	586557	63	0	0	13380	600000
12	3	10	342980	90	1290	948	254512	600000
13	3	10	347054	88	1308	1780	249594	600000
14	1	10	225085	96	0	0	374819	600000
15	1	10	430164	95	0	0	169741	600000
16	1	10	196396	72	0	0	403532	600000
17	1	10	383228	59	0	0	216713	600000
18	1	10	458998	79	0	0	140923	600000
19	3	10	291256	92	1571	1541	305356	600000
20	2	10	243724	54	974	0	355194	600000

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#01-5416	#02-5616	#03-5665	#04-5633	#05-5325	#06-5530	#07-5301	#08-5367	#09-5622	#10-5567
#11-5720	#12-5338	#13-5490	#14-5642	#15-5382	#16-5483	#17-5313	#18-5466	#19-5365	#20-5516
#21-5600	#22-5371	#23-5545	#24-5666	#25-5454	#26-5268	#27-5694	#28-5632	#29-5626	#30-5432
#31-5455	#32-5590	#33-5275	#34-5664	#35-5430	#36-5286	#37-5280	#38-5568	#39-5326	#40-5566
#41-5263	#42-5336	#43-5539	#44-5297	#45-5528	#46-5298	#47-5334	#48-5639	#49-5536	#50-5531
#51-5347	#52-5543	#53-5569	#54-5400	#55-5317	#56-5295	#57-5323	#58-5250	#59-5433	#60-5309
#61-5564	#62-5399	#63-5469	#64-5444	#65-5368	#66-5385	#67-5315	#68-5557	#69-5464	#70-5352
#71-5461	#72-5478	#73-5398	#74-5526	#75-5506	#76-5521	#77-5563	#78-5502	#79-5390	#80-5415
#81-5671	#82-5307	#83-5351	#84-5350	#85-5344	#86-5649	#87-5274	#88-5611	#89-5607	#90-5395
#91-5696	#92-5279	#93-5402	#94-5267	#95-5256	#96-5604	#97-5603	#98-5360	#99-5669	#100-5413

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#01-5709	#02-5503	#03-5427	#04-5441	#05-5327	#06-5598	#07-5398	#08-5293	#09-5622	#10-5525
#11-5466	#12-5549	#13-5591	#14-5267	#15-5367	#16-5506	#17-5297	#18-5370	#19-5349	#20-5448
#21-5352	#22-5435	#23-5679	#24-5321	#25-5381	#26-5425	#27-5329	#28-5376	#29-5521	#30-5633
#31-5649	#32-5459	#33-5566	#34-5707	#35-5426	#36-5410	#37-5606	#38-5632	#39-5266	#40-5471
#41-5494	#42-5708	#43-5704	#44-5322	#45-5647	#46-5393	#47-5415	#48-5372	#49-5627	#50-5480
#51-5552	#52-5478	#53-5251	#54-5468	#55-5299	#56-5531	#57-5555	#58-5355	#59-5310	#60-5631
#61-5524	#62-5275	#63-5508	#64-5718	#65-5605	#66-5260	#67-5711	#68-5610	#69-5571	#70-5683
#71-5628	#72-5391	#73-5350	#74-5609	#75-5680	#76-5368	#77-5454	#78-5603	#79-5401	#80-5713
#81-5258	#82-5678	#83-5474	#84-5289	#85-5331	#86-5422	#87-5456	#88-5346	#89-5658	#90-5624
#91-5582	#92-5499	#93-5568	#94-5362	#95-5671	#96-5467	#97-5455	#98-5715	#99-5445	#100-5637

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#01-5406	#02-5531	#03-5529	#04-5668	#05-5574	#06-5405	#07-5371	#08-5366	#09-5508	#10-5657
#11-5321	#12-5672	#13-5681	#14-5323	#15-5618	#16-5562	#17-5526	#18-5460	#19-5635	#20-5430
#21-5533	#22-5611	#23-5677	#24-5667	#25-5346	#26-5378	#27-5546	#28-5714	#29-5658	#30-5461
#31-5636	#32-5458	#33-5403	#34-5486	#35-5553	#36-5448	#37-5395	#38-5524	#39-5437	#40-5647
#41-5294	#42-5330	#43-5564	#44-5250	#45-5550	#46-5637	#47-5539	#48-5489	#49-5465	#50-5353
#51-5661	#52-5718	#53-5322	#54-5263	#55-5348	#56-5514	#57-5581	#58-5587	#59-5568	#60-5438
#61-5584	#62-5380	#63-5426	#64-5290	#65-5267	#66-5586	#67-5506	#68-5435	#69-5491	#70-5412
#71-5408	#72-5251	#73-5271	#74-5711	#75-5381	#76-5447	#77-5298	#78-5679	#79-5362	#80-5434
#81-5566	#82-5303	#83-5495	#84-5555	#85-5528	#86-5648	#87-5382	#88-5391	#89-5386	#90-5284
#91-5602	#92-5542	#93-5690	#94-5723	#95-5312	#96-5639	#97-5626	#98-5516	#99-5707	#100-5694

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#01-5375	#02-5351	#03-5724	#04-5302	#05-5670	#06-5659	#07-5696	#08-5341	#09-5603	#10-5625
#11-5469	#12-5627	#13-5468	#14-5381	#15-5602	#16-5527	#17-5612	#18-5599	#19-5488	#20-5344
#21-5447	#22-5366	#23-5298	#24-5457	#25-5542	#26-5594	#27-5286	#28-5271	#29-5646	#30-5470
#31-5546	#32-5503	#33-5693	#34-5398	#35-5311	#36-5460	#37-5305	#38-5439	#39-5607	#40-5589
#41-5675	#42-5291	#43-5514	#44-5485	#45-5540	#46-5694	#47-5319	#48-5554	#49-5367	#50-5510
#51-5272	#52-5270	#53-5278	#54-5613	#55-5493	#56-5256	#57-5303	#58-5517	#59-5483	#60-5326
#61-5626	#62-5676	#63-5420	#64-5387	#65-5333	#66-5691	#67-5662	#68-5323	#69-5322	#70-5397
#71-5476	#72-5425	#73-5721	#74-5623	#75-5400	#76-5409	#77-5577	#78-5543	#79-5643	#80-5574
#81-5529	#82-5456	#83-5634	#84-5384	#85-5444	#86-5525	#87-5475	#88-5332	#89-5635	#90-5301
#91-5413	#92-5516	#93-5684	#94-5536	#95-5699	#96-5250	#97-5596	#98-5379	#99-5406	#100-5575

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#01-5281	#02-5723	#03-5485	#04-5697	#05-5288	#06-5575	#07-5274	#08-5382	#09-5464	#10-5337
#11-5405	#12-5487	#13-5600	#14-5634	#15-5520	#16-5414	#17-5294	#18-5287	#19-5663	#20-5533
#21-5466	#22-5581	#23-5415	#24-5264	#25-5706	#26-5683	#27-5465	#28-5438	#29-5651	#30-5394
#31-5535	#32-5448	#33-5384	#34-5317	#35-5546	#36-5530	#37-5698	#38-5656	#39-5346	#40-5596
#41-5500	#42-5344	#43-5593	#44-5547	#45-5625	#46-5652	#47-5639	#48-5299	#49-5263	#50-5531
#51-5682	#52-5559	#53-5439	#54-5598	#55-5359	#56-5425	#57-5560	#58-5469	#59-5717	#60-5327
#61-5360	#62-5562	#63-5452	#64-5318	#65-5525	#66-5679	#67-5349	#68-5529	#69-5339	#70-5714
#71-5436	#72-5361	#73-5665	#74-5314	#75-5280	#76-5373	#77-5711	#78-5594	#79-5367	#80-5304
#81-5293	#82-5419	#83-5426	#84-5374	#85-5442	#86-5696	#87-5256	#88-5512	#89-5678	#90-5369
#91-5692	#92-5481	#93-5661	#94-5268	#95-5490	#96-5659	#97-5614	#98-5523	#99-5266	#100-5668

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#01-5552	#02-5357	#03-5683	#04-5274	#05-5342	#06-5573	#07-5620	#08-5375	#09-5566	#10-5714
#11-5440	#12-5691	#13-5354	#14-5661	#15-5283	#16-5667	#17-5389	#18-5332	#19-5604	#20-5551
#21-5671	#22-5560	#23-5575	#24-5699	#25-5269	#26-5685	#27-5419	#28-5643	#29-5549	#30-5343
#31-5478	#32-5436	#33-5574	#34-5418	#35-5473	#36-5657	#37-5456	#38-5397	#39-5277	#40-5588
#41-5326	#42-5607	#43-5668	#44-5693	#45-5647	#46-5252	#47-5372	#48-5251	#49-5710	#50-5535
#51-5518	#52-5525	#53-5638	#54-5435	#55-5723	#56-5715	#57-5500	#58-5707	#59-5254	#60-5379
#61-5401	#62-5695	#63-5534	#64-5467	#65-5479	#66-5253	#67-5362	#68-5653	#69-5433	#70-5345
#71-5457	#72-5712	#73-5305	#74-5267	#75-5474	#76-5314	#77-5613	#78-5603	#79-5298	#80-5270
#81-5558	#82-5416	#83-5655	#84-5265	#85-5539	#86-5669	#87-5513	#88-5388	#89-5422	#90-5485
#91-5404	#92-5472	#93-5394	#94-5618	#95-5438	#96-5353	#97-5316	#98-5449	#99-5460	#100-5642

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#01-5613	#02-5437	#03-5540	#04-5612	#05-5332	#06-5535	#07-5475	#08-5628	#09-5688	#10-5658
#11-5345	#12-5621	#13-5661	#14-5710	#15-5538	#16-5708	#17-5284	#18-5523	#19-5650	#20-5528
#21-5452	#22-5700	#23-5483	#24-5674	#25-5665	#26-5709	#27-5561	#28-5402	#29-5548	#30-5365
#31-5723	#32-5414	#33-5394	#34-5369	#35-5375	#36-5370	#37-5597	#38-5296	#39-5651	#40-5257
#41-5443	#42-5610	#43-5422	#44-5484	#45-5385	#46-5502	#47-5533	#48-5406	#49-5324	#50-5449
#51-5315	#52-5508	#53-5516	#54-5646	#55-5436	#56-5634	#57-5673	#58-5584	#59-5668	#60-5341
#61-5693	#62-5312	#63-5318	#64-5565	#65-5655	#66-5644	#67-5466	#68-5530	#69-5575	#70-5411
#71-5351	#72-5712	#73-5591	#74-5638	#75-5330	#76-5558	#77-5515	#78-5724	#79-5526	#80-5401
#81-5415	#82-5397	#83-5321	#84-5344	#85-5292	#86-5457	#87-5619	#88-5470	#89-5653	#90-5461
#91-5419	#92-5261	#93-5349	#94-5554	#95-5282	#96-5374	#97-5542	#98-5579	#99-5550	#100-5458

Type 6 #8 [Back to Summary]									
#01-5285	#02-5250	#03-5555	#04-5637	#05-5347	#06-5333	#07-5639	#08-5599	#09-5562	#10-5601
#11-5363	#12-5676	#13-5303	#14-5508	#15-5652	#16-5535	#17-5714	#18-5697	#19-5515	#20-5446
#21-5275	#22-5721	#23-5603	#24-5364	#25-5717	#26-5343	#27-5605	#28-5290	#29-5604	#30-5681
#31-5270	#32-5665	#33-5421	#34-5324	#35-5378	#36-5422	#37-5573	#38-5416	#39-5255	#40-5690
#41-5543	#42-5277	#43-5634	#44-5308	#45-5359	#46-5474	#47-5684	#48-5566	#49-5628	#50-5473
#51-5391	#52-5567	#53-5315	#54-5356	#55-5438	#56-5291	#57-5375	#58-5444	#59-5644	#60-5253
#61-5453	#62-5595	#63-5716	#64-5600	#65-5576	#66-5419	#67-5501	#68-5702	#69-5386	#70-5480
#71-5683	#72-5542	#73-5691	#74-5546	#75-5622	#76-5724	#77-5334	#78-5540	#79-5259	#80-5489
#81-5384	#82-5289	#83-5387	#84-5383	#85-5537	#86-5427	#87-5598	#88-5318	#89-5611	#90-5338
#91-5301	#92-5392	#93-5496	#94-5252	#95-5491	#96-5671	#97-5284	#98-5286	#99-5455	#100-5660

Type 6 #9 [Back to Summary]									
#01-5696	#02-5706	#03-5435	#04-5400	#05-5514	#06-5566	#07-5603	#08-5485	#09-5452	#10-5434
#11-5678	#12-5545	#13-5430	#14-5397	#15-5594	#16-5409	#17-5465	#18-5586	#19-5308	#20-5402
#21-5539	#22-5433	#23-5338	#24-5295	#25-5427	#26-5552	#27-5298	#28-5690	#29-5309	#30-5675
#31-5691	#32-5299	#33-5347	#34-5320	#35-5523	#36-5399	#37-5578	#38-5708	#39-5593	#40-5701
#41-5544	#42-5364	#43-5589	#44-5422	#45-5378	#46-5480	#47-5673	#48-5343	#49-5380	#50-5326
#51-5461	#52-5420	#53-5697	#54-5289	#55-5370	#56-5511	#57-5617	#58-5386	#59-5694	#60-5685
#61-5518	#62-5637	#63-5426	#64-5502	#65-5472	#66-5628	#67-5449	#68-5358	#69-5606	#70-5445
#71-5562	#72-5486	#73-5720	#74-5329	#75-5584	#76-5418	#77-5573	#78-5642	#79-5640	#80-5671
#81-5599	#82-5674	#83-5554	#84-5707	#85-5466	#86-5517	#87-5321	#88-5296	#89-5666	#90-5259
#91-5508	#92-5437	#93-5258	#94-5625	#95-5431	#96-5631	#97-5660	#98-5331	#99-5676	#100-5476

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Type 6 #10 [Back to Summary]									
#01-5281	#02-5563	#03-5466	#04-5664	#05-5492	#06-5700	#07-5424	#08-5612	#09-5433	#10-5674
#11-5660	#12-5696	#13-5471	#14-5269	#15-5339	#16-5560	#17-5329	#18-5444	#19-5284	#20-5673
#21-5548	#22-5392	#23-5413	#24-5592	#25-5654	#26-5371	#27-5473	#28-5341	#29-5623	#30-5678
#31-5482	#32-5486	#33-5688	#34-5409	#35-5641	#36-5285	#37-5460	#38-5616	#39-5462	#40-5494
#41-5343	#42-5438	#43-5593	#44-5723	#45-5321	#46-5537	#47-5690	#48-5715	#49-5534	#50-5594
#51-5549	#52-5465	#53-5301	#54-5254	#55-5649	#56-5608	#57-5394	#58-5595	#59-5257	#60-5366
#61-5476	#62-5332	#63-5712	#64-5481	#65-5437	#66-5421	#67-5259	#68-5309	#69-5351	#70-5304
#71-5352	#72-5434	#73-5705	#74-5517	#75-5578	#76-5359	#77-5525	#78-5414	#79-5520	#80-5367
#81-5405	#82-5487	#83-5531	#84-5276	#85-5375	#86-5263	#87-5432	#88-5683	#89-5490	#90-5283
#91-5614	#92-5588	#93-5613	#94-5345	#95-5266	#96-5261	#97-5455	#98-5364	#99-5538	#100-5627

Type 6 #11 [Back to Summary]									
#01-5530	#02-5630	#03-5613	#04-5481	#05-5495	#06-5365	#07-5488	#08-5512	#09-5398	#10-5546
#11-5335	#12-5707	#13-5327	#14-5615	#15-5686	#16-5720	#17-5528	#18-5683	#19-5355	#20-5427
#21-5717	#22-5298	#23-5551	#24-5315	#25-5416	#26-5484	#27-5549	#28-5609	#29-5498	#30-5569
#31-5629	#32-5408	#33-5607	#34-5621	#35-5560	#36-5499	#37-5591	#38-5292	#39-5502	#40-5256
#41-5492	#42-5647	#43-5531	#44-5664	#45-5670	#46-5628	#47-5503	#48-5722	#49-5378	#50-5268
#51-5448	#52-5483	#53-5254	#54-5348	#55-5631	#56-5470	#57-5325	#58-5543	#59-5312	#60-5260
#61-5541	#62-5601	#63-5263	#64-5556	#65-5643	#66-5652	#67-5345	#68-5429	#69-5302	#70-5428
#71-5375	#72-5475	#73-5423	#74-5349	#75-5659	#76-5321	#77-5487	#78-5611	#79-5371	#80-5513
#81-5702	#82-5553	#83-5467	#84-5472	#85-5360	#86-5384	#87-5403	#88-5508	#89-5715	#90-5330
#91-5419	#92-5293	#93-5704	#94-5494	#95-5436	#96-5620	#97-5637	#98-5699	#99-5273	#100-5270

Type 6 #12 [Back to Summary]									
#01-5532	#02-5324	#03-5669	#04-5675	#05-5616	#06-5697	#07-5314	#08-5627	#09-5419	#10-5554
#11-5712	#12-5440	#13-5422	#14-5523	#15-5281	#16-5716	#17-5375	#18-5503	#19-5443	#20-5504
#21-5490	#22-5564	#23-5439	#24-5693	#25-5259	#26-5330	#27-5501	#28-5655	#29-5634	#30-5286
#31-5410	#32-5514	#33-5588	#34-5352	#35-5705	#36-5625	#37-5604	#38-5524	#39-5584	#40-5386
#41-5318	#42-5498	#43-5336	#44-5406	#45-5344	#46-5706	#47-5596	#48-5427	#49-5462	#50-5446
#51-5488	#52-5374	#53-5508	#54-5489	#55-5499	#56-5690	#57-5607	#58-5698	#59-5663	#60-5537
#61-5437	#62-5378	#63-5718	#64-5377	#65-5388	#66-5445	#67-5576	#68-5313	#69-5545	#70-5371
#71-5354	#72-5575	#73-5642	#74-5298	#75-5431	#76-5714	#77-5474	#78-5277	#79-5599	#80-5273
#81-5456	#82-5319	#83-5441	#84-5435	#85-5522	#86-5283	#87-5255	#88-5343	#89-5579	#90-5263
#91-5270	#92-5635	#93-5587	#94-5300	#95-5670	#96-5660	#97-5512	#98-5677	#99-5267	#100-5621

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#01-5379	#02-5527	#03-5610	#04-5334	#05-5338	#06-5641	#07-5460	#08-5453	#09-5306	#10-5512
#11-5466	#12-5576	#13-5349	#14-5639	#15-5328	#16-5372	#17-5667	#18-5530	#19-5589	#20-5357
#21-5440	#22-5483	#23-5470	#24-5534	#25-5358	#26-5450	#27-5716	#28-5595	#29-5359	#30-5500
#31-5455	#32-5526	#33-5263	#34-5702	#35-5625	#36-5657	#37-5435	#38-5355	#39-5348	#40-5606
#41-5553	#42-5531	#43-5286	#44-5312	#45-5524	#46-5419	#47-5539	#48-5675	#49-5696	#50-5552
#51-5722	#52-5706	#53-5335	#54-5636	#55-5428	#56-5622	#57-5303	#58-5323	#59-5701	#60-5611
#61-5650	#62-5590	#63-5342	#64-5533	#65-5300	#66-5665	#67-5560	#68-5373	#69-5264	#70-5399
#71-5658	#72-5557	#73-5424	#74-5709	#75-5525	#76-5635	#77-5438	#78-5400	#79-5256	#80-5662
#81-5642	#82-5290	#83-5618	#84-5529	#85-5496	#86-5471	#87-5430	#88-5350	#89-5515	#90-5250
#91-5596	#92-5362	#93-5381	#94-5463	#95-5681	#96-5684	#97-5429	#98-5478	#99-5259	#100-5581

Type 6 #14 [Back to Summary]									
#01-5585	#02-5411	#03-5657	#04-5544	#05-5616	#06-5413	#07-5527	#08-5353	#09-5354	#10-5518
#11-5430	#12-5632	#13-5318	#14-5289	#15-5695	#16-5605	#17-5696	#18-5534	#19-5281	#20-5557
#21-5479	#22-5457	#23-5576	#24-5264	#25-5525	#26-5547	#27-5426	#28-5688	#29-5279	#30-5573
#31-5452	#32-5687	#33-5390	#34-5397	#35-5326	#36-5480	#37-5361	#38-5325	#39-5644	#40-5337
#41-5670	#42-5329	#43-5722	#44-5250	#45-5545	#46-5691	#47-5290	#48-5340	#49-5495	#50-5322
#51-5712	#52-5622	#53-5447	#54-5428	#55-5355	#56-5378	#57-5562	#58-5641	#59-5267	#60-5319
#61-5710	#62-5567	#63-5327	#64-5507	#65-5313	#66-5469	#67-5490	#68-5646	#69-5686	#70-5465
#71-5496	#72-5618	#73-5615	#74-5668	#75-5610	#76-5401	#77-5460	#78-5577	#79-5443	#80-5561
#81-5505	#82-5341	#83-5440	#84-5680	#85-5587	#86-5554	#87-5488	#88-5690	#89-5296	#90-5673
#91-5642	#92-5441	#93-5304	#94-5571	#95-5351	#96-5357	#97-5254	#98-5463	#99-5659	#100-5328

Type 6 #15 [Back to Summary]									
#01-5452	#02-5369	#03-5374	#04-5280	#05-5555	#06-5343	#07-5255	#08-5504	#09-5541	#10-5675
#11-5640	#12-5709	#13-5446	#14-5431	#15-5537	#16-5621	#17-5372	#18-5366	#19-5648	#20-5484
#21-5700	#22-5522	#23-5596	#24-5264	#25-5545	#26-5299	#27-5562	#28-5294	#29-5570	#30-5507
#31-5398	#32-5722	#33-5641	#34-5365	#35-5357	#36-5389	#37-5689	#38-5414	#39-5380	#40-5492
#41-5552	#42-5714	#43-5402	#44-5345	#45-5284	#46-5660	#47-5724	#48-5602	#49-5286	#50-5457
#51-5705	#52-5610	#53-5540	#54-5426	#55-5349	#56-5654	#57-5496	#58-5356	#59-5462	#60-5505
#61-5509	#62-5683	#63-5657	#64-5278	#65-5527	#66-5638	#67-5316	#68-5326	#69-5320	#70-5401
#71-5655	#72-5682	#73-5713	#74-5407	#75-5653	#76-5708	#77-5370	#78-5495	#79-5699	#80-5604
#81-5298	#82-5678	#83-5258	#84-5360	#85-5524	#86-5510	#87-5430	#88-5465	#89-5265	#90-5429
#91-5612	#92-5578	#93-5672	#94-5593	#95-5706	#96-5585	#97-5305	#98-5368	#99-5543	#100-5364

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#01-5592	#02-5645	#03-5529	#04-5611	#05-5521	#06-5272	#07-5622	#08-5385	#09-5490	#10-5365
#11-5533	#12-5724	#13-5379	#14-5576	#15-5453	#16-5548	#17-5677	#18-5544	#19-5476	#20-5266
#21-5458	#22-5578	#23-5312	#24-5618	#25-5505	#26-5325	#27-5257	#28-5364	#29-5420	#30-5317
#31-5657	#32-5251	#33-5679	#34-5586	#35-5268	#36-5380	#37-5404	#38-5372	#39-5564	#40-5502
#41-5616	#42-5294	#43-5699	#44-5626	#45-5621	#46-5615	#47-5447	#48-5348	#49-5393	#50-5411
#51-5641	#52-5482	#53-5614	#54-5527	#55-5634	#56-5265	#57-5580	#58-5640	#59-5351	#60-5444
#61-5267	#62-5503	#63-5693	#64-5424	#65-5435	#66-5532	#67-5298	#68-5517	#69-5559	#70-5327
#71-5396	#72-5555	#73-5709	#74-5702	#75-5375	#76-5417	#77-5603	#78-5414	#79-5721	#80-5619
#81-5599	#82-5636	#83-5698	#84-5261	#85-5402	#86-5421	#87-5356	#88-5397	#89-5681	#90-5252
#91-5518	#92-5487	#93-5274	#94-5362	#95-5486	#96-5354	#97-5328	#98-5523	#99-5439	#100-5336

Type 6 #17 [Back to Summary]									
#01-5569	#02-5655	#03-5513	#04-5314	#05-5264	#06-5334	#07-5501	#08-5639	#09-5401	#10-5463
#11-5385	#12-5417	#13-5640	#14-5460	#15-5571	#16-5357	#17-5533	#18-5680	#19-5270	#20-5263
#21-5423	#22-5623	#23-5564	#24-5558	#25-5530	#26-5630	#27-5535	#28-5592	#29-5461	#30-5271
#31-5340	#32-5331	#33-5704	#34-5636	#35-5298	#36-5673	#37-5369	#38-5633	#39-5722	#40-5321
#41-5646	#42-5445	#43-5721	#44-5467	#45-5590	#46-5355	#47-5575	#48-5531	#49-5518	#50-5380
#51-5549	#52-5373	#53-5499	#54-5421	#55-5642	#56-5672	#57-5339	#58-5683	#59-5506	#60-5358
#61-5520	#62-5634	#63-5425	#64-5381	#65-5371	#66-5301	#67-5438	#68-5253	#69-5412	#70-5620
#71-5713	#72-5619	#73-5684	#74-5674	#75-5342	#76-5700	#77-5621	#78-5345	#79-5692	#80-5424
#81-5300	#82-5250	#83-5316	#84-5329	#85-5444	#86-5691	#87-5551	#88-5527	#89-5718	#90-5351
#91-5579	#92-5410	#93-5375	#94-5607	#95-5517	#96-5259	#97-5273	#98-5587	#99-5344	#100-5537

Type 6 #18 [Back to Summary]									
#01-5642	#02-5570	#03-5371	#04-5623	#05-5391	#06-5654	#07-5416	#08-5552	#09-5327	#10-5665
#11-5294	#12-5719	#13-5713	#14-5334	#15-5305	#16-5521	#17-5565	#18-5344	#19-5663	#20-5407
#21-5474	#22-5630	#23-5259	#24-5311	#25-5291	#26-5550	#27-5498	#28-5320	#29-5403	#30-5337
#31-5680	#32-5285	#33-5252	#34-5409	#35-5509	#36-5459	#37-5603	#38-5424	#39-5667	#40-5515
#41-5526	#42-5724	#43-5452	#44-5306	#45-5307	#46-5587	#47-5426	#48-5288	#49-5558	#50-5250
#51-5421	#52-5651	#53-5649	#54-5661	#55-5316	#56-5261	#57-5563	#58-5315	#59-5582	#60-5566
#61-5406	#62-5353	#63-5405	#64-5717	#65-5707	#66-5260	#67-5714	#68-5560	#69-5548	#70-5576
#71-5641	#72-5397	#73-5408	#74-5400	#75-5607	#76-5477	#77-5437	#78-5679	#79-5256	#80-5436
#81-5381	#82-5465	#83-5490	#84-5401	#85-5639	#86-5279	#87-5364	#88-5322	#89-5347	#90-5503
#91-5619	#92-5543	#93-5568	#94-5356	#95-5365	#96-5438	#97-5578	#98-5464	#99-5324	#100-5298

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#01-5595	#02-5585	#03-5461	#04-5707	#05-5330	#06-5270	#07-5498	#08-5501	#09-5304	#10-5562
#11-5552	#12-5609	#13-5305	#14-5400	#15-5433	#16-5669	#17-5584	#18-5251	#19-5327	#20-5682
#21-5623	#22-5649	#23-5468	#24-5302	#25-5679	#26-5352	#27-5556	#28-5300	#29-5288	#30-5429
#31-5629	#32-5699	#33-5608	#34-5683	#35-5555	#36-5515	#37-5723	#38-5502	#39-5320	#40-5620
#41-5500	#42-5581	#43-5261	#44-5497	#45-5668	#46-5263	#47-5483	#48-5410	#49-5641	#50-5414
#51-5565	#52-5567	#53-5379	#54-5363	#55-5398	#56-5671	#57-5366	#58-5408	#59-5278	#60-5705
#61-5438	#62-5446	#63-5460	#64-5599	#65-5658	#66-5576	#67-5722	#68-5345	#69-5561	#70-5638
#71-5667	#72-5329	#73-5654	#74-5426	#75-5423	#76-5286	#77-5634	#78-5691	#79-5356	#80-5663
#81-5580	#82-5391	#83-5382	#84-5592	#85-5579	#86-5308	#87-5557	#88-5490	#89-5526	#90-5610
#91-5397	#92-5551	#93-5472	#94-5337	#95-5431	#96-5307	#97-5370	#98-5385	#99-5564	#100-5340

Type 6 #20 [Back to Summary]									
#01-5264	#02-5392	#03-5571	#04-5251	#05-5472	#06-5490	#07-5639	#08-5676	#09-5661	#10-5363
#11-5284	#12-5402	#13-5303	#14-5337	#15-5370	#16-5294	#17-5314	#18-5592	#19-5263	#20-5603
#21-5262	#22-5480	#23-5541	#24-5680	#25-5492	#26-5360	#27-5578	#28-5569	#29-5721	#30-5373
#31-5640	#32-5503	#33-5376	#34-5269	#35-5653	#36-5447	#37-5550	#38-5387	#39-5380	#40-5349
#41-5401	#42-5618	#43-5561	#44-5424	#45-5582	#46-5252	#47-5515	#48-5396	#49-5697	#50-5397
#51-5720	#52-5510	#53-5377	#54-5693	#55-5329	#56-5517	#57-5581	#58-5620	#59-5489	#60-5365
#61-5638	#62-5320	#63-5681	#64-5544	#65-5452	#66-5509	#67-5281	#68-5288	#69-5416	#70-5650
#71-5470	#72-5656	#73-5465	#74-5642	#75-5458	#76-5372	#77-5644	#78-5371	#79-5348	#80-5491
#81-5572	#82-5439	#83-5600	#84-5584	#85-5374	#86-5386	#87-5381	#88-5411	#89-5667	#90-5395
#91-5596	#92-5660	#93-5621	#94-5261	#95-5440	#96-5324	#97-5666	#98-5270	#99-5698	#100-5321

Type 6 #21 [Back to Summary]									
#01-5697	#02-5475	#03-5707	#04-5297	#05-5646	#06-5317	#07-5292	#08-5458	#09-5487	#10-5680
#11-5594	#12-5455	#13-5518	#14-5251	#15-5520	#16-5448	#17-5444	#18-5350	#19-5419	#20-5319
#21-5382	#22-5602	#23-5348	#24-5269	#25-5307	#26-5540	#27-5284	#28-5456	#29-5460	#30-5384
#31-5436	#32-5628	#33-5403	#34-5278	#35-5521	#36-5345	#37-5461	#38-5556	#39-5660	#40-5306
#41-5341	#42-5644	#43-5642	#44-5706	#45-5524	#46-5387	#47-5392	#48-5619	#49-5473	#50-5710
#51-5604	#52-5565	#53-5573	#54-5627	#55-5666	#56-5347	#57-5378	#58-5687	#59-5716	#60-5362
#61-5281	#62-5566	#63-5253	#64-5358	#65-5500	#66-5694	#67-5305	#68-5493	#69-5466	#70-5427
#71-5722	#72-5621	#73-5417	#74-5367	#75-5702	#76-5469	#77-5681	#78-5369	#79-5481	#80-5647
#81-5399	#82-5394	#83-5709	#84-5478	#85-5508	#86-5597	#87-5302	#88-5506	#89-5336	#90-5420
#91-5686	#92-5497	#93-5561	#94-5549	#95-5271	#96-5503	#97-5638	#98-5539	#99-5459	#100-5552

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Type 6 #22 [Back to Summary]									
#01-5329	#02-5624	#03-5407	#04-5291	#05-5711	#06-5704	#07-5394	#08-5456	#09-5646	#10-5450
#11-5386	#12-5261	#13-5464	#14-5318	#15-5687	#16-5614	#17-5579	#18-5506	#19-5575	#20-5621
#21-5639	#22-5528	#23-5399	#24-5293	#25-5461	#26-5481	#27-5312	#28-5594	#29-5343	#30-5455
#31-5549	#32-5397	#33-5633	#34-5653	#35-5566	#36-5497	#37-5709	#38-5668	#39-5484	#40-5521
#41-5449	#42-5572	#43-5577	#44-5612	#45-5279	#46-5678	#47-5277	#48-5488	#49-5583	#50-5377
#51-5643	#52-5379	#53-5684	#54-5556	#55-5631	#56-5519	#57-5469	#58-5358	#59-5551	#60-5475
#61-5644	#62-5520	#63-5356	#64-5433	#65-5623	#66-5715	#67-5348	#68-5531	#69-5470	#70-5431
#71-5629	#72-5636	#73-5267	#74-5301	#75-5413	#76-5313	#77-5676	#78-5508	#79-5260	#80-5504
#81-5443	#82-5544	#83-5259	#84-5688	#85-5535	#86-5409	#87-5430	#88-5320	#89-5268	#90-5294
#91-5274	#92-5596	#93-5362	#94-5254	#95-5604	#96-5658	#97-5459	#98-5384	#99-5714	#100-5295

Type 6 #23 [Back to Summary]									
#01-5574	#02-5469	#03-5265	#04-5394	#05-5476	#06-5256	#07-5364	#08-5631	#09-5393	#10-5568
#11-5576	#12-5688	#13-5350	#14-5297	#15-5280	#16-5346	#17-5515	#18-5404	#19-5630	#20-5461
#21-5527	#22-5284	#23-5519	#24-5434	#25-5417	#26-5287	#27-5528	#28-5264	#29-5427	#30-5492
#31-5584	#32-5542	#33-5526	#34-5697	#35-5661	#36-5707	#37-5535	#38-5596	#39-5459	#40-5534
#41-5303	#42-5538	#43-5655	#44-5424	#45-5444	#46-5314	#47-5496	#48-5318	#49-5702	#50-5509
#51-5389	#52-5312	#53-5485	#54-5504	#55-5494	#56-5549	#57-5679	#58-5563	#59-5705	#60-5439
#61-5455	#62-5348	#63-5454	#64-5634	#65-5715	#66-5286	#67-5411	#68-5378	#69-5361	#70-5299
#71-5547	#72-5649	#73-5667	#74-5345	#75-5408	#76-5717	#77-5354	#78-5339	#79-5713	#80-5353
#81-5518	#82-5460	#83-5289	#84-5641	#85-5344	#86-5521	#87-5304	#88-5269	#89-5453	#90-5371
#91-5277	#92-5698	#93-5616	#94-5268	#95-5327	#96-5675	#97-5331	#98-5273	#99-5441	#100-5413

Type 6 #24 [Back to Summary]									
#01-5622	#02-5363	#03-5678	#04-5652	#05-5695	#06-5468	#07-5370	#08-5387	#09-5342	#10-5502
#11-5436	#12-5585	#13-5568	#14-5600	#15-5650	#16-5250	#17-5309	#18-5539	#19-5531	#20-5447
#21-5709	#22-5394	#23-5654	#24-5720	#25-5269	#26-5562	#27-5283	#28-5643	#29-5273	#30-5457
#31-5634	#32-5331	#33-5627	#34-5552	#35-5453	#36-5401	#37-5503	#38-5359	#39-5670	#40-5598
#41-5395	#42-5639	#43-5649	#44-5675	#45-5656	#46-5415	#47-5376	#48-5262	#49-5340	#50-5322
#51-5611	#52-5509	#53-5464	#54-5713	#55-5423	#56-5477	#57-5432	#58-5683	#59-5628	#60-5378
#61-5435	#62-5448	#63-5360	#64-5605	#65-5583	#66-5350	#67-5682	#68-5264	#69-5393	#70-5498
#71-5472	#72-5673	#73-5590	#74-5657	#75-5300	#76-5314	#77-5469	#78-5704	#79-5311	#80-5571
#81-5433	#82-5270	#83-5548	#84-5674	#85-5561	#86-5372	#87-5586	#88-5637	#89-5380	#90-5702
#91-5691	#92-5538	#93-5450	#94-5532	#95-5410	#96-5667	#97-5520	#98-5289	#99-5332	#100-5545

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#01-5460	#02-5364	#03-5592	#04-5568	#05-5577	#06-5666	#07-5641	#08-5531	#09-5661	#10-5354
#11-5259	#12-5454	#13-5618	#14-5305	#15-5671	#16-5415	#17-5620	#18-5412	#19-5292	#20-5464
#21-5488	#22-5289	#23-5607	#24-5418	#25-5533	#26-5650	#27-5471	#28-5307	#29-5493	#30-5355
#31-5516	#32-5427	#33-5617	#34-5487	#35-5366	#36-5320	#37-5401	#38-5711	#39-5344	#40-5628
#41-5458	#42-5308	#43-5706	#44-5273	#45-5692	#46-5485	#47-5654	#48-5395	#49-5594	#50-5722
#51-5298	#52-5361	#53-5723	#54-5593	#55-5313	#56-5421	#57-5482	#58-5424	#59-5282	#60-5653
#61-5445	#62-5582	#63-5288	#64-5554	#65-5563	#66-5555	#67-5561	#68-5379	#69-5665	#70-5599
#71-5262	#72-5636	#73-5319	#74-5390	#75-5254	#76-5432	#77-5311	#78-5581	#79-5452	#80-5299
#81-5719	#82-5328	#83-5439	#84-5500	#85-5309	#86-5405	#87-5434	#88-5270	#89-5430	#90-5675
#91-5565	#92-5704	#93-5677	#94-5419	#95-5436	#96-5601	#97-5266	#98-5400	#99-5441	#100-5385

Type 6 #26 [Back to Summary]									
#01-5646	#02-5522	#03-5456	#04-5721	#05-5707	#06-5387	#07-5293	#08-5580	#09-5590	#10-5606
#11-5360	#12-5624	#13-5694	#14-5711	#15-5655	#16-5369	#17-5396	#18-5517	#19-5495	#20-5409
#21-5373	#22-5540	#23-5677	#24-5717	#25-5283	#26-5281	#27-5683	#28-5620	#29-5680	#30-5378
#31-5412	#32-5628	#33-5395	#34-5315	#35-5374	#36-5446	#37-5586	#38-5439	#39-5509	#40-5639
#41-5355	#42-5568	#43-5403	#44-5539	#45-5555	#46-5661	#47-5258	#48-5686	#49-5481	#50-5308
#51-5450	#52-5469	#53-5623	#54-5272	#55-5257	#56-5350	#57-5565	#58-5463	#59-5684	#60-5670
#61-5426	#62-5391	#63-5616	#64-5460	#65-5442	#66-5452	#67-5477	#68-5626	#69-5581	#70-5458
#71-5502	#72-5679	#73-5259	#74-5575	#75-5299	#76-5526	#77-5382	#78-5381	#79-5406	#80-5340
#81-5273	#82-5723	#83-5386	#84-5619	#85-5650	#86-5664	#87-5254	#88-5366	#89-5307	#90-5271
#91-5599	#92-5372	#93-5483	#94-5559	#95-5467	#96-5692	#97-5672	#98-5663	#99-5343	#100-5349

Type 6 #27 [Back to Summary]									
#01-5436	#02-5355	#03-5352	#04-5274	#05-5532	#06-5496	#07-5464	#08-5297	#09-5699	#10-5457
#11-5691	#12-5432	#13-5306	#14-5591	#15-5650	#16-5428	#17-5253	#18-5723	#19-5535	#20-5504
#21-5449	#22-5354	#23-5573	#24-5565	#25-5584	#26-5377	#27-5453	#28-5419	#29-5365	#30-5331
#31-5580	#32-5445	#33-5287	#34-5303	#35-5637	#36-5645	#37-5621	#38-5366	#39-5342	#40-5409
#41-5459	#42-5684	#43-5399	#44-5579	#45-5304	#46-5422	#47-5321	#48-5617	#49-5639	#50-5283
#51-5689	#52-5677	#53-5387	#54-5570	#55-5632	#56-5332	#57-5512	#58-5517	#59-5418	#60-5404
#61-5290	#62-5291	#63-5659	#64-5618	#65-5605	#66-5500	#67-5396	#68-5252	#69-5680	#70-5258
#71-5538	#72-5614	#73-5633	#74-5376	#75-5300	#76-5493	#77-5682	#78-5719	#79-5511	#80-5413
#81-5310	#82-5562	#83-5513	#84-5333	#85-5372	#86-5626	#87-5312	#88-5447	#89-5398	#90-5555
#91-5386	#92-5358	#93-5673	#94-5665	#95-5369	#96-5417	#97-5275	#98-5514	#99-5701	#100-5536

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Type 6 #28 [Back to Summary]									
#01-5275	#02-5318	#03-5661	#04-5628	#05-5475	#06-5325	#07-5296	#08-5260	#09-5522	#10-5394
#11-5378	#12-5516	#13-5254	#14-5257	#15-5351	#16-5457	#17-5510	#18-5579	#19-5500	#20-5705
#21-5440	#22-5679	#23-5584	#24-5377	#25-5601	#26-5430	#27-5668	#28-5693	#29-5259	#30-5612
#31-5464	#32-5424	#33-5274	#34-5703	#35-5388	#36-5714	#37-5626	#38-5604	#39-5576	#40-5298
#41-5575	#42-5302	#43-5645	#44-5253	#45-5429	#46-5593	#47-5354	#48-5665	#49-5563	#50-5638
#51-5629	#52-5426	#53-5263	#54-5718	#55-5345	#56-5326	#57-5462	#58-5534	#59-5284	#60-5303
#61-5386	#62-5334	#63-5252	#64-5635	#65-5655	#66-5677	#67-5494	#68-5281	#69-5592	#70-5364
#71-5550	#72-5625	#73-5722	#74-5454	#75-5381	#76-5396	#77-5288	#78-5574	#79-5673	#80-5258
#81-5335	#82-5251	#83-5384	#84-5353	#85-5707	#86-5293	#87-5422	#88-5286	#89-5609	#90-5323
#91-5507	#92-5352	#93-5571	#94-5533	#95-5640	#96-5502	#97-5307	#98-5267	#99-5336	#100-5482

Type 6 #29 [Back to Summary]									
#01-5350	#02-5324	#03-5319	#04-5459	#05-5337	#06-5252	#07-5431	#08-5534	#09-5593	#10-5679
#11-5289	#12-5608	#13-5587	#14-5275	#15-5696	#16-5382	#17-5677	#18-5633	#19-5652	#20-5617
#21-5510	#22-5464	#23-5392	#24-5530	#25-5578	#26-5458	#27-5303	#28-5440	#29-5540	#30-5602
#31-5343	#32-5271	#33-5505	#34-5447	#35-5631	#36-5251	#37-5659	#38-5644	#39-5259	#40-5706
#41-5580	#42-5607	#43-5412	#44-5657	#45-5277	#46-5621	#47-5480	#48-5546	#49-5559	#50-5504
#51-5544	#52-5388	#53-5334	#54-5428	#55-5691	#56-5611	#57-5661	#58-5511	#59-5599	#60-5598
#61-5675	#62-5715	#63-5718	#64-5713	#65-5576	#66-5268	#67-5352	#68-5386	#69-5369	#70-5692
#71-5443	#72-5285	#73-5622	#74-5670	#75-5288	#76-5625	#77-5302	#78-5456	#79-5499	#80-5684
#81-5703	#82-5474	#83-5594	#84-5282	#85-5308	#86-5674	#87-5658	#88-5327	#89-5478	#90-5267
#91-5321	#92-5394	#93-5295	#94-5381	#95-5283	#96-5584	#97-5612	#98-5422	#99-5325	#100-5257

Type 6 #30 [Back to Summary]									
#01-5520	#02-5340	#03-5427	#04-5594	#05-5310	#06-5513	#07-5489	#08-5385	#09-5394	#10-5309
#11-5563	#12-5449	#13-5256	#14-5644	#15-5625	#16-5445	#17-5361	#18-5687	#19-5661	#20-5633
#21-5329	#22-5275	#23-5631	#24-5354	#25-5623	#26-5303	#27-5718	#28-5495	#29-5643	#30-5418
#31-5262	#32-5600	#33-5391	#34-5501	#35-5415	#36-5611	#37-5301	#38-5259	#39-5696	#40-5518
#41-5441	#42-5530	#43-5658	#44-5424	#45-5433	#46-5593	#47-5386	#48-5373	#49-5483	#50-5561
#51-5482	#52-5657	#53-5491	#54-5411	#55-5653	#56-5496	#57-5436	#58-5322	#59-5695	#60-5255
#61-5525	#62-5720	#63-5468	#64-5702	#65-5296	#66-5684	#67-5307	#68-5480	#69-5477	#70-5263
#71-5392	#72-5351	#73-5714	#74-5395	#75-5447	#76-5534	#77-5344	#78-5461	#79-5648	#80-5280
#81-5641	#82-5592	#83-5264	#84-5333	#85-5664	#86-5334	#87-5364	#88-5704	#89-5574	#90-5645
#91-5429	#92-5703	#93-5290	#94-5688	#95-5721	#96-5446	#97-5312	#98-5677	#99-5376	#100-5474

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Type 5 #1 5560 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	315408	86	1659	1380	1181295	1500000
2	3	19	943683	80	1235	1821	553021	1500000
3	3	19	1491740	77	1338	1655	5036	1500000
4	2	19	579811	61	1158	0	918909	1500000
5	3	19	1180350	89	1146	1441	316796	1500000
6	2	19	1192599	91	1291	0	305928	1500000
7	1	19	684071	73	0	0	815856	1500000
8	2	19	1418506	52	1517	0	79873	1500000

Type 5 #2 5530 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	8	680077	77	0	0	176988	857142
2	2	8	187653	88	1655	0	667658	857142
3	2	8	418372	95	1234	0	437346	857142
4	3	8	305782	86	1368	1721	548013	857142
5	2	8	395990	73	976	0	460030	857142
6	3	8	595306	77	1374	1385	258846	857142
7	2	8	201563	63	1654	0	653799	857142
8	1	8	27818	72	0	0	829252	857142
9	1	8	660240	53	0	0	196849	857142
10	3	8	711412	68	1322	1410	142794	857142
11	1	8	504440	53	0	0	352649	857142
12	1	8	593864	91	0	0	263187	857142
13	1	8	831707	82	0	0	25353	857142
14	1	8	287459	88	0	0	569595	857142

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Type 5 #3 5565 [Back to Summary]

Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	6	491538	89	1614	0	429746	923076
2	2	6	230023	89	1360	0	691515	923076
3	2	6	134760	57	1735	0	786467	923076
4	3	6	628843	81	1542	1723	290725	923076
5	3	6	299319	96	1221	1015	621233	923076
6	3	6	514534	65	1394	1791	405162	923076
7	3	6	493796	84	1652	1046	426330	923076
8	2	6	520346	100	1466	0	401064	923076
9	3	6	159464	77	1768	996	760617	923076
10	3	6	574160	68	1464	1697	345551	923076
11	3	6	884940	90	1333	1077	35456	923076
12	3	6	182801	84	1539	1512	736972	923076
13	1	6	450006	76	0	0	472994	923076

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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	1	15	175639	91	0	0	455848	631578
2	2	15	302787	57	1830	0	326847	631578
3	3	15	17409	56	1037	1507	611457	631578
4	1	15	597535	52	0	0	33991	631578
5	3	15	557252	55	971	1686	71504	631578
6	3	15	342726	59	966	1666	286043	631578
7	1	15	158945	59	0	0	472574	631578
8	3	15	380208	80	1452	1562	248116	631578
9	2	15	368319	85	1549	0	261540	631578
10	3	15	490992	53	1002	1018	138407	631578
11	1	15	395585	87	0	0	235906	631578
12	3	15	525857	72	1492	1893	102120	631578
13	3	15	366815	88	935	1821	261743	631578
14	1	15	443344	65	0	0	188169	631578
15	1	15	364960	65	0	0	266553	631578
16	3	15	77393	91	1210	985	551717	631578
17	2	15	627869	99	1666	0	1845	631578
18	2	15	99113	89	1838	0	530449	631578
19	3	15	584452	99	1669	1577	43583	631578

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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	2	11	383780	84	1664	0	1114388	1500000
2	2	11	901605	68	1743	0	596516	1500000
3	1	11	489878	95	0	0	1010027	1500000
4	1	11	694260	74	0	0	805666	1500000
5	3	11	1220436	55	971	1409	277019	1500000
6	3	11	938165	69	1679	1180	558769	1500000
7	2	11	744360	96	1680	0	753768	1500000
8	2	11	698560	99	1019	0	800223	1500000

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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	1	18	660205	59	0	0	430645	1090909
2	3	18	908301	97	1767	1383	179167	1090909
3	1	18	653682	90	0	0	437137	1090909
4	2	18	949245	60	1001	0	140543	1090909
5	1	18	201107	81	0	0	889721	1090909
6	1	18	228812	63	0	0	862034	1090909
7	3	18	462017	73	1394	1271	626008	1090909
8	3	18	1044179	61	1561	1148	43838	1090909
9	2	18	861971	78	1692	0	227090	1090909
10	1	18	192448	55	0	0	898406	1090909
11	3	18	388353	71	1242	1176	699925	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	5	546323	50	1294	1575	200658	750000
2	1	5	276141	70	0	0	473789	750000
3	3	5	440844	68	1304	1675	305973	750000
4	1	5	409065	55	0	0	340880	750000
5	3	5	99417	77	1084	1066	648202	750000
6	1	5	646820	96	0	0	103084	750000
7	1	5	116191	54	0	0	633755	750000
8	2	5	250633	92	1774	0	497409	750000
9	3	5	80150	78	1738	1345	666533	750000
10	3	5	428735	98	1073	1726	318172	750000
11	1	5	693947	91	0	0	55962	750000
12	2	5	368129	81	1120	0	380589	750000
13	3	5	645342	54	1037	1160	102299	750000
14	1	5	677635	93	0	0	72272	750000
15	2	5	735328	61	1654	0	12896	750000
16	1	5	40653	87	0	0	709260	750000

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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	1	5	210520	61	0	0	712495	923076
2	1	5	236648	98	0	0	686330	923076
3	1	5	513484	100	0	0	409492	923076
4	2	5	126331	93	1385	0	795174	923076
5	3	5	711374	60	1405	1043	209074	923076
6	1	5	409556	62	0	0	513458	923076
7	1	5	566601	92	0	0	356383	923076
8	2	5	432567	70	1247	0	489122	923076
9	2	5	540385	56	1215	0	381364	923076
10	1	5	621482	81	0	0	301513	923076
11	1	5	645934	78	0	0	277064	923076
12	2	5	746257	55	1706	0	175003	923076
13	3	5	862705	53	1425	1934	56853	923076

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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	1	13	328564	71	0	0	528507	857142
2	2	13	466510	58	1468	0	389048	857142
3	1	13	803828	50	0	0	53264	857142
4	2	13	508007	71	1668	0	347325	857142
5	1	13	348006	90	0	0	509046	857142
6	1	13	752934	78	0	0	104130	857142
7	2	13	737480	95	918	0	118554	857142
8	1	13	355865	94	0	0	501183	857142
9	2	13	742228	53	1029	0	113779	857142
10	3	13	70954	70	1297	1028	783653	857142
11	3	13	754843	57	1537	1661	98930	857142
12	3	13	271	57	1708	1047	853945	857142
13	3	13	454073	86	1870	1194	399747	857142
14	1	13	142352	95	0	0	714695	857142

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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	6	89246	70	1442	1278	998733	1090909
2	1	6	500096	62	0	0	590751	1090909
3	2	6	710640	52	1350	0	378815	1090909
4	1	6	782988	99	0	0	307822	1090909
5	3	6	401958	83	985	1795	685922	1090909
6	1	6	679297	88	0	0	411524	1090909
7	1	6	716325	60	0	0	374524	1090909
8	3	6	460449	84	1547	1288	627373	1090909
9	1	6	160450	93	0	0	930366	1090909
10	2	6	603082	62	1073	0	486630	1090909
11	2	6	369388	62	1462	0	719935	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	2	10	142104	66	1144	0	856620	1000000
2	1	10	628718	66	0	0	371216	1000000
3	3	10	729085	62	1337	1464	267928	1000000
4	2	10	651675	83	1855	0	346304	1000000
5	3	10	710269	56	1471	1573	286519	1000000
6	1	10	386823	60	0	0	613117	1000000
7	3	10	353280	85	1198	1232	644035	1000000
8	3	10	849730	71	1300	1666	147091	1000000
9	3	10	607750	64	1684	1194	389180	1000000
10	3	10	683813	58	1637	1528	312848	1000000
11	2	10	579563	73	1741	0	418550	1000000
12	2	10	241525	95	1420	0	756865	1000000

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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	2	6	565068	91	1118	0	933632	1500000
2	2	6	1373358	62	1505	0	125013	1500000
3	1	6	344448	62	0	0	1155490	1500000
4	3	6	1222467	73	1305	1256	274753	1500000
5	1	6	1266348	55	0	0	233597	1500000
6	3	6	716687	70	1770	1731	779602	1500000
7	2	6	1111601	67	1136	0	387129	1500000
8	3	6	486766	57	1388	1481	1010194	1500000

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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	1	20	203689	89	0	0	796222	1000000
2	3	20	747570	79	1897	1262	249034	1000000
3	1	20	451257	71	0	0	548672	1000000
4	3	20	404015	63	1920	1529	592347	1000000
5	2	20	608095	54	1691	0	390106	1000000
6	3	20	930560	74	1239	1076	66903	1000000
7	3	20	487193	75	1010	1156	510416	1000000
8	2	20	824313	76	1064	0	174471	1000000
9	1	20	217376	93	0	0	782531	1000000
10	1	20	869686	64	0	0	130250	1000000
11	1	20	919613	73	0	0	80314	1000000
12	3	20	9219	97	1514	1498	987478	1000000

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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	11	1242390	83	1735	1311	87648	1333333
2	1	11	1044702	68	0	0	288563	1333333
3	3	11	1264004	74	1190	1676	66241	1333333
4	2	11	263044	80	1570	0	1068559	1333333
5	3	11	760254	72	1398	1773	569692	1333333
6	1	11	1170162	57	0	0	163114	1333333
7	1	11	518975	75	0	0	814283	1333333
8	1	11	1009912	98	0	0	323323	1333333
9	1	11	721843	51	0	0	611439	1333333

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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	2	17	1325539	100	1555	0	6039	1333333
2	3	17	1195861	50	1152	1309	134861	1333333
3	3	17	482206	61	1286	1489	848169	1333333
4	1	17	1207822	60	0	0	125451	1333333
5	2	17	780146	99	1777	0	551212	1333333
6	1	17	144659	70	0	0	1188604	1333333
7	2	17	978595	63	1294	0	353318	1333333
8	2	17	230426	52	984	0	1101819	1333333
9	3	17	615791	93	1050	1359	714854	1333333

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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	7	424172	85	1836	1764	171973	600000
2	3	7	466120	59	964	948	131791	600000
3	2	7	56414	99	1082	0	542306	600000
4	3	7	518267	81	1781	1278	78431	600000
5	2	7	30895	72	967	0	567994	600000
6	1	7	205339	89	0	0	394572	600000
7	2	7	375564	82	1633	0	222639	600000
8	1	7	331725	89	0	0	268186	600000
9	1	7	21619	100	0	0	578281	600000
10	1	7	94334	81	0	0	505585	600000
11	3	7	49515	89	1738	1731	546749	600000
12	2	7	427214	92	1383	0	171219	600000
13	3	7	396864	84	1885	1115	199884	600000
14	2	7	331121	89	1798	0	266903	600000
15	3	7	214847	98	991	1587	382281	600000
16	2	7	504959	73	1435	0	93460	600000
17	3	7	353826	68	1342	1448	243180	600000
18	2	7	426157	83	1843	0	171834	600000
19	1	7	25311	95	0	0	574594	600000
20	1	7	462028	63	0	0	137909	600000

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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	2	15	294286	63	1797	0	335369	631578
2	3	15	145836	87	1046	1324	483111	631578
3	1	15	495613	60	0	0	135905	631578
4	3	15	131885	99	1050	1676	496670	631578
5	1	15	122452	100	0	0	509026	631578
6	3	15	99975	58	1585	1271	528573	631578
7	1	15	299557	77	0	0	331944	631578
8	2	15	473383	62	1881	0	156190	631578
9	3	15	343324	58	1420	1636	285024	631578
10	3	15	293020	53	1221	1009	336169	631578
11	1	15	126628	100	0	0	504850	631578
12	1	15	371265	75	0	0	260238	631578
13	2	15	158879	76	1729	0	470818	631578
14	1	15	223415	82	0	0	408081	631578
15	1	15	534745	76	0	0	96757	631578
16	2	15	326736	96	1550	0	303100	631578
17	3	15	231685	83	1028	1044	397572	631578
18	1	15	342758	85	0	0	288735	631578
19	3	15	222846	63	1682	1413	405448	631578

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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	2	16	672722	70	1156	0	525982	1200000
2	3	16	282644	65	1863	1684	913614	1200000
3	2	16	665197	92	1507	0	533112	1200000
4	3	16	463337	78	1492	1401	733536	1200000
5	2	16	101704	77	1178	0	1096964	1200000
6	2	16	420607	54	1728	0	777557	1200000
7	2	16	1110368	62	1584	0	87924	1200000
8	1	16	857152	69	0	0	342779	1200000
9	2	16	89223	60	969	0	1109688	1200000
10	1	16	862410	73	0	0	337517	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	7	545896	73	0	0	254031	800000
2	3	7	664618	50	1617	1256	132359	800000
3	3	7	100964	82	1885	1804	695101	800000
4	2	7	368771	76	1553	0	429524	800000
5	1	7	60654	64	0	0	739282	800000
6	1	7	387592	89	0	0	412319	800000
7	1	7	288961	81	0	0	510958	800000
8	1	7	565778	80	0	0	234142	800000
9	2	7	499478	80	1667	0	298695	800000
10	1	7	620035	95	0	0	179870	800000
11	1	7	757994	83	0	0	41923	800000
12	2	7	106732	97	993	0	692081	800000
13	3	7	198369	58	1549	1715	598193	800000
14	3	7	212744	59	1148	1528	584403	800000
15	3	7	732661	68	1351	966	64818	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	6	299674	92	1302	1795	696953	1000000
2	1	6	536924	55	0	0	463021	1000000
3	3	6	609215	85	1186	996	388348	1000000
4	3	6	74583	89	1740	1291	922119	1000000
5	2	6	507502	99	1283	0	491017	1000000
6	1	6	528021	64	0	0	471915	1000000
7	2	6	297067	50	1158	0	701675	1000000
8	3	6	134320	89	1217	1578	862618	1000000
9	1	6	519374	82	0	0	480544	1000000
10	3	6	639504	100	1655	1166	357375	1000000
11	1	6	807216	54	0	0	192730	1000000
12	2	6	791196	58	1447	0	207241	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	352642	60	1243	1609	244326	600000
2	1	19	571032	89	0	0	28879	600000
3	3	19	476205	82	1163	1686	120700	600000
4	2	19	214735	58	1454	0	383695	600000
5	2	19	556277	95	1250	0	42283	600000
6	1	19	421914	70	0	0	178016	600000
7	1	19	443727	77	0	0	156196	600000
8	1	19	39671	54	0	0	560275	600000
9	3	19	187949	64	972	946	409941	600000
10	3	19	355374	72	1628	968	241814	600000
11	2	19	340137	77	1203	0	258506	600000
12	1	19	574748	66	0	0	25186	600000
13	3	19	528771	71	1809	970	68237	600000
14	1	19	562284	56	0	0	37660	600000
15	3	19	346116	58	1259	1165	251286	600000
16	1	19	588144	76	0	0	11780	600000
17	3	19	79740	50	1311	1259	517540	600000
18	2	19	8022	77	1094	0	590730	600000
19	3	19	161791	76	1034	1794	435153	600000
20	1	19	425327	99	0	0	174574	600000

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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	2	16	43192	88	1346	0	955286	1000000
2	1	16	245888	89	0	0	754023	1000000
3	3	16	935244	88	970	1650	61872	1000000
4	1	16	359263	79	0	0	640658	1000000
5	2	16	896378	95	1829	0	101603	1000000
6	2	16	307899	71	1282	0	690677	1000000
7	1	16	271348	78	0	0	728574	1000000
8	2	16	873780	75	1917	0	124153	1000000
9	1	16	532714	65	0	0	467221	1000000
10	3	16	371566	62	1310	987	625951	1000000
11	3	16	52255	99	961	970	945517	1000000
12	2	16	785799	62	1409	0	212668	1000000

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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	1	10	60510	71	0	0	689419	750000
2	1	10	357905	81	0	0	392014	750000
3	1	10	520780	61	0	0	229159	750000
4	3	10	510204	52	1309	1273	237058	750000
5	3	10	252691	64	1771	1357	493989	750000
6	2	10	117917	75	1144	0	630789	750000
7	1	10	66430	94	0	0	683476	750000
8	2	10	632632	64	1076	0	116164	750000
9	1	10	429148	71	0	0	320781	750000
10	1	10	669373	86	0	0	80541	750000
11	1	10	46761	50	0	0	703189	750000
12	3	10	135144	57	1455	1199	612031	750000
13	1	10	543575	52	0	0	206373	750000
14	2	10	261184	83	1915	0	486735	750000
15	3	10	165070	80	1687	1467	581536	750000
16	2	10	596004	83	1690	0	152140	750000

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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	16	40419	84	1167	976	663068	705882
2	1	16	653993	66	0	0	51823	705882
3	2	16	60916	60	1283	0	643563	705882
4	2	16	177743	65	1785	0	526224	705882
5	1	16	202396	68	0	0	503418	705882
6	3	16	348350	62	1780	1385	354181	705882
7	1	16	337281	87	0	0	368514	705882
8	1	16	333998	69	0	0	371815	705882
9	2	16	443827	80	1603	0	260292	705882
10	3	16	94637	51	1608	1152	608332	705882
11	1	16	651398	68	0	0	54416	705882
12	2	16	280783	79	1728	0	423213	705882
13	2	16	611436	91	1163	0	93101	705882
14	1	16	529428	90	0	0	176364	705882
15	2	16	580713	52	1474	0	123591	705882
16	2	16	512908	63	1388	0	191460	705882
17	1	16	415772	63	0	0	290047	705882

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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	14	841627	65	1479	1752	78023	923076
2	3	14	608070	97	1321	1014	312380	923076
3	1	14	375925	99	0	0	547052	923076
4	1	14	26430	59	0	0	896587	923076
5	1	14	496549	71	0	0	426456	923076
6	1	14	109046	84	0	0	813946	923076
7	2	14	205960	90	1526	0	715410	923076
8	1	14	82769	77	0	0	840230	923076
9	1	14	665859	51	0	0	257166	923076
10	1	14	658518	57	0	0	264501	923076
11	3	14	867620	55	1582	1266	52443	923076
12	1	14	242973	68	0	0	680035	923076
13	1	14	336202	85	0	0	586789	923076

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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	2	9	367914	90	1680	0	963559	1333333
2	2	9	340696	72	1351	0	991142	1333333
3	1	9	744093	91	0	0	589149	1333333
4	1	9	673960	51	0	0	659322	1333333
5	3	9	406761	72	1387	1410	923559	1333333
6	3	9	351842	53	1610	1716	978006	1333333
7	3	9	1238098	75	1796	1361	91853	1333333
8	3	9	1310482	68	1150	1240	20257	1333333
9	2	9	1187663	69	1062	0	144470	1333333

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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	1	12	127007	62	0	0	539597	666666
2	3	12	118	97	1843	1212	663202	666666
3	3	12	105439	60	1714	1291	558042	666666
4	2	12	81175	91	1211	0	584098	666666
5	2	12	403171	60	1615	0	261760	666666
6	1	12	67429	79	0	0	599158	666666
7	1	12	311624	86	0	0	354956	666666
8	2	12	481015	77	1596	0	183901	666666
9	3	12	304159	64	1558	1753	359004	666666
10	2	12	315656	100	1534	0	349276	666666
11	3	12	581666	59	1531	1614	81678	666666
12	1	12	109675	54	0	0	556937	666666
13	3	12	125770	50	1157	1648	537941	666666
14	1	12	547540	89	0	0	119037	666666
15	3	12	415165	86	1877	932	248434	666666
16	3	12	392506	69	973	1552	271428	666666
17	3	12	395974	67	1055	1447	267989	666666
18	3	12	371254	77	1095	1079	293007	666666

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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	1	8	143302	69	0	0	1056629	1200000
2	1	8	204380	81	0	0	995539	1200000
3	3	8	684255	79	1001	1169	513338	1200000
4	1	8	768247	56	0	0	431697	1200000
5	2	8	915160	77	988	0	283698	1200000
6	1	8	499716	79	0	0	700205	1200000
7	3	8	647398	92	1631	1472	549223	1200000
8	3	8	217641	87	1252	1184	979662	1200000
9	2	8	924492	70	1062	0	274306	1200000
10	3	8	491174	52	973	1695	706002	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	131911	84	1857	0	497642	631578
2	2	12	127878	66	1528	0	502040	631578
3	1	12	541335	67	0	0	90176	631578
4	3	12	491856	77	1751	1727	136013	631578
5	2	12	499717	73	1070	0	130645	631578
6	3	12	246032	100	1433	1309	382504	631578
7	1	12	119985	71	0	0	511522	631578
8	3	12	11830	76	1458	1549	616513	631578
9	3	12	404566	79	1071	1002	224702	631578
10	3	12	592581	57	1769	1140	35917	631578
11	2	12	549071	74	1557	0	80802	631578
12	1	12	45961	64	0	0	585553	631578
13	1	12	16344	59	0	0	615175	631578
14	3	12	360753	51	1770	962	267940	631578
15	1	12	406605	59	0	0	224914	631578
16	3	12	49148	92	1619	1198	579337	631578
17	1	12	122555	51	0	0	508972	631578
18	1	12	73271	90	0	0	558217	631578
19	1	12	162629	83	0	0	468866	631578

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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	10	97308	86	1322	1038	500074	600000
2	2	10	150646	62	1428	0	447802	600000
3	3	10	476871	88	1756	1115	119994	600000
4	3	10	586160	72	1477	1897	10250	600000
5	2	10	27073	81	1043	0	571722	600000
6	2	10	21490	79	1777	0	576575	600000
7	1	10	279780	91	0	0	320129	600000
8	2	10	497391	94	1577	0	100844	600000
9	3	10	556184	77	1213	1441	40931	600000
10	1	10	465066	96	0	0	134838	600000
11	1	10	586557	63	0	0	13380	600000
12	3	10	342980	90	1290	948	254512	600000
13	3	10	347054	88	1308	1780	249594	600000
14	1	10	225085	96	0	0	374819	600000
15	1	10	430164	95	0	0	169741	600000
16	1	10	196396	72	0	0	403532	600000
17	1	10	383228	59	0	0	216713	600000
18	1	10	458998	79	0	0	140923	600000
19	3	10	291256	92	1571	1541	305356	600000
20	2	10	243724	54	974	0	355194	600000

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#01-5491	#02-5363	#03-5336	#04-5444	#05-5579	#06-5281	#07-5274	#08-5585	#09-5560	#10-5323
#11-5555	#12-5261	#13-5330	#14-5434	#15-5640	#16-5631	#17-5722	#18-5337	#19-5496	#20-5583
#21-5483	#22-5271	#23-5321	#24-5440	#25-5256	#26-5549	#27-5266	#28-5711	#29-5253	#30-5378
#31-5347	#32-5338	#33-5616	#34-5702	#35-5350	#36-5326	#37-5254	#38-5464	#39-5694	#40-5487
#41-5527	#42-5519	#43-5528	#44-5288	#45-5370	#46-5623	#47-5721	#48-5674	#49-5695	#50-5536
#51-5656	#52-5482	#53-5397	#54-5643	#55-5706	#56-5470	#57-5297	#58-5621	#59-5438	#60-5284
#61-5269	#62-5293	#63-5581	#64-5441	#65-5704	#66-5476	#67-5380	#68-5357	#69-5346	#70-5568
#71-5627	#72-5516	#73-5373	#74-5264	#75-5313	#76-5689	#77-5475	#78-5294	#79-5334	#80-5374
#81-5556	#82-5320	#83-5270	#84-5452	#85-5450	#86-5591	#87-5665	#88-5693	#89-5719	#90-5600
#91-5286	#92-5367	#93-5277	#94-5663	#95-5472	#96-5494	#97-5659	#98-5349	#99-5309	#100-5612

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#01-5496	#02-5622	#03-5585	#04-5380	#05-5634	#06-5391	#07-5366	#08-5378	#09-5582	#10-5264
#11-5723	#12-5255	#13-5544	#14-5324	#15-5455	#16-5676	#17-5272	#18-5387	#19-5719	#20-5371
#21-5534	#22-5405	#23-5353	#24-5468	#25-5536	#26-5520	#27-5492	#28-5426	#29-5523	#30-5551
#31-5282	#32-5386	#33-5709	#34-5441	#35-5595	#36-5654	#37-5456	#38-5611	#39-5538	#40-5299
#41-5469	#42-5537	#43-5359	#44-5704	#45-5601	#46-5274	#47-5539	#48-5672	#49-5459	#50-5514
#51-5463	#52-5526	#53-5338	#54-5657	#55-5326	#56-5342	#57-5518	#58-5368	#59-5575	#60-5362
#61-5628	#62-5669	#63-5587	#64-5285	#65-5707	#66-5590	#67-5269	#68-5352	#69-5457	#70-5527
#71-5471	#72-5389	#73-5576	#74-5671	#75-5632	#76-5724	#77-5290	#78-5373	#79-5594	#80-5507
#81-5706	#82-5548	#83-5688	#84-5254	#85-5330	#86-5479	#87-5294	#88-5306	#89-5361	#90-5497
#91-5388	#92-5334	#93-5288	#94-5424	#95-5406	#96-5528	#97-5678	#98-5325	#99-5720	#100-5260

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#01-5254	#02-5431	#03-5464	#04-5658	#05-5295	#06-5328	#07-5677	#08-5397	#09-5276	#10-5331
#11-5306	#12-5398	#13-5506	#14-5313	#15-5384	#16-5334	#17-5704	#18-5580	#19-5676	#20-5481
#21-5547	#22-5689	#23-5718	#24-5684	#25-5394	#26-5386	#27-5352	#28-5407	#29-5523	#30-5357
#31-5297	#32-5686	#33-5378	#34-5582	#35-5509	#36-5531	#37-5333	#38-5280	#39-5683	#40-5256
#41-5533	#42-5621	#43-5279	#44-5284	#45-5448	#46-5713	#47-5561	#48-5701	#49-5292	#50-5324
#51-5549	#52-5354	#53-5382	#54-5498	#55-5447	#56-5291	#57-5444	#58-5508	#59-5521	#60-5635
#61-5702	#62-5529	#63-5603	#64-5644	#65-5281	#66-5348	#67-5268	#68-5645	#69-5535	#70-5581
#71-5722	#72-5668	#73-5615	#74-5665	#75-5669	#76-5642	#77-5653	#78-5682	#79-5490	#80-5409
#81-5551	#82-5374	#83-5365	#84-5452	#85-5536	#86-5670	#87-5560	#88-5602	#89-5392	#90-5466
#91-5342	#92-5554	#93-5487	#94-5302	#95-5275	#96-5253	#97-5269	#98-5364	#99-5251	#100-5356

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#01-5694	#02-5636	#03-5421	#04-5436	#05-5322	#06-5596	#07-5456	#08-5429	#09-5546	#10-5517
#11-5354	#12-5477	#13-5259	#14-5362	#15-5333	#16-5581	#17-5412	#18-5401	#19-5361	#20-5330
#21-5510	#22-5388	#23-5509	#24-5311	#25-5492	#26-5420	#27-5438	#28-5572	#29-5646	#30-5670
#31-5630	#32-5554	#33-5685	#34-5392	#35-5435	#36-5641	#37-5677	#38-5651	#39-5374	#40-5662
#41-5470	#42-5377	#43-5305	#44-5599	#45-5356	#46-5589	#47-5544	#48-5375	#49-5693	#50-5423
#51-5567	#52-5594	#53-5721	#54-5644	#55-5565	#56-5556	#57-5376	#58-5351	#59-5674	#60-5627
#61-5411	#62-5612	#63-5511	#64-5603	#65-5613	#66-5526	#67-5514	#68-5588	#69-5655	#70-5415
#71-5628	#72-5483	#73-5272	#74-5422	#75-5584	#76-5368	#77-5318	#78-5634	#79-5682	#80-5622
#81-5595	#82-5298	#83-5598	#84-5465	#85-5342	#86-5281	#87-5548	#88-5285	#89-5543	#90-5601
#91-5502	#92-5561	#93-5704	#94-5467	#95-5490	#96-5574	#97-5586	#98-5426	#99-5711	#100-5545

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#01-5320	#02-5677	#03-5449	#04-5521	#05-5517	#06-5328	#07-5569	#08-5546	#09-5305	#10-5439
#11-5480	#12-5470	#13-5403	#14-5297	#15-5279	#16-5360	#17-5262	#18-5293	#19-5505	#20-5583
#21-5701	#22-5481	#23-5290	#24-5304	#25-5638	#26-5316	#27-5516	#28-5532	#29-5655	#30-5257
#31-5512	#32-5623	#33-5652	#34-5377	#35-5558	#36-5648	#37-5585	#38-5334	#39-5679	#40-5273
#41-5443	#42-5258	#43-5708	#44-5365	#45-5375	#46-5289	#47-5417	#48-5654	#49-5446	#50-5393
#51-5571	#52-5552	#53-5657	#54-5384	#55-5584	#56-5570	#57-5637	#58-5400	#59-5612	#60-5458
#61-5542	#62-5292	#63-5620	#64-5302	#65-5660	#66-5588	#67-5545	#68-5281	#69-5471	#70-5361
#71-5501	#72-5663	#73-5346	#74-5479	#75-5389	#76-5694	#77-5496	#78-5659	#79-5662	#80-5599
#81-5625	#82-5586	#83-5338	#84-5513	#85-5416	#86-5690	#87-5695	#88-5519	#89-5515	#90-5713
#91-5259	#92-5432	#93-5441	#94-5467	#95-5455	#96-5401	#97-5366	#98-5664	#99-5427	#100-5509

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#01-5467	#02-5382	#03-5433	#04-5333	#05-5612	#06-5635	#07-5457	#08-5424	#09-5719	#10-5613
#11-5320	#12-5705	#13-5465	#14-5263	#15-5556	#16-5680	#17-5679	#18-5353	#19-5605	#20-5693
#21-5616	#22-5275	#23-5487	#24-5482	#25-5347	#26-5315	#27-5463	#28-5593	#29-5271	#30-5709
#31-5573	#32-5559	#33-5475	#34-5394	#35-5378	#36-5494	#37-5401	#38-5250	#39-5628	#40-5508
#41-5480	#42-5518	#43-5527	#44-5631	#45-5641	#46-5279	#47-5695	#48-5427	#49-5639	#50-5501
#51-5441	#52-5261	#53-5301	#54-5458	#55-5618	#56-5439	#57-5620	#58-5673	#59-5711	#60-5542
#61-5415	#62-5582	#63-5399	#64-5259	#65-5289	#66-5485	#67-5479	#68-5319	#69-5606	#70-5314
#71-5530	#72-5681	#73-5447	#74-5350	#75-5462	#76-5351	#77-5474	#78-5581	#79-5568	#80-5321
#81-5345	#82-5284	#83-5683	#84-5498	#85-5517	#86-5565	#87-5513	#88-5266	#89-5505	#90-5662
#91-5596	#92-5446	#93-5267	#94-5334	#95-5337	#96-5623	#97-5364	#98-5521	#99-5592	#100-5403

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Type 6 #7 [Back to Summary]									
#01-5522	#02-5626	#03-5546	#04-5574	#05-5697	#06-5487	#07-5533	#08-5674	#09-5721	#10-5512
#11-5691	#12-5287	#13-5354	#14-5638	#15-5443	#16-5385	#17-5625	#18-5632	#19-5466	#20-5444
#21-5699	#22-5460	#23-5538	#24-5669	#25-5436	#26-5323	#27-5662	#28-5364	#29-5264	#30-5567
#31-5714	#32-5680	#33-5713	#34-5408	#35-5517	#36-5439	#37-5456	#38-5352	#39-5518	#40-5273
#41-5279	#42-5558	#43-5268	#44-5709	#45-5689	#46-5555	#47-5342	#48-5347	#49-5606	#50-5667
#51-5716	#52-5447	#53-5295	#54-5390	#55-5425	#56-5306	#57-5333	#58-5595	#59-5379	#60-5615
#61-5545	#62-5413	#63-5654	#64-5397	#65-5523	#66-5258	#67-5298	#68-5661	#69-5366	#70-5251
#71-5645	#72-5515	#73-5361	#74-5446	#75-5416	#76-5387	#77-5448	#78-5554	#79-5702	#80-5604
#81-5703	#82-5563	#83-5480	#84-5315	#85-5577	#86-5506	#87-5631	#88-5569	#89-5706	#90-5463
#91-5356	#92-5585	#93-5695	#94-5619	#95-5442	#96-5583	#97-5620	#98-5588	#99-5424	#100-5677

Type 6 #8 [Back to Summary]									
#01-5510	#02-5403	#03-5708	#04-5609	#05-5272	#06-5445	#07-5339	#08-5574	#09-5700	#10-5292
#11-5586	#12-5503	#13-5621	#14-5495	#15-5641	#16-5709	#17-5658	#18-5589	#19-5543	#20-5264
#21-5348	#22-5449	#23-5682	#24-5625	#25-5613	#26-5312	#27-5540	#28-5458	#29-5721	#30-5551
#31-5482	#32-5572	#33-5369	#34-5269	#35-5347	#36-5547	#37-5579	#38-5596	#39-5295	#40-5382
#41-5419	#42-5311	#43-5594	#44-5665	#45-5603	#46-5576	#47-5691	#48-5450	#49-5711	#50-5461
#51-5652	#52-5283	#53-5297	#54-5415	#55-5580	#56-5309	#57-5440	#58-5332	#59-5718	#60-5681
#61-5624	#62-5600	#63-5568	#64-5392	#65-5522	#66-5258	#67-5380	#68-5597	#69-5395	#70-5338
#71-5375	#72-5313	#73-5538	#74-5411	#75-5561	#76-5285	#77-5577	#78-5267	#79-5273	#80-5287
#81-5350	#82-5343	#83-5475	#84-5504	#85-5630	#86-5453	#87-5526	#88-5677	#89-5410	#90-5291
#91-5359	#92-5497	#93-5607	#94-5336	#95-5481	#96-5539	#97-5459	#98-5447	#99-5386	#100-5598

Type 6 #9 [Back to Summary]									
#01-5447	#02-5342	#03-5306	#04-5621	#05-5338	#06-5592	#07-5463	#08-5609	#09-5575	#10-5547
#11-5452	#12-5425	#13-5309	#14-5684	#15-5589	#16-5535	#17-5377	#18-5322	#19-5495	#20-5327
#21-5455	#22-5430	#23-5439	#24-5358	#25-5709	#26-5605	#27-5433	#28-5465	#29-5657	#30-5273
#31-5554	#32-5381	#33-5612	#34-5402	#35-5564	#36-5252	#37-5283	#38-5581	#39-5417	#40-5284
#41-5715	#42-5648	#43-5352	#44-5588	#45-5562	#46-5658	#47-5441	#48-5646	#49-5474	#50-5673
#51-5412	#52-5385	#53-5681	#54-5304	#55-5389	#56-5265	#57-5630	#58-5675	#59-5638	#60-5464
#61-5407	#62-5250	#63-5680	#64-5549	#65-5721	#66-5320	#67-5539	#68-5631	#69-5369	#70-5584
#71-5503	#72-5521	#73-5629	#74-5461	#75-5336	#76-5530	#77-5328	#78-5576	#79-5518	#80-5300
#81-5411	#82-5512	#83-5716	#84-5707	#85-5583	#86-5414	#87-5424	#88-5550	#89-5262	#90-5543
#91-5349	#92-5334	#93-5667	#94-5685	#95-5600	#96-5713	#97-5692	#98-5519	#99-5590	#100-5487

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#01-5362	#02-5534	#03-5523	#04-5609	#05-5418	#06-5617	#07-5480	#08-5467	#09-5694	#10-5580
#11-5662	#12-5298	#13-5400	#14-5583	#15-5296	#16-5621	#17-5259	#18-5695	#19-5691	#20-5552
#21-5618	#22-5715	#23-5615	#24-5545	#25-5482	#26-5412	#27-5578	#28-5671	#29-5582	#30-5346
#31-5561	#32-5522	#33-5711	#34-5279	#35-5664	#36-5599	#37-5714	#38-5353	#39-5532	#40-5689
#41-5655	#42-5680	#43-5574	#44-5399	#45-5602	#46-5299	#47-5653	#48-5329	#49-5630	#50-5703
#51-5701	#52-5722	#53-5544	#54-5283	#55-5586	#56-5367	#57-5634	#58-5693	#59-5369	#60-5251
#61-5282	#62-5517	#63-5596	#64-5581	#65-5264	#66-5379	#67-5313	#68-5370	#69-5636	#70-5415
#71-5624	#72-5622	#73-5398	#74-5724	#75-5608	#76-5652	#77-5377	#78-5451	#79-5659	#80-5429
#81-5471	#82-5487	#83-5287	#84-5593	#85-5364	#86-5554	#87-5690	#88-5670	#89-5404	#90-5527
#91-5682	#92-5265	#93-5706	#94-5518	#95-5647	#96-5371	#97-5323	#98-5712	#99-5387	#100-5463

Type 6 #11 [Back to Summary]									
#01-5712	#02-5537	#03-5414	#04-5465	#05-5322	#06-5325	#07-5568	#08-5559	#09-5390	#10-5660
#11-5715	#12-5429	#13-5281	#14-5661	#15-5494	#16-5509	#17-5493	#18-5250	#19-5473	#20-5419
#21-5409	#22-5360	#23-5686	#24-5346	#25-5455	#26-5615	#27-5644	#28-5591	#29-5313	#30-5492
#31-5585	#32-5391	#33-5316	#34-5440	#35-5449	#36-5671	#37-5333	#38-5549	#39-5534	#40-5293
#41-5252	#42-5386	#43-5539	#44-5476	#45-5558	#46-5512	#47-5707	#48-5295	#49-5292	#50-5399
#51-5611	#52-5327	#53-5491	#54-5697	#55-5315	#56-5603	#57-5579	#58-5319	#59-5260	#60-5435
#61-5406	#62-5701	#63-5498	#64-5626	#65-5329	#66-5576	#67-5363	#68-5572	#69-5466	#70-5552
#71-5426	#72-5673	#73-5444	#74-5428	#75-5418	#76-5272	#77-5556	#78-5464	#79-5522	#80-5674
#81-5635	#82-5604	#83-5550	#84-5643	#85-5614	#86-5510	#87-5630	#88-5345	#89-5371	#90-5577
#91-5343	#92-5265	#93-5540	#94-5351	#95-5621	#96-5274	#97-5624	#98-5642	#99-5396	#100-5708

Type 6 #12 [Back to Summary]									
#01-5398	#02-5389	#03-5558	#04-5470	#05-5698	#06-5660	#07-5607	#08-5311	#09-5527	#10-5291
#11-5298	#12-5364	#13-5525	#14-5315	#15-5528	#16-5532	#17-5406	#18-5579	#19-5262	#20-5545
#21-5672	#22-5264	#23-5445	#24-5617	#25-5455	#26-5411	#27-5383	#28-5343	#29-5540	#30-5395
#31-5378	#32-5642	#33-5314	#34-5539	#35-5522	#36-5492	#37-5290	#38-5329	#39-5670	#40-5677
#41-5627	#42-5568	#43-5546	#44-5333	#45-5523	#46-5706	#47-5464	#48-5474	#49-5552	#50-5336
#51-5598	#52-5289	#53-5626	#54-5584	#55-5283	#56-5385	#57-5673	#58-5668	#59-5263	#60-5538
#61-5524	#62-5511	#63-5497	#64-5384	#65-5640	#66-5382	#67-5300	#68-5716	#69-5512	#70-5284
#71-5486	#72-5328	#73-5637	#74-5317	#75-5646	#76-5357	#77-5447	#78-5365	#79-5344	#80-5476
#81-5675	#82-5636	#83-5518	#84-5451	#85-5526	#86-5339	#87-5265	#88-5459	#89-5500	#90-5394
#91-5555	#92-5352	#93-5313	#94-5381	#95-5404	#96-5362	#97-5318	#98-5418	#99-5426	#100-5400

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#01-5655	#02-5474	#03-5683	#04-5511	#05-5570	#06-5517	#07-5379	#08-5558	#09-5662	#10-5653
#11-5661	#12-5554	#13-5575	#14-5508	#15-5591	#16-5616	#17-5720	#18-5296	#19-5582	#20-5544
#21-5364	#22-5561	#23-5457	#24-5372	#25-5458	#26-5386	#27-5262	#28-5500	#29-5641	#30-5529
#31-5288	#32-5286	#33-5671	#34-5676	#35-5539	#36-5439	#37-5678	#38-5257	#39-5603	#40-5254
#41-5682	#42-5425	#43-5515	#44-5566	#45-5445	#46-5713	#47-5489	#48-5519	#49-5503	#50-5494
#51-5358	#52-5267	#53-5545	#54-5593	#55-5273	#56-5337	#57-5261	#58-5553	#59-5300	#60-5426
#61-5498	#62-5602	#63-5640	#64-5375	#65-5615	#66-5624	#67-5612	#68-5627	#69-5696	#70-5392
#71-5666	#72-5711	#73-5411	#74-5576	#75-5590	#76-5660	#77-5295	#78-5617	#79-5647	#80-5464
#81-5611	#82-5451	#83-5719	#84-5382	#85-5409	#86-5275	#87-5454	#88-5325	#89-5650	#90-5443
#91-5424	#92-5362	#93-5688	#94-5414	#95-5467	#96-5327	#97-5506	#98-5385	#99-5681	#100-5546

Type 6 #14 [Back to Summary]									
#01-5350	#02-5596	#03-5554	#04-5365	#05-5562	#06-5378	#07-5573	#08-5693	#09-5722	#10-5332
#11-5294	#12-5367	#13-5631	#14-5543	#15-5537	#16-5290	#17-5607	#18-5499	#19-5684	#20-5590
#21-5408	#22-5531	#23-5697	#24-5485	#25-5685	#26-5541	#27-5274	#28-5720	#29-5353	#30-5510
#31-5397	#32-5626	#33-5663	#34-5343	#35-5375	#36-5268	#37-5633	#38-5602	#39-5549	#40-5291
#41-5426	#42-5492	#43-5327	#44-5568	#45-5410	#46-5317	#47-5462	#48-5391	#49-5609	#50-5433
#51-5448	#52-5261	#53-5435	#54-5337	#55-5396	#56-5539	#57-5627	#58-5313	#59-5405	#60-5266
#61-5354	#62-5579	#63-5591	#64-5460	#65-5662	#66-5395	#67-5429	#68-5533	#69-5422	#70-5519
#71-5384	#72-5252	#73-5676	#74-5646	#75-5418	#76-5640	#77-5458	#78-5376	#79-5326	#80-5620
#81-5329	#82-5613	#83-5362	#84-5652	#85-5312	#86-5387	#87-5450	#88-5578	#89-5679	#90-5561
#91-5371	#92-5569	#93-5455	#94-5534	#95-5668	#96-5576	#97-5637	#98-5599	#99-5638	#100-5264

Type 6 #15 [Back to Summary]									
#01-5618	#02-5654	#03-5695	#04-5337	#05-5298	#06-5446	#07-5313	#08-5515	#09-5647	#10-5482
#11-5334	#12-5497	#13-5711	#14-5511	#15-5661	#16-5464	#17-5461	#18-5665	#19-5390	#20-5526
#21-5675	#22-5572	#23-5581	#24-5582	#25-5396	#26-5540	#27-5524	#28-5385	#29-5702	#30-5564
#31-5253	#32-5583	#33-5463	#34-5312	#35-5723	#36-5399	#37-5637	#38-5273	#39-5598	#40-5593
#41-5320	#42-5651	#43-5652	#44-5438	#45-5472	#46-5597	#47-5576	#48-5664	#49-5595	#50-5440
#51-5356	#52-5692	#53-5448	#54-5354	#55-5310	#56-5291	#57-5319	#58-5360	#59-5666	#60-5479
#61-5640	#62-5645	#63-5533	#64-5329	#65-5475	#66-5471	#67-5276	#68-5642	#69-5508	#70-5505
#71-5547	#72-5430	#73-5314	#74-5519	#75-5447	#76-5270	#77-5641	#78-5384	#79-5355	#80-5522
#81-5686	#82-5586	#83-5510	#84-5498	#85-5449	#86-5283	#87-5374	#88-5359	#89-5724	#90-5680
#91-5328	#92-5530	#93-5333	#94-5366	#95-5677	#96-5395	#97-5364	#98-5569	#99-5691	#100-5250

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#01-5570	#02-5660	#03-5400	#04-5337	#05-5622	#06-5645	#07-5624	#08-5658	#09-5627	#10-5291
#11-5373	#12-5655	#13-5253	#14-5390	#15-5520	#16-5306	#17-5384	#18-5283	#19-5597	#20-5444
#21-5349	#22-5642	#23-5647	#24-5556	#25-5430	#26-5271	#27-5355	#28-5677	#29-5568	#30-5309
#31-5631	#32-5323	#33-5427	#34-5359	#35-5682	#36-5275	#37-5440	#38-5431	#39-5604	#40-5534
#41-5388	#42-5449	#43-5461	#44-5686	#45-5551	#46-5401	#47-5525	#48-5672	#49-5567	#50-5616
#51-5262	#52-5331	#53-5701	#54-5496	#55-5625	#56-5652	#57-5264	#58-5562	#59-5632	#60-5595
#61-5536	#62-5678	#63-5336	#64-5565	#65-5383	#66-5302	#67-5480	#68-5617	#69-5436	#70-5494
#71-5589	#72-5685	#73-5402	#74-5314	#75-5307	#76-5626	#77-5437	#78-5693	#79-5255	#80-5282
#81-5471	#82-5411	#83-5357	#84-5680	#85-5295	#86-5546	#87-5351	#88-5654	#89-5457	#90-5277
#91-5260	#92-5590	#93-5516	#94-5256	#95-5719	#96-5438	#97-5363	#98-5606	#99-5544	#100-5501

Type 6 #17 [Back to Summary]									
#01-5642	#02-5628	#03-5482	#04-5321	#05-5274	#06-5307	#07-5655	#08-5633	#09-5439	#10-5723
#11-5465	#12-5300	#13-5560	#14-5600	#15-5380	#16-5383	#17-5569	#18-5385	#19-5526	#20-5556
#21-5678	#22-5551	#23-5417	#24-5408	#25-5486	#26-5724	#27-5410	#28-5394	#29-5319	#30-5597
#31-5519	#32-5549	#33-5388	#34-5477	#35-5360	#36-5568	#37-5652	#38-5281	#39-5654	#40-5710
#41-5621	#42-5440	#43-5461	#44-5453	#45-5534	#46-5686	#47-5282	#48-5641	#49-5599	#50-5584
#51-5587	#52-5698	#53-5331	#54-5715	#55-5542	#56-5336	#57-5457	#58-5322	#59-5558	#60-5271
#61-5618	#62-5504	#63-5561	#64-5564	#65-5447	#66-5638	#67-5634	#68-5330	#69-5483	#70-5532
#71-5450	#72-5530	#73-5448	#74-5535	#75-5663	#76-5481	#77-5337	#78-5689	#79-5596	#80-5516
#81-5691	#82-5488	#83-5511	#84-5446	#85-5256	#86-5543	#87-5459	#88-5390	#89-5657	#90-5272
#91-5350	#92-5576	#93-5434	#94-5627	#95-5338	#96-5358	#97-5604	#98-5620	#99-5251	#100-5622

Type 6 #18 [Back to Summary]									
#01-5300	#02-5675	#03-5404	#04-5311	#05-5380	#06-5302	#07-5494	#08-5520	#09-5307	#10-5314
#11-5723	#12-5500	#13-5452	#14-5284	#15-5310	#16-5379	#17-5712	#18-5357	#19-5561	#20-5631
#21-5424	#22-5489	#23-5407	#24-5466	#25-5437	#26-5608	#27-5342	#28-5556	#29-5453	#30-5550
#31-5613	#32-5445	#33-5686	#34-5701	#35-5478	#36-5264	#37-5341	#38-5462	#39-5331	#40-5680
#41-5304	#42-5673	#43-5346	#44-5594	#45-5275	#46-5585	#47-5378	#48-5415	#49-5573	#50-5690
#51-5377	#52-5504	#53-5316	#54-5350	#55-5457	#56-5542	#57-5527	#58-5665	#59-5605	#60-5503
#61-5687	#62-5662	#63-5321	#64-5487	#65-5428	#66-5535	#67-5541	#68-5476	#69-5539	#70-5289
#71-5283	#72-5509	#73-5270	#74-5607	#75-5581	#76-5473	#77-5396	#78-5543	#79-5436	#80-5582
#81-5483	#82-5655	#83-5709	#84-5486	#85-5418	#86-5362	#87-5382	#88-5596	#89-5507	#90-5661
#91-5469	#92-5397	#93-5588	#94-5563	#95-5719	#96-5364	#97-5612	#98-5587	#99-5414	#100-5471

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Type 6 #19 [Back to Summary]									
#01-5295	#02-5626	#03-5600	#04-5526	#05-5654	#06-5595	#07-5473	#08-5433	#09-5494	#10-5705
#11-5391	#12-5711	#13-5478	#14-5275	#15-5267	#16-5283	#17-5680	#18-5559	#19-5316	#20-5315
#21-5401	#22-5671	#23-5697	#24-5596	#25-5546	#26-5611	#27-5645	#28-5439	#29-5606	#30-5457
#31-5585	#32-5533	#33-5366	#34-5689	#35-5525	#36-5575	#37-5303	#38-5427	#39-5552	#40-5543
#41-5612	#42-5668	#43-5343	#44-5514	#45-5511	#46-5476	#47-5642	#48-5550	#49-5532	#50-5686
#51-5403	#52-5293	#53-5509	#54-5350	#55-5320	#56-5347	#57-5651	#58-5252	#59-5703	#60-5289
#61-5674	#62-5282	#63-5548	#64-5285	#65-5365	#66-5579	#67-5589	#68-5506	#69-5464	#70-5410
#71-5706	#72-5492	#73-5254	#74-5486	#75-5423	#76-5450	#77-5574	#78-5421	#79-5330	#80-5317
#81-5694	#82-5342	#83-5628	#84-5646	#85-5301	#86-5540	#87-5268	#88-5265	#89-5619	#90-5429
#91-5652	#92-5305	#93-5451	#94-5510	#95-5597	#96-5576	#97-5369	#98-5312	#99-5404	#100-5662

Type 6 #20 [Back to Summary]									
#01-5615	#02-5377	#03-5333	#04-5376	#05-5707	#06-5635	#07-5290	#08-5274	#09-5649	#10-5588
#11-5496	#12-5474	#13-5647	#14-5636	#15-5320	#16-5580	#17-5383	#18-5628	#19-5709	#20-5542
#21-5559	#22-5572	#23-5618	#24-5288	#25-5483	#26-5655	#27-5296	#28-5461	#29-5617	#30-5570
#31-5338	#32-5513	#33-5270	#34-5393	#35-5424	#36-5563	#37-5258	#38-5499	#39-5667	#40-5390
#41-5501	#42-5719	#43-5342	#44-5279	#45-5662	#46-5427	#47-5378	#48-5538	#49-5443	#50-5264
#51-5446	#52-5462	#53-5326	#54-5586	#55-5351	#56-5292	#57-5482	#58-5297	#59-5614	#60-5307
#61-5591	#62-5550	#63-5382	#64-5327	#65-5504	#66-5704	#67-5453	#68-5508	#69-5464	#70-5479
#71-5576	#72-5607	#73-5692	#74-5568	#75-5293	#76-5566	#77-5484	#78-5595	#79-5356	#80-5310
#81-5526	#82-5477	#83-5269	#84-5609	#85-5380	#86-5604	#87-5438	#88-5411	#89-5295	#90-5388
#91-5337	#92-5691	#93-5619	#94-5613	#95-5525	#96-5680	#97-5590	#98-5265	#99-5503	#100-5684

Type 6 #21 [Back to Summary]									
#01-5699	#02-5597	#03-5328	#04-5689	#05-5415	#06-5564	#07-5495	#08-5480	#09-5542	#10-5505
#11-5530	#12-5616	#13-5664	#14-5554	#15-5500	#16-5357	#17-5528	#18-5494	#19-5671	#20-5625
#21-5509	#22-5290	#23-5455	#24-5325	#25-5390	#26-5609	#27-5718	#28-5329	#29-5292	#30-5340
#31-5703	#32-5462	#33-5337	#34-5396	#35-5333	#36-5652	#37-5400	#38-5303	#39-5438	#40-5538
#41-5355	#42-5684	#43-5592	#44-5512	#45-5578	#46-5441	#47-5271	#48-5304	#49-5358	#50-5416
#51-5395	#52-5341	#53-5317	#54-5605	#55-5421	#56-5658	#57-5386	#58-5250	#59-5549	#60-5534
#61-5576	#62-5417	#63-5440	#64-5454	#65-5531	#66-5311	#67-5529	#68-5519	#69-5472	#70-5582
#71-5686	#72-5475	#73-5306	#74-5382	#75-5523	#76-5559	#77-5425	#78-5676	#79-5476	#80-5677
#81-5590	#82-5662	#83-5702	#84-5607	#85-5669	#86-5617	#87-5391	#88-5457	#89-5707	#90-5398
#91-5515	#92-5394	#93-5483	#94-5635	#95-5691	#96-5661	#97-5492	#98-5380	#99-5711	#100-5510

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Type 6 #22 [Back to Summary]									
#01-5641	#02-5481	#03-5559	#04-5504	#05-5454	#06-5647	#07-5279	#08-5662	#09-5332	#10-5590
#11-5480	#12-5434	#13-5500	#14-5596	#15-5672	#16-5634	#17-5436	#18-5557	#19-5507	#20-5638
#21-5643	#22-5315	#23-5534	#24-5317	#25-5307	#26-5531	#27-5715	#28-5397	#29-5415	#30-5579
#31-5303	#32-5283	#33-5691	#34-5686	#35-5282	#36-5353	#37-5352	#38-5444	#39-5395	#40-5271
#41-5583	#42-5459	#43-5377	#44-5364	#45-5646	#46-5330	#47-5623	#48-5613	#49-5689	#50-5301
#51-5474	#52-5664	#53-5604	#54-5321	#55-5593	#56-5571	#57-5671	#58-5488	#59-5442	#60-5649
#61-5657	#62-5600	#63-5489	#64-5472	#65-5530	#66-5441	#67-5466	#68-5537	#69-5558	#70-5564
#71-5527	#72-5720	#73-5405	#74-5478	#75-5302	#76-5425	#77-5667	#78-5414	#79-5392	#80-5706
#81-5629	#82-5346	#83-5430	#84-5362	#85-5350	#86-5365	#87-5400	#88-5618	#89-5336	#90-5429
#91-5403	#92-5585	#93-5250	#94-5473	#95-5338	#96-5705	#97-5695	#98-5622	#99-5550	#100-5446

Type 6 #23 [Back to Summary]									
#01-5583	#02-5335	#03-5302	#04-5371	#05-5496	#06-5481	#07-5502	#08-5372	#09-5263	#10-5414
#11-5637	#12-5499	#13-5341	#14-5466	#15-5264	#16-5559	#17-5418	#18-5377	#19-5374	#20-5421
#21-5293	#22-5580	#23-5452	#24-5382	#25-5413	#26-5673	#27-5718	#28-5663	#29-5395	#30-5325
#31-5471	#32-5288	#33-5598	#34-5679	#35-5370	#36-5551	#37-5298	#38-5318	#39-5601	#40-5604
#41-5595	#42-5281	#43-5611	#44-5655	#45-5526	#46-5638	#47-5501	#48-5514	#49-5462	#50-5515
#51-5542	#52-5570	#53-5506	#54-5388	#55-5405	#56-5257	#57-5618	#58-5653	#59-5688	#60-5552
#61-5487	#62-5566	#63-5705	#64-5666	#65-5674	#66-5596	#67-5630	#68-5386	#69-5342	#70-5440
#71-5509	#72-5346	#73-5504	#74-5494	#75-5550	#76-5260	#77-5697	#78-5523	#79-5581	#80-5495
#81-5423	#82-5454	#83-5447	#84-5612	#85-5516	#86-5627	#87-5512	#88-5450	#89-5527	#90-5356
#91-5665	#92-5366	#93-5352	#94-5294	#95-5357	#96-5276	#97-5304	#98-5675	#99-5709	#100-5654

Type 6 #24 [Back to Summary]									
#01-5255	#02-5359	#03-5418	#04-5270	#05-5252	#06-5443	#07-5315	#08-5256	#09-5564	#10-5396
#11-5291	#12-5344	#13-5323	#14-5440	#15-5382	#16-5282	#17-5369	#18-5351	#19-5408	#20-5302
#21-5340	#22-5433	#23-5596	#24-5706	#25-5513	#26-5392	#27-5714	#28-5468	#29-5394	#30-5530
#31-5682	#32-5278	#33-5547	#34-5655	#35-5501	#36-5318	#37-5294	#38-5441	#39-5610	#40-5328
#41-5567	#42-5515	#43-5624	#44-5386	#45-5330	#46-5578	#47-5308	#48-5653	#49-5647	#50-5338
#51-5642	#52-5685	#53-5525	#54-5661	#55-5572	#56-5561	#57-5497	#58-5445	#59-5494	#60-5598
#61-5459	#62-5585	#63-5599	#64-5290	#65-5444	#66-5264	#67-5532	#68-5398	#69-5669	#70-5316
#71-5715	#72-5660	#73-5473	#74-5333	#75-5471	#76-5557	#77-5534	#78-5467	#79-5634	#80-5664
#81-5334	#82-5317	#83-5543	#84-5305	#85-5613	#86-5723	#87-5486	#88-5611	#89-5343	#90-5666
#91-5550	#92-5583	#93-5671	#94-5262	#95-5597	#96-5704	#97-5638	#98-5579	#99-5672	#100-5312

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#01-5294	#02-5639	#03-5710	#04-5581	#05-5343	#06-5706	#07-5465	#08-5440	#09-5444	#10-5264
#11-5280	#12-5282	#13-5530	#14-5555	#15-5514	#16-5388	#17-5293	#18-5541	#19-5408	#20-5438
#21-5507	#22-5645	#23-5307	#24-5253	#25-5492	#26-5384	#27-5717	#28-5457	#29-5460	#30-5486
#31-5640	#32-5674	#33-5522	#34-5572	#35-5616	#36-5413	#37-5329	#38-5681	#39-5685	#40-5624
#41-5506	#42-5291	#43-5410	#44-5322	#45-5631	#46-5517	#47-5302	#48-5361	#49-5473	#50-5456
#51-5663	#52-5350	#53-5421	#54-5481	#55-5535	#56-5374	#57-5587	#58-5707	#59-5341	#60-5686
#61-5715	#62-5260	#63-5705	#64-5683	#65-5351	#66-5331	#67-5488	#68-5680	#69-5660	#70-5349
#71-5310	#72-5336	#73-5579	#74-5510	#75-5652	#76-5466	#77-5483	#78-5708	#79-5347	#80-5697
#81-5332	#82-5603	#83-5703	#84-5250	#85-5547	#86-5542	#87-5502	#88-5289	#89-5288	#90-5491
#91-5558	#92-5353	#93-5591	#94-5251	#95-5630	#96-5497	#97-5309	#98-5448	#99-5693	#100-5553

Type 6 #26 [Back to Summary]									
#01-5278	#02-5341	#03-5422	#04-5374	#05-5399	#06-5579	#07-5496	#08-5639	#09-5548	#10-5314
#11-5618	#12-5601	#13-5610	#14-5366	#15-5602	#16-5358	#17-5276	#18-5709	#19-5392	#20-5534
#21-5552	#22-5447	#23-5647	#24-5425	#25-5517	#26-5688	#27-5470	#28-5578	#29-5597	#30-5408
#31-5407	#32-5281	#33-5261	#34-5520	#35-5673	#36-5717	#37-5436	#38-5584	#39-5574	#40-5693
#41-5295	#42-5589	#43-5466	#44-5700	#45-5596	#46-5679	#47-5459	#48-5472	#49-5369	#50-5523
#51-5465	#52-5321	#53-5308	#54-5410	#55-5724	#56-5555	#57-5419	#58-5721	#59-5577	#60-5433
#61-5353	#62-5641	#63-5289	#64-5384	#65-5632	#66-5583	#67-5586	#68-5335	#69-5417	#70-5613
#71-5651	#72-5415	#73-5377	#74-5423	#75-5488	#76-5686	#77-5702	#78-5667	#79-5544	#80-5557
#81-5474	#82-5719	#83-5452	#84-5317	#85-5663	#86-5329	#87-5694	#88-5568	#89-5514	#90-5357
#91-5538	#92-5435	#93-5253	#94-5385	#95-5581	#96-5372	#97-5542	#98-5324	#99-5311	#100-5260

Type 6 #27 [Back to Summary]									
#01-5342	#02-5373	#03-5304	#04-5488	#05-5603	#06-5300	#07-5667	#08-5613	#09-5648	#10-5285
#11-5578	#12-5476	#13-5421	#14-5267	#15-5686	#16-5363	#17-5436	#18-5695	#19-5448	#20-5547
#21-5614	#22-5261	#23-5542	#24-5307	#25-5317	#26-5462	#27-5415	#28-5715	#29-5563	#30-5360
#31-5391	#32-5624	#33-5601	#34-5537	#35-5470	#36-5353	#37-5668	#38-5694	#39-5445	#40-5616
#41-5393	#42-5333	#43-5653	#44-5486	#45-5510	#46-5319	#47-5268	#48-5711	#49-5432	#50-5475
#51-5670	#52-5579	#53-5607	#54-5497	#55-5374	#56-5330	#57-5554	#58-5724	#59-5422	#60-5392
#61-5610	#62-5677	#63-5296	#64-5536	#65-5623	#66-5681	#67-5595	#68-5602	#69-5520	#70-5576
#71-5416	#72-5463	#73-5498	#74-5553	#75-5401	#76-5527	#77-5331	#78-5306	#79-5517	#80-5720
#81-5439	#82-5426	#83-5531	#84-5338	#85-5410	#86-5533	#87-5262	#88-5354	#89-5412	#90-5385
#91-5524	#92-5666	#93-5521	#94-5298	#95-5253	#96-5442	#97-5282	#98-5364	#99-5589	#100-5557

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Type 6 #28 [Back to Summary]									
#01-5444	#02-5385	#03-5437	#04-5575	#05-5303	#06-5455	#07-5330	#08-5300	#09-5342	#10-5569
#11-5722	#12-5497	#13-5457	#14-5426	#15-5675	#16-5432	#17-5393	#18-5684	#19-5373	#20-5338
#21-5667	#22-5496	#23-5443	#24-5384	#25-5306	#26-5482	#27-5669	#28-5450	#29-5556	#30-5689
#31-5501	#32-5695	#33-5448	#34-5692	#35-5530	#36-5302	#37-5716	#38-5681	#39-5283	#40-5682
#41-5456	#42-5686	#43-5263	#44-5573	#45-5389	#46-5276	#47-5467	#48-5346	#49-5353	#50-5548
#51-5295	#52-5325	#53-5713	#54-5504	#55-5609	#56-5670	#57-5662	#58-5299	#59-5520	#60-5553
#61-5513	#62-5608	#63-5475	#64-5376	#65-5321	#66-5275	#67-5297	#68-5490	#69-5623	#70-5618
#71-5439	#72-5431	#73-5644	#74-5413	#75-5610	#76-5705	#77-5481	#78-5593	#79-5719	#80-5277
#81-5261	#82-5574	#83-5345	#84-5255	#85-5637	#86-5418	#87-5703	#88-5665	#89-5334	#90-5577
#91-5362	#92-5657	#93-5415	#94-5463	#95-5423	#96-5567	#97-5469	#98-5611	#99-5505	#100-5361

Type 6 #29 [Back to Summary]									
#01-5704	#02-5700	#03-5446	#04-5458	#05-5355	#06-5587	#07-5401	#08-5549	#09-5613	#10-5629
#11-5444	#12-5324	#13-5305	#14-5488	#15-5537	#16-5661	#17-5515	#18-5466	#19-5460	#20-5627
#21-5296	#22-5349	#23-5403	#24-5295	#25-5508	#26-5501	#27-5266	#28-5436	#29-5715	#30-5289
#31-5492	#32-5593	#33-5343	#34-5608	#35-5299	#36-5285	#37-5377	#38-5610	#39-5628	#40-5304
#41-5267	#42-5407	#43-5313	#44-5429	#45-5382	#46-5283	#47-5611	#48-5656	#49-5649	#50-5491
#51-5307	#52-5722	#53-5402	#54-5598	#55-5318	#56-5603	#57-5548	#58-5400	#59-5678	#60-5579
#61-5569	#62-5690	#63-5560	#64-5571	#65-5389	#66-5578	#67-5707	#68-5424	#69-5439	#70-5502
#71-5534	#72-5636	#73-5564	#74-5409	#75-5612	#76-5621	#77-5288	#78-5701	#79-5645	#80-5471
#81-5618	#82-5339	#83-5513	#84-5474	#85-5713	#86-5489	#87-5437	#88-5468	#89-5541	#90-5416
#91-5462	#92-5699	#93-5659	#94-5291	#95-5453	#96-5302	#97-5566	#98-5459	#99-5282	#100-5524

Type 6 #30 [Back to Summary]									
#01-5303	#02-5434	#03-5465	#04-5396	#05-5678	#06-5394	#07-5407	#08-5716	#09-5712	#10-5420
#11-5563	#12-5570	#13-5483	#14-5453	#15-5687	#16-5481	#17-5423	#18-5332	#19-5585	#20-5621
#21-5384	#22-5488	#23-5605	#24-5267	#25-5284	#26-5558	#27-5699	#28-5522	#29-5673	#30-5555
#31-5298	#32-5551	#33-5661	#34-5364	#35-5417	#36-5432	#37-5600	#38-5366	#39-5523	#40-5568
#41-5334	#42-5449	#43-5484	#44-5371	#45-5584	#46-5623	#47-5469	#48-5452	#49-5326	#50-5702
#51-5606	#52-5486	#53-5604	#54-5387	#55-5380	#56-5541	#57-5553	#58-5443	#59-5353	#60-5362
#61-5418	#62-5614	#63-5287	#64-5403	#65-5363	#66-5258	#67-5636	#68-5358	#69-5281	#70-5509
#71-5611	#72-5302	#73-5538	#74-5264	#75-5536	#76-5666	#77-5252	#78-5485	#79-5411	#80-5389
#81-5337	#82-5501	#83-5444	#84-5700	#85-5680	#86-5544	#87-5675	#88-5524	#89-5708	#90-5607
#91-5608	#92-5401	#93-5259	#94-5402	#95-5395	#96-5456	#97-5409	#98-5321	#99-5254	#100-5579

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Type 5 #1 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	315408	86	1659	1380	1181295	1500000
2	3	19	943683	80	1235	1821	553021	1500000
3	3	19	1491740	77	1338	1655	5036	1500000
4	2	19	579811	61	1158	0	918909	1500000
5	3	19	1180350	89	1146	1441	316796	1500000
6	2	19	1192599	91	1291	0	305928	1500000
7	1	19	684071	73	0	0	815856	1500000
8	2	19	1418506	52	1517	0	79873	1500000

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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	1	8	680077	77	0	0	176988	857142
2	2	8	187653	88	1655	0	667658	857142
3	2	8	418372	95	1234	0	437346	857142
4	3	8	305782	86	1368	1721	548013	857142
5	2	8	395990	73	976	0	460030	857142
6	3	8	595306	77	1374	1385	258846	857142
7	2	8	201563	63	1654	0	653799	857142
8	1	8	27818	72	0	0	829252	857142
9	1	8	660240	53	0	0	196849	857142
10	3	8	711412	68	1322	1410	142794	857142
11	1	8	504440	53	0	0	352649	857142
12	1	8	593864	91	0	0	263187	857142
13	1	8	831707	82	0	0	25353	857142
14	1	8	287459	88	0	0	569595	857142

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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	2	6	491538	89	1614	0	429746	923076
2	2	6	230023	89	1360	0	691515	923076
3	2	6	134760	57	1735	0	786467	923076
4	3	6	628843	81	1542	1723	290725	923076
5	3	6	299319	96	1221	1015	621233	923076
6	3	6	514534	65	1394	1791	405162	923076
7	3	6	493796	84	1652	1046	426330	923076
8	2	6	520346	100	1466	0	401064	923076
9	3	6	159464	77	1768	996	760617	923076
10	3	6	574160	68	1464	1697	345551	923076
11	3	6	884940	90	1333	1077	35456	923076
12	3	6	182801	84	1539	1512	736972	923076
13	1	6	450006	76	0	0	472994	923076

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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	1	15	175639	91	0	0	455848	631578
2	2	15	302787	57	1830	0	326847	631578
3	3	15	17409	56	1037	1507	611457	631578
4	1	15	597535	52	0	0	33991	631578
5	3	15	557252	55	971	1686	71504	631578
6	3	15	342726	59	966	1666	286043	631578
7	1	15	158945	59	0	0	472574	631578
8	3	15	380208	80	1452	1562	248116	631578
9	2	15	368319	85	1549	0	261540	631578
10	3	15	490992	53	1002	1018	138407	631578
11	1	15	395585	87	0	0	235906	631578
12	3	15	525857	72	1492	1893	102120	631578
13	3	15	366815	88	935	1821	261743	631578
14	1	15	443344	65	0	0	188169	631578
15	1	15	364960	65	0	0	266553	631578
16	3	15	77393	91	1210	985	551717	631578
17	2	15	627869	99	1666	0	1845	631578
18	2	15	99113	89	1838	0	530449	631578
19	3	15	584452	99	1669	1577	43583	631578

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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	2	11	383780	84	1664	0	1114388	1500000
2	2	11	901605	68	1743	0	596516	1500000
3	1	11	489878	95	0	0	1010027	1500000
4	1	11	694260	74	0	0	805666	1500000
5	3	11	1220436	55	971	1409	277019	1500000
6	3	11	938165	69	1679	1180	558769	1500000
7	2	11	744360	96	1680	0	753768	1500000
8	2	11	698560	99	1019	0	800223	1500000

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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	1	18	660205	59	0	0	430645	1090909
2	3	18	908301	97	1767	1383	179167	1090909
3	1	18	653682	90	0	0	437137	1090909
4	2	18	949245	60	1001	0	140543	1090909
5	1	18	201107	81	0	0	889721	1090909
6	1	18	228812	63	0	0	862034	1090909
7	3	18	462017	73	1394	1271	626008	1090909
8	3	18	1044179	61	1561	1148	43838	1090909
9	2	18	861971	78	1692	0	227090	1090909
10	1	18	192448	55	0	0	898406	1090909
11	3	18	388353	71	1242	1176	699925	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	5	546323	50	1294	1575	200658	750000
2	1	5	276141	70	0	0	473789	750000
3	3	5	440844	68	1304	1675	305973	750000
4	1	5	409065	55	0	0	340880	750000
5	3	5	99417	77	1084	1066	648202	750000
6	1	5	646820	96	0	0	103084	750000
7	1	5	116191	54	0	0	633755	750000
8	2	5	250633	92	1774	0	497409	750000
9	3	5	80150	78	1738	1345	666533	750000
10	3	5	428735	98	1073	1726	318172	750000
11	1	5	693947	91	0	0	55962	750000
12	2	5	368129	81	1120	0	380589	750000
13	3	5	645342	54	1037	1160	102299	750000
14	1	5	677635	93	0	0	72272	750000
15	2	5	735328	61	1654	0	12896	750000
16	1	5	40653	87	0	0	709260	750000

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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	1	5	210520	61	0	0	712495	923076
2	1	5	236648	98	0	0	686330	923076
3	1	5	513484	100	0	0	409492	923076
4	2	5	126331	93	1385	0	795174	923076
5	3	5	711374	60	1405	1043	209074	923076
6	1	5	409556	62	0	0	513458	923076
7	1	5	566601	92	0	0	356383	923076
8	2	5	432567	70	1247	0	489122	923076
9	2	5	540385	56	1215	0	381364	923076
10	1	5	621482	81	0	0	301513	923076
11	1	5	645934	78	0	0	277064	923076
12	2	5	746257	55	1706	0	175003	923076
13	3	5	862705	53	1425	1934	56853	923076

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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	1	13	328564	71	0	0	528507	857142
2	2	13	466510	58	1468	0	389048	857142
3	1	13	803828	50	0	0	53264	857142
4	2	13	508007	71	1668	0	347325	857142
5	1	13	348006	90	0	0	509046	857142
6	1	13	752934	78	0	0	104130	857142
7	2	13	737480	95	918	0	118554	857142
8	1	13	355865	94	0	0	501183	857142
9	2	13	742228	53	1029	0	113779	857142
10	3	13	70954	70	1297	1028	783653	857142
11	3	13	754843	57	1537	1661	98930	857142
12	3	13	271	57	1708	1047	853945	857142
13	3	13	454073	86	1870	1194	399747	857142
14	1	13	142352	95	0	0	714695	857142

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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	6	89246	70	1442	1278	998733	1090909
2	1	6	500096	62	0	0	590751	1090909
3	2	6	710640	52	1350	0	378815	1090909
4	1	6	782988	99	0	0	307822	1090909
5	3	6	401958	83	985	1795	685922	1090909
6	1	6	679297	88	0	0	411524	1090909
7	1	6	716325	60	0	0	374524	1090909
8	3	6	460449	84	1547	1288	627373	1090909
9	1	6	160450	93	0	0	930366	1090909
10	2	6	603082	62	1073	0	486630	1090909
11	2	6	369388	62	1462	0	719935	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	2	10	142104	66	1144	0	856620	1000000
2	1	10	628718	66	0	0	371216	1000000
3	3	10	729085	62	1337	1464	267928	1000000
4	2	10	651675	83	1855	0	346304	1000000
5	3	10	710269	56	1471	1573	286519	1000000
6	1	10	386823	60	0	0	613117	1000000
7	3	10	353280	85	1198	1232	644035	1000000
8	3	10	849730	71	1300	1666	147091	1000000
9	3	10	607750	64	1684	1194	389180	1000000
10	3	10	683813	58	1637	1528	312848	1000000
11	2	10	579563	73	1741	0	418550	1000000
12	2	10	241525	95	1420	0	756865	1000000

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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	2	6	565068	91	1118	0	933632	1500000
2	2	6	1373358	62	1505	0	125013	1500000
3	1	6	344448	62	0	0	1155490	1500000
4	3	6	1222467	73	1305	1256	274753	1500000
5	1	6	1266348	55	0	0	233597	1500000
6	3	6	716687	70	1770	1731	779602	1500000
7	2	6	1111601	67	1136	0	387129	1500000
8	3	6	486766	57	1388	1481	1010194	1500000

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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	1	20	203689	89	0	0	796222	1000000
2	3	20	747570	79	1897	1262	249034	1000000
3	1	20	451257	71	0	0	548672	1000000
4	3	20	404015	63	1920	1529	592347	1000000
5	2	20	608095	54	1691	0	390106	1000000
6	3	20	930560	74	1239	1076	66903	1000000
7	3	20	487193	75	1010	1156	510416	1000000
8	2	20	824313	76	1064	0	174471	1000000
9	1	20	217376	93	0	0	782531	1000000
10	1	20	869686	64	0	0	130250	1000000
11	1	20	919613	73	0	0	80314	1000000
12	3	20	9219	97	1514	1498	987478	1000000

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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	11	1242390	83	1735	1311	87648	1333333
2	1	11	1044702	68	0	0	288563	1333333
3	3	11	1264004	74	1190	1676	66241	1333333
4	2	11	263044	80	1570	0	1068559	1333333
5	3	11	760254	72	1398	1773	569692	1333333
6	1	11	1170162	57	0	0	163114	1333333
7	1	11	518975	75	0	0	814283	1333333
8	1	11	1009912	98	0	0	323323	1333333
9	1	11	721843	51	0	0	611439	1333333

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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	2	17	1325539	100	1555	0	6039	1333333
2	3	17	1195861	50	1152	1309	134861	1333333
3	3	17	482206	61	1286	1489	848169	1333333
4	1	17	1207822	60	0	0	125451	1333333
5	2	17	780146	99	1777	0	551212	1333333
6	1	17	144659	70	0	0	1188604	1333333
7	2	17	978595	63	1294	0	353318	1333333
8	2	17	230426	52	984	0	1101819	1333333
9	3	17	615791	93	1050	1359	714854	1333333

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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	7	424172	85	1836	1764	171973	600000
2	3	7	466120	59	964	948	131791	600000
3	2	7	56414	99	1082	0	542306	600000
4	3	7	518267	81	1781	1278	78431	600000
5	2	7	30895	72	967	0	567994	600000
6	1	7	205339	89	0	0	394572	600000
7	2	7	375564	82	1633	0	222639	600000
8	1	7	331725	89	0	0	268186	600000
9	1	7	21619	100	0	0	578281	600000
10	1	7	94334	81	0	0	505585	600000
11	3	7	49515	89	1738	1731	546749	600000
12	2	7	427214	92	1383	0	171219	600000
13	3	7	396864	84	1885	1115	199884	600000
14	2	7	331121	89	1798	0	266903	600000
15	3	7	214847	98	991	1587	382281	600000
16	2	7	504959	73	1435	0	93460	600000
17	3	7	353826	68	1342	1448	243180	600000
18	2	7	426157	83	1843	0	171834	600000
19	1	7	25311	95	0	0	574594	600000
20	1	7	462028	63	0	0	137909	600000

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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	2	15	294286	63	1797	0	335369	631578
2	3	15	145836	87	1046	1324	483111	631578
3	1	15	495613	60	0	0	135905	631578
4	3	15	131885	99	1050	1676	496670	631578
5	1	15	122452	100	0	0	509026	631578
6	3	15	99975	58	1585	1271	528573	631578
7	1	15	299557	77	0	0	331944	631578
8	2	15	473383	62	1881	0	156190	631578
9	3	15	343324	58	1420	1636	285024	631578
10	3	15	293020	53	1221	1009	336169	631578
11	1	15	126628	100	0	0	504850	631578
12	1	15	371265	75	0	0	260238	631578
13	2	15	158879	76	1729	0	470818	631578
14	1	15	223415	82	0	0	408081	631578
15	1	15	534745	76	0	0	96757	631578
16	2	15	326736	96	1550	0	303100	631578
17	3	15	231685	83	1028	1044	397572	631578
18	1	15	342758	85	0	0	288735	631578
19	3	15	222846	63	1682	1413	405448	631578

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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	2	16	672722	70	1156	0	525982	1200000
2	3	16	282644	65	1863	1684	913614	1200000
3	2	16	665197	92	1507	0	533112	1200000
4	3	16	463337	78	1492	1401	733536	1200000
5	2	16	101704	77	1178	0	1096964	1200000
6	2	16	420607	54	1728	0	777557	1200000
7	2	16	1110368	62	1584	0	87924	1200000
8	1	16	857152	69	0	0	342779	1200000
9	2	16	89223	60	969	0	1109688	1200000
10	1	16	862410	73	0	0	337517	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	1	7	545896	73	0	0	254031	800000
2	3	7	664618	50	1617	1256	132359	800000
3	3	7	100964	82	1885	1804	695101	800000
4	2	7	368771	76	1553	0	429524	800000
5	1	7	60654	64	0	0	739282	800000
6	1	7	387592	89	0	0	412319	800000
7	1	7	288961	81	0	0	510958	800000
8	1	7	565778	80	0	0	234142	800000
9	2	7	499478	80	1667	0	298695	800000
10	1	7	620035	95	0	0	179870	800000
11	1	7	757994	83	0	0	41923	800000
12	2	7	106732	97	993	0	692081	800000
13	3	7	198369	58	1549	1715	598193	800000
14	3	7	212744	59	1148	1528	584403	800000
15	3	7	732661	68	1351	966	64818	800000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	6	299674	92	1302	1795	696953	1000000
2	1	6	536924	55	0	0	463021	1000000
3	3	6	609215	85	1186	996	388348	1000000
4	3	6	74583	89	1740	1291	922119	1000000
5	2	6	507502	99	1283	0	491017	1000000
6	1	6	528021	64	0	0	471915	1000000
7	2	6	297067	50	1158	0	701675	1000000
8	3	6	134320	89	1217	1578	862618	1000000
9	1	6	519374	82	0	0	480544	1000000
10	3	6	639504	100	1655	1166	357375	1000000
11	1	6	807216	54	0	0	192730	1000000
12	2	6	791196	58	1447	0	207241	1000000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	3	19	352642	60	1243	1609	244326	600000
2	1	19	571032	89	0	0	28879	600000
3	3	19	476205	82	1163	1686	120700	600000
4	2	19	214735	58	1454	0	383695	600000
5	2	19	556277	95	1250	0	42283	600000
6	1	19	421914	70	0	0	178016	600000
7	1	19	443727	77	0	0	156196	600000
8	1	19	39671	54	0	0	560275	600000
9	3	19	187949	64	972	946	409941	600000
10	3	19	355374	72	1628	968	241814	600000
11	2	19	340137	77	1203	0	258506	600000
12	1	19	574748	66	0	0	25186	600000
13	3	19	528771	71	1809	970	68237	600000
14	1	19	562284	56	0	0	37660	600000
15	3	19	346116	58	1259	1165	251286	600000
16	1	19	588144	76	0	0	11780	600000
17	3	19	79740	50	1311	1259	517540	600000
18	2	19	8022	77	1094	0	590730	600000
19	3	19	161791	76	1034	1794	435153	600000
20	1	19	425327	99	0	0	174574	600000

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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	2	16	43192	88	1346	0	955286	1000000
2	1	16	245888	89	0	0	754023	1000000
3	3	16	935244	88	970	1650	61872	1000000
4	1	16	359263	79	0	0	640658	1000000
5	2	16	896378	95	1829	0	101603	1000000
6	2	16	307899	71	1282	0	690677	1000000
7	1	16	271348	78	0	0	728574	1000000
8	2	16	873780	75	1917	0	124153	1000000
9	1	16	532714	65	0	0	467221	1000000
10	3	16	371566	62	1310	987	625951	1000000
11	3	16	52255	99	961	970	945517	1000000
12	2	16	785799	62	1409	0	212668	1000000

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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	1	10	60510	71	0	0	689419	750000
2	1	10	357905	81	0	0	392014	750000
3	1	10	520780	61	0	0	229159	750000
4	3	10	510204	52	1309	1273	237058	750000
5	3	10	252691	64	1771	1357	493989	750000
6	2	10	117917	75	1144	0	630789	750000
7	1	10	66430	94	0	0	683476	750000
8	2	10	632632	64	1076	0	116164	750000
9	1	10	429148	71	0	0	320781	750000
10	1	10	669373	86	0	0	80541	750000
11	1	10	46761	50	0	0	703189	750000
12	3	10	135144	57	1455	1199	612031	750000
13	1	10	543575	52	0	0	206373	750000
14	2	10	261184	83	1915	0	486735	750000
15	3	10	165070	80	1687	1467	581536	750000
16	2	10	596004	83	1690	0	152140	750000

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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	16	40419	84	1167	976	663068	705882
2	1	16	653993	66	0	0	51823	705882
3	2	16	60916	60	1283	0	643563	705882
4	2	16	177743	65	1785	0	526224	705882
5	1	16	202396	68	0	0	503418	705882
6	3	16	348350	62	1780	1385	354181	705882
7	1	16	337281	87	0	0	368514	705882
8	1	16	333998	69	0	0	371815	705882
9	2	16	443827	80	1603	0	260292	705882
10	3	16	94637	51	1608	1152	608332	705882
11	1	16	651398	68	0	0	54416	705882
12	2	16	280783	79	1728	0	423213	705882
13	2	16	611436	91	1163	0	93101	705882
14	1	16	529428	90	0	0	176364	705882
15	2	16	580713	52	1474	0	123591	705882
16	2	16	512908	63	1388	0	191460	705882
17	1	16	415772	63	0	0	290047	705882

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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	14	841627	65	1479	1752	78023	923076
2	3	14	608070	97	1321	1014	312380	923076
3	1	14	375925	99	0	0	547052	923076
4	1	14	26430	59	0	0	896587	923076
5	1	14	496549	71	0	0	426456	923076
6	1	14	109046	84	0	0	813946	923076
7	2	14	205960	90	1526	0	715410	923076
8	1	14	82769	77	0	0	840230	923076
9	1	14	665859	51	0	0	257166	923076
10	1	14	658518	57	0	0	264501	923076
11	3	14	867620	55	1582	1266	52443	923076
12	1	14	242973	68	0	0	680035	923076
13	1	14	336202	85	0	0	586789	923076

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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	2	9	367914	90	1680	0	963559	1333333
2	2	9	340696	72	1351	0	991142	1333333
3	1	9	744093	91	0	0	589149	1333333
4	1	9	673960	51	0	0	659322	1333333
5	3	9	406761	72	1387	1410	923559	1333333
6	3	9	351842	53	1610	1716	978006	1333333
7	3	9	1238098	75	1796	1361	91853	1333333
8	3	9	1310482	68	1150	1240	20257	1333333
9	2	9	1187663	69	1062	0	144470	1333333

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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	1	12	127007	62	0	0	539597	666666
2	3	12	118	97	1843	1212	663202	666666
3	3	12	105439	60	1714	1291	558042	666666
4	2	12	81175	91	1211	0	584098	666666
5	2	12	403171	60	1615	0	261760	666666
6	1	12	67429	79	0	0	599158	666666
7	1	12	311624	86	0	0	354956	666666
8	2	12	481015	77	1596	0	183901	666666
9	3	12	304159	64	1558	1753	359004	666666
10	2	12	315656	100	1534	0	349276	666666
11	3	12	581666	59	1531	1614	81678	666666
12	1	12	109675	54	0	0	556937	666666
13	3	12	125770	50	1157	1648	537941	666666
14	1	12	547540	89	0	0	119037	666666
15	3	12	415165	86	1877	932	248434	666666
16	3	12	392506	69	973	1552	271428	666666
17	3	12	395974	67	1055	1447	267989	666666
18	3	12	371254	77	1095	1079	293007	666666

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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	1	8	143302	69	0	0	1056629	1200000
2	1	8	204380	81	0	0	995539	1200000
3	3	8	684255	79	1001	1169	513338	1200000
4	1	8	768247	56	0	0	431697	1200000
5	2	8	915160	77	988	0	283698	1200000
6	1	8	499716	79	0	0	700205	1200000
7	3	8	647398	92	1631	1472	549223	1200000
8	3	8	217641	87	1252	1184	979662	1200000
9	2	8	924492	70	1062	0	274306	1200000
10	3	8	491174	52	973	1695	706002	1200000

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Burst Segment	Number of Pulses	Chirp Width MHz	t1 usec	Pulse Width (t2) usec	t3 usec	t4 usec	t5 usec	Total Segment Length usec
1	2	12	131911	84	1857	0	497642	631578
2	2	12	127878	66	1528	0	502040	631578
3	1	12	541335	67	0	0	90176	631578
4	3	12	491856	77	1751	1727	136013	631578
5	2	12	499717	73	1070	0	130645	631578
6	3	12	246032	100	1433	1309	382504	631578
7	1	12	119985	71	0	0	511522	631578
8	3	12	11830	76	1458	1549	616513	631578
9	3	12	404566	79	1071	1002	224702	631578
10	3	12	592581	57	1769	1140	35917	631578
11	2	12	549071	74	1557	0	80802	631578
12	1	12	45961	64	0	0	585553	631578
13	1	12	16344	59	0	0	615175	631578
14	3	12	360753	51	1770	962	267940	631578
15	1	12	406605	59	0	0	224914	631578
16	3	12	49148	92	1619	1198	579337	631578
17	1	12	122555	51	0	0	508972	631578
18	1	12	73271	90	0	0	558217	631578
19	1	12	162629	83	0	0	468866	631578

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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	10	97308	86	1322	1038	500074	600000
2	2	10	150646	62	1428	0	447802	600000
3	3	10	476871	88	1756	1115	119994	600000
4	3	10	586160	72	1477	1897	10250	600000
5	2	10	27073	81	1043	0	571722	600000
6	2	10	21490	79	1777	0	576575	600000
7	1	10	279780	91	0	0	320129	600000
8	2	10	497391	94	1577	0	100844	600000
9	3	10	556184	77	1213	1441	40931	600000
10	1	10	465066	96	0	0	134838	600000
11	1	10	586557	63	0	0	13380	600000
12	3	10	342980	90	1290	948	254512	600000
13	3	10	347054	88	1308	1780	249594	600000
14	1	10	225085	96	0	0	374819	600000
15	1	10	430164	95	0	0	169741	600000
16	1	10	196396	72	0	0	403532	600000
17	1	10	383228	59	0	0	216713	600000
18	1	10	458998	79	0	0	140923	600000
19	3	10	291256	92	1571	1541	305356	600000
20	2	10	243724	54	974	0	355194	600000

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#01-5494	#02-5694	#03-5686	#04-5579	#05-5409	#06-5594	#07-5267	#08-5427	#09-5268	#10-5645
#11-5469	#12-5693	#13-5714	#14-5350	#15-5279	#16-5311	#17-5282	#18-5372	#19-5641	#20-5634
#21-5519	#22-5296	#23-5578	#24-5550	#25-5314	#26-5521	#27-5502	#28-5359	#29-5688	#30-5538
#31-5711	#32-5413	#33-5342	#34-5270	#35-5280	#36-5692	#37-5576	#38-5437	#39-5428	#40-5281
#41-5353	#42-5671	#43-5709	#44-5685	#45-5523	#46-5417	#47-5459	#48-5548	#49-5310	#50-5661
#51-5505	#52-5321	#53-5298	#54-5489	#55-5322	#56-5451	#57-5367	#58-5389	#59-5522	#60-5613
#61-5345	#62-5632	#63-5465	#64-5456	#65-5657	#66-5307	#67-5602	#68-5696	#69-5326	#70-5312
#71-5460	#72-5569	#73-5666	#74-5612	#75-5537	#76-5570	#77-5309	#78-5616	#79-5276	#80-5619
#81-5318	#82-5677	#83-5300	#84-5272	#85-5285	#86-5642	#87-5377	#88-5574	#89-5675	#90-5553
#91-5581	#92-5443	#93-5638	#94-5534	#95-5659	#96-5440	#97-5461	#98-5504	#99-5283	#100-5468

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#01-5538	#02-5488	#03-5475	#04-5250	#05-5458	#06-5662	#07-5373	#08-5405	#09-5679	#10-5470
#11-5389	#12-5472	#13-5355	#14-5625	#15-5553	#16-5386	#17-5587	#18-5439	#19-5421	#20-5265
#21-5664	#22-5276	#23-5268	#24-5497	#25-5453	#26-5264	#27-5654	#28-5380	#29-5680	#30-5345
#31-5361	#32-5531	#33-5589	#34-5540	#35-5330	#36-5554	#37-5454	#38-5299	#39-5543	#40-5346
#41-5523	#42-5691	#43-5624	#44-5457	#45-5415	#46-5359	#47-5334	#48-5267	#49-5712	#50-5528
#51-5583	#52-5272	#53-5335	#54-5266	#55-5534	#56-5516	#57-5477	#58-5709	#59-5526	#60-5445
#61-5257	#62-5718	#63-5455	#64-5590	#65-5362	#66-5595	#67-5615	#68-5552	#69-5548	#70-5252
#71-5661	#72-5542	#73-5631	#74-5325	#75-5471	#76-5701	#77-5379	#78-5539	#79-5327	#80-5342
#81-5655	#82-5640	#83-5397	#84-5406	#85-5494	#86-5341	#87-5443	#88-5577	#89-5258	#90-5551
#91-5326	#92-5474	#93-5505	#94-5347	#95-5338	#96-5533	#97-5490	#98-5293	#99-5351	#100-5565

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#01-5474	#02-5514	#03-5447	#04-5709	#05-5590	#06-5292	#07-5367	#08-5259	#09-5521	#10-5555
#11-5385	#12-5660	#13-5630	#14-5429	#15-5516	#16-5344	#17-5574	#18-5300	#19-5339	#20-5267
#21-5396	#22-5289	#23-5541	#24-5724	#25-5650	#26-5440	#27-5286	#28-5534	#29-5712	#30-5668
#31-5465	#32-5337	#33-5439	#34-5501	#35-5594	#36-5389	#37-5438	#38-5410	#39-5540	#40-5451
#41-5698	#42-5432	#43-5302	#44-5426	#45-5407	#46-5392	#47-5568	#48-5320	#49-5557	#50-5717
#51-5679	#52-5436	#53-5674	#54-5328	#55-5406	#56-5437	#57-5699	#58-5455	#59-5309	#60-5399
#61-5255	#62-5565	#63-5271	#64-5583	#65-5340	#66-5298	#67-5478	#68-5378	#69-5570	#70-5377
#71-5634	#72-5416	#73-5494	#74-5620	#75-5293	#76-5685	#77-5713	#78-5361	#79-5571	#80-5510
#81-5605	#82-5689	#83-5703	#84-5719	#85-5708	#86-5278	#87-5384	#88-5359	#89-5345	#90-5411
#91-5418	#92-5711	#93-5350	#94-5388	#95-5453	#96-5391	#97-5419	#98-5460	#99-5335	#100-5360

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#11-5447	#12-5590	#13-5609	#14-5529	#15-5525	#16-5290	#17-5581	#18-5275	#19-5591	#20-5310
#21-5637	#22-5361	#23-5286	#24-5406	#25-5691	#26-5643	#27-5315	#28-5352	#29-5425	#30-5629
#31-5523	#32-5514	#33-5270	#34-5457	#35-5585	#36-5415	#37-5462	#38-5534	#39-5636	#40-5445
#41-5333	#42-5329	#43-5325	#44-5623	#45-5687	#46-5551	#47-5358	#48-5549	#49-5589	#50-5400
#51-5537	#52-5386	#53-5586	#54-5278	#55-5453	#56-5540	#57-5398	#58-5326	#59-5465	#60-5419
#61-5459	#62-5576	#63-5615	#64-5381	#65-5656	#66-5663	#67-5569	#68-5403	#69-5675	#70-5357
#71-5559	#72-5298	#73-5368	#74-5393	#75-5705	#76-5561	#77-5283	#78-5390	#79-5451	#80-5391
#81-5541	#82-5494	#83-5491	#84-5268	#85-5344	#86-5387	#87-5662	#88-5718	#89-5254	#90-5297
#91-5264	#92-5385	#93-5321	#94-5475	#95-5716	#96-5492	#97-5450	#98-5671	#99-5699	#100-5277

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#01-5706	#02-5676	#03-5600	#04-5477	#05-5568	#06-5483	#07-5267	#08-5438	#09-5303	#10-5616
#11-5500	#12-5259	#13-5603	#14-5320	#15-5607	#16-5688	#17-5336	#18-5585	#19-5288	#20-5511
#21-5250	#22-5573	#23-5398	#24-5623	#25-5344	#26-5422	#27-5704	#28-5628	#29-5402	#30-5466
#31-5365	#32-5346	#33-5419	#34-5418	#35-5409	#36-5583	#37-5614	#38-5258	#39-5430	#40-5584
#41-5370	#42-5468	#43-5665	#44-5363	#45-5523	#46-5257	#47-5507	#48-5251	#49-5582	#50-5280
#51-5400	#52-5580	#53-5634	#54-5437	#55-5281	#56-5383	#57-5531	#58-5708	#59-5388	#60-5399
#61-5509	#62-5367	#63-5291	#64-5561	#65-5504	#66-5410	#67-5567	#68-5442	#69-5642	#70-5275
#71-5327	#72-5330	#73-5415	#74-5435	#75-5394	#76-5517	#77-5644	#78-5289	#79-5351	#80-5338
#81-5650	#82-5705	#83-5298	#84-5379	#85-5321	#86-5518	#87-5451	#88-5711	#89-5396	#90-5278
#91-5310	#92-5639	#93-5602	#94-5284	#95-5335	#96-5254	#97-5445	#98-5359	#99-5594	#100-5374

Type 6 #6 [Back to Summary]									
#01-5415	#02-5319	#03-5340	#04-5561	#05-5677	#06-5321	#07-5422	#08-5454	#09-5291	#10-5495
#11-5472	#12-5497	#13-5608	#14-5301	#15-5482	#16-5530	#17-5323	#18-5639	#19-5493	#20-5717
#21-5692	#22-5583	#23-5292	#24-5611	#25-5691	#26-5416	#27-5456	#28-5379	#29-5348	#30-5389
#31-5331	#32-5537	#33-5424	#34-5708	#35-5645	#36-5573	#37-5615	#38-5459	#39-5421	#40-5722
#41-5337	#42-5711	#43-5664	#44-5622	#45-5531	#46-5536	#47-5273	#48-5545	#49-5523	#50-5526
#51-5655	#52-5514	#53-5585	#54-5594	#55-5395	#56-5557	#57-5272	#58-5450	#59-5593	#60-5506
#61-5589	#62-5288	#63-5353	#64-5629	#65-5407	#66-5662	#67-5317	#68-5624	#69-5378	#70-5633
#71-5638	#72-5584	#73-5460	#74-5488	#75-5628	#76-5703	#77-5642	#78-5390	#79-5325	#80-5400
#81-5386	#82-5636	#83-5574	#84-5541	#85-5449	#86-5533	#87-5674	#88-5548	#89-5554	#90-5330
#91-5542	#92-5402	#93-5588	#94-5641	#95-5373	#96-5290	#97-5605	#98-5282	#99-5452	#100-5595

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Type 6 #7 [Back to Summary]									
#01-5465	#02-5376	#03-5412	#04-5618	#05-5614	#06-5317	#07-5302	#08-5341	#09-5692	#10-5421
#11-5643	#12-5603	#13-5378	#14-5439	#15-5367	#16-5678	#17-5438	#18-5535	#19-5420	#20-5599
#21-5713	#22-5495	#23-5312	#24-5293	#25-5335	#26-5482	#27-5722	#28-5551	#29-5360	#30-5581
#31-5345	#32-5602	#33-5660	#34-5459	#35-5664	#36-5263	#37-5476	#38-5686	#39-5653	#40-5390
#41-5486	#42-5579	#43-5583	#44-5388	#45-5417	#46-5667	#47-5279	#48-5402	#49-5520	#50-5431
#51-5584	#52-5321	#53-5592	#54-5582	#55-5608	#56-5697	#57-5309	#58-5364	#59-5530	#60-5384
#61-5318	#62-5479	#63-5705	#64-5357	#65-5323	#66-5287	#67-5670	#68-5642	#69-5501	#70-5351
#71-5455	#72-5477	#73-5606	#74-5276	#75-5366	#76-5383	#77-5634	#78-5650	#79-5601	#80-5397
#81-5450	#82-5566	#83-5277	#84-5657	#85-5721	#86-5269	#87-5257	#88-5326	#89-5571	#90-5693
#91-5677	#92-5356	#93-5408	#94-5519	#95-5316	#96-5255	#97-5598	#98-5480	#99-5313	#100-5381

Type 6 #8 [Back to Summary]									
#01-5721	#02-5361	#03-5628	#04-5417	#05-5700	#06-5359	#07-5443	#08-5562	#09-5469	#10-5475
#11-5310	#12-5386	#13-5490	#14-5388	#15-5662	#16-5476	#17-5446	#18-5296	#19-5362	#20-5299
#21-5280	#22-5596	#23-5318	#24-5534	#25-5402	#26-5346	#27-5320	#28-5337	#29-5686	#30-5363
#31-5510	#32-5413	#33-5588	#34-5482	#35-5400	#36-5335	#37-5668	#38-5591	#39-5680	#40-5613
#41-5557	#42-5425	#43-5582	#44-5351	#45-5633	#46-5542	#47-5597	#48-5265	#49-5583	#50-5571
#51-5536	#52-5553	#53-5364	#54-5262	#55-5344	#56-5380	#57-5291	#58-5349	#59-5267	#60-5610
#61-5289	#62-5360	#63-5607	#64-5369	#65-5697	#66-5634	#67-5528	#68-5260	#69-5715	#70-5578
#71-5533	#72-5586	#73-5343	#74-5480	#75-5473	#76-5590	#77-5263	#78-5693	#79-5630	#80-5587
#81-5481	#82-5303	#83-5485	#84-5373	#85-5549	#86-5677	#87-5297	#88-5572	#89-5389	#90-5271
#91-5293	#92-5569	#93-5573	#94-5327	#95-5574	#96-5453	#97-5544	#98-5470	#99-5390	#100-5252

Type 6 #9 [Back to Summary]									
#01-5263	#02-5581	#03-5277	#04-5254	#05-5289	#06-5677	#07-5461	#08-5611	#09-5519	#10-5485
#11-5364	#12-5329	#13-5449	#14-5409	#15-5379	#16-5713	#17-5602	#18-5488	#19-5539	#20-5270
#21-5582	#22-5681	#23-5608	#24-5695	#25-5534	#26-5688	#27-5262	#28-5271	#29-5631	#30-5274
#31-5296	#32-5518	#33-5561	#34-5622	#35-5570	#36-5621	#37-5281	#38-5473	#39-5333	#40-5595
#41-5465	#42-5412	#43-5308	#44-5624	#45-5636	#46-5691	#47-5372	#48-5415	#49-5671	#50-5579
#51-5568	#52-5313	#53-5657	#54-5362	#55-5398	#56-5312	#57-5700	#58-5310	#59-5445	#60-5327
#61-5664	#62-5441	#63-5706	#64-5497	#65-5443	#66-5565	#67-5491	#68-5549	#69-5557	#70-5479
#71-5685	#72-5377	#73-5406	#74-5665	#75-5525	#76-5419	#77-5627	#78-5712	#79-5316	#80-5566
#81-5563	#82-5572	#83-5324	#84-5299	#85-5423	#86-5708	#87-5587	#88-5448	#89-5471	#90-5509
#91-5646	#92-5696	#93-5280	#94-5255	#95-5653	#96-5278	#97-5430	#98-5527	#99-5425	#100-5319

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#01-5449	#02-5544	#03-5578	#04-5439	#05-5622	#06-5445	#07-5627	#08-5715	#09-5556	#10-5702
#11-5402	#12-5711	#13-5718	#14-5598	#15-5476	#16-5337	#17-5366	#18-5655	#19-5321	#20-5459
#21-5704	#22-5288	#23-5326	#24-5296	#25-5557	#26-5713	#27-5347	#28-5399	#29-5259	#30-5502
#31-5708	#32-5346	#33-5532	#34-5724	#35-5370	#36-5273	#37-5720	#38-5603	#39-5400	#40-5694
#41-5330	#42-5592	#43-5613	#44-5493	#45-5356	#46-5656	#47-5695	#48-5404	#49-5498	#50-5561
#51-5626	#52-5496	#53-5453	#54-5684	#55-5328	#56-5408	#57-5464	#58-5525	#59-5601	#60-5629
#61-5345	#62-5472	#63-5698	#64-5301	#65-5712	#66-5306	#67-5425	#68-5716	#69-5478	#70-5451
#71-5341	#72-5487	#73-5506	#74-5344	#75-5378	#76-5359	#77-5395	#78-5554	#79-5661	#80-5619
#81-5261	#82-5663	#83-5618	#84-5418	#85-5589	#86-5458	#87-5609	#88-5563	#89-5638	#90-5678
#91-5528	#92-5435	#93-5723	#94-5489	#95-5594	#96-5573	#97-5608	#98-5551	#99-5497	#100-5291

Type 6 #11 [Back to Summary]									
#01-5482	#02-5708	#03-5646	#04-5295	#05-5470	#06-5391	#07-5719	#08-5357	#09-5562	#10-5695
#11-5260	#12-5631	#13-5586	#14-5705	#15-5616	#16-5403	#17-5571	#18-5531	#19-5430	#20-5502
#21-5416	#22-5583	#23-5325	#24-5517	#25-5645	#26-5625	#27-5486	#28-5262	#29-5464	#30-5521
#31-5463	#32-5559	#33-5303	#34-5618	#35-5388	#36-5278	#37-5272	#38-5578	#39-5674	#40-5451
#41-5465	#42-5506	#43-5254	#44-5670	#45-5676	#46-5624	#47-5576	#48-5268	#49-5598	#50-5443
#51-5256	#52-5333	#53-5377	#54-5724	#55-5602	#56-5620	#57-5632	#58-5374	#59-5371	#60-5563
#61-5627	#62-5706	#63-5610	#64-5291	#65-5474	#66-5420	#67-5573	#68-5692	#69-5555	#70-5585
#71-5378	#72-5720	#73-5579	#74-5699	#75-5288	#76-5635	#77-5568	#78-5376	#79-5556	#80-5273
#81-5301	#82-5466	#83-5384	#84-5270	#85-5510	#86-5385	#87-5428	#88-5308	#89-5266	#90-5492
#91-5368	#92-5617	#93-5449	#94-5352	#95-5546	#96-5481	#97-5615	#98-5689	#99-5437	#100-5498

Type 6 #12 [Back to Summary]									
#01-5296	#02-5610	#03-5427	#04-5260	#05-5318	#06-5261	#07-5473	#08-5403	#09-5688	#10-5694
#11-5293	#12-5502	#13-5535	#14-5356	#15-5522	#16-5407	#17-5572	#18-5597	#19-5498	#20-5343
#21-5717	#22-5526	#23-5678	#24-5321	#25-5467	#26-5488	#27-5518	#28-5479	#29-5398	#30-5531
#31-5268	#32-5616	#33-5664	#34-5317	#35-5699	#36-5413	#37-5295	#38-5377	#39-5675	#40-5507
#41-5640	#42-5280	#43-5344	#44-5298	#45-5453	#46-5599	#47-5338	#48-5353	#49-5563	#50-5400
#51-5641	#52-5272	#53-5445	#54-5354	#55-5514	#56-5500	#57-5657	#58-5363	#59-5523	#60-5559
#61-5470	#62-5716	#63-5252	#64-5415	#65-5676	#66-5406	#67-5566	#68-5468	#69-5383	#70-5361
#71-5365	#72-5447	#73-5645	#74-5718	#75-5430	#76-5686	#77-5436	#78-5632	#79-5593	#80-5596
#81-5402	#82-5420	#83-5646	#84-5250	#85-5614	#86-5721	#87-5423	#88-5568	#89-5537	#90-5455
#91-5484	#92-5661	#93-5585	#94-5371	#95-5285	#96-5650	#97-5277	#98-5656	#99-5342	#100-5301

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#01-5287	#02-5593	#03-5693	#04-5452	#05-5288	#06-5445	#07-5354	#08-5451	#09-5648	#10-5549
#11-5314	#12-5273	#13-5493	#14-5647	#15-5403	#16-5303	#17-5324	#18-5251	#19-5525	#20-5681
#21-5709	#22-5720	#23-5659	#24-5652	#25-5599	#26-5424	#27-5582	#28-5520	#29-5680	#30-5500
#31-5657	#32-5499	#33-5536	#34-5541	#35-5557	#36-5530	#37-5443	#38-5436	#39-5688	#40-5412
#41-5614	#42-5695	#43-5636	#44-5707	#45-5383	#46-5454	#47-5414	#48-5660	#49-5692	#50-5708
#51-5572	#52-5274	#53-5377	#54-5384	#55-5313	#56-5291	#57-5651	#58-5290	#59-5571	#60-5584
#61-5580	#62-5551	#63-5487	#64-5392	#65-5610	#66-5529	#67-5457	#68-5670	#69-5337	#70-5589
#71-5570	#72-5601	#73-5285	#74-5352	#75-5315	#76-5262	#77-5330	#78-5675	#79-5508	#80-5391
#81-5254	#82-5642	#83-5545	#84-5698	#85-5641	#86-5627	#87-5366	#88-5395	#89-5472	#90-5509
#91-5596	#92-5405	#93-5585	#94-5347	#95-5550	#96-5308	#97-5446	#98-5486	#99-5341	#100-5569

Type 6 #14 [Back to Summary]									
#01-5720	#02-5471	#03-5572	#04-5350	#05-5381	#06-5697	#07-5711	#08-5277	#09-5325	#10-5301
#11-5685	#12-5702	#13-5499	#14-5431	#15-5582	#16-5659	#17-5255	#18-5520	#19-5472	#20-5704
#21-5416	#22-5313	#23-5445	#24-5547	#25-5716	#26-5417	#27-5263	#28-5658	#29-5523	#30-5254
#31-5537	#32-5559	#33-5585	#34-5660	#35-5397	#36-5505	#37-5326	#38-5450	#39-5565	#40-5673
#41-5642	#42-5341	#43-5322	#44-5425	#45-5553	#46-5620	#47-5631	#48-5406	#49-5489	#50-5616
#51-5303	#52-5651	#53-5272	#54-5362	#55-5407	#56-5654	#57-5278	#58-5275	#59-5360	#60-5686
#61-5681	#62-5300	#63-5479	#64-5323	#65-5490	#66-5378	#67-5371	#68-5561	#69-5284	#70-5330
#71-5588	#72-5529	#73-5678	#74-5519	#75-5310	#76-5332	#77-5715	#78-5269	#79-5718	#80-5349
#81-5509	#82-5579	#83-5424	#84-5626	#85-5671	#86-5604	#87-5535	#88-5470	#89-5502	#90-5463
#91-5480	#92-5302	#93-5346	#94-5601	#95-5714	#96-5595	#97-5584	#98-5251	#99-5656	#100-5428

Type 6 #15 [Back to Summary]									
#01-5504	#02-5322	#03-5377	#04-5416	#05-5281	#06-5501	#07-5698	#08-5476	#09-5303	#10-5333
#11-5667	#12-5256	#13-5282	#14-5264	#15-5432	#16-5359	#17-5606	#18-5576	#19-5373	#20-5609
#21-5566	#22-5622	#23-5309	#24-5542	#25-5571	#26-5537	#27-5439	#28-5330	#29-5531	#30-5440
#31-5467	#32-5714	#33-5336	#34-5545	#35-5568	#36-5437	#37-5454	#38-5254	#39-5601	#40-5426
#41-5638	#42-5314	#43-5421	#44-5423	#45-5527	#46-5479	#47-5270	#48-5331	#49-5427	#50-5617
#51-5718	#52-5263	#53-5612	#54-5306	#55-5592	#56-5615	#57-5267	#58-5563	#59-5577	#60-5474
#61-5317	#62-5628	#63-5674	#64-5594	#65-5595	#66-5681	#67-5653	#68-5465	#69-5420	#70-5717
#71-5633	#72-5600	#73-5702	#74-5670	#75-5696	#76-5498	#77-5448	#78-5611	#79-5268	#80-5348
#81-5514	#82-5360	#83-5632	#84-5646	#85-5444	#86-5452	#87-5357	#88-5279	#89-5680	#90-5683
#91-5414	#92-5618	#93-5403	#94-5378	#95-5364	#96-5262	#97-5369	#98-5552	#99-5553	#100-5569

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#01-5550	#02-5529	#03-5630	#04-5430	#05-5708	#06-5366	#07-5285	#08-5662	#09-5331	#10-5336
#11-5409	#12-5380	#13-5544	#14-5476	#15-5679	#16-5680	#17-5716	#18-5275	#19-5396	#20-5389
#21-5571	#22-5619	#23-5509	#24-5466	#25-5546	#26-5261	#27-5441	#28-5575	#29-5558	#30-5684
#31-5383	#32-5620	#33-5304	#34-5420	#35-5518	#36-5711	#37-5453	#38-5446	#39-5658	#40-5324
#41-5415	#42-5418	#43-5669	#44-5592	#45-5521	#46-5290	#47-5319	#48-5654	#49-5424	#50-5404
#51-5270	#52-5340	#53-5407	#54-5417	#55-5250	#56-5652	#57-5268	#58-5414	#59-5610	#60-5696
#61-5648	#62-5440	#63-5354	#64-5372	#65-5675	#66-5514	#67-5323	#68-5373	#69-5682	#70-5692
#71-5481	#72-5522	#73-5341	#74-5317	#75-5699	#76-5401	#77-5672	#78-5638	#79-5665	#80-5504
#81-5660	#82-5508	#83-5398	#84-5397	#85-5656	#86-5293	#87-5465	#88-5609	#89-5425	#90-5588
#91-5694	#92-5288	#93-5561	#94-5689	#95-5395	#96-5705	#97-5311	#98-5545	#99-5633	#100-5257

Type 6 #17 [Back to Summary]									
#01-5691	#02-5671	#03-5700	#04-5455	#05-5653	#06-5475	#07-5724	#08-5336	#09-5440	#10-5571
#11-5702	#12-5348	#13-5466	#14-5354	#15-5279	#16-5391	#17-5286	#18-5677	#19-5435	#20-5628
#21-5301	#22-5433	#23-5676	#24-5339	#25-5722	#26-5436	#27-5680	#28-5376	#29-5640	#30-5716
#31-5335	#32-5379	#33-5252	#34-5656	#35-5537	#36-5715	#37-5531	#38-5661	#39-5469	#40-5431
#41-5294	#42-5373	#43-5421	#44-5568	#45-5607	#46-5588	#47-5545	#48-5456	#49-5651	#50-5257
#51-5663	#52-5358	#53-5360	#54-5260	#55-5678	#56-5506	#57-5717	#58-5603	#59-5458	#60-5471
#61-5517	#62-5592	#63-5413	#64-5447	#65-5486	#66-5569	#67-5344	#68-5528	#69-5539	#70-5287
#71-5580	#72-5338	#73-5460	#74-5251	#75-5583	#76-5646	#77-5264	#78-5356	#79-5451	#80-5382
#81-5610	#82-5480	#83-5439	#84-5633	#85-5300	#86-5701	#87-5270	#88-5714	#89-5703	#90-5282
#91-5723	#92-5639	#93-5461	#94-5721	#95-5630	#96-5417	#97-5673	#98-5690	#99-5331	#100-5290

Type 6 #18 [Back to Summary]									
#01-5494	#02-5266	#03-5640	#04-5621	#05-5398	#06-5575	#07-5623	#08-5357	#09-5397	#10-5278
#11-5495	#12-5611	#13-5409	#14-5327	#15-5582	#16-5292	#17-5407	#18-5506	#19-5400	#20-5509
#21-5556	#22-5354	#23-5551	#24-5511	#25-5288	#26-5663	#27-5608	#28-5461	#29-5336	#30-5416
#31-5697	#32-5289	#33-5269	#34-5418	#35-5614	#36-5597	#37-5563	#38-5545	#39-5488	#40-5449
#41-5331	#42-5639	#43-5571	#44-5680	#45-5514	#46-5363	#47-5489	#48-5381	#49-5391	#50-5601
#51-5265	#52-5430	#53-5549	#54-5558	#55-5458	#56-5387	#57-5442	#58-5377	#59-5588	#60-5466
#61-5696	#62-5412	#63-5272	#64-5711	#65-5307	#66-5456	#67-5595	#68-5720	#69-5441	#70-5710
#71-5455	#72-5589	#73-5262	#74-5676	#75-5426	#76-5650	#77-5513	#78-5603	#79-5722	#80-5654
#81-5419	#82-5475	#83-5316	#84-5464	#85-5390	#86-5522	#87-5469	#88-5438	#89-5682	#90-5474
#91-5399	#92-5431	#93-5688	#94-5275	#95-5484	#96-5647	#97-5617	#98-5585	#99-5625	#100-5305

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Type 6 #19 [Back to Summary]									
#01-5496	#02-5495	#03-5667	#04-5406	#05-5393	#06-5405	#07-5412	#08-5599	#09-5377	#10-5539
#11-5605	#12-5567	#13-5380	#14-5657	#15-5292	#16-5469	#17-5341	#18-5534	#19-5563	#20-5513
#21-5714	#22-5399	#23-5287	#24-5694	#25-5556	#26-5270	#27-5624	#28-5715	#29-5443	#30-5505
#31-5281	#32-5649	#33-5703	#34-5663	#35-5402	#36-5646	#37-5529	#38-5634	#39-5316	#40-5716
#41-5353	#42-5590	#43-5308	#44-5389	#45-5589	#46-5560	#47-5298	#48-5278	#49-5705	#50-5260
#51-5548	#52-5329	#53-5272	#54-5357	#55-5320	#56-5347	#57-5458	#58-5696	#59-5576	#60-5373
#61-5508	#62-5425	#63-5408	#64-5600	#65-5503	#66-5678	#67-5587	#68-5445	#69-5500	#70-5368
#71-5661	#72-5434	#73-5465	#74-5572	#75-5409	#76-5367	#77-5338	#78-5622	#79-5350	#80-5719
#81-5695	#82-5592	#83-5257	#84-5435	#85-5679	#86-5676	#87-5625	#88-5596	#89-5593	#90-5306
#91-5442	#92-5554	#93-5309	#94-5669	#95-5456	#96-5655	#97-5438	#98-5436	#99-5612	#100-5636

Type 6 #20 [Back to Summary]									
#01-5699	#02-5580	#03-5501	#04-5585	#05-5324	#06-5368	#07-5588	#08-5424	#09-5674	#10-5671
#11-5254	#12-5558	#13-5596	#14-5581	#15-5398	#16-5641	#17-5411	#18-5696	#19-5642	#20-5545
#21-5301	#22-5715	#23-5567	#24-5442	#25-5651	#26-5350	#27-5370	#28-5515	#29-5363	#30-5469
#31-5656	#32-5626	#33-5258	#34-5436	#35-5268	#36-5365	#37-5337	#38-5397	#39-5355	#40-5559
#41-5338	#42-5453	#43-5648	#44-5647	#45-5302	#46-5605	#47-5689	#48-5451	#49-5518	#50-5534
#51-5493	#52-5466	#53-5514	#54-5310	#55-5584	#56-5710	#57-5259	#58-5307	#59-5658	#60-5698
#61-5721	#62-5317	#63-5308	#64-5452	#65-5266	#66-5352	#67-5549	#68-5407	#69-5563	#70-5283
#71-5550	#72-5265	#73-5591	#74-5333	#75-5461	#76-5574	#77-5319	#78-5649	#79-5392	#80-5295
#81-5391	#82-5644	#83-5723	#84-5547	#85-5700	#86-5439	#87-5362	#88-5669	#89-5575	#90-5284
#91-5360	#92-5281	#93-5468	#94-5388	#95-5564	#96-5273	#97-5399	#98-5448	#99-5630	#100-5678

Type 6 #21 [Back to Summary]									
#01-5304	#02-5532	#03-5611	#04-5487	#05-5710	#06-5480	#07-5602	#08-5434	#09-5576	#10-5260
#11-5643	#12-5333	#13-5641	#14-5610	#15-5556	#16-5324	#17-5319	#18-5479	#19-5475	#20-5550
#21-5715	#22-5605	#23-5551	#24-5528	#25-5651	#26-5517	#27-5521	#28-5449	#29-5486	#30-5431
#31-5426	#32-5595	#33-5267	#34-5433	#35-5717	#36-5581	#37-5285	#38-5482	#39-5566	#40-5462
#41-5561	#42-5652	#43-5343	#44-5568	#45-5363	#46-5274	#47-5362	#48-5580	#49-5546	#50-5489
#51-5679	#52-5637	#53-5692	#54-5328	#55-5687	#56-5415	#57-5703	#58-5326	#59-5560	#60-5429
#61-5680	#62-5391	#63-5670	#64-5382	#65-5545	#66-5293	#67-5313	#68-5447	#69-5620	#70-5701
#71-5287	#72-5554	#73-5638	#74-5258	#75-5714	#76-5314	#77-5505	#78-5708	#79-5408	#80-5623
#81-5401	#82-5668	#83-5627	#84-5724	#85-5476	#86-5512	#87-5625	#88-5659	#89-5465	#90-5534
#91-5597	#92-5678	#93-5644	#94-5371	#95-5501	#96-5403	#97-5699	#98-5676	#99-5264	#100-5316

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#01-5683	#02-5635	#03-5684	#04-5571	#05-5450	#06-5367	#07-5722	#08-5680	#09-5339	#10-5618
#11-5633	#12-5717	#13-5634	#14-5660	#15-5279	#16-5259	#17-5489	#18-5668	#19-5620	#20-5281
#21-5391	#22-5378	#23-5701	#24-5324	#25-5348	#26-5331	#27-5630	#28-5507	#29-5470	#30-5546
#31-5337	#32-5551	#33-5693	#34-5346	#35-5662	#36-5493	#37-5710	#38-5305	#39-5518	#40-5368
#41-5521	#42-5666	#43-5565	#44-5574	#45-5625	#46-5602	#47-5292	#48-5707	#49-5349	#50-5495
#51-5642	#52-5280	#53-5302	#54-5708	#55-5646	#56-5544	#57-5652	#58-5598	#59-5466	#60-5371
#61-5449	#62-5455	#63-5453	#64-5509	#65-5527	#66-5327	#67-5271	#68-5535	#69-5721	#70-5501
#71-5272	#72-5429	#73-5399	#74-5503	#75-5475	#76-5439	#77-5530	#78-5372	#79-5414	#80-5458
#81-5287	#82-5648	#83-5408	#84-5692	#85-5619	#86-5306	#87-5497	#88-5706	#89-5415	#90-5360
#91-5559	#92-5351	#93-5554	#94-5398	#95-5628	#96-5310	#97-5457	#98-5303	#99-5294	#100-5550

Type 6 #23 [Back to Summary]									
#01-5587	#02-5476	#03-5711	#04-5563	#05-5475	#06-5459	#07-5607	#08-5518	#09-5477	#10-5452
#11-5270	#12-5537	#13-5438	#14-5260	#15-5332	#16-5530	#17-5300	#18-5491	#19-5615	#20-5478
#21-5555	#22-5288	#23-5372	#24-5613	#25-5673	#26-5649	#27-5603	#28-5723	#29-5598	#30-5415
#31-5709	#32-5472	#33-5325	#34-5589	#35-5601	#36-5533	#37-5666	#38-5570	#39-5461	#40-5409
#41-5418	#42-5706	#43-5480	#44-5686	#45-5339	#46-5275	#47-5635	#48-5544	#49-5316	#50-5354
#51-5261	#52-5695	#53-5413	#54-5541	#55-5722	#56-5547	#57-5351	#58-5349	#59-5620	#60-5553
#61-5581	#62-5608	#63-5645	#64-5306	#65-5464	#66-5512	#67-5451	#68-5574	#69-5380	#70-5516
#71-5586	#72-5443	#73-5271	#74-5436	#75-5301	#76-5569	#77-5526	#78-5403	#79-5511	#80-5648
#81-5259	#82-5307	#83-5658	#84-5489	#85-5399	#86-5264	#87-5310	#88-5505	#89-5594	#90-5302
#91-5427	#92-5565	#93-5681	#94-5640	#95-5557	#96-5538	#97-5313	#98-5416	#99-5457	#100-5548

Type 6 #24 [Back to Summary]									
#01-5540	#02-5308	#03-5412	#04-5521	#05-5492	#06-5535	#07-5675	#08-5698	#09-5488	#10-5400
#11-5267	#12-5665	#13-5560	#14-5697	#15-5544	#16-5524	#17-5676	#18-5398	#19-5624	#20-5453
#21-5456	#22-5674	#23-5710	#24-5330	#25-5337	#26-5273	#27-5497	#28-5358	#29-5610	#30-5482
#31-5507	#32-5355	#33-5669	#34-5692	#35-5352	#36-5677	#37-5616	#38-5381	#39-5724	#40-5594
#41-5312	#42-5333	#43-5266	#44-5437	#45-5284	#46-5489	#47-5254	#48-5706	#49-5343	#50-5282
#51-5588	#52-5632	#53-5520	#54-5258	#55-5341	#56-5586	#57-5324	#58-5331	#59-5432	#60-5468
#61-5287	#62-5566	#63-5339	#64-5253	#65-5618	#66-5635	#67-5719	#68-5589	#69-5591	#70-5587
#71-5630	#72-5539	#73-5404	#74-5279	#75-5394	#76-5376	#77-5656	#78-5516	#79-5299	#80-5571
#81-5270	#82-5514	#83-5268	#84-5578	#85-5621	#86-5599	#87-5557	#88-5661	#89-5602	#90-5485
#91-5603	#92-5534	#93-5679	#94-5499	#95-5558	#96-5466	#97-5723	#98-5264	#99-5542	#100-5377

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Type 6 #25 [Back to Summary]									
#01-5496	#02-5389	#03-5363	#04-5477	#05-5374	#06-5296	#07-5484	#08-5497	#09-5592	#10-5692
#11-5655	#12-5531	#13-5281	#14-5585	#15-5449	#16-5493	#17-5549	#18-5478	#19-5355	#20-5268
#21-5323	#22-5306	#23-5712	#24-5351	#25-5711	#26-5341	#27-5593	#28-5623	#29-5439	#30-5643
#31-5375	#32-5645	#33-5697	#34-5647	#35-5325	#36-5603	#37-5403	#38-5515	#39-5455	#40-5573
#41-5366	#42-5314	#43-5321	#44-5636	#45-5561	#46-5322	#47-5509	#48-5343	#49-5302	#50-5318
#51-5654	#52-5498	#53-5631	#54-5529	#55-5298	#56-5441	#57-5407	#58-5261	#59-5492	#60-5282
#61-5433	#62-5588	#63-5304	#64-5675	#65-5570	#66-5259	#67-5559	#68-5367	#69-5512	#70-5576
#71-5345	#72-5283	#73-5273	#74-5516	#75-5630	#76-5255	#77-5708	#78-5332	#79-5521	#80-5641
#81-5563	#82-5501	#83-5571	#84-5379	#85-5717	#86-5608	#87-5263	#88-5424	#89-5600	#90-5615
#91-5452	#92-5395	#93-5275	#94-5426	#95-5399	#96-5511	#97-5262	#98-5383	#99-5324	#100-5554

Type 6 #26 [Back to Summary]									
#01-5491	#02-5396	#03-5560	#04-5457	#05-5703	#06-5618	#07-5469	#08-5370	#09-5625	#10-5293
#11-5456	#12-5326	#13-5474	#14-5578	#15-5447	#16-5660	#17-5267	#18-5659	#19-5682	#20-5690
#21-5724	#22-5384	#23-5490	#24-5620	#25-5368	#26-5675	#27-5258	#28-5573	#29-5363	#30-5369
#31-5719	#32-5580	#33-5257	#34-5688	#35-5395	#36-5412	#37-5658	#38-5355	#39-5391	#40-5344
#41-5382	#42-5611	#43-5521	#44-5548	#45-5404	#46-5372	#47-5638	#48-5423	#49-5698	#50-5459
#51-5489	#52-5323	#53-5420	#54-5347	#55-5550	#56-5350	#57-5629	#58-5662	#59-5332	#60-5275
#61-5605	#62-5615	#63-5255	#64-5505	#65-5299	#66-5597	#67-5316	#68-5510	#69-5434	#70-5285
#71-5721	#72-5634	#73-5518	#74-5583	#75-5555	#76-5358	#77-5589	#78-5665	#79-5470	#80-5722
#81-5286	#82-5559	#83-5599	#84-5632	#85-5603	#86-5641	#87-5413	#88-5627	#89-5389	#90-5290
#91-5504	#92-5723	#93-5271	#94-5364	#95-5463	#96-5487	#97-5602	#98-5268	#99-5499	#100-5526

Type 6 #27 [Back to Summary]									
#01-5303	#02-5383	#03-5714	#04-5662	#05-5460	#06-5578	#07-5534	#08-5558	#09-5518	#10-5439
#11-5487	#12-5690	#13-5441	#14-5337	#15-5713	#16-5294	#17-5265	#18-5347	#19-5619	#20-5382
#21-5436	#22-5413	#23-5367	#24-5391	#25-5505	#26-5722	#27-5612	#28-5401	#29-5369	#30-5316
#31-5478	#32-5574	#33-5416	#34-5667	#35-5669	#36-5629	#37-5573	#38-5663	#39-5423	#40-5278
#41-5354	#42-5580	#43-5358	#44-5674	#45-5528	#46-5542	#47-5530	#48-5655	#49-5375	#50-5418
#51-5473	#52-5511	#53-5370	#54-5363	#55-5334	#56-5615	#57-5262	#58-5576	#59-5409	#60-5465
#61-5692	#62-5384	#63-5442	#64-5455	#65-5689	#66-5640	#67-5526	#68-5501	#69-5393	#70-5328
#71-5450	#72-5321	#73-5648	#74-5592	#75-5273	#76-5586	#77-5299	#78-5421	#79-5590	#80-5687
#81-5445	#82-5680	#83-5272	#84-5678	#85-5568	#86-5693	#87-5452	#88-5293	#89-5579	#90-5302
#91-5614	#92-5724	#93-5504	#94-5683	#95-5310	#96-5699	#97-5389	#98-5631	#99-5708	#100-5607

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#01-5266	#02-5280	#03-5514	#04-5293	#05-5695	#06-5396	#07-5587	#08-5508	#09-5343	#10-5482
#11-5563	#12-5572	#13-5712	#14-5447	#15-5271	#16-5261	#17-5361	#18-5486	#19-5609	#20-5724
#21-5441	#22-5478	#23-5648	#24-5340	#25-5445	#26-5449	#27-5548	#28-5688	#29-5528	#30-5304
#31-5440	#32-5394	#33-5433	#34-5700	#35-5669	#36-5411	#37-5415	#38-5707	#39-5705	#40-5423
#41-5352	#42-5662	#43-5677	#44-5345	#45-5468	#46-5294	#47-5260	#48-5309	#49-5659	#50-5303
#51-5590	#52-5628	#53-5277	#54-5709	#55-5420	#56-5516	#57-5359	#58-5425	#59-5573	#60-5500
#61-5575	#62-5621	#63-5704	#64-5290	#65-5291	#66-5417	#67-5385	#68-5259	#69-5506	#70-5585
#71-5570	#72-5377	#73-5505	#74-5434	#75-5622	#76-5503	#77-5527	#78-5554	#79-5600	#80-5400
#81-5437	#82-5491	#83-5276	#84-5476	#85-5439	#86-5541	#87-5367	#88-5455	#89-5537	#90-5405
#91-5308	#92-5717	#93-5383	#94-5464	#95-5582	#96-5460	#97-5682	#98-5642	#99-5310	#100-5301

Type 6 #29 [Back to Summary]									
#01-5633	#02-5250	#03-5530	#04-5330	#05-5456	#06-5464	#07-5377	#08-5571	#09-5338	#10-5644
#11-5714	#12-5529	#13-5550	#14-5419	#15-5310	#16-5334	#17-5598	#18-5482	#19-5577	#20-5477
#21-5298	#22-5662	#23-5453	#24-5346	#25-5528	#26-5581	#27-5715	#28-5292	#29-5582	#30-5414
#31-5542	#32-5610	#33-5494	#34-5548	#35-5491	#36-5432	#37-5685	#38-5672	#39-5267	#40-5699
#41-5405	#42-5520	#43-5361	#44-5614	#45-5415	#46-5500	#47-5412	#48-5691	#49-5393	#50-5490
#51-5586	#52-5448	#53-5312	#54-5555	#55-5251	#56-5698	#57-5518	#58-5433	#59-5524	#60-5606
#61-5470	#62-5331	#63-5716	#64-5648	#65-5349	#66-5355	#67-5282	#68-5253	#69-5653	#70-5603
#71-5373	#72-5652	#73-5461	#74-5602	#75-5316	#76-5501	#77-5547	#78-5568	#79-5654	#80-5277
#81-5407	#82-5273	#83-5623	#84-5337	#85-5559	#86-5341	#87-5541	#88-5669	#89-5546	#90-5515
#91-5641	#92-5493	#93-5391	#94-5386	#95-5472	#96-5322	#97-5533	#98-5438	#99-5509	#100-5307

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#01-5466	#02-5413	#03-5288	#04-5522	#05-5366	#06-5657	#07-5712	#08-5438	#09-5486	#10-5475
#11-5399	#12-5677	#13-5510	#14-5498	#15-5440	#16-5449	#17-5435	#18-5628	#19-5336	#20-5260
#21-5542	#22-5341	#23-5428	#24-5380	#25-5686	#26-5603	#27-5508	#28-5322	#29-5374	#30-5718
#31-5693	#32-5354	#33-5304	#34-5590	#35-5539	#36-5722	#37-5708	#38-5347	#39-5694	#40-5623
#41-5350	#42-5353	#43-5431	#44-5319	#45-5370	#46-5684	#47-5711	#48-5620	#49-5668	#50-5274
#51-5609	#52-5626	#53-5349	#54-5501	#55-5497	#56-5375	#57-5706	#58-5629	#59-5559	#60-5488
#61-5401	#62-5636	#63-5307	#64-5492	#65-5507	#66-5290	#67-5616	#68-5643	#69-5681	#70-5443
#71-5462	#72-5333	#73-5652	#74-5436	#75-5630	#76-5430	#77-5633	#78-5355	#79-5261	#80-5723
#81-5604	#82-5598	#83-5376	#84-5344	#85-5352	#86-5309	#87-5253	#88-5531	#89-5337	#90-5412
#91-5263	#92-5325	#93-5518	#94-5460	#95-5477	#96-5444	#97-5291	#98-5662	#99-5547	#100-5323

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