NORTHWEST EMC

Summit Semiconductor LLC

SherwoodXD (extended distance)

FCC 15.407:2015

802.11a Radio

Report # FOCU0216.2

NVLAP Lab Code: 200630-0

CERTIFICATE OF TEST

NORTHWEST EMC
2014-12-10

Last Date of Test: January 22, 2016
Summit Semiconductor LLC
Model: SherwoodXD (extended distance)

Radio Equipment Testing

Standards

Specification	Method
FCC 15.407:2016	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

Results

Method Clause	Test Description	Applied	Results	Comments
KDB 905462 -7.5	Test Signal Level	Yes	N/A	Signal level check
KDB 905462 -7.7	Channel Loading Channel Utilization	Yes	Pass	
KDB 905462 -7.8.1	Detection Bandwidth	Yes	Pass	
KDB 905462 -7.8.2	Channel Availability Check	Yes	Pass	
KDB 905462 -7.8.3	Move Time	Yes	Pass	
KDB 905462 -7.8.3	Closing Time	Yes	Pass	
KDB 905462 -7.8.3	Non Occupancy Period	Yes	Pass	
KDB 905462 -7.8.4	Statistical Performance	Yes	Pass	

Deviations From Test Standards

None

Approved By:

Jeremiah Darden, Operations Manager

Product compliance is the responsibility of the client; therefore, the tests and equipment modes of operation represented in this report were agreed upon by the client, prior to testing. The results of this test pertain only to the sample(s) tested. The specific description is noted in each of the individual sections of the test report supporting this certificate of test. This report reflects only those tests from the referenced standards shown in the certificate of test. It does not include inspection or verification of labels, identification, marking or user information.

REVISION HISTORY

NORTHWEST EMC
REV 2014.10.14

Revision Number	Description	Date	Page Number
00	None		

ACCREDITATIONS AND AUTHORIZATIONS

NORTHWEST EMC
REV 2015.2.19

United States

FCC - Designated by the FCC as a Telecommunications Certification Body (TCB). Certification chambers, Open Area Test Sites, and conducted measurement facilities are listed with the FCC.

A2LA - Accredited by A2LA to ISO / IEC 17065 as a product certifier. This allows Northwest EMC to certify transmitters to FCC and IC specifications.

NVLAP - Each laboratory is accredited by NVLAP to ISO 17025

Canada

IC - Recognized by Industry Canada as a Certification Body (CB). Certification chambers and Open Area Test Sites are filed with IC.

European Union

European Commission – Validated by the European Commission as a Conformity Assessment Body (CAB) under the EMC directive and as a Notified Body under the R&TTE Directive.

Australia/New Zealand

ACMA - Recognized by ACMA as a CAB for the acceptance of test data.

Korea

MSIP / RRA - Recognized by KCC's RRA as a CAB for the acceptance of test data.

Japan

VCCI - Associate Member of the VCCI. Conducted and radiated measurement facilities are registered.

Taiwan

BSMI – Recognized by BSMI as a CAB for the acceptance of test data.

NCC - Recognized by NCC as a CAB for the acceptance of test data.

Singapore

IDA – Recognized by IDA as a CAB for the acceptance of test data.

Israel

MOC – Recognized by MOC as a CAB for the acceptance of test data.

Hong Kong

OFCA – Recognized by OFCA as a CAB for the acceptance of test data.

Vietnam

MIC – Recognized by MIC as a CAB for the acceptance of test data.

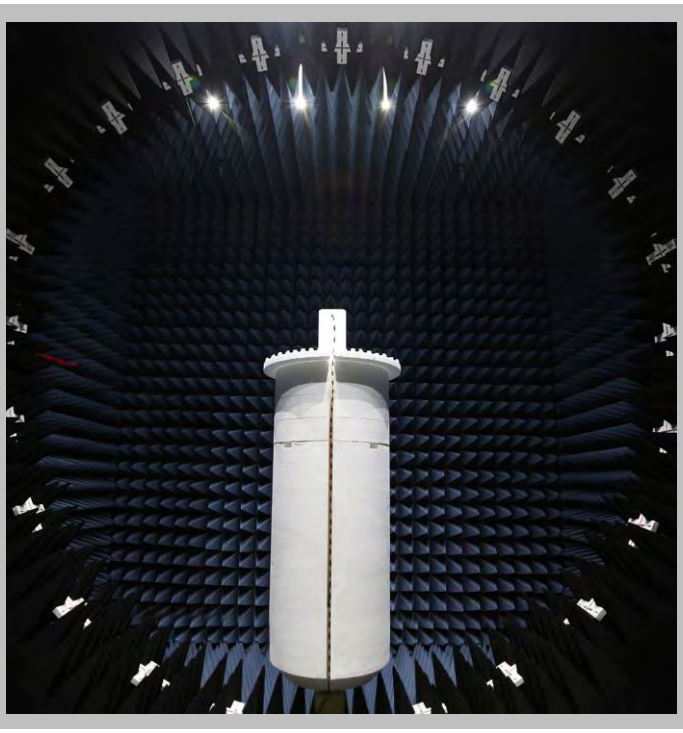
SCOPE

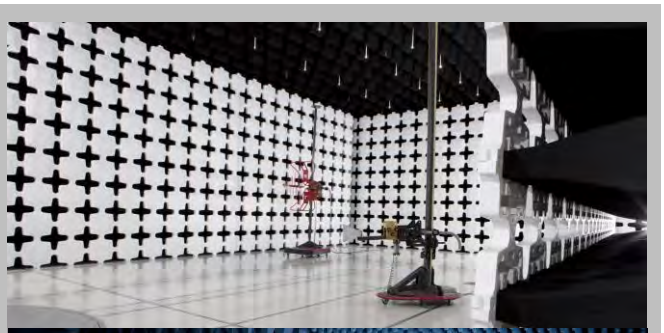
For details on the Scopes of our Accreditations, please visit:
http://www.nwemc.com/accreditations/
http://gsi.nist.gov/global/docs/cabs/designations.html

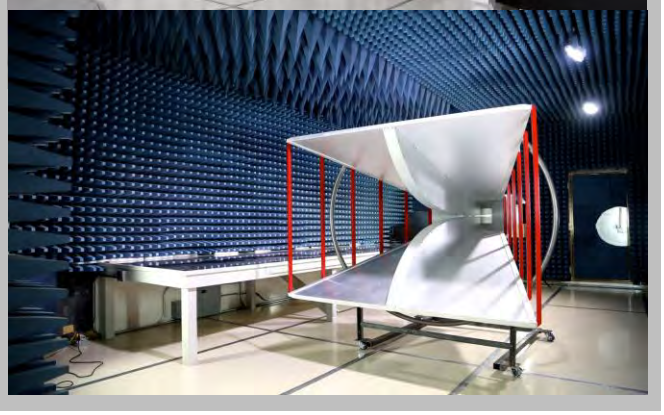
FACILITIES

NORTHWEST EMC
REV 2015.2.19

California	Minnesota	New York	Oregon	Texas	Washington
Labs OC01-13 41 Tesla Irvine, CA 92618 (949) 861-8918	Labs MN01-08, MN10 9349 W Broadway Ave. Brooklyn Park, MN 55445 (612)-638-5136	Labs NY01-04 4939 Jordan Rd. Elbridge, NY 13060 (315) 554-8214	Labs EV01-12 22975 NW Evergreen Pkwy Hillsboro, OR 97124 (503) 844-4066	Labs TX01-09 3801 E Plano Pkwy Plano, TX 75074 (469) 304-5255	Labs NC01-05 19201 120th Ave NE Bothell, WA 98011 (425)984-6600
NVLAP					
NVLAP Lab Code: 200676-0	NVLAP Lab Code: 200881-0	NVLAP Lab Code: 200761-0	NVLAP Lab Code: 200630-0	NVLAP Lab Code:201049-0	NVLAP Lab Code: 200629-0
Industry Canada					
2834B-1, 2834B-3	2834E-1	N/A	2834D-1, 2834D-*2*	2834G-1	2834F-1
BSMI					
SL2-IN-E-1154R	SL2-IN-E-1152R	N/A	SL2-IN-E-1017	SL2-IN-E-1158R	SL2-IN-E-1153R
VCCI					
A-0029	A-0109	N/A	A-0108	A-0201	A-0110
Recognized Phase I CAB for ACMA, BSMI, IDA, KCC/RRA, MIC, MOC, NCC, OFCA					
US0158	US0175	N/A	US0017	US0191	US0157







PRODUCT DESCRIPTION

NORTHWEST EMC
2014-12-10

Client and Equipment Under Test (EUT) Information

Company Name:	Summit Semiconductor LLC
Address:	20575 NW Von Neumann Dr.
City, State, Zip:	Beaverton, OR 97006
Test Requested By:	Kenneth Boehlke
Model:	SherwoodXD (extended distance)
First Date of Test:	September 22, 2015
Last Date of Test:	September 24, 2015
Receipt Date of Samples:	September 21, 2015
Equipment Design Stage:	Production
Equipment Condition:	No Damage

Information Provided by the Party Requesting the Test

List all antenna assemblies and their corresponding gains.

1. If radiated tests are to be performed, the U-NII Device should be tested with the lowest gain antenna assembly (regardless of antenna type). The report should indicate which antenna assembly was used for the tests. For devices with adjustable output power, list the output power range and the maximum EIRP for each antenna assembly.
2. If conducted tests are to be performed, indicate which antenna port/connection was used for the tests and the antenna assembly gain that was used to set the DFS Detection Threshold level during calibration of the test setup.
    a. Indicate the calibrated conducted DFS Detection Threshold level.
    b. For devices with adjustable output power, list the output power range and the maximum EIRP for each antenna assembly.
    c. Indicate the antenna connector impedance. Ensure that the measurement instruments match (usually 50 Ohms) or use a minimum loss pad and take into account the conversion loss.
3. Antenna gain measurement verification for tested antenna.
    a. Describe procedure
    b. Describe the antenna configuration and how it is mounted
    c. If an antenna cable is supplied with the device, cable loss needs to be taken into account. Indicate the maximum cable length and either measure the gain with this cable or adjust the measured gain accordingly. State the cable loss.

The master device is configured to use either the two integrated 50 Ohm antennas, or the two 50 Ohm external antennas. Mixed integrated and external antennas are not allowed. Of the two antennas, one antenna is exclusively used to monitor for radar detection, and the other is used for audio/control transfer as well as radar detection. The integrated antenna gain was measured, and shown to have maximum gain of 1dBi. The external antenna minimum gain is -1dBi comprised of 3dBi antenna gain and 4dB of cable losses.

Functional Description of the EUT (Equipment Under Test):

Proprietary 802.11a master radio with packetized data transfer of audio and control to client radio.

The operating modes of the U-NII device.

Proprietary 802.11a master radio. 20MHz bandwidth only. The wireless audio master device contains both a Working radio (used for audio traffic) and a Monitor radio (used for Channel Availability Check on prospective channels).

PRODUCT DESCRIPTION

NORTHWEST EMC
2014-12-10

System architectures, data rates, U-NII Channel bandwidths.

1. Indicate the type(s) of system architecture (e.g. IP based or Frame based) that the U-NII device employs. Each type of unique architecture must be tested.

System is load based.

Data Rates:
Master = 6Mb/S, 18Mb/S & 36Mb/S

All channels utilize only the 20MHz bandwidth mode of operation.

Applicable only to devices with Radar detection capabilities: The time required for the Master Device or Client Device (with radar detection) to complete its power-on cycle.

Less than 4 seconds.

Hardware, Firmware, and OS Versions:

Hardware version:

Sherwood XD Master, PN:444-2254, R203.02.

Firmware version: FW197.3

OS versions: N/A

The operating frequency band(s) of the equipment.

The radio operates on channel center frequencies within the ranges of 5.18–5.32 GHz, 5.50–5.70 GHz, and 5.745-5.825 GHz with a maximum occupied channel bandwidth of 20 MHz.

List the highest and the lowest possible power level (equivalent isotropic radiated power (EIRP) of the equipment.

The maximum EIRP of the master is +29dBm (23dBm + 6dBi).

Test sequences or messages that should be used for communication between Master and Client Devices, which are used for loading the Channel.

1. Stream the test file from the Master Device to the Client Device for IP based systems or frame based systems which dynamically allocate the talk/listen ratio.
2. For frame based systems with fixed talk/listen ratio, set the ratio to 45%/55% and stream the test file from the Master to the Client.
3. For other system architectures, supply appropriate Channel loading methodology.

Testing is performed with an audio streams of 48kHz/96kHz from the master to the client. Channel loading is approximately 70%.

Transmit Power Control description.

TPC is implemented

Applicable only to devices with Radar detection capabilities: Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.

Parameters are not available to the end user. Radio parameters can only be modified by third party ODM/OEM partners through the mechanism of country codes. No radio parameter can be modified directly and cause a violation of certification. No end-user or installer can modify these country codes.

Applicable only to Master devices: Uniform Channel Spreading requirement for Master Devices. For Master Devices, indicate how the master provides, on aggregate, uniform Channel loading of the spectrum across all Channels.

The Master device uses Dynamic Frequency Selection in its use of the wireless medium and selects channels as follows:

1. The Master unit, after power up, initializes its radios to a default radio channel determined from values preprogrammed in its flash memory. During the Network
Beacon process (essential to synchronize the master and slave units for communication) two channels are selected randomly, one for non-DFS and one for DFS use.

2. Then onwards, new channels are derived by a pseudo-random channel selection process performed within each channel set. DFS system senses channel impairment by energy or radar detection on monitor or transmit radios. Channel impairment may also be detected by the transmitter radio by observing the packet loss/error rate as reported by the slave units.

3. When a prospective channel is selected for use, appropriate national regulations are adhered to. For example, when operating in U.S.A, FCC regulations are followed. These regulations govern how long a channel has to be left unused on detection of radar (30 minutes for FCC) and how long a channel has to be monitored for radar before being used (60 seconds for FCC).

4. When a new channel is used, a channel change is done within about 100 ms after detecting impairment (FCC regulations require the channel be vacated within 200 ms of detecting radar).

This channel selection method ensures uniformity of channel loading of all available channels

CONFIGURATIONS

NORTHWEST EMC 2014-12-10

Configuration FOCU0216- 1

EUT			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Radio Module (SherwoodXD (extended distance))	Summit Semiconductor LLC	444-2254	02EA4FD0010F

Peripherals in test setup boundary			
Description	**Manufacturer**	**Model/Part Number**	**Serial Number**
Development Board (Athena)	Summit Semiconductor LLC	None	None
AC/DC Adapter (Athena)	CONDOR	STD-1836P	SA-183A6IV
Radio Board (Athena4XD) Extended Distance	Summit Semiconductor LLC	444-2253	02EA4CD00042
Laptop DFS (Dell)	Dell	Latitude D820	None
AC/DC Adapter DFS (DELL)	Replacement AC Adaptor	AC-PA-10	None
Laptop DFS (Dell 2)	Dell	Latitude D820	CN-0GF470-48643-739-1438
AC/DC Adapter DFS (DELL 2)	Dell	LA90PS0-00	CN-0DF266-71615-81L-3CBS
SherwoodXD-Bridge	Summit Semiconductor LLC	None	None
USB to I2c Converter	Summit Semiconductor LLC	DIOLAN	None
USB Audio Converter	TeraLink	TeraLink2	None
Power Supply (Master)	CONDOR	STD-1836P	SA-183A6IV

Cables					
Cable Type	**Shield**	**Length (m)**	**Ferrite**	**Connection 1**	**Connection 2**
AC Power Cable (Athena)	No	1.5m	No	AC mains	Development Board (Athena)
DC Power Cable (Athena)	Unknown	1.5m	Yes	AC/DC Adapter (Athena)	Development Board (Athena)
USB Cable	Yes	1.2m	No	Laptop	Development Board (Athena)
AC Power Cable Laptop DFS x2	No	0.9m	No	AC/DC Power Adapter	AC mains
DC Power Cable Laptop DFS x2	No	1.2m	No	Laptop	AC/DC Power Adapter
Ethernet to I/O	Yes	0.6m	No	Teralink 2	USB to I2C Converter
USB Cable	Yes	1.2m	No	Laptop DFS	Teralink 2
USB Cable	Yes	1.5m	No	Laptop DFS	USB to I2C Converter
Serial Cable	No	1.6m	No	SherwoodXD-Bridge	Laptop DFS
AC Power Cable (SherwoodXD)	No	0.8m	No	AC/DC Power Adapter	AC mains
DC Power Cable (SherwoodXD)	No	1.6m	Yes	SherwoodXD-Bridge	AC/DC Power Adapter

MODIFICATIONS

NORTHWEST EMC
2014-12-10

Equipment Modifications

Item	Date	Test	Modification	Note	Disposition of EUT
1	9/22/2015	Channel Loading Channel Utilization	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
2	9/22/2015	Test Signal Level	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
3	9/23/2015	Detection Bandwidth	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
4	9/23/2015	Channel Availability Check	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
5	9/23/2015	Non Occupancy Period	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
6	9/23/2015	Closing Time	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
7	9/23/2015	Move Time	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	EUT remained at Northwest EMC following the test.
8	9/24/2015	Statistical Performance	Tested as delivered to Test Station.	No EMI suppression devices were added or modified during this test.	Scheduled testing was completed.

INTRODUCTION & MASTER DEVICE DFS CONFORMANCE

WTD 12.5.23

Overview

For a Master device, there are multiple test that should be performed to verify the correct operation when using DFS Channels. Channel Move Time and Channel Closing Transmission Time requirements are verified with one Short Pulse Radar and one Long Pulse Radar. Non-occupancy period, Detection Bandwidth and Channel Availability Check should be confirmed with short radar pulses. The remaining DFS Detection Threshold test is confirmed by the in-service monitoring statistical performance check where all radar types are required.

Channel Closing Transmission Time: The total duration of transmissions, consisting of data signals and the aggregate of control signals, by a U-NII device during the Channel Move Time.

Channel Move Time: The time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold. In addition, a Master device will instruct all associated client devise to vacate the channel.

Non-Occupancy Period: Time during which both the master and client device shall not make any transmissions on a channel after a radar signal was detected on that channel. It should at least the minimum requirements but it can be more.

Channel Availability Check: A DFS function that monitors a Channel to determine if a Radar Waveform above the DFS Detection Threshold is present.

U-NII Detection Bandwidth: The contiguous frequency spectrum over which a U-NII device detects a Radar Waveform above the DFS Detection Threshold.

DFS Detection Threshold: The required detection level defined by a received signal strength (RSS) that is greater than a specified threshold, within the U-NII Detection Bandwidth (tested as part of Channel Availability Check, U-NII Detection Bandwidth, and statistical performance check.

Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client (without DFS)	Client (with DFS)
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
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 requirement for devices with multiple bandwidth modes	**Operational Mode**	
	Master Device or Client with Radar Detection	**Client Without Radar Detection**
U-NII Detection Bandwidth and Statistical	All BW modes must be tested	Not required

Performance Check		
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) 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.		

DFS Detection Thresholds for Master or Client Devices Incorporating DFS

Maximum Transmit Power	**Value (See Notes 1, 2, and 3)**
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral 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. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

DFS Response Requirement Values

Parameter	**Value**
Non-occupancy	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 UNII 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.	

Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	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 Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A	(See KDB section 6.1)	60%	30
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 Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

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 Number of Trials
5	50 - 100	5 - 20	1000 - 2000	1 - 3	8 - 20	80%	30

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 Number of Trials
6	1	333	9	0.333	300	70%	30

Setting the Test Signal Level

The radar test signal level is set at the Master Device, or the Client Device with In-Service Monitoring, as appropriate for the particular test. This device is known as the Radar Detection Device (RDD). The RDD consists of the applicable device and the device antenna assembly that has the lowest antenna assembly gain of all available antenna assemblies. Depending on the UUT, the following configurations exist:

- When the Master Device is the UUT, the Master Device is the RDD.
- When a Client Device without Radar Detection is the UUT, the Master Device is the RDD.
- When a Client Device with Radar Detection is the UUT, and is tested for response to the Master Device detections, the Master Device is the RDD.
- When a Client Device with Radar Detection is the UUT, and is tested for independent response to detections by the Client Device, the Client Device is the RDD.

A spectrum analyzer is used to establish the test signal level for each radar type. During this process, there are no transmissions by either the Master Device or Client Device. The spectrum analyzer is switched to the zero span (time domain) mode at the frequency of the Radar Waveform generator. The peak detector function of the spectrum analyzer is utilized. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) are set to at least 3 MHz.

The signal generator amplitude and/or step attenuators are set so that the power level measured at the spectrum analyzer is equal to the DFS Detection Threshold that is required for the tests. The signal generator and attenuator settings are recorded for use during the test.

Data demonstrating that the test signal level is correctly set for each radar type (0-6) will be recorded and reported.

TEST SIGNAL LEVEL

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Generator - Signal	Agilent	V2920A	TIH	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

FCC KDB 905462 describes the compliance measurement procedures including acceptable instrument system configurations for performing Dynamic Frequency Selection (DFS) tests under FCC Part 15 Subpart E Rules required for Unlicensed - National Information Infrastructure (U-NII) equipment that operates in the frequency bands 5.25 GHz to 5.35 GHz and/or 5.47 GHz to 5.725 GHz. The master and client were connected using the conducted method described in the procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. A spectrum analyzer was used to measure and record the test signal level for each radar type (0-6) as defined in the test procedure.

RBW: ≥ 3MHz

VBW: ≥ 3MHz

Detector: Peak

SPAN: Zero

The measurement was taken using the transmission path from the signal generator to the master. The test signal level was then set equal to the DFS Detection Threshold that is required for testing.

-64dBm + 1dB(spec allowance) + -1dBi(minimum antenna gain) + 6.24dBm(measured internal EUT loss) = -57.76dBm final threshold level.

TEST SIGNAL LEVEL

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			Work Order:	FOCU0216
Serial Number:	02EA4FD0010F			Date:	09/22/15
Customer:	Summit Semiconductor LLC			Temperature:	22.4°C
Attendees:	David Schilling			Humidity:	39%
Project:	None			Barometric Pres.:	1016.9
Tested by:	Brandon Hobbs	Power:	3.3/1.2VDC Nominal	Job Site:	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

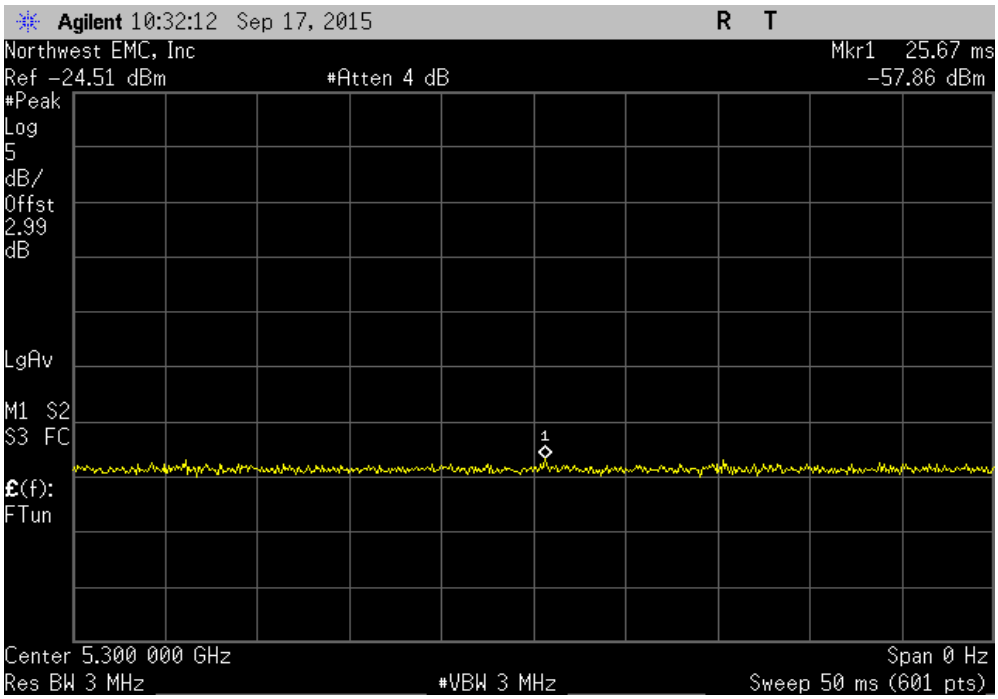
DEVIATIONS FROM TEST STANDARD

None

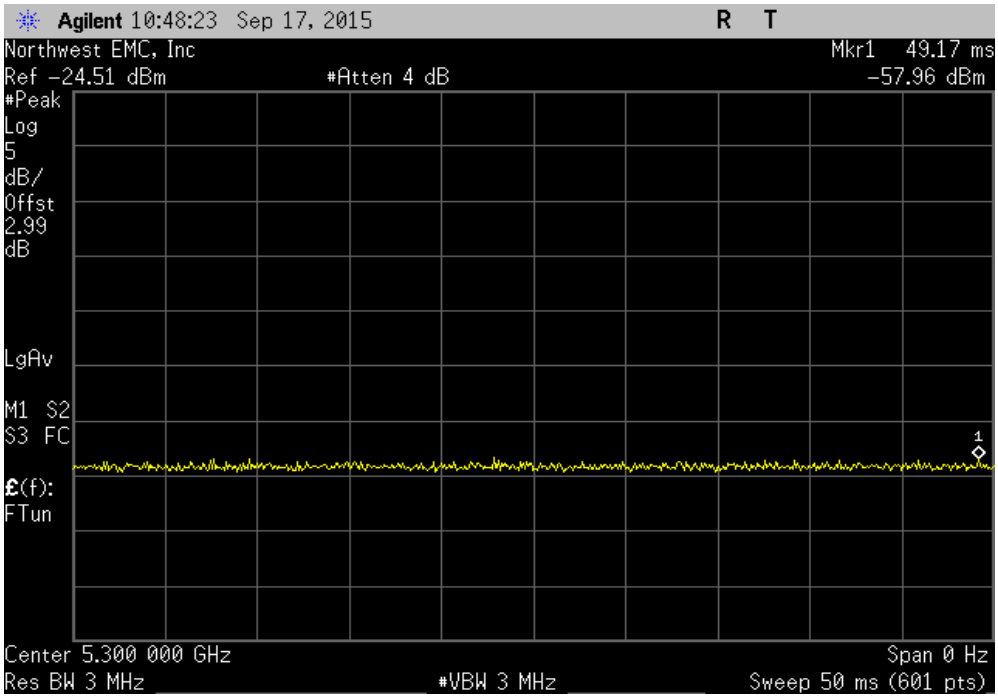
Configuration #	1	Signature

	Measured Value (dBm)	Target Value (dBm)	Result
Radar Type 0	-57.86	-57.76	N/A
Radar Type 1	-57.96	-57.76	N/A
Radar Type 2	-57.46	-57.76	N/A
Radar Type 3	-57.79	-57.76	N/A
Radar Type 4	-57.87	-57.76	N/A
Radar Type 5	-58.05	-57.76	N/A
Radar Type 6	-57.82	-57.76	N/A

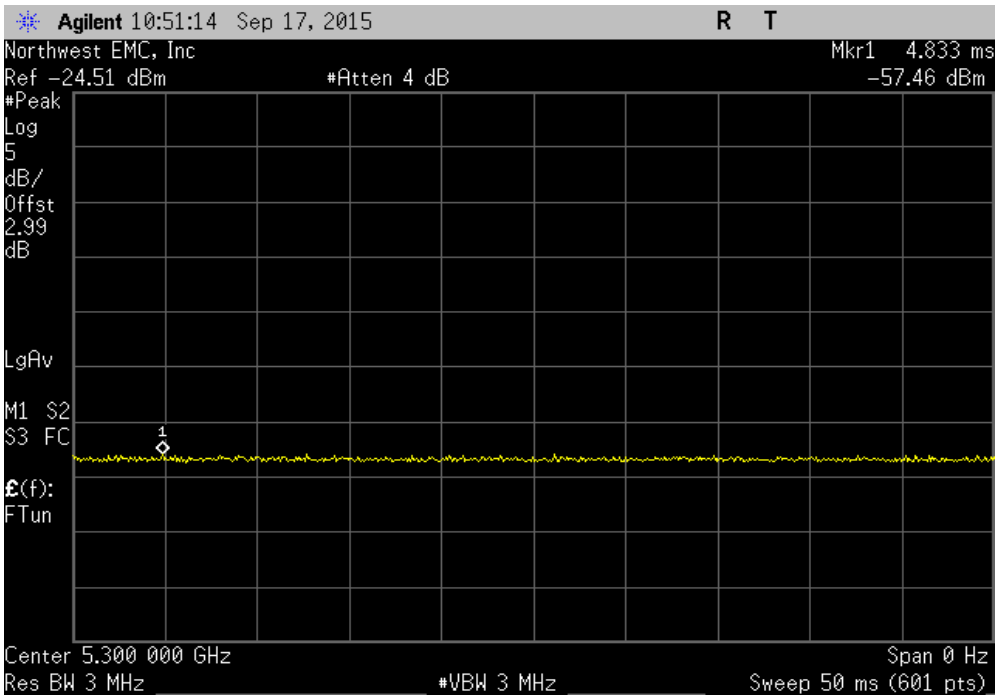
Radar Type 0							
					Measured Value (dBm)	Target Value (dBm)	Result
					-57.86	-57.76	N/A



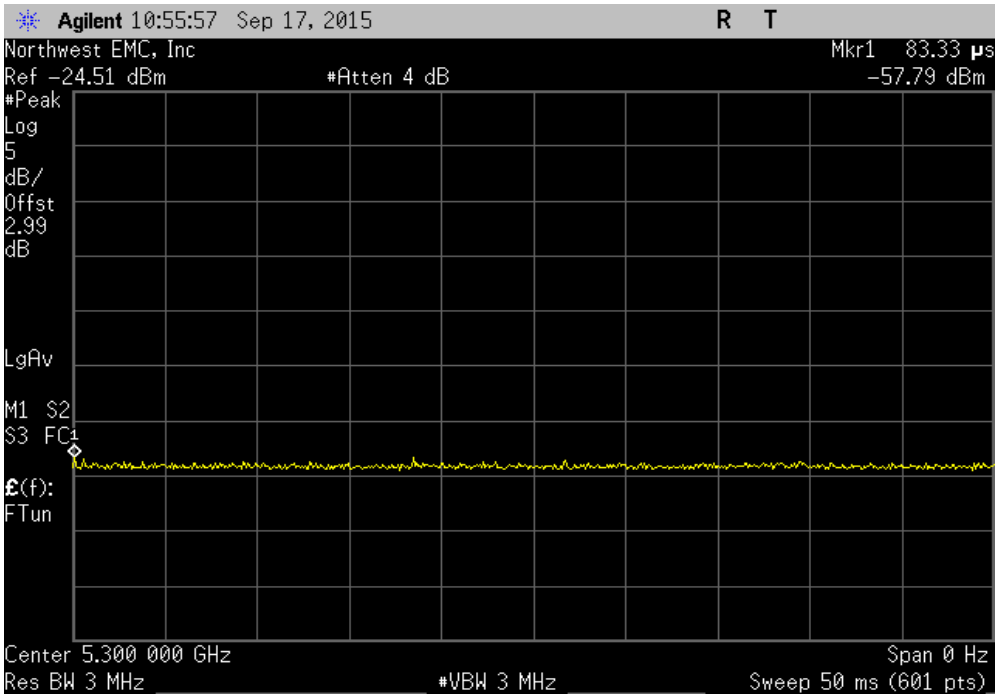
Radar Type 1							
					Measured Value (dBm)	Target Value (dBm)	Result
					-57.96	-57.76	N/A



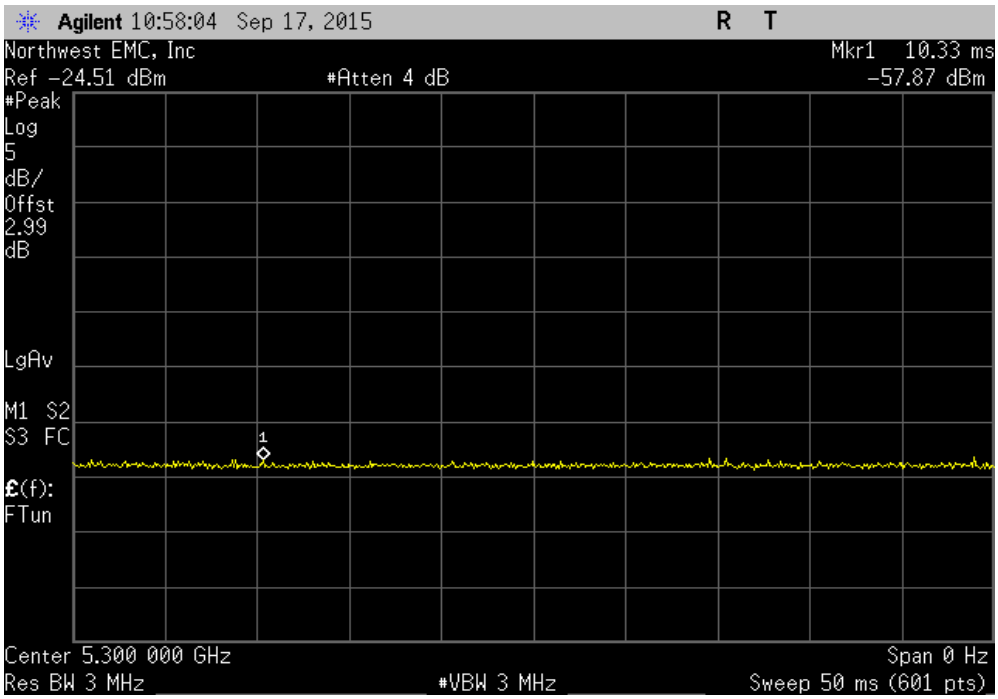
Radar Type 2							
					Measured Value (dBm)	Target Value (dBm)	Result
					-57.46	-57.76	N/A



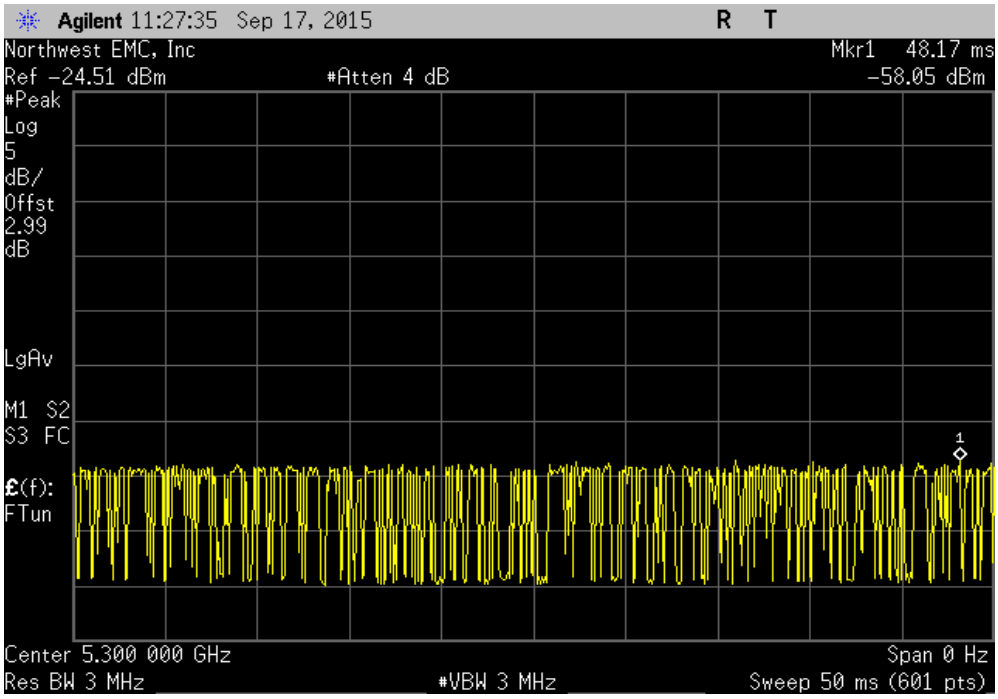
Radar Type 3							
					Measured Value (dBm)	Target Value (dBm)	Result
					-57.79	-57.76	N/A



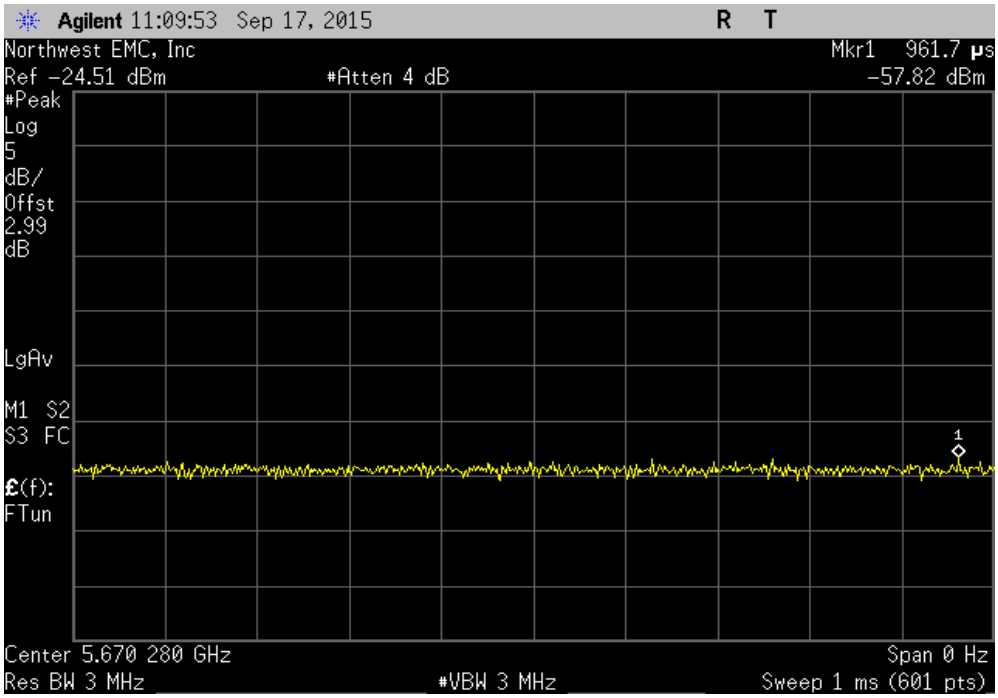
Radar Type 4							
					Measured Value (dBm)	Target Value (dBm)	Result
					-57.87	-57.76	N/A



Radar Type 5							
					Measured Value (dBm)	Target Value (dBm)	Result
					-58.05	-57.76	N/A



Radar Type 6							
					Measured Value (dBm)	Target Value (dBm)	Result
					-57.82	-57.76	N/A



CHANNEL LOADING/CHANNEL UTILIZATION - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain as further described by the sweep times listed in the test data. A direct connection was made between the RF output of the master and client system setup which used the conducted method described in the FCC KDB 905462 test procedure via a series of splitters and attenuators.

CHANNEL LOADING/CHANNEL UTILIZATION - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/22/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

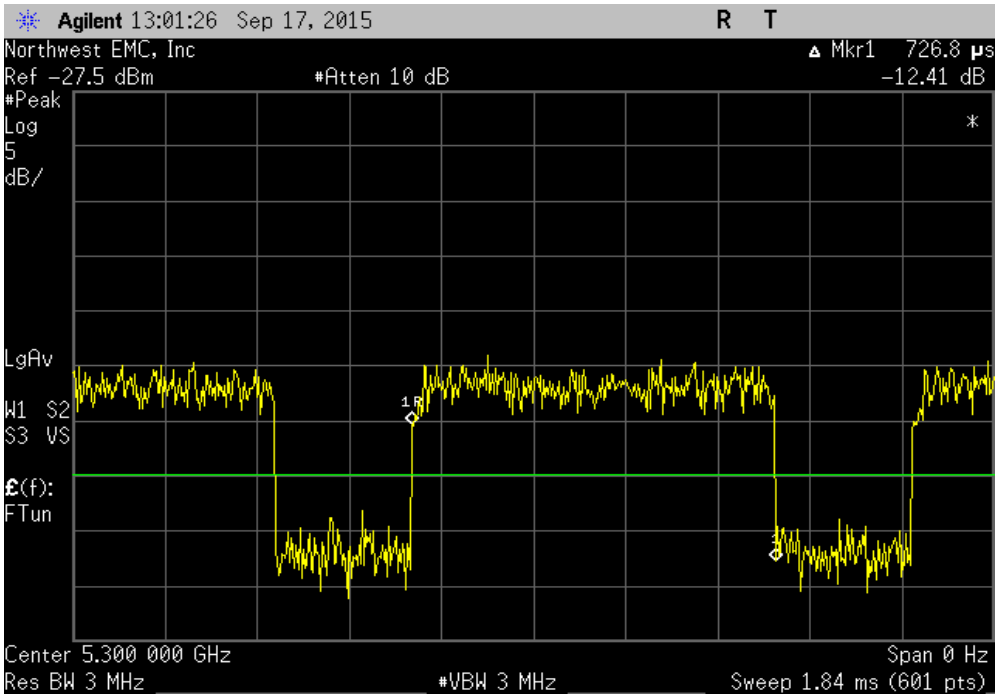
Configuration #	1	Signature

	Pulse On Time (µsec)	Value	Limit	Result
Working Radio				
5300 MHz				
48kHz Sampling Frequency				
Pulse On Time	726.8	>17%	≥17%	N/A
2mS	726.8	>17%	≥17%	PASS
10mS	726.8	>17%	≥17%	PASS
25mS	726.8	>17%	≥17%	PASS
100mS	726.8	>17%	≥17%	PASS
10Sec	726.8	>17%	≥17%	PASS
96kHz Sampling Frequency				
Pulse On Time	375	>17%	≥17%	N/A
2mS	375	>17%	≥17%	PASS
10mS	375	>17%	≥17%	PASS
25mS	375	>17%	≥17%	PASS
100mS	375	>17%	≥17%	PASS
10Sec	375	>17%	≥17%	PASS

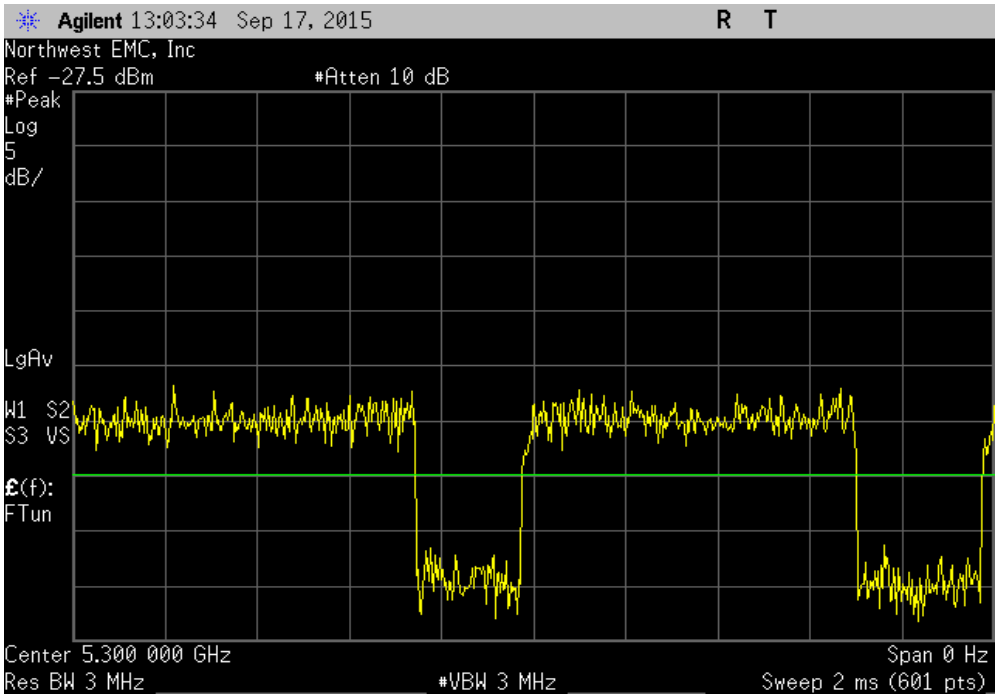
CHANNEL LOADING/CHANNEL UTILIZATION - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 48kHz Sampling Frequency, Pulse On Time						
			Pulse On Time (µsec)	Value	Limit	Result
			726.8	>17%	≥17%	N/A



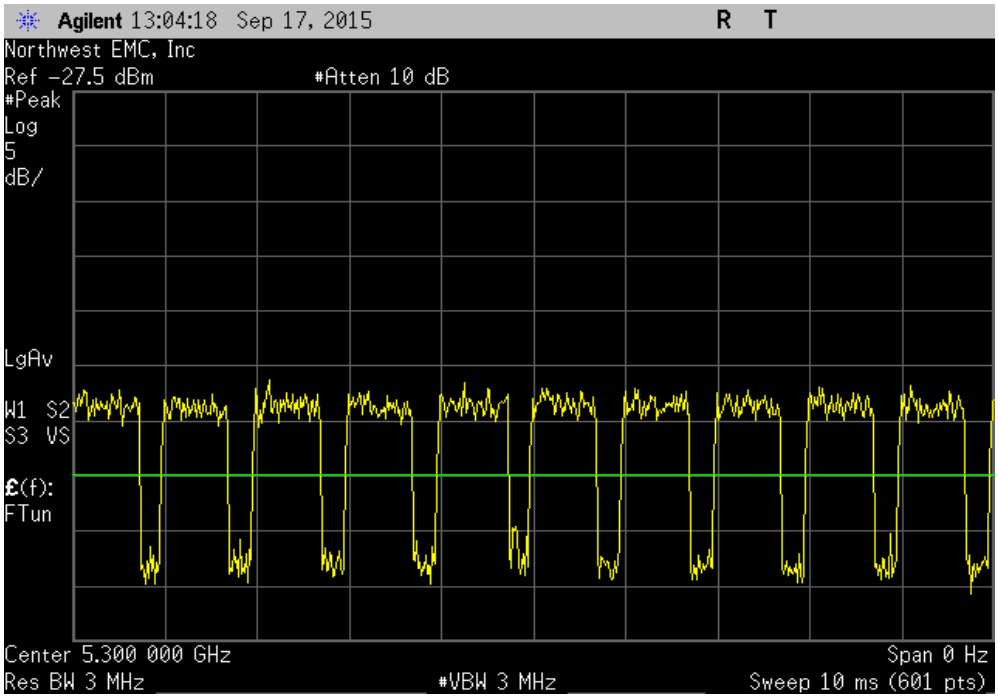
Working Radio, 5300 MHz, 48kHz Sampling Frequency, 2mS						
			Pulse On Time (µsec)	Value	Limit	Result
			726.8	>17%	≥17%	PASS



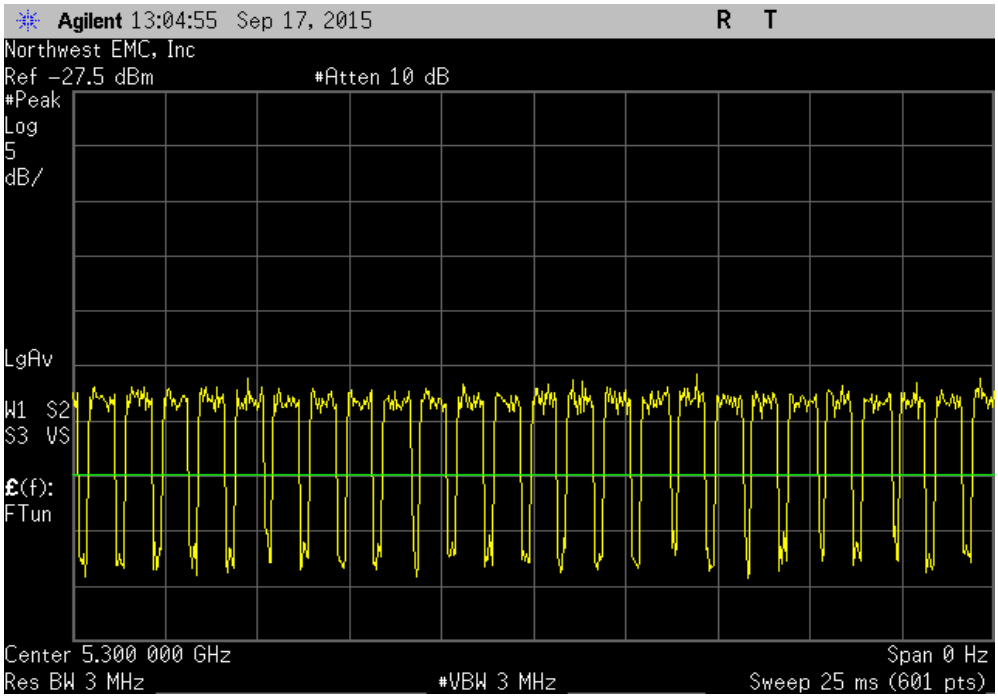
CHANNEL LOADING/CHANNEL UTILIZATION - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 48kHz Sampling Frequency, 10mS						
			Pulse On Time (µsec)	Value	Limit	Result
			726.8	>17%	≥17%	PASS



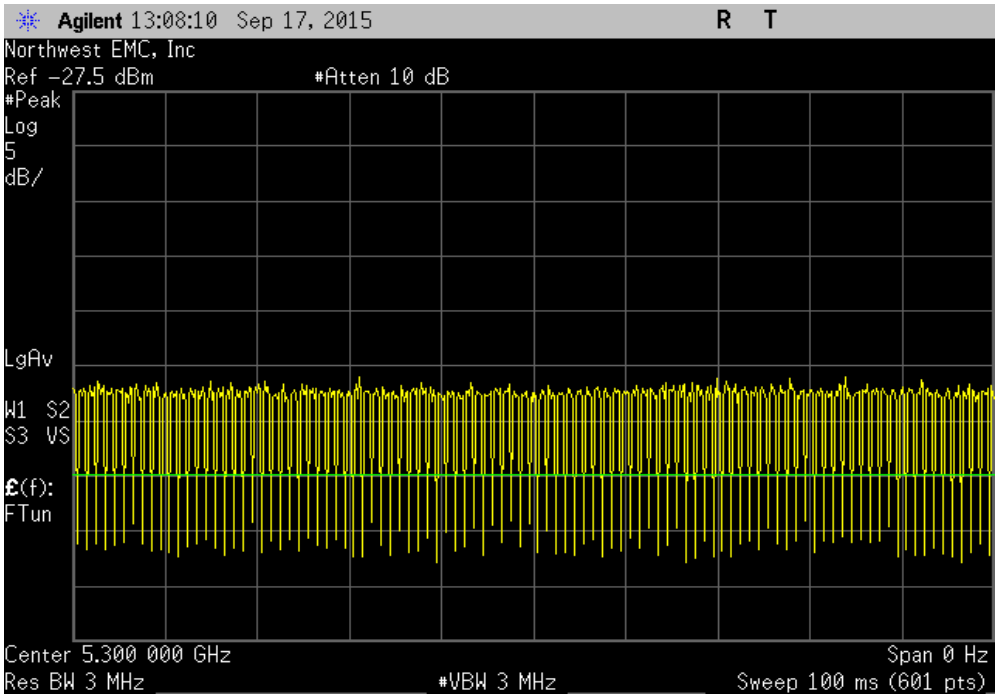
Working Radio, 5300 MHz, 48kHz Sampling Frequency, 25mS						
			Pulse On Time (µsec)	Value	Limit	Result
			726.8	>17%	≥17%	PASS



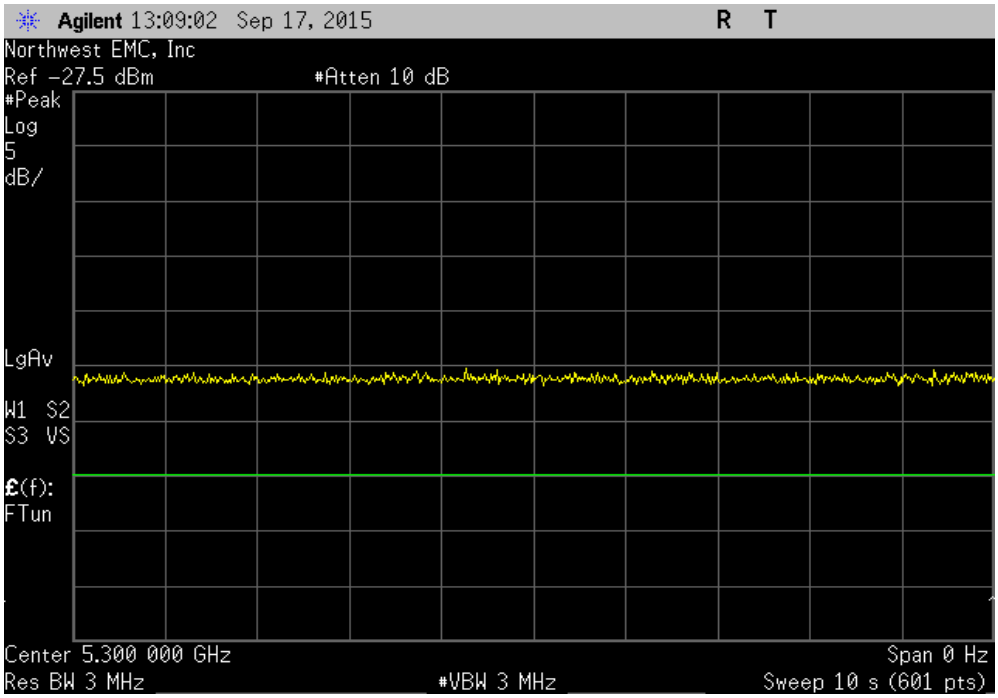
CHANNEL LOADING/CHANNEL UTILIZATION - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 48kHz Sampling Frequency, 100mS						
			Pulse On Time (µsec)	Value	Limit	Result
			726.8	>17%	≥17%	PASS



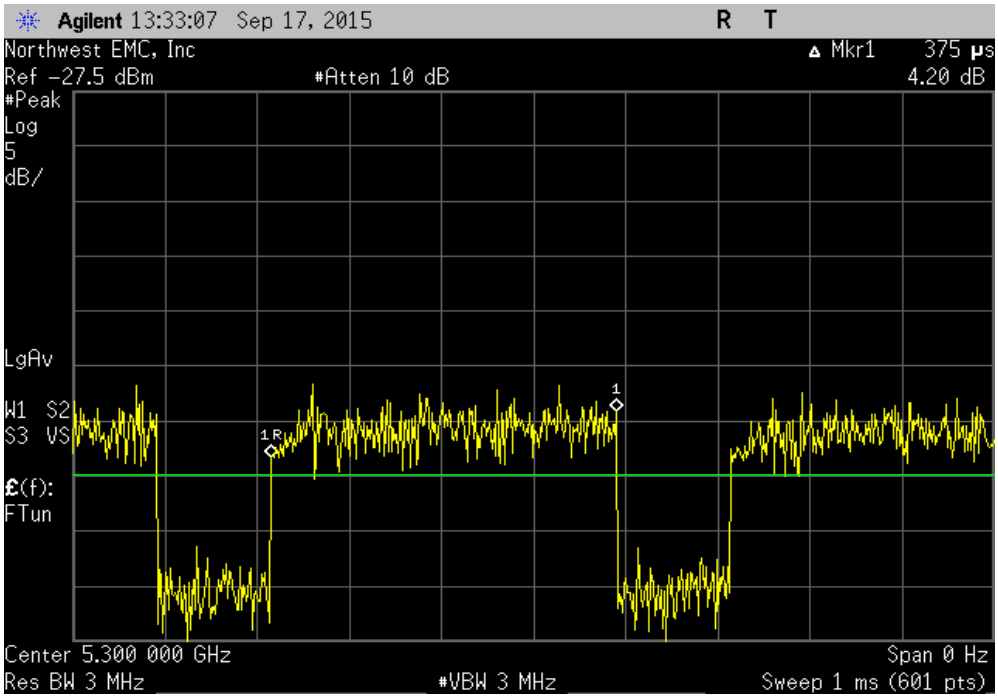
Working Radio, 5300 MHz, 48kHz Sampling Frequency, 10Sec						
			Pulse On Time (µsec)	Value	Limit	Result
			726.8	>17%	≥17%	PASS



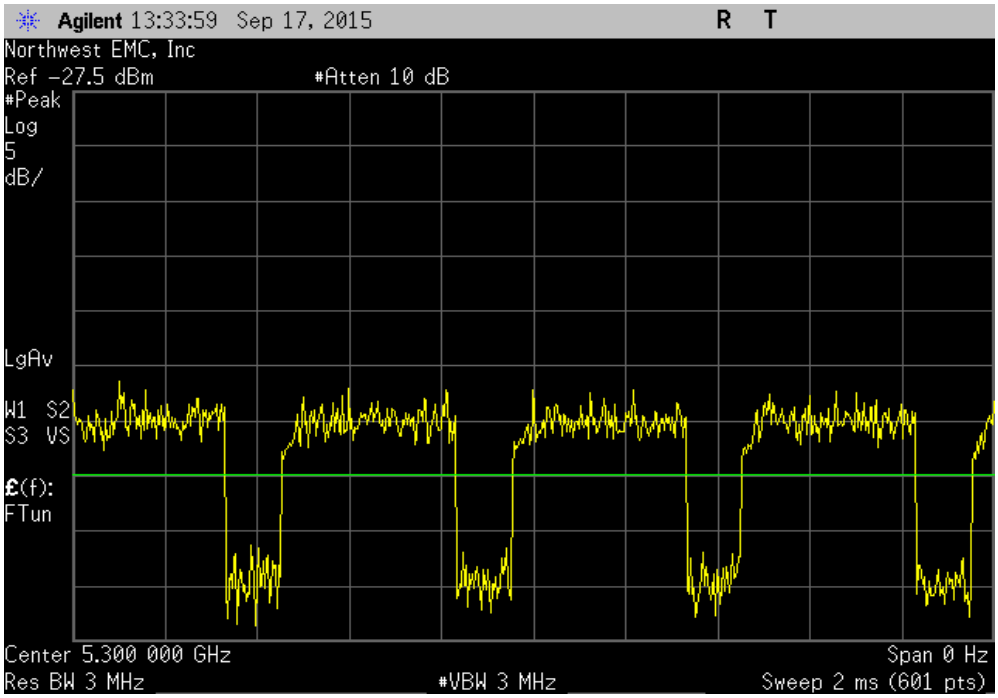
CHANNEL LOADING/CHANNEL UTILIZATION - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 96kHz Sampling Frequency, Pulse On Time						
			Pulse On Time (µsec)	Value	Limit	Result
			375	>17%	≥17%	N/A



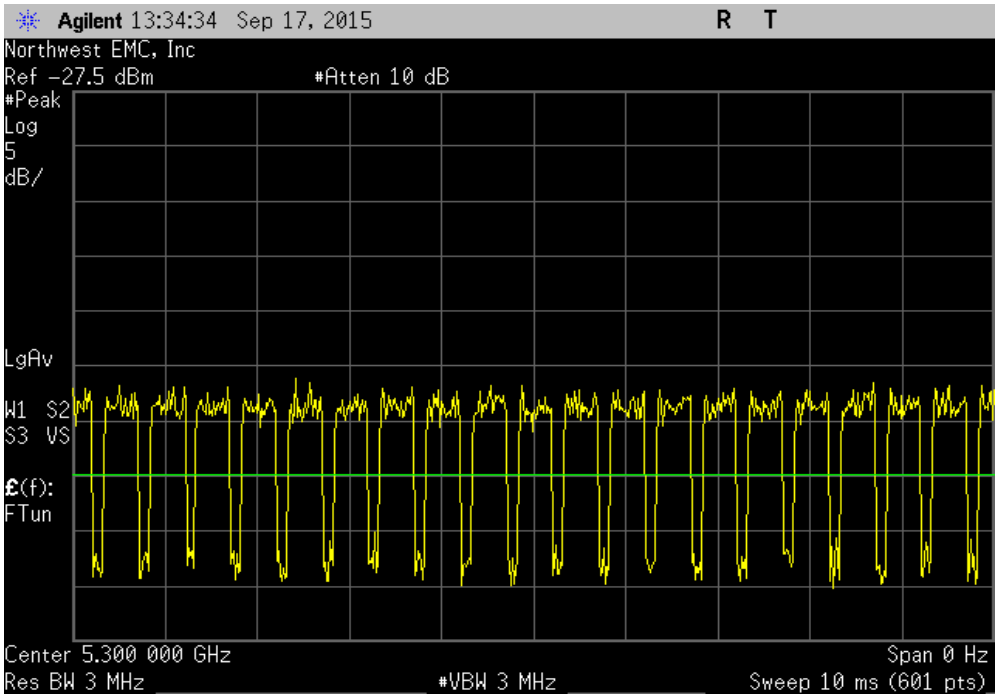
Working Radio, 5300 MHz, 96kHz Sampling Frequency, 2mS						
			Pulse On Time (µsec)	Value	Limit	Result
			375	>17%	≥17%	PASS



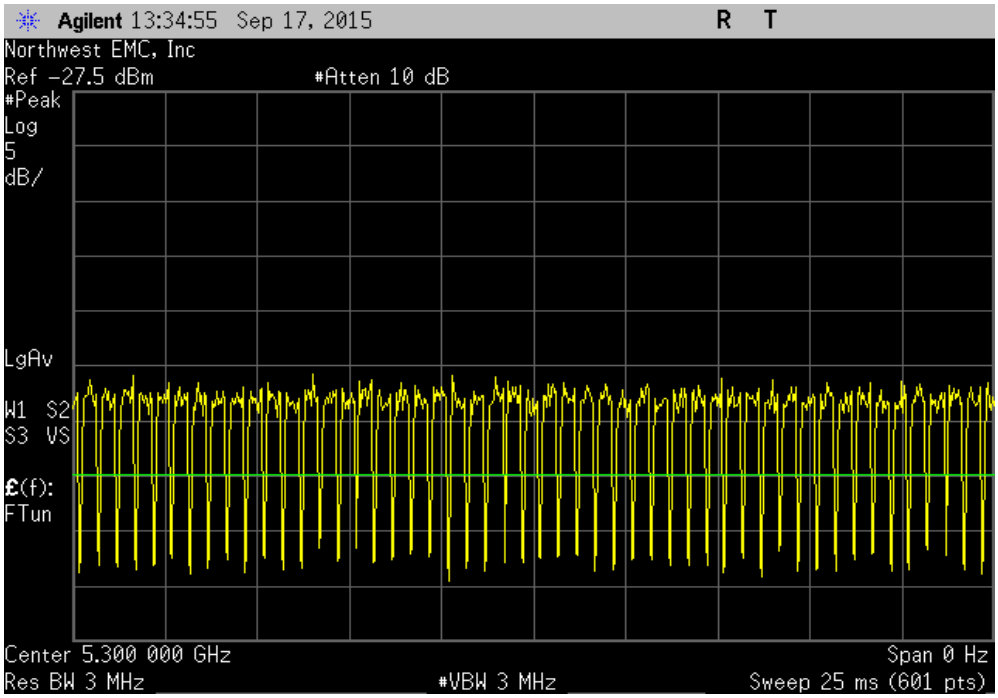
CHANNEL LOADING/CHANNEL UTILIZATION - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 96kHz Sampling Frequency, 10mS						
			Pulse On Time (µsec)	Value	Limit	Result
			375	>17%	≥17%	PASS



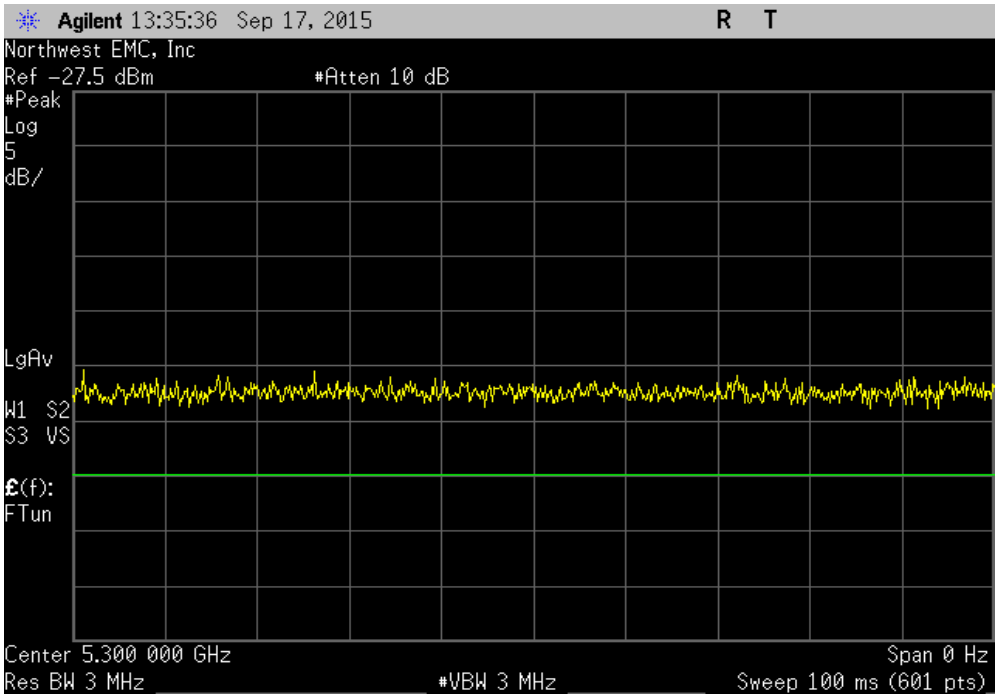
Working Radio, 5300 MHz, 96kHz Sampling Frequency, 25mS						
			Pulse On Time (µsec)	Value	Limit	Result
			375	>17%	≥17%	PASS



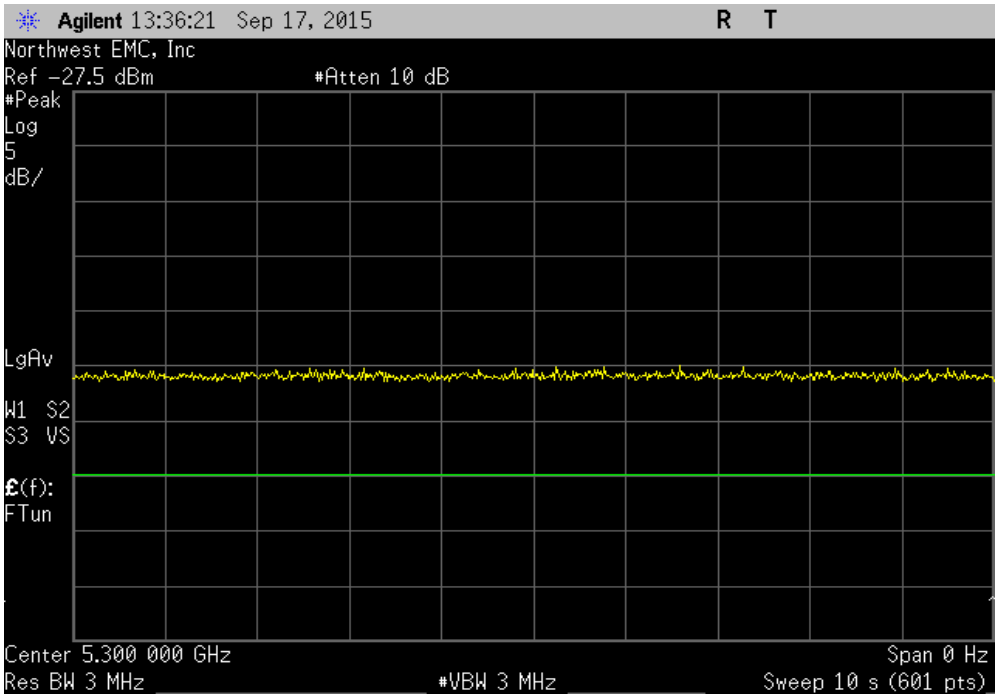
CHANNEL LOADING/CHANNEL UTILIZATION - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 96kHz Sampling Frequency, 100mS						
			Pulse On Time (µsec)	Value	Limit	Result
			375	>17%	≥17%	PASS



Working Radio, 5300 MHz, 96kHz Sampling Frequency, 10Sec						
			Pulse On Time (µsec)	Value	Limit	Result
			375	>17%	≥17%	PASS



DETECTION BANDWIDTH - MONITOR RADIO

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master was connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. The detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. Configuration and status of the master device was then monitored using the spectrum analyzer (no association with client). The required radar signal was injected at the upper and lower band edge frequencies for ten trials each. If the detection percentage was not met, the upper and lower frequencies were reduced or increased by 1MHz and then injected again. This process is repeated until the frequency is found where the master detects the required number of trials. The upper and lower frequencies are subtracted and the resulting number is the U-NII Detection Bandwidth which must be greater than or equal to the bandwidth used for data transmission.

As Fully described earlier in this report, the measured and verified -64dBm threshold short pulse radar type 0 was used to illustrate the detection bandwidth as define in the FCC KDB procedure.

DETECTION BANDWIDTH - MONITOR RADIO

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/23/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and Monitor Radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

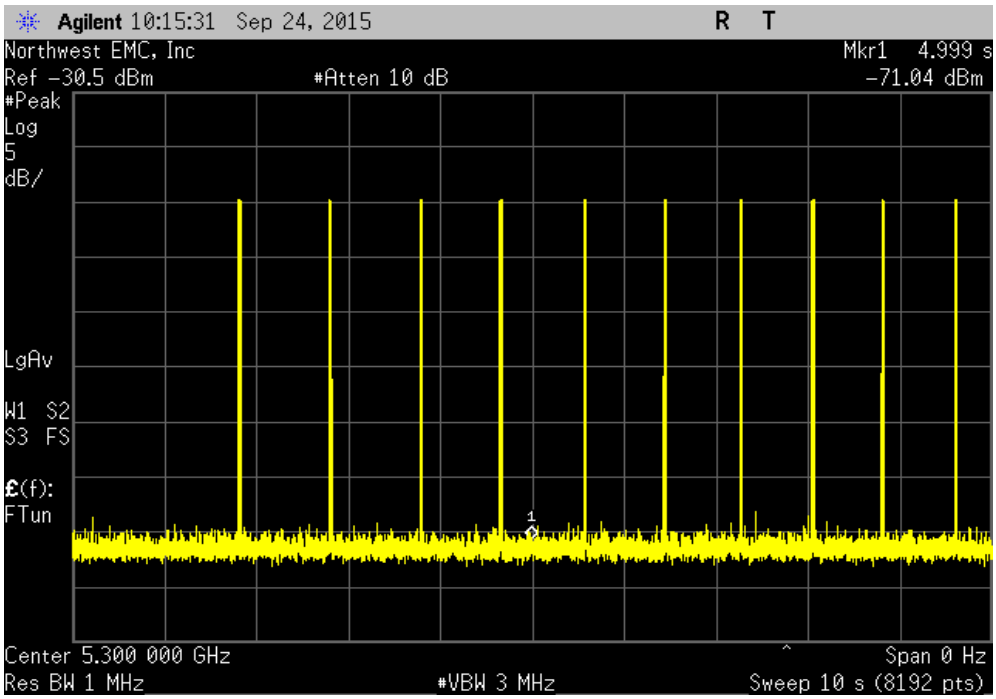
Configuration #	1	*Signature*

		Detected	Not Detected	% Detected	Value	Limit	Result
Monitor Radio							
	5300 MHz						
	Frequency Low	10	0	100	5290 MHz	N/A	N/A
	Frequency High	10	0	100	5310 MHz	N/A	N/A
	U-NII Detection Bandwidth	N/A	N/A	N/A	20 MHz	≥ 18 MHz	PASS

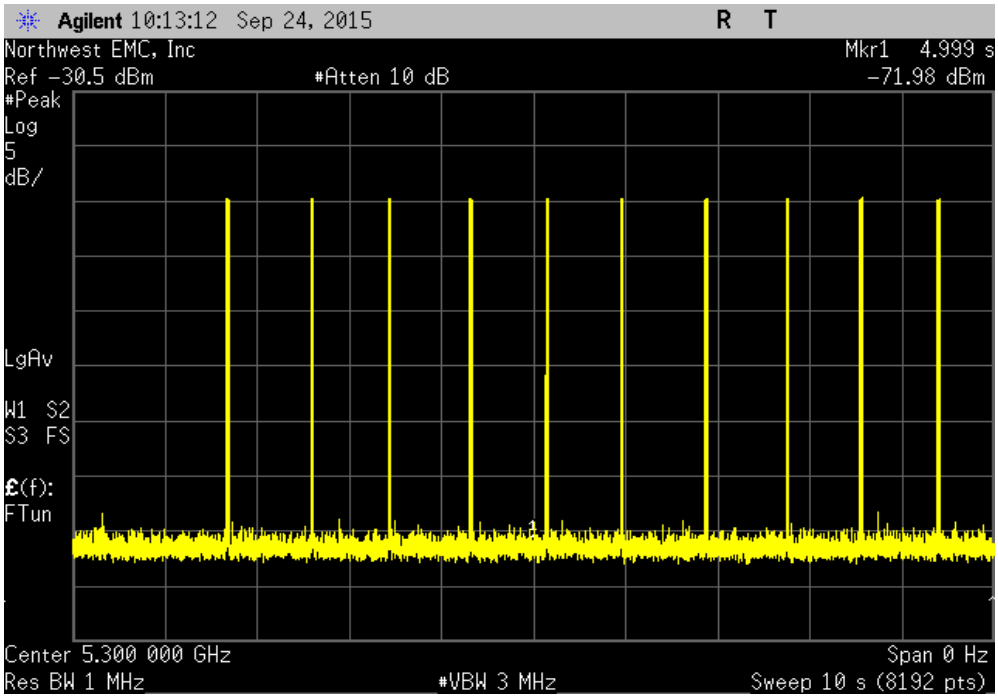
DETECTION BANDWIDTH - MONITOR RADIO

XMit 2015.01.14

Monitor Radio, 5300 MHz, Frequency Low						
Detected	Not Detected	% Detected		Value	Limit	Result
10	0	100		5290 MHz	N/A	N/A



Monitor Radio, 5300 MHz, Frequency High						
Detected	Not Detected	% Detected		Value	Limit	Result
10	0	100		5310 MHz	N/A	N/A



DETECTION BANDWIDTH - MONITOR RADIO

NORTHWEST EMC

XMit 2015.01.14

Monitor Radio, 5300 MHz, U-NII Detection Bandwidth						
Detected	**Not Detected**	**% Detected**		**Value**	**Limit**	**Result**
N/A	N/A	N/A		20 MHz	≥ 18 MHz	PASS

DETECTION BANDWIDTH - WORKING RADIO

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master was connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. The detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. Configuration and status of the master device was then monitored using the spectrum analyzer (no association with client). The required radar signal was injected at the upper and lower band edge frequencies for ten trials each. If the detection percentage was not met, the upper and lower frequencies were reduced or increased by 1MHz and then injected again. This process is repeated until the frequency is found where the master detects the required number of trials. The upper and lower frequencies are subtracted and the resulting number is the U-NII Detection Bandwidth which must be greater than or equal to the bandwidth used for data transmission.

As Fully described earlier in this report, the measured and verified -64dBm threshold short pulse radar type 0 was used to illustrate the detection bandwidth as define in the FCC KDB procedure.

DETECTION BANDWIDTH - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/23/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

Configuration #	1	Signature

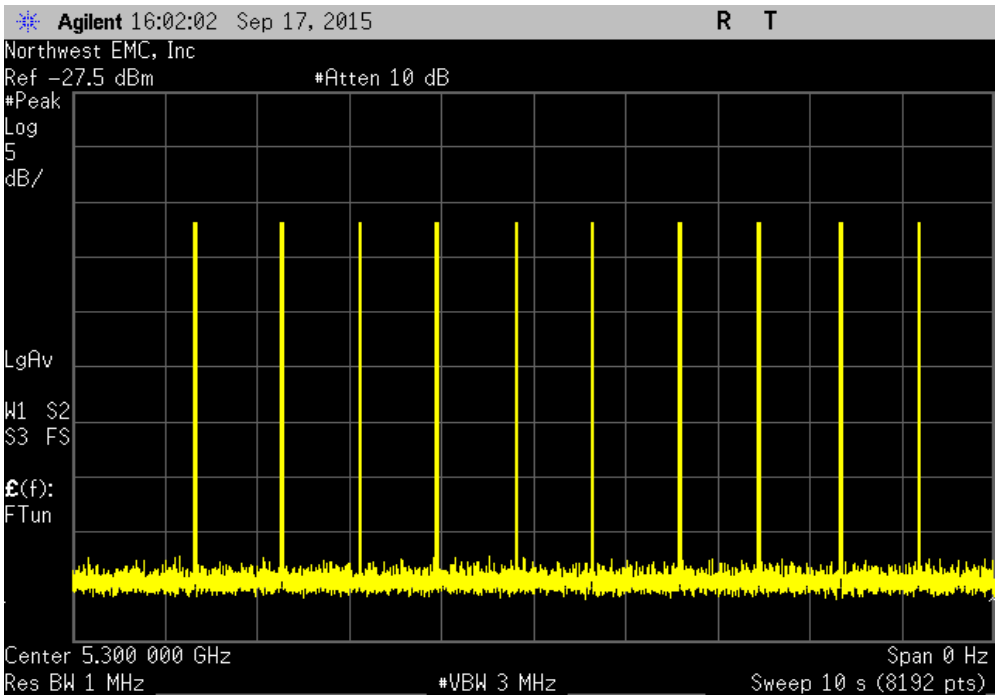
		Detected	Not Detected	% Detected	Value	Limit	Result
Working Radio							
	5300 MHz						
	Frequency Low	10	0	100	5290 MHz	N/A	N/A
	Frequency High	10	0	100	5310 MHz	N/A	N/A
	U-NII Detection Bandwidth	N/A	N/A	N/A	20 MHz	≥ 18MHz	PASS

DETECTION BANDWIDTH - WORKING RADIO

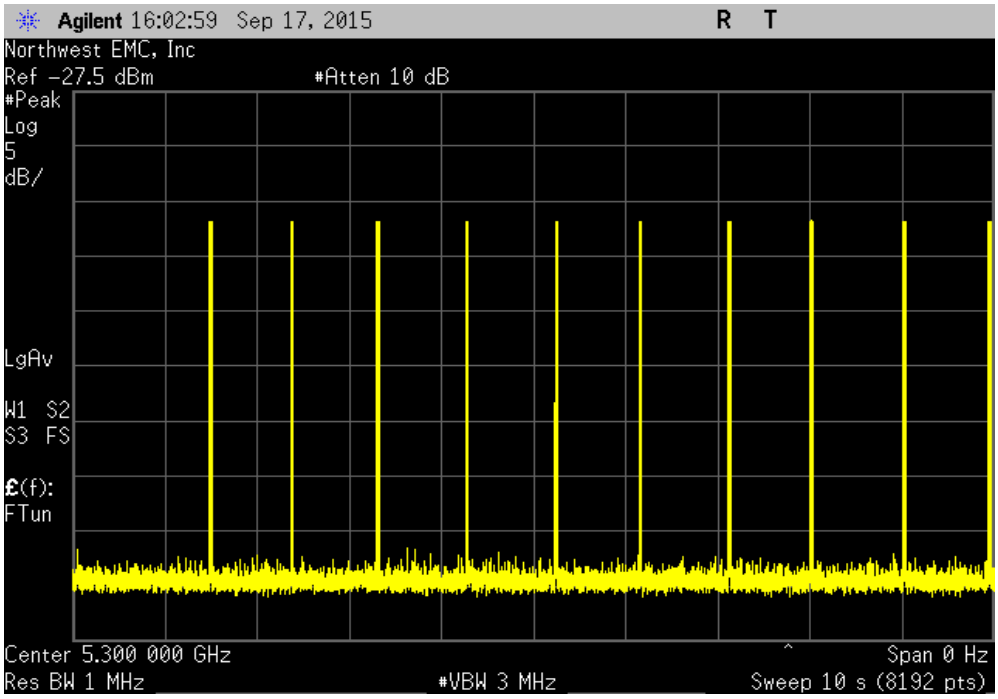
NORTHWEST EMC

XMit 2015.01.14

Working Radio, 5300 MHz, Frequency Low						
Detected	**Not Detected**	**% Detected**		**Value**	**Limit**	**Result**
10	0	100		5290 MHz	N/A	N/A



Working Radio, 5300 MHz, Frequency High						
Detected	**Not Detected**	**% Detected**		**Value**	**Limit**	**Result**
10	0	100		5310 MHz	N/A	N/A



DETECTION BANDWIDTH - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

Working Radio, 5300 MHz, U-NII Dectection Bandwidth						
Detected	**Not Detected**	**% Detected**		**Value**	**Limit**	**Result**
N/A	N/A	N/A		20 MHz	≥ 18MHz	PASS

CHANNEL AVAILABILITY CHECK - MONITOR RADIO

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master and client were connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. The master detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. In addition, a specified time or indicator was used to determine when the master finishes its power up cycle and begins its channel availability check. Configuration and status of the master and client devices were then monitored using the spectrum analyzer. Three tests were performed on the necessary modes of the device: initial CAC, beginning CAC, and ending CAC. For initial CAC, using the analyzer settings specified in the procedure, the master is monitored to make sure it does not transmit or emit beacons for at least 60 seconds or more after the initial power up cycle. For beginning CAC, the required radar pulse is injected within the first 6 seconds of the channel availability check time, and the channel is monitored to make sure the master detects the radar and does not use the channel. For ending CAC, the required radar pulse is injected within the last 6 seconds of the channel availability check time, and the channel is monitored to make sure the master detects the radar and does not use the channel.

CHANNEL AVAILABILITY CHECK - MONITOR RADIO

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/23/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

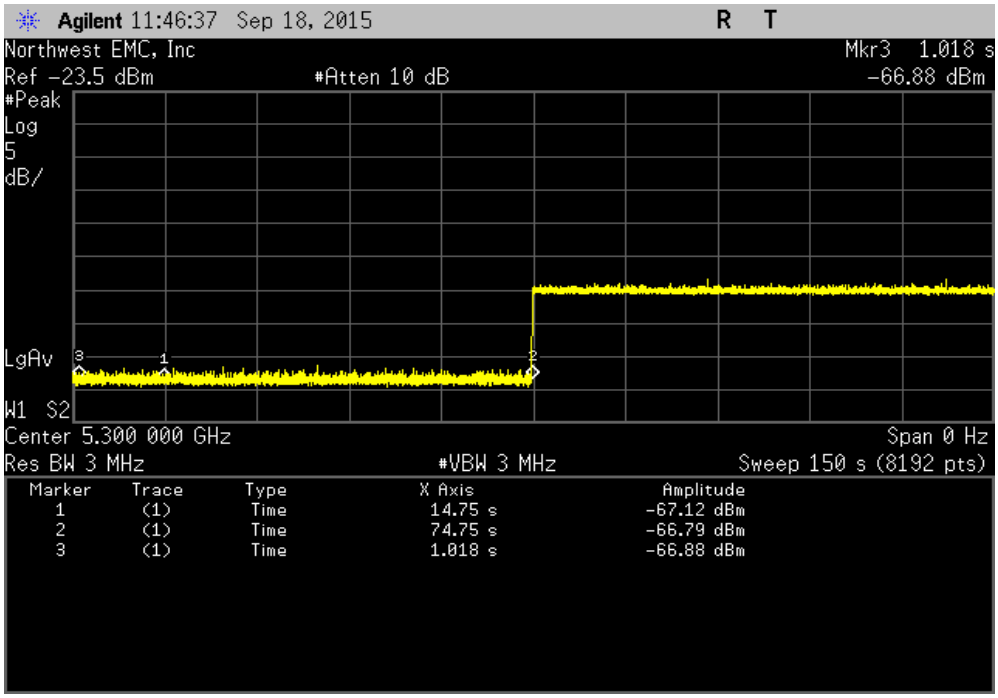
DEVIATIONS FROM TEST STANDARD

None

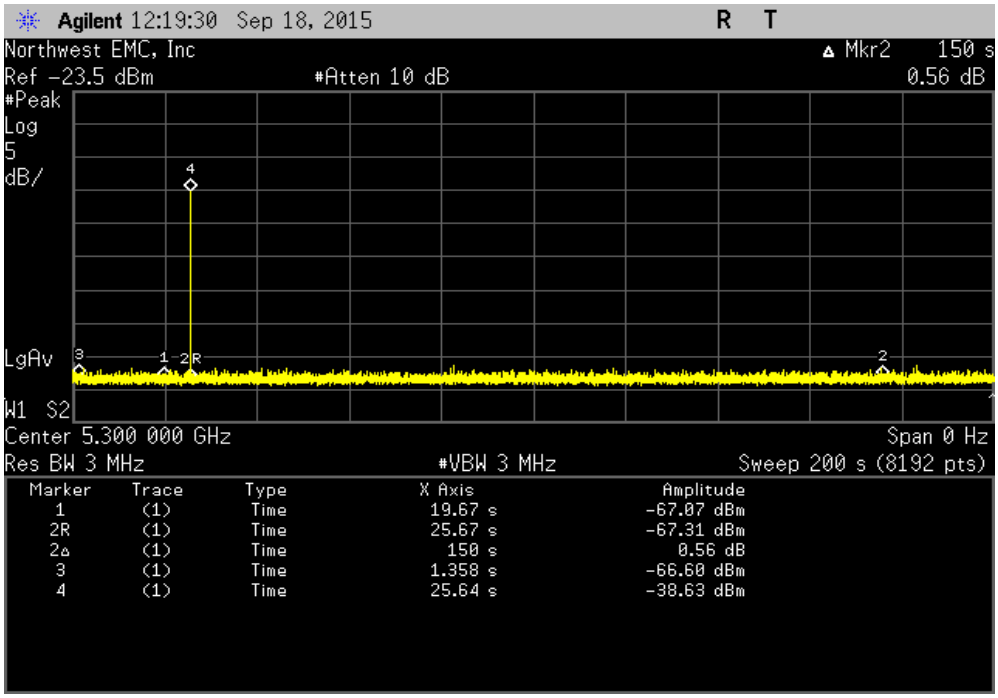
Configuration #	1	Signature

			Value (Sec)	Limit (Sec)	Result
Monitor Radio					
	5300 MHz				
		48kHz Sampling Freuquency			
		Initial CAC	73.7	≥ 60	PASS
		Beginning CAC	> 150	≥ 150	PASS
		Ending CAC	> 150	≥ 150	PASS
		96kHz Sampling Freuquency			
		Initial CAC	74.2	≥ 60	PASS
		Beginning CAC	> 150	≥ 150	PASS
		Ending CAC	> 150	≥ 150	PASS

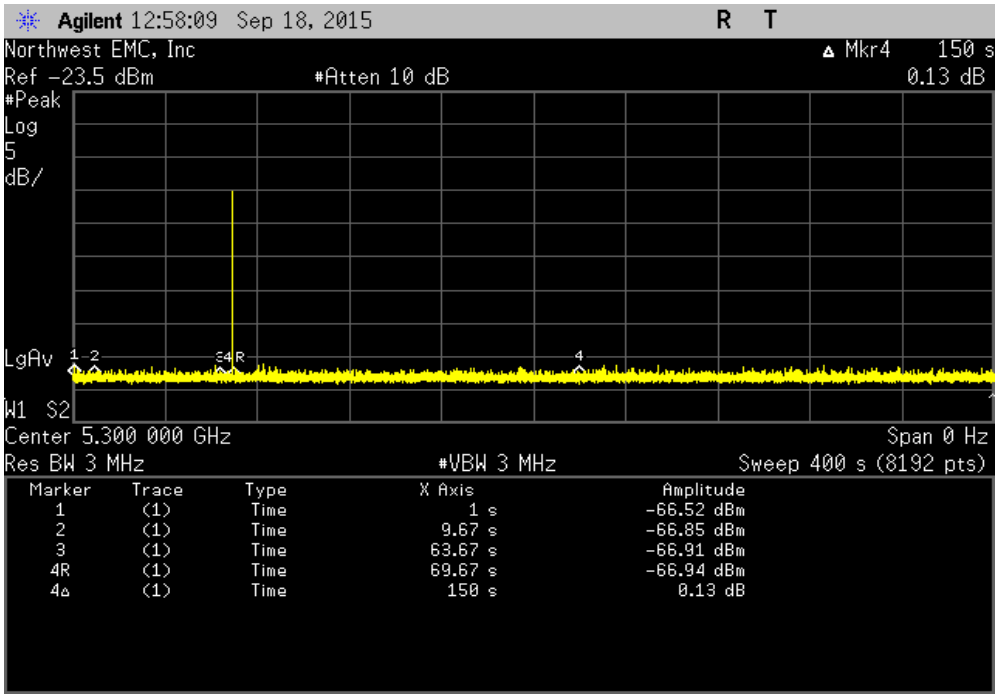
Monitor Radio, 5300 MHz, 48kHz Sampling Freuquency, Initial CAC						
				Value (Sec)	Limit (Sec)	Result
				73.732	≥ 60	PASS



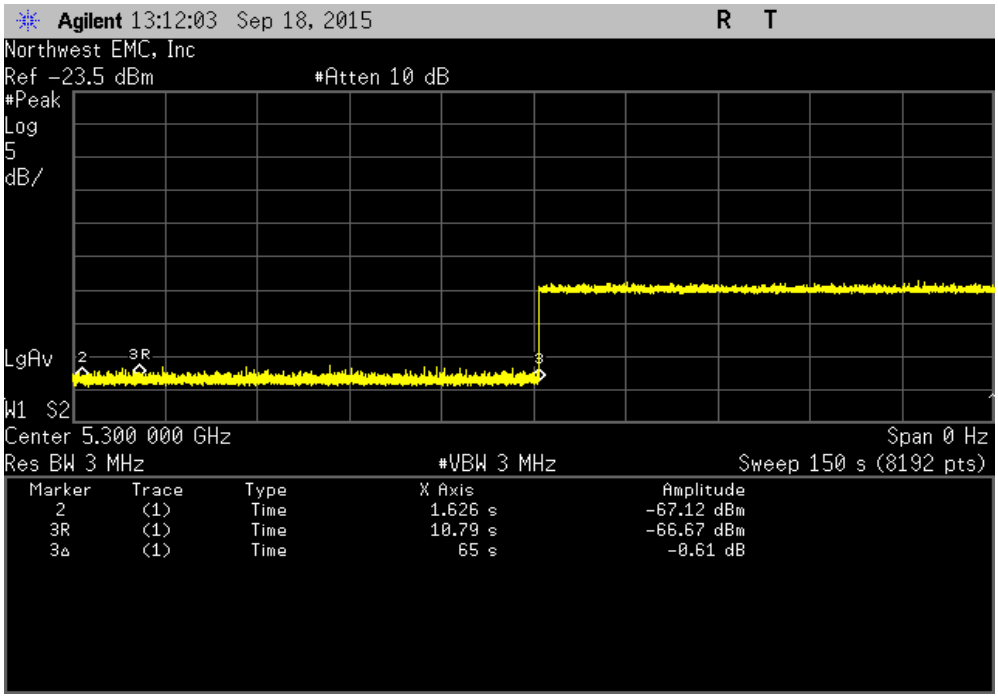
Monitor Radio, 5300 MHz, 48kHz Sampling Freuquency, Beginning CAC						
				Value (Sec)	Limit (Sec)	Result
				> 150	≥ 150	PASS



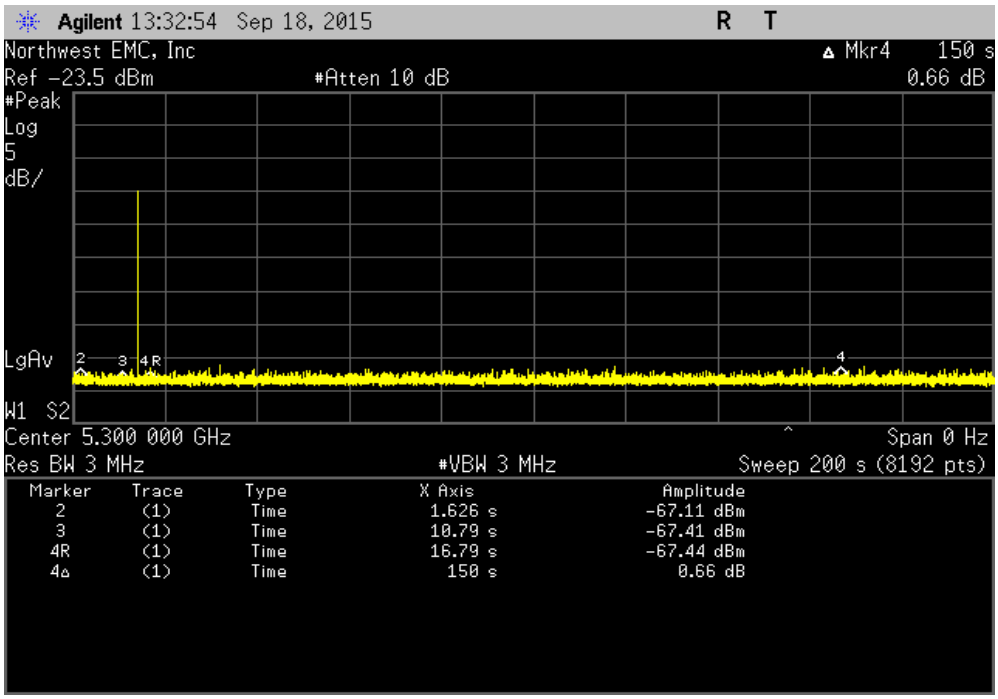
Monitor Radio, 5300 MHz, 48kHz Sampling Freuquency, Ending CAC						
				Value (Sec)	Limit (Sec)	Result
				> 150	≥ 150	PASS



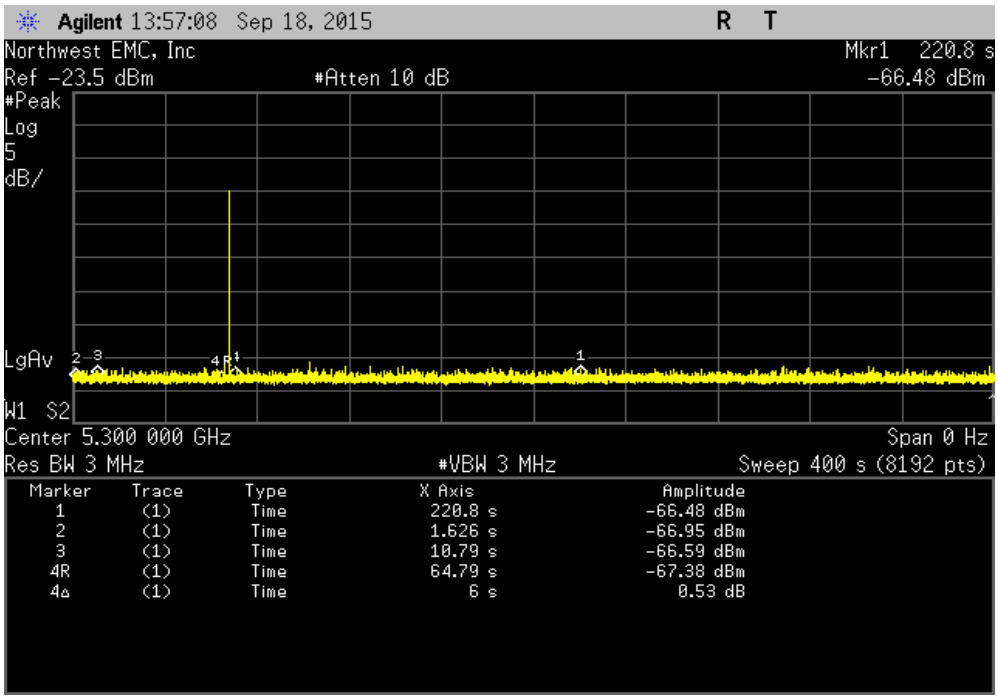
Monitor Radio, 5300 MHz, 96kHz Sampling Freuquency, Initial CAC						
				Value (Sec)	Limit (Sec)	Result
				74.164	≥ 60	PASS



Monitor Radio, 5300 MHz, 96kHz Sampling Freuquency, Beginning CAC						
				Value (Sec)	**Limit (Sec)**	**Result**
				> 150	≥ 150	PASS



Monitor Radio, 5300 MHz, 96kHz Sampling Freuquency, Ending CAC						
				Value (Sec)	**Limit (Sec)**	**Result**
				> 150	≥ 150	PASS



MOVE TIME - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master and client were connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. For master devices, the detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. Where required, an approved Media file was streamed between the master and client or an alternative method to load the channel may be used instead. Channel loading requirements were also verified prior to testing. Configuration and status of the master and client devices were then monitored using the spectrum analyzer. The Move Time test was performed by starting a transmission between the master and client device, and then injecting the appropriate radar signals and making sure both the master and client device vacate the DFS channel within the time specified by the standard.

MOVE TIME - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/23/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

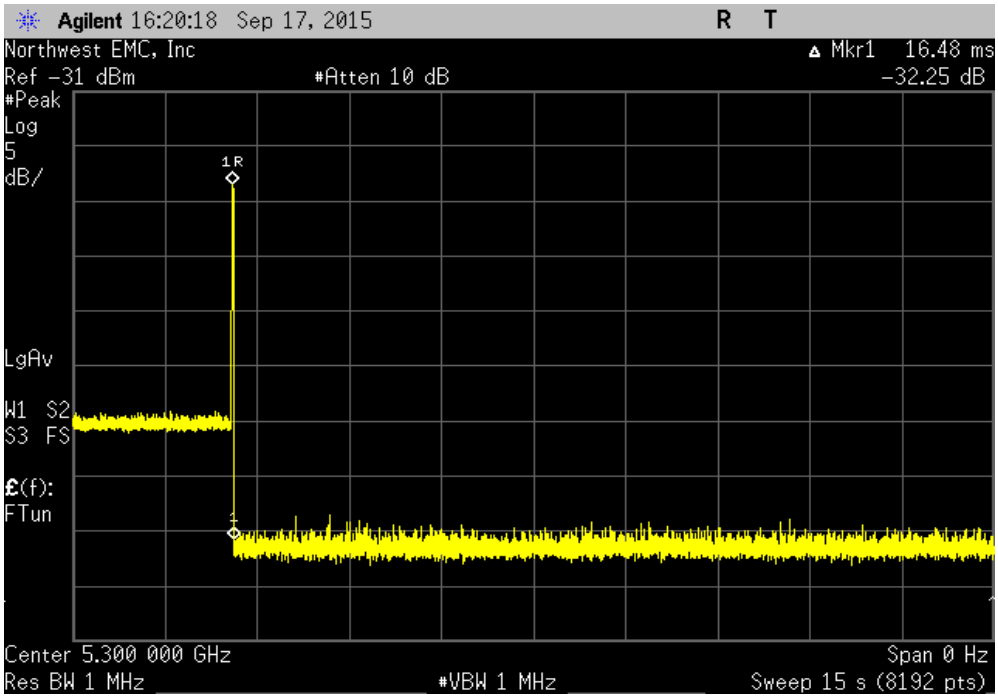
Configuration #	1	Signature

		Value	Limit	Result
Working Radio				
	5300 MHz			
	48kHz Sampling Frequency			
	Short Pulse Rader Type 0	.016 Sec	≤ 10 Sec	PASS
	96kHz Sampling Frequency			
	Short Pulse Rader Type 0	.018 Sec	≤ 10 Sec	PASS

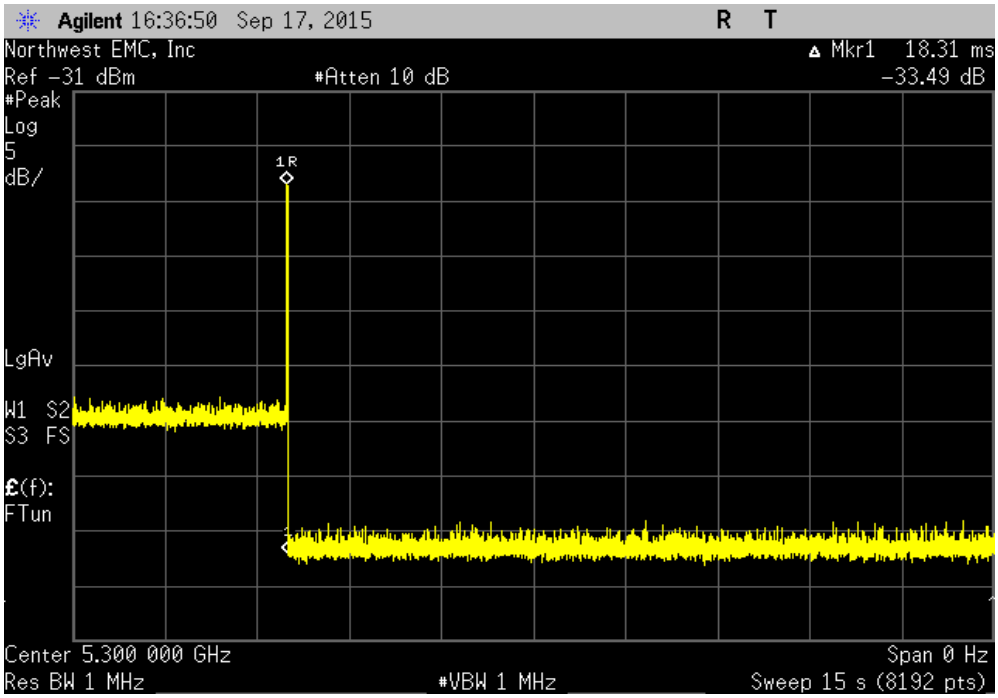
MOVE TIME - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 48kHz Sampling Frequency, Short Pulse Rader Type 0						
				Value	Limit	Result
				.016 Sec	≤ 10 Sec	PASS



Working Radio, 5300 MHz, 96kHz Sampling Frequency, Short Pulse Rader Type 0						
				Value	Limit	Result
				.018 Sec	≤ 10 Sec	PASS



CLOSING TIME - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master and client were connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. For master devices, the detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. Where required, an approved Media file was streamed through the master and client or an alternative method to load the channel may be used instead. Channel loading requirements were also verified prior to testing. Configuration and status of the master and client devices were then monitored using the spectrum analyzer. The Closing Time test was performed by starting a transmission between the master and client device, and then injecting the appropriate radar signals. All transmission signals between the master and client in the first 200mS are allowed. After this time period, the number of transmissions signals are counted and multiplied by the pulse width value(s). This aggregate is then added to the 200mS allowance for the final value and compared to the specified limit.

CLOSING TIME - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/23/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

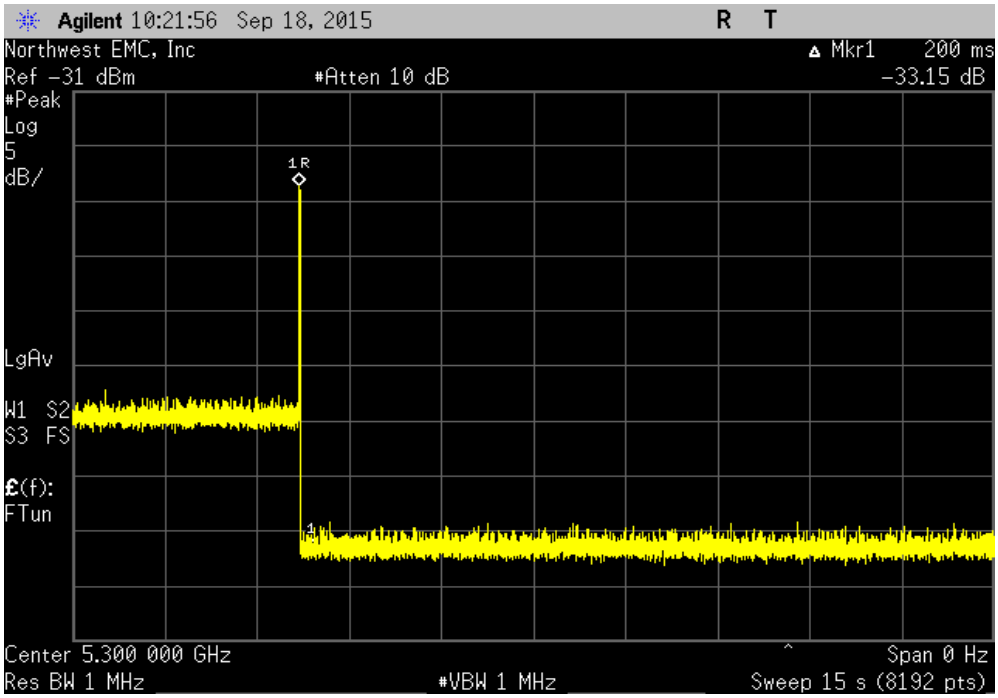
Configuration #	1	Signature

		# of Signals	Pulse Width	Value	Limit	Result
Working Radio						
	5300 MHz					
	48kHz Sampling Frequency					
	Radar Type 0 200mS	N/A	N/A	200mS	200mS	N/A
	Radar Type 0 Aggregate	0	N/A	200mS	260mS	PASS
	96kHz Sampling Frequency					
	Radar Type 0 200mS	N/A	N/A	200mS	200mS	N/A
	Radar Type 0 Aggregate	0	N/A	200mS	260mS	PASS

CLOSING TIME - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 48kHz Sampling Frequency, Radar Type 0 200mS						
# of Signals		**Pulse Width**		**Value**	**Limit**	**Result**
N/A		N/A		200mS	200mS	N/A

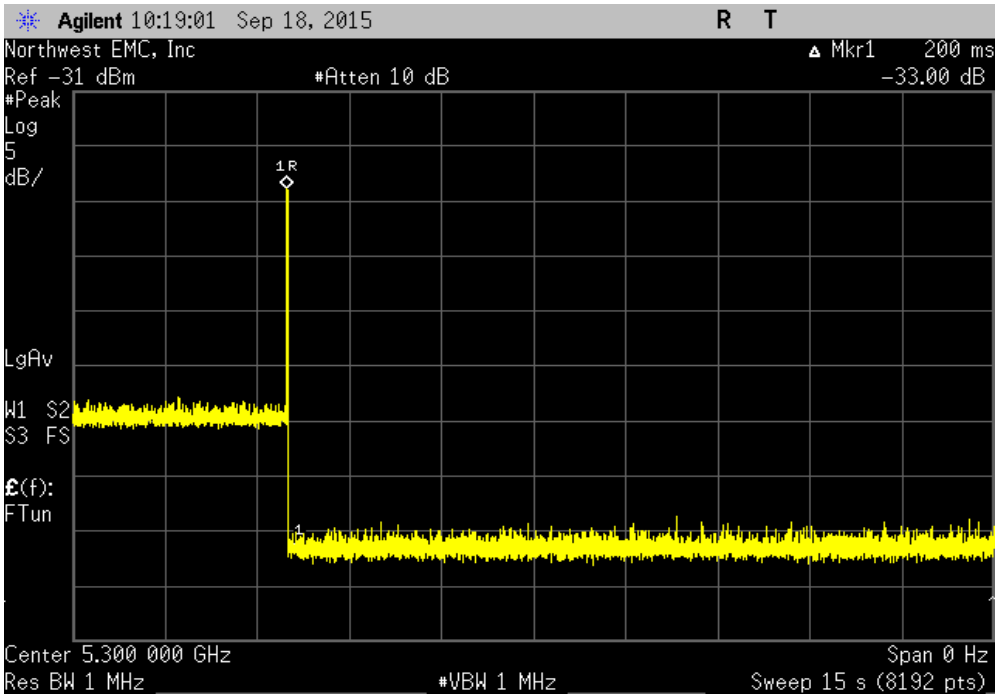


Working Radio, 5300 MHz, 48kHz Sampling Frequency, Radar Type 0 Aggregate						
# of Signals		**Pulse Width**		**Value**	**Limit**	**Result**
0		N/A		200mS	260mS	PASS

CLOSING TIME - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 96kHz Sampling Frequency, Radar Type 0 200mS						
# of Signals		**Pulse Width**		**Value**	**Limit**	**Result**
N/A		N/A		200mS	200mS	N/A



Working Radio, 5300 MHz, 96kHz Sampling Frequency, Radar Type 0 Aggregate						
# of Signals		**Pulse Width**		**Value**	**Limit**	**Result**
0		N/A		200mS	260mS	PASS

NON OCCUPANCY PERIOD - WORKING RADIO

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master and client were connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the communication and injected radar signals to be monitored simultaneously. The spectrum analyzer was configured to sweep the frequency for at least 30 minutes. The appropriate radar signal was injected and the channel was monitored to make sure the master and client devices vacated the channel and did not use it again for a period of time equal to or greater than 30 minutes.

NON OCCUPANCY PERIOD - WORKING RADIO

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/23/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

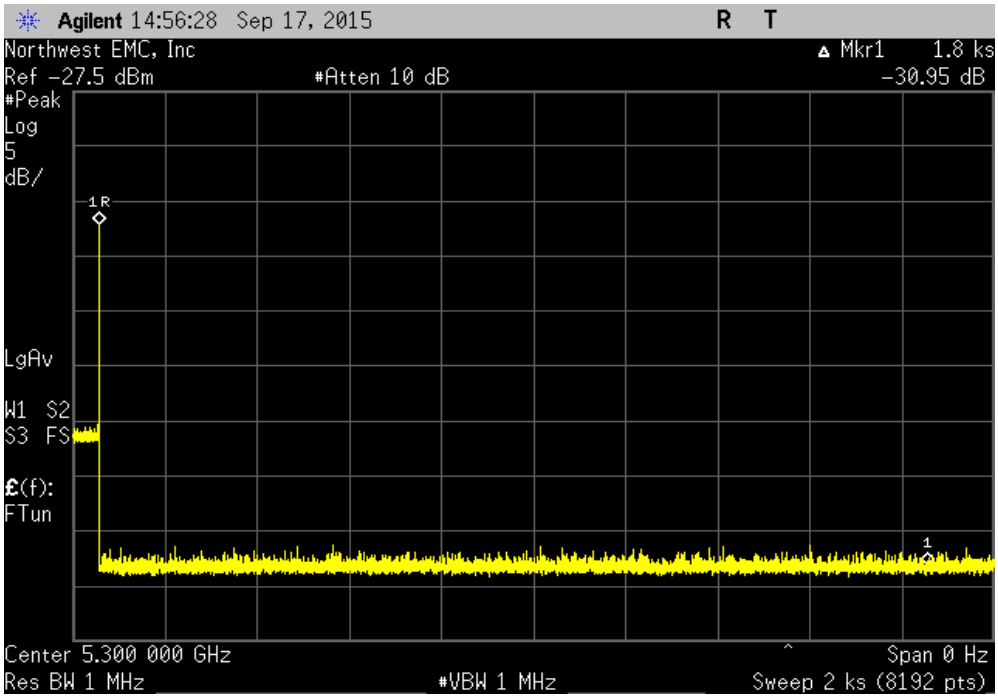
Configuration #	1	Signature

		Value	Limit	Result
Working Radio				
	5300 MHz			
	48kHz Sampling Frequency			
	30min Non Occupancy Period	> 30 min	≥ 30 min	PASS
	96kHz Sampling Frequency			
	30min Non Occupancy Period	> 30 min	≥ 30 min	PASS

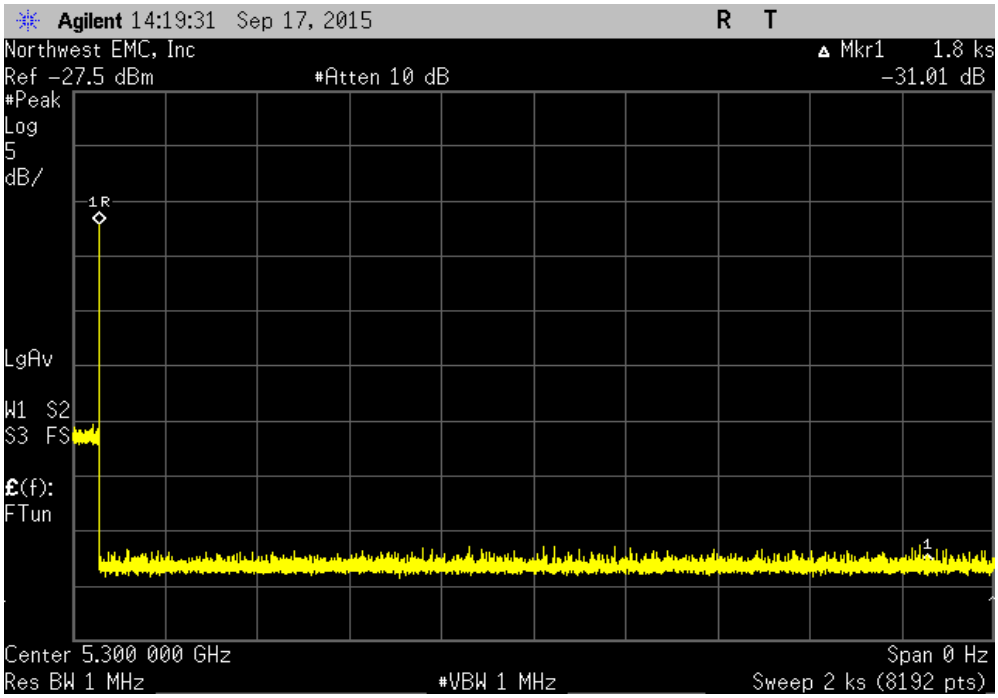
NON OCCUPANCY PERIOD - WORKING RADIO

XMit 2015.01.14

Working Radio, 5300 MHz, 48kHz Sampling Frequency, 30min Non Occupancy Period						
				Value	Limit	Result
				> 30 min	≥ 30 min	PASS



Working Radio, 5300 MHz, 96kHz Sampling Frequency, 30min Non Occupancy Period						
				Value	Limit	Result
				> 30 min	≥ 30 min	PASS



STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Generator - Signal	Agilent	V2920A	TIH	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master and client were connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. For master devices, the detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. Where required, an approved Media file was streamed between the master and client or an alternative method to load the channel may be used instead. Channel loading requirements were also verified prior to testing. Configuration and status of the master and client devices were then monitored with the spectrum analyzer. Essentially, a move time test is performed on all the necessary radar types to make sure the master and client vacate the channel when a radar signal is injected. Numerous trials are performed for each radar type to establish a statistical analysis of detection probability, and the guidelines of section 7.8.4 of the procedure were used to calculate the data and determine if the results passed. For Radar Type 1 Test A and Radar Type 1 Test B, the trials were done as one test with the first 15 trials on Test A and the second 15 trials on Test B.

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/24/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

Configuration #	1	Signature

						Value	Limit	Result
Monitor Radio								
	48 kHz Sampling Frequency							
	5300 MHz							
	Radar 1A, Radar 1B					100.0%	60.0%	PASS
	Radar 2					86.7%	60.0%	PASS
	Radar 3					96.7%	60.0%	PASS
	Radar 4					93.3%	60.0%	PASS
	Radar 1-4 Summary	100.0%	86.7%	96.7%	93.3%	94.2%	80.0%	PASS
	Radar 5					100.0%	80.0%	PASS
	Radar 6					100.0%	70.0%	PASS

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Monitor Radio, 48 kHz Sampling Frequency, 5300 MHz,Radar 1A, Radar 1B

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Monitor Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 2

				Value	Limit	Result
				86.7%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	28	3.100 us	214.000 us
2	FAIL	23	4.500 us	224.000 us
3	PASS	27	3.800 us	160.000 us
4	PASS	28	3.200 us	228.000 us
5	PASS	27	2.600 us	198.000 us
6	PASS	28	2.400 us	192.000 us
7	PASS	23	1.900 us	164.000 us
8	FAIL	23	4.000 us	155.000 us
9	PASS	27	1.800 us	155.000 us
10	PASS	23	3.700 us	172.000 us
11	PASS	25	1.700 us	206.000 us
12	PASS	25	3.400 us	160.000 us
13	PASS	23	4.400 us	151.000 us
14	PASS	28	1.600 us	180.000 us
15	FAIL	26	5.000 us	150.000 us
16	PASS	28	4.100 us	155.000 us
17	PASS	25	1.600 us	172.000 us
18	PASS	29	2.400 us	204.000 us
19	PASS	27	4.500 us	221.000 us
20	PASS	29	2.300 us	210.000 us
21	FAIL	26	4.700 us	152.000 us
22	PASS	29	3.300 us	222.000 us
23	PASS	24	1.600 us	191.000 us
24	PASS	27	4.900 us	218.000 us
25	PASS	23	3.300 us	169.000 us
26	PASS	23	4.800 us	184.000 us
27	PASS	29	2.000 us	150.000 us
28	PASS	27	1.900 us	198.000 us
29	PASS	28	2.500 us	224.000 us
30	PASS	28	3.200 us	192.000 us

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Monitor Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 3

				Value	Limit	Result
				96.7%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	17	6.200 us	446.000 us
2	PASS	18	9.100 us	357.000 us
3	PASS	16	9.300 us	456.000 us
4	PASS	17	7.000 us	268.000 us
5	PASS	16	9.600 us	205.000 us
6	PASS	16	6.600 us	244.000 us
7	PASS	17	8.300 us	357.000 us
8	PASS	17	9.800 us	368.000 us
9	PASS	18	6.600 us	485.000 us
10	PASS	18	6.200 us	268.000 us
11	FAIL	16	8.300 us	500.000 us
12	PASS	17	8.900 us	288.000 us
13	PASS	18	9.400 us	460.000 us
14	PASS	16	8.000 us	375.000 us
15	PASS	17	7.800 us	208.000 us
16	PASS	17	8.800 us	278.000 us
17	PASS	18	6.600 us	383.000 us
18	PASS	16	8.000 us	480.000 us
19	PASS	17	9.000 us	298.000 us
20	PASS	18	7.700 us	418.000 us
21	PASS	17	8.500 us	412.000 us
22	PASS	17	6.000 us	396.000 us
23	PASS	18	6.900 us	202.000 us
24	PASS	17	9.200 us	448.000 us
25	PASS	17	10.000 us	325.000 us
26	PASS	16	9.600 us	259.000 us
27	PASS	17	6.400 us	335.000 us
28	PASS	18	9.100 us	471.000 us
29	PASS	16	7.200 us	294.000 us
30	PASS	16	8.100 us	367.000 us

Monitor Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 4

				Value	Limit	Result
				93.3%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	14	14.200 us	459.000 us
2	PASS	16	11.400 us	262.000 us
3	PASS	15	15.700 us	323.000 us
4	FAIL	14	16.200 us	208.000 us
5	PASS	15	11.000 us	468.000 us
6	PASS	13	16.100 us	335.000 us
7	PASS	15	19.700 us	270.000 us
8	PASS	14	18.800 us	481.000 us
9	PASS	14	18.900 us	366.000 us
10	PASS	14	18.000 us	408.000 us
11	PASS	16	15.600 us	264.000 us
12	PASS	12	11.900 us	222.000 us
13	PASS	15	12.300 us	492.000 us
14	PASS	12	18.000 us	416.000 us
15	PASS	13	18.500 us	323.000 us
16	PASS	14	15.100 us	472.000 us
17	PASS	14	17.000 us	453.000 us
18	PASS	15	17.200 us	273.000 us
19	PASS	13	19.800 us	352.000 us
20	PASS	16	19.500 us	381.000 us
21	FAIL	12	19.700 us	491.000 us
22	PASS	14	12.300 us	418.000 us
23	PASS	12	13.100 us	374.000 us
24	PASS	13	15.400 us	256.000 us
25	PASS	16	18.900 us	247.000 us
26	PASS	12	18.500 us	487.000 us
27	PASS	16	19.400 us	265.000 us
28	PASS	16	13.700 us	290.000 us
29	PASS	12	11.200 us	388.000 us
30	PASS	13	17.700 us	494.000 us

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

XMit 2015.01.14

Monitor Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 1-4 Summary						
				Value	**Limit**	**Result**
100%	86.70%	96.70%	93.30%	94.18%	80%	PASS

Monitor Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 5						
				Value	**Limit**	**Result**
				100%	80.00%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

XMit 2015.01.14

Monitor Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 6						
				Value	**Limit**	**Result**
				100%	70.00%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.3E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.3E+09	YES	14000000	1	244498	244498	50.1	5635.9	545856	5686	5686	43
2	5.3E+09	YES	19000000	1	1575022	778982	76.9	1893.1	0	1970	---	---
2	5.3E+09	YES	19000000	2	1576992	0	76.9	3639.1	11372	3716	5686	137
3	5.3E+09	YES	5000000	1	2160680	568600	93	1819	0	1912	---	---
3	5.3E+09	YES	5000000	2	2162592	0	93	1857	0	1950	---	---
3	5.3E+09	YES	5000000	3	2164542	0	93	1731	221754	1824	5686	100
4	5.3E+09	YES	20000000	1	3030638	642518	76.1	1296.9	0	1373	---	---
4	5.3E+09	YES	20000000	2	3032011	0	76.1	4236.9	147836	4313	5686	113
5	5.3E+09	YES	6000000	1	3843736	659576	66.7	1929.3	0	1996	---	---
5	5.3E+09	YES	6000000	2	3845732	0	66.7	3623.3	130778	3690	5686	116
6	5.3E+09	YES	12000000	1	4122350	142150	80.4	1908.6	0	1989	---	---
6	5.3E+09	YES	12000000	2	4124339	0	80.4	3616.6	648204	3697	5686	25

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.301E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.301E+09	YES	8000000	1	104454	104454	75.6	1163.4	0	1239	---	---
1	5.301E+09	YES	8000000	2	105693	0	75.6	3659.4	636672	3735	4974	21
2	5.301E+09	YES	18000000	1	1183812	437712	92.7	1181.3	0	1274	---	---
2	5.301E+09	YES	18000000	2	1185086	0	92.7	3607.3	303414	3700	4974	88
3	5.301E+09	YES	14000000	1	1586706	94506	54	4920	646620	4974	4974	19
4	5.301E+09	YES	8000000	1	2919738	681438	71.7	1304.3	0	1376	---	---
4	5.301E+09	YES	8000000	2	2921114	0	71.7	3526.3	59688	3598	4974	137
5	5.301E+09	YES	11000000	1	3128646	144246	73.7	1146.3	0	1220	---	---
5	5.301E+09	YES	11000000	2	3129866	0	73.7	1869.3	0	1943	---	---
5	5.301E+09	YES	11000000	3	3131809	0	73.7	1737.3	596880	1811	4974	29
6	5.301E+09	YES	13000000	1	4426860	696360	72.9	1658.1	0	1731	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.303E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.303E+09	YES	16000000	1	594960	594960	64.6	5295.4	728960	5360	5360	111
2	5.303E+09	YES	12000000	1	2256560	927280	55.9	1394.1	0	1450	---	---
2	5.303E+09	YES	12000000	2	2258010	0	55.9	1516.1	0	1572	---	---
2	5.303E+09	YES	12000000	3	2259582	0	55.9	2282.1	396640	2338	5360	173
3	5.303E+09	YES	18000000	1	3258880	600320	73.2	5286.8	723600	5360	5360	112
4	5.303E+09	YES	19000000	1	4722160	734320	54.8	1938.2	0	1993	---	---
4	5.303E+09	YES	19000000	2	4724153	0	54.8	3312.2	589600	3367	5360	137
5	5.303E+09	YES	13000000	1	5563680	246560	62.7	1418.3	0	1481	---	---
5	5.303E+09	YES	13000000	2	5565161	0	62.7	1715.3	0	1778	---	---
5	5.303E+09	YES	13000000	3	5566939	0	62.7	2038.3	1077360	2101	5360	46

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.304E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.304E+09	YES	14000000	1	666678	666678	73.2	4757.8	415466	4831	4831	138
2	5.304E+09	YES	8000000	1	1231905	144930	55	1347	0	1402	---	---
2	5.304E+09	YES	8000000	2	1233307	0	55	1065	0	1120	---	---
2	5.304E+09	YES	8000000	3	1234427	0	55	2254	937214	2309	4831	30
3	5.304E+09	YES	15000000	1	2454148	280198	81.3	1519.7	0	1601	---	---
3	5.304E+09	YES	15000000	2	2455749	0	81.3	1315.7	0	1397	---	---
3	5.304E+09	YES	15000000	3	2457146	0	81.3	1751.7	801946	1833	4831	58
4	5.304E+09	YES	9000000	1	3753687	492762	67.8	1909.2	0	1977	---	---
4	5.304E+09	YES	9000000	2	3755664	0	67.8	1466.2	0	1534	---	---
4	5.304E+09	YES	9000000	3	3757198	0	67.8	1252.2	589382	1320	4831	102
5	5.304E+09	YES	11000000	1	4434858	86958	91.2	4739.8	995186	4831	4831	18
6	5.304E+09	YES	8000000	1	5942130	507255	93	1052	0	1145	---	---
6	5.304E+09	YES	8000000	2	5943275	0	93	1548	0	1641	---	---
6	5.304E+09	YES	8000000	3	5944916	0	93	1952	574889	2045	4831	105
7	5.304E+09	YES	12000000	1	7159542	637692	79.2	1370.8	0	1450	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.305E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.305E+09	YES	19000000	1	467973	467973	50.8	1791.2	0	1842	---	---
1	5.305E+09	YES	19000000	2	469815	0	50.8	1755.2	0	1806	---	---
1	5.305E+09	YES	19000000	3	471621	0	50.8	1680.2	322740	1731	5379	87
2	5.305E+09	YES	19000000	1	1463088	666996	75.9	5303.1	123717	5379	5379	124
3	5.305E+09	YES	13000000	1	1791207	199023	84	1423	0	1507	---	---
3	5.305E+09	YES	13000000	2	1792714	0	84	3788	591690	3872	5379	37
4	5.305E+09	YES	6000000	1	3071409	683133	73	5306	107580	5379	5379	127
5	5.305E+09	YES	17000000	1	3856743	672375	73.1	1096.9	0	1170	---	---
5	5.305E+09	YES	17000000	2	3857913	0	73.1	4135.9	118338	4209	5379	125
6	5.305E+09	YES	8000000	1	4335474	355014	94.1	1417.9	0	1512	---	---
6	5.305E+09	YES	8000000	2	4336986	0	94.1	3772.9	435699	3867	5379	66
7	5.305E+09	YES	12000000	1	4986333	209781	68.3	1224.7	0	1293	---	---
7	5.305E+09	YES	12000000	2	4987626	0	68.3	1483.7	0	1552	---	---
7	5.305E+09	YES	12000000	3	4989178	0	68.3	2465.7	580932	2534	5379	39
8	5.305E+09	YES	9000000	1	5771667	199023	64.9	1287.1	0	1352	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.306E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.306E+09	YES	10000000	1	273701	273701	68.2	1545.8	0	1614	---	---
1	5.306E+09	YES	10000000	2	275315	0	68.2	2956.8	519568	3025	4639	59
2	5.306E+09	YES	10000000	1	1507675	709767	97	1446	0	1543	---	---
2	5.306E+09	YES	10000000	2	1509218	0	97	2999	83502	3096	4639	153
3	5.306E+09	YES	14000000	1	2008687	412871	57.8	1537.2	0	1595	---	---
3	5.306E+09	YES	14000000	2	2010282	0	57.8	2986.2	380398	3044	4639	89
4	5.306E+09	YES	12000000	1	2398363	4639	94	4545	788630	4639	4639	1
5	5.306E+09	YES	17000000	1	3428221	236589	77.1	986.9	0	1064	---	---
5	5.306E+09	YES	17000000	2	3429285	0	77.1	3497.9	556680	3575	4639	51

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.306E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.306E+09	YES	10000000	1	891756	891756	72.1	1640.9	0	1713	---	---
1	5.306E+09	YES	10000000	2	893469	0	72.1	959.9	0	1032	---	---
1	5.306E+09	YES	10000000	3	894501	0	72.1	1490.9	193860	1563	4308	207
2	5.306E+09	YES	19000000	1	1443180	353256	72	4236	732360	4308	4308	82
3	5.306E+09	YES	9000000	1	3118992	939144	55.6	1554.4	0	1610	---	---
3	5.306E+09	YES	9000000	2	3120602	0	55.6	2642.4	146472	2698	4308	218
4	5.306E+09	YES	19000000	1	4032288	762516	55.4	4252.6	323100	4308	4308	177
5	5.306E+09	YES	19000000	1	5255760	896064	88.6	4219.4	189552	4308	4308	208
6	5.306E+09	YES	7000000	1	5962272	512652	56.9	1012.1	0	1069	---	---
6	5.306E+09	YES	7000000	2	5963341	0	56.9	1003.1	0	1060	---	---
6	5.306E+09	YES	7000000	3	5964401	0	56.9	2122.1	572964	2179	4308	119
7	5.306E+09	YES	14000000	1	7030656	491112	55.4	1745.6	0	1801	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.305E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.305E+09	YES	17000000	1	640912	640912	79.9	991.1	0	1071	---	---
1	5.305E+09	YES	17000000	2	641983	0	79.9	2757.1	152412	2837	3908	164
2	5.305E+09	YES	17000000	1	1281824	484592	61.9	1149.1	0	1211	---	---
2	5.305E+09	YES	17000000	2	1283035	0	61.9	1516.1	0	1578	---	---
2	5.305E+09	YES	17000000	3	1284613	0	61.9	1057.1	308732	1119	3908	124
3	5.305E+09	YES	19000000	1	1938368	343904	50.9	1726.1	0	1777	---	---
3	5.305E+09	YES	19000000	2	1940145	0	50.9	2080.1	449420	2131	3908	88
4	5.305E+09	YES	20000000	1	2630084	238388	95.6	3812.4	554936	3908	3908	61
5	5.305E+09	YES	10000000	1	3880644	691716	75.8	1755.2	0	1831	---	---
5	5.305E+09	YES	10000000	2	3882475	0	75.8	2001.2	101608	2077	3908	177
6	5.305E+09	YES	6000000	1	4076044	89884	50.3	950.7	0	1001	---	---
6	5.305E+09	YES	6000000	2	4077045	0	50.3	2856.7	703440	2907	3908	23
7	5.305E+09	YES	17000000	1	5021780	238388	55.6	1790.4	0	1846	---	---
7	5.305E+09	YES	17000000	2	5023626	0	55.6	2006.4	554936	2062	3908	61

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.304E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.304E+09	YES	14000000	1	333641	333641	88	1446	0	1534	---	---
1	5.304E+09	YES	14000000	2	335175	0	88	2711	459298	2799	4333	77
2	5.304E+09	YES	6000000	1	896931	99659	82	1569	0	1651	---	---
2	5.304E+09	YES	6000000	2	898582	0	82	2600	693280	2682	4333	23
3	5.304E+09	YES	16000000	1	1620542	25998	97.6	1886.4	0	1984	---	---
3	5.304E+09	YES	16000000	2	1622526	0	97.6	2251.4	766941	2349	4333	6
4	5.304E+09	YES	13000000	1	2729790	337974	83.9	4249.1	454965	4333	4333	78
5	5.304E+09	YES	11000000	1	3847704	658616	74.4	979.6	0	1054	---	---
5	5.304E+09	YES	11000000	2	3848758	0	74.4	3204.6	134323	3279	4333	152

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.303E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.303E+09	YES	7000000	1	397996	397996	86.7	5365.3	223532	5452	5452	73
2	5.303E+09	YES	13000000	1	1243056	616076	69.9	1237.1	0	1307	---	---
2	5.303E+09	YES	13000000	2	1244363	0	69.9	4075.1	5452	4145	5452	113
3	5.303E+09	YES	11000000	1	1390260	136300	99.7	5352.3	485228	5452	5452	25
4	5.303E+09	YES	9000000	1	2229868	348928	90.5	1444.5	0	1535	---	---
4	5.303E+09	YES	9000000	2	2231403	0	90.5	3826.5	272600	3917	5452	64
5	5.303E+09	YES	17000000	1	2540632	32712	55.2	1030.8	0	1086	---	---
5	5.303E+09	YES	17000000	2	2541718	0	55.2	1823.8	0	1879	---	---
5	5.303E+09	YES	17000000	3	2543597	0	55.2	2431.8	588816	2487	5452	6

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.302E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.302E+09	YES	5000000	1	162760	162760	78.8	955.2	0	1034	---	---
1	5.302E+09	YES	5000000	2	163794	0	78.8	998.2	0	1077	---	---
1	5.302E+09	YES	5000000	3	164871	0	78.8	1879.2	687661	1958	4069	40
2	5.302E+09	YES	17000000	1	1647945	793455	67	1509	0	1576	---	---
2	5.302E+09	YES	17000000	2	1649521	0	67	2426	56966	2493	4069	195
3	5.302E+09	YES	12000000	1	2185053	476073	57.7	974.3	0	1032	---	---
3	5.302E+09	YES	12000000	2	2186085	0	57.7	2979.3	374348	3037	4069	117
4	5.302E+09	YES	16000000	1	2571608	8138	90.6	1220.4	0	1311	---	---
4	5.302E+09	YES	16000000	2	2572919	0	90.6	2667.4	842283	2758	4069	2
5	5.302E+09	YES	8000000	1	3609203	191243	77.6	1066.4	0	1144	---	---
5	5.302E+09	YES	8000000	2	3610347	0	77.6	1170.4	0	1248	---	---
5	5.302E+09	YES	8000000	3	3611595	0	77.6	1599.4	659178	1677	4069	47
6	5.302E+09	YES	16000000	1	4858386	585936	84.9	1647.1	0	1732	---	---
6	5.302E+09	YES	16000000	2	4860118	0	84.9	2252.1	264485	2337	4069	144

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.301E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.301E+09	YES	19000000	1	321630	321630	89.7	4440.3	421290	4530	4530	71
2	5.301E+09	YES	15000000	1	1195920	448470	98.4	1262.6	0	1361	---	---
2	5.301E+09	YES	15000000	2	1197281	0	98.4	3070.6	294450	3169	4530	99
3	5.301E+09	YES	8000000	1	1870890	375990	89.6	1619.4	0	1709	---	---
3	5.301E+09	YES	8000000	2	1872599	0	89.6	984.4	0	1074	---	---
3	5.301E+09	YES	8000000	3	1873673	0	89.6	1657.4	366930	1747	4530	83
4	5.301E+09	YES	17000000	1	2260470	18120	50.1	1297.9	0	1348	---	---
4	5.301E+09	YES	17000000	2	2261818	0	50.1	1763.9	0	1814	---	---
4	5.301E+09	YES	17000000	3	2263632	0	50.1	1317.9	724800	1368	4530	4
5	5.301E+09	YES	19000000	1	3705540	715740	88.2	4441.8	27180	4530	4530	158
6	5.301E+09	YES	9000000	1	4190250	453000	55.3	1347.7	0	1403	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.301E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.301E+09	YES	17000000	1	283461	283461	82.5	1016.5	0	1099	---	---
1	5.301E+09	YES	17000000	2	284560	0	82.5	1526.5	0	1609	---	---
1	5.301E+09	YES	17000000	3	286169	0	82.5	2182.5	566922	2265	4973	57
2	5.301E+09	YES	13000000	1	1094060	238704	81.4	4891.6	611679	4973	4973	48
3	5.301E+09	YES	16000000	1	2262715	552003	56.6	1829.4	0	1886	---	---
3	5.301E+09	YES	16000000	2	2264601	0	56.6	3030.4	298380	3087	4973	111
4	5.301E+09	YES	17000000	1	3093206	527138	88.2	979.8	0	1068	---	---
4	5.301E+09	YES	17000000	2	3094274	0	88.2	3816.8	323245	3905	4973	106
5	5.301E+09	YES	7000000	1	3605425	184001	92.4	4880.6	666382	4973	4973	37
6	5.301E+09	YES	11000000	1	4580133	303353	87.3	1562.7	0	1650	---	---
6	5.301E+09	YES	11000000	2	4581783	0	87.3	3235.7	547030	3323	4973	61

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.302E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.302E+09	YES	12000000	1	353034	353034	87.2	1465.8	0	1553	---	---
1	5.302E+09	YES	12000000	2	354587	0	87.2	3708.8	561645	3796	5349	66
2	5.302E+09	YES	11000000	1	1599351	679323	58.9	5290.1	235356	5349	5349	127
3	5.302E+09	YES	13000000	1	2369607	529551	68.1	937.9	0	1006	---	---
3	5.302E+09	YES	13000000	2	2370613	0	68.1	4274.9	385128	4343	5349	99
4	5.302E+09	YES	8000000	1	3070326	310242	62.9	5286.1	604437	5349	5349	58
5	5.302E+09	YES	9000000	1	4054542	374430	58.5	1403.5	0	1462	---	---
5	5.302E+09	YES	9000000	2	4056004	0	58.5	3828.5	540249	3887	5349	70
6	5.302E+09	YES	8000000	1	5065503	465363	59.3	1156.7	0	1216	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.303E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.303E+09	YES	7000000	1	892782	892782	54	3620	191048	3674	3674	243
2	5.303E+09	YES	12000000	1	1396120	308616	71.7	1297.3	0	1369	---	---
2	5.303E+09	YES	12000000	2	1397489	0	71.7	2233.3	775214	2305	3674	84
3	5.303E+09	YES	16000000	1	3042072	867064	79.4	1222.6	0	1302	---	---
3	5.303E+09	YES	16000000	2	3043374	0	79.4	2292.6	216766	2372	3674	236
4	5.303E+09	YES	9000000	1	3817286	554774	50.8	3623.2	529056	3674	3674	151
5	5.303E+09	YES	16000000	1	4790896	440880	74.8	1862.2	0	1937	---	---
5	5.303E+09	YES	16000000	2	4792833	0	74.8	1662.2	642950	1737	3674	120
6	5.303E+09	YES	8000000	1	6036382	598862	58.4	1142.6	0	1201	---	---
6	5.303E+09	YES	8000000	2	6037583	0	58.4	2414.6	484968	2473	3674	163
7	5.303E+09	YES	13000000	1	6638918	113894	62	3612	969936	3674	3674	31

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.299E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.299E+09	YES	13000000	1	213427	213427	87.3	1680.7	0	1768	---	---
1	5.299E+09	YES	13000000	2	215195	0	87.3	2685.7	531297	2773	4541	47
2	5.299E+09	YES	19000000	1	876413	127148	82.8	1732.2	0	1815	---	---
2	5.299E+09	YES	19000000	2	878228	0	82.8	2643.2	617576	2726	4541	28
3	5.299E+09	YES	13000000	1	2229631	731101	54.7	1698.3	0	1753	---	---
3	5.299E+09	YES	13000000	2	2231384	0	54.7	2733.3	13623	2788	4541	161
4	5.299E+09	YES	16000000	1	2561124	313329	67.1	1347.9	0	1415	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.298E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.298E+09	YES	18000000	1	778977	778977	78.9	1026.1	0	1105	---	---
1	5.298E+09	YES	18000000	2	780082	0	78.9	3217.1	545724	3296	4401	177
2	5.298E+09	YES	9000000	1	1535949	206847	96.5	1887.5	0	1984	---	---
2	5.298E+09	YES	9000000	2	1537933	0	96.5	956.5	0	1053	---	---
2	5.298E+09	YES	9000000	3	1538986	0	96.5	1267.5	1117854	1364	4401	47
3	5.298E+09	YES	19000000	1	3688038	1029834	68.1	1791.9	0	1860	---	---
3	5.298E+09	YES	19000000	2	3689898	0	68.1	2472.9	294867	2541	4401	234
4	5.298E+09	YES	15000000	1	4590243	602937	74.1	4326.9	721764	4401	4401	137
5	5.298E+09	YES	19000000	1	5492448	176040	56.1	4344.9	1148661	4401	4401	40

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.297E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.297E+09	YES	14000000	1	84864	84864	67.1	1739.9	0	1807	---	---
1	5.297E+09	YES	14000000	2	86671	0	67.1	1296.9	0	1364	---	---
1	5.297E+09	YES	14000000	3	88035	0	67.1	2065.9	615264	2133	5304	16
2	5.297E+09	YES	11000000	1	1007760	302328	60.8	1272.2	0	1333	---	---
2	5.297E+09	YES	11000000	2	1009093	0	60.8	3910.2	397800	3971	5304	57
3	5.297E+09	YES	17000000	1	1516944	106080	84.7	5219.3	594048	5304	5304	20
4	5.297E+09	YES	17000000	1	2667912	551616	83.8	5220.2	148512	5304	5304	104
5	5.297E+09	YES	7000000	1	2832336	10608	85.4	1245.6	0	1331	---	---
5	5.297E+09	YES	7000000	2	2833667	0	85.4	3887.6	689520	3973	5304	2
6	5.297E+09	YES	6000000	1	3707496	180336	84.9	1779.1	0	1864	---	---
6	5.297E+09	YES	6000000	2	3709360	0	84.9	3355.1	519792	3440	5304	34
7	5.297E+09	YES	18000000	1	4540224	307632	66.6	1091.4	0	1158	---	---
7	5.297E+09	YES	18000000	2	4541382	0	66.6	4079.4	392496	4146	5304	58
8	5.297E+09	YES	11000000	1	5457816	519792	76.5	1253.5	0	1330	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.296E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.296E+09	YES	9000000	1	442170	442170	75.9	1468.1	0	1544	---	---
1	5.296E+09	YES	9000000	2	443714	0	75.9	1322.1	0	1398	---	---
1	5.296E+09	YES	9000000	3	445112	0	75.9	1895.1	643603	1971	4913	90
2	5.296E+09	YES	5000000	1	1896418	805732	53	4860	280041	4913	4913	164
3	5.296E+09	YES	18000000	1	3011669	830297	62.7	1293.3	0	1356	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.295E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.295E+09	YES	9000000	1	233728	233728	92.6	1672.4	0	1765	---	---
1	5.295E+09	YES	9000000	2	235493	0	92.6	1794.4	850916	1887	3652	64
2	5.295E+09	YES	9000000	1	1365848	277552	77.7	1718.3	0	1796	---	---
2	5.295E+09	YES	9000000	2	1367644	0	77.7	1778.3	807092	1856	3652	76
3	5.295E+09	YES	15000000	1	2771868	595276	82.1	1787.9	0	1870	---	---
3	5.295E+09	YES	15000000	2	2773738	0	82.1	1699.9	489368	1782	3652	163
4	5.295E+09	YES	9000000	1	3498616	233728	50.2	1566.8	0	1617	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.294E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.294E+09	YES	19000000	1	162510	162510	56.6	1431.4	0	1488	---	---
1	5.294E+09	YES	19000000	2	163998	0	56.6	3872.4	1327165	3929	5417	30
2	5.294E+09	YES	10000000	1	2697666	1202574	70.2	5346.8	287101	5417	5417	222
3	5.294E+09	YES	20000000	1	3309787	319603	52.5	1607.5	0	1660	---	---
3	5.294E+09	YES	20000000	2	3311447	0	52.5	950.5	0	1003	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.293E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.293E+09	YES	8000000	1	10906	10906	91.4	1726.6	0	1818	---	---
1	5.293E+09	YES	8000000	2	12724	0	91.4	1856.6	0	1948	---	---
1	5.293E+09	YES	8000000	3	14672	0	91.4	1595.6	779779	1687	5453	2
2	5.293E+09	YES	6000000	1	1368703	572565	96.7	5356.3	218120	5453	5453	105
3	5.293E+09	YES	12000000	1	2377508	785232	73.1	1117.9	0	1191	---	---
3	5.293E+09	YES	12000000	2	2378699	0	73.1	4188.9	5453	4262	5453	144
4	5.293E+09	YES	9000000	1	2906449	518035	84.1	1082.9	0	1167	---	---
4	5.293E+09	YES	9000000	2	2907616	0	84.1	4201.9	272650	4286	5453	95
5	5.293E+09	YES	14000000	1	3740758	556206	63.3	1676.7	0	1740	---	---
5	5.293E+09	YES	14000000	2	3742498	0	63.3	1737.7	0	1801	---	---
5	5.293E+09	YES	14000000	3	3744299	0	63.3	1848.7	234479	1912	5453	102
6	5.293E+09	YES	14000000	1	4089750	109060	55.1	1778.9	0	1834	---	---
6	5.293E+09	YES	14000000	2	4091584	0	55.1	3563.9	681625	3619	5453	20

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.294E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.294E+09	YES	12000000	1	105455	105455	79.7	978.3	0	1058	---	---
1	5.294E+09	YES	12000000	2	106513	0	79.7	3447.3	518105	3527	4585	23
2	5.294E+09	YES	18000000	1	1169175	541030	67.2	1073.8	0	1141	---	---
2	5.294E+09	YES	18000000	2	1170316	0	67.2	1146.8	0	1214	---	---
2	5.294E+09	YES	18000000	3	1171530	0	67.2	2162.8	82530	2230	4585	118
3	5.294E+09	YES	18000000	1	1292970	36680	95.1	1895.9	0	1991	---	---
3	5.294E+09	YES	18000000	2	1294961	0	95.1	2498.9	586880	2594	4585	8
4	5.294E+09	YES	18000000	1	1966965	82530	90.2	1047.8	0	1138	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.295E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.295E+09	YES	9000000	1	556752	556752	94.7	1783.3	0	1878	---	---
1	5.295E+09	YES	9000000	2	558630	0	94.7	2998.3	233637	3093	4971	112
2	5.295E+09	YES	19000000	1	1386909	591549	91.2	1742.8	0	1834	---	---
2	5.295E+09	YES	19000000	2	1388743	0	91.2	3045.8	198840	3137	4971	119
3	5.295E+09	YES	16000000	1	1923777	333057	81	1284	0	1365	---	---
3	5.295E+09	YES	16000000	2	1925142	0	81	1317	0	1398	---	---
3	5.295E+09	YES	16000000	3	1926540	0	81	2127	457332	2208	4971	67
4	5.295E+09	YES	19000000	1	3057165	671085	52.1	1264.9	0	1317	---	---
4	5.295E+09	YES	19000000	2	3058482	0	52.1	1135.9	0	1188	---	---
4	5.295E+09	YES	19000000	3	3059670	0	52.1	2413.9	119304	2466	4971	135
5	5.295E+09	YES	19000000	1	3946974	765534	99.9	1569.1	0	1669	---	---
5	5.295E+09	YES	19000000	2	3948643	0	99.9	1298.1	0	1398	---	---
5	5.295E+09	YES	19000000	3	3950041	0	99.9	1804.1	24855	1904	4971	154
6	5.295E+09	YES	6000000	1	4429161	452361	54.1	1810.9	0	1865	---	---
6	5.295E+09	YES	6000000	2	4431026	0	54.1	3051.9	338028	3106	4971	91

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.296E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.296E+09	YES	9000000	1	63084	63084	93.5	1777.5	0	1871	---	---
1	5.296E+09	YES	9000000	2	64955	0	93.5	1229.5	0	1323	---	---
1	5.296E+09	YES	9000000	3	66278	0	93.5	1969.5	678153	2063	5257	12
2	5.296E+09	YES	11000000	1	1161797	415303	95.9	1491.1	0	1587	---	---
2	5.296E+09	YES	11000000	2	1163384	0	95.9	3574.1	325934	3670	5257	79
3	5.296E+09	YES	11000000	1	1640184	147196	83.8	1361.2	0	1445	---	---
3	5.296E+09	YES	11000000	2	1641629	0	83.8	1465.2	0	1549	---	---
3	5.296E+09	YES	11000000	3	1643178	0	83.8	2179.2	594041	2263	5257	28
4	5.296E+09	YES	10000000	1	2964948	725466	59	1024	0	1083	---	---
4	5.296E+09	YES	10000000	2	2966031	0	59	4115	15771	4174	5257	138
5	5.296E+09	YES	15000000	1	2991233	5257	87.2	1670.8	0	1758	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.297E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.297E+09	YES	7000000	1	624510	624510	60.1	1596.9	0	1657	---	---
1	5.297E+09	YES	7000000	2	626167	0	60.1	2137.9	119505	2198	3855	162
2	5.297E+09	YES	17000000	1	863520	115650	98.8	1497.2	0	1596	---	---
2	5.297E+09	YES	17000000	2	865116	0	98.8	2160.2	628365	2259	3855	30
3	5.297E+09	YES	13000000	1	2197350	701610	79.3	1757.7	0	1837	---	---
3	5.297E+09	YES	13000000	2	2199187	0	79.3	1938.7	42405	2018	3855	182
4	5.297E+09	YES	16000000	1	2347695	104085	78.9	1205.1	0	1284	---	---
4	5.297E+09	YES	16000000	2	2348979	0	78.9	2492.1	639930	2571	3855	27
5	5.297E+09	YES	8000000	1	3642975	651495	87	1254	0	1341	---	---
5	5.297E+09	YES	8000000	2	3644316	0	87	2427	92520	2514	3855	169
6	5.297E+09	YES	7000000	1	4020765	281415	68.9	1748.1	0	1817	---	---
6	5.297E+09	YES	7000000	2	4022582	0	68.9	1969.1	462600	2038	3855	73

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.298E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.298E+09	YES	18000000	1	615978	615978	54.5	1261.5	0	1316	---	---
1	5.298E+09	YES	18000000	2	617294	0	54.5	3678.5	80784	3733	5049	122
2	5.298E+09	YES	10000000	1	1272348	570537	63.3	4985.7	126225	5049	5049	113
3	5.298E+09	YES	7000000	1	1964061	560439	51	4998	136323	5049	5049	111
4	5.298E+09	YES	17000000	1	2231658	126225	70.5	1757.5	0	1828	---	---
4	5.298E+09	YES	17000000	2	2233486	0	70.5	3150.5	570537	3221	5049	25
5	5.298E+09	YES	17000000	1	3175821	368577	95	4954	328185	5049	5049	73
6	5.298E+09	YES	11000000	1	3827142	318087	87.2	1399.8	0	1487	---	---
6	5.298E+09	YES	11000000	2	3828629	0	87.2	3474.8	378675	3562	5049	63
7	5.298E+09	YES	16000000	1	4241160	30294	73.2	1370.8	0	1444	---	---
7	5.298E+09	YES	16000000	2	4242604	0	73.2	3531.8	666468	3605	5049	6
8	5.298E+09	YES	6000000	1	5190372	277695	54.5	4994.5	419067	5049	5049	55
9	5.298E+09	YES	13000000	1	5750811	136323	73.1	1311.9	0	1385	---	---
9	5.298E+09	YES	13000000	2	5752196	0	73.1	3590.9	560439	3664	5049	27
10	5.298E+09	YES	6000000	1	6462720	146421	68.3	1157.7	0	1226	---	---
10	5.298E+09	YES	6000000	2	6463946	0	68.3	3754.7	550341	3823	5049	29
11	5.298E+09	YES	9000000	1	7477569	459459	51.2	1468.8	0	1520	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.299E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.299E+09	YES	5000000	1	1271820	1271820	76.8	1712.2	0	1789	---	---
1	5.299E+09	YES	5000000	2	1273609	0	76.8	3546.2	54120	3623	5412	235
2	5.299E+09	YES	10000000	1	1558656	227304	66.1	1359.9	0	1426	---	---
2	5.299E+09	YES	10000000	2	1560082	0	66.1	3919.9	1098636	3986	5412	42
3	5.299E+09	YES	6000000	1	3723456	1060752	77.6	1677.4	0	1755	---	---
3	5.299E+09	YES	6000000	2	3725211	0	77.6	3579.4	265188	3657	5412	196
4	5.299E+09	YES	15000000	1	4102296	108240	59.9	5352.1	1217700	5412	5412	20
5	5.299E+09	YES	8000000	1	5812488	487080	67.5	1903.5	0	1971	---	---
5	5.299E+09	YES	8000000	2	5814459	0	67.5	1874.5	0	1942	---	---
5	5.299E+09	YES	8000000	3	5816401	0	67.5	1431.5	838860	1499	5412	90
6	5.299E+09	YES	13000000	1	7565976	909216	59.5	1549.5	0	1609	---	---
6	5.299E+09	YES	13000000	2	7567585	0	59.5	3743.5	416724	3803	5412	168
7	5.299E+09	YES	20000000	1	9173340	1185228	76.4	1447.6	0	1524	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.3E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.3E+09	YES	6000000	1	387021	387021	73	5378	463335	5451	5451	71
2	5.3E+09	YES	16000000	1	1657104	801297	92.4	5358.6	49059	5451	5451	147
3	5.3E+09	YES	5000000	1	1760673	49059	63	1404	0	1467	---	---
3	5.3E+09	YES	5000000	2	1762140	0	63	3921	801297	3984	5451	9
4	5.3E+09	YES	10000000	1	2692794	125373	96.8	5354.2	724983	5451	5451	23
5	5.3E+09	YES	17000000	1	3881112	457884	100	1897	0	1997	---	---
5	5.3E+09	YES	17000000	2	3883109	0	100	1804	0	1904	---	---
5	5.3E+09	YES	17000000	3	3885013	0	100	1450	392472	1550	5451	84
6	5.3E+09	YES	7000000	1	4938606	659571	87.3	1641.7	0	1729	---	---
6	5.3E+09	YES	7000000	2	4940335	0	87.3	3634.7	190785	3722	5451	121

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.3E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.3E+09	YES	12000000	1	338310	338310	92.5	1730.5	0	1823	---	---
1	5.3E+09	YES	12000000	2	340133	0	92.5	1843.5	578886	1936	3759	90
2	5.3E+09	YES	13000000	1	1785525	864570	89.1	1142.9	0	1232	---	---
2	5.3E+09	YES	13000000	2	1786757	0	89.1	2437.9	52626	2527	3759	230
3	5.3E+09	YES	11000000	1	2695203	853293	92.4	1259.6	0	1352	---	---
3	5.3E+09	YES	11000000	2	2696555	0	92.4	2314.6	63903	2407	3759	227
4	5.3E+09	YES	11000000	1	3522183	759318	79	1759	0	1838	---	---
4	5.3E+09	YES	11000000	2	3524021	0	79	1842	157878	1921	3759	202
5	5.3E+09	YES	20000000	1	4435620	751800	53.8	3705.2	165396	3759	3759	200
6	5.3E+09	YES	17000000	1	4890459	285684	73.6	3685.4	631512	3759	3759	76
7	5.3E+09	YES	9000000	1	6138447	612717	73.4	1781.6	0	1855	---	---
7	5.3E+09	YES	9000000	2	6140302	0	73.4	1830.6	304479	1904	3759	163
8	5.3E+09	YES	18000000	1	6931596	484911	73.2	963.8	0	1037	---	---
8	5.3E+09	YES	18000000	2	6932633	0	73.2	1248.8	0	1322	---	---
8	5.3E+09	YES	18000000	3	6933955	0	73.2	1326.8	432285	1400	3759	129
9	5.3E+09	YES	12000000	1	7570626	202986	99.4	3659.6	714210	3759	3759	54

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

FCC-Type 6, Trial 1 of 3
All Frequencies in MHz

Trial #1	Trial #2	Trial #3	Trial #4	Trial #5	Trial #6	Trial #7	Trial #8	Trial #9	Trial #10	Trial #11	Trial #12	Trial #13
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5576	5619	5651	5303	5585	5593	5616	5664	5586	5680	5680	5641	5322
5654	5534	5313	5302	5313	5630	5656	5295	5319	5628	5513	5568	5554
5693	5537	5310	5595	5532	5315	5609	5582	5271	5283	5569	5582	5595
5494	5320	5275	5293	5609	5305	5615	5569	5506	5619	5529	5320	5594
5597	5508	5702	5253	5634	5575	5583	5625	5299	5563	5282	5567	5667
5622	5629	5673	5328	5330	5590	5257	5597	5264	5632	5626	5648	5621
5680	5683	5260	5573	5647	5529	5622	5498	5274	5267	5611	5680	5327
5516	5692	5518	5577	5280	5667	5591	5493	5597	5682	5681	5688	5546
5560	5522	5505	5600	5625	5295	5529	5253	5310	5301	5709	5622	5257
5600	5708	5496	5554	5701	5490	5264	5687	5294	5690	5329	5279	5519
5269	5595	5666	5699	5545	5578	5641	5665	5265	5582	5322	5551	5648
5527	5681	5265	5616	5672	5512	5520	5504	5650	5531	5535	5710	5493
5604	5492	5636	5589	5641	5513	5517	5703	5615	5497	5500	5556	5591
5297	5610	5698	5585	5628	5289	5606	5497	5531	5524	5267	5642	5276
5596	5302	5582	5492	5323	5700	5576	5599	5524	5550	5290	5618	5588
5257	5274	5543	5690	5544	5320	5490	5631	5649	5530	5688	5590	5516
5616	5305	5289	5601	5611	5266	5707	5685	5283	5514	5549	5542	5607
5580	5691	5309	5509	5290	5569	5566	5590	5533	5669	5303	5510	5658
5320	5252	5704	5565	5648	5518	5551	5542	5664	5594	5558	5584	5577
5267	5265	5312	5537	5509	5603	5607	5551	5643	5507	5691	5301	5644
5284	5674	5682	5284	5301	5257	5684	5639	5614	5322	5630	5663	5512
5696	5621	5701	5532	5599	5523	5639	5292	5537	5710	5676	5665	5686
5697	5315	5270	5317	5257	5589	5651	5306	5693	5601	5645	5685	5627
5629	5639	5579	5687	5524	5642	5540	5290	5653	5555	5280	5253	5691
5490	5530	5500	5314	5541	5617	5584	5688	5575	5693	5328	5682	5553
5666	5556	5541	5545	5521	5270	5272	5622	5636	5562	5560	5672	5682
5524	5570	5527	5524	5608	5526	5270	5671	5549	5295	5679	5708	5323
5663	5644	5588	5623	5627	5709	5518	5683	5686	5284	5578	5260	5575
5496	5675	5256	5694	5683	5271	5692	5550	5641	5708	5655	5525	5494
5677	5599	5610	5671	5583	5277	5602	5615	5521	5691	5698	5544	5538
5513	5587	5280	5549	5274	5708	5309	5679	5574	5700	5276	5615	5676
5270	5555	5253	5502	5559	5267	5317	5317	5330	5262	5561	5302	5662
5553	5495	5589	5622	5265	5559	5537	5330	5638	5676	5323	5645	5694
5567	5538	5572	5312	5673	5507	5512	5281	5647	5637	5283	5271	5597
5583	5490	5653	5301	5682	5531	5569	5628	5576	5641	5603	5516	5608
5495	5568	5663	5259	5271	5698	5281	5649	5491	5320	5260	5290	5699
5295	5666	5552	5682	5519	5587	5310	5259	5526	5667	5607	5314	5295
5325	5617	5581	5673	5316	5539	5642	5678	5515	5664	5542	5629	5532
5288	5642	5567	5517	5581	5323	5318	5612	5682	5251	5508	5328	5677
5528	5554	5284	5689	5555	5685	5670	5583	5669	5545	5643	5569	5288
5526	5658	5708	5540	5275	5702	5282	5314	5270	5602	5659	5674	5657
5702	5533	5675	5613	5655	5690	5285	5642	5544	5496	5503	5500	5285
5287	5288	5656	5701	5688	5637	5316	5704	5277	5610	5262	5273	5562
5272	5562	5569	5643	5624	5528	5559	5568	5646	5560	5259	5546	5613
5508	5577	5529	5662	5664	5493	5626	5588	5536	5617	5605	5561	5283
5326	5628	5274	5666	5579	5551	5494	5624	5268	5622	5685	5274	5273
5322	5648	5696	5583	5607	5533	5649	5602	5618	5493	5631	5539	5580
5631	5262	5319	5290	5254	5624	5266	5604	5609	5591	5656	5691	5510
5502	5527	5626	5261	5566	5256	5296	5555	5300	5516	5665	5492	5709
5684	5604	5578	5305	5687	5636	5251	5667	5302	5655	5273	5543	5571
5561	5290	5584	5295	5617	5494	5608	5572	5626	5300	5525	5579	5620
5559	5310	5315	5568	5525	5655	5708	5672	5525	5508	5321	5593	5307
5290	5309	5605	5667	5255	5563	5600	5517	5313	5631	5306	5262	5287
5667	5588	5706	5321	5269	5649	5700	5492	5258	5293	5701	5548	5265
5532	5311	5520	5677	5322	5532	5306	5598	5694	5613	5327	5275	5611
5617	5287	5302	5515	5616	5262	5549	5698	5674	5709	5595	5630	5324
5571	5322	5268	5586	5315	5509	5513	5617	5560	5657	5291	5522	5660
5500	5283	5259	5625	5605	5517	5603	5516	5623	5270	5702	5636	5525
5690	5609	5688	5265	5321	5548	5554	5540	5644	5661	5666	5609	5315
5627	5325	5507	5494	5319		5673	5501	5612	5261	5279	5513	5517

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

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FCC-Type 6, Trial 2 of 3
All Frequencies in MHz

Trial #14	Trial #15	Trial #16	Trial #17	Trial #18	Trial #19	Trial #20	Trial #21	Trial #22	Trial #23	Trial #24	Trial #25	Trial #26
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5553	5614	5522	5612	5707	5684	5583	5521	5691	5527	5314	5639	5699
5272	5672	5612	5607	5274	5565	5572	5492	5581	5576	5269	5568	5612
5658	5704	5576	5630	5297	5575	5328	5498	5522	5570	5706	5496	5540
5630	5654	5618	5260	5520	5541	5557	5602	5645	5650	5252	5687	5581
5514	5683	5623	5568	5665	5319	5662	5578	5609	5660	5549	5544	5276
5300	5579	5669	5280	5302	5274	5684	5627	5501	5601	5688	5322	5524
5701	5702	5659	5577	5283	5573	5251	5606	5631	5692	5510	5286	5313
5573	5588	5510	5689	5513	5324	5527	5566	5615	5607	5499	5655	5649
5257	5321	5611	5693	5690	5269	5302	5255	5602	5635	5559	5571	5550
5555	5314	5654	5617	5329	5616	5661	5573	5541	5255	5544	5660	5696
5252	5497	5529	5308	5700	5517	5543	5648	5276	5291	5522	5611	5303
5304	5306	5511	5624	5606	5505	5278	5307	5291	5599	5622	5609	5262
5710	5602	5616	5251	5282	5531	5708	5700	5536	5669	5507	5657	5635
5320	5268	5315	5525	5328	5578	5304	5596	5564	5330	5695	5537	5694
5525	5258	5517	5560	5273	5669	5271	5581	5323	5497	5625	5548	5591
5274	5582	5537	5703	5679	5577	5688	5582	5551	5288	5294	5310	5561
5540	5504	5304	5702	5697	5262	5571	5580	5689	5264	5671	5567	5286
5561	5693	5641	5650	5674	5661	5295	5490	5626	5307	5279	5258	5257
5587	5607	5563	5491	5269	5626	5275	5685	5507	5577	5253	5662	5647
5277	5323	5301	5293	5585	5318	5654	5657	5308	5677	5603	5574	5309
5575	5519	5632	5632	5270	5620	5692	5295	5670	5293	5330	5622	5645
5661	5544	5566	5705	5509	5329	5530	5494	5264	5292	5655	5312	5610
5602	5298	5544	5315	5667	5253	5509	5298	5667	5619	5492	5493	5615
5638	5686	5691	5561	5503	5607	5265	5679	5634	5597	5275	5559	5624
5627	5533	5651	5258	5327	5524	5680	5548	5252	5702	5532	5572	5312
5641	5279	5572	5297	5300	5551	5268	5297	5635	5655	5285	5591	5497
5593	5659	5573	5282	5605	5298	5587	5613	5612	5515	5635	5492	5518
5640	5270	5667	5659	5599	5647	5291	5696	5301	5646	5322	5618	5544
5662	5632	5678	5508	5642	5667	5570	5695	5511	5569	5277	5261	5684
5653	5254	5254	5549	5285	5550	5306	5579	5554	5585	5609	5320	5607
5599	5561	5262	5296	5315	5654	5568	5553	5701	5605	5550	5308	5707
5547	5522	5546	5593	5652	5694	5589	5584	5325	5651	5620	5703	5582
5317	5299	5299	5647	5560	5538	5564	5609	5499	5298	5517	5602	5568
5618	5555	5693	5637	5643	5566	5581	5707	5300	5606	5666	5691	5526
5278	5310	5495	5541	5565	5530	5300	5710	5303	5629	5556	5645	5291
5566	5629	5700	5540	5609	5495	5504	5252	5510	5269	5501	5551	5700
5569	5316	5287	5620	5618	5299	5284	5684	5694	5589	5308	5673	5666
5576	5671	5629	5278	5593	5300	5510	5258	5676	5546	5504	5681	5555
5692	5493	5575	5654	5533	5683	5651	5668	5272	5544	5557	5527	5510
5665	5598	5521	5594	5276	5282	5657	5325	5693	5499	5692	5636	5594
5632	5312	5539	5495	5260	5609	5252	5504	5640	5566	5677	5289	5650
5708	5292	5593	5708	5694	5504	5508	5590	5492	5260	5565	5499	5253
5506	5277	5284	5582	5506	5595	5643	5301	5702	5278	5632	5500	5654
5577	5282	5268	5256	5512	5657	5573	5694	5598	5502	5533	5319	5498
5702	5528	5684	5704	5670	5643	5496	5619	5633	5539	5630	5625	5541
5671	5624	5602	5287	5527	5693	5538	5572	5289	5640	5571	5514	5701
5668	5634	5318	5310	5304	5638	5286	5636	5632	5303	5673	5285	5274
5616	5677	5264	5614	5563	5307	5628	5586	5596	5296	5553	5296	5562
5654	5537	5266	5285	5595	5649	5580	5626	5520	5647	5599	5252	5596
5689	5642	5696	5500	5498	5313	5326	5589	5268	5699	5689	5284	5687
5307	5262	5590	5532	5516	5286	5558	5330	5665	5658	5290	5674	5664
5619	5679	5536	5545	5322	5633	5298	5261	5328	5653	5554	5694	5259
5679	5492	5631	5633	5663	5311	5679	5633	5627	5543	5516	5300	5495
5642	5559	5509	5536	5287	5285	5666	5598	5559	5533	5493	5555	5273
5606	5650	5615	5524	5597	5542	5502	5260	5604	5591	5562	5613	5507
5258	5599	5571	5544	5567	5543	5653	5551	5267	5665	5256	5517	5677
5628	5543	5619	5327	5264	5539	5531	5545	5322	5520	5305	5274	5297
5265	5274	5530	5513	5616	5560		5515	5685	5558	5628	5686	5533
5646	5309	5527	5575	5311	5685		5540	5265	5614	5575	5658	5545
5644	5637		5496	5628	5614		5592	5517	5675		5563	5660
5570	5674		5563	5646	5628		5546	5680	5493		5304	5569
5554	5293		5324	5323				5655	5262		5267	5268
5503			5697					5675	5266		5665	5613
5528			5271					5326	5274			5673
5652			5286					5545	5265			5520
5268			5666					5613	5490			5695
5623			5512					5595	5626			
5568								5330	5588			
5318								5549	5593			

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 48 kHz

NORTHWEST EMC

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FCC-Type 6, Trial 3 of 3
All Frequencies in MHz

Trial #27	Trial #28	Trial #29	Trial #30
PASS	PASS	PASS	PASS
5582	5493	5315	5499
5576	5556	5640	5542
5569	5698	5637	5690
5496	5496	5563	5532
5689	5310	5638	5586
5251	5515	5263	5595
5279	5570	5706	5256
5705	5256	5596	5314
5675	5539	5327	5504
5307	5529	5594	5580
5626	5538	5686	5707
5693	5681	5259	5294
5305	5609	5704	5555
5648	5656	5666	5661
5561	5565	5330	5271
5292	5578	5320	5254
5519	5318	5498	5693
5678	5558	5632	5694
5702	5564	5669	5286
5591	5527	5547	5319
5502	5589	5251	5647
5669	5276	5625	5323
5491	5575	5662	5642
5625	5657	5560	5609
5539	5294	5633	5492
5660	5504	5663	5639
5507	5566	5279	5494
5280	5546	5586	5577
5329	5275	5282	5612
5295	5599	5604	5279
5547	5543	5658	5538
5598	5592	5572	5560
5533	5588	5255	5269
5617	5608	5589	5606
5649	5523	5491	5276
5509	5691	5312	5296
5656	5666	5598	5630
5260	5531	5549	5516
5589	5680	5571	5511
5708	5584	5593	5557
5574	5320	5271	5496
5631	5273	5298	5529
5701	5611	5530	5704
5606	5621	5597	5696
5662	5251	5665	5571
5296	5498	5631	5518
5272	5581	5681	5329
5511	5623	5284	5569
5697	5671	5618	5519
5284	5631	5511	5288
5537	5652	5676	5585
5621	5648	5533	5566
5694	5552	5319	5596
5573	5526	5705	5497
5520	5663	5252	5326
5664	5505	5520	5270
5532	5490	5559	5264
5646	5636	5269	5631
5501	5655	5581	5330
5328	5510	5273	5304
5527	5591	5612	5572
5703	5677		5500
5672	5300		5502
5317	5291		5300
5634	5521		
5313	5499		
5595	5586		
5564	5506		
5298	5625		
5492			

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

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Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Generator - Signal	Agilent	V2920A	TIH	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master and client were connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. For master devices, the detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. Where required, an approved Media file was streamed between the master and client or an alternative method to load the channel may be used instead. Channel loading requirements were also verified prior to testing. Configuration and status of the master and client devices were then monitored with the spectrum analyzer. Essentially, a move time test is performed on all the necessary radar types to make sure the master and client vacate the channel when a radar signal is injected. Numerous trials are performed for each radar type to establish a statistical analysis of detection probability, and the guidelines of section 7.8.4 of the procedure were used to calculate the data and determine if the results passed. For Radar Type 1 Test A and Radar Type 1 Test B, the trials were done as one test with the first 15 trials on Test A and the second 15 trials on Test B.

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

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EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/24/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

Configuration #	1	Signature

						Value	Limit	Result
Monitor Radio								
	96 kHz Sampling Frequency							
	5300 MHz							
	Radar 1A, Radar 1B					100.0%	60.0%	PASS
	Radar 2					93.3%	60.0%	PASS
	Radar 3					93.3%	60.0%	PASS
	Radar 4					93.3%	60.0%	PASS
	Radar 1-4 Summary	100.0%	93.3%	93.3%	93.3%	95.0%	80.0%	PASS
	Radar 5					100.0%	80.0%	PASS
	Radar 6					100.0%	70.0%	PASS

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

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Monitor Radio, 96 kHz Sampling Frequency, 5300 MHz, Radar 1A, Radar 1B						
				Value	**Limit**	**Result**
				100.0%	60.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Monitor Radio, 96 kHz Sampling Frequency, 5300 MHz, Radar 2						
				Value	**Limit**	**Result**
				93.3%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	24	4.900 us	217.000 us
2	PASS	28	1.500 us	229.000 us
3	PASS	24	1.900 us	212.000 us
4	PASS	27	3.200 us	176.000 us
5	PASS	27	2.500 us	210.000 us
6	PASS	26	3.900 us	185.000 us
7	PASS	25	3.400 us	228.000 us
8	PASS	29	1.300 us	174.000 us
9	FAIL	24	4.300 us	167.000 us
10	PASS	26	3.100 us	155.000 us
11	PASS	24	3.400 us	230.000 us
12	PASS	23	3.000 us	206.000 us
13	PASS	28	1.500 us	179.000 us
14	PASS	29	3.100 us	162.000 us
15	PASS	23	3.000 us	191.000 us
16	FAIL	25	1.500 us	166.000 us
17	PASS	23	2.300 us	212.000 us
18	PASS	28	2.300 us	175.000 us
19	PASS	25	1.600 us	213.000 us
20	PASS	29	4.100 us	230.000 us
21	PASS	29	1.700 us	195.000 us
22	PASS	23	3.200 us	201.000 us
23	PASS	23	4.700 us	166.000 us
24	PASS	29	3.300 us	210.000 us
25	PASS	29	1.400 us	192.000 us
26	PASS	26	4.400 us	204.000 us
27	PASS	28	1.300 us	225.000 us
28	PASS	23	1.800 us	182.000 us
29	PASS	25	4.200 us	166.000 us
30	PASS	29	2.100 us	223.000 us

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

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Monitor Radio, 96 kHz Sampling Frequency, 5300 MHz, Radar 3

				Value	Limit	Result
				93.3%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	17	6.200 us	240.000 us
2	PASS	17	9.900 us	299.000 us
3	PASS	17	9.200 us	443.000 us
4	PASS	18	7.000 us	274.000 us
5	FAIL	16	6.300 us	254.000 us
6	PASS	17	6.100 us	310.000 us
7	PASS	17	9.700 us	359.000 us
8	PASS	17	7.800 us	446.000 us
9	PASS	16	9.100 us	305.000 us
10	FAIL	16	7.000 us	374.000 us
11	PASS	17	8.400 us	462.000 us
12	PASS	18	7.500 us	439.000 us
13	PASS	18	8.800 us	468.000 us
14	PASS	17	7.800 us	218.000 us
15	PASS	17	9.000 us	323.000 us
16	PASS	18	8.300 us	367.000 us
17	PASS	18	6.000 us	263.000 us
18	PASS	16	8.000 us	363.000 us
19	PASS	16	10.000 us	307.000 us
20	PASS	16	7.800 us	347.000 us
21	PASS	18	6.000 us	328.000 us
22	PASS	18	8.400 us	326.000 us
23	PASS	17	6.700 us	465.000 us
24	PASS	17	6.200 us	304.000 us
25	PASS	16	9.300 us	417.000 us
26	PASS	18	10.000 us	279.000 us
27	PASS	16	9.300 us	481.000 us
28	PASS	17	8.400 us	341.000 us
29	PASS	18	6.300 us	207.000 us
30	PASS	16	7.700 us	389.000 us

Monitor Radio, 96 kHz Sampling Frequency, 5300 MHz, Radar 4

				Value	Limit	Result
				93.3%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	14	16.000 us	421.000 us
2	PASS	15	13.500 us	425.000 us
3	PASS	13	17.200 us	371.000 us
4	PASS	14	16.300 us	474.000 us
5	PASS	14	18.200 us	301.000 us
6	PASS	13	19.200 us	300.000 us
7	PASS	14	15.700 us	423.000 us
8	PASS	14	12.200 us	385.000 us
9	PASS	12	14.900 us	408.000 us
10	PASS	16	19.300 us	427.000 us
11	PASS	12	17.400 us	415.000 us
12	PASS	15	14.900 us	291.000 us
13	FAIL	14	18.600 us	500.000 us
14	PASS	15	16.700 us	446.000 us
15	PASS	16	12.900 us	393.000 us
16	PASS	13	15.500 us	461.000 us
17	PASS	14	13.300 us	336.000 us
18	PASS	13	18.000 us	419.000 us
19	FAIL	12	20.000 us	443.000 us
20	PASS	13	15.700 us	225.000 us
21	PASS	15	17.900 us	362.000 us
22	PASS	15	12.200 us	388.000 us
23	PASS	13	16.200 us	364.000 us
24	PASS	13	11.800 us	237.000 us
25	PASS	13	16.100 us	231.000 us
26	PASS	16	16.900 us	385.000 us
27	PASS	13	17.800 us	258.000 us
28	PASS	16	13.500 us	463.000 us
29	PASS	13	18.600 us	278.000 us
30	PASS	12	11.200 us	303.000 us

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

XMit 2015.01.14

Monitor Radio, 96 kHz Sampling Frequency, 5300 MHz, Radar 1-4 Summary						
				Value	**Limit**	**Result**
100%	93.3%	93.3%	93.3%	95.0%	80%	PASS

Monitor Radio, 96 kHz Sampling Frequency, 5300 MHz, Radar 5						
				Value	**Limit**	**Result**
				100%	80%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

XMit 2015.01.14

Monitor Radio, 96 kHz Sampling Frequency, 5300 MHz, Radar 6						
				Value	**Limit**	**Result**
				100%	70%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.299E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.299E+09	YES	14000000	1	14985	14985	81.5	1326.5	0	1408	---	---
1	5.299E+09	YES	14000000	2	16393	0	81.5	3505.5	684315	3587	4995	3
2	5.299E+09	YES	15000000	1	1203795	499500	99.9	1621.1	0	1721	---	---
2	5.299E+09	YES	15000000	2	1205516	0	99.9	1732.1	0	1832	---	---
2	5.299E+09	YES	15000000	3	1207348	0	99.9	1342.1	199800	1442	4995	100
3	5.299E+09	YES	15000000	1	1493505	84915	80.8	1723.2	0	1804	---	---
3	5.299E+09	YES	15000000	2	1495309	0	80.8	3110.2	614385	3191	4995	17
4	5.299E+09	YES	15000000	1	2752245	639360	57	4938	59940	4995	4995	128
5	5.299E+09	YES	6000000	1	3221775	404595	56.5	4938.5	294705	4995	4995	81
6	5.299E+09	YES	5000000	1	3806190	284715	80.3	1621.7	0	1702	---	---
6	5.299E+09	YES	5000000	2	3807892	0	80.3	3212.7	414585	3293	4995	57
7	5.299E+09	YES	11000000	1	4820175	594405	78	1046	0	1124	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.298E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.298E+09	YES	15000000	1	1204312	1204312	92.8	948.2	0	1041	---	---
1	5.298E+09	YES	15000000	2	1205353	0	92.8	2230.2	289304	2323	3364	358
2	5.298E+09	YES	15000000	1	2741660	1244680	71	1681	0	1752	---	---
2	5.298E+09	YES	15000000	2	2743412	0	71	1541	248936	1612	3364	370
3	5.298E+09	YES	18000000	1	4390020	1396060	52.9	1577.1	0	1630	---	---
3	5.298E+09	YES	18000000	2	4391650	0	52.9	1681.1	97556	1734	3364	415
4	5.298E+09	YES	13000000	1	4618772	127832	78.7	1687.3	0	1766	---	---
4	5.298E+09	YES	13000000	2	4620538	0	78.7	1519.3	1365784	1598	3364	38
5	5.298E+09	YES	14000000	1	6149392	161472	74.2	1593.8	0	1668	---	---
5	5.298E+09	YES	14000000	2	6151060	0	74.2	1621.8	1332144	1696	3364	48
6	5.298E+09	YES	14000000	1	8897780	1412880	82	1439	0	1521	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.297E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.297E+09	YES	15000000	1	840880	840880	99.2	1622.8	0	1722	---	---
1	5.297E+09	YES	15000000	2	842602	0	99.2	2748.8	351890	2848	4570	184
2	5.297E+09	YES	10000000	1	2289570	1092230	54.3	1249.7	0	1304	---	---
2	5.297E+09	YES	10000000	2	2290874	0	54.3	3211.7	100540	3266	4570	239
3	5.297E+09	YES	14000000	1	2911090	516410	80.7	961.3	0	1042	---	---
3	5.297E+09	YES	14000000	2	2912132	0	80.7	3447.3	676360	3528	4570	113
4	5.297E+09	YES	9000000	1	4711670	1119650	70.1	4499.9	73120	4570	4570	245
5	5.297E+09	YES	5000000	1	5543410	754050	87.4	1028.6	0	1116	---	---
5	5.297E+09	YES	5000000	2	5544526	0	87.4	3366.6	438720	3454	4570	165
6	5.297E+09	YES	10000000	1	6823010	836310	92.7	4477.3	356460	4570	4570	183

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.296E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.296E+09	YES	6000000	1	602040	602040	64.4	4952.6	140476	5017	5017	120
2	5.296E+09	YES	10000000	1	1103740	356207	55.5	1410.5	0	1466	---	---
2	5.296E+09	YES	10000000	2	1105206	0	55.5	1917.5	0	1973	---	---
2	5.296E+09	YES	10000000	3	1107179	0	55.5	1522.5	386309	1578	5017	71
3	5.296E+09	YES	14000000	1	1991749	496683	54.8	1543.2	0	1598	---	---
3	5.296E+09	YES	14000000	2	1993347	0	54.8	3364.2	245833	3419	5017	99
4	5.296E+09	YES	10000000	1	2904843	662244	76	4941	80272	5017	5017	132
5	5.296E+09	YES	20000000	1	3491832	501700	70.2	939.8	0	1010	---	---
5	5.296E+09	YES	20000000	2	3492842	0	70.2	3936.8	240816	4007	5017	100
6	5.296E+09	YES	20000000	1	3792852	55187	65.1	4951.9	687329	5017	5017	11
7	5.296E+09	YES	8000000	1	5207646	722448	86.9	1803.1	0	1890	---	---
7	5.296E+09	YES	8000000	2	5209536	0	86.9	1347.1	0	1434	---	---
7	5.296E+09	YES	8000000	3	5210970	0	86.9	1606.1	20068	1693	5017	144
8	5.296E+09	YES	12000000	1	5905009	672278	72.5	1755.5	0	1828	---	---
8	5.296E+09	YES	12000000	2	5906837	0	72.5	3116.5	70238	3189	5017	134

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.295E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.295E+09	YES	10000000	1	413364	413364	61.4	1909.6	0	1971	---	---
1	5.295E+09	YES	10000000	2	415335	0	61.4	3406.6	179487	3468	5439	76
2	5.295E+09	YES	14000000	1	984459	386169	64	1092	0	1156	---	---
2	5.295E+09	YES	14000000	2	985615	0	64	4219	206682	4283	5439	71
3	5.295E+09	YES	17000000	1	1299921	103341	65.9	1626.1	0	1692	---	---
3	5.295E+09	YES	17000000	2	1301613	0	65.9	3681.1	489510	3747	5439	19
4	5.295E+09	YES	6000000	1	2083137	288267	69.9	5369.1	304584	5439	5439	53
5	5.295E+09	YES	16000000	1	2811963	418803	87.5	1793.5	0	1881	---	---
5	5.295E+09	YES	16000000	2	2813844	0	87.5	1726.5	0	1814	---	---
5	5.295E+09	YES	16000000	3	2815658	0	87.5	1656.5	174048	1744	5439	77
6	5.295E+09	YES	13000000	1	3062157	70707	51.9	1937.1	0	1989	---	---
6	5.295E+09	YES	13000000	2	3064146	0	51.9	3398.1	522144	3450	5439	13
7	5.295E+09	YES	13000000	1	4101006	511266	95.2	930.8	0	1026	---	---
7	5.295E+09	YES	13000000	2	4102032	0	95.2	4317.8	81585	4413	5439	94
8	5.295E+09	YES	7000000	1	4525248	337218	78.6	5360.4	255633	5439	5439	62

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.294E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.294E+09	YES	18000000	1	444696	444696	67.2	5226.8	179996	5294	5294	84
2	5.294E+09	YES	5000000	1	862922	232936	70	5224	391756	5294	5294	44
3	5.294E+09	YES	19000000	1	1847606	587634	75.2	1526.8	0	1602	---	---
3	5.294E+09	YES	19000000	2	1849208	0	75.2	3616.8	37058	3692	5294	111
4	5.294E+09	YES	12000000	1	2122894	232936	72.4	5221.6	391756	5294	5294	44
5	5.294E+09	YES	15000000	1	3096990	577046	69.5	1139.5	0	1209	---	---
5	5.294E+09	YES	15000000	2	3098199	0	69.5	4015.5	47646	4085	5294	109
6	5.294E+09	YES	13000000	1	3668742	518812	72.4	1040.6	0	1113	---	---
6	5.294E+09	YES	13000000	2	3669855	0	72.4	4108.6	105880	4181	5294	98

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.293E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.293E+09	YES	13000000	1	612362	612362	58.8	1874.2	0	1933	---	---
1	5.293E+09	YES	13000000	2	614295	0	58.8	1831.2	0	1890	---	---
1	5.293E+09	YES	13000000	3	616185	0	58.8	1895.2	46216	1954	5777	106
2	5.293E+09	YES	8000000	1	826111	161756	55.3	1204.7	0	1260	---	---
2	5.293E+09	YES	8000000	2	827371	0	55.3	1320.7	0	1376	---	---
2	5.293E+09	YES	8000000	3	828747	0	55.3	3085.7	496822	3141	5777	28
3	5.293E+09	YES	7000000	1	1600229	271519	67.2	5709.8	387059	5777	5777	47
4	5.293E+09	YES	19000000	1	2247253	254188	68.5	5708.5	404390	5777	5777	44
5	5.293E+09	YES	5000000	1	3131134	473714	85.2	5691.8	184864	5777	5777	82
6	5.293E+09	YES	13000000	1	3495085	173310	54.2	1844.8	0	1899	---	---
6	5.293E+09	YES	13000000	2	3496984	0	54.2	3823.8	485268	3878	5777	30
7	5.293E+09	YES	10000000	1	4344304	358174	52.6	1665.4	0	1718	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.293E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.293E+09	YES	14000000	1	582777	582777	98.2	1708.8	0	1807	---	---
1	5.293E+09	YES	14000000	2	584584	0	98.2	3075.8	333727	3174	4981	117
2	5.293E+09	YES	8000000	1	1055972	134487	69.6	1654.4	0	1724	---	---
2	5.293E+09	YES	8000000	2	1057696	0	69.6	3187.4	782017	3257	4981	27
3	5.293E+09	YES	19000000	1	1862894	19924	66.8	1587.2	0	1654	---	---
3	5.293E+09	YES	19000000	2	1864548	0	66.8	3260.2	896580	3327	4981	4
4	5.293E+09	YES	19000000	1	2893961	129506	56.8	1507.2	0	1564	---	---
4	5.293E+09	YES	19000000	2	2895525	0	56.8	1458.2	0	1515	---	---
4	5.293E+09	YES	19000000	3	2897040	0	56.8	1845.2	786998	1902	4981	26
5	5.293E+09	YES	14000000	1	4184040	498100	75.2	1308.8	0	1384	---	---
5	5.293E+09	YES	14000000	2	4185424	0	75.2	1512.8	0	1588	---	---
5	5.293E+09	YES	14000000	3	4187012	0	75.2	1933.8	418404	2009	4981	100
6	5.293E+09	YES	12000000	1	5030810	423385	92.2	1581.8	0	1674	---	---
6	5.293E+09	YES	12000000	2	5032484	0	92.2	3214.8	493119	3307	4981	85

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.294E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.294E+09	YES	9000000	1	273240	273240	83	1393	0	1476	---	---
1	5.294E+09	YES	9000000	2	274716	0	83	1698	0	1781	---	---
1	5.294E+09	YES	9000000	3	276497	0	83	1628	809784	1711	4968	55
2	5.294E+09	YES	13000000	1	1574856	486864	62.5	1056.5	0	1119	---	---
2	5.294E+09	YES	13000000	2	1575975	0	62.5	1575.5	0	1638	---	---
2	5.294E+09	YES	13000000	3	1577613	0	62.5	2148.5	596160	2211	4968	98
3	5.294E+09	YES	16000000	1	3045384	869400	68.1	1707.9	0	1776	---	---
3	5.294E+09	YES	16000000	2	3047160	0	68.1	3123.9	213624	3192	4968	175
4	5.294E+09	YES	11000000	1	3353400	89424	79.4	1497.6	0	1577	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.295E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.295E+09	YES	13000000	1	338741	338741	96.9	1470.1	0	1567	---	---
1	5.295E+09	YES	13000000	2	340308	0	96.9	3107.1	744276	3204	4771	71
2	5.295E+09	YES	8000000	1	2008591	920803	70.9	4700.1	162214	4771	4771	193
3	5.295E+09	YES	15000000	1	2843516	667940	60.8	1544.2	0	1605	---	---
3	5.295E+09	YES	15000000	2	2845121	0	60.8	1135.2	0	1196	---	---
3	5.295E+09	YES	15000000	3	2846317	0	60.8	1909.2	415077	1970	4771	140
4	5.295E+09	YES	19000000	1	4112602	849238	80.8	1034.2	0	1115	---	---
4	5.295E+09	YES	19000000	2	4113717	0	80.8	3575.2	233779	3656	4771	178
5	5.295E+09	YES	16000000	1	4456114	104962	78.4	1061.6	0	1140	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.296E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.296E+09	YES	8000000	1	89199	89199	93.7	5153.3	571923	5247	5247	17
2	5.296E+09	YES	14000000	1	1044153	377784	71.2	1812.8	0	1884	---	---
2	5.296E+09	YES	14000000	2	1046037	0	71.2	1303.8	0	1375	---	---
2	5.296E+09	YES	14000000	3	1047412	0	71.2	1916.8	283338	1988	5247	72
3	5.296E+09	YES	11000000	1	1542618	209880	86.4	1835.6	0	1922	---	---
3	5.296E+09	YES	11000000	2	1544540	0	86.4	3238.6	451242	3325	5247	40
4	5.296E+09	YES	8000000	1	2492325	493218	58.4	1881.6	0	1940	---	---
4	5.296E+09	YES	8000000	2	2494265	0	58.4	1543.6	0	1602	---	---
4	5.296E+09	YES	8000000	3	2495867	0	58.4	1646.6	167904	1705	5247	94
5	5.296E+09	YES	15000000	1	2933073	267597	75.6	1576.4	0	1652	---	---
5	5.296E+09	YES	15000000	2	2934725	0	75.6	3519.4	393525	3595	5247	51
6	5.296E+09	YES	9000000	1	3578454	246609	99.6	1205.4	0	1305	---	---
6	5.296E+09	YES	9000000	2	3579759	0	99.6	1547.4	0	1647	---	---
6	5.296E+09	YES	9000000	3	3581406	0	99.6	2195.4	414513	2295	5247	47

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.297E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.297E+09	YES	19000000	1	191019	191019	75.9	1864.1	0	1940	---	---
1	5.297E+09	YES	19000000	2	192959	0	75.9	2643.1	507831	2719	4659	41
2	5.297E+09	YES	12000000	1	1295202	591693	92.1	1520.9	0	1613	---	---
2	5.297E+09	YES	12000000	2	1296815	0	92.1	2953.9	107157	3046	4659	127
3	5.297E+09	YES	17000000	1	2063937	656919	63.3	1097.7	0	1161	---	---
3	5.297E+09	YES	17000000	2	2065098	0	63.3	1603.7	0	1667	---	---
3	5.297E+09	YES	17000000	3	2066765	0	63.3	1767.7	41931	1831	4659	141
4	5.297E+09	YES	11000000	1	2385408	274881	94.8	1133.2	0	1228	---	---
4	5.297E+09	YES	11000000	2	2386636	0	94.8	1354.2	0	1449	---	---
4	5.297E+09	YES	11000000	3	2388085	0	94.8	1887.2	423969	1982	4659	59
5	5.297E+09	YES	17000000	1	3429024	614988	78	4581	83862	4659	4659	132

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.298E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.298E+09	YES	17000000	1	692403	692403	87.5	4559.5	51117	4647	4647	149
2	5.298E+09	YES	8000000	1	1189632	441465	55	4592	302055	4647	4647	95
3	5.298E+09	YES	16000000	1	1654332	157998	90.3	1020.7	0	1111	---	---
3	5.298E+09	YES	16000000	2	1655443	0	90.3	3445.7	585522	3536	4647	34
4	5.298E+09	YES	7000000	1	2351382	106881	74.1	1734.9	0	1809	---	---
4	5.298E+09	YES	7000000	2	2353191	0	74.1	2763.9	636639	2838	4647	23
5	5.298E+09	YES	19000000	1	3522426	529758	91.5	4555.5	213762	4647	4647	114
6	5.298E+09	YES	19000000	1	4154418	413583	98.9	1264.1	0	1363	---	---
6	5.298E+09	YES	19000000	2	4155781	0	98.9	3185.1	329937	3284	4647	89
7	5.298E+09	YES	10000000	1	5176758	687756	95.1	1521.9	0	1617	---	---
7	5.298E+09	YES	10000000	2	5178375	0	95.1	2934.9	55764	3030	4647	148

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.299E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.299E+09	YES	8000000	1	368752	368752	69.3	1815.7	0	1885	---	---
1	5.299E+09	YES	8000000	2	370637	0	69.3	2897.7	291120	2967	4852	76
2	5.299E+09	YES	9000000	1	902472	237748	58.8	4793.2	422124	4852	4852	49
3	5.299E+09	YES	14000000	1	1707904	378456	80	1417	0	1497	---	---
3	5.299E+09	YES	14000000	2	1709401	0	80	1430	0	1510	---	---
3	5.299E+09	YES	14000000	3	1710911	0	80	1765	281416	1845	4852	78
4	5.299E+09	YES	18000000	1	2435704	441532	90.2	1568.8	0	1659	---	---
4	5.299E+09	YES	18000000	2	2437363	0	90.2	3102.8	218340	3193	4852	91
5	5.299E+09	YES	14000000	1	3090724	431828	83.4	1454.6	0	1538	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.3E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.3E+09	YES	7000000	1	242097	242097	86	1632	0	1718	---	---
1	5.3E+09	YES	7000000	2	243815	0	86	2943	384507	3029	4747	51
2	5.3E+09	YES	7000000	1	745279	113928	69.8	1043.2	0	1113	---	---
2	5.3E+09	YES	7000000	2	746392	0	69.8	3564.2	512676	3634	4747	24
3	5.3E+09	YES	10000000	1	1433594	170892	62	1442	0	1504	---	---
3	5.3E+09	YES	10000000	2	1435098	0	62	1236	0	1298	---	---
3	5.3E+09	YES	10000000	3	1436396	0	62	1883	455712	1945	4747	36
4	5.3E+09	YES	12000000	1	2264319	370266	93.3	1184.7	0	1278	---	---
4	5.3E+09	YES	12000000	2	2265597	0	93.3	3375.7	256338	3469	4747	78
5	5.3E+09	YES	11000000	1	2705790	180386	80.6	4666.4	446218	4747	4747	38
6	5.3E+09	YES	11000000	1	3564997	408242	71.8	1555.2	0	1627	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.301E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.301E+09	YES	14000000	1	491764	491764	67.6	4950.4	165594	5018	5018	98
2	5.301E+09	YES	8000000	1	702520	40144	73.9	1292.1	0	1366	---	---
2	5.301E+09	YES	8000000	2	703886	0	73.9	980.1	0	1054	---	---
2	5.301E+09	YES	8000000	3	704940	0	73.9	2524.1	617214	2598	5018	8
3	5.301E+09	YES	6000000	1	1952002	627250	54.8	1398.2	0	1453	---	---
3	5.301E+09	YES	6000000	2	1953455	0	54.8	3510.2	30108	3565	5018	125
4	5.301E+09	YES	8000000	1	2298244	311116	65.2	1739.8	0	1805	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.302E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.302E+09	YES	16000000	1	393604	393604	80.8	5098.2	455752	5179	5179	76
2	5.302E+09	YES	15000000	1	1429404	574869	86.7	1687.3	0	1774	---	---
2	5.302E+09	YES	15000000	2	1431178	0	86.7	3318.3	274487	3405	5179	111
3	5.302E+09	YES	11000000	1	1729786	20716	94.2	1291.8	0	1386	---	---
3	5.302E+09	YES	11000000	2	1731172	0	94.2	3698.8	828640	3793	5179	4
4	5.302E+09	YES	11000000	1	3174727	611122	72.2	1355.8	0	1428	---	---
4	5.302E+09	YES	11000000	2	3176155	0	72.2	1754.8	0	1827	---	---
4	5.302E+09	YES	11000000	3	3177982	0	72.2	1851.8	238234	1924	5179	118
5	5.302E+09	YES	19000000	1	3506183	88043	82.6	1722.4	0	1805	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.303E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.303E+09	YES	19000000	1	274092	274092	94.6	1833.4	0	1928	---	---
1	5.303E+09	YES	19000000	2	276020	0	94.6	3248.4	347886	3343	5271	52
2	5.303E+09	YES	18000000	1	1191246	563997	54	1822	0	1876	---	---
2	5.303E+09	YES	18000000	2	1193122	0	54	1039	0	1093	---	---
2	5.303E+09	YES	18000000	3	1194215	0	54	2248	57981	2302	5271	107
3	5.303E+09	YES	12000000	1	1612926	358428	54.1	1254.9	0	1309	---	---
3	5.303E+09	YES	12000000	2	1614235	0	54.1	3907.9	263550	3962	5271	68
4	5.303E+09	YES	13000000	1	2229633	347886	60.4	5210.6	274092	5271	5271	66
5	5.303E+09	YES	6000000	1	2667126	158130	78.3	1726.7	0	1805	---	---
5	5.303E+09	YES	6000000	2	2668931	0	78.3	3387.7	463848	3466	5271	30
6	5.303E+09	YES	9000000	1	3420879	284634	75.5	1273.5	0	1349	---	---
6	5.303E+09	YES	9000000	2	3422228	0	75.5	3846.5	337344	3922	5271	54
7	5.303E+09	YES	13000000	1	4090296	326802	92.6	1343.4	0	1436	---	---
7	5.303E+09	YES	13000000	2	4091732	0	92.6	1121.4	0	1214	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.304E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.304E+09	YES	6000000	1	576240	576240	78.7	4723.3	340942	4802	4802	120
2	5.304E+09	YES	15000000	1	979608	57624	56.4	1248.6	0	1305	---	---
2	5.304E+09	YES	15000000	2	980913	0	56.4	3440.6	859558	3497	4802	12
3	5.304E+09	YES	18000000	1	1944810	100842	92.4	1453.6	0	1546	---	---
3	5.304E+09	YES	18000000	2	1946356	0	92.4	3163.6	816340	3256	4802	21

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.305E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.305E+09	YES	14000000	1	400186	400186	79.1	1763.9	0	1843	---	---
1	5.305E+09	YES	14000000	2	402029	0	79.1	1909.9	0	1989	---	---
1	5.305E+09	YES	14000000	3	404018	0	79.1	1570.9	224762	1650	5482	73
2	5.305E+09	YES	17000000	1	827782	197352	67.3	1762.7	0	1830	---	---
2	5.305E+09	YES	17000000	2	829612	0	67.3	3584.7	427596	3652	5482	36
3	5.305E+09	YES	5000000	1	1584298	323438	84	1420	0	1504	---	---
3	5.305E+09	YES	5000000	2	1585802	0	84	3894	301510	3978	5482	59

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.306E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.306E+09	YES	17000000	1	409688	409688	70	1690	0	1760	---	---
1	5.306E+09	YES	17000000	2	411448	0	70	1261	0	1331	---	---
1	5.306E+09	YES	17000000	3	412779	0	70	1775	508408	1845	4936	83
2	5.306E+09	YES	10000000	1	1406760	483728	97.5	1727.5	0	1825	---	---
2	5.306E+09	YES	10000000	2	1408585	0	97.5	3013.5	434368	3111	4936	98

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.307E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.307E+09	YES	8000000	1	1034085	1034085	75	1563	0	1638	---	---
1	5.307E+09	YES	8000000	2	1035723	0	75	3590	159090	3665	5303	195
2	5.307E+09	YES	16000000	1	1521961	323483	80.7	975.3	0	1056	---	---
2	5.307E+09	YES	16000000	2	1523017	0	80.7	4166.3	869692	4247	5303	61
3	5.307E+09	YES	20000000	1	2550743	153787	97.4	1875.6	0	1973	---	---
3	5.307E+09	YES	20000000	2	2552716	0	97.4	1086.6	0	1184	---	---
3	5.307E+09	YES	20000000	3	2553900	0	97.4	2048.6	1039388	2146	5303	29
4	5.307E+09	YES	12000000	1	3987856	392422	80.8	1396.2	0	1477	---	---
4	5.307E+09	YES	12000000	2	3989333	0	80.8	1893.2	0	1974	---	---
4	5.307E+09	YES	12000000	3	3991307	0	80.8	1771.2	800753	1852	5303	74
5	5.307E+09	YES	15000000	1	5838603	1044691	83.4	5219.6	148484	5303	5303	197
6	5.307E+09	YES	19000000	1	6883294	890904	55.3	5247.7	302271	5303	5303	168
7	5.307E+09	YES	13000000	1	7668138	477270	51	1595	0	1646	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.306E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.306E+09	YES	8000000	1	603449	603449	51.7	1344.3	0	1396	---	---
1	5.306E+09	YES	8000000	2	604845	0	51.7	3623.3	96349	3675	5071	119
2	5.306E+09	YES	18000000	1	1064910	360041	70.2	1426.8	0	1497	---	---
2	5.306E+09	YES	18000000	2	1066407	0	70.2	3503.8	339757	3574	5071	71
3	5.306E+09	YES	19000000	1	1871199	461461	66.7	5004.3	238337	5071	5071	91
4	5.306E+09	YES	13000000	1	2692701	578094	72.8	1867.2	0	1940	---	---
4	5.306E+09	YES	13000000	2	2694641	0	72.8	1086.2	0	1159	---	---
4	5.306E+09	YES	13000000	3	2695800	0	72.8	1899.2	121704	1972	5071	114

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.305E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.305E+09	YES	13000000	1	187812	187812	88.2	1648.8	0	1737	---	---
1	5.305E+09	YES	13000000	2	189549	0	88.2	963.8	0	1052	---	---
1	5.305E+09	YES	13000000	3	190601	0	88.2	2198.8	436536	2287	5076	37
2	5.305E+09	YES	16000000	1	1208088	578664	53.9	1042.1	0	1096	---	---
2	5.305E+09	YES	16000000	2	1209184	0	53.9	3926.1	45684	3980	5076	114
3	5.305E+09	YES	11000000	1	1375596	116748	87.8	1687.2	0	1775	---	---
3	5.305E+09	YES	11000000	2	1377371	0	87.8	3213.2	507600	3301	5076	23
4	5.305E+09	YES	19000000	1	1974564	86292	54	1157	0	1211	---	---
4	5.305E+09	YES	19000000	2	1975775	0	54	1892	0	1946	---	---
4	5.305E+09	YES	19000000	3	1977721	0	54	1865	538056	1919	5076	17
5	5.305E+09	YES	13000000	1	3035448	517752	92.8	1556.2	0	1649	---	---
5	5.305E+09	YES	13000000	2	3037097	0	92.8	1407.2	0	1500	---	---
5	5.305E+09	YES	13000000	3	3038597	0	92.8	1834.2	106596	1927	5076	102
6	5.305E+09	YES	16000000	1	3720708	573588	98.6	1355.4	0	1454	---	---
6	5.305E+09	YES	16000000	2	3722162	0	98.6	1878.4	0	1977	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.304E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.304E+09	YES	19000000	1	127465	127465	77.8	1190.2	0	1268	---	---
1	5.304E+09	YES	19000000	2	128733	0	77.8	2099.2	1202305	2177	3445	37
2	5.304E+09	YES	10000000	1	1402115	68900	71.8	1550.2	0	1622	---	---
2	5.304E+09	YES	10000000	2	1403737	0	71.8	1751.2	1260870	1823	3445	20
3	5.304E+09	YES	16000000	1	3131505	465075	59.8	3385.2	864695	3445	3445	135
4	5.304E+09	YES	12000000	1	5222620	1222975	61.7	3383.3	106795	3445	3445	355
5	5.304E+09	YES	8000000	1	6352580	1019720	83.9	1331.1	0	1415	---	---
5	5.304E+09	YES	8000000	2	6353995	0	83.9	1946.1	310050	2030	3445	296
6	5.304E+09	YES	14000000	1	7561775	895700	75.1	3369.9	434070	3445	3445	260
7	5.304E+09	YES	15000000	1	8726185	726895	89.8	3355.2	602875	3445	3445	211
8	5.304E+09	YES	8000000	1	9801025	468520	68.3	1784.7	0	1853	---	---

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.303E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.303E+09	YES	8000000	1	344059	344059	80.8	1287.2	0	1368	---	---
1	5.303E+09	YES	8000000	2	345427	0	80.8	2098.2	741323	2179	3547	97
2	5.303E+09	YES	20000000	1	1365595	276666	50.1	1751.9	0	1802	---	---
2	5.303E+09	YES	20000000	2	1367397	0	50.1	1694.9	808716	1745	3547	78
3	5.303E+09	YES	19000000	1	3185206	1007348	75.9	1793.1	0	1869	---	---
3	5.303E+09	YES	19000000	2	3187075	0	75.9	1602.1	78034	1678	3547	284
4	5.303E+09	YES	9000000	1	3958452	691665	68.5	1579.5	0	1648	---	---
4	5.303E+09	YES	9000000	2	3960100	0	68.5	1830.5	393717	1899	3547	195
5	5.303E+09	YES	10000000	1	5352423	996707	71.3	3475.7	88675	3547	3547	281
6	5.303E+09	YES	9000000	1	5767422	322777	70.9	3476.1	762605	3547	3547	91
7	5.303E+09	YES	6000000	1	7526734	993160	58.5	1689.5	0	1748	---	---
7	5.303E+09	YES	6000000	2	7528482	0	58.5	1740.5	92222	1799	3547	280

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.302E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.302E+09	YES	14000000	1	3352	3352	92	1489	0	1581	---	---
1	5.302E+09	YES	14000000	2	4933	0	92	1679	992192	1771	3352	1
2	5.302E+09	YES	6000000	1	1779912	781016	67.3	1287.7	0	1355	---	---
2	5.302E+09	YES	6000000	2	1781267	0	67.3	1929.7	214528	1997	3352	233
3	5.302E+09	YES	5000000	1	2185504	187712	91.9	3260.1	807832	3352	3352	56
4	5.302E+09	YES	14000000	1	3274904	278216	68.7	1263.3	0	1332	---	---
4	5.302E+09	YES	14000000	2	3276236	0	68.7	1951.3	717328	2020	3352	83
5	5.302E+09	YES	7000000	1	4444752	449168	86.4	1610.6	0	1697	---	---
5	5.302E+09	YES	7000000	2	4446449	0	86.4	1568.6	546376	1655	3352	134
6	5.302E+09	YES	10000000	1	5078280	83800	92.6	3259.4	911744	3352	3352	25
7	5.302E+09	YES	16000000	1	6043656	50280	73.5	1529.5	0	1603	---	---
7	5.302E+09	YES	16000000	2	6045259	0	73.5	1675.5	945264	1749	3352	15
8	5.302E+09	YES	7000000	1	7240320	248048	52.5	3299.5	747496	3352	3352	74
9	5.302E+09	YES	18000000	1	8095080	103912	94.9	1350.1	0	1445	---	---
9	5.302E+09	YES	18000000	2	8096525	0	94.9	1812.1	891632	1907	3352	31
10	5.302E+09	YES	18000000	1	9854880	864816	85.4	3266.6	130728	3352	3352	258
11	5.302E+09	YES	19000000	1	10206840	217880	57.1	3294.9	777664	3352	3352	65

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.301E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.301E+09	YES	16000000	1	451520	451520	100	1765	0	1865	---	---
1	5.301E+09	YES	16000000	2	453385	0	100	3347	876480	3447	5312	85
2	5.301E+09	YES	7000000	1	2581632	1248320	82.6	1009.4	0	1092	---	---
2	5.301E+09	YES	7000000	2	2582724	0	82.6	1830.4	0	1913	---	---
2	5.301E+09	YES	7000000	3	2584637	0	82.6	2224.4	79680	2307	5312	235
3	5.301E+09	YES	17000000	1	3112832	446208	75.2	1061.8	0	1137	---	---
3	5.301E+09	YES	17000000	2	3113969	0	75.2	4099.8	881792	4175	5312	84
4	5.301E+09	YES	18000000	1	5285440	1285504	75.4	1769.6	0	1845	---	---
4	5.301E+09	YES	18000000	2	5287285	0	75.4	1736.6	0	1812	---	---
4	5.301E+09	YES	18000000	3	5289097	0	75.4	1579.6	42496	1655	5312	242
5	5.301E+09	YES	16000000	1	6140672	807424	74.1	5237.9	520576	5312	5312	152
6	5.301E+09	YES	19000000	1	7697088	1030528	96.3	1867.7	0	1964	---	---
6	5.301E+09	YES	19000000	2	7699052	0	96.3	3251.7	297472	3348	5312	194

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.3E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.3E+09	YES	18000000	1	209070	209070	70.9	4575.1	413494	4646	4646	45
2	5.3E+09	YES	14000000	1	1012828	385618	66.8	1650.2	0	1717	---	---
2	5.3E+09	YES	14000000	2	1014545	0	66.8	2862.2	236946	2929	4646	83
3	5.3E+09	YES	10000000	1	1375216	120796	73.7	1141.3	0	1215	---	---
3	5.3E+09	YES	10000000	2	1376431	0	73.7	3357.3	501768	3431	4646	26
4	5.3E+09	YES	6000000	1	2058178	176548	68.5	4577.5	446016	4646	4646	38
5	5.3E+09	YES	7000000	1	3103528	594688	52.2	4593.8	27876	4646	4646	128
6	5.3E+09	YES	18000000	1	3591358	455308	88.7	4557.3	167256	4646	4646	98
7	5.3E+09	YES	16000000	1	3949100	185840	89.9	1105.1	0	1195	---	---
7	5.3E+09	YES	16000000	2	3950295	0	89.9	3361.1	436724	3451	4646	40

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.305E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.305E+09	YES	12000000	1	1187034	1187034	75.9	1809.1	0	1885	---	---
1	5.305E+09	YES	12000000	2	1188919	0	75.9	1185.1	0	1261	---	---
1	5.305E+09	YES	12000000	3	1190180	0	75.9	2125.1	139022	2201	5347	222
2	5.305E+09	YES	17000000	1	1796592	465189	92.6	1180.4	0	1273	---	---
2	5.305E+09	YES	17000000	2	1797865	0	92.6	3981.4	860867	4074	5347	87
3	5.305E+09	YES	13000000	1	3839146	1176340	82.1	1459.9	0	1542	---	---
3	5.305E+09	YES	13000000	2	3840688	0	82.1	3722.9	149716	3805	5347	220
4	5.305E+09	YES	11000000	1	4507521	513312	92.8	1897.2	0	1990	---	---
4	5.305E+09	YES	11000000	2	4509511	0	92.8	1355.2	0	1448	---	---
4	5.305E+09	YES	11000000	3	4510959	0	92.8	1816.2	812744	1909	5347	96
5	5.305E+09	YES	13000000	1	5614350	288738	63.8	1258.2	0	1322	---	---
5	5.305E+09	YES	13000000	2	5615672	0	63.8	1902.2	0	1966	---	---
5	5.305E+09	YES	13000000	3	5617638	0	63.8	1995.2	1037318	2059	5347	54
6	5.305E+09	YES	12000000	1	7795926	1138911	84.9	1661.1	0	1746	---	---
6	5.305E+09	YES	12000000	2	7797672	0	84.9	1256.1	0	1341	---	---
6	5.305E+09	YES	12000000	3	7799013	0	84.9	2175.1	187145	2260	5347	213

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

FCC-Type 6, Trial 1 of 3
All Frequencies in MHz

Trial #1	Trial #2	Trial #3	Trial #4	Trial #5	Trial #6	Trial #7	Trial #8	Trial #9	Trial #10	Trial #11	Trial #12	Trial #13
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5490	5647	5588	5613	5684	5578	5683	5511	5549	5709	5499	5664	5568
5618	5617	5551	5585	5551	5269	5566	5508	5541	5262	5569	5697	5264
5707	5639	5306	5529	5569	5545	5613	5261	5680	5580	5619	5517	5294
5702	5504	5266	5561	5697	5554	5299	5676	5646	5276	5630	5277	5513
5498	5593	5304	5709	5552	5274	5497	5635	5594	5322	5298	5581	5690
5580	5544	5697	5587	5607	5561	5551	5638	5691	5631	5562	5495	5507
5641	5310	5536	5658	5675	5568	5572	5612	5315	5670	5491	5253	5649
5325	5679	5509	5270	5289	5517	5507	5568	5321	5556	5612	5621	5303
5659	5699	5313	5255	5500	5308	5709	5262	5693	5576	5688	5589	5328
5603	5517	5553	5673	5514	5633	5635	5571	5557	5506	5640	5518	5540
5316	5537	5633	5700	5303	5660	5682	5696	5314	5606	5253	5685	5601
5587	5305	5565	5283	5654	5595	5692	5308	5618	5581	5532	5692	5571
5690	5538	5327	5606	5284	5572	5617	5517	5322	5271	5520	5271	5681
5671	5294	5564	5547	5619	5320	5279	5277	5554	5650	5707	5649	5258
5601	5702	5330	5597	5541	5291	5695	5569	5264	5320	5531	5258	5301
5259	5556	5525	5589	5572	5275	5309	5553	5643	5611	5693	5686	5611
5684	5575	5616	5261	5606	5650	5595	5674	5639	5566	5310	5559	5501
5589	5619	5624	5306	5312	5611	5672	5580	5539	5261	5606	5624	5288
5293	5616	5678	5574	5506	5541	5256	5663	5560	5593	5556	5570	5554
5252	5269	5686	5576	5539	5516	5579	5615	5503	5545	5552	5658	5263
5559	5685	5681	5551	5304	5532	5662	5502	5584	5286	5503	5294	5519
5588	5324	5578	5696	5630	5500	5519	5564	5567	5624	5553	5669	5536
5518	5541	5642	5291	5649	5617	5510	5272	5614	5298	5504	5663	5549
5634	5495	5539	5267	5623	5290	5693	5534	5307	5677	5290	5526	5547
5302	5501	5601	5608	5579	5283	5691	5702	5707	5537	5300	5300	5689
5533	5622	5683	5691	5635	5504	5654	5495	5565	5314	5307	5594	5622
5562	5678	5646	5325	5693	5581	5312	5646	5590	5543	5670	5522	5257
5271	5636	5651	5567	5685	5524	5318	5605	5625	5516	5321	5586	5602
5297	5533	5320	5663	5564	5546	5532	5286	5654	5588	5305	5527	5582
5267	5543	5265	5302	5509	5253	5651	5594	5525	5330	5306	5569	5561
5272	5548	5705	5269	5297	5506	5629	5651	5582	5324	5652	5690	5260
5254	5701	5515	5544	5547	5285	5506	5667	5658	5698	5605	5558	5254
5289	5513	5645	5264	5656	5281	5286	5282	5516	5569	5565	5512	5515
5285	5658	5267	5678	5644	5702	5623	5581	5499	5251	5270	5259	5252
5592	5623	5268	5321	5609	5699	5614	5324	5605	5685	5529	5566	5608
5256	5710	5507	5546	5530	5255	5547	5512	5533	5538	5697	5280	5286
5517	5646	5566	5556	5322	5495	5254	5658	5538	5615	5588	5267	5289
5635	5624	5520	5599	5306	5257	5646	5687	5656	5264	5546	5618	5298
5257	5661	5699	5652	5600	5530	5321	5527	5267	5515	5671	5613	5687
5591	5579	5263	5308	5522	5280	5267	5251	5663	5265	5658	5310	5270
5555	5322	5644	5571	5562	5657	5620	5299	5553	5325	5587	5684	5692
5698	5565	5670	5327	5283	5667	5648	5618	5536	5660	5686	5312	5663
5280	5329	5667	5541	5646	5663	5584	5538	5634	5708	5700	5679	5683
5521	5296	5706	5259	5658	5651	5502	5578	5570	5252	5608	5590	5613
5264	5572	5541	5513	5639	5584	5631	5504	5277	5627	5663	5273	5591
5599	5325	5631	5670	5566	5263	5490	5700	5629	5266	5287	5256	5300
5582	5557	5583	5318	5505	5642	5703	5699	5543	5546	5616	5276	5302
5609	5551	5305	5490	5537	5277	5493	5590	5652	5282	5510	5546	5322
5516	5496	5672	5629	5538	5631	5307	5500	5530	5542	5314	5583	5621
5710	5607	5661	5586	5313	5560	5571	5288	5532	5527	5515	5275	5532
5505	5527	5597	5684	5542	5655	5580	5321	5309	5646	5540	5500	5597
5511	5698	5696	5568	5570	5586	5491	5546	5329	5508	5709	5646	5626
5253	5602	5324	5266	5278	5659	5253	5659	5580	5253	5649	5261	5664
5258	5592	5573	5579	5698	5299	5565	5643	5494	5602	5586	5702	5588
5608	5567	5612	5260	5288	5579	5305	5330	5310	5672	5289	5619	5318
5319	5610	5593	5668	5526	5600	5316	5325	5679	5688	5324	5498	5705
5300	5498	5669	5630	5258	5575	5311	5664	5610	5620	5502	5655	5630
5662	5319	5586	5653	5703	5673	5649	5688	5500	5323	5564	5556	
5615	5494	5610	5689	5689	5497	5621	5657	5593	5676	5280	5660	
5544	5558	5282	5626	5628	5675	5581	5621	5522	5702	5327	5528	
5565	5696	5570	5601	5674	5688		5665	5710	5500	5633	5587	
5628	5576	5294	5683	5545	5318		5317	5542	5619	5704	5688	
5583	5523	5574		5563	5491		5567	5288		5628	5533	
5546		5519			5294		5595	5640		5286	5490	
5263		5684					5706	5547		5594	5670	
5594		5548					5289	5698		5538	5297	
5604		5682					5694	5273		5542	5555	
5531		5572					5675	5326		5513	5523	

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

FCC-Type 6, Trial 2 of 3
All Frequencies in MHz

Trial #14	Trial #15	Trial #16	Trial #17	Trial #18	Trial #19	Trial #20	Trial #21	Trial #22	Trial #23	Trial #24	Trial #25	Trial #26
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5647	5546	5679	5495	5678	5315	5499	5672	5593	5537	5652	5614	5623
5634	5679	5547	5707	5700	5316	5525	5516	5323	5607	5507	5298	5626
5628	5597	5548	5493	5307	5560	5514	5296	5540	5677	5663	5642	5251
5540	5682	5314	5618	5275	5256	5654	5613	5651	5497	5493	5265	5311
5553	5685	5677	5261	5317	5293	5663	5641	5288	5660	5577	5710	5274
5516	5561	5694	5289	5641	5587	5492	5525	5705	5530	5564	5509	5493
5691	5254	5270	5521	5690	5528	5610	5620	5586	5491	5529	5498	5512
5708	5537	5291	5709	5628	5695	5526	5692	5660	5256	5316	5544	5570
5704	5520	5630	5323	5251	5644	5308	5258	5269	5313	5252	5282	5638
5707	5525	5554	5699	5273	5639	5650	5543	5596	5551	5492	5324	5632
5576	5265	5510	5642	5296	5663	5579	5640	5627	5576	5637	5297	5264
5311	5330	5606	5278	5639	5272	5280	5314	5581	5545	5607	5267	5602
5659	5667	5496	5701	5545	5659	5272	5579	5285	5291	5551	5607	5691
5290	5316	5664	5319	5672	5255	5493	5606	5513	5316	5282	5697	5704
5539	5616	5549	5563	5585	5597	5606	5329	5490	5562	5268	5507	5518
5669	5559	5493	5536	5514	5529	5612	5556	5330	5503	5623	5626	5688
5523	5303	5326	5617	5601	5308	5504	5291	5264	5278	5599	5684	5277
5279	5644	5695	5499	5571	5251	5564	5648	5576	5493	5302	5256	5614
5657	5620	5536	5572	5575	5687	5567	5703	5258	5667	5265	5665	5516
5664	5253	5503	5706	5665	5295	5559	5586	5577	5684	5500	5279	5706
5318	5551	5642	5676	5518	5686	5709	5666	5522	5627	5501	5291	5270
5592	5602	5492	5273	5528	5311	5554	5701	5557	5634	5693	5321	5601
5630	5504	5330	5557	5258	5314	5702	5285	5641	5625	5523	5573	5629
5678	5660	5624	5545	5677	5640	5661	5541	5648	5643	5649	5644	5560
5671	5631	5705	5298	5319	5532	5519	5260	5690	5294	5582	5592	5650
5608	5550	5607	5696	5524	5596	5251	5530	5307	5281	5680	5280	5652
5525	5621	5645	5619	5266	5704	5651	5699	5553	5295	5543	5322	5678
5590	5642	5653	5654	5294	5524	5682	5271	5521	5326	5664	5650	5568
5702	5562	5649	5629	5267	5669	5599	5312	5499	5571	5266	5662	5585
5325	5564	5573	5558	5310	5601	5549	5534	5507	5507	5644	5555	5584
5615	5287	5571	5634	5494	5511	5300	5655	5263	5541	5262	5551	5545
5313	5687	5495	5573	5652	5288	5541	5515	5623	5615	5643	5558	5287
5665	5659	5672	5580	5592	5584	5653	5547	5303	5656	5691	5261	5329
5281	5309	5545	5577	5291	5319	5527	5259	5701	5528	5511	5627	5326
5518	5310	5632	5661	5309	5703	5274	5549	5320	5552	5259	5307	5308
5256	5617	5531	5646	5299	5329	5649	5621	5524	5495	5532	5539	5504
5565	5656	5652	5678	5322	5656	5633	5267	5519	5266	5513	5513	5660
5637	5497	5635	5317	5304	5328	5320	5279	5637	5584	5658	5542	5664
5264	5567	5643	5694	5525	5298	5522	5597	5658	5538	5495	5700	5576
5618	5686	5550	5253	5252	5518	5309	5691	5298	5666	5703	5570	5628
5288	5266	5668	5284	5581	5567	5666	5649	5493	5608	5505	5316	5537
5632	5613	5575	5260	5521	5549	5289	5653	5530	5302	5504	5536	5517
5284	5502	5534	5667	5550	5263	5517	5594	5301	5665	5610	5709	5671
5555	5688	5578	5262	5673	5512	5538	5608	5621	5691	5562	5494	5521
5303	5637	5639	5308	5572	5517	5619	5562	5638	5581	5684	5690	5328
5636	5517	5307	5595	5686	5264	5656	5654	5539	5540	5308	5608	5254
5508	5590	5311	5505	5284	5641	5569	5604	5590	5650	5647	5288	5324
5674	5329	5633	5607	5614	5568	5580	5253	5636	5308	5595	5649	5630
5575	5653	5551	5267	5559	5709	5326	5545	5253	5682	5521	5597	5696
5640	5532	5682	5275	5691	5634	5273	5316	5612	5556	5256	5647	5676
5282	5531	5490	5309	5534	5646	5315	5251	5699	5544	5675	5594	5506
5312	5604	5259	5657	5574	5680	5329	5599	5545	5309	5297	5541	5305
5610	5527	5603	5288	5633	5260	5576	5680	5302	5704	5499	5628	5531
5558	5577	5699	5640	5598	5580	5277	5306	5645	5258	5679	5585	5595
5295	5629	5676	5535	5564	5583	5314	5664	5558	5542	5674	5533	5653
5514	5524	5538	5672	5586	5545	5563	5632	5313	5501	5558	5706	5532
5581	5655	5577	5684	5634	5630	5270	5668	5327	5293	5708	5567	5575
5567	5526	5562	5255	5280	5265	5620	5264	5665	5635	5542	5325	5574
5504	5571	5283	5700	5627	5602	5546	5315	5274	5574	5326	5593	5538
5272	5710	5288	5283	5569	5534	5257	5311	5640	5255	5271	5598	5552

STATISTICAL PERFORMANCE CHECK - MONITOR RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

FCC-Type 6, Trial 3 of 3
All Frequencies in MHz

Trial #27	Trial #28	Trial #29	Trial #30
PASS	PASS	PASS	PASS
5669	5551	5681	5557
5268	5679	5508	5292
5698	5629	5655	5308
5618	5262	5575	5710
5274	5544	5530	5251
5536	5552	5699	5629
5281	5618	5601	5613
5594	5569	5290	5540
5607	5603	5250	5493
5294	5601	5264	5542
5677	5622	5319	5708
5616	5285	5552	5615
5535	5491	5557	5652
5562	5559	5306	5256
5511	5653	5258	5553
5678	5267	5303	5531
5544	5623	5633	5560
5571	5520	5558	5534
5591	5505	5492	5675
5593	5612	5565	5281
5501	5542	5318	5544
5569	5500	5506	5537
5608	5539	5536	5610
5614	5710	5568	5529
5622	5526	5533	5318
5577	5257	5273	5656
5272	5508	5635	5310
5642	5662	5651	5324
5533	5647	5512	5665
5566	5616	5703	5254
5596	5524	5310	5505
5589	5642	5573	5250
5554	5543	5287	5278
5285	5501	5690	5692
5700	5510	5708	5594
5655	5283	5322	5645
5692	5537	5582	5600
5514	5576	5578	5602
5254	5321	5261	5673
5282	5581	5569	5303
5707	5706	5666	5283
5298	5270	5268	5507
5305	5286	5630	5690
5326	5496	5679	5264
5498	5617	5540	5520
5531	5265	5511	5691
5587	5327	5281	5568
5646	5604	5668	5662
5606	5295	5496	5510
5308	5535	5252	5634
5697	5664	5674	5494
5530	5512	5304	5586
5578	5292	5548	5275
5278	5256	5495	5564
5613	5683	5658	5679
5315	5669	5564	5288
5650	5253	5603	5611
5551	5584	5698	5295
5595	5528	5610	
5590	5566	5524	
5558	5300	5497	
5529	5654	5312	
5253	5709		
5504	5516		
5262	5568		
5684	5585		
5276			

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Agilent	V2920A	TIH	NCR	0
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Pre-Amplifier (FOR REFERENCE ONLY)	Hewlett-Packard	83017A	APL	NCR	0
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master and client were connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. For master devices, the detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. Where required, an approved Media file was streamed between the master and client or an alternative method to load the channel may be used instead. Channel loading requirements were also verified prior to testing. Configuration and status of the master and client devices were then monitored with the spectrum analyzer. Essentially, a move time test is performed on all the necessary radar types to make sure the master and client vacate the channel when a radar signal is injected. Numerous trials are performed for each radar type to establish a statistical analysis of detection probability, and the guidelines of section 7.8.4 of the procedure were used to calculate the data and determine if the results passed. For Radar Type 1 Test A and Radar Type 1 Test B, the trials were done as one test with the first 15 trials on Test A and the second 15 trials on Test B.

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

EUT:	SherwoodXD (extended distance)			Work Order:	FOCU0216
Serial Number:	02EA4FD0010F			Date:	09/22/15
Customer:	Summit Semiconductor LLC			Temperature:	22.4°C
Attendees:	David Schilling			Humidity:	39%
Project:	None			Barometric Pres.:	1016.9
Tested by:	Brandon Hobbs	Power:	3.3/1.2VDC Nominal	Job Site:	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

Configuration #	1	Signature

						Value	Limit	Result
Working Radio								
	48 kHz Sampling Frequency							
		5300 MHz						
		Radar 1A, Radar 1B					100.0%	60.0%	PASS
		Radar 2					90.0%	60.0%	PASS
		Radar 3					96.7%	60.0%	PASS
		Radar 4					93.3%	60.0%	PASS
		Radar 1-4 Summary	1	0.9	0.967	0.933	95.0%	80.0%	PASS
		Radar 5					100.0%	80.0%	PASS
		Radar 6					100.0%	80.0%	PASS

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Working Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 1A, Radar 1B

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Working Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 2

				Value	Limit	Result
				90.0%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	28	3.400 us	186.000 us
2	PASS	24	3.600 us	174.000 us
3	PASS	23	2.100 us	225.000 us
4	PASS	25	4.900 us	221.000 us
5	FAIL	27	3.600 us	196.000 us
6	PASS	26	2.000 us	151.000 us
7	PASS	23	1.400 us	179.000 us
8	PASS	28	4.000 us	214.000 us
9	PASS	23	3.500 us	208.000 us
10	PASS	23	2.500 us	200.000 us
11	PASS	26	2.700 us	218.000 us
12	PASS	28	3.700 us	184.000 us
13	PASS	24	2.200 us	200.000 us
14	PASS	26	4.900 us	201.000 us
15	PASS	26	1.400 us	196.000 us
16	PASS	25	3.200 us	172.000 us
17	PASS	27	1.600 us	217.000 us
18	FAIL	26	2.600 us	151.000 us
19	PASS	29	4.300 us	218.000 us
20	PASS	23	4.100 us	156.000 us
21	PASS	28	4.100 us	223.000 us
22	PASS	25	1.000 us	197.000 us
23	PASS	23	1.300 us	197.000 us
24	PASS	25	1.200 us	176.000 us
25	PASS	23	4.300 us	195.000 us
26	FAIL	29	4.700 us	195.000 us
27	PASS	28	4.900 us	227.000 us
28	PASS	28	1.200 us	177.000 us
29	PASS	29	1.700 us	222.000 us
30	PASS	26	1.700 us	190.000 us

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Working Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 3

				Value	Limit	Result
				96.7%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	17	6.200 us	448.000 us
2	PASS	16	6.000 us	249.000 us
3	PASS	18	6.700 us	369.000 us
4	PASS	16	8.300 us	500.000 us
5	PASS	18	8.000 us	389.000 us
6	PASS	16	8.800 us	251.000 us
7	PASS	16	9.800 us	391.000 us
8	PASS	16	9.500 us	288.000 us
9	PASS	16	8.900 us	353.000 us
10	PASS	17	9.400 us	261.000 us
11	PASS	17	6.200 us	309.000 us
12	PASS	18	6.800 us	387.000 us
13	PASS	17	9.300 us	246.000 us
14	PASS	18	10.000 us	498.000 us
15	PASS	16	9.900 us	304.000 us
16	PASS	16	7.900 us	317.000 us
17	PASS	18	7.200 us	489.000 us
18	PASS	16	7.200 us	314.000 us
19	PASS	16	6.900 us	217.000 us
20	PASS	18	6.700 us	474.000 us
21	PASS	17	8.800 us	394.000 us
22	PASS	17	9.800 us	289.000 us
23	PASS	18	8.100 us	426.000 us
24	PASS	18	6.200 us	396.000 us
25	PASS	16	7.300 us	381.000 us
26	PASS	16	9.700 us	327.000 us
27	PASS	17	7.600 us	446.000 us
28	PASS	16	7.300 us	304.000 us
29	FAIL	18	6.800 us	334.000 us
30	PASS	18	8.500 us	472.000 us

Working Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 4

				Value	Limit	Result
				93.3%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	14	16.400 us	436.000 us
2	PASS	15	19.200 us	413.000 us
3	FAIL	15	20.000 us	224.000 us
4	PASS	14	14.100 us	404.000 us
5	PASS	15	12.600 us	391.000 us
6	PASS	16	18.000 us	422.000 us
7	PASS	13	12.400 us	381.000 us
8	PASS	13	14.200 us	363.000 us
9	PASS	15	17.300 us	406.000 us
10	PASS	13	16.200 us	477.000 us
11	PASS	14	17.600 us	448.000 us
12	PASS	12	13.200 us	396.000 us
13	PASS	12	14.800 us	387.000 us
14	PASS	12	17.100 us	213.000 us
15	PASS	14	12.500 us	275.000 us
16	PASS	16	12.500 us	498.000 us
17	PASS	16	15.000 us	251.000 us
18	PASS	14	14.300 us	451.000 us
19	FAIL	13	15.000 us	337.000 us
20	PASS	13	12.600 us	401.000 us
21	PASS	16	12.200 us	293.000 us
22	PASS	13	14.100 us	326.000 us
23	PASS	15	19.200 us	476.000 us
24	PASS	15	18.000 us	334.000 us
25	PASS	12	14.000 us	357.000 us
26	PASS	12	19.800 us	324.000 us
27	PASS	16	12.000 us	261.000 us
28	PASS	16	14.600 us	482.000 us
29	PASS	14	14.000 us	392.000 us
30	PASS	13	13.900 us	445.000 us

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

XMit 2015.01.14

Working Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 1-4 Summary						
				Value	**Limit**	**Result**
100%	90%	96.70%	93.30%	95%	80%	PASS

Working Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 5						
				Value	**Limit**	**Result**
				100%	80%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

XMit 2015.01.14

Working Radio, 48 kHz Sampling Frequency, 5300 MHz, Radar 6						
				Value	**Limit**	**Result**
				100%	80%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5296200000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5296200000	YES	12000000	1	693174	693174	83.7	934.3	0	1018	---	---
1	5296200000	YES	12000000	2	694192	0	83.7	3921.3	301380	4005	5023	138
2	5296200000	YES	16000000	1	1436578	437001	70.6	1863.4	0	1934	---	---
2	5296200000	YES	16000000	2	1438512	0	70.6	3018.4	557553	3089	5023	87
3	5296200000	YES	14000000	1	2365833	366679	65.7	4957.3	627875	5023	5023	73
4	5296200000	YES	19000000	1	3159467	160736	77	4946	833818	5023	5023	32
5	5296200000	YES	9000000	1	4400148	401840	78.3	965.7	0	1044	---	---
5	5296200000	YES	9000000	2	4401192	0	78.3	3900.7	592714	3979	5023	80
6	5296200000	YES	6000000	1	5540369	542484	96.1	1870.9	0	1967	---	---
6	5296200000	YES	6000000	2	5542336	0	96.1	1320.9	0	1417	---	---
6	5296200000	YES	6000000	3	5543753	0	96.1	1542.9	452070	1639	5023	108
7	5296200000	YES	5000000	1	6846349	848887	70.8	1646.2	0	1717	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5296300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5296300000	YES	6000000	1	385344	385344	52.6	5299.4	310416	5352	5352	72
2	5296300000	YES	16000000	1	1316592	615480	50.5	5301.5	80280	5352	5352	115
3	5296300000	YES	17000000	1	1664472	262248	78.8	5273.2	433512	5352	5352	49
4	5296300000	YES	12000000	1	2172912	69576	57.9	5294.1	626184	5352	5352	13
5	5296300000	YES	18000000	1	2874024	69576	63.3	5288.7	626184	5352	5352	13
6	5296300000	YES	10000000	1	3960480	454920	65.5	1427.5	0	1493	---	---
6	5296300000	YES	10000000	2	3961973	0	65.5	3793.5	240840	3859	5352	85
7	5296300000	YES	17000000	1	4768632	561960	66.1	1184.9	0	1251	---	---
7	5296300000	YES	17000000	2	4769883	0	66.1	1445.9	0	1512	---	---
7	5296300000	YES	17000000	3	4771395	0	66.1	2522.9	133800	2589	5352	105
8	5296300000	YES	13000000	1	5164680	256896	59.2	1626.8	0	1686	---	---

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5295300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5295300000	YES	7000000	1	150164	150164	71.1	1438.9	0	1510	---	---
1	5295300000	YES	7000000	2	151674	0	71.1	1623.9	0	1695	---	---
1	5295300000	YES	7000000	3	153369	0	71.1	2086.9	547026	2158	5363	28
2	5295300000	YES	6000000	1	959977	257424	79.5	1756.5	0	1836	---	---
2	5295300000	YES	6000000	2	961813	0	79.5	3447.5	439766	3527	5363	48
3	5295300000	YES	13000000	1	1630352	225246	69.2	1284.8	0	1354	---	---
3	5295300000	YES	13000000	2	1631706	0	69.2	3939.8	471944	4009	5363	42
4	5295300000	YES	5000000	1	2236371	128712	53.1	1475.9	0	1529	---	---
4	5295300000	YES	5000000	2	2237900	0	53.1	1659.9	0	1713	---	---
4	5295300000	YES	5000000	3	2239613	0	53.1	2067.9	568478	2121	5363	24

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5297300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5297300000	YES	6000000	1	181424	181424	87.7	1199.3	0	1287	---	---
1	5297300000	YES	6000000	2	182711	0	87.7	1117.3	0	1205	---	---
1	5297300000	YES	6000000	3	183916	0	87.7	2756.3	442888	2844	5336	34
2	5297300000	YES	10000000	1	1072536	442888	72.7	1143.3	0	1216	---	---
2	5297300000	YES	10000000	2	1073752	0	72.7	4047.3	181424	4120	5336	83
3	5297300000	YES	20000000	1	1622144	362848	83.7	1114.3	0	1198	---	---
3	5297300000	YES	20000000	2	1623342	0	83.7	4054.3	261464	4138	5336	68
4	5297300000	YES	15000000	1	1920960	32016	63.3	1272.7	0	1336	---	---
4	5297300000	YES	15000000	2	1922296	0	63.3	3936.7	592296	4000	5336	6
5	5297300000	YES	10000000	1	2700016	181424	67.4	1089.6	0	1157	---	---
5	5297300000	YES	10000000	2	2701173	0	67.4	4111.6	442888	4179	5336	34
6	5297300000	YES	19000000	1	3265632	117392	51.4	5284.6	506920	5336	5336	22
7	5297300000	YES	17000000	1	4258128	480240	72	5264	144072	5336	5336	90
8	5297300000	YES	15000000	1	4823744	416208	61.2	5274.8	208104	5336	5336	78
9	5297300000	YES	20000000	1	5117224	80040	69.6	1887.4	0	1957	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5298300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5298300000	YES	7000000	1	913710	913710	84.8	1279.2	0	1364	---	---
1	5298300000	YES	7000000	2	915074	0	84.8	1571.2	0	1656	---	---
1	5298300000	YES	7000000	3	916730	0	84.8	1246.2	169689	1331	4351	210
2	5298300000	YES	9000000	1	1905738	817988	60.3	1732.7	0	1793	---	---
2	5298300000	YES	9000000	2	1907531	0	60.3	2497.7	265411	2558	4351	188
3	5298300000	YES	11000000	1	3241495	1065995	55.6	4295.4	17404	4351	4351	245
4	5298300000	YES	19000000	1	3976814	713564	68.1	1217.9	0	1286	---	---
4	5298300000	YES	19000000	2	3978100	0	68.1	1038.9	0	1107	---	---
4	5298300000	YES	19000000	3	3979207	0	68.1	1889.9	369835	1958	4351	164
5	5298300000	YES	18000000	1	4551146	200146	87.6	4263.4	883253	4351	4351	46
6	5298300000	YES	16000000	1	5825989	387239	50	1264	0	1314	---	---
6	5298300000	YES	16000000	2	5827303	0	50	2987	696160	3037	4351	89
7	5298300000	YES	18000000	1	6722295	195795	54.5	1258.5	0	1313	---	---
7	5298300000	YES	18000000	2	6723608	0	54.5	2983.5	887604	3038	4351	45
8	5298300000	YES	16000000	1	8049350	435100	53.1	1790.9	0	1844	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5299300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5299300000	YES	6000000	1	829850	829850	65.9	983.1	0	1049	---	---
1	5299300000	YES	6000000	2	830899	0	65.9	1187.1	0	1253	---	---
1	5299300000	YES	6000000	3	832152	0	65.9	2374.1	161228	2440	4742	175
2	5299300000	YES	7000000	1	1190242	194422	64.9	4677.1	796656	4742	4742	41
3	5299300000	YES	10000000	1	2878394	886754	67.1	1189.9	0	1257	---	---
3	5299300000	YES	10000000	2	2879651	0	67.1	1330.9	0	1398	---	---
3	5299300000	YES	10000000	3	2881049	0	67.1	2019.9	104324	2087	4742	187
4	5299300000	YES	6000000	1	3082300	94840	85.4	915.6	0	1001	---	---
4	5299300000	YES	6000000	2	3083301	0	85.4	1580.6	0	1666	---	---

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5299400000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5299400000	YES	7000000	1	987870	987870	77.9	1898.1	0	1976	---	---
1	5299400000	YES	7000000	2	989846	0	77.9	1829.1	0	1907	---	---
1	5299400000	YES	7000000	3	991753	0	77.9	1850.1	5811	1928	5811	170
2	5299400000	YES	8000000	1	1383018	383526	64.9	5746.1	610155	5811	5811	66
3	5299400000	YES	16000000	1	2126826	127842	84.2	5726.8	865839	5811	5811	22
4	5299400000	YES	18000000	1	3306459	307983	79.5	5731.5	685698	5811	5811	53
5	5299400000	YES	6000000	1	4003779	5811	62.3	1119.7	0	1182	---	---
5	5299400000	YES	6000000	2	4004961	0	62.3	4566.7	987870	4629	5811	1
6	5299400000	YES	15000000	1	5148546	151086	64	1088	0	1152	---	---
6	5299400000	YES	15000000	2	5149698	0	64	4595	842595	4659	5811	26
7	5299400000	YES	18000000	1	6944145	947193	61.2	1582.8	0	1644	---	---
7	5299400000	YES	18000000	2	6945789	0	61.2	1324.8	0	1386	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5298400000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5298400000	YES	12000000	1	338618	338618	84.1	4969.9	454860	5054	5054	67
2	5298400000	YES	9000000	1	1420174	621642	51.2	1137.8	0	1189	---	---
2	5298400000	YES	9000000	2	1421363	0	51.2	1313.8	0	1365	---	---
2	5298400000	YES	9000000	3	1422728	0	51.2	2448.8	171836	2500	5054	123
3	5298400000	YES	15000000	1	1748684	151620	81.9	1268.1	0	1350	---	---
3	5298400000	YES	15000000	2	1750034	0	81.9	1372.1	0	1454	---	---
3	5298400000	YES	15000000	3	1751488	0	81.9	2168.1	641858	2250	5054	30
4	5298400000	YES	17000000	1	2966698	571102	90.5	1845.5	0	1936	---	---
4	5298400000	YES	17000000	2	2968634	0	90.5	1261.5	0	1352	---	---
4	5298400000	YES	17000000	3	2969986	0	90.5	1675.5	222376	1766	5054	113
5	5298400000	YES	11000000	1	3537800	343672	55.8	1507.2	0	1563	---	---
5	5298400000	YES	11000000	2	3539363	0	55.8	3435.2	449806	3491	5054	68
6	5298400000	YES	7000000	1	4578924	586264	72.5	4981.5	207214	5054	5054	116
7	5298400000	YES	11000000	1	5584670	793478	76.8	4977.2	0	5054	5054	157

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5297400000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5297400000	YES	9000000	1	198030	198030	69.5	1463.5	0	1533	---	---
1	5297400000	YES	9000000	2	199563	0	69.5	3227.5	463680	3297	4830	41
2	5297400000	YES	19000000	1	1110900	444360	59.2	4770.8	217350	4830	4830	92
3	5297400000	YES	18000000	1	1391040	57960	90.9	4739.1	603750	4830	4830	12
4	5297400000	YES	10000000	1	2376360	376740	92.8	1614.2	0	1707	---	---
4	5297400000	YES	10000000	2	2378067	0	92.8	1784.2	0	1877	---	---
4	5297400000	YES	10000000	3	2379944	0	92.8	1153.2	284970	1246	4830	78
5	5297400000	YES	11000000	1	2994600	328440	51.4	4778.6	333270	4830	4830	68
6	5297400000	YES	9000000	1	3743250	410550	52.1	1742.9	0	1795	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5296500000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5296500000	YES	7000000	1	1072662	1072662	70.1	1020.9	0	1091	---	---
1	5296500000	YES	7000000	2	1073753	0	70.1	3364.9	13578	3435	4526	237
2	5296500000	YES	17000000	1	1556944	466178	65.8	1813.2	0	1879	---	---
2	5296500000	YES	17000000	2	1558823	0	65.8	2581.2	620062	2647	4526	103
3	5296500000	YES	12000000	1	2299208	117676	86.1	1769.9	0	1856	---	---
3	5296500000	YES	12000000	2	2301064	0	86.1	2583.9	968564	2670	4526	26
4	5296500000	YES	8000000	1	4059822	787524	51.9	1042.1	0	1094	---	---
4	5296500000	YES	8000000	2	4060916	0	51.9	1211.1	0	1263	---	---
4	5296500000	YES	8000000	3	4062179	0	51.9	2117.1	298716	2169	4526	174

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5296900000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5296900000	YES	19000000	1	636174	636174	78.3	1377.7	0	1456	---	---
1	5296900000	YES	19000000	2	637630	0	78.3	3514.7	212058	3593	5049	126
2	5296900000	YES	16000000	1	1418769	565488	77.6	1431.4	0	1509	---	---
2	5296900000	YES	16000000	2	1420278	0	77.6	3462.4	282744	3540	5049	112
3	5296900000	YES	18000000	1	1721709	15147	97.6	4951.4	833085	5049	5049	3
4	5296900000	YES	13000000	1	3039498	479655	67.8	1013.2	0	1081	---	---
4	5296900000	YES	13000000	2	3040579	0	67.8	1143.2	0	1211	---	---
4	5296900000	YES	13000000	3	3041790	0	67.8	2689.2	368577	2757	5049	95
5	5296900000	YES	10000000	1	3549447	136323	91.6	945.4	0	1037	---	---
5	5296900000	YES	10000000	2	3550484	0	91.6	3920.4	711909	4012	5049	27
6	5296900000	YES	7000000	1	4882383	615978	60.9	1292.1	0	1353	---	---
6	5296900000	YES	7000000	2	4883736	0	60.9	3635.1	232254	3696	5049	122
7	5296900000	YES	6000000	1	5250960	131274	96.1	1644.9	0	1741	---	---
7	5296900000	YES	6000000	2	5252701	0	96.1	1383.9	0	1480	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5295900000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5295900000	YES	6000000	1	546625	546625	64.8	1159.2	0	1224	---	---
1	5295900000	YES	6000000	2	547849	0	64.8	1673.2	0	1738	---	---
1	5295900000	YES	6000000	3	549587	0	64.8	1346.2	778394	1411	4373	125
2	5295900000	YES	18000000	1	2190873	861481	71.9	4301.1	463538	4373	4373	197
3	5295900000	YES	7000000	1	3638336	979552	70.2	4302.8	345467	4373	4373	224
4	5295900000	YES	11000000	1	4670364	682188	87.4	960.6	0	1048	---	---
4	5295900000	YES	11000000	2	4671412	0	87.4	3237.6	642831	3325	4373	156
5	5295900000	YES	8000000	1	6625095	1307527	80.6	4292.4	17492	4373	4373	299
6	5295900000	YES	19000000	1	7626512	979552	72.6	1393.4	0	1466	---	---
6	5295900000	YES	19000000	2	7627978	0	72.6	2834.4	345467	2907	4373	224
7	5295900000	YES	6000000	1	8606064	629712	88.1	985.9	0	1074	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5297900000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5297900000	YES	7000000	1	800224	800224	65.7	1404.3	0	1470	---	---
1	5297900000	YES	7000000	2	801694	0	65.7	1134.3	0	1200	---	---
1	5297900000	YES	7000000	3	802894	0	65.7	3148.3	47072	3214	5884	136
2	5297900000	YES	14000000	1	1647520	794340	52.3	1913.7	0	1966	---	---
2	5297900000	YES	14000000	2	1649486	0	52.3	1880.7	0	1933	---	---
2	5297900000	YES	14000000	3	1651419	0	52.3	1932.7	52956	1985	5884	135
3	5297900000	YES	8000000	1	1847576	141216	89.9	5794.1	706080	5884	5884	24
4	5297900000	YES	12000000	1	2594844	35304	51.1	5832.9	811992	5884	5884	6
5	5297900000	YES	17000000	1	4024656	611936	93.7	5790.3	235360	5884	5884	104
6	5297900000	YES	11000000	1	4277668	11768	92	1441	0	1533	---	---
6	5297900000	YES	11000000	2	4279201	0	92	4259	835528	4351	5884	2

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5298900000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5298900000	YES	12000000	1	54054	54054	68.9	1510.1	0	1579	---	---
1	5298900000	YES	12000000	2	55633	0	68.9	3266.1	737100	3335	4914	11
2	5298900000	YES	10000000	1	1498770	702702	99.4	1658.6	0	1758	---	---
2	5298900000	YES	10000000	2	1500528	0	99.4	1683.6	0	1783	---	---
2	5298900000	YES	10000000	3	1502311	0	99.4	1273.6	88452	1373	4914	143
3	5298900000	YES	11000000	1	2270268	678132	75.8	4838.2	113022	4914	4914	138
4	5298900000	YES	16000000	1	2437344	49140	84.8	1468.2	0	1553	---	---
4	5298900000	YES	16000000	2	2438897	0	84.8	1259.2	0	1344	---	---
4	5298900000	YES	16000000	3	2440241	0	84.8	1932.2	742014	2017	4914	10

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5299100000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5299100000	YES	10000000	1	1100116	1100116	77.6	4726.4	91276	4804	4804	229
2	5299100000	YES	7000000	1	2339548	1143352	77	4727	48040	4804	4804	238
3	5299100000	YES	17000000	1	2964068	571676	79.8	1784.2	0	1864	---	---
3	5299100000	YES	17000000	2	2965932	0	79.8	2860.2	619716	2940	4804	119
4	5299100000	YES	16000000	1	4275560	686972	54.5	4749.5	504420	4804	4804	143
5	5299100000	YES	15000000	1	4871256	86472	58.6	1582.4	0	1641	---	---
5	5299100000	YES	15000000	2	4872897	0	58.6	1165.4	0	1224	---	---
5	5299100000	YES	15000000	3	4874121	0	58.6	1880.4	1104920	1939	4804	18
6	5299100000	YES	17000000	1	7004232	1023252	54.6	4749.4	168140	4804	4804	213
7	5299100000	YES	14000000	1	8013072	835896	79.6	1598.4	0	1678	---	---
7	5299100000	YES	14000000	2	8014750	0	79.6	1156.4	0	1236	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5301000000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5301000000	YES	9000000	1	43497	43497	95.5	966.5	0	1062	---	---
1	5301000000	YES	9000000	2	44559	0	95.5	1067.5	0	1163	---	---
1	5301000000	YES	9000000	3	45722	0	95.5	2512.5	1039095	2608	4833	9
2	5301000000	YES	20000000	1	1802709	715284	69.2	1142.8	0	1212	---	---
2	5301000000	YES	20000000	2	1803921	0	69.2	3551.8	367308	3621	4833	148
3	5301000000	YES	10000000	1	2725812	550962	53.1	1053.9	0	1107	---	---
3	5301000000	YES	10000000	2	2726919	0	53.1	3672.9	531630	3726	4833	114

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5302000000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5302000000	YES	15000000	1	41670	41670	86	1082	0	1168	---	---
1	5302000000	YES	15000000	2	42838	0	86	3376	1152870	3462	4630	9
2	5302000000	YES	18000000	1	1509380	310210	75.4	1392.6	0	1468	---	---
2	5302000000	YES	18000000	2	1510848	0	75.4	1302.6	0	1378	---	---
2	5302000000	YES	18000000	3	1512226	0	75.4	1708.6	884330	1784	4630	67
3	5302000000	YES	9000000	1	3301190	902850	56	1855	0	1911	---	---
3	5302000000	YES	9000000	2	3303101	0	56	2663	291690	2719	4630	195
4	5302000000	YES	5000000	1	4555920	958410	77.6	4552.4	236130	4630	4630	207
5	5302000000	YES	14000000	1	5977330	1180650	83	1569	0	1652	---	---

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5303000000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5303000000	YES	11000000	1	424678	424678	56.8	5122.2	233055	5179	5179	82
2	5303000000	YES	10000000	1	792387	129475	74.4	5104.6	528258	5179	5179	25
3	5303000000	YES	18000000	1	1905872	580048	73.7	5105.3	77685	5179	5179	112
4	5303000000	YES	6000000	1	2252865	264129	54.1	1621.9	0	1676	---	---
4	5303000000	YES	6000000	2	2254541	0	54.1	1438.9	0	1493	---	---
4	5303000000	YES	6000000	3	2256034	0	54.1	1955.9	393604	2010	5179	51
5	5303000000	YES	13000000	1	2889882	238234	80.6	1545.4	0	1626	---	---
5	5303000000	YES	13000000	2	2891508	0	80.6	1065.4	0	1146	---	---
5	5303000000	YES	13000000	3	2892654	0	80.6	2326.4	419499	2407	5179	46
6	5303000000	YES	8000000	1	3578689	264129	82	5097	393604	5179	5179	51
7	5303000000	YES	13000000	1	4402150	424678	76.1	5102.9	233055	5179	5179	82
8	5303000000	YES	6000000	1	4686995	46611	89.1	1796.9	0	1886	---	---
8	5303000000	YES	6000000	2	4688881	0	89.1	3203.9	611122	3293	5179	9
9	5303000000	YES	5000000	1	5458666	155370	59.8	1473.2	0	1533	---	---

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5304000000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5304000000	YES	11000000	1	143312	143312	55.7	1297.3	0	1353	---	---
1	5304000000	YES	11000000	2	144665	0	55.7	4103.3	556712	4159	5512	26
2	5304000000	YES	11000000	1	1378000	672464	98.1	5413.9	27560	5512	5512	122
3	5304000000	YES	19000000	1	1411072	0	79.2	1131.8	0	1211	---	---
3	5304000000	YES	19000000	2	1412283	0	79.2	1874.8	0	1954	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5305000000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5305000000	YES	12000000	1	429528	429528	87.7	1467.3	0	1555	---	---
1	5305000000	YES	12000000	2	431083	0	87.7	3238.3	761436	3326	4881	88
2	5305000000	YES	16000000	1	1488705	292860	61.6	1363.4	0	1425	---	---
2	5305000000	YES	16000000	2	1490130	0	61.6	1014.4	0	1076	---	---
2	5305000000	YES	16000000	3	1491206	0	61.6	2318.4	898104	2380	4881	60
3	5305000000	YES	8000000	1	2972529	580839	76.8	1902.2	0	1979	---	---
3	5305000000	YES	8000000	2	2974508	0	76.8	2825.2	610125	2902	4881	119

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5306000000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5306000000	YES	10000000	1	346323	346323	56.8	1854.2	0	1911	---	---
1	5306000000	YES	10000000	2	348234	0	56.8	3201.2	248112	3258	5169	67
2	5306000000	YES	16000000	1	858054	258450	85	1310	0	1395	---	---
2	5306000000	YES	16000000	2	859449	0	85	3689	335985	3774	5169	50
3	5306000000	YES	19000000	1	1535193	335985	84.7	5084.3	258450	5169	5169	65

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5307000000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5307000000	YES	14000000	1	432184	432184	61.7	1179.3	0	1241	---	---
1	5307000000	YES	14000000	2	433425	0	61.7	1411.3	0	1473	---	---
1	5307000000	YES	14000000	3	434898	0	61.7	2080.3	310784	2142	4856	89
2	5307000000	YES	19000000	1	951776	203952	68.7	1199.3	0	1268	---	---
2	5307000000	YES	19000000	2	953044	0	68.7	3519.3	539016	3588	4856	42
3	5307000000	YES	11000000	1	1932688	437040	72.8	1100.2	0	1173	---	---
3	5307000000	YES	11000000	2	1933861	0	72.8	1415.2	0	1488	---	---
3	5307000000	YES	11000000	3	1935349	0	72.8	2122.2	305928	2195	4856	90
4	5307000000	YES	6000000	1	2340592	97120	80.3	1584.7	0	1665	---	---
4	5307000000	YES	6000000	2	2342257	0	80.3	3110.7	645848	3191	4856	20
5	5307000000	YES	12000000	1	3098128	106832	78.3	1666.7	0	1745	---	---
5	5307000000	YES	12000000	2	3099873	0	78.3	1709.7	0	1788	---	---
5	5307000000	YES	12000000	3	3101661	0	78.3	1244.7	636136	1323	4856	22

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5307300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5307300000	YES	17000000	1	587424	587424	99	906	0	1005	---	---
1	5307300000	YES	17000000	2	588429	0	99	1243	0	1342	---	---
1	5307300000	YES	17000000	3	589771	0	99	2618	202560	2717	5064	116
2	5307300000	YES	8000000	1	1397664	602616	82.6	4981.4	187368	5064	5064	119
3	5307300000	YES	9000000	1	1620480	30384	67	1132	0	1199	---	---
3	5307300000	YES	9000000	2	1621679	0	67	3798	759600	3865	5064	6
4	5307300000	YES	19000000	1	2471232	86088	53.4	5010.6	703896	5064	5064	17
5	5307300000	YES	15000000	1	3271344	91152	75.4	4988.6	698832	5064	5064	18

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5306300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5306300000	YES	7000000	1	150220	150220	75.3	1636.7	0	1712	---	---
1	5306300000	YES	7000000	2	151932	0	75.3	3577.7	509675	3653	5365	28
2	5306300000	YES	5000000	1	708180	42920	73.6	5291.4	616975	5365	5365	8
3	5306300000	YES	13000000	1	1453915	123395	56.4	1763.6	0	1820	---	---
3	5306300000	YES	13000000	2	1455735	0	56.4	3488.6	536500	3545	5365	23
4	5306300000	YES	7000000	1	2543010	547230	73.9	5291.1	112665	5365	5365	102
5	5306300000	YES	8000000	1	2956115	295075	97.9	5267.1	364820	5365	5365	55
6	5306300000	YES	18000000	1	3675025	348725	98.1	5266.9	311170	5365	5365	65
7	5306300000	YES	7000000	1	4243715	252155	51	954	0	1005	---	---
7	5306300000	YES	7000000	2	4244720	0	51	4309	407740	4360	5365	47
8	5306300000	YES	20000000	1	4908975	252155	94.5	938.5	0	1033	---	---
8	5306300000	YES	20000000	2	4910008	0	94.5	4237.5	407740	4332	5365	47
9	5306300000	YES	17000000	1	5692265	370185	66.2	5298.8	289710	5365	5365	69
10	5306300000	YES	13000000	1	6615045	627705	70.8	1100.2	0	1171	---	---
10	5306300000	YES	13000000	2	6616216	0	70.8	1359.2	0	1430	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5305300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5305300000	YES	9000000	1	149160	149160	93.3	1193.7	0	1287	---	---
1	5305300000	YES	9000000	2	150447	0	93.3	1521.7	0	1615	---	---
1	5305300000	YES	9000000	3	152062	0	93.3	1524.7	551440	1618	4520	33
2	5305300000	YES	17000000	1	1071240	366120	79.3	4440.7	334480	4520	4520	81
3	5305300000	YES	16000000	1	1609120	198880	52.5	1055.5	0	1108	---	---
3	5305300000	YES	16000000	2	1610228	0	52.5	1218.5	0	1271	---	---
3	5305300000	YES	16000000	3	1611499	0	52.5	2088.5	501720	2141	4520	44
4	5305300000	YES	5000000	1	2761720	646360	60.6	1236.4	0	1297	---	---
4	5305300000	YES	5000000	2	2763017	0	60.6	3162.4	54240	3223	4520	143
5	5305300000	YES	15000000	1	2951560	131080	71.6	1888.4	0	1960	---	---
5	5305300000	YES	15000000	2	2953520	0	71.6	2488.4	569520	2560	4520	29

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5304300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5304300000	YES	7000000	1	960564	960564	56	4157	122177	4213	4213	228
2	5304300000	YES	11000000	1	2005388	918434	89.3	919.7	0	1009	---	---
2	5304300000	YES	11000000	2	2006397	0	89.3	3114.7	164307	3204	4213	218
3	5304300000	YES	15000000	1	2603634	429726	72.4	1088.6	0	1161	---	---
3	5304300000	YES	15000000	2	2604795	0	72.4	2979.6	653015	3052	4213	102
4	5304300000	YES	9000000	1	4314112	1053250	81.6	1261.4	0	1343	---	---
4	5304300000	YES	9000000	2	4315455	0	81.6	2788.4	29491	2870	4213	250
5	5304300000	YES	15000000	1	4680643	332827	63.5	975.5	0	1039	---	---
5	5304300000	YES	15000000	2	4681682	0	63.5	3110.5	749914	3174	4213	79
6	5304300000	YES	14000000	1	6235240	800470	85.3	1530.7	0	1616	---	---
6	5304300000	YES	14000000	2	6236856	0	85.3	2511.7	282271	2597	4213	190
7	5304300000	YES	6000000	1	7431732	910008	95.7	1664.3	0	1760	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5303300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5303300000	YES	19000000	1	294966	294966	58.2	1556.8	0	1615	---	---
1	5303300000	YES	19000000	2	296581	0	58.2	977.8	0	1036	---	---
1	5303300000	YES	19000000	3	297617	0	58.2	1972.8	496292	2031	4682	63
2	5303300000	YES	18000000	1	903626	107686	83.4	1644.6	0	1728	---	---
2	5303300000	YES	18000000	2	905354	0	83.4	2870.6	683572	2954	4682	23
3	5303300000	YES	17000000	1	1877482	285602	85.9	1413.1	0	1499	---	---
3	5303300000	YES	17000000	2	1878981	0	85.9	3097.1	505656	3183	4682	61
4	5303300000	YES	16000000	1	3141622	753802	77.4	1016.6	0	1094	---	---
4	5303300000	YES	16000000	2	3142716	0	77.4	3510.6	37456	3588	4682	161
5	5303300000	YES	5000000	1	3225898	42138	51.6	1936.4	0	1988	---	---
5	5303300000	YES	5000000	2	3227886	0	51.6	2642.4	749120	2694	4682	9
6	5303300000	YES	17000000	1	4424490	444790	54.8	1853.2	0	1908	---	---
6	5303300000	YES	17000000	2	4426398	0	54.8	2719.2	346468	2774	4682	95
7	5303300000	YES	14000000	1	5454530	678890	58.9	1298.1	0	1357	---	---
7	5303300000	YES	14000000	2	5455887	0	58.9	1281.1	0	1340	---	---
7	5303300000	YES	14000000	3	5457227	0	58.9	1926.1	112368	1985	4682	145
8	5303300000	YES	8000000	1	5730768	159188	65.9	1564.1	0	1630	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5302300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5302300000	YES	18000000	1	430276	430276	73.3	1880.7	0	1954	---	---
1	5302300000	YES	18000000	2	432230	0	73.3	1855.7	0	1929	---	---
1	5302300000	YES	18000000	3	434159	0	73.3	1631.7	195580	1705	5588	77
2	5302300000	YES	13000000	1	888492	257048	55.1	974.9	0	1030	---	---
2	5302300000	YES	13000000	2	889522	0	55.1	4502.9	368808	4558	5588	46
3	5302300000	YES	11000000	1	1687576	424688	70.3	5517.7	201168	5588	5588	76
4	5302300000	YES	9000000	1	2039620	145288	79.2	1500.8	0	1580	---	---
4	5302300000	YES	9000000	2	2041200	0	79.2	1130.8	0	1210	---	---
4	5302300000	YES	9000000	3	2042410	0	79.2	2718.8	480568	2798	5588	26
5	5302300000	YES	8000000	1	2704592	178816	77.5	1307.5	0	1385	---	---
5	5302300000	YES	8000000	2	2705977	0	77.5	4125.5	447040	4203	5588	32
6	5302300000	YES	9000000	1	3386328	229108	86.7	961.3	0	1048	---	---
6	5302300000	YES	9000000	2	3387376	0	86.7	1337.3	0	1424	---	---

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5301300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5301300000	YES	20000000	1	342342	342342	95.4	3362.6	401128	3458	3458	99
2	5301300000	YES	12000000	1	767676	20748	97.6	1000.4	0	1098	---	---
2	5301300000	YES	12000000	2	768774	0	97.6	2262.4	722722	2360	3458	6
3	5301300000	YES	7000000	1	2119754	625898	63.9	1914.1	0	1978	---	---
3	5301300000	YES	7000000	2	2121732	0	63.9	1416.1	117572	1480	3458	181
4	5301300000	YES	17000000	1	2673034	432250	76.5	1383.5	0	1460	---	---
4	5301300000	YES	17000000	2	2674494	0	76.5	1921.5	311220	1998	3458	125
5	5301300000	YES	10000000	1	3302390	314678	81.3	1174.7	0	1256	---	---
5	5301300000	YES	10000000	2	3303646	0	81.3	2120.7	428792	2202	3458	91
6	5301300000	YES	10000000	1	3928288	193648	94.5	1679.5	0	1774	---	---

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5300300000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5300300000	YES	9000000	1	38598	38598	85.7	5428.3	584484	5514	5514	7
2	5300300000	YES	11000000	1	1042146	413550	59.3	5454.7	209532	5514	5514	75
3	5300300000	YES	5000000	1	1676256	419064	56.8	1144.2	0	1201	---	---
3	5300300000	YES	5000000	2	1677457	0	56.8	4256.2	204018	4313	5514	76
4	5300300000	YES	20000000	1	2150460	264672	67.1	1221.9	0	1289	---	---
4	5300300000	YES	20000000	2	2151749	0	67.1	1333.9	0	1401	---	---
4	5300300000	YES	20000000	3	2153150	0	67.1	2756.9	358410	2824	5514	48
5	5300300000	YES	5000000	1	2757000	242616	50.3	1613.7	0	1664	---	---
5	5300300000	YES	5000000	2	2758664	0	50.3	3799.7	380466	3850	5514	44
6	5300300000	YES	15000000	1	3165036	22056	50.4	1556.6	0	1607	---	---
6	5300300000	YES	15000000	2	3166643	0	50.4	3856.6	601026	3907	5514	4
7	5300300000	YES	19000000	1	4372602	601026	52.6	1293.4	0	1346	---	---
7	5300300000	YES	19000000	2	4373948	0	52.6	4115.4	22056	4168	5514	109
8	5300300000	YES	9000000	1	4405686	5514	93.8	1334.2	0	1428	---	---
8	5300300000	YES	9000000	2	4407114	0	93.8	979.2	0	1073	---	---
8	5300300000	YES	9000000	3	4408187	0	93.8	2919.2	617568	3013	5514	1

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC

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FCC-Type 6, Trial 1 of 3
All Frequencies in MHz

Trial #1	Trial #2	Trial #3	Trial #4	Trial #5	Trial #6	Trial #7	Trial #8	Trial #9	Trial #10	Trial #11	Trial #12	Trial #13
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5573	5269	5599	5269	5528	5688	5280	5271	5258	5579	5495	5610	5253
5528	5303	5580	5305	5636	5532	5701	5588	5328	5653	5271	5320	5327
5693	5584	5255	5618	5504	5594	5530	5681	5300	5503	5627	5615	5499
5659	5306	5595	5610	5698	5260	5631	5531	5567	5586	5274	5266	5698
5616	5599	5535	5270	5635	5708	5603	5520	5612	5695	5311	5533	5614
5650	5604	5296	5706	5505	5693	5644	5572	5572	5611	5297	5684	5256
5505	5302	5573	5607	5317	5690	5710	5672	5616	5303	5512	5290	5295
5278	5651	5272	5288	5493	5631	5646	5306	5512	5615	5650	5571	5498
5593	5616	5571	5577	5652	5271	5514	5709	5515	5327	5306	5613	5533
5630	5513	5538	5541	5558	5555	5635	5270	5640	5591	5563	5495	5585
5258	5653	5609	5666	5584	5680	5578	5505	5576	5315	5268	5605	5323
5710	5579	5648	5702	5258	5269	5554	5274	5538	5319	5669	5639	5529
5527	5684	5690	5639	5298	5547	5695	5515	5532	5603	5645	5563	5264
5585	5325	5303	5304	5511	5639	5551	5576	5706	5606	5538	5678	5675
5291	5518	5532	5583	5708	5678	5281	5513	5254	5665	5620	5658	5662
5618	5300	5686	5708	5644	5515	5617	5671	5311	5544	5535	5294	5624
5316	5606	5679	5329	5634	5567	5500	5676	5525	5620	5680	5496	5517
5570	5320	5267	5317	5529	5283	5496	5266	5262	5597	5540	5669	5590
5579	5307	5702	5553	5303	5635	5605	5299	5272	5659	5595	5617	5627
5654	5650	5585	5542	5618	5646	5292	5625	5274	5609	5608	5659	5661
5703	5264	5603	5609	5709	5272	5516	5535	5651	5313	5328	5283	5657
5504	5688	5499	5640	5496	5330	5529	5251	5702	5498	5296	5570	5619
5255	5623	5616	5297	5256	5492	5543	5312	5593	5501	5288	5621	5582
5690	5575	5570	5307	5643	5613	5542	5652	5265	5582	5558	5538	5655
5276	5522	5579	5281	5318	5285	5661	5606	5499	5524	5642	5529	5610
5666	5600	5295	5597	5498	5284	5613	5490	5578	5533	5681	5710	5580
5568	5305	5256	5669	5660	5544	5320	5268	5296	5492	5545	5551	5539
5641	5633	5693	5587	5696	5533	5494	5303	5305	5682	5675	5638	5298
5531	5494	5308	5678	5675	5267	5702	5616	5277	5273	5519	5687	5589
5294	5287	5492	5697	5694	5251	5298	5320	5565	5648	5262	5269	5534
5273	5270	5307	5506	5265	5312	5585	5280	5306	5510	5315	5502	5292
5709	5328	5694	5493	5680	5669	5525	5511	5294	5672	5603	5510	5594
5689	5690	5511	5572	5621	5703	5647	5666	5544	5285	5283	5580	5536
5493	5505	5259	5267	5682	5628	5587	5595	5597	5577	5267	5564	5523
5679	5626	5681	5671	5597	5282	5258	5278	5583	5295	5294	5704	5583
5262	5593	5329	5523	5530	5494	5507	5562	5579	5515	5624	5636	5623
5254	5675	5498	5630	5557	5681	5580	5317	5701	5683	5649	5666	5329
5299	5615	5645	5613	5637	5621	5293	5615	5522	5706	5553	5567	5505
5646	5315	5502	5658	5516	5671	5493	5602	5535	5254	5303	5703	5313
5561	5637	5266	5259	5578	5677	5284	5601	5288	5596	5515	5634	5270
5565	5613	5646	5556	5688	5645	5687	5501	5251	5692	5556	5640	5297
5554	5677	5280	5508	5314	5559	5260	5665	5586	5673	5580	5252	5694
5259	5330	5277	5635	5624	5581	5670	5592	5615	5541	5277	5612	5304
5496	5683	5269	5586	5497	5538	5268	5523	5637	5645	5253	5524	5302
5555	5253	5667	5255	5535	5545	5253	5687	5670	5601	5594	5515	5326
5582	5686	5274	5328	5583	5313	5672	5695	5507	5293	5663	5592	5566
5522	5547	5635	5625	5492	5676	5652	5276	5252	5522	5653	5650	5547
5523	5703	5688	5664	5561	5686	5274	5289	5558	5546	5629	5490	5703
5290	5281	5317	5310	5603	5627	5633	5678	5510	5287	5319	5604	5268
5614	5679	5537	5280	5503	5633	5685	5549	5526	5272	5549	5619	5516
5500	5705	5676	5518	5666	5682	5607	5619	5573	5490	5581	5265	5550
5295	5504	5300	5516	5255	5641	5497	5682	5658	5284	5330	5285	5289
5598	5562	5260	5614	5552	5554	5575	5541	5704	5532	5544	5665	5519
5250	5671	5606	5266	5542	5308	5692	5645	5603	5534	5280	5315	5266
5583	5636	5695	5257	5253	5564	5259	5647	5627	5537	5547	5507	5287
5652	5638	5540	5701	5692	5608	5700	5283		5613	5321	5647	5575
5545	5312	5637	5547	5531	5528	5316	5521		5523	5308	5579	5686
5708	5527	5494	5594	5684	5623	5688	5529		5261	5654	5521	5545

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

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FCC-Type 6, Trial 2 of 3
All Frequencies in MHz

Trial #14	Trial #15	Trial #16	Trial #17	Trial #18	Trial #19	Trial #20	Trial #21	Trial #22	Trial #23	Trial #24	Trial #25	Trial #26
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5617	5559	5690	5283	5515	5636	5254	5328	5543	5327	5557	5594	5691
5515	5611	5523	5302	5570	5571	5304	5680	5623	5534	5608	5570	5517
5587	5628	5504	5585	5587	5685	5659	5542	5662	5707	5284	5314	5601
5292	5292	5294	5559	5567	5553	5566	5320	5511	5679	5584	5305	5531
5569	5271	5309	5591	5318	5682	5594	5635	5573	5650	5286	5576	5647
5688	5274	5515	5594	5259	5569	5316	5314	5521	5285	5318	5577	5612
5546	5261	5542	5641	5288	5584	5677	5625	5619	5319	5672	5685	5573
5633	5680	5493	5330	5694	5530	5680	5321	5321	5649	5692	5640	5518
5604	5545	5596	5516	5295	5513	5620	5598	5693	5586	5618	5697	5270
5558	5556	5548	5327	5505	5521	5553	5520	5603	5674	5263	5632	5323
5295	5502	5557	5584	5607	5264	5556	5253	5309	5270	5610	5595	5618
5573	5286	5647	5688	5504	5303	5305	5330	5507	5644	5512	5625	5572
5521	5306	5507	5546	5289	5638	5289	5621	5654	5293	5669	5708	5525
5589	5289	5615	5675	5697	5529	5641	5569	5565	5503	5274	5635	5325
5261	5574	5618	5680	5520	5531	5314	5562	5707	5624	5285	5648	5570
5549	5691	5623	5493	5560	5695	5298	5585	5298	5685	5663	5311	5606
5704	5667	5704	5524	5638	5580	5691	5590	5327	5526	5273	5657	5669
5272	5251	5325	5642	5532	5671	5609	5675	5525	5269	5687	5669	5534
5502	5646	5662	5561	5613	5633	5502	5532	5594	5664	5295	5704	5492
5509	5626	5558	5624	5524	5688	5307	5614	5605	5640	5705	5623	5658
5642	5642	5330	5538	5692	5573	5708	5275	5579	5582	5600	5580	5298
5516	5676	5655	5692	5500	5269	5674	5316	5651	5520	5290	5546	5264
5706	5536	5636	5279	5494	5512	5648	5303	5313	5600	5586	5670	5685
5602	5321	5281	5275	5585	5645	5692	5503	5330	5681	5685	5703	5602
5672	5669	5643	5659	5704	5662	5650	5524	5538	5532	5641	5535	5588
5513	5624	5679	5625	5269	5625	5518	5498	5522	5680	5627	5534	5498
5282	5548	5299	5603	5543	5505	5655	5491	5633	5653	5574	5523	5599
5280	5305	5682	5277	5538	5504	5617	5546	5641	5581	5605	5690	5637
5552	5537	5307	5607	5535	5609	5264	5587	5262	5283	5254	5284	5578
5258	5638	5556	5662	5657	5296	5497	5257	5672	5523	5301	5315	5253
5653	5586	5278	5664	5262	5510	5591	5604	5568	5596	5589	5297	5544
5545	5656	5620	5272	5550	5509	5531	5674	5664	5678	5659	5573	5327
5675	5539	5582	5573	5533	5550	5682	5653	5655	5284	5652	5555	5316
5650	5265	5685	5303	5575	5506	5263	5679	5505	5580	5655	5545	5674
5547	5540	5258	5686	5642	5606	5608	5657	5559	5692	5689	5582	5651
5526	5708	5492	5576	5545	5270	5685	5696	5530	5574	5701	5273	5586
5306	5685	5624	5691	5263	5281	5592	5522	5304	5697	5270	5292	5556
5626	5591	5549	5616	5539	5668	5614	5543	5310	5625	5501	5680	5642
5251	5582	5497	5617	5316	5268	5673	5312	5311	5665	5298	5524	5702
5535	5299	5499	5501	5674	5708	5629	5596	5523	5631	5647	5269	5252
5634	5514	5530	5608	5529	5663	5582	5290	5608	5252	5309	5255	5290
5707	5317	5265	5507	5261	5494	5672	5702	5666	5553	5269	5678	5546
5294	5504	5502	5639	5268	5644	5299	5536	5647	5565	5649	5554	5636
5636	5606	5652	5267	5686	5661	5600	5629	5554	5561	5566	5329	5321
5608	5592	5642	5268	5598	5679	5504	5637	5700	5675	5537	5501	5553
5660	5658	5534	5262	5617	5326	5323	5579	5710	5513	5699	5258	5561
5673	5254	5532	5506	5501	5267	5511	5315	5644	5509	5555	5261	5568
5274	5707	5490	5514	5499	5276	5605	5685	5518	5701	5322	5571	5695
5302	5528	5640	5579	5666	5672	5250	5544	5639	5569	5492	5705	5523
5299	5552	5686	5574	5324	5307	5537	5681	5637	5629	5320	5283	5663
5620	5550	5538	5258	5649	5549	5665	5607	5600	5306	5253	5263	5274
5580	5701	5625	5587	5623	5305	5517	5641	5584	5659	5300	5266	5545
5647	5512	5606	5581	5266	5620	5560	5630	5516	5642	5321	5277	5683
5257	5580	5543	5536	5565	5598	5302	5282	5539	5597	5291	5549	5631
5692	5683	5592	5328	5252	5565	5702	5496	5616	5307	5496	5626	5687
5263	5631	5254	5643	5596	5657	5572	5307	5571	5693	5554	5693	5550
5645	5696	5555	5259	5512	5592	5528	5594	5692	5495	5651	5288	5286
5290	5280	5683	5314	5562	5551	5671	5628		5490	5695	5654	5268
5250	5674	5514	5319	5270	5594	5699	5633		5272	5640		5273
5599	5690	5521	5567	5517	5266	5597	5613		5322	5525		5710
5291	5266	5268	5707	5650	5614	5613	5700		5562	5252		5680
5497	5534	5585	5508	5254	5255	5602	5507		5646	5538		5604
5270	5535	5598	5605	5503	5546	5568	5573		5610	5294		5312
5318	5526	5257	5693	5634	5252	5710	5580		5320			5295
5312		5512	5698	5525		5559	5582		5299			5507
5293		5573	5495	5600			5694		5546			5515
5690		5496	5282				5327		5304			

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 48 kHz

NORTHWEST EMC

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FCC-Type 6, Trial 3 of 3
All Frequencies in MHz

Trial #27	Trial #28	Trial #29	Trial #30
PASS	PASS	PASS	PASS
5650	5592	5286	5612
5585	5270	5601	5572
5499	5695	5587	5693
5660	5597	5700	5322
5502	5323	5514	5632
5613	5616	5258	5543
5295	5565	5580	5600
5612	5505	5262	5699
5511	5614	5326	5307
5606	5596	5625	5640
5675	5561	5532	5300
5315	5661	5642	5637
5598	5307	5327	5677
5692	5308	5548	5626
5301	5326	5578	5510
5616	5537	5611	5524
5574	5653	5313	5509
5637	5624	5559	5695
5685	5589	5616	5540
5638	5325	5602	5574
5556	5540	5321	5272
5708	5496	5557	5606
5617	5329	5308	5683
5661	5253	5297	5609
5599	5252	5506	5681
5678	5710	5662	5547
5278	5572	5533	5550
5703	5564	5605	5688
5568	5672	5490	5620
5532	5321	5498	5597
5550	5648	5502	5685
5492	5493	5304	5707
5627	5518	5555	5638
5666	5562	5551	5259
5496	5301	5305	5709
5618	5685	5535	5608
5268	5533	5288	5595
5683	5250	5581	5551
5595	5688	5663	5502
5663	5251	5513	5254
5506	5569	5511	5555
5270	5678	5540	5517
5589	5313	5265	5642
5676	5499	5644	5261
5265	5261	5319	5710
5548	5708	5563	5253
5557	5594	5631	5655
5313	5601	5627	5511
5327	5298	5318	5280
5498	5520	5527	5538
5319	5296	5317	5522
5509	5498	5282	5546
5656	5603	5666	5492
5657	5491	5634	5634
5629	5327	5515	5257
5283	5644	5653	5537
5570	5606	5613	5297
5304	5285	5656	5647
5287	5492	5569	5599
5534	5324		5527
5626	5627		5325
5707	5524		5539
5564	5519		5588
5329	5700		5650
5667	5663		5515
5549			5504
5698			
5530			
5326			
5318			
5263			

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

XMit 2015.01.14

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

TEST EQUIPMENT

Description	Manufacturer	Model	ID	Last Cal.	Interval (mo)
Generator - Signal	Benchforge Manufacturing	Colt	TIN	NCR	0
Generator - Signal	Agilent	V2920A	TIH	NCR	0
Cable	ESM Cable Corp.	TT	EV1	NCR	0
Generator - Signal	Keysight	N5182B	TFX	4/16/2015	36
Attenuator	S.M. Electronics	SA18N-06/SM4032	REE	10/20/2014	12
Meter - Power	Gigatronics	8651A	SPM	5/25/2015	12
Power Sensor	Gigatronics	80701A	SPL	5/25/2015	12
Attenuator	Weinschel Corp	3330A-6	AUF	1/6/2015	12
Directional Coupler	Fairview Microwave	MC2047-10	RGT	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKG	NCR	0
Attenuator	Aeroflex/Weinschel	3053	RKF	NCR	0
Attenuator	Fairview Microwave	SA26B-06	TWF	5/12/2015	12
Attenuator	Mini Circuits	BW-S10W2	RKI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAI	NCR	0
Power Divider/Combiner	Fairview Microwave	MP0208-2	IAJ	NCR	0
Attenuator	Fairview Microwave	SA26B-10	TWH	5/12/2015	12
Attenuator	S.M. Electronics	SA26B-6	AUX	7/15/2015	12
Block - DC	Fairview Microwave	SD3379	AMP	6/18/2015	12
Analyzer - Spectrum Analyzer	Agilent	E4446A	AAQ	3/10/2015	12

TEST DESCRIPTION

The master and client were connected using the conducted method described in the FCC KDB procedure via a series of splitters and attenuators which allows the radar signals to be injected and monitored. For master devices, the detection level was set prior to testing by temporarily replacing the master device with the analyzer and setting the power level according to Table 3 and Section 7.5. Where required, an approved Media file was streamed between the master and client or an alternative method to load the channel may be used instead. Channel loading requirements were also verified prior to testing. Configuration and status of the master and client devices were then monitored with the spectrum analyzer. Essentially, a move time test is performed on all the necessary radar types to make sure the master and client vacate the channel when a radar signal is injected. Numerous trials are performed for each radar type to establish a statistical analysis of detection probability, and the guidelines of section 7.8.4 of the procedure were used to calculate the data and determine if the results passed. For Radar Type 1 Test A and Radar Type 1 Test B, the trials were done as one test with the first 15 trials on Test A and the second 15 trials on Test B.

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC

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EUT:	SherwoodXD (extended distance)			**Work Order:**	FOCU0216
Serial Number:	02EA4FD0010F			**Date:**	09/22/15
Customer:	Summit Semiconductor LLC			**Temperature:**	22.4°C
Attendees:	David Schilling			**Humidity:**	39%
Project:	None			**Barometric Pres.:**	1016.9
Tested by:	Brandon Hobbs	**Power:**	3.3/1.2VDC Nominal	**Job Site:**	EV06

TEST SPECIFICATIONS	Test Method
FCC 15.407:2015	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v01r02

COMMENTS

A directional couple was used in the setup to provide the needed isolation between the monitor and working radios while allowing an even amount of attenuation seen by the radar at both ports. Reference the DFS setup and master attenuation documentation for the attenuators used while under test. The modes of operation were provided by the client.

DEVIATIONS FROM TEST STANDARD

None

Configuration #	1	Signature

						Value	Limit	Result
Working Radio								
	96 kHz Sampling Frequency							
		5300 MHz						
		Radar 1A, Radar 1B					100.0%	60.0%	PASS
		Radar 2					100.0%	60.0%	PASS
		Radar 3					100.0%	60.0%	PASS
		Radar 4					93.3%	60.0%	PASS
		Radar 1-4 Summary	100.0%	100.0%	100.0%	93.3%	98.3%	80.0%	PASS
		Radar 5					100.0%	80.0%	PASS
		Radar 6					100.0%	70.0%	PASS

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

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Working Radio, 96 kHz Sampling Frequency , 5300 MHz, Radar 1A, Radar 1B						
				Value	**Limit**	**Result**
				100.0%	60.0%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

Working Radio, 96 kHz Sampling Frequency , 5300 MHz, Radar 2						
				Value	**Limit**	**Result**
				100.0%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	23	3.900 us	157.000 us
2	PASS	24	4.500 us	168.000 us
3	PASS	23	4.400 us	215.000 us
4	PASS	29	1.700 us	172.000 us
5	PASS	23	4.500 us	171.000 us
6	PASS	23	2.200 us	171.000 us
7	PASS	26	1.400 us	227.000 us
8	PASS	28	4.900 us	203.000 us
9	PASS	24	4.300 us	216.000 us
10	PASS	26	4.500 us	212.000 us
11	PASS	23	2.300 us	206.000 us
12	PASS	24	3.400 us	154.000 us
13	PASS	29	3.500 us	158.000 us
14	PASS	24	1.400 us	152.000 us
15	PASS	26	3.700 us	230.000 us
16	PASS	29	4.800 us	177.000 us
17	PASS	24	3.200 us	220.000 us
18	PASS	28	1.700 us	207.000 us
19	PASS	27	4.700 us	219.000 us
20	PASS	28	4.000 us	160.000 us
21	PASS	27	2.000 us	197.000 us
22	PASS	28	2.900 us	198.000 us
23	PASS	29	3.000 us	178.000 us
24	PASS	23	4.900 us	229.000 us
25	PASS	28	4.000 us	166.000 us
26	PASS	25	1.300 us	161.000 us
27	PASS	24	3.000 us	154.000 us
28	PASS	29	4.900 us	172.000 us
29	PASS	24	4.800 us	179.000 us
30	PASS	25	1.800 us	218.000 us

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Working Radio, 96 kHz Sampling Frequency , 5300 MHz, Radar 3

				Value	Limit	Result
				100.0%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	16	9.900 us	287.000 us
2	PASS	16	6.500 us	464.000 us
3	PASS	17	8.400 us	411.000 us
4	PASS	16	7.400 us	403.000 us
5	PASS	18	6.100 us	267.000 us
6	PASS	16	7.300 us	394.000 us
7	PASS	18	8.000 us	208.000 us
8	PASS	18	7.500 us	418.000 us
9	PASS	18	6.900 us	475.000 us
10	PASS	17	7.900 us	386.000 us
11	PASS	18	8.700 us	301.000 us
12	PASS	17	8.500 us	471.000 us
13	PASS	16	9.100 us	306.000 us
14	PASS	18	6.300 us	272.000 us
15	PASS	18	9.200 us	244.000 us
16	PASS	16	6.000 us	365.000 us
17	PASS	16	10.000 us	333.000 us
18	PASS	16	8.300 us	330.000 us
19	PASS	18	9.700 us	459.000 us
20	PASS	18	8.000 us	436.000 us
21	PASS	16	6.600 us	409.000 us
22	PASS	16	6.700 us	389.000 us
23	PASS	17	6.500 us	312.000 us
24	PASS	16	7.500 us	251.000 us
25	PASS	17	8.600 us	390.000 us
26	PASS	18	9.800 us	465.000 us
27	PASS	17	9.500 us	280.000 us
28	PASS	16	7.300 us	296.000 us
29	PASS	17	8.200 us	350.000 us
30	PASS	18	6.000 us	458.000 us

Working Radio, 96 kHz Sampling Frequency , 5300 MHz, Radar 4

				Value	Limit	Result
				93.3%	60.0%	PASS

Trial #	Detected	No. of Pulses Per Burst	Pulse Width (us)	PRI (us)
1	PASS	16	13.700 us	335.000 us
2	PASS	15	16.100 us	477.000 us
3	PASS	12	12.300 us	425.000 us
4	PASS	12	19.700 us	359.000 us
5	PASS	12	16.300 us	265.000 us
6	PASS	13	12.900 us	296.000 us
7	PASS	14	15.300 us	403.000 us
8	PASS	16	16.500 us	282.000 us
9	PASS	15	17.400 us	205.000 us
10	PASS	14	18.000 us	239.000 us
11	PASS	13	17.900 us	454.000 us
12	PASS	14	17.200 us	495.000 us
13	PASS	12	16.400 us	430.000 us
14	PASS	12	12.300 us	397.000 us
15	PASS	13	18.300 us	388.000 us
16	FAIL	12	18.700 us	483.000 us
17	PASS	16	12.600 us	245.000 us
18	PASS	16	11.500 us	231.000 us
19	PASS	14	14.000 us	467.000 us
20	PASS	16	14.200 us	210.000 us
21	PASS	16	17.700 us	408.000 us
22	PASS	14	17.900 us	470.000 us
23	PASS	15	14.000 us	204.000 us
24	PASS	15	18.000 us	369.000 us
25	FAIL	15	12.200 us	334.000 us
26	PASS	13	12.000 us	377.000 us
27	PASS	12	11.500 us	489.000 us
28	PASS	14	12.300 us	413.000 us
29	PASS	15	11.900 us	477.000 us
30	PASS	16	16.900 us	342.000 us

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

Working Radio, 96 kHz Sampling Frequency , 5300 MHz, Radar 1-4 Summary							
					Value	**Limit**	**Result**
100%	100%	100%	93.30%	98.33%	80%	PASS	

Working Radio, 96 kHz Sampling Frequency , 5300 MHz, Radar 5						
				Value	**Limit**	**Result**
				100%	80%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

XMit 2015.01.14

Working Radio, 96 kHz Sampling Frequency , 5300 MHz, Radar 6						
				Value	**Limit**	**Result**
				100%	70%	PASS

Trial #	Detected
1	PASS
2	PASS
3	PASS
4	PASS
5	PASS
6	PASS
7	PASS
8	PASS
9	PASS
10	PASS
11	PASS
12	PASS
13	PASS
14	PASS
15	PASS
16	PASS
17	PASS
18	PASS
19	PASS
20	PASS
21	PASS
22	PASS
23	PASS
24	PASS
25	PASS
26	PASS
27	PASS
28	PASS
29	PASS
30	PASS

STATISTICAL PERFORMANCE CHECK - WORKING RADIO
96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5305200000
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5305200000	YES	11000000	1	293929	293929	85.7	4301.3	1030945	4387	4387	67	235
2	5305200000	YES	19000000	1	2443559	1114298	86.4	1494.6	0	1581	---	---	---
2	5305200000	YES	19000000	2	2445140	0	86.4	1266.6	0	1353	---	---	---
2	5305200000	YES	19000000	3	2446493	0	86.4	1366.6	210576	1453	4387	254	48
3	5305200000	YES	19000000	1	2921742	263220	83.8	4303.2	1061654	4387	4387	60	242
4	5305200000	YES	8000000	1	4343130	355347	77.1	999.9	0	1077	---	---	---
4	5305200000	YES	8000000	2	4344207	0	77.1	1208.9	0	1286	---	---	---
4	5305200000	YES	8000000	3	4345493	0	77.1	1946.9	969527	2024	4387	81	221
5	5305200000	YES	12000000	1	6119865	802821	80.1	4306.9	522053	4387	4387	183	119
6	5305200000	YES	7000000	1	7185906	539601	90.5	4296.5	785273	4387	4387	123	179
7	5305200000	YES	6000000	1	8888062	912496	60.2	1709.8	0	1770	---	---	---
7	5305200000	YES	6000000	2	8889832	0	60.2	1157.8	0	1218	---	---	---
7	5305200000	YES	6000000	3	8891050	0	60.2	1338.8	412378	1399	4387	208	94
8	5305200000	YES	18000000	1	10098874	794047	68.8	1409.2	0	1478	---	---	---
8	5305200000	YES	18000000	2	10100352	0	68.8	2840.2	530827	2909	4387	181	121
9	5305200000	YES	17000000	1	10985048	350960	59.8	1179.2	0	1239	---	---	---
9	5305200000	YES	17000000	2	10986287	0	59.8	3088.2	973914	3148	4387	80	222

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.306E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.306E+09	YES	16000000	1	34370	34370	80.9	1689.1	0	1770	---	---	---
1	5.306E+09	YES	16000000	2	36140	0	80.9	3059.1	589200	3140	4910	7	120
2	5.306E+09	YES	19000000	1	873980	245500	78.2	1882.8	0	1961	---	---	---
2	5.306E+09	YES	19000000	2	875941	0	78.2	991.8	0	1070	---	---	---
2	5.306E+09	YES	19000000	3	877011	0	78.2	1800.8	378070	1879	4910	50	77
3	5.306E+09	YES	14000000	1	1669400	412440	78.3	4831.7	211130	4910	4910	84	43
4	5.306E+09	YES	14000000	1	2253690	368250	73	4837	255320	4910	4910	75	52
5	5.306E+09	YES	16000000	1	2783970	270050	61.2	1567.8	0	1629	---	---	---
5	5.306E+09	YES	16000000	2	2785599	0	61.2	3219.8	353520	3281	4910	55	72
6	5.306E+09	YES	5000000	1	3407540	265140	87.4	1724.6	0	1812	---	---	---
6	5.306E+09	YES	5000000	2	3409352	0	87.4	1321.6	0	1409	---	---	---
6	5.306E+09	YES	5000000	3	3410761	0	87.4	1601.6	358430	1689	4910	54	73
7	5.306E+09	YES	14000000	1	4119490	348610	57.5	1703.5	0	1761	---	---	---
7	5.306E+09	YES	14000000	2	4121251	0	57.5	3091.5	274960	3149	4910	71	56
8	5.306E+09	YES	7000000	1	4978740	579380	63.3	1795.7	0	1859	---	---	---
8	5.306E+09	YES	7000000	2	4980599	0	63.3	2987.7	44190	3051	4910	118	9
9	5.306E+09	YES	17000000	1	5057300	29460	62.7	4847.3	594110	4910	4910	6	121
10	5.306E+09	YES	18000000	1	6186600	530280	90.4	1907.6	0	1998	---	---	---
10	5.306E+09	YES	18000000	2	6188598	0	90.4	1799.6	0	1890	---	---	---
10	5.306E+09	YES	18000000	3	6190488	0	90.4	931.6	93290	1022	4910	108	19
11	5.306E+09	YES	17000000	1	6417370	132570	81.2	1747.8	0	1829	---	---	---
11	5.306E+09	YES	17000000	2	6419199	0	81.2	2999.8	491000	3081	4910	27	100
12	5.306E+09	YES	6000000	1	7463200	549920	74.8	4835.2	73650	4910	4910	112	15
13	5.306E+09	YES	18000000	1	8032760	491000	94.1	4815.9	132570	4910	4910	100	27
14	5.306E+09	YES	10000000	1	8371550	201310	85	1384	0	1469	---	---	---
14	5.306E+09	YES	10000000	2	8373019	0	85	1178	0	1263	---	---	---
14	5.306E+09	YES	10000000	3	8374282	0	85	2093	422260	2178	4910	41	86
15	5.306E+09	YES	18000000	1	9181700	382980	64	973	0	1037	---	---	---
15	5.306E+09	YES	18000000	2	9182737	0	64	1121	0	1185	---	---	---
15	5.306E+09	YES	18000000	3	9183922	0	64	2624	240590	2688	4910	78	49
16	5.306E+09	YES	13000000	1	9535220	108020	64.7	1597.3	0	1662	---	---	---
16	5.306E+09	YES	13000000	2	9536882	0	64.7	1387.3	0	1452	---	---	---
16	5.306E+09	YES	13000000	3	9538334	0	64.7	1731.3	515550	1796	4910	22	105
17	5.306E+09	YES	11000000	1	10463210	407530	79.9	1470.1	0	1550	---	---	---
17	5.306E+09	YES	11000000	2	10464760	0	79.9	3280.1	216040	3360	4910	83	44
18	5.306E+09	YES	15000000	1	11194800	510640	69.8	1667.2	0	1737	---	---	---
18	5.306E+09	YES	15000000	2	11196537	0	69.8	3103.2	112930	3173	4910	104	23
19	5.306E+09	YES	8000000	1	11734900	422260	85.1	1517.9	0	1603	---	---	---
19	5.306E+09	YES	8000000	2	11736503	0	85.1	3221.9	201310	3307	4910	86	41

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.306E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.306E+09	YES	19000000	1	282016	282016	94.3	1652.7	0	1747	---	---	---
1	5.306E+09	YES	19000000	2	283763	0	94.3	3194.7	1042452	3289	5036	56	207
2	5.306E+09	YES	17000000	1	2422316	1092812	67.9	4968.1	231656	5036	5036	217	46
3	5.306E+09	YES	7000000	1	3253256	594248	68.2	1543.8	0	1612	---	---	---
3	5.306E+09	YES	7000000	2	3254868	0	68.2	1356.8	0	1425	---	---	---
3	5.306E+09	YES	7000000	3	3256293	0	68.2	1930.8	730220	1999	5036	118	145
4	5.306E+09	YES	6000000	1	4910100	921588	55.6	1760.4	0	1816	---	---	---
4	5.306E+09	YES	6000000	2	4911916	0	55.6	3164.4	402880	3220	5036	183	80
5	5.306E+09	YES	15000000	1	6531692	1213676	80.2	950.8	0	1031	---	---	---
5	5.306E+09	YES	15000000	2	6532723	0	80.2	3924.8	110792	4005	5036	241	22
6	5.306E+09	YES	17000000	1	7438172	790652	87.5	1588.5	0	1676	---	---	---
6	5.306E+09	YES	17000000	2	7439848	0	87.5	3272.5	533816	3360	5036	157	106
7	5.306E+09	YES	9000000	1	8077744	100720	79.4	1865.6	0	1945	---	---	---
7	5.306E+09	YES	9000000	2	8079689	0	79.4	1473.6	0	1553	---	---	---
7	5.306E+09	YES	9000000	3	8081242	0	79.4	1458.6	1223748	1538	5036	20	243
8	5.306E+09	YES	9000000	1	10333872	1027344	76.3	1149.7	0	1226	---	---	---
8	5.306E+09	YES	9000000	2	10335098	0	76.3	3733.7	297124	3810	5036	204	59
9	5.306E+09	YES	6000000	1	11280640	644608	76.7	1001.3	0	1078	---	---	---
9	5.306E+09	YES	6000000	2	11281718	0	76.7	3881.3	679860	3958	5036	128	135

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.302E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.302E+09	YES	7000000	1	228144	228144	84.7	1809.3	0	1894	---	---	---
1	5.302E+09	YES	7000000	2	230038	0	84.7	2774.3	394499	2859	4753	48	83
2	5.302E+09	YES	15000000	1	765233	137837	92.9	1625.1	0	1718	---	---	---
2	5.302E+09	YES	15000000	2	766951	0	92.9	1641.1	0	1734	---	---	---
2	5.302E+09	YES	15000000	3	768685	0	92.9	1208.1	484806	1301	4753	29	102
3	5.302E+09	YES	19000000	1	1730092	475300	72.9	1713.1	0	1786	---	---	---
3	5.302E+09	YES	19000000	2	1731878	0	72.9	1017.1	0	1090	---	---	---
3	5.302E+09	YES	19000000	3	1732968	0	72.9	1804.1	147343	1877	4753	100	31
4	5.302E+09	YES	12000000	1	1929718	47530	91.9	1230.1	0	1322	---	---	---
4	5.302E+09	YES	12000000	2	1931040	0	91.9	3339.1	575113	3431	4753	10	121
5	5.302E+09	YES	19000000	1	3013402	503818	82	4671	118825	4753	4753	106	25
6	5.302E+09	YES	17000000	1	3274817	137837	72.9	1223.1	0	1296	---	---	---
6	5.302E+09	YES	17000000	2	3276113	0	72.9	3384.1	484806	3457	4753	29	102
7	5.302E+09	YES	8000000	1	4253935	489559	65.2	1029.8	0	1095	---	---	---
7	5.302E+09	YES	8000000	2	4255030	0	65.2	3592.8	133084	3658	4753	103	28
8	5.302E+09	YES	6000000	1	4458314	66542	82.8	1354.2	0	1437	---	---	---
8	5.302E+09	YES	6000000	2	4459751	0	82.8	3233.2	556101	3316	4753	14	117
9	5.302E+09	YES	10000000	1	5247312	228144	89.4	1379.6	0	1469	---	---	---
9	5.302E+09	YES	10000000	2	5248781	0	89.4	995.6	0	1085	---	---	---
9	5.302E+09	YES	10000000	3	5249866	0	89.4	2109.6	394499	2199	4753	48	83
10	5.302E+09	YES	13000000	1	6136123	489559	66.9	1189.1	0	1256	---	---	---
10	5.302E+09	YES	13000000	2	6137379	0	66.9	3430.1	133084	3497	4753	103	28
11	5.302E+09	YES	20000000	1	6426056	152096	96.4	919.6	0	1016	---	---	---
11	5.302E+09	YES	20000000	2	6427072	0	96.4	3640.6	470547	3737	4753	32	99
12	5.302E+09	YES	20000000	1	6953639	52283	70.2	1769.8	0	1840	---	---	---
12	5.302E+09	YES	20000000	2	6955479	0	70.2	1640.8	0	1711	---	---	---
12	5.302E+09	YES	20000000	3	6957190	0	70.2	1131.8	570360	1202	4753	11	120
13	5.302E+09	YES	17000000	1	7690354	161602	55.2	1915.8	0	1971	---	---	---
13	5.302E+09	YES	17000000	2	7692325	0	55.2	2726.8	461041	2782	4753	34	97
14	5.302E+09	YES	9000000	1	8702743	546595	68.4	1299.6	0	1368	---	---	---
14	5.302E+09	YES	9000000	2	8704111	0	68.4	3316.6	76048	3385	4753	115	16
15	5.302E+09	YES	19000000	1	9353904	570360	96.5	1192.5	0	1289	---	---	---
15	5.302E+09	YES	19000000	2	9355193	0	96.5	1047.5	0	1144	---	---	---
15	5.302E+09	YES	19000000	3	9356337	0	96.5	2223.5	52283	2320	4753	120	11
16	5.302E+09	YES	7000000	1	9715132	304192	68.9	1547.1	0	1616	---	---	---
16	5.302E+09	YES	7000000	2	9716748	0	68.9	3068.1	318451	3137	4753	64	67
17	5.302E+09	YES	8000000	1	10071607	33271	51.5	4701.5	589372	4753	4753	7	124
18	5.302E+09	YES	11000000	1	11136279	470547	80.7	1717.3	0	1798	---	---	---
18	5.302E+09	YES	11000000	2	11138077	0	80.7	2874.3	152096	2955	4753	99	32
19	5.302E+09	YES	16000000	1	11730404	437276	84.9	1636.1	0	1721	---	---	---
19	5.302E+09	YES	16000000	2	11732125	0	84.9	2947.1	185367	3032	4753	92	39

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.305E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.305E+09	YES	19000000	1	407065	407065	51.5	1794.5	0	1846	---	---	---
1	5.305E+09	YES	19000000	2	408911	0	51.5	2891.5	440588	2943	4789	85	92
2	5.305E+09	YES	12000000	1	1302608	450166	86.5	1376.5	0	1463	---	---	---
2	5.305E+09	YES	12000000	2	1304071	0	86.5	3239.5	397487	3326	4789	94	83
3	5.305E+09	YES	6000000	1	2351399	646515	58.4	4730.6	201138	4789	4789	135	42
4	5.305E+09	YES	14000000	1	2763253	205927	85.3	4703.7	641726	4789	4789	43	134
5	5.305E+09	YES	18000000	1	4070650	660882	69.9	1107.1	0	1177	---	---	---
5	5.305E+09	YES	18000000	2	4071827	0	69.9	3542.1	186771	3612	4789	138	39
6	5.305E+09	YES	12000000	1	4616596	354386	60.9	4728.1	493267	4789	4789	74	103
7	5.305E+09	YES	16000000	1	5406781	292129	56.8	1010.2	0	1067	---	---	---
7	5.305E+09	YES	16000000	2	5407848	0	56.8	3665.2	555524	3722	4789	61	116
8	5.305E+09	YES	16000000	1	6364581	397487	63.7	1544.3	0	1608	---	---	---
8	5.305E+09	YES	16000000	2	6366189	0	63.7	1544.3	0	1608	---	---	---
8	5.305E+09	YES	16000000	3	6367797	0	63.7	1509.3	450166	1573	4789	83	94
9	5.305E+09	YES	15000000	1	7590565	771029	98	1495	0	1593	---	---	---
9	5.305E+09	YES	15000000	2	7592158	0	98	3098	76624	3196	4789	161	16
10	5.305E+09	YES	15000000	1	7901850	229872	88.3	4700.7	617781	4789	4789	48	129
11	5.305E+09	YES	17000000	1	9142201	617781	65.2	1609.8	0	1675	---	---	---
11	5.305E+09	YES	17000000	2	9143876	0	65.2	3048.8	229872	3114	4789	129	48
12	5.305E+09	YES	12000000	1	9434330	57468	78.1	4710.9	790185	4789	4789	12	165
13	5.305E+09	YES	13000000	1	10497488	268184	84.7	985.3	0	1070	---	---	---
13	5.305E+09	YES	13000000	2	10498558	0	84.7	3634.3	579469	3719	4789	56	121
14	5.305E+09	YES	6000000	1	11139214	57468	68	1133	0	1201	---	---	---
14	5.305E+09	YES	6000000	2	11140415	0	68	3520	790185	3588	4789	12	165

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.305E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.305E+09	YES	14000000	1	647528	647528	51.3	950.7	0	1002	---	---	---
1	5.305E+09	YES	14000000	2	648530	0	51.3	997.7	0	1049	---	---	---
1	5.305E+09	YES	14000000	3	649579	0	51.3	3119.7	93996	3171	5222	124	18
2	5.305E+09	YES	18000000	1	1101842	355096	71.9	5150.1	386428	5222	5222	68	74
3	5.305E+09	YES	11000000	1	1942584	449092	89.4	5132.6	292432	5222	5222	86	56
4	5.305E+09	YES	13000000	1	2673664	433426	85.6	5136.4	308098	5222	5222	83	59
5	5.305E+09	YES	8000000	1	3514406	527422	59.8	5162.2	214102	5222	5222	101	41
6	5.305E+09	YES	12000000	1	4182822	449092	86.5	5135.5	292432	5222	5222	86	56
7	5.305E+09	YES	14000000	1	4950456	469980	73.7	1769.3	0	1843	---	---	---
7	5.305E+09	YES	14000000	2	4952299	0	73.7	1211.3	0	1285	---	---	---
7	5.305E+09	YES	14000000	3	4953584	0	73.7	2020.3	271544	2094	5222	90	52
8	5.305E+09	YES	9000000	1	5483100	255878	79.5	5142.5	485646	5222	5222	49	93
9	5.305E+09	YES	18000000	1	6229846	255878	81	1036	0	1117	---	---	---
9	5.305E+09	YES	18000000	2	6230963	0	81	4024	485646	4105	5222	49	93
10	5.305E+09	YES	13000000	1	7373464	652750	71	1623	0	1694	---	---	---
10	5.305E+09	YES	13000000	2	7375158	0	71	1757	0	1828	---	---	---
10	5.305E+09	YES	13000000	3	7376986	0	71	1629	88774	1700	5222	125	17
11	5.305E+09	YES	12000000	1	7650230	182770	78.3	1859.7	0	1938	---	---	---
11	5.305E+09	YES	12000000	2	7652168	0	78.3	3205.7	558754	3284	5222	35	107
12	5.305E+09	YES	19000000	1	8804292	590086	74.3	1671.7	0	1746	---	---	---
12	5.305E+09	YES	19000000	2	8806038	0	74.3	1499.7	0	1574	---	---	---
12	5.305E+09	YES	19000000	3	8807612	0	74.3	1827.7	151438	1902	5222	113	29
13	5.305E+09	YES	14000000	1	9509262	548310	63.3	5158.7	193214	5222	5222	105	37
14	5.305E+09	YES	16000000	1	9906134	198436	53	1466	0	1519	---	---	---
14	5.305E+09	YES	16000000	2	9907653	0	53	3650	543088	3703	5222	38	104
15	5.305E+09	YES	13000000	1	10846094	391650	56.7	1820.3	0	1877	---	---	---
15	5.305E+09	YES	13000000	2	10847971	0	56.7	3288.3	349874	3345	5222	75	67
16	5.305E+09	YES	6000000	1	11415292	214102	83.7	1109.3	0	1193	---	---	---
16	5.305E+09	YES	6000000	2	11416485	0	83.7	3945.3	527422	4029	5222	41	101

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.3E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.3E+09	YES	16000000	1	369036	369036	64.5	1293.5	0	1358	---	---	---
1	5.3E+09	YES	16000000	2	370394	0	64.5	4085.5	330480	4150	5508	67	60
2	5.3E+09	YES	10000000	1	1178712	473688	58.8	1654.2	0	1713	---	---	---
2	5.3E+09	YES	10000000	2	1180425	0	58.8	3736.2	225828	3795	5508	86	41
3	5.3E+09	YES	12000000	1	1944324	534276	70.1	5437.9	165240	5508	5508	97	30
4	5.3E+09	YES	14000000	1	2412504	297432	75.2	1750.8	0	1826	---	---	---
4	5.3E+09	YES	14000000	2	2414330	0	75.2	3606.8	402084	3682	5508	54	73
5	5.3E+09	YES	19000000	1	3007368	187272	83.3	1821.7	0	1905	---	---	---
5	5.3E+09	YES	19000000	2	3009273	0	83.3	3519.7	512244	3603	5508	34	93
6	5.3E+09	YES	18000000	1	3772980	247860	93.6	1321.4	0	1415	---	---	---
6	5.3E+09	YES	18000000	2	3774395	0	93.6	3999.4	451656	4093	5508	45	82
7	5.3E+09	YES	14000000	1	4637736	407592	73.9	1856.1	0	1930	---	---	---
7	5.3E+09	YES	14000000	2	4639666	0	73.9	1715.1	0	1789	---	---	---
7	5.3E+09	YES	14000000	3	4641455	0	73.9	1715.1	291924	1789	5508	74	53
8	5.3E+09	YES	7000000	1	5364792	429624	74.1	1909.9	0	1984	---	---	---
8	5.3E+09	YES	7000000	2	5366776	0	74.1	965.9	0	1040	---	---	---
8	5.3E+09	YES	7000000	3	5367816	0	74.1	2409.9	269892	2484	5508	78	49
9	5.3E+09	YES	5000000	1	5656716	16524	54	1092	0	1146	---	---	---
9	5.3E+09	YES	5000000	2	5657862	0	54	4308	682992	4362	5508	3	124
10	5.3E+09	YES	8000000	1	6477408	132192	74.7	1284.3	0	1359	---	---	---
10	5.3E+09	YES	8000000	2	6478767	0	74.7	4074.3	567324	4149	5508	24	103
11	5.3E+09	YES	7000000	1	7176924	126684	57.8	1241.2	0	1299	---	---	---
11	5.3E+09	YES	7000000	2	7178223	0	57.8	4151.2	572832	4209	5508	23	104
12	5.3E+09	YES	18000000	1	8267508	512244	98.6	1328.4	0	1427	---	---	---
12	5.3E+09	YES	18000000	2	8268935	0	98.6	3982.4	187272	4081	5508	93	34
13	5.3E+09	YES	15000000	1	9071676	611388	76.6	1093.4	0	1170	---	---	---
13	5.3E+09	YES	15000000	2	9072846	0	76.6	1684.4	0	1761	---	---	---
13	5.3E+09	YES	15000000	3	9074607	0	76.6	2500.4	88128	2577	5508	111	16
14	5.3E+09	YES	9000000	1	9760176	594864	73.5	1823.5	0	1897	---	---	---
14	5.3E+09	YES	9000000	2	9762073	0	73.5	1583.5	0	1657	---	---	---
14	5.3E+09	YES	9000000	3	9763730	0	73.5	1880.5	104652	1954	5508	108	19
15	5.3E+09	YES	17000000	1	10520280	649944	54.9	967.1	0	1022	---	---	---
15	5.3E+09	YES	17000000	2	10521302	0	54.9	1060.1	0	1115	---	---	---
15	5.3E+09	YES	17000000	3	10522417	0	54.9	3316.1	49572	3371	5508	118	9
16	5.3E+09	YES	13000000	1	10740600	165240	90.6	1800.4	0	1891	---	---	---
16	5.3E+09	YES	13000000	2	10742491	0	90.6	3526.4	534276	3617	5508	30	97
17	5.3E+09	YES	12000000	1	11434608	154224	55.5	1633.5	0	1689	---	---	---
17	5.3E+09	YES	12000000	2	11436297	0	55.5	3763.5	545292	3819	5508	28	99

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.301E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.301E+09	YES	12000000	1	766363	766363	91.6	4497.4	426777	4589	4589	167	93
2	5.301E+09	YES	18000000	1	2152241	954512	58.7	1610.3	0	1669	---	---	---
2	5.301E+09	YES	18000000	2	2153910	0	58.7	2861.3	238628	2920	4589	208	52
3	5.301E+09	YES	13000000	1	2450526	55068	77.8	1357.2	0	1435	---	---	---
3	5.301E+09	YES	13000000	2	2451961	0	77.8	3076.2	1138072	3154	4589	12	248
4	5.301E+09	YES	10000000	1	4469686	876499	81.7	1653.3	0	1735	---	---	---
4	5.301E+09	YES	10000000	2	4471421	0	81.7	1698.3	0	1780	---	---	---
4	5.301E+09	YES	10000000	3	4473201	0	81.7	992.3	316641	1074	4589	191	69
5	5.301E+09	YES	10000000	1	4818450	27534	71.7	4517.3	1165606	4589	4589	6	254
6	5.301E+09	YES	8000000	1	6773364	784719	63.6	4525.4	408421	4589	4589	171	89
7	5.301E+09	YES	10000000	1	8163831	977457	52.1	1349.9	0	1402	---	---	---
7	5.301E+09	YES	10000000	2	8165233	0	52.1	3134.9	215683	3187	4589	213	47
8	5.301E+09	YES	10000000	1	9540531	1156428	56.9	4532.1	36712	4589	4589	252	8
9	5.301E+09	YES	16000000	1	10678603	1096771	75.9	1250.1	0	1326	---	---	---
9	5.301E+09	YES	16000000	2	10679929	0	75.9	3187.1	96369	3263	4589	239	21
10	5.301E+09	YES	13000000	1	11825853	1046292	77	1388	0	1465	---	---	---
10	5.301E+09	YES	13000000	2	11827318	0	77	3047	146848	3124	4589	228	32

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.302E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.302E+09	YES	14000000	1	259346	259346	88.3	993.7	0	1082	---	---	---
1	5.302E+09	YES	14000000	2	260428	0	88.3	1744.7	0	1833	---	---	---
1	5.302E+09	YES	14000000	3	262261	0	88.3	1179.7	401568	1268	4183	62	96
2	5.302E+09	YES	7000000	1	1326011	660914	64.2	1209.8	0	1274	---	---	---
2	5.302E+09	YES	7000000	2	1327285	0	64.2	2844.8	0	2909	4183	158	0
3	5.302E+09	YES	13000000	1	1940912	610718	83.1	4099.9	50196	4183	4183	146	12
4	5.302E+09	YES	6000000	1	2430323	435032	50.5	1384.5	0	1435	---	---	---
4	5.302E+09	YES	6000000	2	2431758	0	50.5	2697.5	225882	2748	4183	104	54
5	5.302E+09	YES	15000000	1	3287838	627450	89.9	1276.1	0	1366	---	---	---
5	5.302E+09	YES	15000000	2	3289204	0	89.9	2727.1	33464	2817	4183	150	8
6	5.302E+09	YES	17000000	1	3643393	317908	76.3	4106.7	343006	4183	4183	76	82
7	5.302E+09	YES	17000000	1	4408882	418300	98.9	1541.1	0	1640	---	---	---
7	5.302E+09	YES	17000000	2	4410522	0	98.9	1098.1	0	1197	---	---	---
7	5.302E+09	YES	17000000	3	4411719	0	98.9	1247.1	242614	1346	4183	100	58
8	5.302E+09	YES	19000000	1	5191103	535424	71	1443	0	1514	---	---	---
8	5.302E+09	YES	19000000	2	5192617	0	71	2598	125490	2669	4183	128	30
9	5.302E+09	YES	19000000	1	5542475	221699	71.8	1371.2	0	1443	---	---	---
9	5.302E+09	YES	19000000	2	5543918	0	71.8	2668.2	439215	2740	4183	53	105
10	5.302E+09	YES	11000000	1	6144827	158954	66.5	1813.5	0	1880	---	---	---
10	5.302E+09	YES	11000000	2	6146707	0	66.5	2236.5	501960	2303	4183	38	120
11	5.302E+09	YES	15000000	1	6981427	330457	69.9	977.1	0	1047	---	---	---
11	5.302E+09	YES	15000000	2	6982474	0	69.9	3066.1	330457	3136	4183	79	79
12	5.302E+09	YES	10000000	1	7876589	560522	52.4	1684.6	0	1737	---	---	---
12	5.302E+09	YES	10000000	2	7878326	0	52.4	2393.6	100392	2446	4183	134	24
13	5.302E+09	YES	12000000	1	8135935	154771	83.1	1376.9	0	1460	---	---	---
13	5.302E+09	YES	12000000	2	8137395	0	83.1	972.9	0	1056	---	---	---
13	5.302E+09	YES	12000000	3	8138451	0	83.1	1583.9	506143	1667	4183	37	121
14	5.302E+09	YES	15000000	1	8763385	117124	63.4	4119.6	543790	4183	4183	28	130
15	5.302E+09	YES	20000000	1	9901161	589803	63.2	4119.8	71111	4183	4183	141	17
16	5.302E+09	YES	14000000	1	10026651	50196	75.2	1709.8	0	1785	---	---	---
16	5.302E+09	YES	14000000	2	10028436	0	75.2	2322.8	610718	2398	4183	12	146
17	5.302E+09	YES	16000000	1	11110048	468496	90.3	1457.7	0	1548	---	---	---
17	5.302E+09	YES	16000000	2	11111596	0	90.3	2544.7	192418	2635	4183	112	46
18	5.302E+09	YES	12000000	1	11837890	531241	88.3	1025.7	0	1114	---	---	---
18	5.302E+09	YES	12000000	2	11839004	0	88.3	2980.7	129673	3069	4183	127	31

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.304E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.304E+09	YES	18000000	1	151360	151360	77.7	1114.3	0	1192	---	---	---
1	5.304E+09	YES	18000000	2	152552	0	77.7	3460.3	766260	3538	4730	32	162
2	5.304E+09	YES	15000000	1	1617660	695310	82.8	1772.2	0	1855	---	---	---
2	5.304E+09	YES	15000000	2	1619515	0	82.8	1215.2	0	1298	---	---	---
2	5.304E+09	YES	15000000	3	1620813	0	82.8	1494.2	222310	1577	4730	147	47
3	5.304E+09	YES	10000000	1	2644070	799370	65.2	4664.8	118250	4730	4730	169	25
4	5.304E+09	YES	19000000	1	3178560	411510	52.5	1720.5	0	1773	---	---	---
4	5.304E+09	YES	19000000	2	3180333	0	52.5	1255.5	0	1308	---	---	---
4	5.304E+09	YES	19000000	3	3181641	0	52.5	1596.5	506110	1649	4730	87	107
5	5.304E+09	YES	17000000	1	4413090	723690	66.2	1375.8	0	1442	---	---	---
5	5.304E+09	YES	17000000	2	4414532	0	66.2	3221.8	193930	3288	4730	153	41
6	5.304E+09	YES	8000000	1	4734730	122980	79.1	1120.9	0	1200	---	---	---
6	5.304E+09	YES	8000000	2	4735930	0	79.1	3450.9	794640	3530	4730	26	168
7	5.304E+09	YES	6000000	1	5694920	160820	75.1	1901.9	0	1977	---	---	---
7	5.304E+09	YES	6000000	2	5696897	0	75.1	2677.9	756800	2753	4730	34	160
8	5.304E+09	YES	14000000	1	7317310	860860	54.3	1203.7	0	1258	---	---	---
8	5.304E+09	YES	14000000	2	7318568	0	54.3	1012.7	0	1067	---	---	---
8	5.304E+09	YES	14000000	3	7319635	0	54.3	2350.7	56760	2405	4730	182	12
9	5.304E+09	YES	15000000	1	8126140	747340	85.9	1696.1	0	1782	---	---	---
9	5.304E+09	YES	15000000	2	8127922	0	85.9	2862.1	170280	2948	4730	158	36
10	5.304E+09	YES	7000000	1	8930240	629090	74.9	4655.1	288530	4730	4730	133	61
11	5.304E+09	YES	19000000	1	9767450	543950	88.8	989.2	0	1078	---	---	---
11	5.304E+09	YES	19000000	2	9768528	0	88.8	3563.2	373670	3652	4730	115	79
12	5.304E+09	YES	19000000	1	10292480	146630	52.4	4677.6	770990	4730	4730	31	163
13	5.304E+09	YES	7000000	1	11323620	255420	99.8	1588.2	0	1688	---	---	---
13	5.304E+09	YES	7000000	2	11325308	0	99.8	2942.2	662200	3042	4730	54	140

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.305E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.305E+09	YES	10000000	1	893076	893076	62	1729	0	1791	---	---	---
1	5.305E+09	YES	10000000	2	894867	0	62	2064	23502	2126	3917	228	6
2	5.305E+09	YES	12000000	1	1825322	904827	81	1433	0	1514	---	---	---
2	5.305E+09	YES	12000000	2	1826836	0	81	2322	11751	2403	3917	231	3
3	5.305E+09	YES	11000000	1	2483378	642388	88.8	3828.2	274190	3917	3917	164	70
4	5.305E+09	YES	18000000	1	3603640	842155	86	1093	0	1179	---	---	---
4	5.305E+09	YES	18000000	2	3604819	0	86	2652	74423	2738	3917	215	19
5	5.305E+09	YES	13000000	1	4058012	376032	68.8	1455.2	0	1524	---	---	---
5	5.305E+09	YES	13000000	2	4059536	0	68.8	2324.2	540546	2393	3917	96	138
6	5.305E+09	YES	14000000	1	4743487	141012	76	1342	0	1418	---	---	---
6	5.305E+09	YES	14000000	2	4744905	0	76	2423	775566	2499	3917	36	198
7	5.305E+09	YES	20000000	1	6063516	540546	54.9	1852.1	0	1907	---	---	---
7	5.305E+09	YES	20000000	2	6065423	0	54.9	1955.1	376032	2010	3917	138	96
8	5.305E+09	YES	8000000	1	6897837	454372	66.9	1678.1	0	1745	---	---	---
8	5.305E+09	YES	8000000	2	6899582	0	66.9	2105.1	462206	2172	3917	116	118
9	5.305E+09	YES	20000000	1	7399213	35253	69.2	1175.8	0	1245	---	---	---
9	5.305E+09	YES	20000000	2	7400458	0	69.2	2602.8	881325	2672	3917	9	225
10	5.305E+09	YES	8000000	1	9020851	736396	59.1	1318.9	0	1378	---	---	---
10	5.305E+09	YES	8000000	2	9022229	0	59.1	1004.9	0	1064	---	---	---
10	5.305E+09	YES	8000000	3	9023293	0	59.1	1415.9	180182	1475	3917	188	46
11	5.305E+09	YES	13000000	1	9608401	403451	65.2	1161.8	0	1227	---	---	---
11	5.305E+09	YES	13000000	2	9609628	0	65.2	2624.8	513127	2690	3917	103	131
12	5.305E+09	YES	12000000	1	10673825	548380	57.6	1875.4	0	1933	---	---	---
12	5.305E+09	YES	12000000	2	10675758	0	57.6	1926.4	368198	1984	3917	140	94
13	5.305E+09	YES	5000000	1	11190869	144929	88.9	1258.1	0	1347	---	---	---
13	5.305E+09	YES	5000000	2	11192216	0	88.9	2481.1	771649	2570	3917	37	197

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.306E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.306E+09	YES	14000000	1	407185	407185	80.4	1346.6	0	1427	---	---	---
1	5.306E+09	YES	14000000	2	408612	0	80.4	4227.6	584970	4308	5735	71	102
2	5.306E+09	YES	5000000	1	1743440	745550	56	5679	246605	5735	5735	130	43
3	5.306E+09	YES	6000000	1	2076070	80290	92.5	5642.5	911865	5735	5735	14	159
4	5.306E+09	YES	14000000	1	3888330	894660	72.5	1472.5	0	1545	---	---	---
4	5.306E+09	YES	14000000	2	3889875	0	72.5	949.5	0	1022	---	---	---
4	5.306E+09	YES	14000000	3	3890897	0	72.5	3095.5	97495	3168	5735	156	17
5	5.306E+09	YES	12000000	1	4737110	745550	61.3	1125.7	0	1187	---	---	---
5	5.306E+09	YES	12000000	2	4738297	0	61.3	4486.7	246605	4548	5735	130	43
6	5.306E+09	YES	18000000	1	5373695	384245	92	5643	607910	5735	5735	67	106
7	5.306E+09	YES	17000000	1	6480550	493210	70.8	5664.2	498945	5735	5735	86	87
8	5.306E+09	YES	13000000	1	7616080	630850	89.5	1365.5	0	1455	---	---	---
8	5.306E+09	YES	13000000	2	7617535	0	89.5	4190.5	361305	4280	5735	110	63
9	5.306E+09	YES	17000000	1	8734405	751285	84.5	1283.5	0	1368	---	---	---
9	5.306E+09	YES	17000000	2	8735773	0	84.5	4282.5	240870	4367	5735	131	42
10	5.306E+09	YES	5000000	1	9353785	372775	65.5	5669.5	619380	5735	5735	65	108
11	5.306E+09	YES	11000000	1	10426230	447330	52.2	1880.8	0	1933	---	---	---
11	5.306E+09	YES	11000000	2	10428163	0	52.2	1869.8	0	1922	---	---	---
11	5.306E+09	YES	11000000	3	10430085	0	52.2	1827.8	544825	1880	5735	78	95
12	5.306E+09	YES	13000000	1	11871450	894660	51.2	1591.8	0	1643	---	---	---
12	5.306E+09	YES	13000000	2	11873093	0	51.2	4040.8	97495	4092	5735	156	17

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.307E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.307E+09	YES	5000000	1	160428	160428	64.8	1417.2	0	1482	---	---	---
1	5.307E+09	YES	5000000	2	161910	0	64.8	3985.2	464688	4050	5532	29	84
2	5.307E+09	YES	11000000	1	874056	243408	98.7	5433.3	381708	5532	5532	44	69
3	5.307E+09	YES	11000000	1	1842156	580860	99.5	1598.5	0	1698	---	---	---
3	5.307E+09	YES	11000000	2	1843854	0	99.5	3734.5	44256	3834	5532	105	8
4	5.307E+09	YES	11000000	1	2500464	608520	94.7	1728.3	0	1823	---	---	---
4	5.307E+09	YES	11000000	2	2502287	0	94.7	1831.3	0	1926	---	---	---
4	5.307E+09	YES	11000000	3	2504213	0	94.7	1688.3	16596	1783	5532	110	3
5	5.307E+09	YES	10000000	1	2622168	99576	98.2	903.8	0	1002	---	---	---
5	5.307E+09	YES	10000000	2	2623170	0	98.2	4431.8	525540	4530	5532	18	95
6	5.307E+09	YES	8000000	1	3628992	475752	61.1	1096.9	0	1158	---	---	---
6	5.307E+09	YES	8000000	2	3630150	0	61.1	1871.9	0	1933	---	---	---
6	5.307E+09	YES	8000000	3	3632083	0	61.1	2379.9	149364	2441	5532	86	27
7	5.307E+09	YES	10000000	1	4270704	486816	53.1	975.9	0	1029	---	---	---
7	5.307E+09	YES	10000000	2	4271733	0	53.1	4449.9	138300	4503	5532	88	25
8	5.307E+09	YES	16000000	1	4707732	293196	54	1437	0	1491	---	---	---
8	5.307E+09	YES	16000000	2	4709223	0	54	3987	331920	4041	5532	53	60
9	5.307E+09	YES	13000000	1	5653704	608520	58.9	5473.1	16596	5532	5532	110	3
10	5.307E+09	YES	10000000	1	5736684	60852	67	1624	0	1691	---	---	---
10	5.307E+09	YES	10000000	2	5738375	0	67	3774	564264	3841	5532	11	102
11	5.307E+09	YES	9000000	1	6820956	514476	85.7	1052.3	0	1138	---	---	---
11	5.307E+09	YES	9000000	2	6822094	0	85.7	4308.3	110640	4394	5532	93	20
12	5.307E+09	YES	19000000	1	7031172	94044	90.9	1119.1	0	1210	---	---	---
12	5.307E+09	YES	19000000	2	7032382	0	90.9	4231.1	531072	4322	5532	17	96
13	5.307E+09	YES	5000000	1	7977144	409368	54.4	1617.6	0	1672	---	---	---
13	5.307E+09	YES	5000000	2	7978816	0	54.4	3805.6	215748	3860	5532	74	39
14	5.307E+09	YES	17000000	1	8790348	591924	66.1	1091.9	0	1158	---	---	---
14	5.307E+09	YES	17000000	2	8791506	0	66.1	4307.9	33192	4374	5532	107	6
15	5.307E+09	YES	9000000	1	9033756	204684	95.8	5436.2	420432	5532	5532	37	76
16	5.307E+09	YES	16000000	1	10001856	542136	54.8	1711.2	0	1766	---	---	---
16	5.307E+09	YES	16000000	2	10003622	0	54.8	1437.2	0	1492	---	---	---
16	5.307E+09	YES	16000000	3	10005114	0	54.8	2219.2	82980	2274	5532	98	15
17	5.307E+09	YES	13000000	1	10638036	547668	54.7	1318.3	0	1373	---	---	---
17	5.307E+09	YES	13000000	2	10639409	0	54.7	4104.3	77448	4159	5532	99	14
18	5.307E+09	YES	13000000	1	10892508	171492	53.7	5478.3	453624	5532	5532	31	82
19	5.307E+09	YES	16000000	1	11965716	614052	78.9	1672.1	0	1751	---	---	---
19	5.307E+09	YES	16000000	2	11967467	0	78.9	1618.1	0	1697	---	---	---
19	5.307E+09	YES	16000000	3	11969164	0	78.9	2005.1	11064	2084	5532	111	2

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.308E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.308E+09	YES	10000000	1	771969	771969	99.9	1818.1	0	1918	---	---	---
1	5.308E+09	YES	10000000	2	773887	0	99.9	3163.1	20724	3263	5181	149	4
2	5.308E+09	YES	12000000	1	1549119	751245	62.4	1570.6	0	1633	---	---	---
2	5.308E+09	YES	12000000	2	1550752	0	62.4	1220.6	0	1283	---	---	---
2	5.308E+09	YES	12000000	3	1552035	0	62.4	2202.6	41448	2265	5181	145	8
3	5.308E+09	YES	16000000	1	1911789	316041	82	1215	0	1297	---	---	---
3	5.308E+09	YES	16000000	2	1913086	0	82	3802	476652	3884	5181	61	92
4	5.308E+09	YES	8000000	1	2859912	466290	54.8	1159.2	0	1214	---	---	---
4	5.308E+09	YES	8000000	2	2861126	0	54.8	3912.2	326403	3967	5181	90	63
5	5.308E+09	YES	9000000	1	3450546	259050	80.5	1250.5	0	1331	---	---	---
5	5.308E+09	YES	9000000	2	3451877	0	80.5	1876.5	0	1957	---	---	---
5	5.308E+09	YES	9000000	3	3453834	0	80.5	1812.5	533643	1893	5181	50	103
6	5.308E+09	YES	12000000	1	4372764	383394	78.3	1416.7	0	1495	---	---	---
6	5.308E+09	YES	12000000	2	4374259	0	78.3	3607.7	409299	3686	5181	74	79
7	5.308E+09	YES	20000000	1	5061837	274593	57.2	1662.8	0	1720	---	---	---
7	5.308E+09	YES	20000000	2	5063557	0	57.2	1706.8	0	1764	---	---	---
7	5.308E+09	YES	20000000	3	5065321	0	57.2	1639.8	518100	1697	5181	53	100
8	5.308E+09	YES	9000000	1	6377811	792693	70.2	1258.8	0	1329	---	---	---
8	5.308E+09	YES	9000000	2	6379140	0	70.2	3781.8	0	3852	5181	153	0
9	5.308E+09	YES	15000000	1	6724938	341946	91.8	1131.2	0	1223	---	---	---
9	5.308E+09	YES	15000000	2	6726161	0	91.8	3866.2	450747	3958	5181	66	87
10	5.308E+09	YES	8000000	1	7704147	523281	88.7	1595.3	0	1684	---	---	---
10	5.308E+09	YES	8000000	2	7705831	0	88.7	944.3	0	1033	---	---	---
10	5.308E+09	YES	8000000	3	7706864	0	88.7	2375.3	269412	2464	5181	101	52
11	5.308E+09	YES	12000000	1	8382858	404118	54.8	1708.2	0	1763	---	---	---
11	5.308E+09	YES	12000000	2	8384621	0	54.8	3363.2	388575	3418	5181	78	75
12	5.308E+09	YES	19000000	1	9149646	373032	85.8	1687.2	0	1773	---	---	---
12	5.308E+09	YES	19000000	2	9151419	0	85.8	3322.2	419661	3408	5181	72	81
13	5.308E+09	YES	9000000	1	9766185	191697	83	1132	0	1215	---	---	---
13	5.308E+09	YES	9000000	2	9767400	0	83	3883	600996	3966	5181	37	116
14	5.308E+09	YES	9000000	1	10595145	222783	92.2	1161.8	0	1254	---	---	---
14	5.308E+09	YES	9000000	2	10596399	0	92.2	3834.8	569910	3927	5181	43	110
15	5.308E+09	YES	20000000	1	11470734	300498	77.8	1668.2	0	1746	---	---	---
15	5.308E+09	YES	20000000	2	11472480	0	77.8	3357.2	492195	3435	5181	58	95

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.307E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.307E+09	YES	15000000	1	0	0	50.5	1049.5	0	1100	---	---	---
1	5.307E+09	YES	15000000	2	1100	0	50.5	1588.5	0	1639	---	---	---
1	5.307E+09	YES	15000000	3	2739	0	50.5	2739.5	624777	2790	5529	0	113
2	5.307E+09	YES	10000000	1	1050510	420204	79.4	1743.6	0	1823	---	---	---
2	5.307E+09	YES	10000000	2	1052333	0	79.4	1307.6	0	1387	---	---	---
2	5.307E+09	YES	10000000	3	1053720	0	79.4	2239.6	204573	2319	5529	76	37
3	5.307E+09	YES	20000000	1	1310373	49761	74.1	1830.9	0	1905	---	---	---
3	5.307E+09	YES	20000000	2	1312278	0	74.1	3549.9	575016	3624	5529	9	104
4	5.307E+09	YES	16000000	1	2366412	475494	83.1	1352.9	0	1436	---	---	---
4	5.307E+09	YES	16000000	2	2367848	0	83.1	1105.9	0	1189	---	---	---
4	5.307E+09	YES	16000000	3	2369037	0	83.1	2820.9	149283	2904	5529	86	27
5	5.307E+09	YES	9000000	1	2620746	99522	67	5462	525255	5529	5529	18	95
6	5.307E+09	YES	16000000	1	3311871	160341	95.3	1568.7	0	1664	---	---	---
6	5.307E+09	YES	16000000	2	3313535	0	95.3	1732.7	0	1828	---	---	---
6	5.307E+09	YES	16000000	3	3315363	0	95.3	1941.7	464436	2037	5529	29	84
7	5.307E+09	YES	20000000	1	4014054	232218	83.2	5445.8	392559	5529	5529	42	71
8	5.307E+09	YES	14000000	1	5031390	619248	66	1272	0	1338	---	---	---
8	5.307E+09	YES	14000000	2	5032728	0	66	4125	5529	4191	5529	112	1
9	5.307E+09	YES	6000000	1	5556645	514197	94.5	1499.5	0	1594	---	---	---
9	5.307E+09	YES	6000000	2	5558239	0	94.5	1878.5	0	1973	---	---	---
9	5.307E+09	YES	6000000	3	5560212	0	94.5	1867.5	110580	1962	5529	93	20
10	5.307E+09	YES	14000000	1	6225654	552900	80.5	5448.5	71877	5529	5529	100	13
11	5.307E+09	YES	17000000	1	6883605	580545	92.4	1711.6	0	1804	---	---	---
11	5.307E+09	YES	17000000	2	6885409	0	92.4	3632.6	44232	3725	5529	105	8
12	5.307E+09	YES	6000000	1	7265106	331740	63	1515	0	1578	---	---	---
12	5.307E+09	YES	6000000	2	7266684	0	63	3888	293037	3951	5529	60	53
13	5.307E+09	YES	19000000	1	7679781	116109	64.7	1079.3	0	1144	---	---	---
13	5.307E+09	YES	19000000	2	7680925	0	64.7	4320.3	508668	4385	5529	21	92
14	5.307E+09	YES	15000000	1	8332203	138225	83.3	1163.7	0	1247	---	---	---
14	5.307E+09	YES	15000000	2	8333450	0	83.3	4198.7	486552	4282	5529	25	88
15	5.307E+09	YES	9000000	1	8846400	22116	76.4	1453.6	0	1530	---	---	---
15	5.307E+09	YES	9000000	2	8847930	0	76.4	3922.6	602661	3999	5529	4	109
16	5.307E+09	YES	11000000	1	10068309	613719	76.3	1469.7	0	1546	---	---	---
16	5.307E+09	YES	11000000	2	10069855	0	76.3	3906.7	11058	3983	5529	111	2
17	5.307E+09	YES	18000000	1	10549332	464436	74.5	964.5	0	1039	---	---	---
17	5.307E+09	YES	18000000	2	10550371	0	74.5	4415.5	160341	4490	5529	84	29
18	5.307E+09	YES	11000000	1	11290218	575016	52.8	5476.2	49761	5529	5529	104	9
19	5.307E+09	YES	15000000	1	11395269	49761	93	1367	0	1460	---	---	---
19	5.307E+09	YES	15000000	2	11396729	0	93	3976	575016	4069	5529	9	104

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.299E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.299E+09	YES	7000000	1	320292	320292	82.5	1286.5	0	1369	---	---	---
1	5.299E+09	YES	7000000	2	321661	0	82.5	3632.5	376216	3715	5084	63	74
2	5.299E+09	YES	10000000	1	1352344	650752	86.4	4997.6	45756	5084	5084	128	9
3	5.299E+09	YES	9000000	1	1631964	228780	67.5	1789.5	0	1857	---	---	---
3	5.299E+09	YES	9000000	2	1633821	0	67.5	3159.5	467728	3227	5084	45	92
4	5.299E+09	YES	8000000	1	2770780	666004	61.6	958.4	0	1020	---	---	---
4	5.299E+09	YES	8000000	2	2771800	0	61.6	4002.4	30504	4064	5084	131	6
5	5.299E+09	YES	14000000	1	3228340	421972	79	5005	274536	5084	5084	83	54
6	5.299E+09	YES	9000000	1	3746908	238948	71.1	5012.9	457560	5084	5084	47	90
7	5.299E+09	YES	8000000	1	4382408	172856	84.4	1004.6	0	1089	---	---	---
7	5.299E+09	YES	8000000	2	4383497	0	84.4	3910.6	523652	3995	5084	34	103
8	5.299E+09	YES	12000000	1	5317864	406720	65	5019	289788	5084	5084	80	57
9	5.299E+09	YES	20000000	1	6039792	427056	97.9	1855.1	0	1953	---	---	---
9	5.299E+09	YES	20000000	2	6041745	0	97.9	3033.1	269452	3131	5084	84	53
10	5.299E+09	YES	10000000	1	6593948	279620	60	5024	416888	5084	5084	55	82
11	5.299E+09	YES	11000000	1	7026088	10168	61.7	1529.3	0	1591	---	---	---
11	5.299E+09	YES	11000000	2	7027679	0	61.7	1805.3	0	1867	---	---	---
11	5.299E+09	YES	11000000	3	7029546	0	61.7	1564.3	686340	1626	5084	2	135
12	5.299E+09	YES	17000000	1	7920872	203360	62	5022	493148	5084	5084	40	97
13	5.299E+09	YES	8000000	1	8724144	305040	74.4	5009.6	391468	5084	5084	60	77
14	5.299E+09	YES	9000000	1	9435904	315208	66.2	1232.8	0	1299	---	---	---
14	5.299E+09	YES	9000000	2	9437203	0	66.2	3718.8	381300	3785	5084	62	75
15	5.299E+09	YES	14000000	1	10112076	289788	89.2	1119.8	0	1209	---	---	---
15	5.299E+09	YES	14000000	2	10113285	0	89.2	1875.8	0	1965	---	---	---
15	5.299E+09	YES	14000000	3	10115250	0	89.2	1820.8	406720	1910	5084	57	80
16	5.299E+09	YES	12000000	1	11139044	615164	65.8	1774.2	0	1840	---	---	---
16	5.299E+09	YES	12000000	2	11140884	0	65.8	3178.2	81344	3244	5084	121	16
17	5.299E+09	YES	14000000	1	11606772	381300	73.6	1208.4	0	1282	---	---	---
17	5.299E+09	YES	14000000	2	11608054	0	73.6	1808.4	0	1882	---	---	---
17	5.299E+09	YES	14000000	3	11609936	0	73.6	1846.4	315208	1920	5084	75	62

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.299E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.299E+09	YES	7000000	1	699108	699108	51.6	1544.4	0	1596	---	---	---
1	5.299E+09	YES	7000000	2	700704	0	51.6	3044.4	150144	3096	4692	149	32
2	5.299E+09	YES	19000000	1	914940	60996	97.6	1714.4	0	1812	---	---	---
2	5.299E+09	YES	19000000	2	916752	0	97.6	1306.4	0	1404	---	---	---
2	5.299E+09	YES	19000000	3	918156	0	97.6	1378.4	788256	1476	4692	13	168
3	5.299E+09	YES	16000000	1	2449224	741336	83.1	4608.9	107916	4692	4692	158	23
4	5.299E+09	YES	9000000	1	3218712	656880	66.6	4625.4	192372	4692	4692	140	41
5	5.299E+09	YES	18000000	1	3645684	229908	98.7	1538.3	0	1637	---	---	---
5	5.299E+09	YES	18000000	2	3647321	0	98.7	2956.3	619344	3055	4692	49	132
6	5.299E+09	YES	17000000	1	4903140	633420	65.9	1107.1	0	1173	---	---	---
6	5.299E+09	YES	17000000	2	4904313	0	65.9	3453.1	215832	3519	4692	135	46
7	5.299E+09	YES	17000000	1	5423952	300288	96.2	4595.8	548964	4692	4692	64	117
8	5.299E+09	YES	8000000	1	6240360	262752	65.4	949.6	0	1015	---	---	---
8	5.299E+09	YES	8000000	2	6241375	0	65.4	3611.6	586500	3677	4692	56	125
9	5.299E+09	YES	15000000	1	7450896	619344	81.9	4610.1	229908	4692	4692	132	49
10	5.299E+09	YES	10000000	1	8328300	642804	67.7	1821.3	0	1889	---	---	---
10	5.299E+09	YES	10000000	2	8330189	0	67.7	2735.3	206448	2803	4692	137	44
11	5.299E+09	YES	18000000	1	8788116	248676	50.7	1271.3	0	1322	---	---	---
11	5.299E+09	YES	18000000	2	8789438	0	50.7	3319.3	600576	3370	4692	53	128
12	5.299E+09	YES	9000000	1	9444996	51612	69.3	1461.7	0	1531	---	---	---
12	5.299E+09	YES	9000000	2	9446527	0	69.3	3091.7	797640	3161	4692	11	170
13	5.299E+09	YES	20000000	1	10730604	483276	83.9	4608.1	365976	4692	4692	103	78
14	5.299E+09	YES	18000000	1	11504784	403512	63.6	1236.4	0	1300	---	---	---
14	5.299E+09	YES	18000000	2	11506084	0	63.6	3328.4	445740	3392	4692	86	95

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.298E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.298E+09	YES	19000000	1	1235045	1235045	86.8	1851.2	0	1938	---	---	---
1	5.298E+09	YES	19000000	2	1236983	0	86.8	1780.2	0	1867	---	---	---
1	5.298E+09	YES	19000000	3	1238850	0	86.8	1149.2	90738	1236	5041	245	18
2	5.298E+09	YES	7000000	1	1603038	272214	99.9	916.1	0	1016	---	---	---
2	5.298E+09	YES	7000000	2	1604054	0	99.9	1632.1	0	1732	---	---	---
2	5.298E+09	YES	7000000	3	1605786	0	99.9	2193.1	1053569	2293	5041	54	209
3	5.298E+09	YES	15000000	1	2928821	267173	76.9	4964.1	1058610	5041	5041	53	210
4	5.298E+09	YES	12000000	1	4239481	247009	56.8	1500.2	0	1557	---	---	---
4	5.298E+09	YES	12000000	2	4241038	0	56.8	1443.2	0	1500	---	---	---
4	5.298E+09	YES	12000000	3	4242538	0	56.8	1927.2	1078774	1984	5041	49	214
5	5.298E+09	YES	14000000	1	6144979	821683	75.9	1413.1	0	1489	---	---	---
5	5.298E+09	YES	14000000	2	6146468	0	75.9	3476.1	504100	3552	5041	163	100
6	5.298E+09	YES	18000000	1	6674284	20164	82.7	1493.3	0	1576	---	---	---
6	5.298E+09	YES	18000000	2	6675860	0	82.7	1157.3	0	1240	---	---	---
6	5.298E+09	YES	18000000	3	6677100	0	82.7	2142.3	1305619	2225	5041	4	259
7	5.298E+09	YES	7000000	1	9028431	1043487	51.1	1404.9	0	1456	---	---	---
7	5.298E+09	YES	7000000	2	9029887	0	51.1	3533.9	282296	3585	5041	207	56
8	5.298E+09	YES	13000000	1	10601223	1285455	59.9	1297.1	0	1357	---	---	---
8	5.298E+09	YES	13000000	2	10602580	0	59.9	3624.1	40328	3684	5041	255	8
9	5.298E+09	YES	6000000	1	11312004	665412	59.4	1926.6	0	1986	---	---	---
9	5.298E+09	YES	6000000	2	11313990	0	59.4	1791.6	0	1851	---	---	---
9	5.298E+09	YES	6000000	3	11315841	0	59.4	1144.6	660371	1204	5041	132	131

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.297E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.297E+09	YES	8000000	1	651248	651248	63.3	1046.7	0	1110	---	---	---
1	5.297E+09	YES	8000000	2	652358	0	63.3	4078.7	672256	4142	5252	124	128
2	5.297E+09	YES	14000000	1	2095548	766792	83.4	1168.6	0	1252	---	---	---
2	5.297E+09	YES	14000000	2	2096800	0	83.4	1117.6	0	1201	---	---	---
2	5.297E+09	YES	14000000	3	2098001	0	83.4	2715.6	556712	2799	5252	146	106
3	5.297E+09	YES	19000000	1	3377036	719524	60.6	1615.4	0	1676	---	---	---
3	5.297E+09	YES	19000000	2	3378712	0	60.6	3515.4	603980	3576	5252	137	115
4	5.297E+09	YES	17000000	1	5068180	1081912	71	1688	0	1759	---	---	---
4	5.297E+09	YES	17000000	2	5069939	0	71	3422	241592	3493	5252	206	46
5	5.297E+09	YES	13000000	1	6465212	1150188	76.2	1290.8	0	1367	---	---	---
5	5.297E+09	YES	13000000	2	6466579	0	76.2	3808.8	173316	3885	5252	219	33
6	5.297E+09	YES	16000000	1	6670040	26260	57	1600	0	1657	---	---	---
6	5.297E+09	YES	16000000	2	6671697	0	57	1188	0	1245	---	---	---
6	5.297E+09	YES	16000000	3	6672942	0	57	2293	1297244	2350	5252	5	247
7	5.297E+09	YES	17000000	1	7988292	15756	87.5	1348.5	0	1436	---	---	---
7	5.297E+09	YES	17000000	2	7989728	0	87.5	3728.5	1307748	3816	5252	3	249
8	5.297E+09	YES	12000000	1	10377952	1076660	70	1577	0	1647	---	---	---
8	5.297E+09	YES	12000000	2	10379599	0	70	1736	0	1806	---	---	---
8	5.297E+09	YES	12000000	3	10381405	0	70	1729	246844	1799	5252	205	47
9	5.297E+09	YES	16000000	1	11176256	546208	86.1	1648.9	0	1735	---	---	---
9	5.297E+09	YES	16000000	2	11177991	0	86.1	3430.9	777296	3517	5252	104	148

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.296E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.296E+09	YES	12000000	1	222272	222272	59.9	4772.1	434880	4832	4832	46	90
2	5.296E+09	YES	5000000	1	1294976	632992	83.5	1266.5	0	1350	---	---	---
2	5.296E+09	YES	5000000	2	1296326	0	83.5	3398.5	24160	3482	4832	131	5
3	5.296E+09	YES	11000000	1	1657376	333408	91.2	1699.8	0	1791	---	---	---
3	5.296E+09	YES	11000000	2	1659167	0	91.2	2949.8	323744	3041	4832	69	67
4	5.296E+09	YES	16000000	1	2000448	14496	72.2	1876.8	0	1949	---	---	---
4	5.296E+09	YES	16000000	2	2002397	0	72.2	2810.8	642656	2883	4832	3	133
5	5.296E+09	YES	16000000	1	3135968	488032	61	4771	169120	4832	4832	101	35
6	5.296E+09	YES	14000000	1	3493536	183616	66.3	1093.7	0	1160	---	---	---
6	5.296E+09	YES	14000000	2	3494696	0	66.3	3605.7	473536	3672	4832	38	98
7	5.296E+09	YES	7000000	1	4150688	178784	62.9	1109.1	0	1172	---	---	---
7	5.296E+09	YES	7000000	2	4151860	0	62.9	3597.1	478368	3660	4832	37	99
8	5.296E+09	YES	5000000	1	5102592	468704	93	4739	188448	4832	4832	97	39
9	5.296E+09	YES	10000000	1	5368352	72480	58	966	0	1024	---	---	---
9	5.296E+09	YES	10000000	2	5369376	0	58	1822	0	1880	---	---	---
9	5.296E+09	YES	10000000	3	5371256	0	58	1870	584672	1928	4832	15	121
10	5.296E+09	YES	7000000	1	6170464	212608	70.8	1535.2	0	1606	---	---	---
10	5.296E+09	YES	7000000	2	6172070	0	70.8	1078.2	0	1149	---	---	---
10	5.296E+09	YES	7000000	3	6173219	0	70.8	2006.2	444544	2077	4832	44	92
11	5.296E+09	YES	10000000	1	7035392	415552	66.7	1112.3	0	1179	---	---	---
11	5.296E+09	YES	10000000	2	7036571	0	66.7	1546.3	0	1613	---	---	---
11	5.296E+09	YES	10000000	3	7038184	0	66.7	1973.3	241600	2040	4832	86	50
12	5.296E+09	YES	7000000	1	7378464	96640	63.2	1762.8	0	1826	---	---	---
12	5.296E+09	YES	7000000	2	7380290	0	63.2	2942.8	560512	3006	4832	20	116
13	5.296E+09	YES	11000000	1	8325536	381728	89.1	1773.9	0	1863	---	---	---
13	5.296E+09	YES	11000000	2	8327399	0	89.1	1765.9	0	1855	---	---	---
13	5.296E+09	YES	11000000	3	8329254	0	89.1	1024.9	275424	1114	4832	79	57
14	5.296E+09	YES	17000000	1	8871552	265760	68.5	4763.5	391392	4832	4832	55	81
15	5.296E+09	YES	15000000	1	9852448	584672	95.3	4736.7	72480	4832	4832	121	15
16	5.296E+09	YES	16000000	1	10582080	652320	84.5	4747.5	4832	4832	4832	135	1
17	5.296E+09	YES	13000000	1	11041120	449376	60.7	1919.3	0	1980	---	---	---
17	5.296E+09	YES	13000000	2	11043100	0	60.7	2791.3	207776	2852	4832	93	43
18	5.296E+09	YES	11000000	1	11514656	260928	54	1189	0	1243	---	---	---
18	5.296E+09	YES	11000000	2	11515899	0	54	3535	396224	3589	4832	54	82

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.296E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.296E+09	YES	8000000	1	591334	591334	62.6	1552.4	0	1615	---	---	---
1	5.296E+09	YES	8000000	2	592949	0	62.6	1377.4	0	1440	---	---	---
1	5.296E+09	YES	8000000	3	594389	0	62.6	1729.4	203574	1792	4847	122	42
2	5.296E+09	YES	16000000	1	1584969	785214	88.7	1477.3	0	1566	---	---	---
2	5.296E+09	YES	16000000	2	1586535	0	88.7	1078.3	0	1167	---	---	---
2	5.296E+09	YES	16000000	3	1587702	0	88.7	2025.3	9694	2114	4847	162	2
3	5.296E+09	YES	7000000	1	2118139	518629	92.3	4754.7	276279	4847	4847	107	57
4	5.296E+09	YES	16000000	1	2893659	494394	65.5	1230.5	0	1296	---	---	---
4	5.296E+09	YES	16000000	2	2894955	0	65.5	1554.5	0	1620	---	---	---
4	5.296E+09	YES	16000000	3	2896575	0	65.5	1865.5	300514	1931	4847	102	62
5	5.296E+09	YES	14000000	1	3218408	19388	52.6	1289.4	0	1342	---	---	---
5	5.296E+09	YES	14000000	2	3219750	0	52.6	3452.4	775520	3505	4847	4	160
6	5.296E+09	YES	9000000	1	4498016	499241	95.6	4751.4	295667	4847	4847	103	61
7	5.296E+09	YES	20000000	1	5137820	339290	55.8	4791.2	455618	4847	4847	70	94
8	5.296E+09	YES	9000000	1	6199313	601028	90.3	4756.7	193880	4847	4847	124	40
9	5.296E+09	YES	15000000	1	6572532	174492	84.6	4762.4	620416	4847	4847	36	128
10	5.296E+09	YES	6000000	1	7561320	363525	60	1792	0	1852	---	---	---
10	5.296E+09	YES	6000000	2	7563172	0	60	2935	431383	2995	4847	75	89
11	5.296E+09	YES	16000000	1	8205971	208421	56.5	1645.5	0	1702	---	---	---
11	5.296E+09	YES	16000000	2	8207673	0	56.5	3088.5	586487	3145	4847	43	121
12	5.296E+09	YES	8000000	1	9466191	668886	91.6	1831.4	0	1923	---	---	---
12	5.296E+09	YES	8000000	2	9468114	0	91.6	2832.4	126022	2924	4847	138	26
13	5.296E+09	YES	8000000	1	10256252	659192	56.9	4790.1	135716	4847	4847	136	28
14	5.296E+09	YES	7000000	1	10576154	179339	86	1614	0	1700	---	---	---
14	5.296E+09	YES	7000000	2	10577854	0	86	1032	0	1118	---	---	---
14	5.296E+09	YES	7000000	3	10578972	0	86	1943	615569	2029	4847	37	127
15	5.296E+09	YES	15000000	1	11865456	668886	55.4	1900.6	0	1956	---	---	---
15	5.296E+09	YES	15000000	2	11867412	0	55.4	2835.6	126022	2891	4847	138	26

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.297E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.297E+09	YES	8000000	1	381654	381654	66.1	1866.9	0	1933	---	---	---
1	5.297E+09	YES	8000000	2	383587	0	66.1	1159.9	0	1226	---	---	---
1	5.297E+09	YES	8000000	3	384813	0	66.1	1667.9	210399	1734	4893	78	43
2	5.297E+09	YES	5000000	1	1179213	582267	60	4833	9786	4893	4893	119	2
3	5.297E+09	YES	7000000	1	1502151	308259	60.7	1006.3	0	1067	---	---	---
3	5.297E+09	YES	7000000	2	1503218	0	60.7	1045.3	0	1106	---	---	---
3	5.297E+09	YES	7000000	3	1504324	0	60.7	2659.3	283794	2720	4893	63	58
4	5.297E+09	YES	16000000	1	2206743	415905	53.6	4839.4	176148	4893	4893	85	36
5	5.297E+09	YES	12000000	1	2735187	347403	59	1372	0	1431	---	---	---
5	5.297E+09	YES	12000000	2	2736618	0	59	971	0	1030	---	---	---
5	5.297E+09	YES	12000000	3	2737648	0	59	2373	244650	2432	4893	71	50
6	5.297E+09	YES	20000000	1	3483816	499086	99.8	1579.2	0	1679	---	---	---
6	5.297E+09	YES	20000000	2	3485495	0	99.8	3114.2	92967	3214	4893	102	19
7	5.297E+09	YES	17000000	1	4026939	445263	67.7	4825.3	146790	4893	4893	91	30
8	5.297E+09	YES	19000000	1	4188408	9786	90.6	1033.4	0	1124	---	---	---
8	5.297E+09	YES	19000000	2	4189532	0	90.6	3678.4	582267	3769	4893	2	119
9	5.297E+09	YES	19000000	1	5269761	494193	51	1669	0	1720	---	---	---
9	5.297E+09	YES	19000000	2	5271481	0	51	3122	97860	3173	4893	101	20
10	5.297E+09	YES	8000000	1	5563341	190827	88.2	1443.8	0	1532	---	---	---
10	5.297E+09	YES	8000000	2	5564873	0	88.2	3272.8	401226	3361	4893	39	82
11	5.297E+09	YES	12000000	1	6395151	425691	82	1714	0	1796	---	---	---
11	5.297E+09	YES	12000000	2	6396947	0	82	1518	0	1600	---	---	---
11	5.297E+09	YES	12000000	3	6398547	0	82	1415	166362	1497	4893	87	34
12	5.297E+09	YES	12000000	1	6600657	34251	66.3	4826.7	557802	4893	4893	7	114
13	5.297E+09	YES	7000000	1	7471611	308259	56.6	1503.4	0	1560	---	---	---
13	5.297E+09	YES	7000000	2	7473171	0	56.6	1352.4	0	1409	---	---	---
13	5.297E+09	YES	7000000	3	7474580	0	56.6	1867.4	283794	1924	4893	63	58
14	5.297E+09	YES	12000000	1	8176203	415905	76.8	1534.2	0	1611	---	---	---
14	5.297E+09	YES	12000000	2	8177814	0	76.8	3205.2	176148	3282	4893	85	36
15	5.297E+09	YES	15000000	1	8670396	313152	95.6	4797.4	278901	4893	4893	64	57
16	5.297E+09	YES	19000000	1	9335844	381654	75.6	1779.4	0	1855	---	---	---
16	5.297E+09	YES	19000000	2	9337699	0	75.6	1326.4	0	1402	---	---	---
16	5.297E+09	YES	19000000	3	9339101	0	75.6	1560.4	210399	1636	4893	78	43
17	5.297E+09	YES	15000000	1	9898539	347403	61.6	1465.4	0	1527	---	---	---
17	5.297E+09	YES	15000000	2	9900066	0	61.6	3304.4	244650	3366	4893	71	50
18	5.297E+09	YES	19000000	1	10691205	543123	57.8	996.2	0	1054	---	---	---
18	5.297E+09	YES	19000000	2	10692259	0	57.8	3781.2	48930	3839	4893	111	10
19	5.297E+09	YES	11000000	1	11175612	430584	66.9	1632.1	0	1699	---	---	---
19	5.297E+09	YES	11000000	2	11177311	0	66.9	3127.1	161469	3194	4893	88	33
20	5.297E+09	YES	19000000	1	11870418	528444	53.8	1752.2	0	1806	---	---	---
20	5.297E+09	YES	19000000	2	11872224	0	53.8	3033.2	63609	3087	4893	108	13

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.296E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.296E+09	YES	11000000	1	749088	749088	75.6	4548.4	101728	4624	4624	162	22
2	5.296E+09	YES	7000000	1	1387200	531760	52.9	4571.1	319056	4624	4624	115	69
3	5.296E+09	YES	10000000	1	1743248	32368	93.6	4530.4	818448	4624	4624	7	177
4	5.296E+09	YES	9000000	1	3028720	462400	97.5	4526.5	388416	4624	4624	100	84
5	5.296E+09	YES	8000000	1	3509616	87856	87.6	1084.4	0	1172	---	---	---
5	5.296E+09	YES	8000000	2	3510788	0	87.6	1757.4	0	1845	---	---	---
5	5.296E+09	YES	8000000	3	3512633	0	87.6	1519.4	762960	1607	4624	19	165
6	5.296E+09	YES	18000000	1	4869072	591872	50.3	4573.7	258944	4624	4624	128	56
7	5.296E+09	YES	18000000	1	5354592	221952	58.8	1087.2	0	1146	---	---	---
7	5.296E+09	YES	18000000	2	5355738	0	58.8	3419.2	628864	3478	4624	48	136
8	5.296E+09	YES	11000000	1	6168416	180336	93.2	1114.8	0	1208	---	---	---
8	5.296E+09	YES	11000000	2	6169624	0	93.2	3322.8	670480	3416	4624	39	145
9	5.296E+09	YES	7000000	1	7037728	194208	69.2	4554.8	656608	4624	4624	42	142
10	5.296E+09	YES	18000000	1	8258464	559504	55.3	1771.7	0	1827	---	---	---
10	5.296E+09	YES	18000000	2	8260291	0	55.3	2741.7	291312	2797	4624	121	63
11	5.296E+09	YES	19000000	1	8910448	356048	78	1475	0	1553	---	---	---
11	5.296E+09	YES	19000000	2	8912001	0	78	2993	494768	3071	4624	77	107
12	5.296E+09	YES	19000000	1	10260656	850816	59.3	4564.7	0	4624	4624	184	0
13	5.296E+09	YES	15000000	1	10598208	332928	68.2	4555.8	517888	4624	4624	72	112
14	5.296E+09	YES	10000000	1	11929920	809200	56.5	1534.5	0	1591	---	---	---
14	5.296E+09	YES	10000000	2	11931511	0	56.5	1701.5	0	1758	---	---	---
14	5.296E+09	YES	10000000	3	11933269	0	56.5	1218.5	41616	1275	4624	175	9

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.297E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.297E+09	YES	15000000	1	301280	301280	62.8	1085.2	0	1148	---	---	---
1	5.297E+09	YES	15000000	2	302428	0	62.8	2555.2	549836	2618	3766	80	146
2	5.297E+09	YES	12000000	1	1265376	410494	87	3679	440622	3766	3766	109	117
3	5.297E+09	YES	16000000	1	2139088	429324	95.2	1830.8	0	1926	---	---	---
3	5.297E+09	YES	16000000	2	2141014	0	95.2	1744.8	421792	1840	3766	114	112
4	5.297E+09	YES	8000000	1	2719052	154406	88.1	1713.9	0	1802	---	---	---
4	5.297E+09	YES	8000000	2	2720854	0	88.1	1875.9	696710	1964	3766	41	185
5	5.297E+09	YES	9000000	1	3449656	30128	51.1	1624.9	0	1676	---	---	---
5	5.297E+09	YES	9000000	2	3451332	0	51.1	2038.9	820988	2090	3766	8	218
6	5.297E+09	YES	19000000	1	4428816	154406	54.7	1223.3	0	1278	---	---	---
6	5.297E+09	YES	19000000	2	4430094	0	54.7	2433.3	696710	2488	3766	41	185
7	5.297E+09	YES	9000000	1	5761980	632688	96.9	3669.1	218428	3766	3766	168	58
8	5.297E+09	YES	8000000	1	6703480	719306	82.2	1060.8	0	1143	---	---	---
8	5.297E+09	YES	8000000	2	6704623	0	82.2	2540.8	131810	2623	3766	191	35
9	5.297E+09	YES	6000000	1	7686406	847350	93.7	1723.3	0	1817	---	---	---
9	5.297E+09	YES	6000000	2	7688223	0	93.7	1855.3	3766	1949	3766	225	1
10	5.297E+09	YES	8000000	1	8473500	779562	59	1858	0	1917	---	---	---
10	5.297E+09	YES	8000000	2	8475417	0	59	1790	71554	1849	3766	207	19
11	5.297E+09	YES	8000000	1	8748418	199598	89.4	1821.6	0	1911	---	---	---
11	5.297E+09	YES	8000000	2	8750329	0	89.4	1765.6	651518	1855	3766	53	173
12	5.297E+09	YES	12000000	1	9938474	534772	61.4	3704.6	316344	3766	3766	142	84
13	5.297E+09	YES	5000000	1	11019316	760732	72.2	3693.8	90384	3766	3766	202	24
14	5.297E+09	YES	16000000	1	11493832	380366	61.5	1308.5	0	1370	---	---	---
14	5.297E+09	YES	16000000	2	11495202	0	61.5	2334.5	470750	2396	3766	101	125

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.298E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.298E+09	YES	15000000	1	255636	255636	87.8	1633.2	0	1721	---	---	---
1	5.298E+09	YES	15000000	2	257357	0	87.8	2925.2	658026	3013	4734	54	139
2	5.298E+09	YES	6000000	1	975204	56808	80.3	4653.7	856854	4734	4734	12	181
3	5.298E+09	YES	18000000	1	2125566	288774	82.7	1006.3	0	1089	---	---	---
3	5.298E+09	YES	18000000	2	2126655	0	82.7	3562.3	624888	3645	4734	61	132
4	5.298E+09	YES	20000000	1	3488958	733770	78.7	954.3	0	1033	---	---	---
4	5.298E+09	YES	20000000	2	3489991	0	78.7	3622.3	179892	3701	4734	155	38
5	5.298E+09	YES	7000000	1	3848742	175158	76.5	1768.5	0	1845	---	---	---
5	5.298E+09	YES	7000000	2	3850587	0	76.5	2812.5	738504	2889	4734	37	156
6	5.298E+09	YES	17000000	1	5126922	534942	76.1	961.9	0	1038	---	---	---
6	5.298E+09	YES	17000000	2	5127960	0	76.1	3619.9	378720	3696	4734	113	80
7	5.298E+09	YES	6000000	1	6348294	837918	62.8	4671.2	75744	4734	4734	177	16
8	5.298E+09	YES	12000000	1	7243020	814248	70	1365	0	1435	---	---	---
8	5.298E+09	YES	12000000	2	7244455	0	70	1685	0	1755	---	---	---
8	5.298E+09	YES	12000000	3	7246210	0	70	1474	99414	1544	4734	172	21
9	5.298E+09	YES	8000000	1	7877376	530208	64	1071	0	1135	---	---	---
9	5.298E+09	YES	8000000	2	7878511	0	64	1144	0	1208	---	---	---
9	5.298E+09	YES	8000000	3	7879719	0	64	2327	383454	2391	4734	112	81
10	5.298E+09	YES	6000000	1	8497530	231966	84.3	1080.7	0	1165	---	---	---
10	5.298E+09	YES	6000000	2	8498695	0	84.3	3484.7	681696	3569	4734	49	144
11	5.298E+09	YES	20000000	1	9879858	695898	55.2	1004.8	0	1060	---	---	---
11	5.298E+09	YES	20000000	2	9880918	0	55.2	1267.8	0	1323	---	---	---
11	5.298E+09	YES	20000000	3	9882241	0	55.2	2295.8	217764	2351	4734	147	46
12	5.298E+09	YES	16000000	1	10708308	605952	61.8	1637.2	0	1699	---	---	---
12	5.298E+09	YES	16000000	2	10710007	0	61.8	1356.2	0	1418	---	---	---
12	5.298E+09	YES	16000000	3	10711425	0	61.8	1555.2	307710	1617	4734	128	65
13	5.298E+09	YES	12000000	1	11380536	359784	52.5	1554.5	0	1607	---	---	---
13	5.298E+09	YES	12000000	2	11382143	0	52.5	3074.5	553878	3127	4734	76	117

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.299E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.299E+09	YES	5000000	1	965686	965686	54.1	1031.9	0	1086	---	---	---
1	5.299E+09	YES	5000000	2	966772	0	54.1	1152.9	0	1207	---	---	---
1	5.299E+09	YES	5000000	3	967979	0	54.1	3234.9	117222	3289	5582	173	21
2	5.299E+09	YES	14000000	1	1306188	217698	67.5	1626.5	0	1694	---	---	---
2	5.299E+09	YES	14000000	2	1307882	0	67.5	3820.5	865210	3888	5582	39	155
3	5.299E+09	YES	15000000	1	2188144	11164	84.6	1542.4	0	1627	---	---	---
3	5.299E+09	YES	15000000	2	2189771	0	84.6	3870.4	1071744	3955	5582	2	192
4	5.299E+09	YES	19000000	1	3728776	463306	92.2	5489.8	619602	5582	5582	83	111
5	5.299E+09	YES	15000000	1	5141022	787062	88.3	1730.7	0	1819	---	---	---
5	5.299E+09	YES	15000000	2	5142841	0	88.3	3674.7	295846	3763	5582	141	53
6	5.299E+09	YES	13000000	1	6196020	753570	83.5	1280.5	0	1364	---	---	---
6	5.299E+09	YES	13000000	2	6197384	0	83.5	4134.5	329338	4218	5582	135	59
7	5.299E+09	YES	15000000	1	6570014	39074	83.8	1615.2	0	1699	---	---	---
7	5.299E+09	YES	15000000	2	6571713	0	83.8	3799.2	1043834	3883	5582	7	187
8	5.299E+09	YES	7000000	1	8439984	820554	83.4	1436.6	0	1520	---	---	---
8	5.299E+09	YES	7000000	2	8441504	0	83.4	3978.6	262354	4062	5582	147	47
9	5.299E+09	YES	17000000	1	9249374	541454	64.4	1254.6	0	1319	---	---	---
9	5.299E+09	YES	17000000	2	9250693	0	64.4	1837.6	0	1902	---	---	---
9	5.299E+09	YES	17000000	3	9252595	0	64.4	2296.6	541454	2361	5582	97	97
10	5.299E+09	YES	5000000	1	9818738	22328	73.7	5508.3	1060580	5582	5582	4	190
11	5.299E+09	YES	7000000	1	11258894	373994	98	1677	0	1775	---	---	---
11	5.299E+09	YES	7000000	2	11260669	0	98	1809	0	1907	---	---	---
11	5.299E+09	YES	7000000	3	11262576	0	98	1802	708914	1900	5582	67	127

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.299E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.299E+09	YES	12000000	1	646488	646488	54.6	5201.4	147168	5256	5256	123	28
2	5.299E+09	YES	7000000	1	851472	52560	58.1	5197.9	741096	5256	5256	10	141
3	5.299E+09	YES	11000000	1	2228544	630720	77	1327	0	1404	---	---	---
3	5.299E+09	YES	11000000	2	2229948	0	77	3775	162936	3852	5256	120	31
4	5.299E+09	YES	17000000	1	2533392	136656	68.4	1419.6	0	1488	---	---	---
4	5.299E+09	YES	17000000	2	2534880	0	68.4	3699.6	657000	3768	5256	26	125
5	5.299E+09	YES	16000000	1	3894696	699048	58.8	1789.2	0	1848	---	---	---
5	5.299E+09	YES	16000000	2	3896544	0	58.8	3349.2	94608	3408	5256	133	18
6	5.299E+09	YES	9000000	1	4467600	473040	54.6	1790.4	0	1845	---	---	---
6	5.299E+09	YES	9000000	2	4469445	0	54.6	1094.4	0	1149	---	---	---
6	5.299E+09	YES	9000000	3	4470594	0	54.6	2207.4	320616	2262	5256	90	61
7	5.299E+09	YES	16000000	1	5324328	530856	52	1149	0	1201	---	---	---
7	5.299E+09	YES	16000000	2	5325529	0	52	4003	262800	4055	5256	101	50
8	5.299E+09	YES	14000000	1	6133752	541368	60.7	1175.3	0	1236	---	---	---
8	5.299E+09	YES	14000000	2	6134988	0	60.7	3959.3	252288	4020	5256	103	48
9	5.299E+09	YES	18000000	1	6417576	26280	55.1	1854.9	0	1910	---	---	---
9	5.299E+09	YES	18000000	2	6419486	0	55.1	990.9	0	1046	---	---	---
9	5.299E+09	YES	18000000	3	6420532	0	55.1	2244.9	767376	2300	5256	5	146
10	5.299E+09	YES	10000000	1	7426728	236520	98	1532	0	1630	---	---	---
10	5.299E+09	YES	10000000	2	7428358	0	98	1667	0	1765	---	---	---
10	5.299E+09	YES	10000000	3	7430123	0	98	1763	557136	1861	5256	45	106
11	5.299E+09	YES	10000000	1	8609328	620208	97.4	5158.6	173448	5256	5256	118	33
12	5.299E+09	YES	15000000	1	8924688	136656	76.1	5179.9	657000	5256	5256	26	125
13	5.299E+09	YES	13000000	1	9781416	194472	55.1	5200.9	599184	5256	5256	37	114
14	5.299E+09	YES	16000000	1	10627632	241776	51.6	1262.4	0	1314	---	---	---
14	5.299E+09	YES	16000000	2	10628946	0	51.6	1768.4	0	1820	---	---	---
14	5.299E+09	YES	16000000	3	10630766	0	51.6	2070.4	551880	2122	5256	46	105
15	5.299E+09	YES	12000000	1	11221560	36792	61.2	1023.8	0	1085	---	---	---
15	5.299E+09	YES	12000000	2	11222645	0	61.2	984.8	0	1046	---	---	---
15	5.299E+09	YES	12000000	3	11223691	0	61.2	3063.8	756864	3125	5256	7	144

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.295E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.295E+09	YES	20000000	1	574587	574587	81.8	1761.2	0	1843	---	---	---
1	5.295E+09	YES	20000000	2	576430	0	81.8	2986.2	618786	3068	4911	117	126
2	5.295E+09	YES	17000000	1	2033154	834870	66.2	1901.8	0	1968	---	---	---
2	5.295E+09	YES	17000000	2	2035122	0	66.2	1552.8	0	1619	---	---	---
2	5.295E+09	YES	17000000	3	2036741	0	66.2	1257.8	358503	1324	4911	170	73
3	5.295E+09	YES	9000000	1	3138129	741561	61.2	1894.8	0	1956	---	---	---
3	5.295E+09	YES	9000000	2	3140085	0	61.2	1181.8	0	1243	---	---	---
3	5.295E+09	YES	9000000	3	3141328	0	61.2	1650.8	451812	1712	4911	151	92
4	5.295E+09	YES	17000000	1	4606518	1011666	92	1716	0	1808	---	---	---
4	5.295E+09	YES	17000000	2	4608326	0	92	3011	181707	3103	4911	206	37
5	5.295E+09	YES	17000000	1	5269503	476367	99.3	1823.7	0	1923	---	---	---
5	5.295E+09	YES	17000000	2	5271426	0	99.3	2888.7	717006	2988	4911	97	146
6	5.295E+09	YES	8000000	1	6153483	162063	93.1	1230.9	0	1324	---	---	---
6	5.295E+09	YES	8000000	2	6154807	0	93.1	1032.9	0	1126	---	---	---
6	5.295E+09	YES	8000000	3	6155933	0	93.1	2367.9	1031310	2461	4911	33	210
7	5.295E+09	YES	14000000	1	7405788	216084	59.1	4851.9	977289	4911	4911	44	199
8	5.295E+09	YES	11000000	1	8520585	132597	79.4	4831.6	1060776	4911	4911	27	216
9	5.295E+09	YES	12000000	1	9664848	78576	76	1211	0	1287	---	---	---
9	5.295E+09	YES	12000000	2	9666135	0	76	1410	0	1486	---	---	---
9	5.295E+09	YES	12000000	3	9667621	0	76	2062	1114797	2138	4911	16	227
10	5.295E+09	YES	10000000	1	11717646	933090	99.7	1610.3	0	1710	---	---	---
10	5.295E+09	YES	10000000	2	11719356	0	99.7	3101.3	260283	3201	4911	190	53

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.295E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps	Number Trail Blank Reps
1	5.295E+09	YES	18000000	1	383952	383952	76.6	4975.4	606240	5052	5052	76	120
2	5.295E+09	YES	18000000	1	1571172	575928	90.7	1891.3	0	1982	---	---	---
2	5.295E+09	YES	18000000	2	1573154	0	90.7	2979.3	414264	3070	5052	114	82
3	5.295E+09	YES	10000000	1	2419908	429420	92.5	4959.5	560772	5052	5052	85	111
4	5.295E+09	YES	11000000	1	3202968	217236	91.2	4960.8	772956	5052	5052	43	153
5	5.295E+09	YES	13000000	1	4046652	65676	63.8	4988.2	924516	5052	5052	13	183
6	5.295E+09	YES	8000000	1	5673396	697176	87	1694	0	1781	---	---	---
6	5.295E+09	YES	8000000	2	5675177	0	87	3184	293016	3271	5052	138	58
7	5.295E+09	YES	18000000	1	6653484	682020	88	1125	0	1213	---	---	---
7	5.295E+09	YES	18000000	2	6654697	0	88	3751	308172	3839	5052	135	61
8	5.295E+09	YES	13000000	1	7936692	969984	61	1598	0	1659	---	---	---
8	5.295E+09	YES	13000000	2	7938351	0	61	1474	0	1535	---	---	---
8	5.295E+09	YES	13000000	3	7939886	0	61	1797	20208	1858	5052	192	4
9	5.295E+09	YES	19000000	1	8270124	308172	66.1	4985.9	682020	5052	5052	61	135
10	5.295E+09	YES	16000000	1	9512916	555720	67.2	1609.8	0	1677	---	---	---
10	5.295E+09	YES	16000000	2	9514593	0	67.2	1721.8	0	1789	---	---	---
10	5.295E+09	YES	16000000	3	9516382	0	67.2	1518.8	434472	1586	5052	110	86
11	5.295E+09	YES	9000000	1	10487952	535512	97.2	1570.8	0	1668	---	---	---
11	5.295E+09	YES	9000000	2	10489620	0	97.2	1570.8	0	1668	---	---	---
11	5.295E+09	YES	9000000	3	10491288	0	97.2	1618.8	454680	1716	5052	106	90
12	5.295E+09	YES	12000000	1	11776212	828528	76.9	1292.1	0	1369	---	---	---
12	5.295E+09	YES	12000000	2	11777581	0	76.9	1811.1	0	1888	---	---	---
12	5.295E+09	YES	12000000	3	11779469	0	76.9	1718.1	161664	1795	5052	164	32

STATISTICAL PERFORMANCE CHECK - WORKING
RADIO 96 kHz

NORTHWEST EMC
XMit 2015.01.14

Profile Type	USA 'Bin 5'
Profile Freq (Hz)	5.296E+09
ARB Sample Rate (Hz)	100000000
Pulse Power (dBm)	8

Burst Number	Frequency (Hz)	Burst Seen?	Chirp BW (Hz)	Pulse Number	Start Time (usecs)	Lead Blank Time (usecs)	PW (usecs)	Off Time (usecs)	Trail Blank Time (usecs)	Pulse Active Time (on+off, usecs)	Total Burst Active Time (usecs)	Number Lead Blank Reps
1	5.296E+09	YES	12000000	1	693174	693174	83.7	934.3	0	1018	---	---
1	5.296E+09	YES	12000000	2	694192	0	83.7	3921.3	301380	4005	5023	138
2	5.296E+09	YES	16000000	1	1436578	437001	70.6	1863.4	0	1934	---	---
2	5.296E+09	YES	16000000	2	1438512	0	70.6	3018.4	557553	3089	5023	87
3	5.296E+09	YES	14000000	1	2365833	366679	65.7	4957.3	627875	5023	5023	73
4	5.296E+09	YES	19000000	1	3159467	160736	77	4946	833818	5023	5023	32
5	5.296E+09	YES	9000000	1	4400148	401840	78.3	965.7	0	1044	---	---
5	5.296E+09	YES	9000000	2	4401192	0	78.3	3900.7	592714	3979	5023	80
6	5.296E+09	YES	6000000	1	5540369	542484	96.1	1870.9	0	1967	---	---
6	5.296E+09	YES	6000000	2	5542336	0	96.1	1320.9	0	1417	---	---
6	5.296E+09	YES	6000000	3	5543753	0	96.1	1542.9	452070	1639	5023	108
7	5.296E+09	YES	5000000	1	6846349	848887	70.8	1646.2	0	1717	---	---
7	5.296E+09	YES	5000000	2	6848066	0	70.8	1363.2	0	1434	---	---
7	5.296E+09	YES	5000000	3	6849500	0	70.8	1801.2	145667	1872	5023	169
8	5.296E+09	YES	16000000	1	7192936	195897	74.1	1131.9	0	1206	---	---
8	5.296E+09	YES	16000000	2	7194142	0	74.1	3742.9	798657	3817	5023	39

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

FCC-Type 6, Trial 1 of 3
All Frequencies in MHz

Trial #1	Trial #2	Trial #3	Trial #4	Trial #5	Trial #6	Trial #7	Trial #8	Trial #9	Trial #10	Trial #11	Trial #12	Trial #13
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5654	5548	5649	5665	5564	5680	5553	5668	5649	5689	5595	5523	5656
5545	5527	5282	5588	5505	5519	5698	5265	5616	5264	5707	5701	5596
5542	5622	5532	5706	5592	5635	5306	5591	5291	5544	5496	5706	5257
5298	5691	5272	5258	5677	5534	5659	5572	5260	5587	5578	5643	5617
5275	5537	5605	5586	5554	5535	5323	5643	5319	5522	5675	5605	5288
5633	5627	5278	5262	5672	5649	5674	5276	5706	5645	5275	5524	5531
5660	5328	5306	5654	5674	5643	5555	5274	5312	5330	5497	5707	5523
5534	5504	5513	5641	5578	5675	5620	5603	5272	5684	5542	5595	5651
5634	5329	5305	5664	5279	5651	5684	5657	5285	5693	5256	5540	5637
5491	5311	5644	5701	5600	5539	5316	5273	5591	5268	5657	5319	5300
5710	5600	5259	5568	5593	5263	5594	5281	5541	5570	5253	5303	5512
5320	5526	5670	5639	5700	5678	5581	5541	5655	5618	5301	5609	5286
5688	5686	5503	5503	5308	5253	5503	5596	5575	5563	5303	5558	5496
5325	5706	5669	5624	5622	5558	5685	5641	5523	5511	5526	5629	5507
5301	5648	5317	5321	5589	5549	5597	5552	5308	5259	5541	5545	5660
5255	5274	5686	5658	5538	5647	5667	5555	5631	5709	5632	5660	5547
5617	5703	5548	5671	5289	5511	5633	5537	5302	5328	5507	5688	5314
5544	5549	5314	5681	5602	5280	5709	5636	5512	5321	5493	5305	5521
5692	5511	5539	5298	5628	5602	5644	5633	5513	5555	5654	5606	5702
5272	5517	5549	5615	5541	5273	5642	5546	5283	5664	5316	5586	5299
5625	5543	5613	5630	5596	5318	5573	5568	5269	5554	5516	5520	5594
5507	5519	5695	5702	5546	5276	5504	5604	5584	5252	5306	5515	5528
5593	5306	5610	5674	5529	5557	5626	5558	5282	5551	5694	5281	5649
5623	5558	5606	5491	5644	5566	5545	5677	5577	5497	5636	5292	5317
5670	5251	5672	5610	5660	5600	5612	5600	5694	5553	5635	5260	5707
5267	5300	5659	5606	5695	5325	5641	5516	5627	5661	5251	5280	5699
5642	5546	5562	5582	5508	5265	5638	5567	5503	5612	5664	5626	5539
5570	5324	5678	5662	5328	5271	5688	5610	5502	5681	5634	5583	5687
5324	5261	5569	5305	5266	5654	5707	5589	5494	5323	5574	5565	5673
5319	5577	5303	5592	5626	5496	5284	5509	5573	5585	5259	5533	5648
5258	5623	5571	5255	5551	5541	5679	5491	5255	5601	5679	5615	5665
5583	5260	5637	5310	5604	5328	5513	5258	5622	5550	5688	5641	5613
5559	5298	5270	5626	5491	5313	5591	5551	5703	5680	5638	5590	5287
5586	5500	5555	5598	5655	5302	5278	5626	5500	5667	5591	5507	5544
5631	5501	5507	5595	5583	5548	5619	5542	5689	5253	5511	5604	5293
5490	5523	5653	5498	5500	5626	5665	5526	5277	5301	5687	5576	5292
5702	5708	5691	5575	5521	5501	5308	5651	5710	5295	5554	5495	5326
5619	5291	5673	5679	5690	5491	5666	5290	5294	5256	5552	5291	5560
5504	5663	5664	5501	5615	5571	5572	5553	5517	5607	5594	5549	5518
5289	5531	5287	5300	5290	5624	5327	5503	5306	5315	5700	5539	5567
5305	5319	5706	5601	5274	5278	5603	5539	5605	5646	5310	5663	5691
5515	5629	5647	5263	5633	5621	5255	5692	5696	5506	5608	5287	5692
5547	5507	5273	5280	5612	5553	5599	5294	5625	5683	5670	5256	5576
5543	5313	5541	5577	5584	5297	5309	5327	5660	5567	5274	5578	5517
5706	5705	5300	5694	5540	5497	5583	5285	5547	5620	5575	5254	5558
5495	5574	5677	5509	5514	5632	5588	5683	5603	5704	5317	5521	5652
5696	5695	5266	5545	5599	5686	5317	5267	5708	5562	5528	5562	5276
5310	5282	5698	5514	5585	5639	5546	5666	5544	5696	5495	5315	5254
5627	5491	5508	5613	5637	5709	5321	5280	5548	5586	5548	5694	5297
5639	5678	5689	5633	5326	5516	5617	5669	5295	5649	5659	5678	5546
5252	5320	5323	5271	5693	5693	5650	5523	5329	5657	5650	5497	5316
5612	5525	5540	5627	5543	5662	5511	5260	5588	5566	5258	5594	5701
5575	5598	5604	5642	5610	5589	5286	5698	5558	5527	5330	5704	5514
5584	5615	5276	5275	5530	5299	5314	5283	5615	5265	5558	5655	5683
5296	5641	5584	5691	5707	5518	5492	5637	5679	5616	5684	5692	5284
5303	5330	5585	5656	5545	5617	5534	5529	5613	5523	5328	5639	5525
5553	5559	5619	5620	5639	5668	5557	5515	5650	5258	5546	5499	5530
5538	5252	5704	5675	5650	5610	5515	5554	5496	5640	5539	5511	
5707	5292	5682	5534	5533	5652	5498	5707	5634	5561	5555	5644	
5607	5296	5645	5611	5586	5580	5259	5308	5681		5710	5642	
5562	5257	5614	5555	5561	5656	5300	5496	5270		5520	5552	
5314	5299	5251	5496		5494	5584	5665			5660	5279	
5306	5498	5671	5638			5607	5545			5699	5554	
5655	5258	5514				5280	5629			5261	5555	
5537	5601	5258				5535	5268			5668	5542	

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

NORTHWEST EMC

XMit 2015.01.14

FCC-Type 6, Trial 2 of 3
All Frequencies in MHz

Trial #14	Trial #15	Trial #16	Trial #17	Trial #18	Trial #19	Trial #20	Trial #21	Trial #22	Trial #23	Trial #24	Trial #25	Trial #26
PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS
5299	5490	5655	5572	5538	5613	5324	5543	5552	5494	5690	5651	5653
5253	5543	5277	5500	5535	5280	5255	5580	5664	5309	5289	5626	5532
5493	5569	5505	5260	5596	5608	5523	5295	5329	5507	5580	5704	5510
5613	5325	5628	5316	5666	5617	5590	5679	5669	5508	5307	5679	5633
5650	5647	5570	5275	5296	5653	5516	5584	5501	5542	5581	5525	5566
5536	5599	5251	5696	5646	5279	5499	5527	5663	5661	5688	5282	5668
5607	5700	5552	5647	5530	5595	5518	5707	5518	5620	5622	5292	5259
5294	5634	5544	5671	5328	5610	5589	5646	5605	5503	5615	5546	5269
5329	5549	5264	5314	5493	5510	5282	5602	5316	5266	5698	5650	5584
5705	5595	5535	5656	5574	5633	5556	5663	5310	5555	5510	5547	5594
5511	5638	5496	5617	5532	5538	5490	5546	5291	5330	5710	5535	5614
5709	5327	5664	5519	5612	5563	5546	5319	5532	5608	5680	5507	5621
5521	5667	5595	5664	5667	5585	5698	5493	5708	5693	5658	5699	5301
5295	5510	5521	5544	5280	5652	5587	5598	5268	5688	5563	5611	5491
5552	5544	5268	5317	5642	5520	5674	5701	5679	5505	5278	5509	5694
5523	5632	5517	5613	5270	5535	5272	5674	5499	5679	5664	5707	5658
5263	5673	5528	5512	5303	5567	5648	5593	5550	5664	5281	5684	5530
5272	5557	5699	5614	5563	5546	5576	5286	5616	5553	5614	5587	5611
5313	5274	5629	5592	5572	5575	5250	5499	5569	5600	5276	5559	5310
5634	5294	5599	5516	5622	5531	5258	5608	5495	5570	5561	5631	5545
5699	5535	5299	5285	5316	5648	5256	5264	5620	5587	5555	5513	5577
5626	5693	5304	5634	5514	5557	5607	5649	5542	5536	5574	5636	5574
5277	5660	5511	5637	5313	5312	5631	5687	5303	5632	5551	5618	5650
5696	5678	5674	5621	5588	5611	5651	5536	5577	5292	5291	5302	5606
5305	5273	5320	5700	5708	5522	5688	5704	5640	5510	5547	5597	5288
5529	5508	5296	5648	5557	5702	5283	5651	5535	5701	5257	5259	5503
5553	5620	5523	5537	5509	5491	5639	5313	5497	5627	5652	5512	5680
5252	5269	5292	5506	5641	5674	5620	5693	5307	5271	5262	5702	5277
5556	5623	5583	5309	5263	5689	5635	5534	5312	5293	5643	5603	5525
5286	5251	5258	5292	5279	5699	5653	5558	5557	5256	5306	5289	5609
5314	5628	5255	5652	5282	5536	5684	5531	5622	5625	5639	5315	5279
5679	5493	5687	5575	5256	5694	5311	5287	5666	5264	5612	5316	5675
5260	5574	5626	5653	5254	5662	5257	5630	5491	5497	5704	5609	5709
5262	5568	5520	5509	5541	5551	5536	5275	5694	5703	5549	5520	5302
5689	5254	5313	5542	5648	5654	5551	5618	5703	5491	5288	5591	5280
5574	5277	5326	5263	5651	5323	5284	5583	5642	5648	5516	5551	5607
5683	5316	5637	5307	5621	5677	5532	5647	5297	5680	5325	5251	5557
5527	5320	5606	5562	5681	5663	5526	5669	5515	5554	5633	5569	5578
5688	5682	5286	5663	5326	5278	5710	5660	5313	5594	5608	5585	5497
5283	5554	5522	5625	5591	5614	5298	5559	5530	5285	5708	5536	5659
5571	5654	5506	5679	5494	5680	5598	5606	5651	5278	5277	5261	5537
5549	5684	5491	5313	5306	5326	5627	5590	5638	5697	5264	5543	5700
5694	5666	5492	5502	5643	5549	5609	5533	5613	5287	5541	5578	5541
5659	5271	5272	5564	5581	5609	5315	5258	5273	5707	5626	5311	5268
5599	5264	5704	5559	5705	5615	5520	5581	5652	5699	5543	5278	5605
5612	5570	5547	5599	5654	5330	5281	5652	5607	5563	5569	5673	5629
5615	5270	5494	5327	5553	5704	5527	5261	5277	5324	5681	5295	5569
5289	5503	5593	5548	5661	5515	5571	5565	5308	5662	5533	5614	5571
5327	5279	5638	5569	5516	5307	5521	5612	5510	5295	5293	5604	5696
5602	5288	5644	5626	5632	5277	5301	5537	5516	5702	5308	5281	5616
5706	5635	5546	5669	5710	5259	5498	5545	5279	5571	5535	5634	5316
5507	5515	5669	5322	5590	5607	5683	5544	5281	5551	5632	5613	5636
5690	5579	5514	5631	5702	5295	5608	5490	5648	5492	5523	5298	5293
5668	5302	5322	5297	5317	5527	5312	5697	5315	5695	5641	5676	5598
5496	5652	5548	5689	5562	5668	5271	5520	5626	5673	5613	5584	5508
5570	5528	5643	5496	5627	5266	5573	5622	5267	5645	5494	5582	5590
5697	5580	5692	5611	5311	5671	5667	5686	5593	5671	5600	5530	5661
5594	5646	5499	5257	5511	5657	5325	5503	5551	5540	5573	5312	5501
5588	5523	5308	5498	5579	5583	5655	5639			5515		5555
5635	5289	5597	5598	5606	5320	5262	5278			5323		5535
5519	5529	5661	5534	5274	5524	5304	5577			5250		5552
5669	5625	5518	5646	5552	5576	5524	5267			5571		5573
5656	5606	5512	5662	5650	5542	5550						5320
5562	5692	5708	5706	5518	5701	5689						5688

STATISTICAL PERFORMANCE CHECK - WORKING RADIO 96 kHz

XMit 2015.01.14

FCC-Type 6, Trial 3 of 3
All Frequencies in MHz

Trial #27	Trial #28	Trial #29	Trial #30
PASS	PASS	PASS	PASS
5322	5678	5615	5598
5621	5536	5533	5275
5601	5525	5505	5663
5594	5492	5674	5293
5706	5560	5583	5636
5514	5614	5291	5643
5682	5280	5313	5612
5650	5696	5592	5265
5494	5299	5266	5286
5559	5491	5289	5660
5707	5289	5510	5302
5282	5255	5549	5590
5493	5636	5272	5683
5561	5311	5609	5664
5709	5572	5501	5546
5531	5639	5517	5620
5554	5517	5623	5256
5622	5298	5328	5530
5278	5661	5542	5276
5663	5558	5588	5292
5557	5581	5707	5657
5517	5557	5564	5523
5563	5694	5613	5270
5693	5535	5256	5577
5268	5561	5498	5537
5498	5698	5692	5284
5577	5269	5260	5515
5675	5600	5497	5539
5690	5608	5252	5266
5544	5497	5638	5529
5697	5679	5563	5296
5319	5323	5577	5633
5623	5304	5702	5320
5312	5546	5516	5508
5667	5605	5538	5702
5611	5647	5522	5510
5670	5534	5504	5666
5555	5253	5315	5262
5598	5675	5299	5555
5263	5258	5275	5691
5508	5582	5530	5516
5608	5699	5697	5507
5628	5602	5703	5314
5691	5708	5630	5524
5540	5676	5655	5502
5704	5310	5254	5538
5255	5521	5605	5303
5634	5496	5323	5557
5287	5512	5267	5662
5633	5272	5573	5648
5694	5681	5329	5514
5528	5642	5520	5599
5297	5301	5545	5627
5302	5501	5309	5501
5584	5279	5645	
5260	5612	5562	
5541	5573	5300	
5674	5599	5259	
5624	5587	5491	
5283	5283	5304	
5279	5259	5512	
5685	5321		
5556			
5518			
5636			
5616			
5590			
5306			
5539			
5525			
5314			