# **FCC TEST REPORT**

#### For

unitech electronics co., ltd.

### Rugged Handheld Computer

Test Model: EA520

Prepared for unitech electronics co., ltd.

5F, No. 136, Lane 235, Pao-Chiao Rd., Hsin-Tien Dist., New Taipei City, Address

Taiwan

Prepared by Shenzhen LCS Compliance Testing Laboratory Ltd.

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Date of receipt of test sample September 07, 2021

Number of tested samples

Sample No. 210907019A-1, 210907019A-2

Serial number Prototype

Date of Test September 07, 2021 ~ October 18, 2021

Date of Report October 19, 2021

**FCC TEST REPORT** FCC CFR 47 PART 15 E (15.407)

Report Reference No. .....: LCS210907019AEH

Date of Issue.....: October 19, 2021

Testing Laboratory Name.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

101, 201 Bldg A & 301 Bldg C, Juji Industrial Park Yabianxueziwei, Address....::

Shajing Street, Baoan District, Shenzhen, 518000, China

Full application of Harmonised standards

Testing Location/ Procedure.....: Partial application of Harmonised standards

Other standard testing method  $\ \square$ 

Applicant's Name.....: unitech electronics co., ltd.

Address......: 5F, No. 136, Lane 235, Pao-Chiao Rd.,Hsin-Tien Dist., New Taipei

City, Taiwan

**Test Specification** 

Standard..... : FCC CFR 47 PART 15E (15.407)

Test Report Form No.....: LCSEMC-1.0

TRF Originator.....: Shenzhen LCS Compliance Testing Laboratory Ltd.

Master TRF.....: Dated 2011-03

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EUT Description.....: Rugged Handheld Computer

Trade Mark....: unitech

Test Model : EA520

Ratings Input: 5.0V = 2000mA

For Battery 1 (Model: 1400-900062G):

DC 3.8V by Rechargeable Li-ion Battery, 4000mAh

For Battery 2 (Model: 1400-900063G):

DC 3.85V by Rechargeable Li-ion Battery, 4150mAh

Result ..... Positive

Compiled by: Supervised by: Approved by:

Diamond Lu/ Administrators

Diamond by

Jin Wang/ Technique principal

Gavin Liang/ Manager

#### **FCC -- TEST REPORT**

October 19, 2021 LCS210907019AEH Test Report No.: Date of issue

EUT.....: Rugged Handheld Computer Test Model.....: EA520 Applicant..... : unitech electronics co., ltd. 5F, No. 136, Lane 235, Pao-Chiao Rd., Hsin-Tien Dist., New Taipei Address..... City, Taiwan Telephone..... Fax..... Manufacturer..... : unitech electronics co., ltd. 5F, No. 136, Lane 235, Pao-Chiao Rd., Hsin-Tien Dist., New Taipei Address..... City, Taiwan Telephone..... : / Fax..... Factory..... : Shenzhen Xin Kingbrand Enterprises Co., Ltd First and Third Floor of Building B, Building A, NO. 90 Nanpu Road, Address..... Shajing Street, Baoan District, Shenzhen City, China Telephone..... Fax.....

Test Result:	Positive
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The test report merely corresponds to the test sample.

It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

## **Revision History**

Revision	Issue Date	Revisions	Revised By	
000	October 19, 2021	Initial Issue	Gavin Liang	

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#### 1. GENERAL INFORMATION

#### 1.1. Description of Device (EUT)

EUT : Rugged Handheld Computer

Test Model : EA520

Power Supply : Input: 5.0V=2000mA

For Battery 1 (Model: 1400-900062G):

DC 3.8V by Rechargeable Li-ion Battery, 4000mAh

For Battery 2 (Model: 1400-900063G):

DC 3.85V by Rechargeable Li-ion Battery, 4150mAh

Hardware Version : PT3044WBE65-V4.0

Software Version : ELSA EVT V004.0 20210827 user EU 3

Bluetooth :

Frequency Range :  $2402MHz \sim 2480MHz$ 

Chanel Number : 79 channels for Bluetooth V5.0(DSS)

40 channels for Bluetooth V5.0 (DTS)

Chanel Spacing : 1MHz for Bluetooth V5.0 (DSS)

2MHz for Bluetooth V5.0 (DTS)

Modulation Type : GFSK,  $\pi/4$ -DQPSK, 8-DPSK for Bluetooth V5.0(DSS)

GFSK for Bluetooth V5.0 (DTS)

Bluetooth Version : V5.0

Antenna Description : PIFA Antenna, 1.4dBi (max.)

WIFI(2.4G Band)

Frequency Range : 2412MHz ~ 2462MHz

Channel Spacing : 5MHz

Channel Number : 11 Channels for 20MHz bandwidth (2412~2462MHz)

7 Channels for 40MHz bandwidth (2422~2452MHz)

Modulation Type : IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK)

IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK)

IEEE 802.11n: OFDM (64QAM, 16QAM, QPSK, BPSK)

Antenna Description : PIFA Antenna, 1.4dBi (max.)

5G WLAN :

Frequency Range : 5180MHz-5240MHz, 5260-5320MHz, 5500-5700MHz

Channel Number : 4 Channels for 20MHz bandwidth(5180MHz-5240MHz)

4 Channels for 20MHz bandwidth(5260MHz-5320MHz)

11 Channels for 20MHz bandwidth(5500MHz-5700MHz) 2 channels for 40MHz bandwidth(5190MHz~5230MHz)

2 channels for 40MHz bandwidth(5270MHz~5310MHz)

5 Channels for 40MHz bandwidth(5510MHz-5670MHz)

1 channels for 80MHz bandwidth(5210MHz) 1 channels for 80MHz bandwidth(5290MHz)

2 Channels for 80MHz bandwidth(5530MHz-5610MHz)

Modulation Type : IEEE 802.11a/n/ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : PIFA Antenna, 1.4dBi (max.)

5.8G WLAN

Frequency Range : 5745MHz-5825MHz

Channel Number : 5 channels for 20MHz bandwidth(5745MHz-5825MHz)

2 channels for 40MHz bandwidth(5755MHz~5795MHz)

1 channels for 80MHz bandwidth(5775MHz)

Modulation Type : IEEE 802.11a/n/ac: OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK)

Antenna Description : PIFA Antenna, 1.4dBi (max.)

2G

Support Band : Sign 900 (EU-Band) DCS 1800 (EU-Band)

⊠ GSM 850 (U.S.-Band) ⊠ PCS 1900 (U.S.-Band)

Release Version : R99

GPRS Class : Class 12

EGPRS Class : Class 12

Type Of Modulation : GMSK for GSM/GPRS; 8PSK for EGPRS

Antenna Description : PIFA Antenna

0.5dBi (max.) For GSM 850 1.0dBi (max.) For PCS 1900

3G

Support Band : WCDMA Band II (U.S.-Band)

✓ WCDMA Band V (U.S.-Band)

⊠ WCDMA Band IV (U.S.-Band)

☐ WCDMA Band I (EU-Band)

☐ WCDMA Band VIII (EU-Band)

Release Version : R8

Type Of Modulation : WCDMA: QPSK; HSDPA/HSUPA: QPSK

Antenna Description : PIFA Antenna

1.0dBi (max.) For WCDMA Band II 0.5dBi (max.) For WCDMA Band IV 0.5dBi (max.) For WCDMA Band V

LTE

Support Band :  $\boxtimes$  E-UTRA Band 2(U.S.-Band)

 $\boxtimes$  E-UTRA Band 4(U.S.-Band)

⊠ E-UTRA Band 5(U.S.-Band)

 $\boxtimes$  E-UTRA Band 7(U.S.-Band)

⊠E-UTRA Band 12(U.S.-Band)

⋈ E-UTRA Band 13(U.S.-Band)
⋈ E-UTRA Band 14(U.S.-Band)
⋈ E-UTRA Band 17(U.S.-Band)
⋈ E-UTRA Band 38(U.S.-Band)

⊠E-UTRA Band 41(U.S.-Band)

LTE Release Version : R9

Type Of Modulation : QPSK/16QAM

Antenna Description : PIFA Antenna

0.8dBi (max.) For E-UTRA Band 2 0dBi (max.) For E-UTRA Band 4 0.5dBi (max.) For E-UTRA Band 5 0dBi (max.) For E-UTRA Band 7 0dBi (max.) For E-UTRA Band 12 0dBi (max.) For E-UTRA Band 13 0dBi (max.) For E-UTRA Band 14 0dBi (max.) For E-UTRA Band 17 1.0dBi (max.) For E-UTRA Band 38 1.0dBi (max.) For E-UTRA Band 41

Power Class : Class 3

GPS function : Support and only RX

FM function : Support and only RX

NFC :

Operating Frequency : 13.56MHz

Modulation Type : ASK

Antenna Description : PIFA Antenna, 2.0dBi(Max.)

Extreme temp. :  $-30^{\circ}$ C to  $+50^{\circ}$ C

Tolerance

Extreme vol. Limits : 3.2VDC to 4.35VDC (nominal: 3.8VDC)/

3.2VDC to 4.40VDC (nominal: 3.85VDC)

Note: All Battery were tested and we only record the worst case which

model is 1400-900063G



#### 1.2. Host System Configuration List and Details

Manufacturer	Description	Model	Serial Number	Certificate
Shenzhen Xin Kingbrand Enterprises Co., Ltd	SWITCHING POWER SUPPLY	S010CCU0500200	21132102119	FCC SDOC

Note: The adapter is supplied by lab and only use tested.

#### 1.3. External I/O Cable

I/O Port Description	Quantity	Cable
Type-C Port	1	USB Cable: 1.0m, unshielded
Earphone Jack	1	N/A

#### 1.4. Description of Test Facility

NVLAP Accreditation Code is 600167-0.

FCC Designation Number is CN5024.

CAB identifier is CN0071.

CNAS Registration Number is L4595.

Test Firm Registration Number: 254912.

The 3m-Semi anechoic test site fulfils CISPR 16-1-4 according to ANSI C63.4:2014 and CISPR 16-1-4:2010 SVSWR requirement for radiated emission above 1GHz.

#### 1.5. Statement of the Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 - 4 "Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

#### 1.6. Measurement Uncertainty

No.	Item	Uncertainty
1	DFS Threshold (radiated)	±1.50dB
2	DFS Threshold (conducted)	±1.45dB
3	Temperature	±0.5°C
4	Humidity	±2%

(1). This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

#### 1.7. Description of Test Modes

The EUT has been tested under operating condition.

Worst-Case data rates were utilized from preliminary testing of the Chipset, worst-case data rates used during the testing are as follows:

IEEE 802.11a Mode: 6 Mbps, OFDM.

IEEE 802.11ac VHT20 Mode: MCS0

IEEE 802.11n HT20 Mode: MCS0, OFDM.

IEEE 802.11ac VHT40 Mode: MCS0, OFDM.

IEEE 802.11n HT40 Mode: MCS0, OFDM.

IEEE 802.11ac VHT80 Mode: MCS0, OFDM.

#### 1.8. Channel List and Frequency

#### U-NI-1

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
	36	5180	44	5220
E100-E240MU=	38	5190	46	5230
5180~5240MHz	40	5200	48	5240
	42	5210	1	1

For IEEE 802.11a/n HT20/ac VHT20, Channel 36, 40 and 48 were tested.

For IEEE 802.11n HT40/ac VHT40, Channel 38 and 46 were tested.

For IEEE 802.11ac VHT80, Channel 42 was tested.

#### U-NI-2A

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
	52	5260	60	5300
5260~5320MHz	54	5270	62	5310
	56	5280	64	5320
	58	5290	1	1
	58		/	/

For IEEE 802.11a/n HT20/ac VHT20, Channel 52, 56 and 64 were tested.

For IEEE 802.11n HT40/ac VHT40, Channel 54 and 62 were tested.

For IEEE 802.11ac VHT80, Channel 58 was tested.

#### U-NI-2C

Frequency Band	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
	100	5500	118	5590
	102	5510	120	5600
	104	5520	122	5610
	106	5530	124	5620
5500~5700MHz	108	5540	126	5630
3300~3700IVITZ	110	5550	128	5640
	112	5560	132	5660
	114	5570	134	5670
	116	5580	136	5680
			140	5700

For IEEE 802.11a/n HT20/ac VHT20, Channel 100, 116 and 140 were tested.

For IEEE 802.11n HT40/ac VHT40, Channel 102, 110 and 134 were tested.

For IEEE 802.11ac VHT80, Channel 106 and 122 were tested.

### 1.9. Conduted Output Power and EIRP

Mode	Frequency Band (MHz)	Maximum Conducted Output Power (dBm)	Antenna Gain (dBi)	Maximum EIRP (dBm)	Maximum EIRP (mW)
IEEE 802.11a	5260 – 5320	10.01	1.4	11.41	13.84
IEEE 002.11a	5500 – 5700	11.73	1.4	13.13	20.56
IEEE 802.11n	5260 – 5320	9.71	1.4	11.11	12.91
HT20	5500 – 5700	11.99	1.4	13.39	21.83
IEEE 802.11ac	5260 – 5320	9.95	1.4	11.35	13.65
VHT20	5500 – 5700	11.60	1.4	13.00	19.95
IEEE 802.11n	5270 – 5310	9.69	1.4	11.09	12.85
HT40	5510 – 5670	11.83	1.4	13.23	21.04
IEEE 802.11ac	5270 – 5310	10.24	1.4	11.64	14.59
VHT40	5510 – 5670	11.85	1.4	13.25	21.13
IEEE 802.11ac	5290	10.28	1.4	11.68	14.72
VHT80	5530-5610	11.66	1.4	13.06	20.23

#### Remark:

1. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW;

#### 2. TEST METHODOLOGY

This report has been prepared to demonstrate compliance with the requirements for Dynamic Frequency Selection (DFS) as stated in FCC CFR 47 PART 15E(15.407). Testing was performed in accordance with the measurement procedure described in FCC KDB 905462 D02 v02

#### 3. SYSTEM TEST CONFIGURATION

#### 3.1. EUT Exercise Software

The system was configured for testing in a continuous transmits condition and change test channels by software (wl. tool) provided by application.

#### 3.2. Special Accessories

N/A

#### 3.3. Block Diagram/Schematics

Please refer to the related document

#### 3.4. Equipment Modifications

Shenzhen LCS Compliance Testing Laboratory Ltd. has not done any modification on the EUT.

#### 3.5. Test Setup

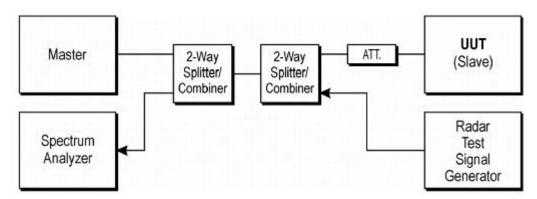


Figure 7-1. Test Setup

#### 3.6. Procedure

The KDB905462 D02 v02 describes a conducted test setup. Each one channel selected between bands 2, band 3 is chosen for the testing.

- 1. The radar pulse generator is setup to provide a pulse at the frequency that the Master and Client are operating. A Type 0 radar pulse with a 1  $\mu$ s pulse width and a 1428  $\mu$ s PRI is used for the testing.
- 2. The vector signal generator is adjusted to provide the radar burst (18 pulses) at a level of approximately -62 dBm at the antenna of the Master device.
- 3. The Client Device (EUT) is set up per the diagram in Figure 3-1 and communications between the Master device and the Client is established.
- 4.The MPEG file specified by the FCC ("6½ Magic Hours") is streamed from the "file computer" through the Master to the Slave Device and played in full motion video using Media Player Classic Ver.6.4.8.6 in order to properly load the network.
- 5. The spectrum analyzer is set to record about 15 sec window to any transmissions occurring up to and



after 10 sec.

6. The system is again setup and the monitoring time is shortened in order to capture the Channel Closing Transmission Time. This time is measured to insure that the Client ceases transmission within 200 ms and the aggregate of emissions occurring after 200 ms up to 10 sec do not exceed 60

(Note: the channel may be different since the Master and Client have changed channels due to the detection of the initial radar pulse.)

7. After the initial radar burst the channel is monitored for 30 minutes to insure no transmissions or beacons occur. A second monitoring setup is used to verify that the Master and Client have both moved to different channels.

### 4. SUMMARY OF TEST RESULTS

Applied Standard: FCC CFR 47 PART 15.407				
	Operational Mode			
Requirement	Master	Client with radar detection	Client without radar detection	RESULTS
Non-Occupancy Period	Required	Required	Not required	Not required
DFS Detection Threshold	Required	Not required	Not required	Not required
Channel Availability Check Time	Required	Not required	Not required	Not required
Channel Closing Transmission Time	Required	Required	Required	Pass
Channel Move Time	Required	Required	Required	Pass
U-NII Detection Bandwidth	Required	Not required	Not required	Not required

#### 5. DESCRIPTION OF DYNAMIC FREQUENCY SELECTION TEST

#### 5.1. Requirements

KDB905462 D02 v02 (04/08/2016) the following are the requirements for Client Devices:

- 1) A Client Device will not transmit before having received appropriate control signals from a Master Device.
- 2) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements.

The Client Device will not resume any transmissions until it has again received control signals from a Master Device.

- 3) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1(KDB905462 D02 v02) apply.
- 4) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.

#### 5.2. Limit

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an Aggregate of 60 milliseconds over Remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100 % of the U-NII 99 % transmission power bandwidth. See Note 3.

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

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

#### 6. DFS DETECTION THRESHOLD VALUES

The DFS detection thresholds are defined for Master devices and Client Devices with In-service monitoring. These detection thresholds are listed in the following table.

Maximum Transmit Power	Value (See Notes 1 and 2)
EIRP≥ 200 milliwatt	-64 dBm
EIRP< 200 milliwatt and Power pectral < 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.

#### Carlibration:

The EUT is slave equipment with a max gain is 1.4dBi;

For a detection threshold level of -62dBm and the master (Brand: Sanmsung), Model: S2LF812265, FCC ID: A3LWEA453E) antenna gain is 0 dBi, required detetion threshold is -62.00 dBm (=-62+0)

Maximum transmit power is less than 200 milliwatt in this report, so detection threshold level is -62dBm.

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

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

#### 7. DFS TEST SIGNALS

Radar

Type

5

50-100

5-20

1000-

2000

As the EUT is a Client Device with no Radar Detection only one type radar pulse is required for the testing. Radar Pulse type 0 was used in the evaluation of the Client device for the purpose of measuring the Channel Move Time and the Channel Closing Transmission Time.

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	Roundup $ \left\{ \frac{1}{360} \right\}. $ $ \left\{ \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\} $	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
ggregate	(Radar Types 1-	4)		80%	120

Table 5 – Short Pulse Radar Test Waveforms

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

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

		`	,			
Pulse Width	Chirp Width	PRI (usec)	Number of Pulses	Number of Bursts	Minimum Percentage of	Minimum Number of
(µsec)	(MHz)	W. 8	per Burst		Successful	Trials

8-20

Detection

80%

30

Table 6 - Long Pulse Radar Test Waveform

1-3

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

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

Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)		
1	1930.5	518		
2	1858.7	538		
3	1792.1	558		
4	1730.1	578		
5	1672.2	598		
6	1618.1	618		
7	1567.4	638		
8	1519.8	658		
9	1474.9	678		
10	1432.7	698		
11	1392.8	718		
12	1355	738		
13	1319.3	758		
14	1285.3	778		
15	1253.1	798		
16	1222.5	818		
17	1193.3	838		
18	1165.6	858		
19	1139	878		
20	1113.6	898		
21	1089.3	918		
22	1066.1	938		
23	326.2	3066		

#### Manufacturer's Statement Regarding Uniform Channel Spreading

The end product implements an automatic channel selection feature at startup such that operation commences on channels distributed across the entire set of allowed 5GHz channels. This feature will ensure uniform spreading is achieved while avoiding non-allowed channels due to prior radar events.

#### **TEST AND MEASUREMENT SYSTEM**

#### **System Overview**

The measurement system is based on a conducted test method.

The short pulse and long pulse signal generating system utilizes the NTIA software and the same manufacturer / model Vector Signal Generator as the NTIA. The hopping signal generating system utilizes the simulated hopping method.

The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution. The short pulse types 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time. The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List, with the initial starting point randomized at run-time.



The signal monitoring equipment consists of a spectrum analyzer with the capacity to display 8192 bins on the horizontal axis. A time-domain resolution of 2 msec / bin is achievable with a 16 second sweep time, meeting the 10 second short pulse reporting criteria. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold. A time-domain resolution of 3 msec / bin is achievable with a 24 second sweep time, meeting the 22 second long pulse reporting criteria and allowing a minimum of 10 seconds after the end of the long pulse waveform.

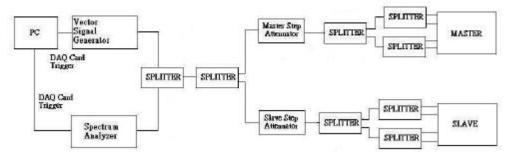
#### **Frequency Hopping Signal Generation**

The hopping burst generator is a High Speed Digital I/O card plugged into the control computer. This card utilizes an independent hardware clock reference therefore the output pulse timing is unaffected by host computer operating system latency times.

The software selects the hopping sequence as a 100-length segment of the August 2005 NTIA hopping frequency list. This list contains 274 unique pseudorandom sequences. Each such sequence contains 475 frequencies ordered on a random without replacement basis. Each successive trial uses a contiguous 100length segment from within each successive 475-length sequence in the list. The initial starting point within the list is randomized at run-time such that the first 100-length segment is entirely contained within the first 475-length sequence. The starting point of each successive trial is incremented by 475.

Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of FCC 06-96 APPENDIX. The frequency of the signal generator is incremented in 1 MHz steps from FL to FH for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

#### Conducted Method System Block Diagram



#### **Measurement System Frequency Reference**

Lock the signal generator and the spectrum analyzer to the same reference source as follows: Connect the 10 MHz OUT (SWITCHED) on the spectrum analyzer to the 10 MHz IN on the signal generator and set the spectrum analyzer 10 MHz Out to On.

#### **System Calibration**

Connect the spectrum analyzer to the test system in place of the master device. Set the signal generator to CW mode. Adjust the amplitude of the signal generator to yield a measured level of -62 dBm on the spectrum analyzer.

Without changing any of the instrument settings, reconnect the spectrum analyzer to the Common port of the Spectrum Analyzer Combiner/Divider and connect a 50 ohm load to the Master Device port of the test system. Measure the amplitude and calculate the difference from -62 dBm. Adjust the Reference Level Offset of the spectrum analyzer to this difference. Confirm that the signal is displayed at -62 dBm. Readjust the RBW and VBW to 3 MHz, set the span to 10 MHz, and confirm that the signal is still displayed at -62 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of -62 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

Set the signal generator to produce a radar waveform, trigger a burst manually and measure the level on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.

#### **Interference Detection Threshold Adjustment**

Download the applicable radar waveforms to the signal generator. Select the radar waveform, trigger a burst manually and measure the amplitude on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired

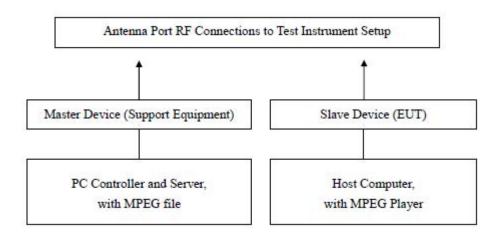
interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.

#### Adjustment Of Displayed Traffic Level

Establish a link between the Master and Slave, adjusting the Link Step Attenuator as needed to provide a suitable received level at the Master and Slave devices. Stream the video test file to generate WLAN traffic. Confirm that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold. Confirm that the displayed traffic is from the Master Device. For Master Device testing confirm that the displayed traffic does not include Slave Device traffic. For Slave Device testing confirm that the displayed traffic does not include Master Device traffic.

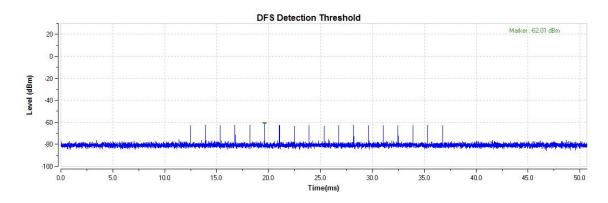
If a different setting of the Master Step Attenuator is required to meet the above conditions, perform a new System Calibration for the new Master Step Attenuator setting.

#### **Test Setup**

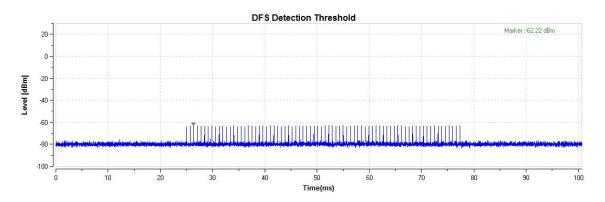


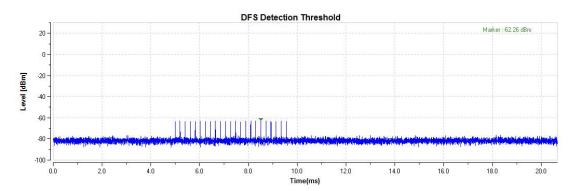
#### 8. TEST RESULT

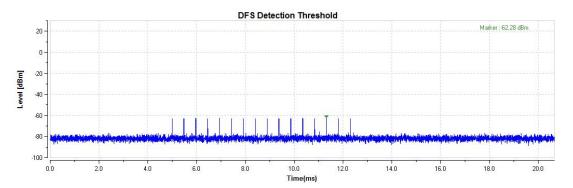
#### PLOTS OF RADAR WAVEFORMS



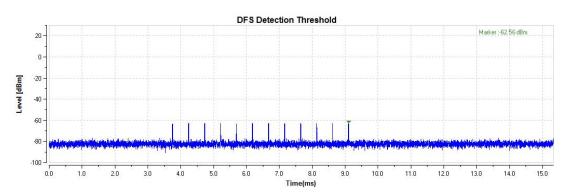
Radar Singal 0

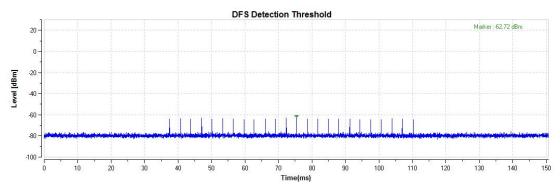


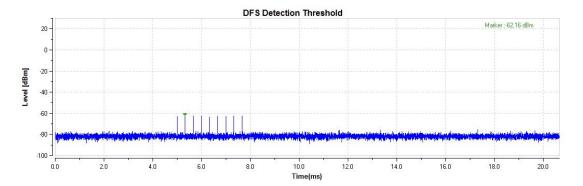




Radar Singal 3







Radar Singal 6

Trial ID	Dodor Type	Pulse Width	DDI (ua)	Number of	Waveform Legth
Trial ID	Radar Type	(us)	PRI (us)	Pulses	(us)
0	Type 0	1	1428	18	25704
1	Type 0	1	1428	18	25704
2	Type 0	1	1428	18	25704
3	Type 0	1	1428	18	25704
4	Type 0	1	1428	18	25704
5	Type 0	1	1428	18	25704
6	Type 0	1	1428	18	25704
7	Type 0	1	1428	18	25704
8	Type 0	1	1428	18	25704
9	Type 0	1	1428	18	25704
10	Type 0	1	1428	18	25704
11	Type 0	1	1428	18	25704
12	Type 0	1	1428	18	25704
13	Type 0	1	1428	18	25704
14	Type 0	1	1428	18	25704
15	Type 0	1	1428	18	25704
16	Type 0	1	1428	18	25704
17	Type 0	1	1428	18	25704
18	Type 0	1	1428	18	25704
19	Type 0	1	1428	18	25704
20	Type 0	1	1428	18	25704
21	Type 0	1	1428	18	25704
22	Type 0	1	1428	18	25704
23	Type 0	1	1428	18	25704
24	Type 0	1	1428	18	25704
25	Type 0	1	1428	18	25704
26	Type 0	1	1428	18	25704
27	Type 0	1	1428	18	25704
28	Type 0	1	1428	18	25704
29	Type 0	1	1428	18	25704



radar omgar r								
Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Legth (us)	Pulse Repection Frequency (Pulses Per Second)	Pulse Repection Interval (Microseconds)	
0	Type A	1	938	57	53466	1066.1	938	
1	Type A	1	698	76	53048	1432.7	698	
2	Type A	1	618	86	53148	1618.1	618	
3	Type A	1	538	99	53262	1858.7	538	
4	Type A	1	878	61	53558	1139	878	
5	Type A	1	3066	18	55188	326.2	326.2	
6	Type A	1	638	83	52954	1567.4	1567.4	
7	Type A	1	918	58	53244	1089.3	1089.3	
8	Type A	1	838	63	52794	1193.3	1193.3	
9	Type A	1	858	62	53196	1165.6	1165.6	
10	Type A	1	798	67	53466	1253.1	1253.1	
11	Type A	1	718	74	53132	1392.8	1392.8	
12	Type A	1	578	92	53176	1730.1	1730.1	
13	Type A	1	598	89	53222	1672.2	1672.2	
14	Type A	1	558	95	53010	1792.1	1792.1	
15	Type B	1	2536	21	53256			
16	Type B	1	966	55	53130			
17	Туре В	1	827	64	52928			
18	Туре В	1	2501	22	55022			
19	Type B	1	2595	21	54495			
20	Туре В	1	1114	48	53472			
21	Туре В	1	1302	41	53382			
22	Туре В	1	3045	18	54810			
23	Туре В	1	1624	33	53592			
24	Туре В	1	2878	19	54682			
25	Туре В	1	1027	52	53404			
26	Type B	1	2485	22	54670			
27	Туре В	1	1600	33	52800			
28	Туре В	1	1172	46	53912			
29	Type B	1	1177	45	52965			

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Trial ID	Radar Type	Pulse Width	PRI (us)	Number of	Waveform Legth			
marib	radai Type	(us)	1 1X1 (u3)	Pulses	(us)			
0	Type 2	3.2	179	26	4654			
1	Type 2	1.1	207	23	4761			
2	Type 2	2.1	230	24	5520			
3	Type 2	4.8	200	29	5800			
4	Type 2	3.9	214	28	5992			
5	Type 2	2.9	222	26	5772			
6	Type 2	3.2	204	26	5304			
7	Type 2	2.5	192	25	4800			
8	Type 2	3.1	164	26	4264			
9	Type 2	1.2	156	23	3588			
10	Type 2	3.9	210	27	5670			
11	Type 2	4.6	201	29	5829			
12	Type 2	3.2	162	26	4212			
13	Type 2	2.2	197	25	4925			
14	Type 2	4.5	163	29	4727			
15	Type 2	3	203	26	5278			
16	Type 2	5	168	29	4872			
17	Type 2	2.4	217	25	5425			
18	Type 2	2.9	191	26	4966			
19	Type 2	2.3	166	25	4150			
20	Type 2	3.7	150	27	4050			
21	Type 2	2.2	176	25	4400			
22	Type 2	4.9	195	29	5655			
23	Type 2	2.9	202	26	5252			
24	Type 2	2.5	178	25	4450			
25	Type 2	1.1	206	23	4738			
26	Type 2	3.8	155	27	4185			
27	Type 2	4.8	157	29	4553			
28	Type 2	2.4	224	25	5600			
29	Type 2	4.2	159	28	4452			

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Trial ID	Radar Type	Pulse Width PRI (us)	PRI (us)	Number of	Waveform Legth			
Mailb	Radai Type	(us)	FNI (us)	Pulses	(us)			
0	Type 3	8.2	355	17	6035			
1	Type 3	6.1	487	16	7792			
2	Type 3	7.1	344	16	5504			
3	Type 3	9.8	288	18	5184			
4	Type 3	8.9	230	18	4140			
5	Type 3	7.9	432	17	7344			
6	Type 3	8.2	207	17	3519			
7	Type 3	7.5	443	17	7531			
8	Type 3	8.1	439	17	7463			
9	Type 3	6.2	223	16	3568			
10	Type 3	8.9	208	18	3744			
11	Type 3	9.6	463	18	8334			
12	Type 3	8.2	441	17	7497			
13	Type 3	7.2	323	16	5168			
14	Type 3	9.5	297	18	5346			
15	Type 3	8	412	17	7004			
16	Type 3	10	324	18	5832			
17	Type 3	7.4	271	17	4607			
18	Type 3	7.9	349	17	5933			
19	Type 3	7.3	409	16	6544			
20	Type 3	8.7	373	18	6714			
21	Type 3	7.2	254	16	4064			
22	Type 3	9.9	274	18	5932			
23	Type 3	7.9	278	17	4726			
24	Type 3	7.5	317	17	5389			
25	Type 3	6.1	260	16	4160			
26	Type 3	8.8	211	18	3798			
27	Type 3	9.7	272	18	4896			
28	Type 3	7.4	264	17	4488			
29	Type 3	9.2	284	18	5112			

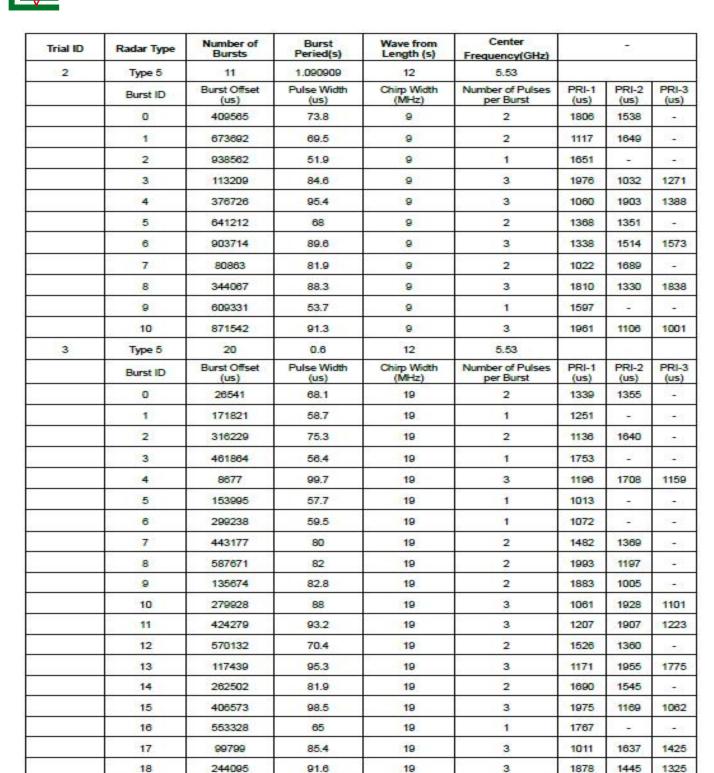
TAUD	D. J. T.	Pulse Width	DDI ( -)	Number of	Waveform Legth
Trial ID	Radar Type	(us)	PRI (us)	Pulses	(us)
0	Type 4	16	355	14	4970
1	Type 4	11.3	487	12	5844
2	Type 4	13.5	344	13	4472
3	Type 4	19.4	288	16	4608
4	Type 4	17.5	230	15	3450
5	Type 4	15.3	432	14	6048
6	Type 4	15.9	207	14	2898
7	Type 4	14.3	443	13	5759
8	Type 4	15.8	439	14	6145
9	Type 4	11.5	223	112	2676
10	Type 4	17.4	208	15	3120
11	Type 4	19	463	16	7408
12	Type 4	16	441	14	6174
13	Type 4	13.8	323	13	4199
14	Type 4	18.9	297	16	4752
15	Type 4	15.5	412	14	5768
16	Type 4	19.9	324	16	5184
17	Type 4	14.1	271	13	3523
18	Type 4	15.2	349	14	4886
19	Type 4	13.8	409	31	5317
20	Type 4	17.1	373	151	5595
21	Type 4	13.8	254	13	3302
22	Type 4	19.8	274	16	4384
23	Type 4	15.3	278	14	3892
24	Type 4	14.5	317	13	4121
25	Type 4	11.3	260	12	3120
26	Type 4	17.3	211	15	3165
27	Type 4	19.2	272	16	4352
28	Type 4	14.2	264	13	3432
29	Type 4	18.2	284	15	4260

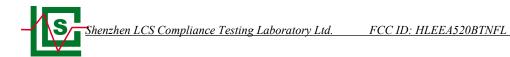
### Radar Singal 5\_5530MHz

Trial ID Radar Type		Trial ID	ID Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		\$2	
0	Type 5	15	0.8	12	5.53		94			
	Burst ID	Pulse Width (us)	PRI (us)	Chirp Width(MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3		
	0	636185	77.8	13	2	1665	1477	-8		
	1	32674	51.9	13	1	1074	141	<u> </u>		
	2	226294	63.8	13	1	1584	300			
	3	417976	96.6	13	3	1682	1786	1843		
	4	611152	85.9	13	3	1795	1215	1729		
	5	8789	73.7	13	2	1198	1549	- 50		
	6	201917	77.2	13	2	1837	1819	- 54		
	7	395530	68.4	13	2	1587	1114	<b>1</b>		
	8	588564	76.7	13	2	2000	1155			
	9	783794	53.2	13	1	1147	820			
	10	177933	85.7	13	3	1433	1695	1394		
	11	370624	94.3	13	3	1670	1426	1935		
	12	564893	77.6	13	2	1294	1671	23		
	13	759583	65.7	13	1	1512	1940	<b>F</b>		
	14	154262	93.5	13	3	1444	1130	1468		
1	Type 5	8	1.5	12	5.53			į.		
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)		
	0	653020	75	5	2	1880	1527	-3		
	1	1015643	99.4	5	3	1401	1262	1257		
	2	1379398	67.4	5	2	1531	1403	្ទ		
	3	245489	73.6	5	2	1449	1041			
	4	609113	65.9	5	1	1432	320	- 24		
	5	970852	83.8	5	3	1356	1292	1419		
	6	1335913	65.5	5	1	1543	3+33			
	7	200406	98.6	5	3	1548	1796	1728		

91.6

67.3





Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		2	
4	Type 5	17	0.705882	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	629614	67.9	16	2	1320	1133	1
	1	96856	62.3	16	1	1957	. 12	-
	2	267719	53.3	16	1	1592	8	858
	3	436784	90	16	3	1900	1153	1346
	4	608289	77.1	16	2	1166	1646	-
	5	75610	83.9	16	3	1278	1232	1459
	6	245638	89.1	16	3	1240	1384	1939
	7	416355	81.8	16	2	1833	1676	100
	8	588736	50.3	16	1	1075	3	253
	9	54571	87.1	16	3	1116	1996	1756
	10	225175	71.3	16	2	1225	1815	
	11	394825	97.5	16	3	1884	1465	1132
	12	565361	90.6	16	3	1561	1040	1354
	13	33643	86.3	16	3	1596	1183	1792
	14	203957	97.6	16	3	1385	1073	1361
	15	373812	84.7	16	3	1021	1718	1854
	16	544060	99.7	16	3	1150	1244	1988

5	Type 5	14	0.857143	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	15438	92.9	12	3	1085	1564	1407
	1	222488	67.7	12	2	1744	1747	1.50
	2	430731	65.8	12	1	1092	3 G2 (8)	-20
	3	637784	56.3	12	1	1851	84	
	4	845342	53.7	12	1	1727	2	1.50
	5	196720	83.5	12	3	1679	1930	1025
	6	404955	65.8	12	1	1519	35	•
	7	610711	85.9	12	3	1134	1034	1808
	8	818057	76.3	12	2	1606	1926	-0
	9	171459	81.5	12	2	1891	1714	1 -
	10	377969	89.4	12	3	1310	1594	1827
	11	586875	63.4	12	1	1568		*
	12	792834	69.6	12	2	1307	1925	- 2
	13	146044	74.5	12	2	1264	1846	-



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		5	
6	Type 5	15	0.8	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	329022	96.6	13	3	1182	1609	1581
	1	521718	96.7	13	3	1829	1799	1154
	2	714222	86.5	13	3	1923	1396	1868
	3	112450	73.3	13	2	1908	1318	757
	4	306283	55.8	13	1	1688	9	()=
	5	500239	55.4	13	1	1145	8	(12)
	6	690932	85.3	13	3	1336	1504	1820
	7	88645	79.4	13	2	1344	1893	800
	8	282508	65.7	13	1	1476		853
	9	475842	68.6	13	2	1008	1028	82
	10	667887	77.7	13	2	1972	1835	100
	11	64845	79.6	13	2	1882	1331	853
	12	257755	94.9	13	3	1830	1070	1340
	13	452335	61.4	13	1	1451		3(-3)
	14	643395	90.6	13	3	1233	1562	1887
7	Type 5	12	31	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	51446	52.6	10	1	1210	5	(1.5
	1	292696	84.1	10	3	1314	1725	1529
	2	533989	97.7	10	3	1139	1868	1808
	3	775564	97.3	10	3	1341	1446	1758
	4	21542	98.8	10	3	1544	1386	1300
	5	263385	72.2	10	2	1771	1184	
	6	505581	67.6	10	2	1175	1027	878
	7	747058	75.7	10	2	1026	1871	82
	8	989976	60.9	10	1	1798	15	
	9	234024	64.2	10	1	1138	-3	253
	10	475207	78,8	10	2	1784	1604	100
	11	715825	87.5	10	3	1511	1712	168

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		2	
8	Type 5	14	0.857143	12	5.53			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	823112	54.1	13	1	1415	-	25
	1	174965	50.7	13	1	1221	. :4	. e
	2	382216	52.3	13	1	1974	35	- 28
	3	587395	99.8	13	3	1558	1696	1949
	4	796897	68.4	13	2	1014	1099	- 63
	5	149042	80.8	13	2	1736	1505	28
	6	356750	62.5	13	1	1778	134	28
	7	563824	74.8	13	2	1149	1204	- 52
	8	772314	50.8	13	1	1049	20	S 28
	9	123796	54	13	1	1417		
	10	331215	63	13	1	1730	35	. •3
	11	537402	91.8	13	3	1143	1270	1347
	12	744805	79.3	13	2	1274	1992	6
	13	98172	64.3	13	1	1937	- 15th	. 39
9	Type 5	8	1.5	12	5.53			50
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	535615	63.4	6	1	1043		. 0
	1	898688	52	6	1	1863	- 50	38
	2	1259235	97.2	6	3	1973	1605	1583
	3	127106	78.7	6	2	1466	1743	. €:
	4	490358	74.2	6	2	1280	1219	38
	5	852409	88.7	6	3	1293	1934	1273
	6	1217152	54.3	6	1	1991	25	-50
	7	82296	95.4	6	3	1580	1555	1791



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)			
10	Type 5	17	0.705882	12	5.4979			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	209249	73.7	16	2	1208	1497	2
	1	378386	97.4	16	3	1942	1754	1613
	2	548411	91.7	16	3	1999	1702	1462
	3	17733	66.2	16	1	1393	62%	2
	4	187952	70.8	16	2	1968	1821	-8
	5	359277	52.3	16	1	1740	353	25
	6	528886	78.9	16	2	1308	1984	20
	7	700166	70.9	16	2	1050	1358	*:
	8	167197	75.6	16	2	1437	1430	3
	9	338262	59.1	16	81	1697	(40)	28
	10	508324	77	16	2	1397	1304	- 83
	11	678689	67.9	16	2	1803	1083	23
	12	146031	81.2	16	2	1720	1932	
	13	316923	78.7	16	2	1247	1121	8
	14	488056	63.3	16	1	1634	123	្ទ
	15	657326	68.9	16	2	1849	1423	==
	16	125509	59.3	16	1	1093	323	29

11	Type 5	19	0.631579	12	5.4991			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	263736	98.9	19	3	1381	1680	1488
	1	416459	82.3	19	2	1716	1855	858
	2	567902	86.7	19	3	1211	1400	1919
	3	92979	89.7	19	3	1861	1068	1282
	4	245155	98.6	19	3	1507	1194	1461
	5	397609	71.1	19	2	1921	1789	820
	6	551431	55.9	19	1	1947		3(-3)
	7	74413	67.9	19	2	1350	1372	878
	8	226559	84.4	19	3	1203	1107	1443
	9	380056	58.8	19	1	1715	8	(175)
	10	533408	65.6	19	1	1017	2	Val
	11	55547	78.5	19	2	1911	1704	100
	12	207876	82.3	19	2	1845	1686	823
	13	359771	90.1	19	3	1938	1071	1266
	14	511297	90.2	19	3	1989	1089	1950
	15	36803	83.1	19	2	1943	1406	82
	16	189652	58.8	19	1	1742	.e.	100
	17	341809	77	19	2	1187	1657	
	18	495737	55	19	1	1012	- 1	86-3

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	20 20	23	
12	Type 5	15	0.8	12	5.4967			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	22911	58.1	13	1	1929	-	
	1	216473	52.1	13	1	1910	-	
	2	410004	59.9	13	1	1971		(17)
	3	603671	60.2	13	1	1812	-	1941
	4	794160	95.9	13	3	1399	1906	1608
	5	192251	79.9	13	2	1626	1859	8.50
	6	385590	78.5	13	2	1238	1917	6256
	7	579862	53.8	13	1	1763	-	19-31
	8	773423	64.7	13	1	1800		330
	9	168898	61.4	13	1	1390		6256
	10	381606	83.2	13	2	1692	1858	858
	11	553866	84.7	13	3	1533	1677	1638
	12	747241	88.7	13	3	1703	1528	1058
	13	144710	78.3	13	2	1258	1951	878
	14	337856	69.3	13	2	1731	1717	( <u>\$</u> )
13	Type 5	12	1	12	5.4955	111		
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	664275	75.3	10	2	1994	1612	( <b>1</b>
	1	907886	56.3	10	1	1456		19413
	2	151316	67.7	10	2	1617	1185	
	3	393746	55.6	10	1	1337		0.533
	4	635093	75.2	10	2	1421	1267	1921)
	5	876993	76.3	10	2	1359	1305	
	6	121278	85.7	10	3	1547	1362	1924
	7	362696	98.4	10	3	1873	1550	1249
	8	604342 86	86.4	10	3	1779	1439	1046
	9	846453	93.6	10	3	1059	1031	1452
	10	91871	63.3	10	1	1328	-	(***)
	11	333050	92.4	10	3	1412	1673	1322

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	ve	( <u></u> .)	
14	Type 5	19	0.631579	12	5.4987			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	361323	93.3	18	3	1983	1912	1535
	1	515261	69.1	18	2	1102	1794	- 2
	2	39025	86.9	18	3	1044	1152	1148
9	3	190900	84.9	18	3	1894	1948	1118
	4	343941	72.3	18	2	1094	1916	
	5	497624	51.7	18	1	1447	(53)	
	6	20319	58.3	18	1	1429	ings:	. 10
	7	172999	60.8	18	S <b>1</b> 8	1979	0.40	- 12
	8	325872	57.1	18	1	1641	(3.5)	
	9	475841	88.9	18	3	1886	1964	1489
	10	1489	72	18	2	1909	1297	~
	11	153647	90.9	18	3	1261	1566	1370
Ů	12	307096	59.8	18	1	1552	rasi	, S
	13	458804	70	18	2	1759	1291	~
	14	610798	67.2	18	2	1625	1881	- 15
	15	134759	91.2	18	3	1382	1832	1661
	16	288306	56.5	18	1	1483		. 35
	17	441296	51.2	18	1	1237	1.22	- 43
	18	592780	74.1	18	2	1471	1245	- 12

15	Type 5	14	0.857143	12	5.4963			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	158286	76.9	12	2	1110	1140	-60
	1	366024	50.2	12	1	1316	27	. 55
	2	573452	62.9	12	1	1520	1 12	S 29
	3	780619	64.7	12	1	1902	9-	-
	4	132455	83.8	12	3	1410	1097	1621
	5	340207	65.4	12	1	1944	32	S 22
	6	548208	53.2	12	1	1024	(2)	
	7	755333	51.7	12	1	1603	27	55
	8	107117	78.7	12	2	1804	1168	22
	9	314500	72.4	12	2	1030	1343	- 60
	10	522447	53.8	12	1	1327	1 22	
	11	728517	73.6	12	2	1524	1553	88
	12	81611	66.7	12	2	1722	1122	58
	13	288948	82.5	12	2	1404	1019	- 20

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		923	
16	Type 5	20	0.6	12	5.4995			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	345766	87.6	20	3	1565	1055	1840
	1	490019	85.2	20	3	1735	1541	1408
	2	39073	84.8	20	3	1534	1889	1463
	3	183923	77.9	20	2	1749	1460	- 5
× ×	4	328777	76.5	20	2	1518	1485	
	5	474728	60.9	20	1	1540	23753	-
	6	21394	83	20	2	1080	1010	
	7	165992	80.4	20	2	1824	1752	-
	8	310973	67.5	20	2	1764	1181	
	9	456884	62.1	20	1	1495	949	
	10	3515	86.4	20	3	1773	1966	1263
	11	147928	84.3	20	3	1593	1188	1788
	12	293225	76.9	20	2	1226	1537	2
	13	436922	95.8	20	3	1192	1298	1844
	14	584015	55.2	20	1	1644	853	55
	15	130832	59	20	1	1402	848	
	16	274684	94.5	20	3	1296	1700	1283
	17	418579	91.9	20	3	1970	1978	1165
	18	563464	85.2	20	3	1732	1551	1189
	19	112787	69.5	20	2	1038	1224	-

17	Type 5	12	1	12	5.4955			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	429224	86.4	10	3	1259	1918	1455
	1	670241	92.2	10	3	1598	1719	1895
	2	912880	80.4	10	2	1816	1899	95
	3	158603	54.3	10	1	1335	23	192
	4	400824	53.1	10	1	1303	#3	185
	5	641915	69.4	10	2	1503	1546	12
	6	883823	69.1	10	2	1279	1639	92.
	7	128373	100	10	3	1375	1438	1595
	8	370379	79.6	10	2	1239	1705	2
	9	611194	88.4	10	3	1374	1579	1623
	10	855665	53.3	10	1	1016	33	95
	11	98897	65.3	10	1	1709	28	192

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	160	-23	
18	Type 5	14	0.857143	12	5.4963			
22-14	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	292143	55.3	12	1	1920	-	7.
	1	499633	58.3	12	1	1797	12	20
	2	706377	72.3	12	2	1610	1039	-
	3	58989	84.8	12	3	1131	1761	172
	4	266161	82.5	12	2	1875	1431	25
	5	474469	63.3	12	1	1095	-	
	6	680544	80	12	2	1119	1913	20
	7	33519	90.3	12	3	1660	1853	1123
	8	240319	91.1	12	3	1539	1783	1172
	9	447400	96.6	12	3	1525	1036	1385
	10	654516	82.7	12	2	1710	1990	8
	11	8083	50.7	12	1	1234	-	, #S
	12	215435	78.4	12	2	1047	1109	20
	13	421325	99.5	12	3	1299	1965	1869
19	Type 5	12	1	12	5.4955			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	733725	88.6	10	3	1501	1067	1927
	1	977882	57.4	10	1	1723	is .	7.
	2	221197	96.6	10	3	1086	1658	1324
	3	462915	69.7	10	2	1751	1945	
	4	705071	77.9	10	2	1642	1317	28
	5	947923	62	10	1	1866	2	25
	6	191373	88.4	10	3	1997	1077	1386
	7	432561	97.3	10	3	1790	1896	1387
	8	674004	96.2	10	3	1391	1787	1672
	9	915842	95.4	10	3	1020	1892	1414
	10	162176	54.8	10	1	1084	2	25
	11	403553	80.4	10	2	1850	1436	50

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		(-)	
20	Type 5	16	0.75	12	5.5625	8	2	91
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	483470	74.7	15	2	1619	1611	-
	1	666072	57.1	15	1	1560	33 <del>-</del> 33	-
	2	98810	91.9	15	3	1392	1475	1276
	3	279914	83.1	15	2	1809	1772	-
	4	462536	50.7	15	1	1003	853	(
	5	642324	79.2	15	2	1574	1600	į s
	6	76831	58.7	15	-1	1186	8-8	-
	7	257785	71	15	2	1521	1567	5
	8	438554	79	15	2	1777	1960	] 12
	9	620397	68.5	15	2	1284	1428	-
	10	54310	73.5	15	2	1904	1352	5
	11	235506	70.5	15	2	1864	1115	121
	12	417036	76.6	15	2	1045	1300	-
	13	597974	81.2	15	2	1160	1675	
	14	32086	61.8	15	<b>1</b>	1277	828	-
	15	212751	94.9	15	3	1450	1206	1860
21	Type 5	12	1	12	5.5649			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	526149	78.5	9	2	1653	1698	-
	1	767135	89.8	9	3	1174	1962	1167
	2	12955	59.4	9	1	1982	929	j w
	3	254612	79.6	9	2	1633	1890	-
	4	496588	76	9	2	1112	1811	150
	5	739728	53.6	9	1	1144	923	2
	6	980872	80.9	9	2	1220	1053	-
	7	225249	61.6	9	1	1724	853	100
	8	487279	53.4	9	- 1	1901	828	-
	9	709720	59.9	9	1	1379	25.5	-
	10	951847	60.4	9	1	1453	958	į s
	11	194839	91.4	9	3	1768	1726	1227



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		17291	
22	Type 5	20	0.6	12	5.5605			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	261858	77	20	2	1191	1363	87
	1	407646	58.1	20	1	1248	-	941
	2	552319	62.1	20	1	1836	- 51	374
	3	99107	76.9	20	2	1334	1236	87
	4	243514	80	20	2	1914	1852	941
	5	389464	52	20	1	1701	-81	5-5
	6	531093	88.6	20	3	1693	1995	1908
	7	81159	72.9	20	2	1922	1387	322
	8	225245	98.5	20	3	1839	1746	1389
	9	371906	57.9	20	1	1193	33	157
	10	514197	95.9	20	3	1659	1870	1066
	11	63561	53.5	20	1	1162		89
	12	207510	92	20	3	1745	1654	1458
	13	353638	57.3	20	1	1834		12
	14	497515	70.5	20	2	1684	1586	
	15	45553	70	20	2	1042	1664	80
	16	189821	84	20	3	1765	1630	1176
	17	335330	76.1	20	2	1557	1057	
	18	478825	93.2	20	3	1985	1018	1340
	19	27594	96.8	20	3	1760	1614	1817



23	Type 5	14	0.857143	12	5.5837			Ŭ.,
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	247117	50.1	12	1	1841	:*:	-
	1	453362	93.5	12	3	1590	1081	1413
	2	660875	68.8	12	2	1707	1577	- 2
	3	14140	56.3	12	1	1056	***	*
	4	220734	86	12	3	1953	1108	1987
	5	428367	75.2	12	2	1572	1536	- 2
	6	636681	54.4	12	1	1517	253	- 53
	7	843157	71.1	12	2	1329	1243	25
	8	195585	76.2	12	2	1940	1770	- 50
	9	403231	80.2	12	2	1098	1209	) Si
	10	610202	79.7	12	2	1588	1214	1 20
	11	815229	90.9	12	3	1615	1862	1601
	12	170267	68.7	12	2	1377	1441	Í
	13	377306	67.4	12	2	1872	1313	- 5

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	500 500	220	
24	Type 5	13	0.923077	12	5.5641			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	628071	94	11	3	1643	1748	1941
	1	853391	70.8	11	2	1177	1201	. 19
	2	156223	56.3	11	1	1006	1 58	
	3	378734	96.7	11	3	1230	1163	1332
	4	601331	90.6	11	3	1217	1582	1498
	5	825462	74.5	11	2	1569	1281	- 35
3	6	128265	92.6	11	3	1065	1669	1222
	7	351161	89	11	3	1493	1135	1380
	8	573425	96.5	11	3	1607	1822	1602
	9	798431	70.5	11	2	1141	1178	12
	10	100737	94	11	3	1009	1629	1956
	11	324661	55.8	11	1	1290	1.50	12
	12	546278	87.7	11	3	1435	1983	1164
25	Type 5	8	1.5	12	5.5665			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	1253842	68.6	5	2	1306	1161	12
	1	119486	83.1	5	2	1420	1315	12
	2	482958	60.9	5	1	1687	150	. 88
	3	845641	77.7	5	2	1776	1158	123
	4	1208428	77.4	5	2	1793	1510	15
	5	74748	66.8	5	2	1576	1323	
	6	438300	63.7	5	1	1333	150	83
	7	800152	91.2	5	3	1409	1681	1275



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		843	
26	Type 5	17	0.705882	12	5.5621			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	545865	83.6	16	3	1632	1195	1000
	1	14067	89.4	16	3	1173	1627	1656
	2	184953	55.8	16	1	1532	28	27
	3	353759	90.9	16	3	1981	1554	1998
	4	526388	54.7	16	1	1825	•	2-
	5	694806	97.7	16	3	1734	1202	1250
	6	163568	67.5	16	2	1571	1434	182
	7	333410	96.7	16	3	1589	1469	1268
	8	504006	68.3	16	2	1750	1954	. 22
	9	675297	78.3	16	2	1591	1082	- 3-
	10	142890	55	16	1	1427	- 53	83
	11	312479	84.9	16	3	1129	1936	1199
	12	482953	74.6	16	2	1959	1856	. 34
	13	655022	63.3	16	1	1885	23	27
	14	121457	99.8	16	3	1035	1515	1120
	15	292606	63.6	16	1	1647	•	E-
	16	461322	87.3	16	3	1931	1051	1831

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		-	
27	Type 5	19	0.631579	12	5.5609			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	565136	85.6	19	3	1946	1078	1015
	1	89970	68.6	19	2	1029	1780	- 1
	2	243121	54.2	19	1	1111	339	
	3	396034	61.2	19	1	1104	6256	<u> </u>
	4	546225	97.1	19	3	1157	1989	1100
	5	70998	98.3	19	3	1142	1699	1622
	6	224093	62.4	19	1	1655		23
	7	376127	80.2	19	2	1126	1769	- 51
	8	527806	87.5	19	3	1216	1448	1179
	9	52247	85.8	19	3	1847	1348	147
	10	204582	88.1	19	3	1023	1124	163
	11	357941	65.3	19	1	1848	140	[ 2
	12	510977	52.5	19	1	1470	8778	- 51
	13	33698	52.3	19	1	1312	353	_ S
	14	186023	74.1	19	2	1915	1200	9-2
	15	339327	54.9	19	1	1479	370	70
	16	491053	76.2	19	2	1376	1502	-
	17	14858	60.4	19	1	1758	253	- 83
	18	167387	81.5	19	2	1491	1103	<u></u>

28	Type 5	12	1	12	5.5645			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	507709	50.5	10	1	1857	+2	÷
	1	750249	55.7	10	1	1246	50	95
	2	989003	85.8	10	3	1774	1002	1967
	3	235634	76.9	10	2	1125	1474	- 34
	4	477675	75.1	10	2	1254	1052	95
	5	718312	92.3	10	3	1180	1486	1492
	8	960895	78.1	10	2	1301	1757	35
	7	205370	92.2	10	3	1898	1252	1713
	8	446940	89	10	3	1260	1706	1411
	9	689225	70.9	10	2	1578	1620	35
	10	932305	63.1	10	1	1782	25	32
	11	176231	55.3	10	1	1522	88	85

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		34	
29	Type 5	18	0.666667	12	5.5617			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	277485	83.4	17	3	1454	1205	1801
	1	437880	97.3	17	3	1319	1826	1635
	2	598445	90.4	17	3	1079	1986	1674
	3	97088	91.8	17	3	1563	1151	1802
	4	257251	98.2	17	3	1876	1977	1766
	5	419893	59.5	17	1	1952	£=3	
	6	580724	80	17	2	1253	1137	2
	7	77386	86.5	17	3	1054	1128	1828
	8	238032	91.1	17	3	1105	1599	1442
	9	398605	93.5	17	3	1867	1373	1087
	10	562025	60.7	17	1	1033		-
	11	57684	67.2	17	2	1288	1405	-
	12	219083	61.8	17	1	1585	828	2
	13	379234	79.4	17	2	1933	1667	-
	14	540896	81.4	17	2	1096	1464	
	15	379 <mark>1</mark> 6	65.7	17	1	1496	(S=8)	-
	16	198794	76	17	2	1733	1255	-
	17	359754	81	17	2	1326	1668	

## Radar Singal 5\_5540MHz

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		92	
0	Type 5	15	0.8	12	5.54	(us) (us) 1685 1477 1074 - 1584 - 1682 1786 1795 1215 1198 1549 1837 1819 1587 1114 2000 1155 1147 - 1433 1695 1670 1426 1294 1671 1512 - 1444 1130		
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst		And the second second	PRI-3
	0	636185	77.8	13	2	1665	1477	2
	1	32674	51.9	13	1	1074	***	-
	2	226294	63.8	13	1	1584	373	7.5
	3	417976	96.6	13	3	1682	1786	1843
	4	611152	85.9	13	3	1795	1215	1729
	5	8789	73.7	13	2	1198	1549	70
	6	201917	77.2	13	2	1837	1819	23
	7	395530	68.4	13	2	1587	1114	-
	8	588564	76.7	13	2	2000	1155	- 23
	9	783794	53.2	13	1	1147	6256	25
	10	177933	85.7	13	3	1433	1695	1394
	11	370624	94.3	13	3	1670	1426	1935
	12	564893	77.6	13	2	1294	1671	- 23
	13	759583	65.7	13	1	1512	9,517	- 83
	14	154262	93.5	13	3	1444	1130	1468
1	Type 5	8	1.5	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst			PRI-3 (us)
	0	653020	75	5	2	1880	1527	8
	1	1015643	99.4	5	3	1401	1262	1257
	2	1379398	67.4	5	2	1531	1403	
	3	245489	73.6	5	2	1449	1041	- A
	4	609113	65.9	5	1	1432	6256	
	5	970852	83.8	5	3	1356	1292	1419
	6	1335913	65.5	5	1	1543	333	- 74
	7	200406	98.6	5	3	1548	1796	1728

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	ŝ	27	
2	Type 5	11	1.090909	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI- (us)
	0	409565	73.8	9	2	1806	1538	12.
	1	673692	69.5	9	2	1117	1649	94
	2	938562	51.9	9	1	1651	*	37.
	3	113209	84.6	9	3	1976	1032	127
	4	376726	95.4	9	3	1060	1903	138
	5	641212	68	9	2	1368	1351	850
	6	903714	89.6	9	3	1338	1514	157
	7	80863	81.9	.9	2	1022	1689	2.4
	8	344067	88.3	9	3	1810	1330	183
	9	609331	53.7	9	1	1597	25	64
	10	871542	91.3	9	3	1961	1106	100
3	Type 5	20	0.6	12	5.54	2.2		
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	26541	68.1	19	2	1339	1355	-
	1	171821	58.7	19	1	1251	*.	37
	2	316229	75.3	19	2	1136	1640	122
į.	3	461864	56.4	19	1	1753	1 2	94
	4	8677	99.7	19	3	1196	1708	115
	5	153995	57.7	19	1	1013		12
	6	299238	59.5	19	1	1072	-	-
	7	443177	80	19	2	1482	1369	- 65
	8	587671	82	19	2	1993	1197	12
	9	135874	82.8	19	2	1883	1005	37
	10	279928	88	19	3	1061	1928	110
	11	424279	93.2	19	3	1207	1907	122
	12	570132	70.4	19	2	1526	1360	27
	13	117439	95.3	19	3	1171	1955	177
	14	262502	81.9	19	2	1690	1545	- 15
	15	408573	98.5	19	3	1975	1169	106
	16	553328	65	19	1	1767	*	37
- i	17	99799	85.4	19	3	1011	1637	142
	18	244095	91.6	19	3	1878	1445	132
	19	390012	67.3	19	2	1091	1218	

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		-	
4	Type 5	17	0.705882	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
3	0	629614	67.9	16	2	1320	1133	2
	1	96856	62.3	16	1	1957		-
	2	267719	53.3	16	1	1592	(S)	1.23
	3	436784	90	16	3	1900	1153	1346
	4	608289	77.1	16	2	1166	1646	-
	5	75810	83.9	16	3	1278	1232	1459
	6	245638	89.1	16	3	1240	1384	1939
	7	416355	81.8	16	2	1833	1676	*
	8	588736	50.3	16	1	1075	100	- 20
	9	54571	87.1	16	3	1116	1996	1756
	10	225175	71.3	16	2	1225	1815	*0
	11	394825	97.5	16	3	1884	1465	1132
	12	565361	90.6	16	3	1561	1040	1354
	13	33643	86.3	16	3	1596	1183	1792
	14	203957	97.6	16	3	1365	1073	1361
	15	373812	84.7	16	3	1021	1718	1854
	16	544060	99.7	16	3	1150	1244	1988



5	Type 5	14	0.857143	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	15438	92.9	12	3	1085	1564	1407
	1	222486	67.7	12	2	1744	1747	- 12
	2	430731	65.8	12	1	1092	22	5 B
	3	637784	56.3	12	1	1851	(S <del>-</del>	-4
	4	845342	53.7	12	1	1727	127	-
	5	196720	83.5	12	3	1679	1930	1025
	6	404955	65.8	12	1	1519	8:	
	7	610711	85.9	12	3	1134	1034	1808
	8	818057	76.3	12	2	1606	1926	\$ S
	9	171459	81.5	12	2	1891	1714	. 50
	10	377969	89.4	12	3	1310	1594	1827
	11	586875	63.4	12	1	1568	89	+31
	12	792834	69.6	12	2	1307	1925	20
	13	146044	74.5	12	2	1264	1846	1

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		15	
6	Type 5	15	0.8	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	329022	96.6	13	3	1182	1609	1581
	1	521718	96.7	13	3	1829	1799	1154
	2	714222	86.5	13	3	1923	1396	1865
	3	112450	73.3	13	2	1908	1318	- 73
	4	306283	55.8	13	1	1688	182	0 30 0 30
	5	500239	55.4	13	1	1145	S24	
	6	690932	85.3	13	3	1336	1504	1820
	7	88645	79.4	13	2	1344	1893	33
	8	282508	65.7	13	1	1476	89	
	9	475842	68.6	13	2	1008	1028	73)
	10	667887	77.7	13	2	1972	1835	3 35
	11	64845	79.6	13	2	1882	1331	+91
	12	257755	94.9	13	3	1830	1070	1349
	13	452335	61.4	13	1	1451	32	S = 5
	14	643395	90.6	13	3	1233	1562	1887
7	Type 5	12	1	12	5.54			S.C.
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	51446	52.6	10	1	1210	574	-6
	1	292696	84.1	10	3	1314	1725	1529
	2	533989	97.7	10	3	1139	1868	1805
	3	775564	97.3	10	3	1341	1446	1755
	4	21542	98.8	10	3	1544	1386	1302
	5	263385	72.2	10	2	1771	1184	25
	6	505581	67.6	10	2	1175	1027	-9
	7	747058	75.7	10	2	1026	1871	50
	8	989976	60.9	10	1	1798	32	S 55
	9	234024	64.2	10	1	1138	95	
	10	475207	78.8	10	2	1784	1604	35
	11	715825	87.5	10	3	1511	1712	1683

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		32	
8	Type 5	14	0.857143	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	823112	54.1	13	1	1415		2
	1	174965	50.7	13	1	1221	30 <b>-</b> 31	-
	2	382216	52.3	13	1	1974	858	50
	3	587395	99.8	13	3	1558	1696	1949
	4	796897	68.4	13	2	1014	1099	-
	5	149042	80.8	13	2	1736	1505	8
	6	356750	62.5	13	1	1778	(2)	-
	7	563824	74.8	13	2	1149	1204	-
	8	772314	50.8	13	1	1049	VEX.	ü
	9	123796	54	13	(1)	1417	30-31	-
	10	331215	63	13	1	1730	8:38	-
	11	537402	91.8	13	3	1143	1270	1347
	12	744805	79.3	13	2	1274	1992	-
	13	98172	64.3	13	1	1937	858	
9	Type 5	8	1.5	12	5.54			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	535615	63.4	6	1	1043	(-)	-
	1	898688	52	6	1	1863	(SE)	
	2	1259235	97.2	6	3	1973	1605	1583
	3	127108	78.7	6	2	1466	1743	-
	4	490358 74.2 6 2 1280 13	1219					
	5	852409	88.7	6	3	1293	1934	1273
	6	1217152	54.3	6	1	1991	8:3	-
	7	82296	95.4	6	3	1580	1555	1791

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		32	
10	Type 5	17	0.705882	12	5.5369			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	209249	73.7	16	2	1208	1497	3) 23
	1	378386	97.4	16	3	1942	1754	1613
	2	548411	91.7	16	3	1999	1702	1462
	3	17733	66.2	16	1	1393	194	28
	4	187952	70.8	16	2	1968	1821	-53
	5	359277	52.3	16	1	1740	. No.	) 22
	6	528886	78.9	16	2	1308	1984	0
	7	700166	70.9	16	2	1050	1358	-8
	8	167197	75.6	16	2	1437	1430	) 28
	9	338262	59.1	16	1	1697	. :4	_ =
	10	508324	77	16	2	1397	1304	28
	11	678689	67.9	16	2	1803	1083	23
	12	146031	81.2	16	2	1720	1932	ું
	13	316923	78.7	16	2	1247	1121	28
	14	488056	63.3	16	1	1634	132	28
	15	657326	68.9	16	2	1849	1423	*8
	16	125509	59.3	16	1	1093	20	) <u>20</u>



11	Type 5	19	0.631579	12	5.5381			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	263736	98.9	19	3	1381	1680	1488
	1	416459	82.3	19	2	1716	1855	85
	2	567902	86.7	19	3	1211	1400	1919
	3	92979	89.7	19	3	1861	1068	1282
	4	245155	98.6	19	3	1507	1194	1461
	5	397609	71.1	19	2	1921	1789	12
	6	551431	55.9	19	1	1947	4:	- 34
	7	74413	67.9	19	2	1350	1372	85
	8	226559	84.4	19	3	1203	1107	1443
	9	380056	58.8	19	1	1715	. 8	84
	10	533408	65.6	19	1	1017	8.	95
	11	55547	78.5	19	2	1911	1704	194
	12	207876	82.3	19	2	1845	1686	35
	13	359771	90.1	19	3	1938	1071	1266
	14	511297	90.2	19	3	1989	1089	1950
	15	36903	83.1	19	2	1943	1406	<u> </u>
	16	189652	58.8	19	1	1742	-	. 64
	17	341809	77	19	2	1187	1657	55
	18	495737	55	19	1	1012	. = .	- 04

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		2	
12	Type 5	15	0.8	12	5.5357		(us)	
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)		PRI-3 (us)
	0	22911	58.1	13	1	1929	-	-
	1	216473	52.1	13	1	1910		
	2	410004	59.9	13	1	1971	8	(**
Š	3	603671	60.2	13	1	1812		75
	4	794160	95.9	13	3	1399	1906	1608
	5	192251	79.9	13	2	1626	1859	858
8	6	385590	78.5	13	2	1238	1917	120
	7	579862	53.8	13	1	1763	-	
	8	773423	64.7	13	1	1800	5	858
	9	168898	61.4	13	1	1390	2	120
	10	361606	83.2	13	2	1692	1858	
	11	553866	84.7	13	3	1533	1677	1638
	12	747241	88.7	13	3	1703	1528	1058
	13	144710	78.3	13	2	1258	1951	
	14	337856	69.3	13	2	1731	1717	523
13	Type 5	12	1	12	5.5345			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)		PRI-3
	0	664275	75.3	10	2	1994	1612	
	1	907886	58.3	10	1	1456	1 E	12
	2	151316	67.7	10	2	1617	1185	
	3	393746	55.6	10	1	1337	·	(*)
	4	635093	75.2	10	2	1421	1267	100
	5	876993	76.3	10	2	1359	1305	-
	6	121278	85.7	10	3	1547	1362	1924
	7	362696	98.4	10	3	1873	1550	1249
	8	604342	86.4	10	3	1779	1439	1046
	9	846453	93,6	10	3	1059	1031	1452
	10	91871	63.3	10	1	1328	-	10-
	11	333050	92.4	10	3	1412	1673	1322

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		72	
14	Type 5	19	0.631579	12	5.5377			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	361323	93.3	18	3	1983	1912	1535
	1	515261	69.1	18	2	1102	1794	192
	2	39025	86.9	18	3	1044	1152	1148
	3	190900	84.9	18	3	1894	1948	1118
	4	343941	72.3	18	2	1094	1916	100
	5	497624	51.7	18	1	1447	53	į į
	6	20319	58.3	18	1	1429	33	95
	7	172999	60.8	18	1	1979	23	102
	8	325872	57.1	18	1	1641	53	is.
	9	475841	88.9	18	3	1886	1964	1488
	10	1489	72	18	2	1909	1297	192
	11	153647	90.9	18	3	1261	1566	1370
	12	307096	59.8	18	1	1552	33	95
	13	458804	70	18	2	1759	1291	192
	14	610798	67.2	18	2	1625	1881	8
	15	134759	91.2	18	3	1382	1832	1661
	16	288306	56.5	18	1	1483	•	- 34
	17	441296	51.2	18	1	1237	23	87
	18	592780	74.1	18	2	1471	1245	102



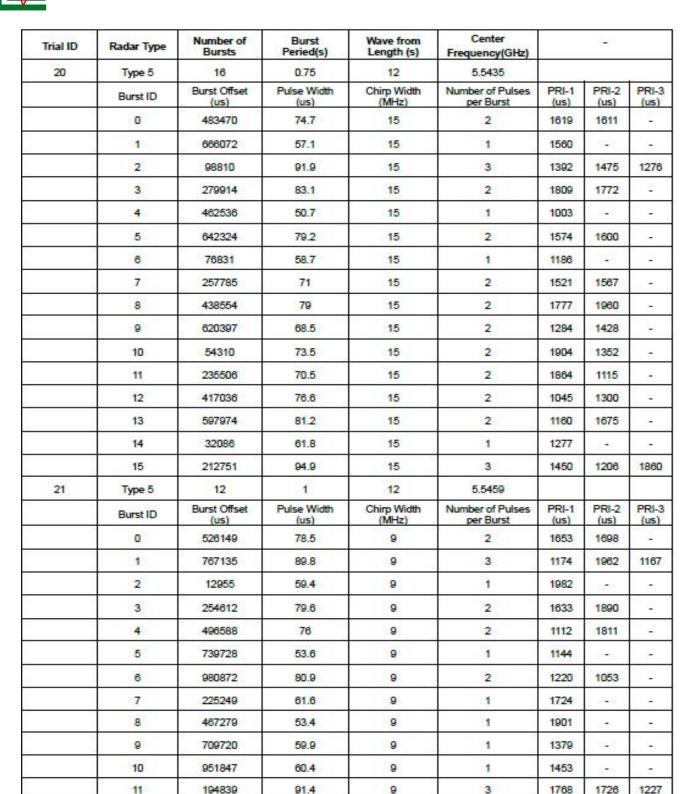
15	Type 5	14	0.857143	12	5.5353			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	158288	76.9	12	2	1110	1140	-51
	1	366024	50.2	12	1	1316	9350	3
	2	573452	62.9	12	1	1520	62	6
	3	780619	64.7	12	1	1902	595	-5
	4	132455	83.8	12	3	1410	1097	1621
	5	340207	65.4	12	11	1944	941	į s
	6	548208	53.2	12	1	1024	5 <del>7</del> 5)	-51
	7	755333	51.7	12	1	1603	1520	- 3:
	8	107117	78.7	12	2	1804	1168	-
	9	314500	72.4	12	2	1030	1343	- 55
	10	522447	53.8	12	1	1327	(Sp)	Į s
	11	728517	73.6	12	2	1524	1553	-51
	12	81611	66.7	12	2	1722	1122	33
	13	288948	82.5	12	2	1404	1019	Ψ:



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	76	125	
16	Type 5	20	0.6	12	5.5385			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	345766	87.6	20	3	1565	1055	1840
	1	490019	85.2	20	3	1735	1541	1408
	2	39073	84.8	20	3	1534	1889	1463
	3	183923	77.9	20	2	1749	1460	22
	4	328777	76.5	20	2	1518	1485	9
	5	474728	60.9	20	1	1540	(27)	
	6	21394	83	20	2	1080	1010	22
	7	165992	80.4	20	2	1824	1752	
	8	310973	67.5	20	2	1764	1181	
	9	456884	62.1	20	310	1495	142	1 12
	10	3515	86.4	20	3	1773	1966	1263
	11	147928	84.3	20	3	1593	1188	1788
	12	293225	76.9	20	2	1226	1537	12
	13	436922	95.8	20	3	1192	1298	1844
	14	584015	55.2	20	1	1644	(272)	
	15	130832	59	20	11	1402	140	39
	16	274684	94.5	20	3	1296	1700	1283
	17	418579	91.9	20	3	1970	1978	1165
	18	563464	85.2	20	3	1732	1551	1189
	19	112787	69.5	20	2	1038	1224	्

17	Type 5	12	1	12	5.5345			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	429224	86.4	10	3	1259	1918	1455
	1	670241	92.2	10	3	1598	1719	1895
	2	912880	80.4	10	2	1816	1899	95
	3	158603	54.3	10	1	1335	23	192
	4	400824	53.1	10	1	1303	53	lia .
	5	641915	69.4	10	2	1503	1546	100
	6	883823	69.1	10	2	1279	1639	192
	7	128373	100	10	3	1375	1438	1595
	8	370379	79.6	10	2	1239	1705	120
	9	611194	88.4	10	3	1374	1579	1623
	10	855665	53.3	10	1	1016	38	95
	11	98897	65.3	10	1	1709	23	192

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		12	
18	Type 5	14	0.857143	12	5.5353			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	292143	55.3	12	1	1920		2
	1	499633	58.3	12	:1	1797	0.257	- 93
	2	706377	72.3	12	2	1610	1039	-
	3	58989	84.8	12	3	1131	1761	1721
	4	266161	82.5	12	2	1875	1431	- 2
	5	474469	63.3	12	1	1095	873	i a
	6	680544	80	12	2	1119	1913	2
	7	33519	90.3	12	3	1660	1853	1123
	8	240319	91.1	12	3	1539	1783	1172
	9	447400	96.6	12	3	1525	1036	1385
	10	654516	82.7	12	2	1710	1990	*
	11	8083	50.7	12	1	1234	120	į
	12	215435	78.4	12	2	1047	1109	- 26
	13	421325	99.5	12	3	1299	1965	1869
19	Type 5	12	1	12	5.5345			Ĭ.
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	733725	88.6	10	3	1501	1067	1927
	1	977882	57.4	10	1	1723	839	l e
	2	221197	96.6	10	3	1086	1658	1324
	3	462915	69.7	10	2	1751	1945	-
	4	705071	77.9	10	2	1642	1317	51
	5	947923	62	10	1	1866	828	=
	6	191373	88.4	10	3	1997	1077	1366
	7	432561	97.3	10	3	1790	1896	1367
	8	674004	96.2	10	3	1391	1787	1672
	9	915842	95.4	10	3	1020	1892	1414
	10	162176	54.8	10	- 1	1084	S-283	-
	11	403553	80.4	10	2	1850	1436	-



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		23	
22	Type 5	20	0.6	12	5.5415			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	261858	77	20	2	1191	1363	873
	1	407646	58.1	20	1	1248	-	828
	2	552319	62.1	20	1	1836	-	837.8
	3	99107	76.9	20	2	1334	1236	878
	4	243514	80	20	2	1914	1852	828
	5	389464	52	20	1	1701		9-99
	6	531093	88.6	20	3	1693	1995	1905
	7	81159	72.9	20	2	1922	1387	-
	8	225245	98.5	20	3	1839	1746	1389
	9	371906	57.9	20	1	1193	-	923
	10	514197	95.9	20	3	1659	1870	1066
	11	63561	53.5	20	1	1162		
	12	207510	92	20	3	1745	1654	1458
	13	353638	57.3	20	1	1834		949
	14	497515	70.5	20	2	1684	1586	9-9
	15	45553	70	20	2	1042	1664	873
	16	189821	84	20	3	1765	1630	1176
	17	335330	76.1	20	2	1557	1057	853
	18	478825	93.2	20	3	1985	1018	1340
	19	27594	96.8	20	3	1760	1614	1817

23	Type 5	14	0.857143	12	5.5447	bs - 13		
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	247117	50.1	12	1	1841	+0	-
	1	453362	93.5	12	3	1590	1081	1413
	2	660875	68.8	12	2	1707	1577	-
	3	14140	56.3	12	1	1056	- 60	
	4	220734	86	12	3	1953	1108	1987
	5	428367	75.2	12	2	1572	1536	
	6	636681	54.4	12	1	1517	-60	
	7	843157	71.1	12	2	1329	1243	- 12
	8	195585	76.2	12	2	1940	1770	12
	9	403231	80.2	12	2	1098	1209	15
	10	610202	79.7	12	2	1588	1214	19
	11	815229	90.9	12	3	1615	1862	1601
	12	170267	68.7	12	2	1377	1441	8
	13	377306	67.4	12	2	1872	1313	19

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		~	
24	Type 5	13	0.923077	12	5.5451			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	628071	94	11	3	1643	1748	1941
	1	853391	70.8	11	2	1177	1201	- 12
	2	156223	56.3	11	1	1006	1.50	122
	3	378734	96.7	11	3	1230	1163	1332
	4	601331	90.6	11	3	1217	1582	1498
	5	825462	74.5	11	2	1569	1281	122
	6	128265	92.6	11	3	1065	1669	1222
	7	351161	89	11	3	1493	1135	1380
	8	573425	96.5	11	3	1607	1822	1602
	9	798431	70.5	11	2	1141	1178	19-
	10	100737	94	11	3	1009	1629	1956
	11	324661	55.8	11	1	1290	7.23	. 83
	12	546278	87.7	11	3	1435	1983	1164
25	Type 5	8	1.5	12	5.5475			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	1253842	68.6	5	2	1306	1161	
	1	119486	83.1	5	2	1420	1315	
	2	482958	60.9	5	1	1687	1.58	3.5
	3	845641	77.7	5	2	1776	1158	-
	4	1208428	77.4	5	2	1793	1510	. 9
	5	74748	66.8	5	2	1576	1323	125
3	6	438300	63.7	5	1	1333	140	12
	7	800152	91.2	5	3	1409	1681	1275



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		-	
rial ID 28	Type 5	17	0.705882	12	5.5431			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	545865	83.6	16	3	1632	1195	1000
	1	14067	89.4	16	3	1173	1627	1656
	2	184953	55.8	16	1	1532		1550
	3	353759	90.9	16	3	1981	1554	1998
	4	526388	54.7	16	1	1825	- 01	37.5
	5	694806	97.7	16	3	1734	1202	1250
	6	163568	67.5	16	2	1571	1434	-
	7	333410	98.7	16	3	1589	1469	1268
	8	504006	68.3	16	2	1750	1954	120
	9	675297	78.3	18	2	1591	1082	5.5
	10	142890	55	16	1	1427	- 2	0.50
	11	312479	84.9	16	3	1129	1936	1199
	12	482953	74.6	16	2	1959	1856	8-5
	13	655022	63.3	16	1	1885		1550
	14	121457	99.8	16	3	1035	1515	1120
	15	292606	63.6	16	1	1647	- 51	37.5
	16	461322	87.3	16	3	1931	1051	1831

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		32	
27	Type 5	19	0.631579	12	5.5419			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	565136	85.6	19	3	1946	1078	1015
	1	89970	68.6	19	2	1029	1780	. =:
	2	243121	54.2	19	1	1111	55	38
	3	396034	61.2	19	1	1104	32	2) 23
	4	546225	97.1	19	3	1157	1969	1100
	5	70998	98.3	19	3	1142	1699	1622
	6	224093	62.4	19	1	1655		. e
	7	376127	80.2	19	2	1126	1769	. 28
	8	527806	87.5	19	3	1216	1448	1179
	9	52247	85.8	19	3	1847	1348	1472
	10	204582	88.1	19	3	1023	1124	1631
	11	357941	65.3	19	1	1848	124	28
	12	510977	52.5	19	1	1470	. 35	. 53
	13	33698	52.3	19	1	1312	1 22	j 24
	14	186023	74.1	19	2	1915	1200	-8
	15	339327	54.9	19	1	1479	- 55	33
	16	491053	76.2	19	2	1376	1502	S -63
	17	14858	60.4	19	1	1758	35	. 23
	18	167387	81.5	19	2	1491	1103	23

28	Type 5	12	1	12	5.5455			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	507709	50.5	10	1	1857	+8	84
	1	750249	55.7	10	1	1246	20	55
	2	989003	85.8	10	3	1774	1002	1967
	3	235634	76.9	10	2	1125	1474	834
	4	477675	75.1	10	2	1254	1052	50
	5	718312	92.3	10	3	1180	1486	1492
	6	960895	78.1	10	2	1301	1757	25
	7	205370	92.2	10	3	1898	1252	1713
	8	446940	89	10	3	1260	1708	1411
	9	689225	70.9	10	2	1578	1620	35
	10	932305	63.1	10	1	1782	25	32
	11	176231	55.3	10	1	1522	- 50	89



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		-	
29	Type 5	18	0.666667	12	5.5427			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	277485	83.4	17	3	1454	1205	1801
	1	437880	97.3	17	3	1319	1826	1635
	2	598445	90.4	17	3	1079	1986	1674
	3	97088	91.8	17	3	1563	1151	1802
	4	257251	98.2	17	3	1876	1977	1766
	5	419893	59.5	17	1	1952	878	-
	6	580724	80	17	2	1253	1137	្រំខ
	7	77366	86.5	17	3	1054	1128	1828
	8	238032	91.1	17	3	1105	1599	1442
	9	398605	93.5	17	3	1867	1373	1087
	10	562025	60.7	17	1	1033	+	
	11	57684	67.2	17	2	1288	1405	- 54
	12	219083	61.8	17	1	1585	140	[ 3
	13	379234	79.4	17	2	1933	1667	-51
	14	540896	81.4	17	2	1096	1464	-
	15	37916	65.7	17	1	1496	6256	25
	16	198794	76	17	2	1733	1255	-
	17	359754	81	17	2	1326	1668	2

Radar Singal 5\_5550MHz



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		=	
0	Type 5	15	0.8	12	5.55		(us) (us) (us) (us) (us) (us) (us) (us)	
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)		PRI-3
	0	636185	77.8	13	2	1665	1477	
	1	32674	51.9	13	1	1074	-	0.40
	2	226294	63.8	13	1	1584	-	(5.7)
	3	417976	96.6	13	3	1682	1786	1843
	4	611152	85.9	13	3	1795	1215	1729
	5	8789	73.7	13	2	1198	1549	(6.7)3
	6	201917	77.2	13	2	1837	1819	640
	7	395530	68.4	13	2	1587	1114	
	8	588564	76.7	13	2	2000	1155	12.72
	9	783794	53.2	13	1	1147	12	1940
	10	177933	85.7	13	3	1433	1695	1394
	11	370624	94.3	13	3	1670	1426	1935
	12	564893	77.6	13	2	1294	1671	N:48
	13	759583	65.7	13	1	1512	-	2.43
	14	154262	93.5	13	3	1444	1130	1468
1	Type 5	8	1.5	12	5.55		0 0	
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)		PRI-3
	0	653020	75	5	2	1880	1527	7. <del>*</del>
	1	1015643	99.4	5	3	1401	1262	1257
	2	1379398	67.4	5	2	1531	1403	0.00
	3	245489	73.6	5	2	1449	1041	(8 <del>7</del> 6
	4	609113	65.9	5	1	1432	2	-
	5	970852	83.8	5	3	1356	1292	1419
	6	1335913	65.5	5	1	1543	15	(63)
	7	200406	98.6	5	3	1548	1796	1728

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		16-51	
2	Type 5	11	1.090909	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	409565	73.8	9	2	1806	1538	-
	1	673692	69.5	9	2	1117	1649	
	2	938562	51.9	9	1	1651	- TO	95
	3	113209	84.6	9	3	1976	1032	1271
	4	376726	95.4	9	3	1060	1903	1388
	5	641212	68	9	2	1368	1351	12
	6	903714	89.6	9	3	1338	1514	1573
	7	80863	81.9	9	2	1022	1689	is:
	8	344067	88.3	9	3	1810	1330	1838
	9	609331	53.7	9	1	1597	-41	S=
	10	871542	91.3	9	3	1961	1106	100
3	Type 5	20	0.6	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	26541	68.1	19	2	1339	1355	7-
	1	171821	58.7	19	1	1251	59	25
	2	316229	75.3	19	2	1136	1640	100
	3	461864	56.4	19	1	1753		8.
	4	8677	99.7	19	3	1196	1708	1150
	5	153995	57.7	19	1	1013	S 85	152
	6	299238	59.5	19	1	1072	-81	88
	7	443177	80	19	2	1482	1369	12
	8	587671	82	19	2	1993	1197	- 3-
	9	135674	82.8	19	2	1883	1005	95
	10	279928	88	19	3	1061	1928	1101
	11	424279	93.2	19	3	1207	1907	122
	12	570132	70.4	19	2	1526	1360	82
	13	117439	95.3	19	3	1171	1955	177
	14	262502	81.9	19	2	1690	1545	120
	15	406573	98.5	19	3	1975	1169	1062
	16	553328	65	19	1	1767	20	95
	17	99799	85.4	19	3	1011	1637	1428
	18	244095	91.6	19	3	1878	1445	1328
	19	390012	67.3	19	2	1091	1218	82

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		-	
4	Type 5	17	0.705882	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
3	0	629614	67.9	16	2	1320	1133	22
	1	96856	62.3	16	1	1957	8-	-
	2	267719	53.3	16	1	1592	(a)	- 7
	3	436784	90	16	3	1900	1153	1346
	4	608289	77.1	16	2	1166	1646	-
	5	75610	83.9	16	3	1278	1232	1456
	6	245638	89.1	16	3	1240	1384	1939
	7	416355	81.8	16	2	1833	1676	•
	8	588736	50.3	16	1	1075		- 20
	9	54571	87.1	16	3	1116	1996	1756
	10	225175	71.3	16	2	1225	1815	•
	11	394825	97.5	16	3	1884	1465	1132
	12	565361	90.6	16	3	1561	1040	1354
	13	33643	86.3	16	3	1596	1183	1792
	14	203957	97.6	16	3	1365	1073	1361
	15	373812	84.7	16	3	1021	1718	1854
	16	544060	99.7	16	3	1150	1244	1988

5	Type 5	14	0.857143	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	15438	92.9	12	3	1085	1564	1407
	1	222486	67.7	12	2	1744	1747	
	2	430731	65.8	12	1	1092	: 22	)   
	3	637784	56.3	12	1	1851	(34	. 4
	4	845342	53.7	12	1	1727	S3	-
	5	196720	83.5	12	3	1679	1930	1025
	6	404955	65.8	12	1	1519	8 <del>-</del>	+3
	7	610711	85.9	12	3	1134	1034	1808
	8	818057	76.3	12	2	1606	1926	- 5
	9	171459	81.5	12	2	1891	1714	. 50
	10	377969	89.4	12	3	1310	1594	1827
	11	586875	63.4	12	1	1568	85	
	12	792834	69.6	12	2	1307	1925	2)
	13	146044	74.5	12	2	1264	1846	-



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		2	
6	Type 5	15	0.8	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	329022	96.6	13	3	1182	1609	1581
	1	521718	96.7	13	3	1829	1799	1154
	2	714222	86.5	13	3	1923	1396	1865
	3	112450	73.3	13	2	1908	1318	0=
	4	306283	55.8	13	1	1688	- 18	
	5	500239	55.4	13	1	1145		020
	6	690932	85.3	13	3	1336	1504	1820
	7	88645	79.4	13	2	1344	1893	(**)
	8	282508	65.7	13	1	1476	2	Ver
	9	475842	68.6	13	2	1008	1028	-
	10	667887	77.7	13	2	1972	1835	8:5
	11	64845	79.6	13	2	1882	1331	1/20
	12	257755	94.9	13	3	1830	1070	1349
	13	452335	61.4	13	1	1451	15	878
	14	643395	90.6	13	3	1233	1562	1887
7	Type 5	12	1	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	51446	52.6	10	1	1210	-5	300
	1	292696	84.1	10	3	1314	1725	1529
	2	533989	97.7	10	3	1139	1868	1808
	3	775564	97.3	10	3	1341	1446	1758
	4	21542	98.8	10	3	1544	1386	1302
	5	263385	72.2	10	2	1771	1184	( ***
	6	505581	67.6	10	2	1175	1027	15.
	7	747058	75.7	10	2	1026	1871	(*)
	8	989976	60.9	10	1	1798	3	858
	9	234024	64.2	10	1	1138	2	82
	10	475207	78.8	10	2	1784	1604	8:5
	11	715825	87.5	10	3	1511	1712	1683

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		-	
8	Type 5	14	0.857143	12	5.55			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	823112	54.1	13	1	1415	6258	2
	1	174965	50.7	13	1	1221		
	2	382216	52.3	13	1	1974	320	- 50
	3	587395	99.8	13	3	1558	1696	1949
	4	796897	68.4	13	2	1014	1099	- 51
	5	149042	80.8	13	2	1736	1505	[ @
	6	356750	62.5	13	<u>:1</u>	1778	(40)	25
	7	563824	74.8	13	2	1149	1204	- 8
	8	772314	50.8	13	1	1049	1941	_ S
	9	123796	54	13	1	1417	**	-
	10	331215	63	13	1	1730	(25)	-8
	11	537402	91.8	13	3	1143	1270	1347
	12	744805	79.3	13	2	1274	1992	
	13	98172	64.3	13	1	1937	320	- 24
9	Type 5	8	1.5	12	5.55			į
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	535615	63.4	6	1	1043	(**)	- 50
	1	898668	52	6	1	1863	323	- 50
	2	1259235	97.2	6	3	1973	1605	1583
	3	127106	78.7	6	2	1466	1743	-
	4	490358	74.2	6	2	1280	1219	_ S
	5	852409	88.7	6	3	1293	1934	1273
	6	1217152	54.3	6	1	1991	(5)	8
	7	82296	95.4	6	3	1580	1555	1791

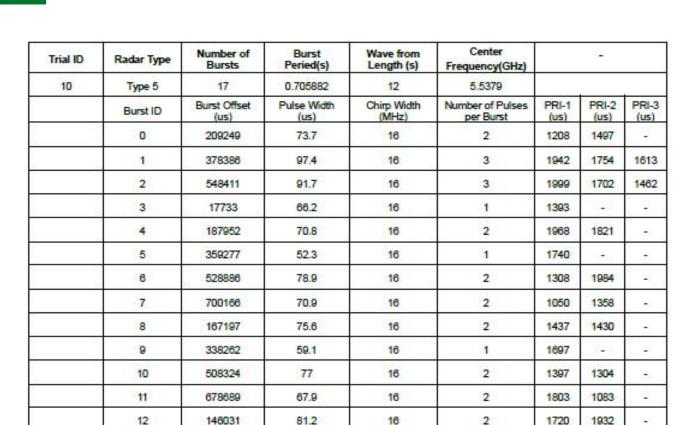
78.7

63.3

68.9

59.3

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11	Type 5	19	0.631579	12	5.5391		in 1	
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	263736	98.9	19	3	1381	1680	1488
	1	416459	82.3	19	2	1716	1855	55
	2	567902	86.7	19	3	1211	1400	1910
	3	92979	89.7	19	3	1861	1068	1283
	4	245155	98.6	19	3	1507	1194	146
	5	397609	71.1	19	2	1921	1789	134
	6	551431	55.9	19	1	1947		35
	7	74413	67.9	19	2	1350	1372	95
	8	226559	84.4	19	3	1203	1107	144
	9	380056	58.8	19	1	1715	6	38
	10	533408	65.6	19	1	1017		352
	11	55547	78.5	19	2	1911	1704	35
	12	207876	82.3	19	2	1845	1686	12
	13	359771	90.1	19	3	1938	1071	126
	14	511297	90.2	19	3	1989	1089	1956
	15	36803	83.1	19	2	1943	1406	- 34
	16	189652	58.8	19	1	1742	-	35
	17	341809	77	19	2	1187	1657	100
	18	495737	55	19	1	1012	-63	856

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		្	
12	Type 5	15	0.8	12	5.5367			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	22911	58.1	13	1	1929	- 1	2
	1	216473	52.1	13	1	1910	34	-01
	2	410004	59.9	13	1	1971	- 27	1.5
	3	603671	60.2	13	1	1812		128
	4	794160	95.9	13	3	1399	1906	1608
	5	192251	79.9	13	2	1626	1859	1.50
	6	385590	78.5	13	2	1238	1917	- 25
	7	579862	53.8	13	1	1763	8-	-
	8	773423	64.7	13	1	1800		1.20
	9	168898	61.4	13	1	1390	82	48
	10	361606	83.2	13	2	1692	1858	*
	11	553866	84.7	13	3	1533	1677	1638
	12	747241	88.7	13	3	1703	1528	1058
	13	144710	78.3	13	2	1258	1951	
	14	337856	69.3	13	2	1731	1717	7.23
13	Type 5	12	1	12	5.5355			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	664275	75.3	10	2	1994	1612	1-8
	1	907886	56.3	10	1	1456		128
	2	151316	67.7	10	2	1617	1185	-
	3	393746	55.6	10	1	1337	- 27	1.5
	4	635093	75.2	10	2	1421	1267	123
	5	876993	76.3	10	2	1359	1305	- 3
	6	121278	85.7	10	3	1547	1362	1924
	7	362696	98.4	10	3	1873	1550	1249
	8	604342	86.4	10	3	1779	1439	1046
	9	846453	93.6	10	3	1059	1031	1452
	10	91871	63.3	10	1	1328		- 63
	11	333050	92.4	10	3	1412	1673	1322



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		8401	
14	Type 5	19	0.631579	12	5.5387			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3
	0	361323	93.3	18	3	1983	1912	1535
	1	515261	69.1	18	2	1102	1794	-
	2	39025	86.9	18	3	1044	1152	1148
	3	190900	84.9	18	3	1894	1948	1118
	4	343941	72.3	18	2	1094	1916	-
	5	497624	51.7	18	1	1447	828	
	6	20319	58.3	18	1	1429	929	2
	7	172999	60.8	18	1	1979	9-91	-
	8	325872	57.1	18	1	1641	828	
	9	475841	88.9	18	3	1886	1964	1489
	10	1489	72	18	2	1909	1297	-
	11	153647	90.9	18	3	1261	1566	1370
	12	307096	59.8	18	1	1552	929	2
	13	458804	70	18	2	1759	1291	-
	14	610798	67.2	18	2	1625	1881	100
	15	134759	91.2	18	3	1382	1832	1661
	16	288306	56.5	18	1	1483	837.8	-
	17	441296	51.2	18	1	1237	958	į
	18	592780	74.1	18	2	1471	1245	-
15	Type 5	14	0.857143	12	5.5363			
3	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
0	0	158286	76.9	12	2	1110	1140	2
	1	366024	50.2	12	1	1316		*
	2	573452	62.9	12	1	1520	1570	-
0	3	780619	64.7	12	1	1902	949	-
	1048	20000000	4000	0996	- 68	20.00	(225% SE	1888

83.8

65.4

53.2

51.7

78.7

72.4

53.8

73.6

66.7

82.5

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Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	į	-	
16	Type 5	20	0.6	12	5.5395			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	345788	87.6	20	3	1565	1055	1840
	1	490019	85.2	20	3	1735	1541	1408
	2	39073	84.8	20	3	1534	1889	1463
	3	183923	77.9	20	2	1749	1460	192
	4	328777	76.5	20	2	1518	1485	83
	5	474728	60.9	20	1	1540	- 53	95
	6	21394	83	20	2	1080	1010	182
	7	165992	80.4	20	2	1824	1752	is:
	8	310973	67.5	20	2	1764	1181	12
	9	456884	62.1	20	1	1495	-61	34
	10	3515	86.4	20	3	1773	1966	1263
	11	147928	84.3	20	3	1593	1188	1788
	12	293225	76.9	20	2	1226	1537	3-
	13	436922	95.8	20	3	1192	1298	1844
	14	584015	55.2	20	1	1644	24	1 82
	15	130832	59	20	1	1402	€:	8.7
	16	274684	94.5	20	3	1296	1700	1283
	17	418579	91.9	20	3	1970	1978	1165
	18	563464	85.2	20	3	1732	1551	1189
	19	112787	69.5	20	2	1038	1224	S2
17	Type 5	12	1	12	5.5355	8		
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	429224	88.4	10	3	1259	1918	1458
	1	670241	92.2	10	3	1598	1719	1895
	2	912880	80.4	10	2	1816	1899	12
	3	158603	54.3	10	1	1335	V2 <b>±</b> S	-
	4	400824	53.1	10	1	1303	102	ं
	5	641915	69.4	10	2	1503	1546	12
	6	883823	69.1	10	2	1279	1639	-
- 9	1		100 100 11 11	77.77		C	-	1
	7	128373	100	10	3	1375	1438	1598
	8	370379	79.6	10	2	1239	1705	9
	9	611194	88.4	10	3	1374	1579	1623
	10	855665	53.3	10	110	1016	1546	- 2
	11	98897	65.3	10	1	1709	0.040	25



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		623	
18	Type 5	14	0.857143	12	5.5363			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	292143	55.3	12	1	1920	-	- 2
	1	499633	58.3	12	:13	1797		- 6
	2	706377	72.3	12	2	1610	1039	138
	3	58989	84.8	12	3	1131	1761	1721
	4	266161	82.5	12	2	1875	1431	
	5	474469	63.3	12	1	1095	U.S.O.	
	6	680544	80	12	2	1119	1913	2
	7	33519	90.3	12	3	1660	1853	1123
	8	240319	91.1	12	3	1539	1783	1172
	9	447400	96.6	12	3	1525	1036	1385
	10	654516	82.7	12	2	1710	1990	
	11	8083	50.7	12	1	1234	723	9
	12	215435	78.4	12	2	1047	1109	
	13	421325	99.5	12	3	1299	1965	186
19	Type 5	12	1	12	5.5355			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI- (us)
	0	733725	88.6	10	3	1501	1067	192
	1	977882	57.4	10	1	1723	838	ិន
	2	221197	96.6	10	3	1086	1658	1324
	3	462915	69.7	10	2	1751	1945	
	4	705071	77.9	10	2	1642	1317	-
	5	947923	62	10	<b>11</b>	1866	840	2
	6	191373	88.4	10	3	1997	1077	136
	7	432561	97.3	10	3	1790	1896	136
	8	674004	96.2	10	3	1391	1787	1672
	9	915842	95.4	10	3	1020	1892	141
	10	162176	54.8	10	1	1084	84-8	-
	11	403553	80.4	10	2	1850	1436	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		84	
20	Type 5	16	0.75	12	5.5625			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	483470	74.7	15	2	1619	1611	-
	1	666072	57.1	15	1	1560	-61	
	2	98810	91.9	15	3	1392	1475	1276
	3	279914	83.1	15	2	1809	1772	82
	4	462536	50.7	15	1	1003	-01	-
	5	642324	79.2	15	2	1574	1600	- 87
	6	76831	58.7	15	1	1186	28	- 12
	7	257785	71	15	2	1521	1567	13-
	8	438554	79	15	2	1777	1960	95
	9	620397	68.5	15	2	1284	1428	19
	10	54310	73.5	15	2	1904	1352	- 2-
	11	235506	70.5	15	2	1864	1115	95
	12	417036	76.6	15	2	1045	1300	150
	13	597974	81.2	15	2	1160	1675	ंड
	14	32086	61.8	15	1	1277	20	12
	15	212751	94.9	15	3	1450	1206	1860
21	Type 5	12	1	12	5.5649			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	526149	78.5	9	2	1653	1698	-
	1	767135	89.8	9	3	1174	1962	1167
	2	12955	59.4	9	1	1982	53	95
	3	254612	79.6	9	2	1633	1890	82
	4	496588	76	9	2	1112	1811	13-
	5	739728	53.6	9	1	1144	53	-55
	6	980872	80.9	9	2	1220	1053	12
	7	225249	61.6	9	1	1724	-83	89
	8	467279	53.4	9	1	1901	20	12
	9	709720	59.9	9	1	1379	€ ,	-
	10	951847	60.4	9	1	1453	23	:7
	11	194839	91.4	9	3	1768	1726	1227



Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		29	
22	Type 5	20	0.6	12	5.5605			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	261858	77	20	2	1191	1363	2.5
	1	407646	58.1	20	1	1248	*	8-8
	2	552319	62.1	20	1	1836		979
	3	99107	76.9	20	2	1334	1236	323
	4	243514	80	20	2	1914	1852	8.00
	5	389464	52	20	1	1701		8158
	6	531093	88.6	20	3	1693	1995	1908
	7	81159	72.9	20	2	1922	1387	
	8	225245	98.5	20	3	1839	1746	1388
	9	371906	57.9	20	1	1193		0.25
	10	514197	95.9	20	3	1659	1870	1066
	11	63561	53.5	20	1	1162		-
	12	207510	92	20	3	1745	1654	1458
	13	353638	57.3	20	1	1834	-	8-8
	14	497515	70.5	20	2	1684	1586	8158
	15	45553	70	20	2	1042	1664	-23
	16	189821	84	20	3	1765	1630	1176
	17	335330	76.1	20	2	1557	1057	628
	18	478825	93.2	20	3	1985	1018	1340
	19	27594	96.8	20	3	1760	1614	1817

23	Type 5	14	0.857143	12	5.5637	S		2 11 11
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	247117	50.1	12	1	1841	÷3	-
	1	453362	93.5	12	3	1590	1081	1413
	2	660875	68.8	12	2	1707	1577	-
	3	14140	56.3	12	1	1056	- 60	
	4	220734	86	12	3	1953	1108	1987
	5	428367	75.2	12	2	1572	1536	2
	6	636681	54.4	12	1	1517	-80	
	7	843157	71.1	12	2	1329	1243	
	8	195585	76.2	12	2	1940	1770	12
	9	403231	80.2	12	2	1098	1209	
	10	610202	79.7	12	2	1588	1214	- 12
	11	815229	90.9	12	3	1615	1862	1601
	12	170267	68.7	12	2	1377	1441	8
	13	377306	67.4	12	2	1872	1313	-

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		0.20	
24	Type 5	13	0.923077	12	5.5641			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	628071	94	11	3	1643	1748	1941
	1	853391	70.8	11	2	1177	1201	-
	2	156223	56.3	11	1	1006	1 88	3.5
	3	378734	96.7	11	3	1230	1163	1332
	4	601331	90.6	11	3	1217	1582	1498
Ì	5	825462	74.5	11	2	1569	1281	12
	6	128265	92.6	11	3	1065	1669	1222
	7	351161	89	11	3	1493	1135	1380
	8	573425	96.5	11	3	1607	1822	1602
	9	798431	70.5	11	2	1141	1178	14
	10	100737	94	11	3	1009	1629	1956
	11	324661	55.8	11	1	1290	1.20	120
	12	546278	87.7	11	3	1435	1983	1164
25	Type 5	8	1.5	12	5.5665			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	1253842	68.6	5	2	1306	1161	12
	1	119486	83.1	5	2	1420	1315	12
	2	482958	60.9	5	1	1687		
	3	845641	77.7	5	2	1776	1158	13
	4	1208428	77.4	5	2	1793	1510	12
	5	74748	66.8	5	2	1576	1323	13
7	6	438300	63.7	5	1	1333	- 5	1 3
	7	800152	91.2	5	3	1409	1681	1275

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)	8	3 <del>4</del> 5	
26	Type 5	17	0.705882	12	5.5621	30	(us) 1195 1627 - 1554 - 1202 1434 1469 1954 1082 - 1936	
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)		PRI-3 (us)
	0	545865	83.6	16	3	1632	1195	1000
	1	14067	89.4	16	3	1173	1627	1656
	2	184953	55.8	16	1	1532	ings:	
	3	353759	90.9	16	3	1981	1554	1998
	4	526388	54.7	16	1	1825	(27)	.55
	5	694806	97.7	16	3	1734	1202	1250
	6	163568	67.5	16	2	1571	1434	
	7	333410	98.7	16	3	1589	1469	1268
34	8	504006	68.3	16	2	1750	1954	12
	9	675297	78.3	16	2	1591	1082	E .
	10	142890	55	16	1	1427	1.22	
	11	312479	84.9	16	3	1129	1936	1199
	12	482953	74.6	16	2	1959	1856	
	13	655022	63.3	16	1	1885	1025	· 0
	14	121457	8.99	16	3	1035	1515	1120
	15	292606	63.6	16	1	1647	(27)3	- 25
5	16	461322	87.3	16	3	1931	1051	1831

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		12	
27	Type 5	19	0.631579	12	5.5609			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-
	0	565136	85.6	19	3	1946	1078	1018
	1	89970	68.6	19	2	1029	1780	
	2	243121	54.2	19	1	1111	838	- 50
	3	396034	61.2	19	1	1104	625	23
	4	546225	97.1	19	3	1157	1969	1100
	5	70998	98.3	19	3	1142	1699	162
	6	224093	62.4	19	<u>:1</u>	1655		-
	7	376127	80.2	19	2	1126	1769	
	8	527806	87.5	19	3	1216	1448	117
	9	52247	85.8	19	3	1847	1348	147
	10	204582	88.1	19	3	1023	1124	163
	11	357941	65.3	19	1	1848	141	្ទ
	12	510977	52.5	19	1	1470	858	-
	13	33698	52.3	19	1	1312	323	2
	14	186023	74.1	19	2	1915	1200	
	15	339327	54.9	19	1	1479	820	- 23
	16	491053	76.2	19	2	1376	1502	-
	17	14858	60.4	19	1	1758	(35)7	- 3
	18	167387	81.5	19	2	1491	1103	2



28	Type 5	12	1	12	5.5645			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	507709	50.5	10	1	1857		·
	1	750249	55.7	10	1	1246	84	320
	2	989003	85.8	10	3	1774	1002	1967
	3	235634	76.9	10	2	1125	1474	· (**)
	4	477675	75.1	10	2	1254	1052	330
	5	718312	92.3	10	3	1180	1486	1492
	6	960895	78.1	10	2	1301	1757	6724
	7	205370	92.2	10	3	1898	1252	1713
	8	446940	89	10	3	1260	1706	1411
	9	689225	70.9	10	2	1578	1620	(1.11)
	10	932305	63.1	10	1	1782	200	141
	11	176231	55.3	10	1	1522	-	8725

Trial ID	Radar Type	Number of Bursts	Burst Peried(s)	Wave from Length (s)	Center Frequency(GHz)		52:	
29	Type 5	18	0.666667	12	5.5617			
	Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)
	0	277485	83.4	17	3	1454	1205	1801
	1	437880	97.3	17	3	1319	1826	1635
	2	598445	90.4	17	3	1079	1986	1674
	3	97088	91.8	17	3	1563	1151	1802
	4	257251	98.2	17	3	1876	1977	1766
	5	419893	59.5	17	1	1952	858	5.1
	6	580724	80	17	2	1253	1137	į e
	7	77366	86.5	17	3	1054	1128	1828
	8	238032	91.1	17	3	1105	1599	1442
	9	398605	93.5	17	3	1867	1373	1087
	10	562025	60.7	17	1	1033	10-31	-
	11	57684	67.2	17	2	1288	1405	-
	12	219083	61.8	17	1	1585	750	1 8
	13	379234	79.4	17	2	1933	1667	-
	14	540896	81.4	17	2	1096	1464	
	15	37916	65.7	17	1	1496	829	2
	16	198794	76	17	2	1733	1255	-
	17	359754	81	17	2	1326	1668	-



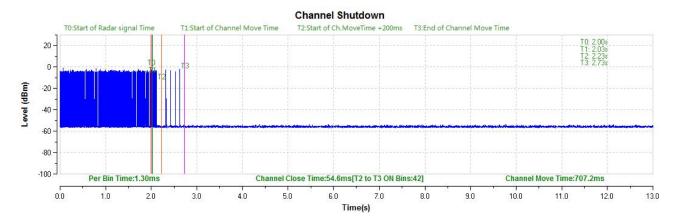
# Radar Singal 6

Trial ID	Radar Type	Pulse Width (us)	PRI (us)	Number of Pulses	Waveform Legth (us)	Pulse Repection Frequency (Pulses Per Second)	Pulse Repection Interval (Microseconds)
0	Type 6	1	333.3	9	0.3333	3000	17
1	Type 6	1	333.3	9	0.3333	3000	13
2	Type 6	1	333.3	9	0.3333	3000	14
3	Type 6	1	333.3	9	0.3333	3000	19
4	Type 6	1	333.3	9	0.3333	3000	11
5	Type 6	1	333.3	9	0.3333	3000	13
6	Type 6	1	333.3	9	0.3333	3000	13
7	Type 6	1	333.3	9	0.3333	3000	17
8	Type 6	1	333.3	9	0.3333	3000	15
9	Type 6	1	333.3	9	0.3333	3000	17
10	Type 6	1	333.3	9	0.3333	3000	16
11	Type 6	1	333.3	9	0.3333	3000	23
12	Type 6	1	333.3	9	0.3333	3000	22
13	Type 6	1	333.3	9	0.3333	3000	16
14	Type 6	1	333.3	9	0.3333	3000	15
15	Type 6	1	333.3	9	0.3333	3000	21
16	Type 6	1	333.3	9	0.3333	3000	14
17	Type 6	1	333.3	9	0.3333	3000	22
18	Type 6	1	333.3	9	0.3333	3000	12
19	Type 6	1	333.3	9	0.3333	3000	17
20	Type 6	1	333.3	9	0.3333	3000	20
21	Type 6	1	333.3	9	0.3333	3000	18
22	Type 6	1	333.3	9	0.3333	3000	23
23	Type 6	1	333.3	9	0.3333	3000	14
24	Type 6	1	333.3	9	0.3333	3000	13
25	Type 6	1	333.3	9	0.3333	3000	16
26	Type 6	1	333.3	9	0.3333	3000	15
27	Type 6	1	333.3	9	0.3333	3000	19
28	Type 6	1	333.3	9	0.3333	3000	18
29	Type 6	1	333.3	9	0.3333	3000	15

## Channel Move Time & Channel Closing Transmission Time

### IEEE 802.11ac

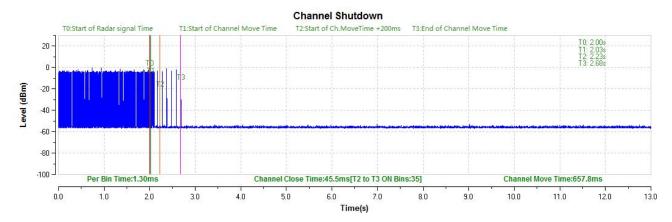
#### Channel 58 / 5290 MHz



Channel Move Time	Limit		
0.707s	10s		
Channel Close Time	Limit		
54.6ms	60ms		

### IEEE 802.11ac

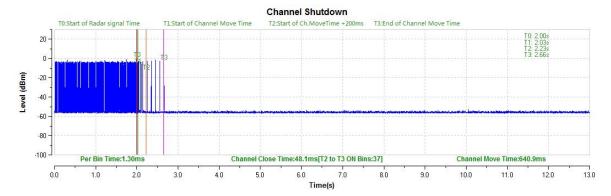
### Channel 106 / 5530 MHz



Channel Move Time	Limit		
0.658s	10s		
Channel Close Time	Limit		
45.5ms	60ms		

# V

Channel 122 / 5610 MHz



Channel Move Time	Limit		
0.641s	10s		
Channel Close Time	Limit		
48.1ms	60ms		

Notes:A20/N40/AC 80 were tested, the report recorded the worst result of AC mode.

# 9. LIST OF MEASURING EQUIPMENTS

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
SAMSUNG ELECTRONICS	WEA453e / Wireless AP (Master Device)	N/A	N/A	S2LF812265 (FCC ID:A3LWEA453E)
ADLINK	PXI/DFS Measurement System(S/G)	03/22/2021	12 months	302581/735
ADLINK	PXI/DFS Measurement System(S/A)	03/22/2021	12 months	303582/113
Agilent	N9020A / Signal Analyzer	06/08/2021	12 months	MY52090906
Hewlett Packard	11636B/Power Divider	02/21/2021	12 months	0531
Hewlett Packard	11667B / Power Splitter	06/07/2021	12 months	05001
Agilent	8493C / Attenuator(10 dB)	07/10/2021	12 months	07560
WEINSCHEL	2-3 / Attenuator(3 dB)	08/15/2021	12 months	BR0617
Weinschel	AF9003-69-31 / Step Attenuator	08/15/2021	12 months	5701
Cernex	CDPU5260404K / 4 Way Power Divider	03/07/2021	12 months	14695
Narda	4426-4 / 4 Way Power Divider	02/08/2021	12 months	11927

# 10. TEST SETUP PHOTOGRAPHS OF EUT

Please refer to separated files for Test Setup Photos of the EUT.

### 11. EXTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for External Photos of the EUT.

# 12. INTERIOR PHOTOGRAPHS OF THE EUT

Please refer to separated files for Internal Photos of the EUT.

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