



# TEST REPORT

**Test Report No. : UL-RPT-RP10011076JD01D**

**Manufacturer** : Siemens AG  
**Model No.** : SCALANCE W786C-2IA RJ45  
**FCC ID** : LYHMPCIE1V1  
**IC Certification No.** : 267AA-MPCIE1V1  
**Test Standard(s)** : FCC Part 15.407(h)(2) Subpart E, RSS-210 A9.3 Issue 8 December 2010

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2. The results in this report apply only to the sample(s) tested.
3. The sample tested is in compliance with the above standard(s).
4. The test results in this report are traceable to the national or international standards.
5. Version 1.0

**Date of Issue:** 29 August 2013

**Checked by:**

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**Issued by :**

pp

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This laboratory is accredited by UKAS. The tests reported herein have been performed in accordance with its' terms of accreditation.

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## **1. Customer Information**






<b>Company Name:</b>	Siemens AG
<b>Address:</b>	Östliche Rheinbrückenstr. 50 761687 Karlsruhe Germany

## 2. Summary of Testing

### 2.1. General Information

<b>Specification Reference:</b>	47CFR15.407
<b>Specification Title:</b>	Code of Federal Regulations Volume 47 (Telecommunications): Part 15 Subpart E (Unlicensed National Information Infrastructure Devices) - Section 15.407
<b>Specification Reference:</b>	Industry Canada RSS-210 Issue 8 December 2010
<b>Specification Title:</b>	Low-power Licence-exempt Radio communication Devices (All Frequency Bands): Category I Equipment.
<b>Site Registration:</b>	FCC: 209735; Industry Canada: 3245B-2
<b>Test Date:</b>	15 May 2013

### 2.2. Summary of Test Results

FCC Reference (47CFR)	IC Reference	Measurement	Result
Part 15.407(h)(2)	RSS-210 A9.3(a)	Statistical Performance Check – Short Pulse Radar Types 1-4	
Part 15.407(h)(2)	RSS-210 A9.3(a)	Statistical Performance Check – Long Pulse Radar Type 5	
Part 15.407(h)(2)	RSS-210 A9.3(a)	Statistical Performance Check – Frequency Hopping Radar Type 6	
<b>Key to Results</b>			
 = Complied  = Did not comply			

#### Note(s):

- Only DFS tests at the lowest EUT bandwidth (20 MHz) are required in accordance with clause 8.3(18) of FCC 06-96.
- The requirements of DFS apply for the 5250-5350 MHz and 5470–5725 MHz bands.
- Due to the EUT being almost identical to the W788-2 variant and incorporating the same radio module, only the statistical performance check was tested to check detection threshold for all radar types. Other operation such as channel shutdown timings, the ability to detect during CAC, and non-occupancy period should therefore be identical to the W788-2 variant (report UL-RPT-RP10011076JD01A).

### 2.3. Methods and Procedures

<b>Reference:</b>	FCC 06-96
<b>Title:</b>	Compliance Measurement Procedures for Unlicensed-National Information Infrastructure Devices Operating in the 5250-5350 MHz and 5470-5725 MHz Bands Incorporating Dynamic Frequency Selection

### 2.4. Deviations from the Test Specification

There were no deviations from, additions to, or exclusions from the test specification identified above.

### **3. Equipment Under Test (EUT)**

#### **3.1. Identification of Equipment Under Test (EUT)**

<b>Brand Name:</b>	Siemens AG
<b>Model Name or Number:</b>	SCALANCE W786C-2IA RJ45
<b>Serial Number:</b>	6GK5786-2HC00-1AA0
<b>FCC ID:</b>	LYHMPCIE1V1
<b>Industry Canada Certification Number:</b>	267AA-MPCIE1V1

#### **3.2. Untested Variants**

The customer has declared that the above SCALANCE W786C-2IA RJ45 used for testing, is also a representative model for the following variants in terms of both hard ware & firmware.

They have declared that these variants only differ in terms of their hardware options (number of radio cards mounted, type of Ethernet /antenna connector, number of radio cards).With the models, WS-AP3765e, WS-AP3765i & WS-AP3767e differing from the models W786C-2RJ45, W786C-2IA RJ45 & W786C-2 SFP only in housing color/laser printing.

<b>Type</b>	<b>Certification Name</b>
SCALANCE W786C-2 RJ45	EAPN-W2-RJ-E3
SCALANCE W786C-2IA RJ45	EAPN-W2-RJ-I3
SCALANCE W786C-2 SFP	EAPN-W2-SFP-E3
WS-AP3765e (W786C-2 RJ45)	EAPN-W2-RJ-E3
WS-AP3767e (W786C-2 SFP)	EAPN-W2-SFP-E3
WS-AP3765i (W786C-2IA RJ45)	EAPN-W2-RJ-I3

#### **3.3. Description of EUT**

The equipment under test was a Wi-Fi Access Point.

The EUT can be operated in either Master or Client mode depending on the firmware configuration. The testing covered in this report is with a Master configuration only.

#### **3.4. Modifications Incorporated in the EUT**

No modifications were made to the EUT during testing.

**3.5. Additional Information Related to Testing**

<b>Technology Tested:</b>	WLAN (IEEE 802.11a,n) / U-NII Bands	
<b>Type of Unit:</b>	Access Point	
<b>Data rates:</b>	802.11a	6, 9, 12, 18, 24, 36 ,48 & 54 Mbps
	802.11n HT20	MCS0 to MCS23 (3 spatial stream)
	802.11n HT40	MCS0 to MCS23 (3 spatial stream)
<b>Power Supply Requirement(s):</b>	Nominal	12-24 VDC
<b>Maximum Antenna Gain:</b>	4 dBi	
<b>Channel Spacing:</b>	20 MHz	
<b>Transmit Frequency Band:</b>	5150 MHz to 5850 MHz (excluded 5600 MHz to 5650 MHz)	
<b>Transmit Channels Tested:</b>	<b>Channel Number</b>	<b>Channel Frequency (MHz)</b>
	100	5500

**3.6. Support Equipment**

The following support equipment was used to exercise the EUT during testing:

<b>Description:</b>	Access Point (operating in client mode)
<b>Brand Name:</b>	Siemens AG
<b>Model Name or Number:</b>	W788-2
<b>Serial Number:</b>	1P 6GK5788-2FC00-0AA0

<b>Description:</b>	Test Laptop
<b>Brand Name:</b>	Dell
<b>Model Name or Number:</b>	Latitude D610
<b>Serial Number:</b>	CN-0C4708-48643-5CP-2346

## **4. Operation and Monitoring of the EUT during Testing**

### **4.1. Operating Modes**

The EUT was tested in the following operating modes, unless otherwise stated:

- The EUT was tested as a Master unit connected to a Client transmitting on full power using OFDM modulation as the manufacturer declared this as a representative modulation mode for DFS testing and further declared that the modulation mode used would not impact the results.
- The EUT has three MIMO channels which normally connect to internal antennas. The radar signal was applied to a single port of the radio module only, at the levels defined in FCC 06-96.
- The EUT was operated on channel 5500 MHz.
- The device was tested with a power level of 20 dBm (100 mW). This was designed to simulate the use of an antenna with the minimum specified gain of +4 dBi.
- The DFS detection threshold of -62 dBm was used throughout, as the maximum transmit power was <200 mW.
  - The customer declared the highest gain of the antennas used in the product to be +4 dBi. Since the test is performed conducted, this additional gain which would normally be present in the signal is added to the radar test level.
  - The radar level to be presented at the antenna ports was calculated as:  
-62 dBm +4 dBi antenna gain +1 dB to account for variations = -57.0 dBm radar level at internal antenna ports.

### **FCC 06-96 Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection**

<b>Maximum Transmit Power</b>	<b>Value (See Notes 1 and 2)</b>
< 200 milliwatt	-62 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	

### **4.2. Configuration and Peripherals**

The EUT was tested in the following configuration(s):

- All measurements were made using a conducted link.
- A laptop PC was used to configure the EUT parameters during the testing using a standard web browser and via a terminal application. The laptop was connected to the EUT via Ethernet and serial connections to set EUT parameters.
- The EUT's serial interface was used to report radar detection events.
- When the system required channel loading, a MPEG video file that streamed full motion video at 30 frames per second was downloaded from <http://ntiacsd.ntia.doc.gov/dfs/> and played between 2 laptops. The file was transferred from the master device to the client device during this testing.



## **5. Measurements, Examinations and Derived Results**

### **5.1. General Comments**

Measurement uncertainties are evaluated in accordance with current best practice. Our reported expanded uncertainties are based on standard uncertainties, which are multiplied by an appropriate coverage factor to provide a statistical confidence level of approximately 95%. Please refer to *Section 6. Measurement Uncertainty* for details.

In accordance with UKAS requirements all the measurement equipment is on a calibration schedule. All equipment was within the calibration period on the date of testing.

## 5.2. Test Results

### 5.2.1. Statistical Performance Check – Short Pulse Radar Types 1 - 4

#### Test Summary:

Test Engineer:	Sandeep Bharat	Test Date:	15 May 2013
Test Sample Serial Number:	6GK5786-2HC00-1AA0		

FCC Reference:	Part 15.407(h)(2)
Industry Canada Reference:	RSS-210 A9.3(a)
Test Method Used:	FCC 06-96 Section 7.8.4.1

#### Environmental Conditions:

Temperature (°C):	24
Relative Humidity (%):	28

#### Note(s):

1. Non-detected radars marked with an asterisk indicate that the type of radar pulse was not detected the first time, but was detected with subsequent trials with the same radar parameters.

#### Results: 20 MHz / Radar Type 1

Radar Type	Trial Number	Detected?	Trial Number	Detected?
1	1	Yes	16	Yes
	2	Yes	17	Yes
	3	Yes	18	Yes
	4	Yes	19	Yes
	5	Yes	20	Yes
	6	Yes	21	Yes
	7	Yes	22	Yes
	8	Yes	23	Yes
	9	Yes	24	Yes
	10	Yes	25	Yes
	11	Yes	26	Yes
	12	Yes	27	Yes
	13	Yes	28	Yes
	14	Yes	29	Yes
	15	Yes	30	Yes
Detection level			100 %	

**Statistical Performance Check – Short Pulse Radar Types 1 - 4 (continued)****Results: 20 MHz / Radar Type 2**

Radar Type	Trial Number	Number Pulses per Burst	Pulse Width (µs)	PRI (µs)	Detected?
2	1	26	1.0	165	Yes
	2	24	1.0	227	Yes
	3	27	1.0	230	Yes
	4	26	1.3	163	Yes
	5	27	1.3	176	Yes
	6	27	1.4	219	Yes
	7	29	1.5	206	Yes
	8	27	1.5	226	Yes
	9	26	1.6	175	Yes
	10	24	1.9	172	Yes
	11	25	1.9	202	Yes
	12	28	2.4	176	No*
	13	24	2.5	175	Yes
	14	23	2.7	188	Yes
	15	24	2.7	195	Yes
	16	27	2.9	198	Yes
	17	29	3.0	153	Yes
	18	26	3.2	176	Yes
	19	25	3.6	182	Yes
	20	23	3.6	187	Yes
	21	24	3.8	206	Yes
	22	24	3.9	208	Yes
	23	27	4.0	202	Yes
	24	26	4.1	150	Yes
	25	29	4.4	172	Yes
	26	24	4.6	163	Yes
	27	27	4.6	222	Yes
	28	26	4.6	227	Yes
	29	23	4.9	185	Yes
	30	25	5.0	220	Yes
<b>Detection Level</b>				<b>96.6 %</b>	

**Statistical Performance Check – Short Pulse Radar Types 1 - 4 (continued)****Results: 20 MHz / Radar Type 3**

Radar Type	Trial Number	Number Pulses per Burst	Pulse Width (µs)	PRI (µs)	Detected?
3	1	16	10.0	218	Yes
	2	17	6.0	334	Yes
	3	18	6.1	210	Yes
	4	17	6.2	432	No*
	5	16	6.4	292	Yes
	6	17	6.4	306	Yes
	7	17	6.5	345	Yes
	8	17	6.6	301	Yes
	9	17	6.7	350	Yes
	10	17	6.8	308	Yes
	11	18	6.8	394	Yes
	12	18	6.9	410	Yes
	13	16	7.0	232	Yes
	14	18	7.0	461	Yes
	15	17	7.8	322	Yes
	16	17	7.8	496	Yes
	17	16	8.0	472	Yes
	18	16	8.3	355	Yes
	19	17	8.3	389	Yes
	20	16	8.4	259	Yes
	21	17	8.5	352	Yes
	22	16	8.9	265	Yes
	23	17	9.1	271	Yes
	24	16	9.1	348	Yes
	25	18	9.1	399	Yes
	26	18	9.1	421	Yes
	27	18	9.5	481	Yes
	28	18	9.7	430	No*
	29	16	9.9	273	Yes
	30	17	9.9	420	Yes
<b>Detection Level</b>				93.3 %	

**Statistical Performance Check – Short Pulse Radar Types 1 - 4 (continued)****Results: 20 MHz / Radar Type 4**

Radar Type	Trial Number	Number Pulses per Burst	Pulse Width (µs)	PRI (µs)	Detected?
4	1	14	11.0	460	Yes
	2	16	11.3	384	Yes
	3	13	11.3	394	Yes
	4	15	12.3	284	Yes
	5	12	12.4	341	Yes
	6	15	13.7	354	Yes
	7	13	13.8	326	Yes
	8	13	14.4	363	Yes
	9	16	14.8	295	Yes
	10	15	14.8	470	Yes
	11	12	15.0	432	Yes
	12	15	15.3	268	Yes
	13	16	15.3	331	Yes
	14	16	15.4	291	Yes
	15	13	16.1	487	Yes
	16	16	16.3	295	Yes
	17	13	16.6	268	Yes
	18	15	16.6	377	Yes
	19	12	16.6	483	Yes
	20	14	17.4	445	Yes
	21	12	17.8	202	Yes
	22	13	18.0	420	Yes
	23	16	18.3	280	Yes
	24	15	18.3	305	No*
	25	14	18.3	318	Yes
	26	14	18.9	312	Yes
	27	14	18.9	404	Yes
	28	13	19.6	319	Yes
	29	12	20.0	206	Yes
	30	14	20.0	487	Yes
<b>Detection Level</b>				<b>96.6 %</b>	

**Statistical Performance Check – Short Pulse Radar Types 1 - 4 (continued)****Limits:****Table 5 – Short Pulse Radar Test Waveforms**

<b>Radar Type</b>	<b>Pulse Width (<math>\mu</math>sec)</b>	<b>PRI (<math>\mu</math>sec)</b>	<b>Number of Pulses</b>	<b>Minimum Percentage of Successful Detection</b>	<b>Minimum Number of Trials</b>
1	1	1428	18	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

**5.2.2. Statistical Performance Check – Long Pulse Radar Type 5****Test Summary:**

<b>Test Engineer:</b>	Sandeep Bharat	<b>Test Date:</b>	15 May 2013
<b>Test Sample Serial Number:</b>	6GK5786-2HC00-1AA0		

<b>FCC Reference:</b>	Part 15.407(h)(2)
<b>Industry Canada Reference:</b>	RSS-210 A9.3(a)
<b>Test Method Used:</b>	FCC 06-96 Section 7.8.4.2

**Environmental Conditions:**

<b>Temperature (°C):</b>	24
<b>Relative Humidity (%):</b>	28

**Results: 20 MHz / Radar Type 5**

Radar Type	Trial Number	Detected?	Trial Number	Detected?
5	1	Yes	16	Yes
	2	Yes	17	Yes
	3	Yes	18	Yes
	4	Yes	19	Yes
	5	Yes	20	Yes
	6	Yes	21	Yes
	7	Yes	22	Yes
	8	Yes	23	Yes
	9	Yes	24	Yes
	10	Yes	25	Yes
	11	Yes	26	Yes
	12	Yes	27	Yes
	13	Yes	28	Yes
	14	Yes	29	Yes
	15	Yes	30	Yes
<b>Detection level</b>			100 %	

**Notes:**

Further details of all parameters on which the trials using Radar Type 5 were created and can be found in Appendix 5: Statistical Performance Check– Radar Type 5 Trial Records.

**Statistical Performance Check – Long Pulse Radar Type 5 (continued)****Limits:****Table 6 – Long Pulse Radar Test Waveform**

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



**5.2.3. Statistical Performance Check – Frequency Hopping Radar Type 6****Test Summary:**

<b>Test Engineer:</b>	Sandeep Bharat	<b>Test Date:</b>	15 May 2013
<b>Test Sample Serial Number:</b>	6GK5786-2HC00-1AA0		

<b>FCC Reference:</b>	Part 15.407(h)(2)
<b>Industry Canada Reference:</b>	RSS-210 A9.3(a)
<b>Test Method Used:</b>	FCC 06-96 Section 7.8.4.3

**Environmental Conditions:**

<b>Temperature (°C):</b>	24
<b>Relative Humidity (%):</b>	28

**Results: 20 MHz / Radar Type 6**

Radar Type	Trial Number	Detected?	Trial Number	Detected?
6	1	Yes	16	Yes
	2	Yes	17	Yes
	3	Yes	18	Yes
	4	Yes	19	Yes
	5	Yes	20	Yes
	6	Yes	21	Yes
	7	Yes	22	Yes
	8	Yes	23	Yes
	9	Yes	24	Yes
	10	Yes	25	Yes
	11	Yes	26	Yes
	12	Yes	27	Yes
	13	Yes	28	Yes
	14	Yes	29	Yes
	15	Yes	30	Yes
<b>Detection level</b>			100 %	

**Limits:****Table 7 – Frequency Hopping Radar Test Waveform**

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

## **6. Measurement Uncertainty**

No measurement or test can ever be perfect and the imperfections give rise to error of measurement in the results. Consequently the result of a measurement is only an approximation to the value of the measurand (the specific quantity subject to measurement) and is only complete when accompanied by a statement of the uncertainty of the approximation.

The expression of uncertainty of a measurement result allows realistic comparison of results with reference values and limits given in specifications and standards.

The uncertainty of the result may need to be taken into account when interpreting the measurement results.

The reported expanded uncertainties below are based on a standard uncertainty multiplied by an appropriate coverage factor such that a confidence level of approximately 95% is maintained. For the purposes of this document “approximately” is interpreted as meaning “effectively” or “for most practical purposes”.

<b>Measurement Type</b>	<b>Confidence Level (%)</b>	<b>Calculated Uncertainty</b>
Dynamic Frequency Selection (DFS) – Radar Amplitude	95%	± 2.17 dB

The methods used to calculate the above uncertainties are in line with those recommended within the various measurement specifications. Where measurement specifications do not include guidelines for the evaluation of measurement uncertainty the published guidance of the appropriate accreditation body is followed.

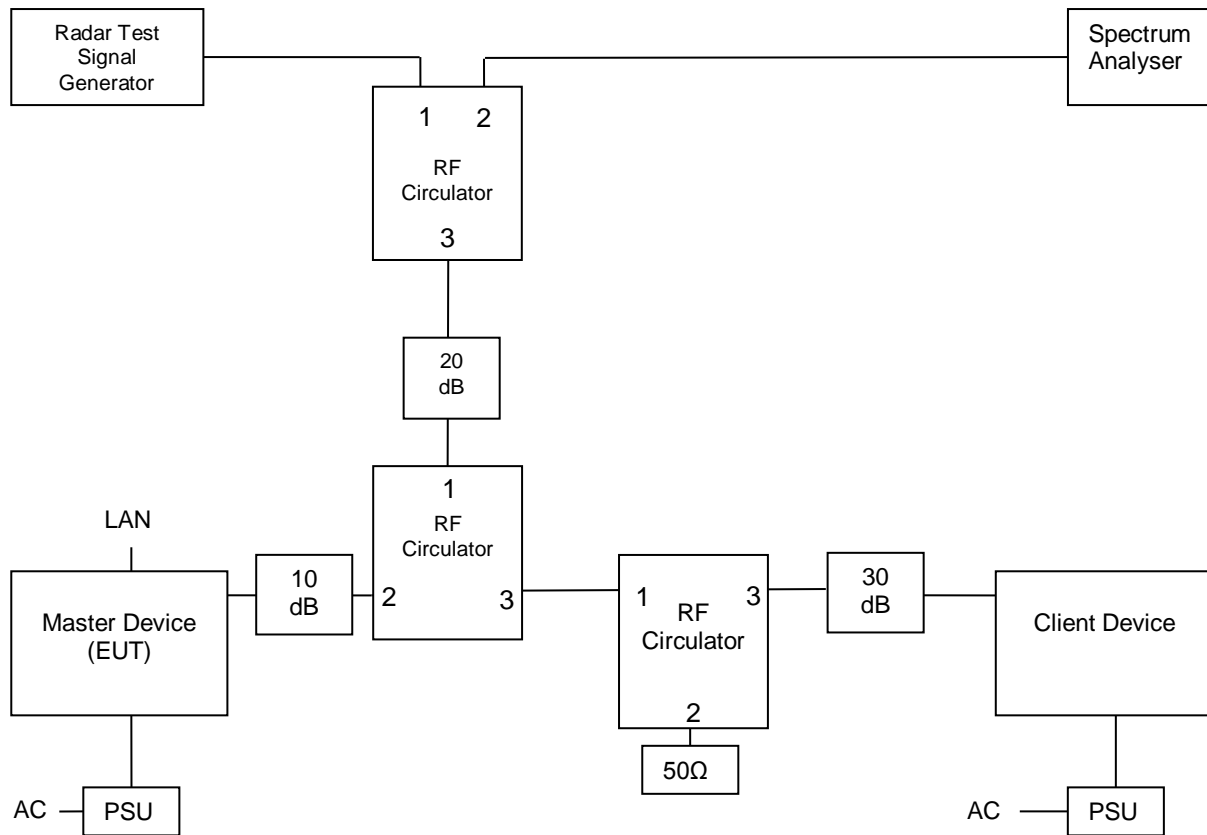
**Appendix 1. Test Equipment Used**

<b>Asset No.</b>	<b>Instrument</b>	<b>Manufacturer</b>	<b>Type No.</b>	<b>Serial No.</b>	<b>Date Calibration Due</b>	<b>Cal. Interval (Months)</b>
M1631	DFS Test System	Aeroflex	PXI 3000	300110/291	11 Jun 2015	24
M1630	Test Receiver	Rohde & Schwarz	ESU40	100233	07 Feb 2014	12
A248	Step Attenuator	Narda	743-60	01411	Calibrated before use	-
A030	Step Attenuator	Narda	445-69	01544	Calibrated before use	-
A163	Step Attenuator	Narda	743-80	01344	Calibrated before use	-
A2179	Coaxial Circulator	Atlantec	ACC-20130-SF-SF-SF	120409230	Calibrated before use	-
A2182	Coaxial Circulator	Atlantec	ACC-20130-SF-SF-SF	120409231	Calibrated before use	-
A2183	Coaxial Circulator	Atlantec	ACC-20130-SF-SF-SF	120409232	Calibrated before use	-

## Appendix 2. Monitoring Methods Diagrams

All tests were performed as conducted measurements using the setups as shown below

### Setup Diagram – EUT – Master, Radar Injection at Master



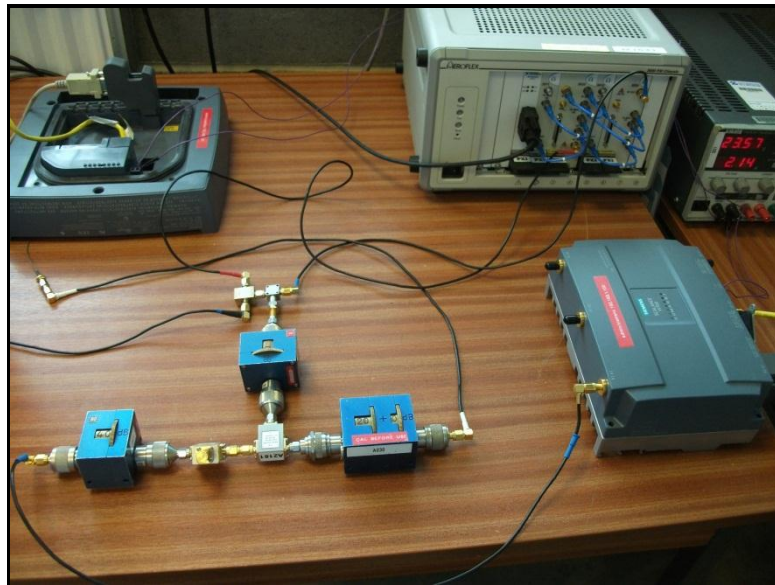
Note: The circulators have approximately 18 dB loss in the reverse direction.

### **Appendix 3. Radar Type 1-6 Calibration and Verification Data**

All radars were generated and produced by an Aeroflex DFS test system. The radar pulse generation of this system has previously been verified by the FCC (see Appendix 4).

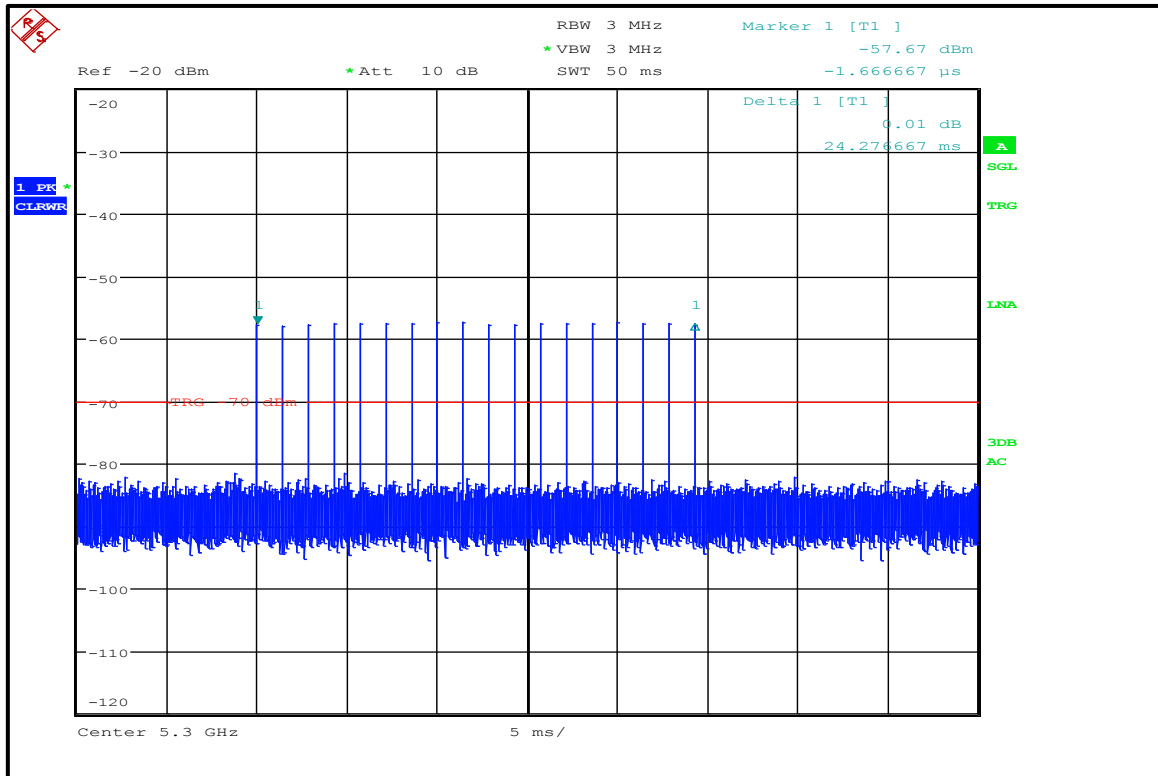
The radar amplitude was calibrated using the setup diagram above. The spectrum analyser was replaced by a 50Ω load. The EUT was replaced by a spectrum analyser. The radar pulses types 1-4 were then played back by the Aeroflex DFS test system. The amplitude was measured on the spectrum analyser using a 3 MHz RBW/VBW. The path loss was then put into the Aeroflex test system as an output level offset. The test system output level could then be set in the software to the correct level into the EUT, as calculated in section 4.1, before the tests were performed.

#### **Setup Photographs**

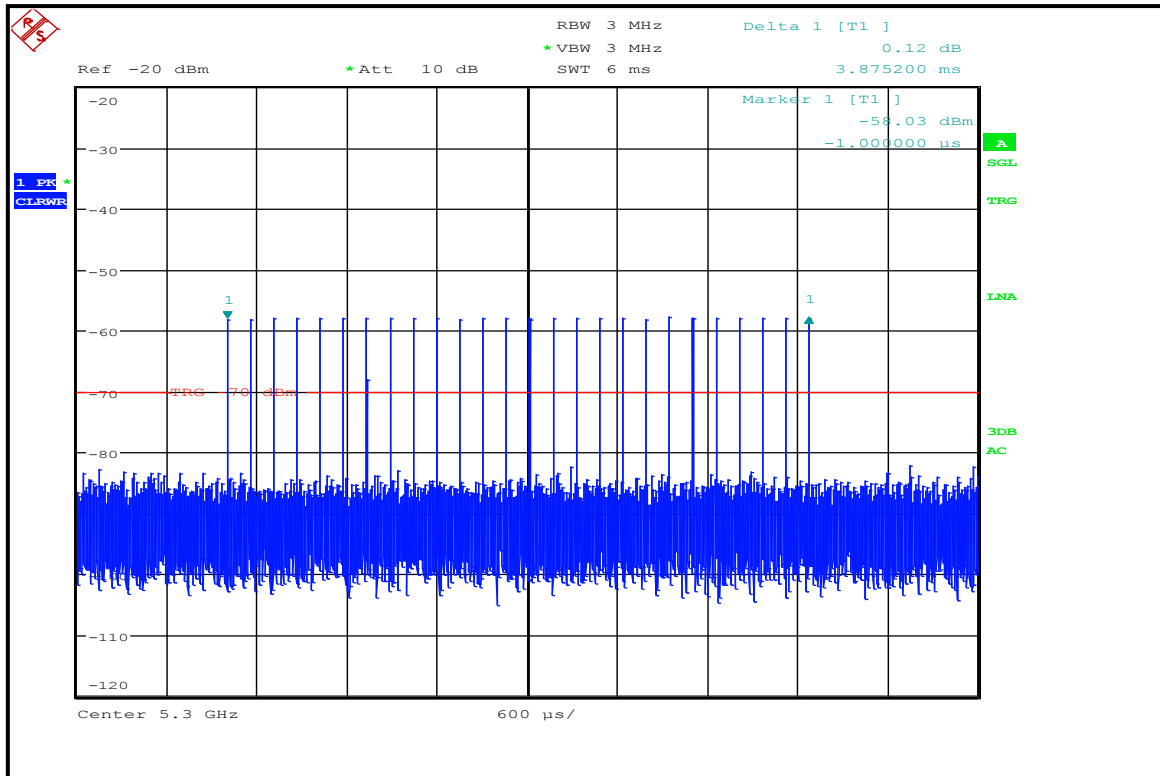


**Radar Verification**

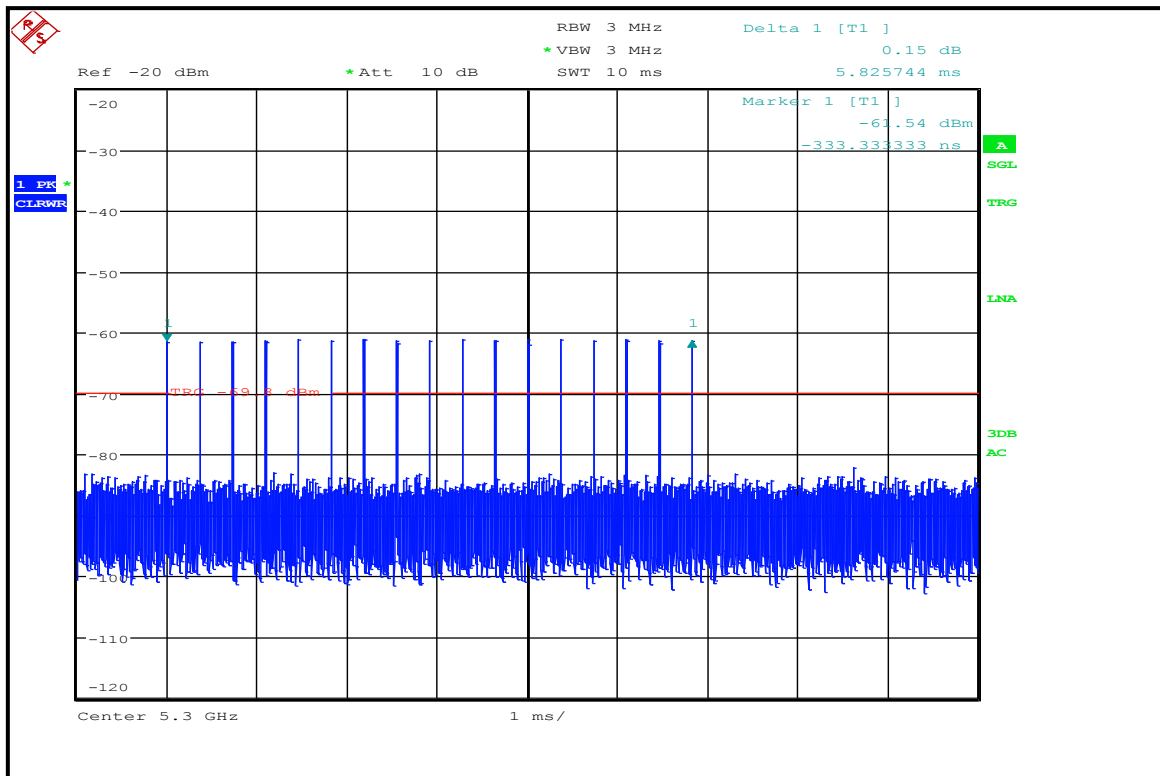
Below are sample plots of the radar waveforms showing timing properties. Once the path loss for the test network was found this was set in the DFS test system and the amplitude at the EUT receiver input could be adjusted as required.



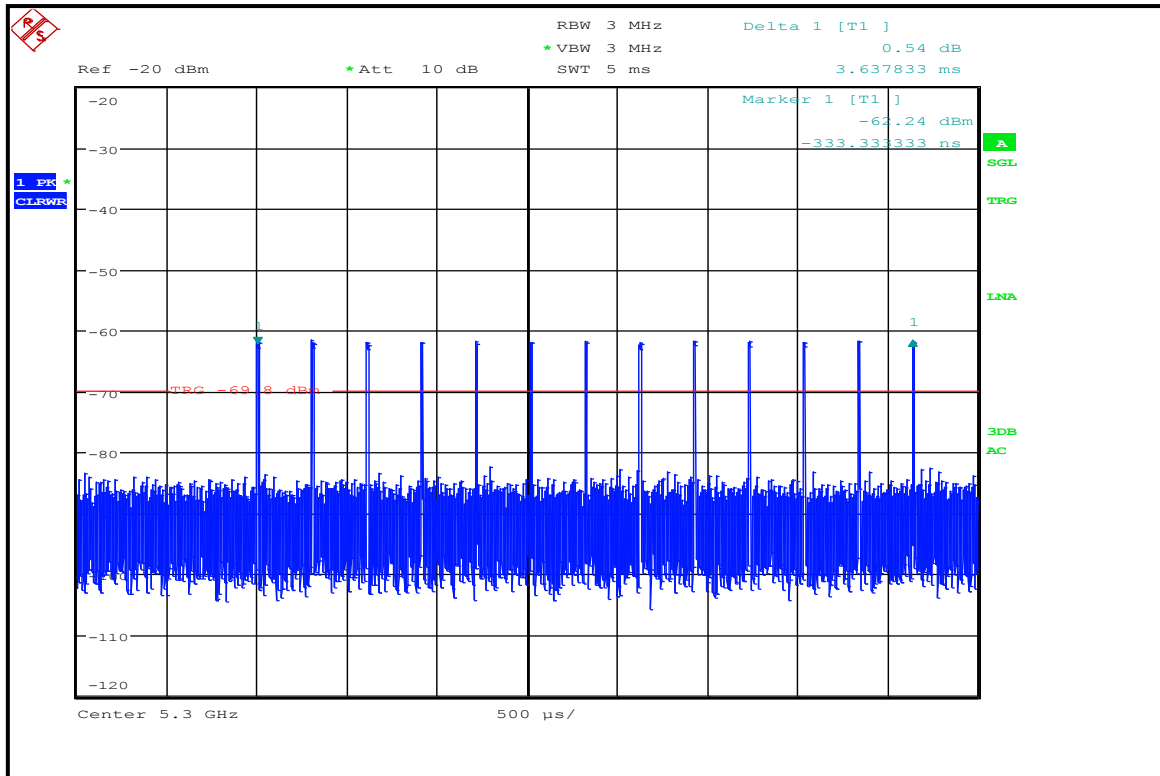
Radar Pulse 1



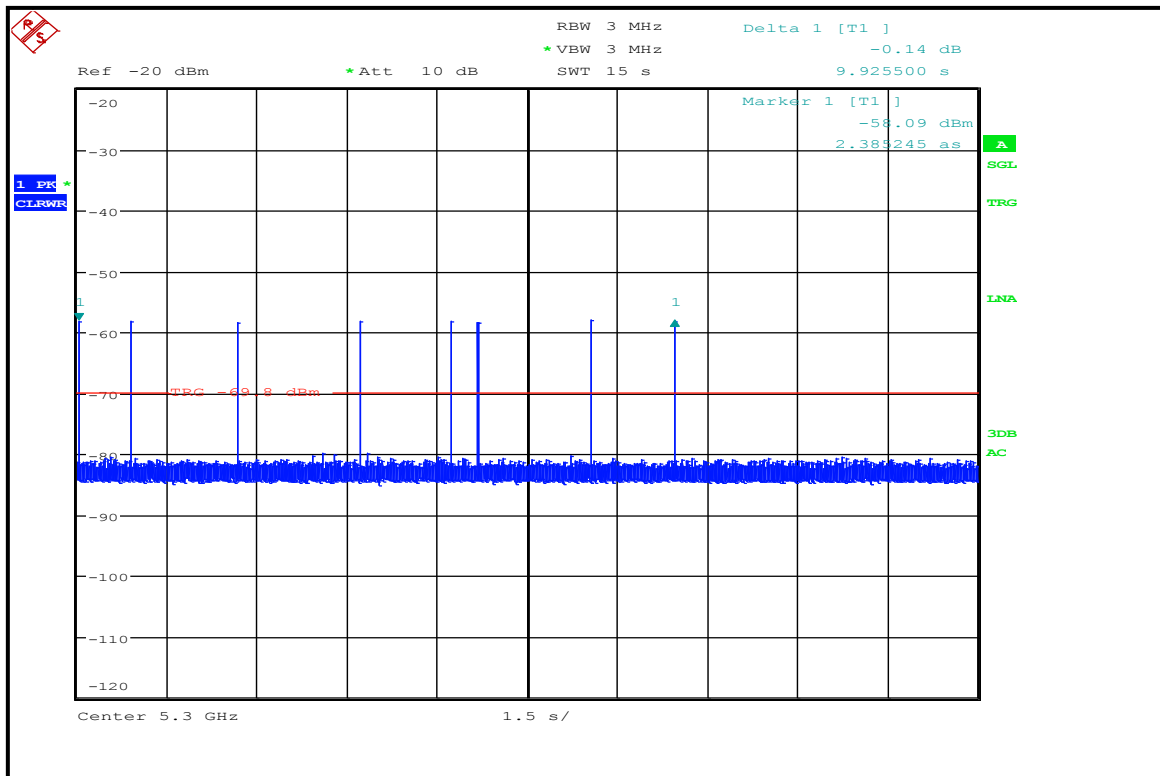
Radar Pulse 2



Radar Pulse 3



Radar Pulse 4



Long Radar Pulse 5





## **Appendix 4. Test platform confirmation email**

From: Andrew Leimer [<mailto:Andrew.Leimer@fcc.gov>]  
Sent: Friday, September 23, 2011 4:24 PM  
To: Chisham, Steve  
Cc: Carey, Tim; Hack, Barry; Rashmi Doshi; Joe Dichoso  
Subject: RE: Certification for Aeroflex DFS solution

Hello Steve,

The Aeroflex "DXI based DFS test solution" system used for DFS alternative radar signal generation has been approved by the FCC and NTIA.

This approval permits the system to be used by labs in the testing of DFS devices for equipment authorization Certification. It is recommended that applicants that use your system for testing include a statement in the Test Report or a Letter Exhibit stating that the system has FCC and NTIA approval. This E-mail is your record of this approval.

Note that the appropriate term for your system is Approved as the term Certification is reserved for devices gaining equipment authorization through the FCC or a TCB.

Regards,  
Andy Leimer

FCC/OET/EACB

## **Appendix 5. Statistical Performance Check– Radar Type 5 Trial Records**

### **20MHz – Trial 1**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	81	10	1802	-	387838
2	1	96	9	-	-	347076
3	2	51	7	1672	-	581728
4	3	85	8	1112	1180	736585
5	1	50	12	-	-	70345
6	1	75	6	-	-	640040
7	1	54	8	-	-	708649
8	2	56	12	1931	-	202094
9	2	89	8	1609	-	417241
10	3	99	20	1729	1702	585059
11	3	51	5	1833	1215	252295
12	2	67	7	1276	-	533554
13	3	98	6	1051	1351	114877
14	1	80	13	-	-	223004
15	3	72	17	1337	1957	250806

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 2**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	74	7	-	-	324356
2	3	69	18	1185	1048	294639
3	3	61	15	1100	1768	778772
4	3	89	9	1504	1472	511792
5	3	91	7	1162	1456	8711
6	2	63	12	1258	-	1396
7	3	66	15	1130	1262	162201
8	2	61	18	1303	-	618622
9	2	68	19	1178	-	117166
10	2	50	13	1689	-	647523
11	1	69	15	-	-	271240
12	1	82	19	-	-	691047
13	2	89	18	1413	-	185349
14	3	89	6	1847	1496	460225
15	3	63	14	1339	1050	272945

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 3**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	64	18	-	-	88885
2	1	97	14	-	-	127002
3	3	98	5	1791	1991	381185
4	2	68	9	1525	-	598963
5	1	56	8	-	-	269044
6	1	81	13	-	-	652140
7	3	77	12	1041	1612	661656
8	2	68	15	2000	-	302395
9	2	97	18	1041	-	562508
10	3	54	5	1506	1002	34089
11	3	66	18	1150	1290	426814
12	1	94	17	-	-	344562
13	3	99	14	1653	1372	600377
14	2	90	12	1205	-	662275
15	2	91	5	1966	-	139016
16	1	68	14	-	-	649774
17	2	50	20	1941	-	419276
18	1	61	12	-	-	470891

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 4**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	89	8	-	-	592423
2	3	99	9	1389	1473	580103
3	3	63	5	1797	1055	339577
4	2	91	7	1081	-	349961
5	3	65	18	1957	1750	618372
6	2	51	8	1679	-	592181
7	1	82	19	-	-	139267
8	1	95	8	-	-	626521
9	3	85	19	1652	1297	187981
10	3	59	19	1090	1646	265325
11	1	81	9	-	-	395136
12	2	68	20	1010	-	623272
13	2	68	9	1244	-	464777
14	1	69	19	-	-	527515
15	2	81	13	1192	-	86316
16	3	91	15	1538	1657	478605
17	3	88	19	1574	1256	416651
18	2	66	9	1745	-	518072
19	3	62	5	1316	1331	398604

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 5**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	56	14	1270	-	45764
2	3	51	18	1085	1488	410232
3	3	92	18	1325	1248	167799
4	3	72	15	1989	1074	653756
5	1	82	6	-	-	498832
6	3	66	8	1821	1525	156420
7	1	99	13	-	-	144759
8	2	85	8	1550	-	358627
9	2	99	19	1441	-	843464
10	1	79	20	-	-	757923
11	2	95	20	1420	-	446828
12	2	78	15	1959	-	172180
13	1	78	19	-	-	616060

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 6**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	80	18	1793	-	57527
2	2	58	8	1129	-	377432
3	2	87	7	1204	-	110505
4	2	57	10	1367	-	239920
5	2	60	18	1494	-	73465
6	2	96	16	1016	-	154830
7	3	84	9	1964	1790	204041
8	1	90	19	-	-	110220
9	1	83	18	-	-	518425
10	3	84	11	1421	1784	410265
11	1	61	13	-	-	181049
12	1	72	17	-	-	216821
13	3	74	16	1430	1215	555365
14	3	91	11	1204	1415	534522
15	2	68	11	1192	-	72240
16	3	69	20	1506	1438	138677
17	2	98	10	1082	-	383873
18	1	51	15	-	-	223233
19	2	92	6	1413	-	276294



**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 7**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	98	5	1171	-	165936
2	1	50	19	-	-	192500
3	3	91	10	1172	1326	30972
4	3	92	8	1266	1246	312535
5	3	90	7	1666	1409	352981
6	1	65	13	-	-	165993
7	1	88	9	-	-	344444
8	2	97	10	1188	-	27493
9	2	51	6	1276	-	535450
10	3	93	10	1307	1782	655838
11	3	57	8	1365	1598	94038
12	3	75	18	1647	1945	422401
13	3	78	17	1583	1893	536446
14	2	92	13	1050	-	149588
15	3	72	17	1524	1348	565246
16	2	59	17	1515	-	365486
17	2	94	13	1915	-	610911
18	1	51	18	-	-	231994

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 8**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	69	10	1720	-	10540
2	1	98	13	-	-	652767
3	3	74	18	1923	1430	846377
4	3	81	13	1654	1280	424598
5	1	56	8	-	-	163760
6	3	51	20	1890	1294	737271
7	3	85	18	1223	1055	415892
8	3	67	14	1605	1648	43291
9	2	53	13	1942	-	121241
10	3	55	16	1473	1175	62601
11	3	67	9	1123	1542	75272
12	1	99	15	-	-	381178
13	1	91	6	-	-	84512

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 9**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	3	68	18	1222	1033	807933
2	3	57	13	1137	1617	1182867
3	3	100	17	1607	1328	597119
4	2	95	19	1789	-	393105
5	1	62	11	-	-	754741
6	1	82	11	-	-	301551
7	2	93	19	1128	-	873553
8	3	62	7	1393	1119	244630
9	3	100	19	1093	1320	1186714
10	3	91	18	1313	1484	231524

**20MHz – Trial 10**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	52	13	-	-	968206
2	2	52	17	1510	-	134117
3	3	58	7	1965	1857	62778
4	3	53	10	1240	1779	669348
5	1	67	10	-	-	160815
6	1	82	7	-	-	827510
7	2	97	20	1657	-	593743
8	1	85	10	-	-	282100
9	2	67	9	1695	-	575804
10	1	88	20	-	-	356083
11	1	90	6	-	-	739361
12	3	62	11	1659	2000	696725

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 11**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	3	77	11	1667	1682	635014
2	3	60	12	1369	1805	449343
3	2	90	18	1893	-	565366
4	3	75	8	1587	1205	879293
5	2	67	17	1865	-	1176367
6	3	62	19	1052	1989	132791
7	2	100	20	1640	-	15330
8	1	57	13	-	-	568559
9	3	66	11	1667	1944	141866
10	2	98	15	1499	-	548669

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 12**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	90	19	1314	-	695508
2	2	99	12	1239	-	324513
3	3	69	9	1321	1850	711585
4	3	99	12	1089	1052	546855
5	3	58	19	1085	1921	644762
6	2	65	9	1554	-	396790
7	2	94	8	1035	-	243520
8	1	69	7	-	-	26501
9	1	78	14	-	-	22289
10	2	81	9	1397	-	82644
11	3	52	10	1573	1871	36578
12	3	69	18	1746	1102	99496
13	3	59	8	1858	1812	334787
14	2	96	13	1881	-	56063
15	3	50	12	1194	1597	676686
16	3	65	14	1970	1189	399564

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 13**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	96	5	-	-	122060
2	1	98	8	-	-	542987
3	1	96	9	-	-	319912
4	2	58	13	1173	-	523362
5	2	80	18	1970	-	398056
6	2	69	18	1133	-	405003
7	1	72	13	-	-	140575
8	3	82	16	1696	1900	381134
9	2	81	13	1640	-	377547
10	3	55	8	1822	1219	626125
11	1	56	20	-	-	419918
12	2	85	13	1696	-	304096
13	2	64	7	1473	-	95268
14	1	79	16	-	-	464635

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 14**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	3	74	15	1727	1096	608931
2	1	60	13	-	-	455973
3	2	58	5	1915	-	520838
4	3	66	13	1674	1166	666128
5	1	100	13	-	-	577177
6	1	72	6	-	-	373365
7	1	62	11	-	-	466997
8	1	77	9	-	-	350738
9	2	95	14	1543	-	351624
10	1	52	19	-	-	324320
11	1	63	16	-	-	97926
12	3	52	6	1376	1781	378899
13	2	55	19	1869	-	299121
14	3	84	9	1401	1064	357034
15	3	69	12	1476	1925	449329
16	1	81	12	-	-	96894
17	3	82	10	1973	1184	249184

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 15**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	60	10	1285	-	287733
2	3	89	11	1489	1017	182775
3	2	92	16	1649	-	783460
4	3	66	18	1249	1663	864447
5	2	50	17	1332	-	370522
6	2	74	13	1896	-	221471
7	2	64	19	1205	-	692350
8	1	82	11	-	-	651024
9	1	72	14	-	-	786338
10	1	81	11	-	-	277415
11	3	70	15	1311	1105	669339
12	2	90	9	1533	-	902857
13	2	62	19	1939	-	112103



**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 16**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	3	78	18	1444	1099	435728
2	3	74	13	1570	1505	469419
3	1	86	16	-	-	2467
4	1	85	7	-	-	142730
5	3	75	13	1429	1418	269626
6	3	83	17	1455	1196	296499
7	2	95	5	1065	-	323212
8	3	84	15	1972	1832	334720
9	1	98	5	-	-	82713
10	3	63	14	1022	1192	474629
11	3	51	12	1000	1429	15515
12	2	52	5	1676	-	53070
13	2	50	9	1268	-	400767
14	2	73	10	1025	-	279784
15	1	54	19	-	-	236198
16	2	71	10	1874	-	228898
17	1	72	5	-	-	421351
18	2	94	13	1064	-	66582
19	3	51	15	1934	1156	282238
20	3	97	16	1870	1146	367902

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 17**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	58	10	1618	-	1241867
2	2	80	20	1609	-	444485
3	1	83	12	-	-	874629
4	2	65	15	1403	-	152715
5	2	68	13	1993	-	1105670
6	1	97	12	-	-	812632
7	2	85	12	1728	-	1020166
8	1	89	18	-	-	500399
9	3	97	20	1458	1165	295266

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 18**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	64	16	1817	-	292186
2	2	52	12	1031	-	22921
3	3	55	7	1496	1285	697600
4	1	100	11	-	-	639695
5	3	72	19	1357	1875	373170
6	3	84	12	1119	1126	132343
7	1	65	10	-	-	38522
8	1	82	8	-	-	642341
9	2	99	16	1734	-	233193
10	3	83	19	1714	1940	628209
11	2	88	10	1809	-	21606
12	2	67	20	1884	-	494681
13	2	100	19	1907	-	407713
14	3	94	7	1230	1753	320953
15	3	75	8	1914	1744	109166
16	1	60	18	-	-	36388
17	3	77	8	1666	1426	1723

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 19**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	83	19	-	-	600865
2	1	60	9	-	-	841434
3	3	92	17	1876	1785	634021
4	2	59	12	1657	-	230264
5	1	95	9	-	-	200036
6	1	87	5	-	-	558160
7	2	73	15	1240	-	131102
8	3	70	17	1565	1856	645015
9	2	64	20	1932	-	819973
10	1	63	10	-	-	70298
11	1	74	10	-	-	674355
12	1	58	19	-	-	505853
13	1	72	14	-	-	826588
14	1	78	18	-	-	444525

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 20**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	80	6	1391	-	1248237
2	3	66	15	1164	1984	137051
3	3	66	19	1042	1407	1243977
4	2	98	6	1900	-	306757
5	3	93	17	1764	1132	366527
6	3	60	16	1097	1413	1146132
7	3	84	8	1691	1371	736850
8	1	55	18	-	-	231022
9	3	81	16	1527	1538	741225

**20MHz – Trial 21**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	97	11	-	-	197681
2	2	80	8	1588	-	173651
3	3	52	19	1966	1254	6034
4	2	73	7	1367	-	162122
5	1	99	11	-	-	103607
6	3	69	18	1023	1177	49163
7	2	87	8	1840	-	515256
8	1	50	15	-	-	383006
9	1	50	6	-	-	197217
10	3	98	8	1880	1920	822761
11	1	62	10	-	-	170560
12	2	55	8	1533	-	296777

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 22**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	3	89	8	1410	1124	166653
2	1	83	7	-	-	681019
3	3	77	17	1782	1294	134690
4	1	89	14	-	-	133878
5	2	75	19	1197	-	94467
6	3	62	14	1839	1725	252535
7	2	86	9	1411	-	270518
8	3	85	6	1586	1641	511461
9	3	59	20	1535	1443	533157
10	3	62	20	1467	1911	139966
11	3	73	19	1007	1308	296666
12	3	88	18	1401	1463	176356
13	3	77	10	1000	1335	412723

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 23**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	75	5	-	-	530769
2	3	60	14	1359	1664	485419
3	2	88	17	1730	-	395899
4	2	98	11	1804	-	270815
5	3	83	19	1738	1353	504538
6	3	86	19	1208	1877	641319
7	2	89	18	1648	-	559054
8	3	57	17	1741	1964	191595
9	1	61	15	-	-	462773
10	2	63	6	1426	-	410259
11	2	53	20	1387	-	432122
12	1	70	5	-	-	283384
13	3	73	12	1815	1678	158442
14	1	93	19	-	-	456881
15	1	63	20	-	-	454492
16	3	69	18	1511	1704	43911
17	2	72	17	1783	-	206714

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 24**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	91	12	1034	-	505539
2	1	57	11	-	-	884240
3	2	91	8	1550	-	423187
4	2	80	10	1453	-	194681
5	1	77	11	-	-	164508
6	1	89	17	-	-	695259
7	3	53	11	1657	1673	519222
8	1	88	8	-	-	368479
9	3	57	19	1116	1597	757441
10	1	78	14	-	-	960675
11	1	72	16	-	-	99861
12	2	79	20	1848	-	42089



**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 25**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	62	16	1620	-	154711
2	2	74	18	1144	-	541865
3	1	83	11	-	-	178254
4	2	65	9	1201	-	700796
5	2	95	12	1196	-	611293
6	2	75	10	1308	-	232079
7	1	77	12	-	-	541145
8	2	95	15	1412	-	221448
9	3	63	9	1433	1415	644400
10	3	81	6	1496	1631	26109
11	1	89	19	-	-	286545
12	3	51	5	1913	1204	533064
13	1	58	13	-	-	43892
14	1	90	20	-	-	604519
15	2	92	19	1984	-	218219
16	3	69	12	1037	1333	81027

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 26**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	92	15	1275	-	516963
2	3	77	10	1813	1869	378309
3	2	54	8	1241	-	77567
4	3	68	15	1906	1681	170815
5	1	90	7	-	-	216674
6	2	61	5	1317	-	656202
7	3	90	11	1285	1184	325295
8	1	64	11	-	-	176203
9	2	100	12	1270	-	265943
10	3	54	12	1259	1555	451940
11	2	60	6	1171	-	451840
12	3	57	12	1287	1307	221510
13	2	95	18	1696	-	454510
14	3	52	15	1632	1075	182766
15	2	54	9	1675	-	345541
16	3	72	11	1792	1746	505240
17	1	53	14	-	-	195153
18	1	75	14	-	-	82113

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 27**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	98	9	-	-	331517
2	2	71	16	1208	-	123284
3	2	82	19	1606	-	248609
4	2	51	19	1004	-	244566
5	2	50	19	1515	-	390702
6	3	79	17	1095	1391	529489
7	2	51	13	1245	-	102429
8	3	91	17	1081	1096	21067
9	1	60	11	-	-	75413
10	3	85	16	1038	1259	136987
11	2	62	16	1811	-	146888
12	2	84	17	1016	-	432287
13	2	91	11	1829	-	404915
14	2	68	8	1878	-	144141
15	1	97	9	-	-	248589
16	3	85	6	1474	1895	581758
17	1	52	7	-	-	394117
18	1	90	17	-	-	290002

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 28**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	57	5	-	-	38524
2	2	71	11	1814	-	347828
3	2	71	10	1480	-	96358
4	1	53	14	-	-	578734
5	2	50	13	1336	-	121856
6	3	57	14	1552	1686	475237
7	3	91	14	1926	1287	378910
8	1	56	18	-	-	494069
9	3	69	19	1523	1971	279431
10	2	80	19	1089	-	314407
11	2	92	12	1418	-	245883
12	3	97	7	1925	1871	519493
13	3	50	17	1683	1802	246898
14	1	76	20	-	-	557605
15	3	57	11	1633	1637	485241
16	1	70	14	-	-	590048
17	2	80	9	1303	-	596660
18	1	75	19	-	-	437489
19	1	50	19	-	-	571620
20	1	83	18	-	-	431201

**Statistical Performance Check– Radar Type 5 Trial Records (continued)****20MHz – Trial 29**

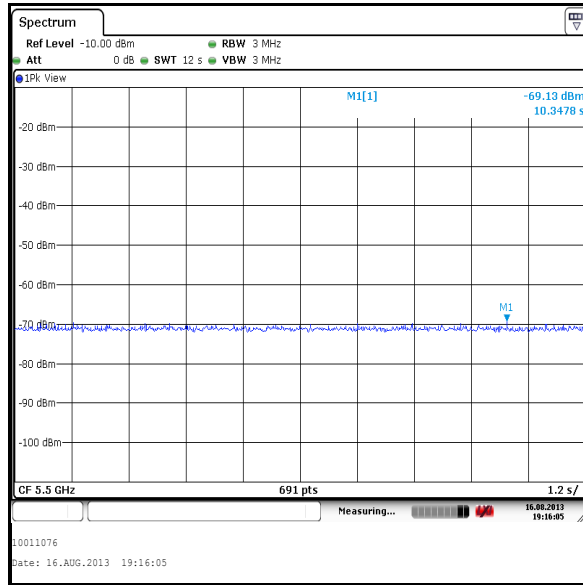
Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	2	56	11	1370	-	135953
2	2	88	15	1048	-	855170
3	3	54	16	1734	1323	965019
4	1	56	16	-	-	546679
5	3	81	19	1317	1797	892779
6	3	90	8	1318	1972	835952
7	1	98	16	-	-	520548
8	2	64	12	1676	-	597888
9	1	56	16	-	-	111323
10	2	72	9	1611	-	71407
11	3	77	6	1217	1601	47111

**20MHz – Trial 30**

Burst Segment	Number of Pulses	Pulse Width (usec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (usec)	Pulse 2-to-3 Spacing (usec)	Starting Location Within Interval (usec)
1	1	79	9	-	-	802122
2	3	75	16	1814	1005	1194487
3	3	100	18	1303	1929	783752
4	1	98	10	-	-	591223
5	1	60	7	-	-	455278
6	2	58	6	1456	-	522953
7	2	94	10	1691	-	310816
8	2	86	7	1007	-	695370
9	3	70	19	1096	1639	820689
10	1	88	17	-	-	1119870

### Appendix 6. System Noise floor Reference Plots

As required by section 8.3.18(iii) of FCC 06-96, the following plots show the reference noise floor of the system used during measurement.



Noise floor of test system