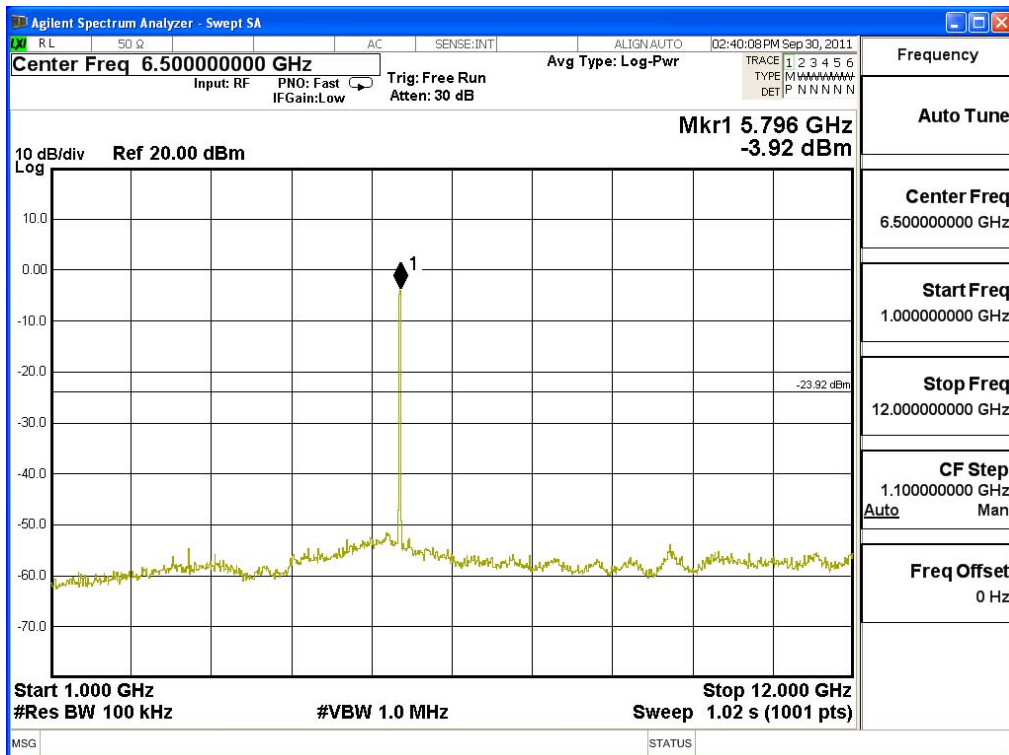
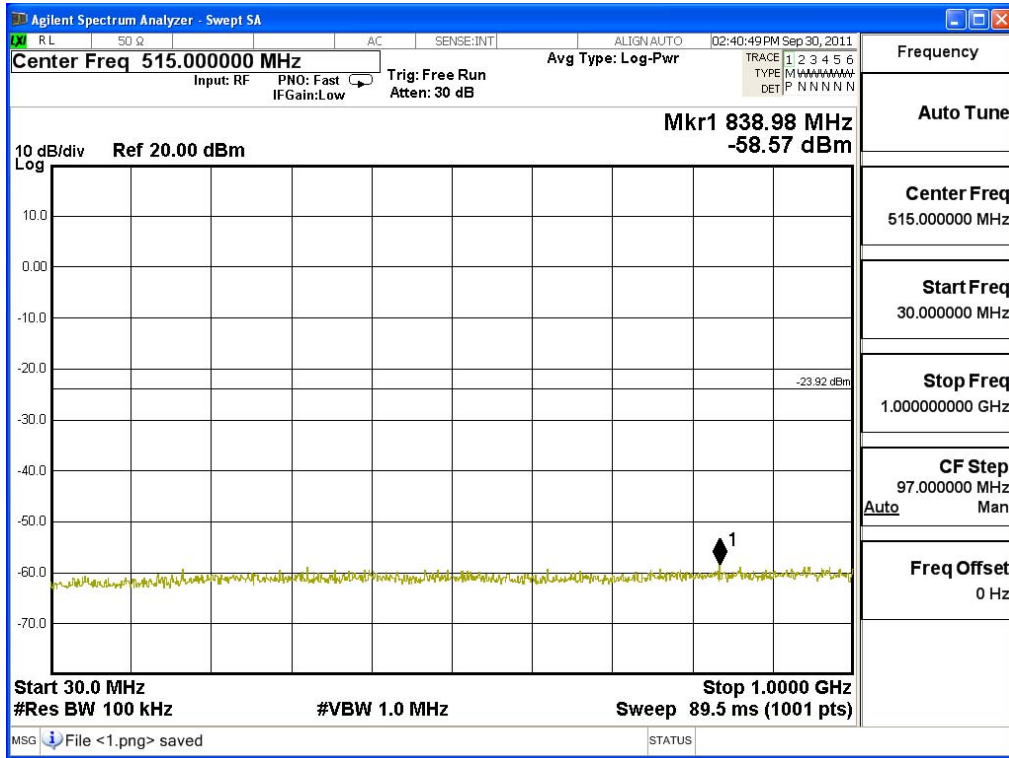
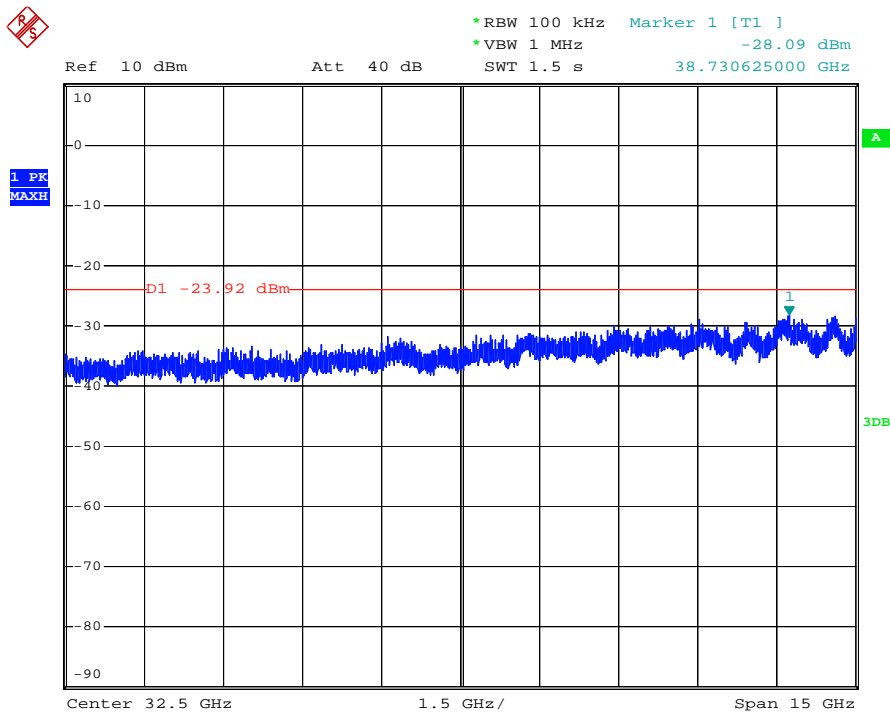
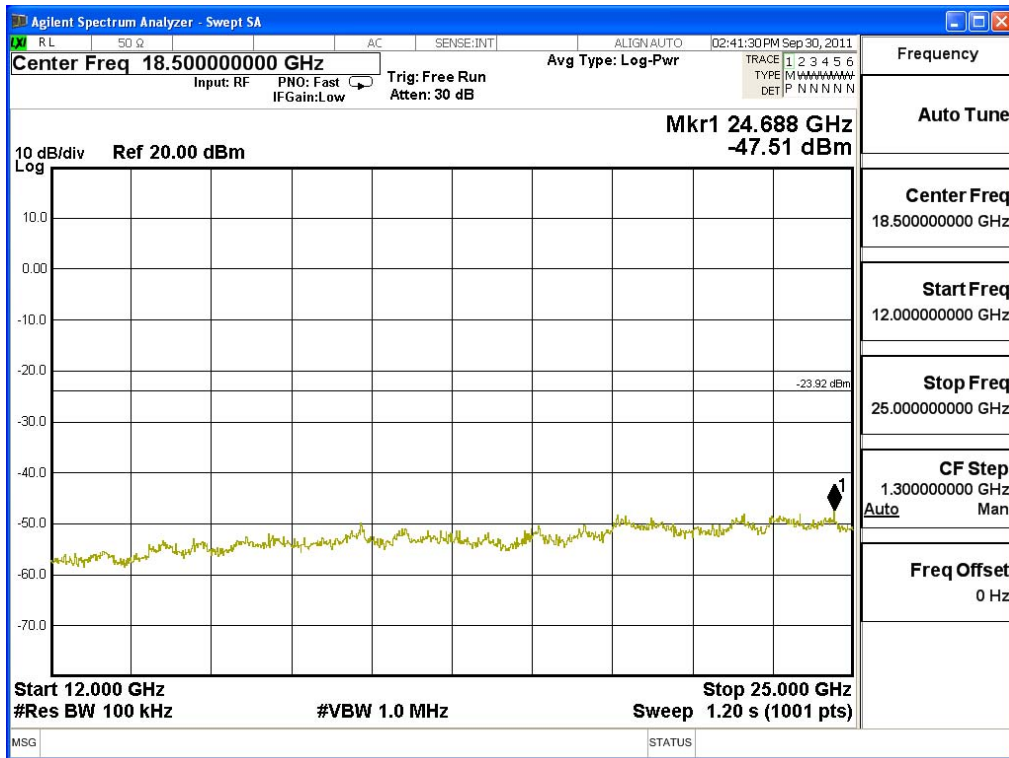


**Channel 157 (5785MHz) 30MHz -40GHz-Chain D**

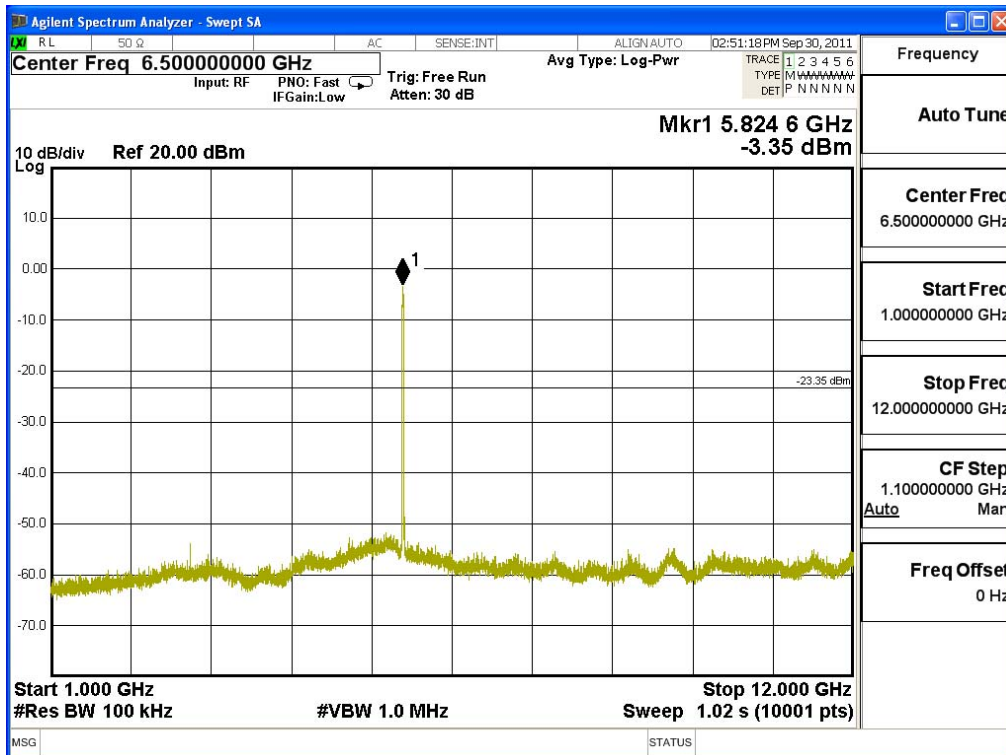
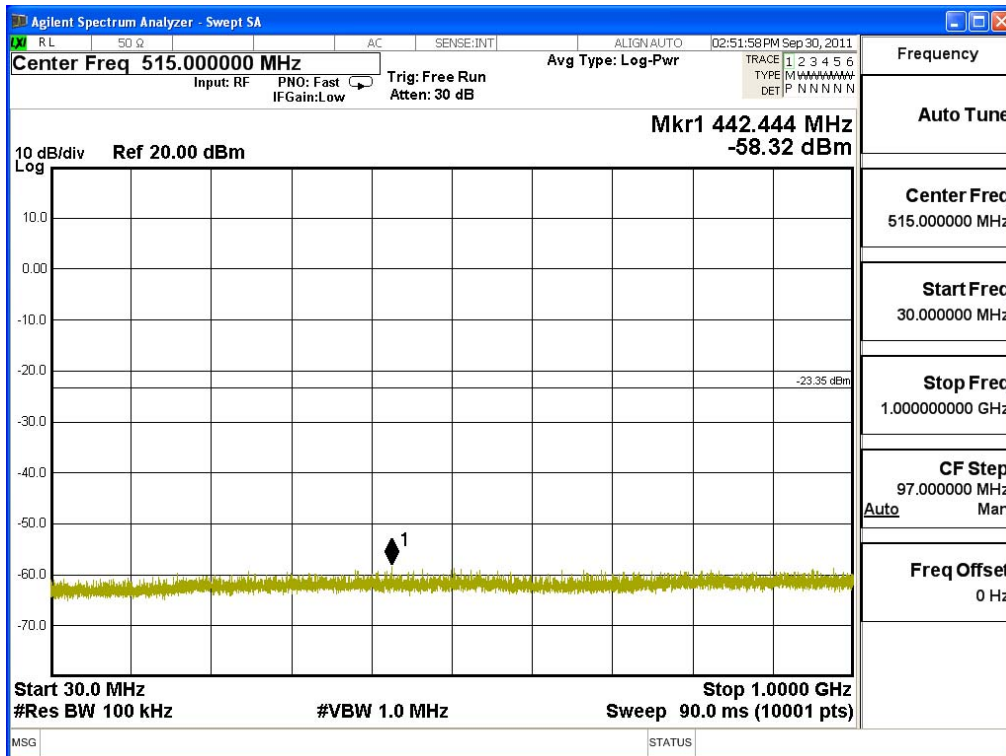


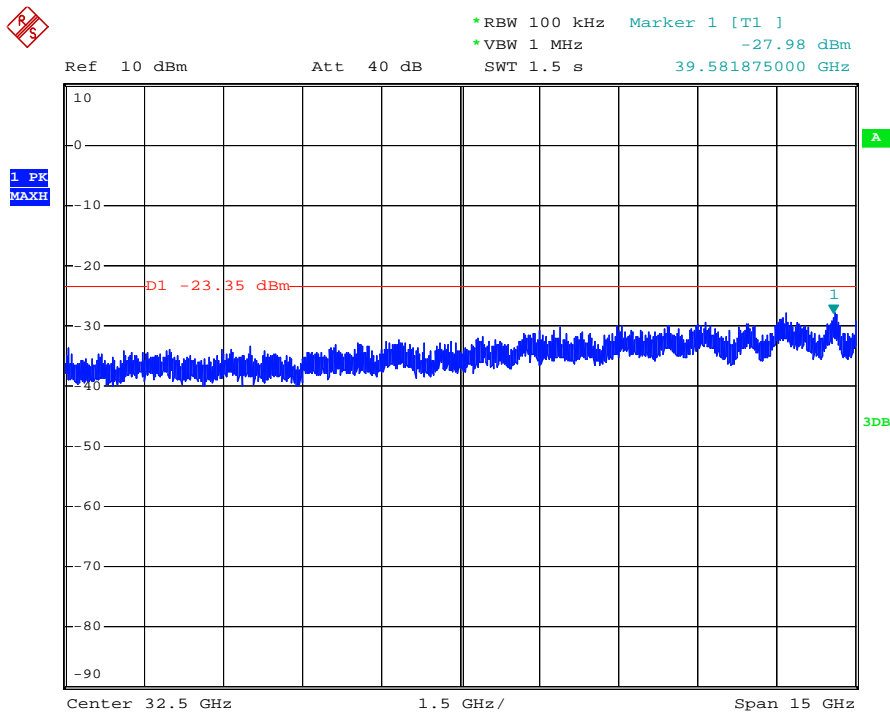
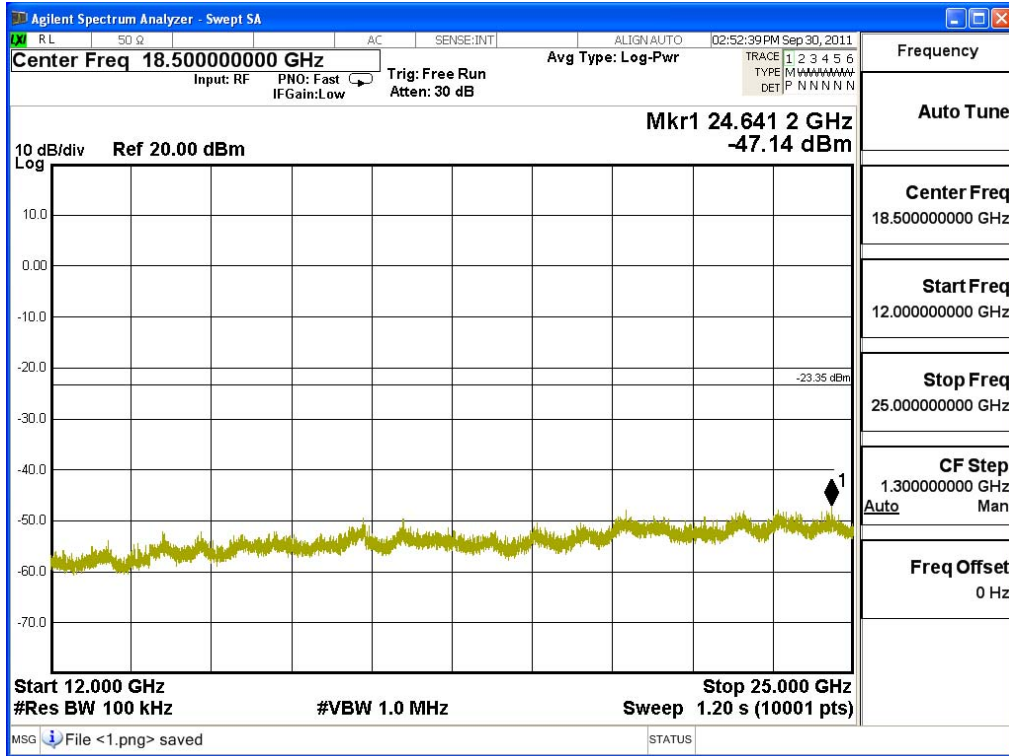


5190B-2

Date: 6.OCT.2011 03:31:40

**Channel 165 (5825MHz) 30MHz -40GHz-Chain D**



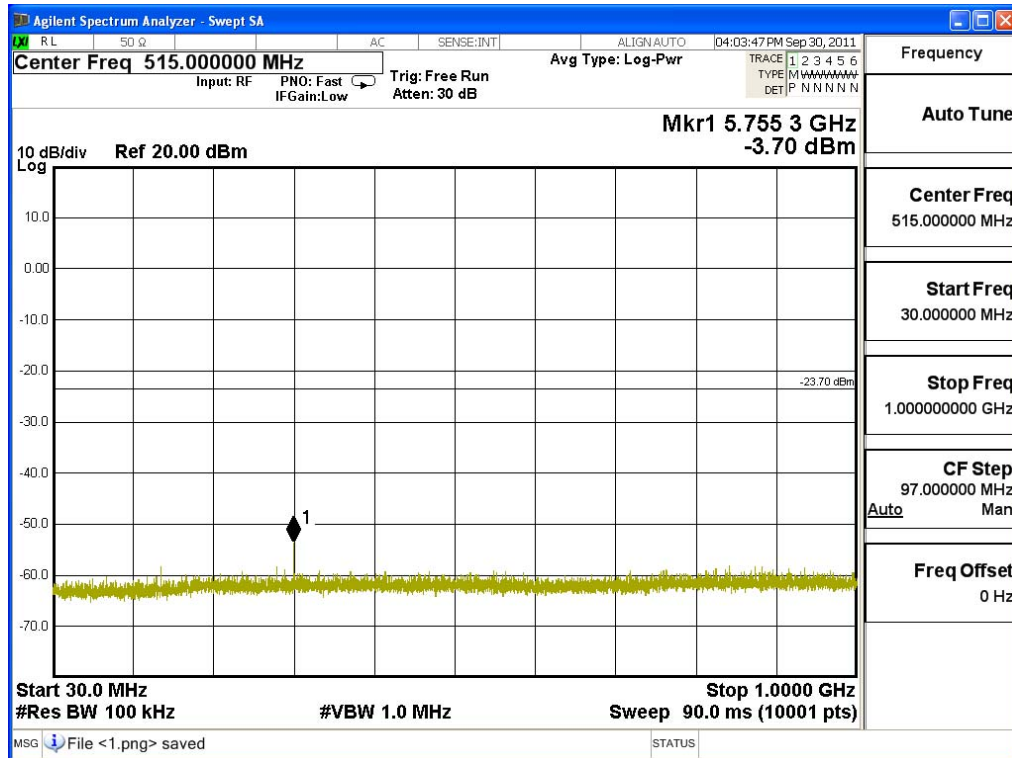


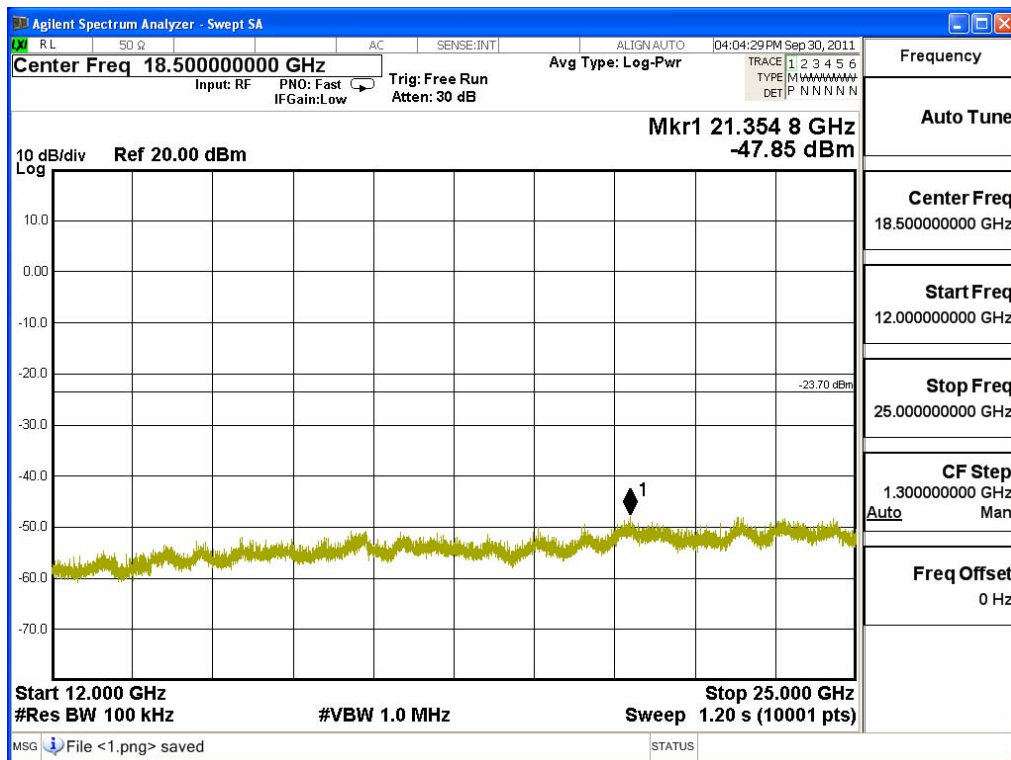
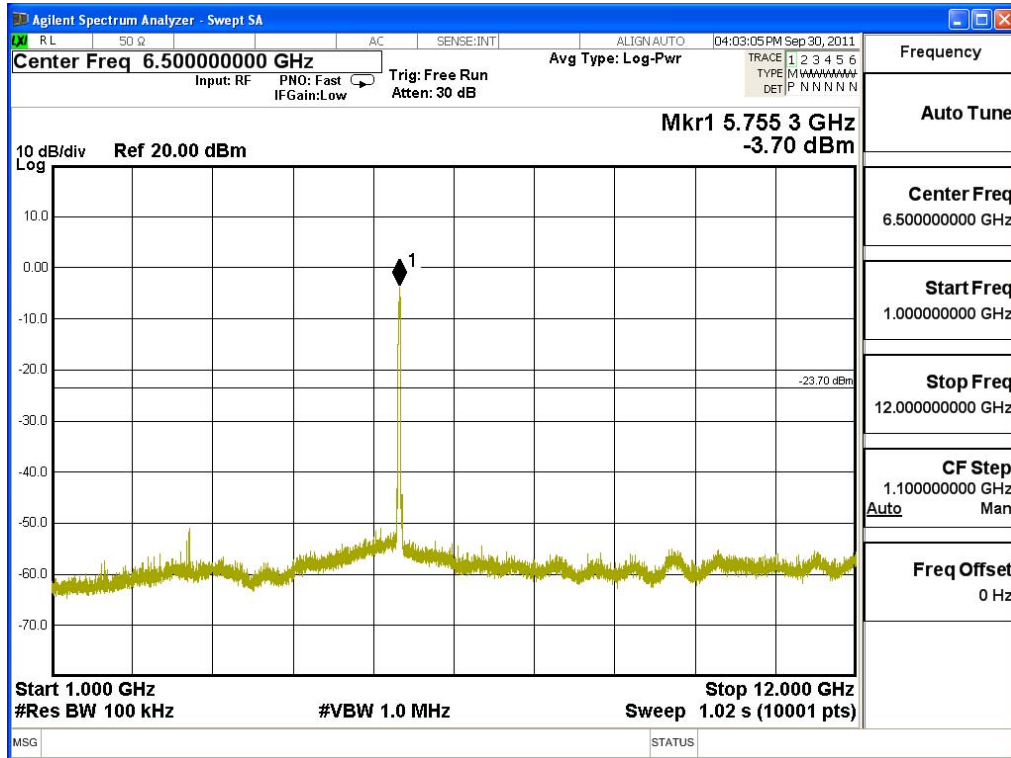
5190B-2

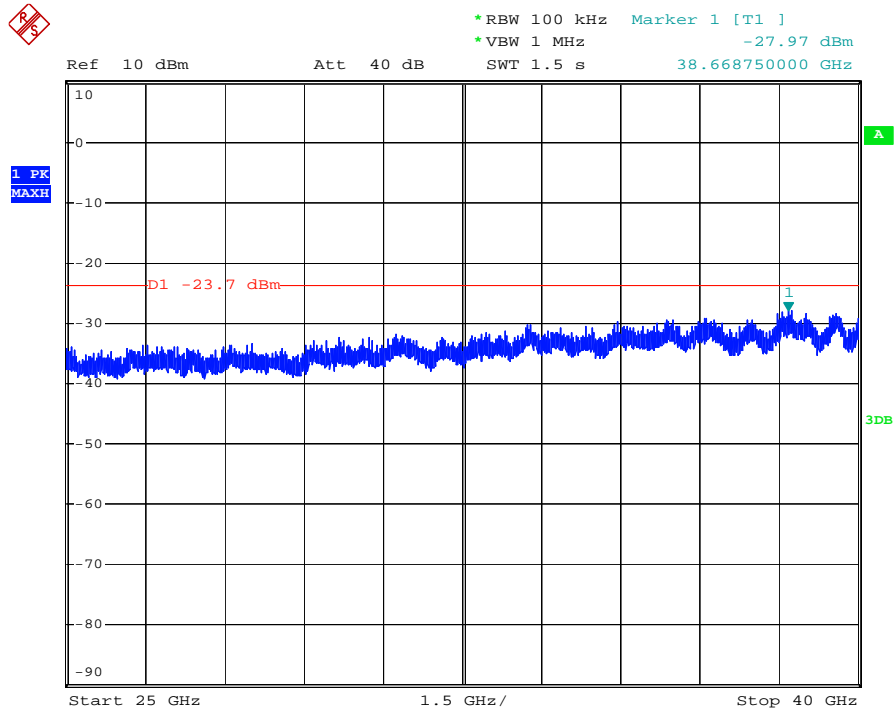
Date: 6.OCT.2011 03:35:47

Product : WHDI Tx board  
 Test Item : RF Antenna Conducted Spurious  
 Test Site : No.3 OATS  
 Test Mode : Mode 2: Transmit (63Mbps 40MBW)

**Channel 151 (5755MHz) 30MHz -40GHz-Chain A**



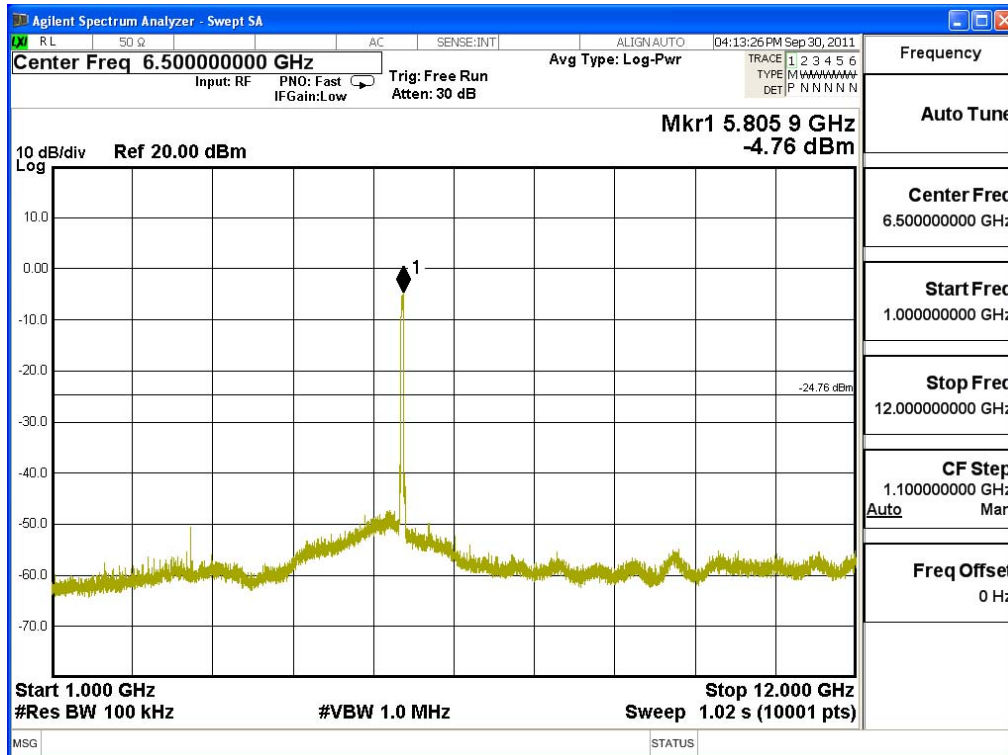
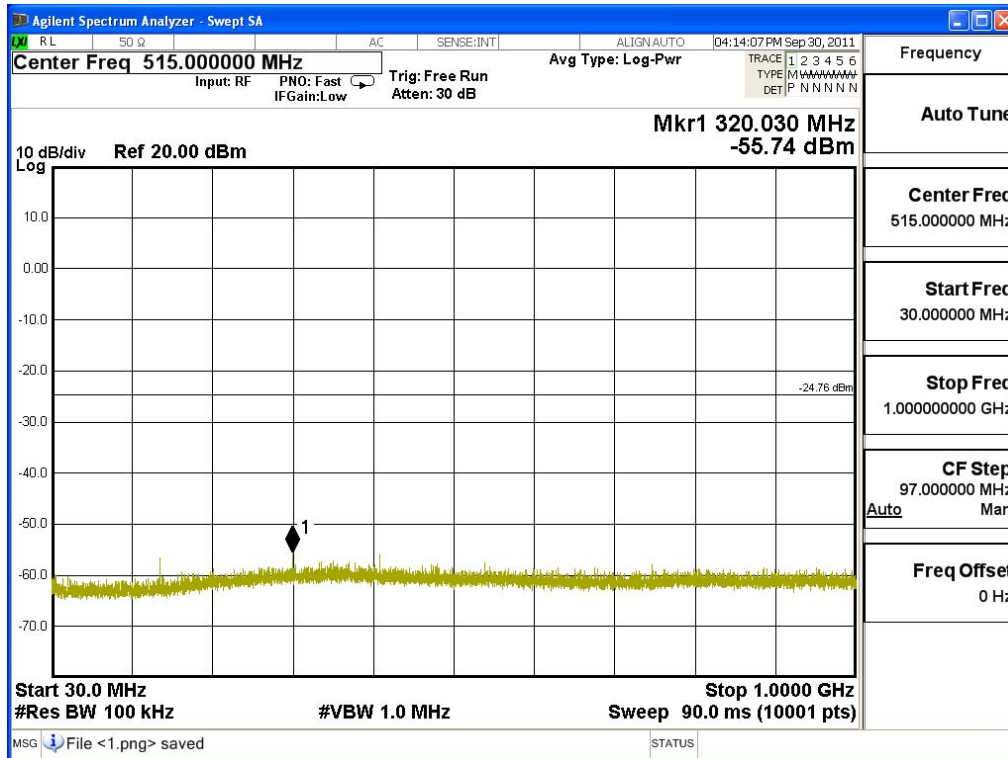




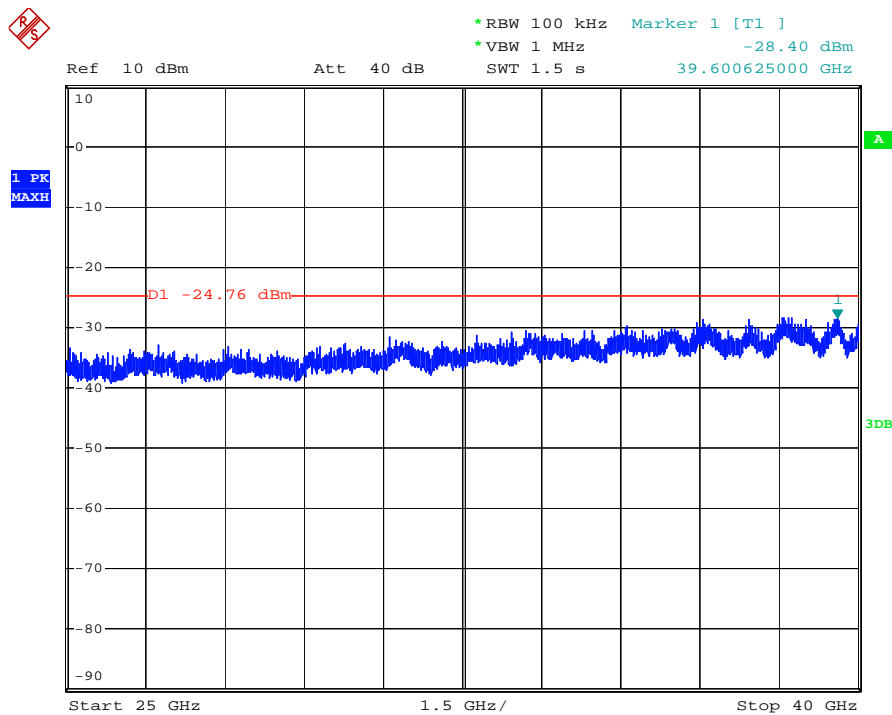
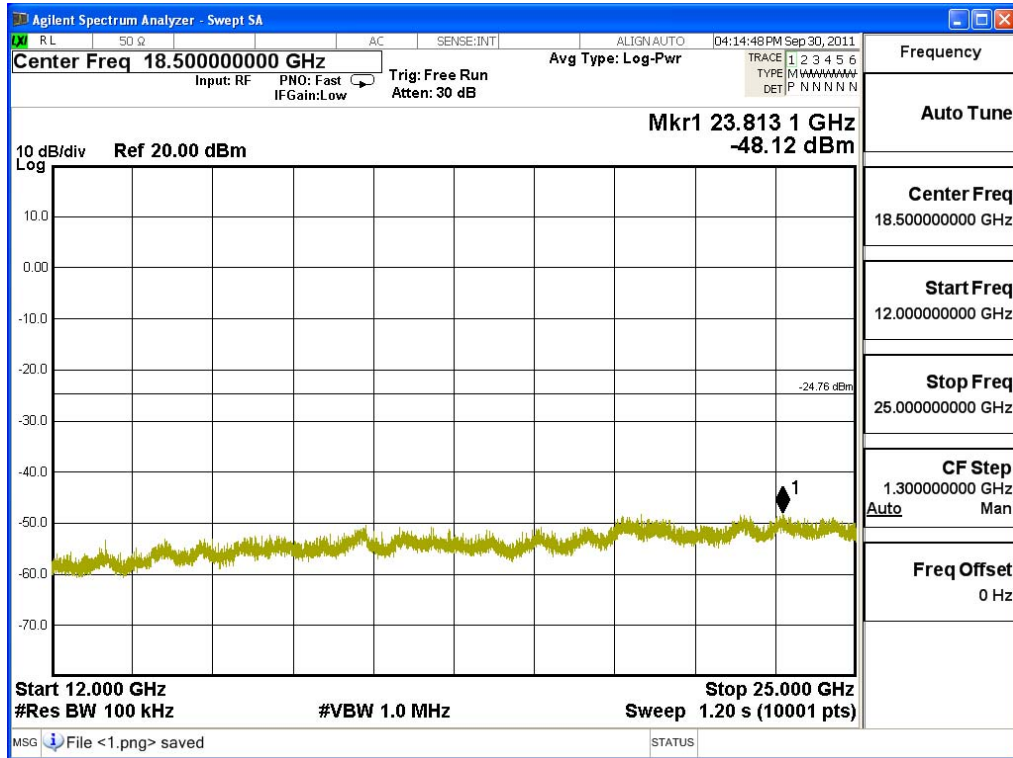
5190B-2

Date: 6.OCT.2011 03:37:15

**Channel 159 (5795MHz) 30MHz -40GHz-Chain A**



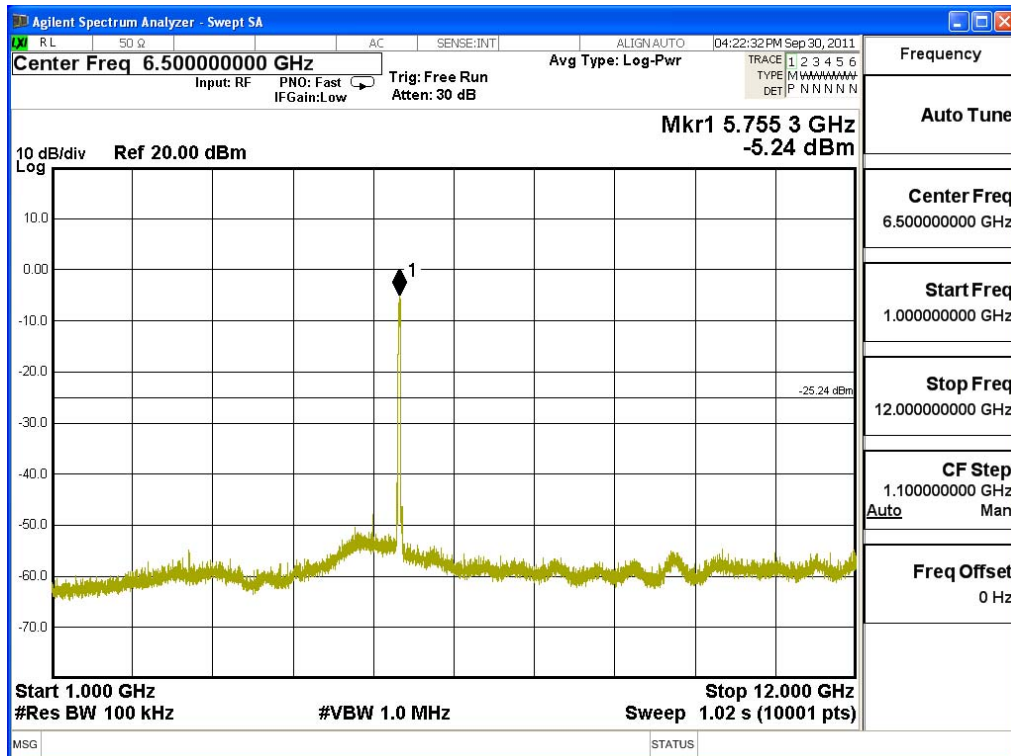
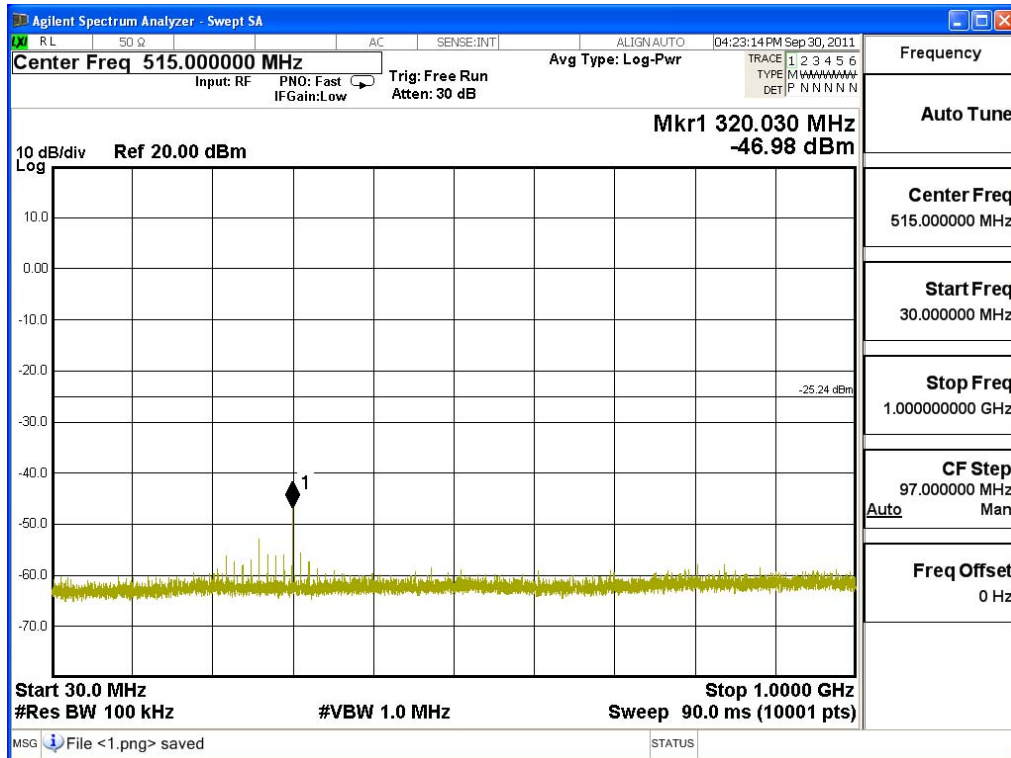


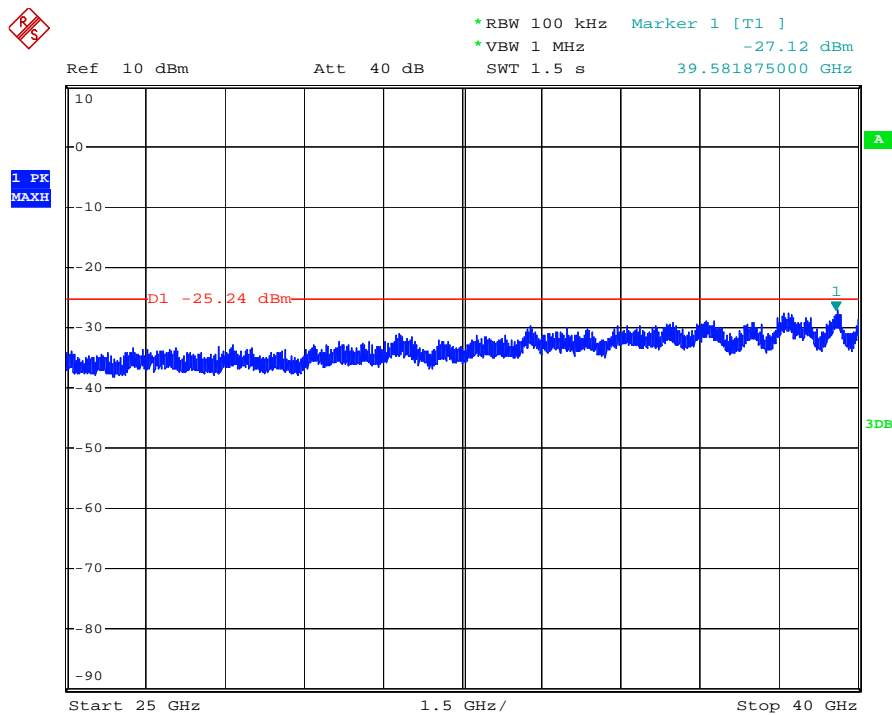
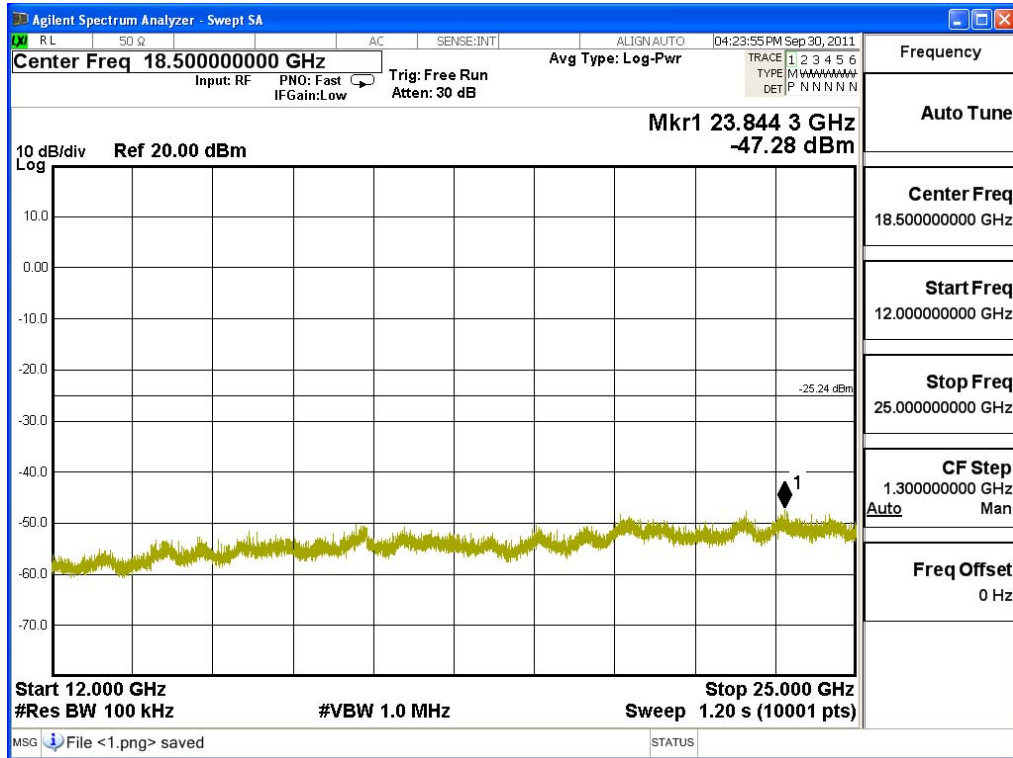


5190B-2

Date: 6.OCT.2011 03:40:21

**Channel 151 (5755MHz) 30MHz -40GHz-Chain B**

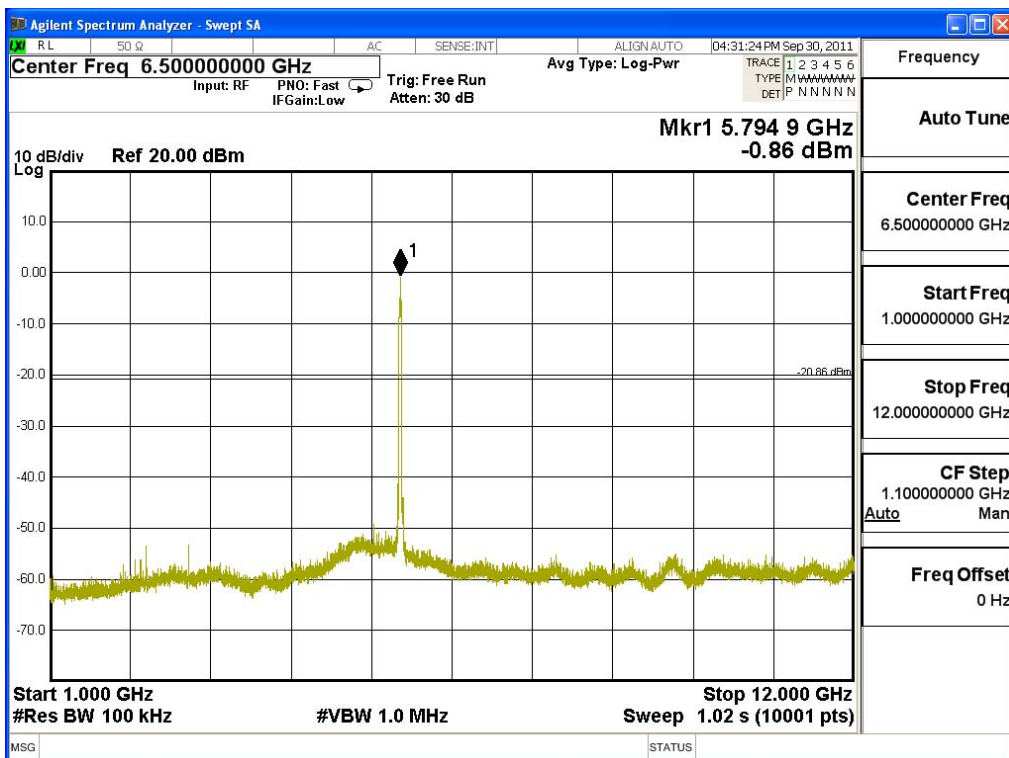
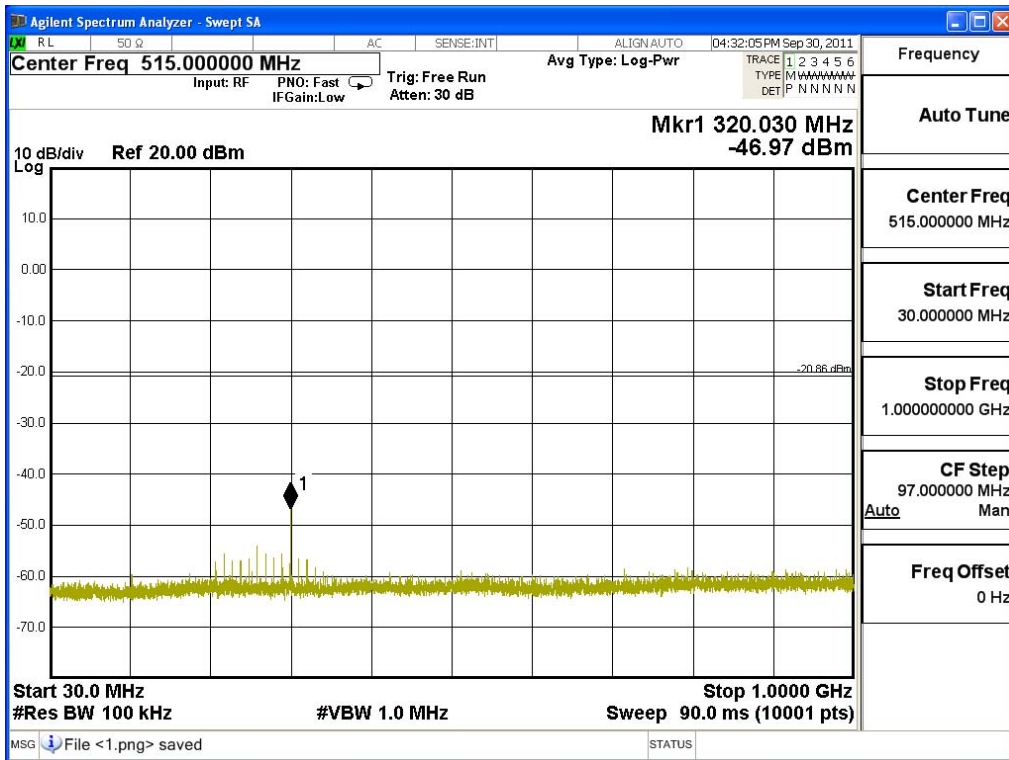


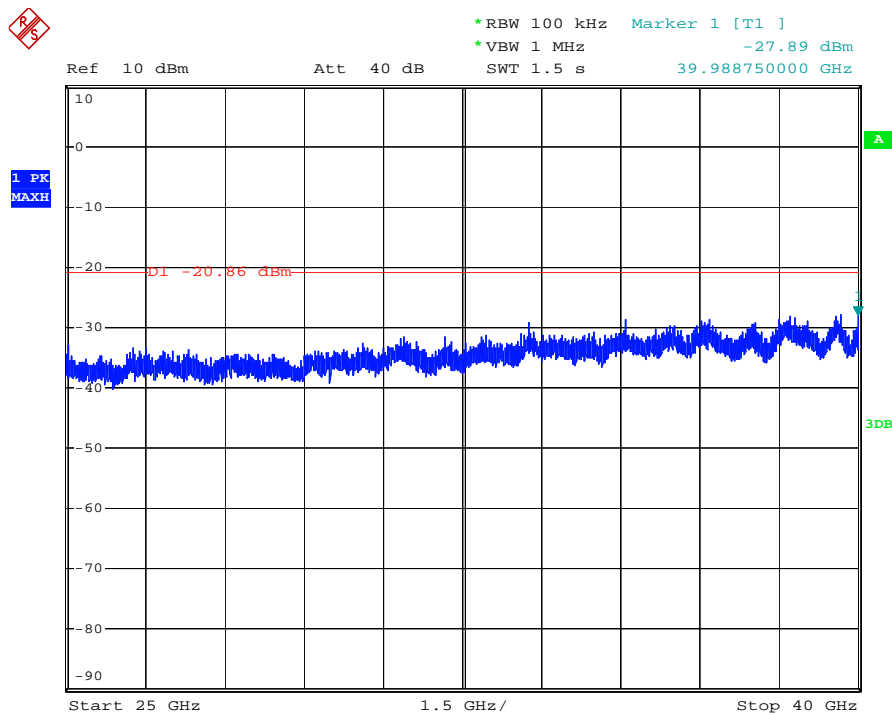
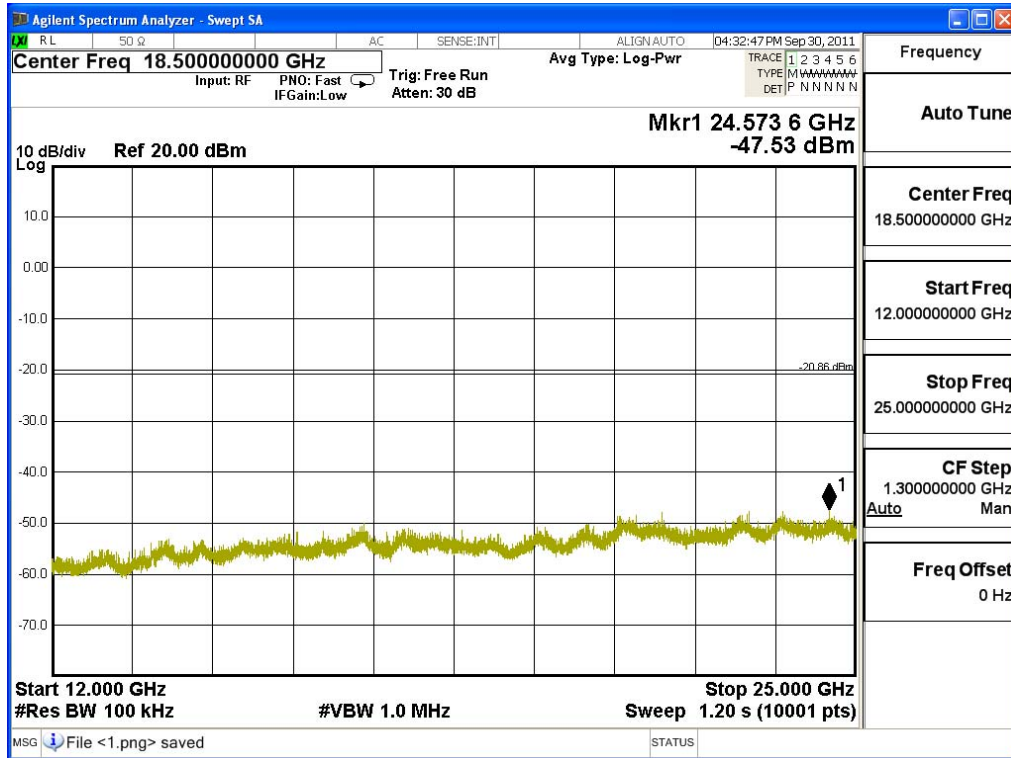


5190B-2

Date: 6.OCT.2011 03:38:08

**Channel 159 (5795MHz) 30MHz -40GHz-Chain B**

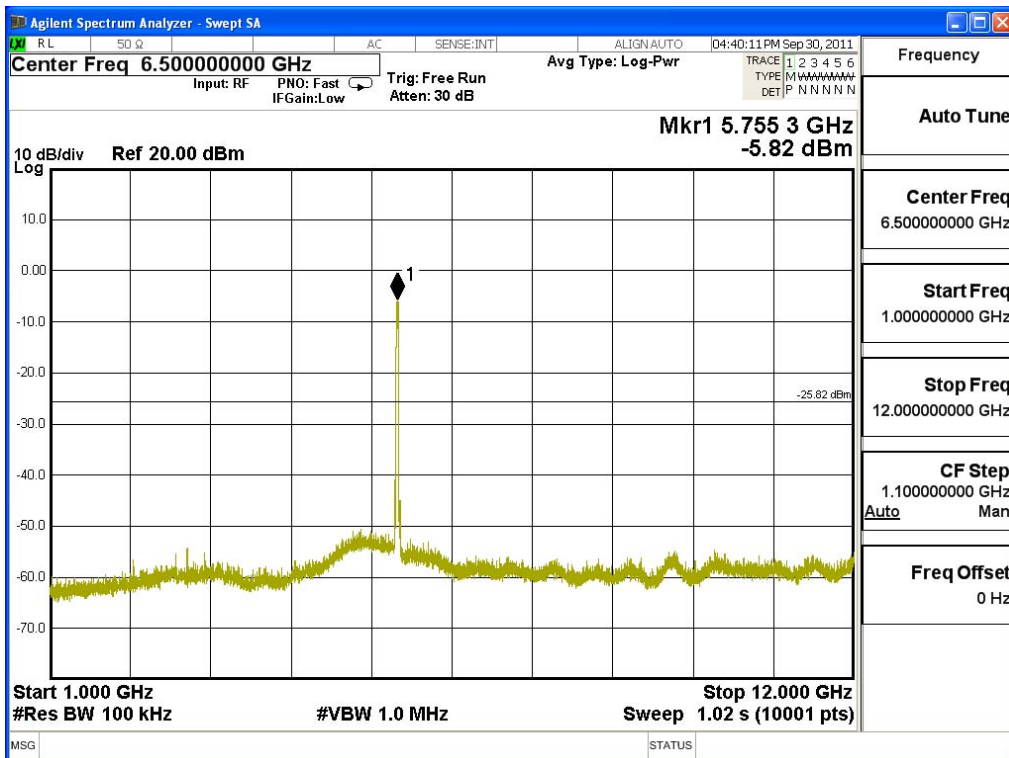
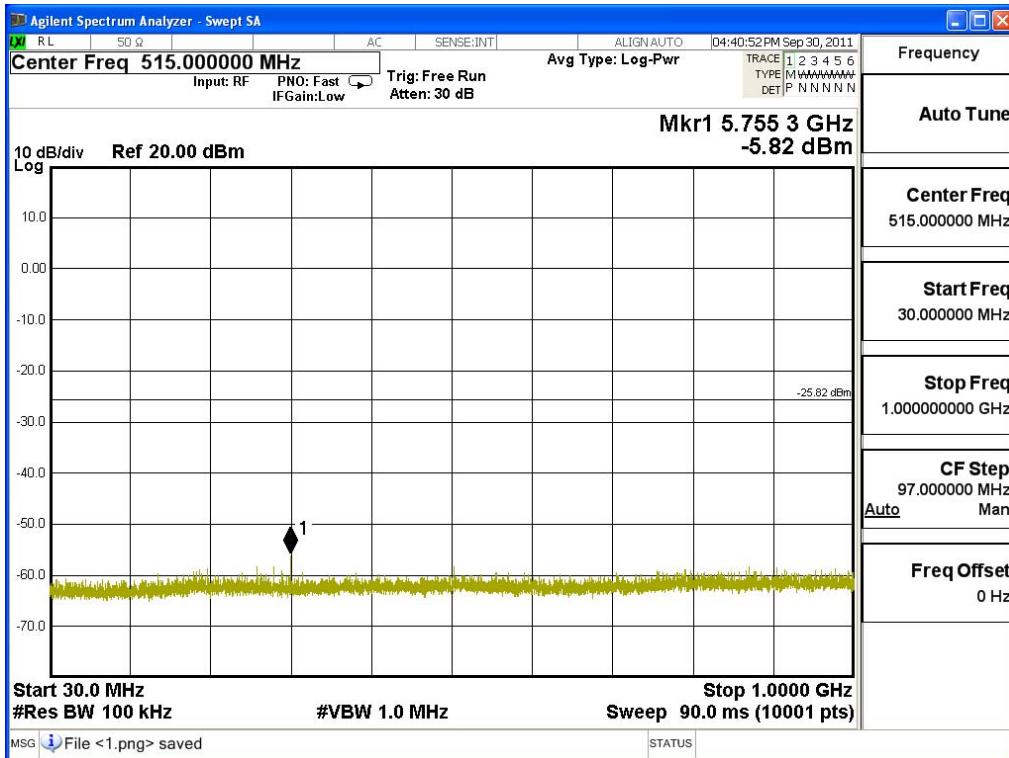


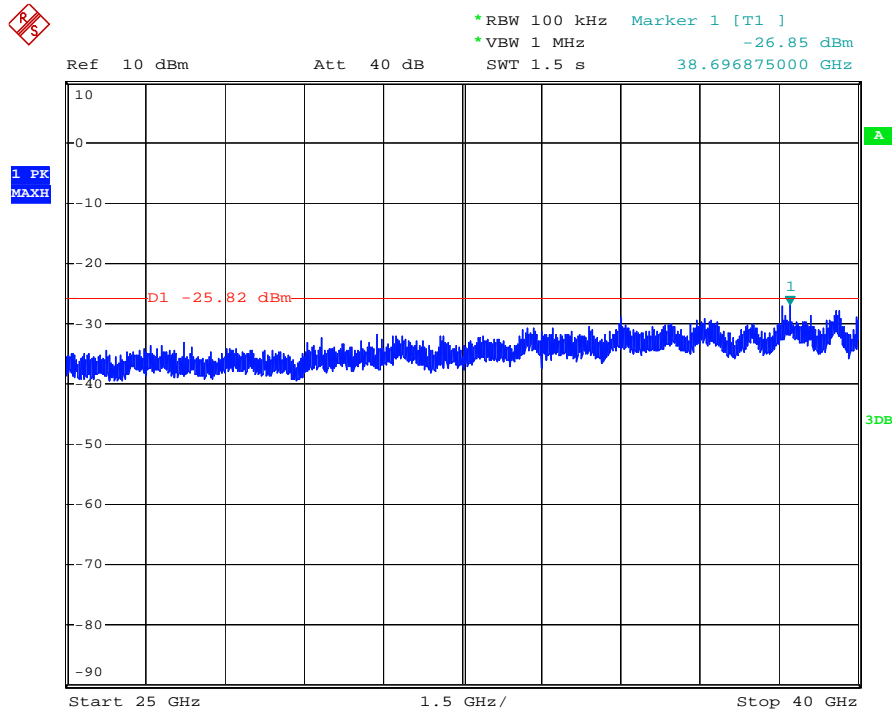
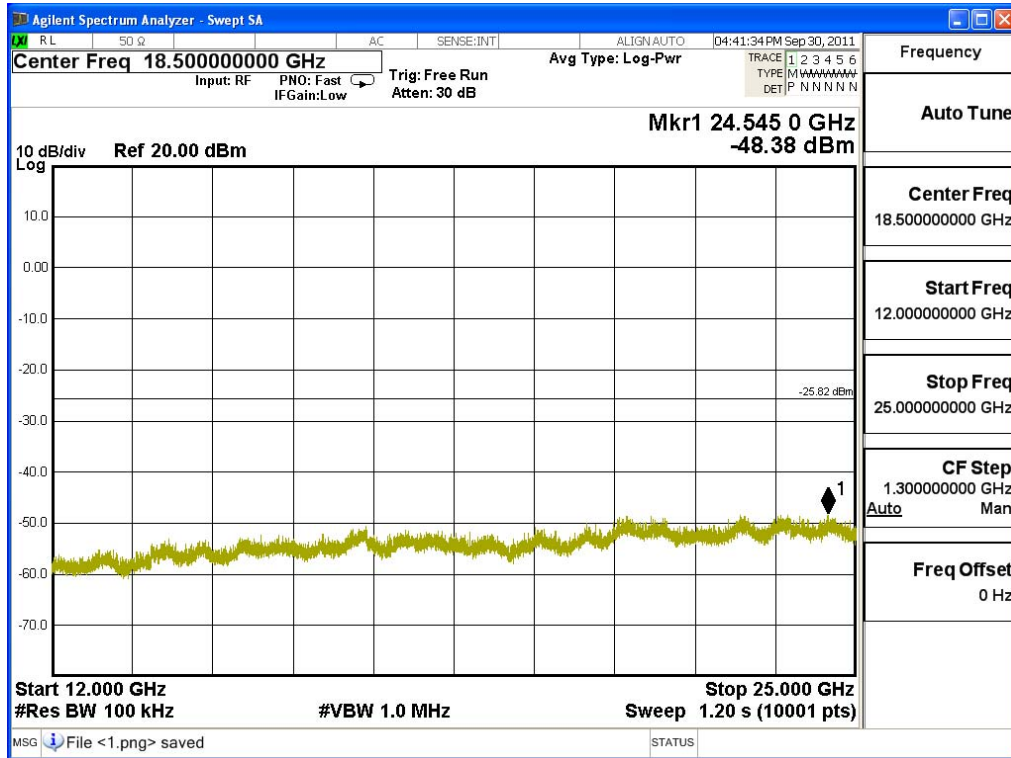


5190B-2

Date: 6.OCT.2011 03:41:09

**Channel 151 (5755MHz) 30MHz -40GHz-Chain C**

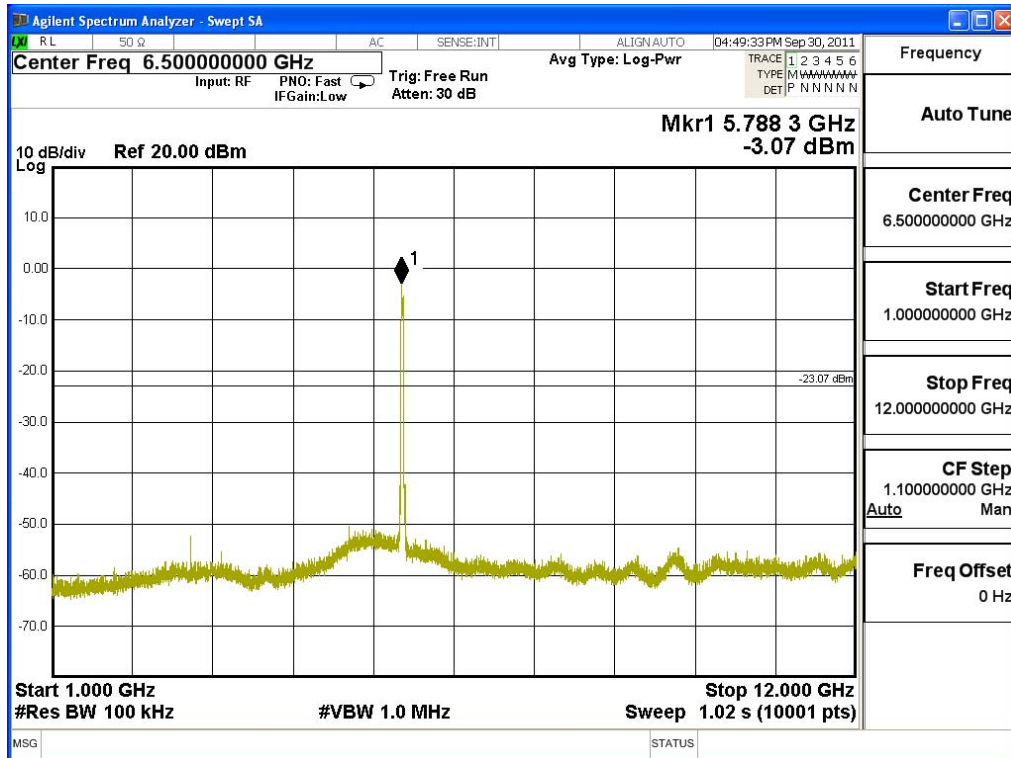
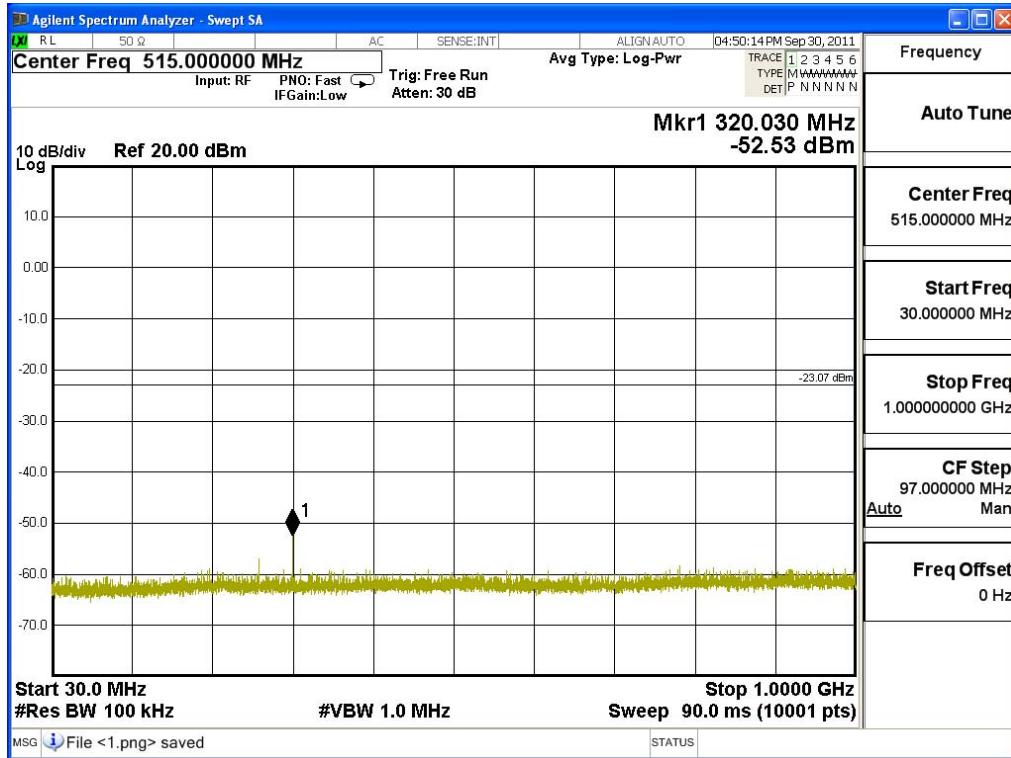




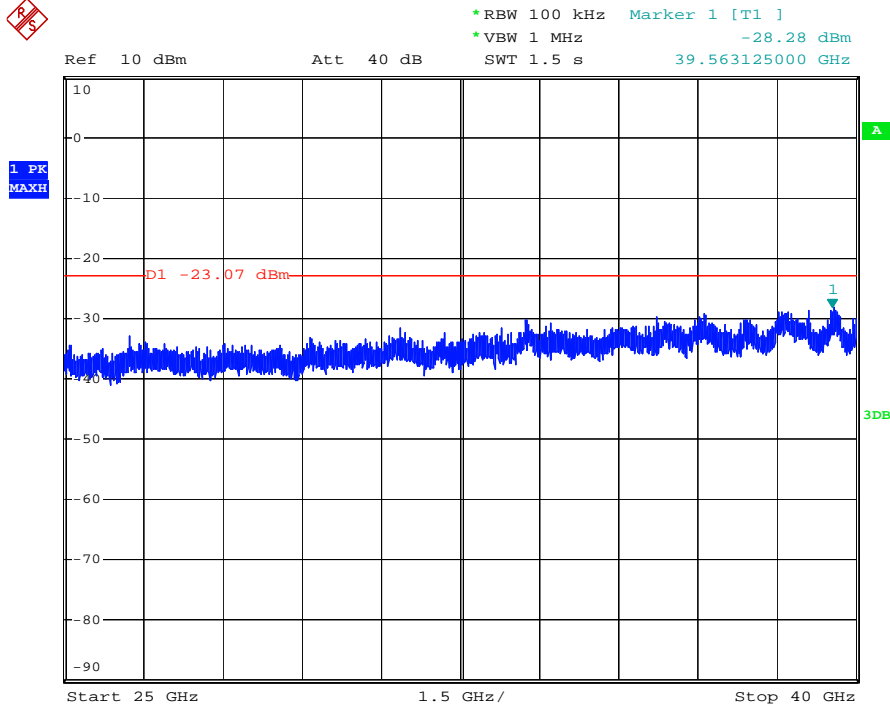
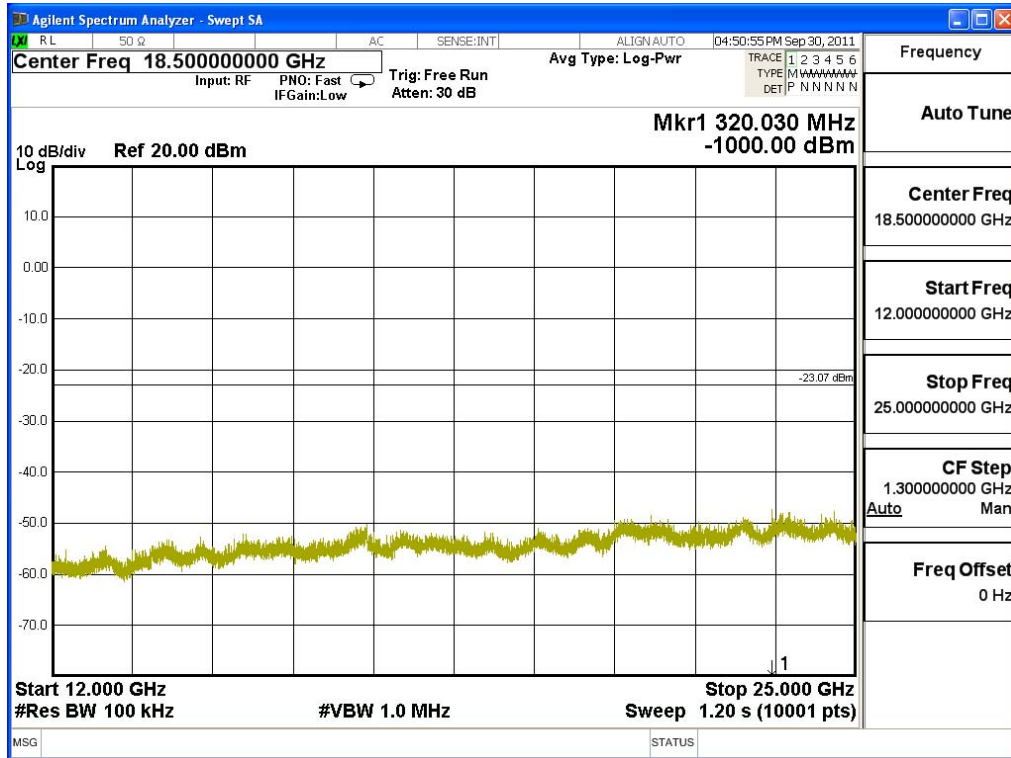
5190B-2

Date: 6.OCT.2011 03:38:51

**Channel 159 (5795MHz) 30MHz -40GHz-Chain C**



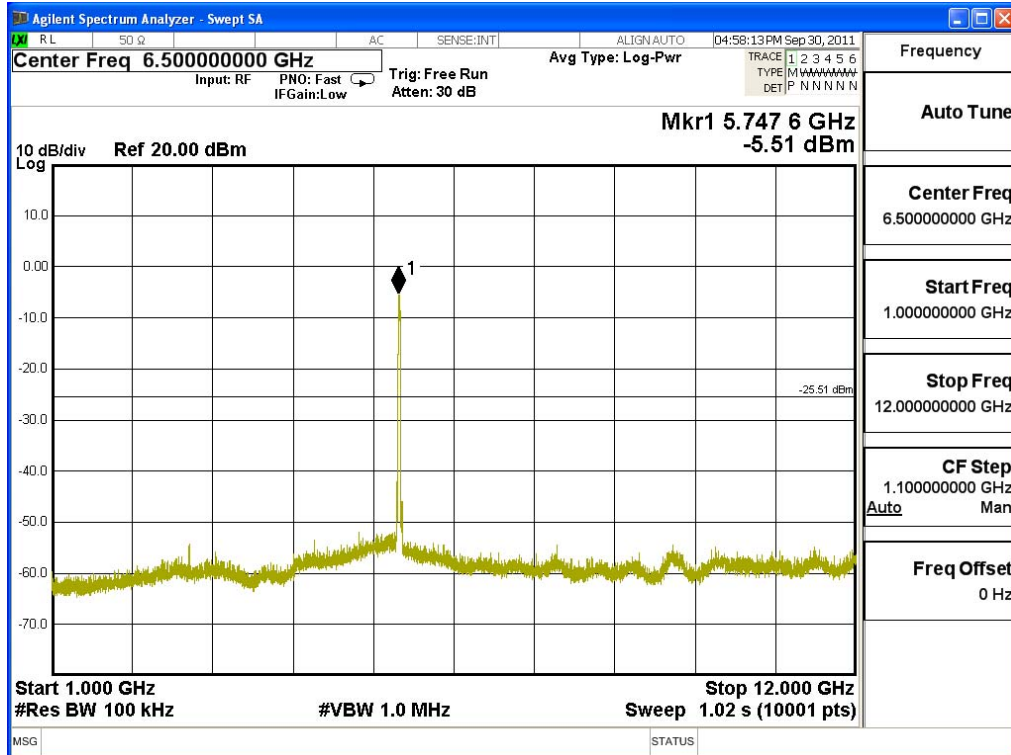
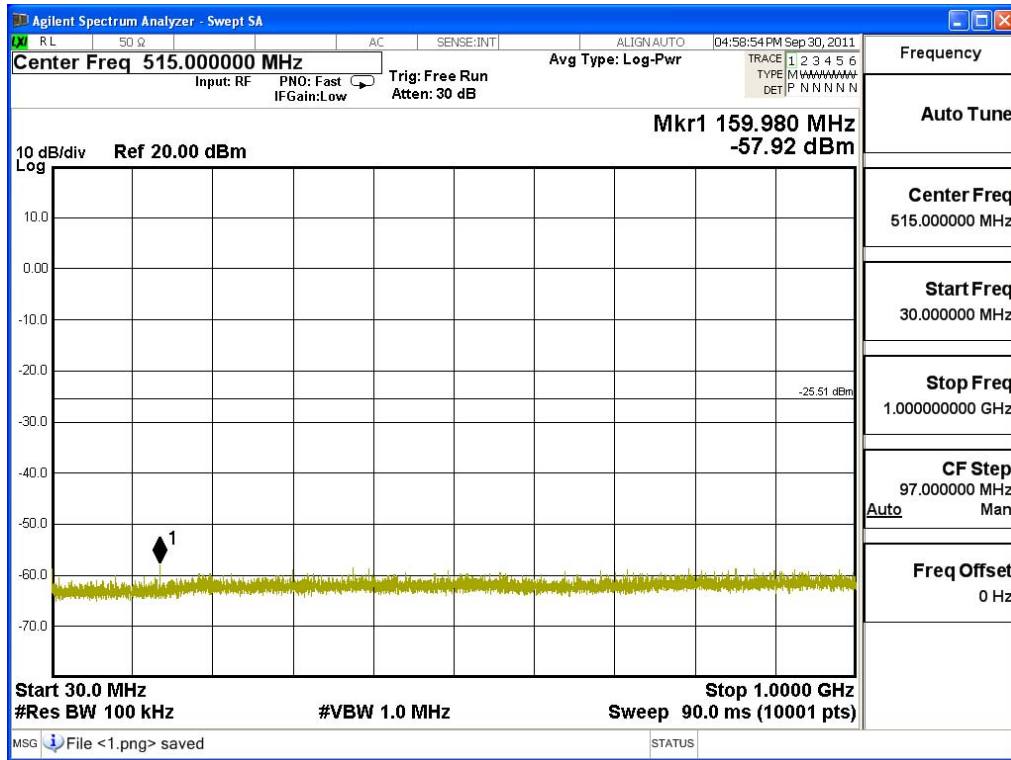


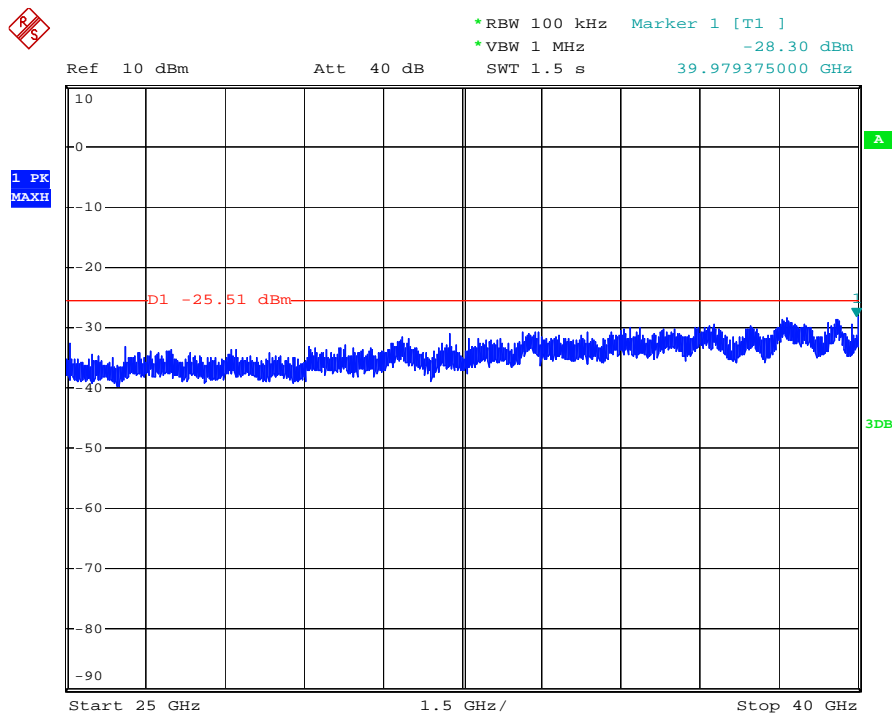
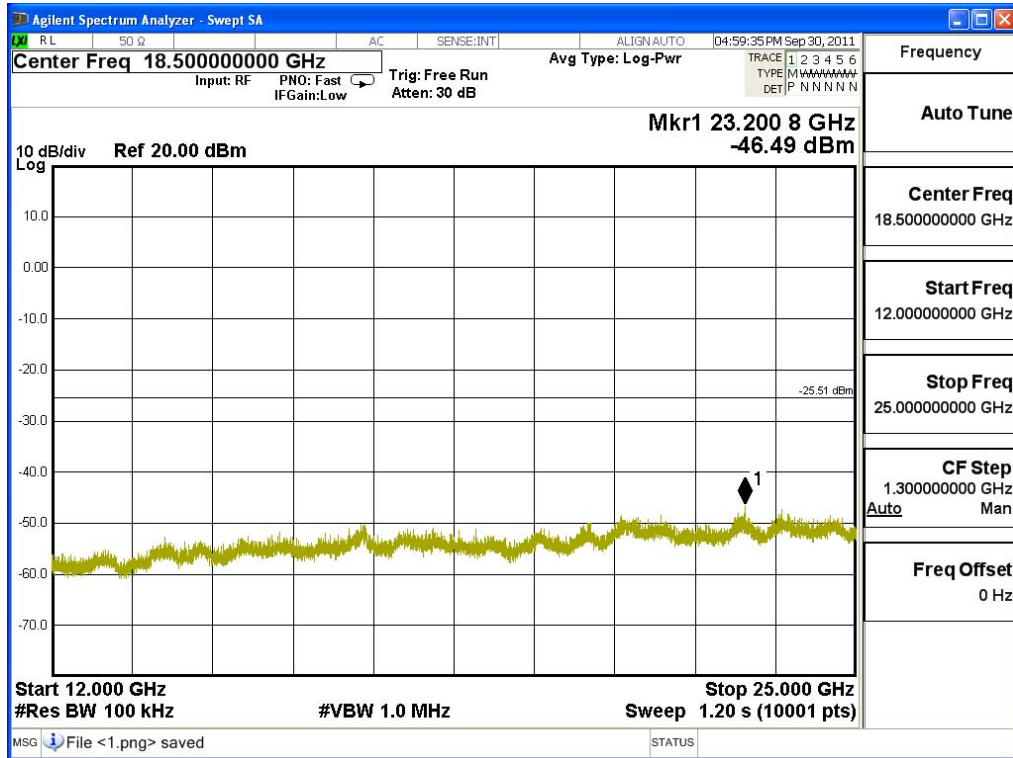


5190B-2

Date: 6.OCT.2011 03:41:41

**Channel 151 (5755MHz) 30MHz -40GHz-Chain D**

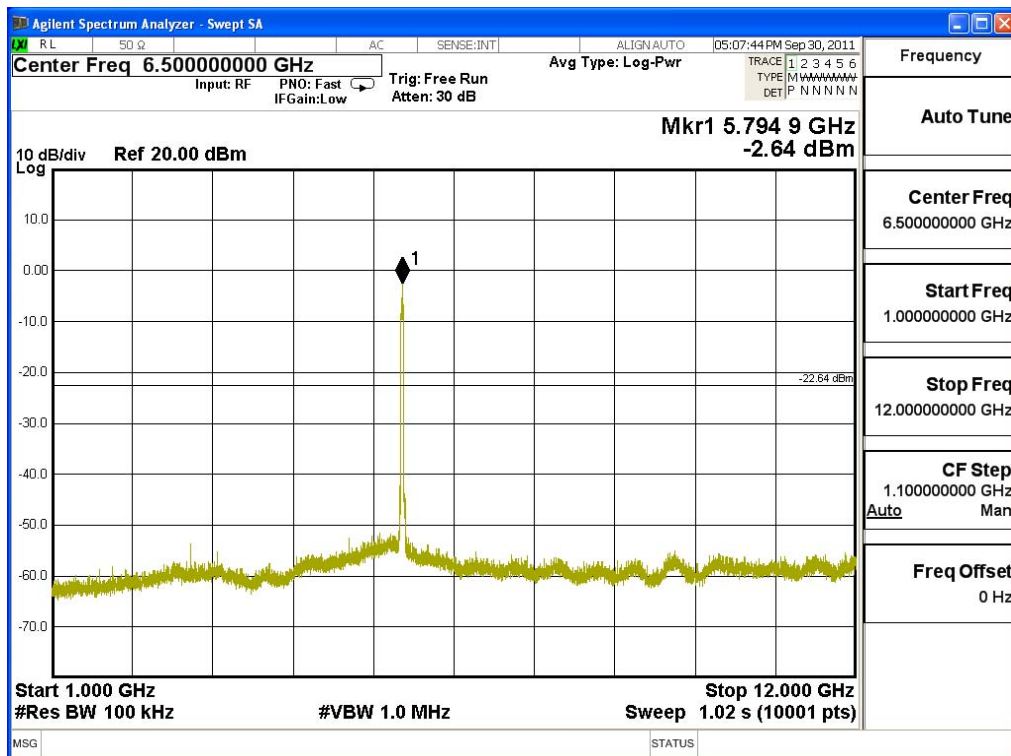
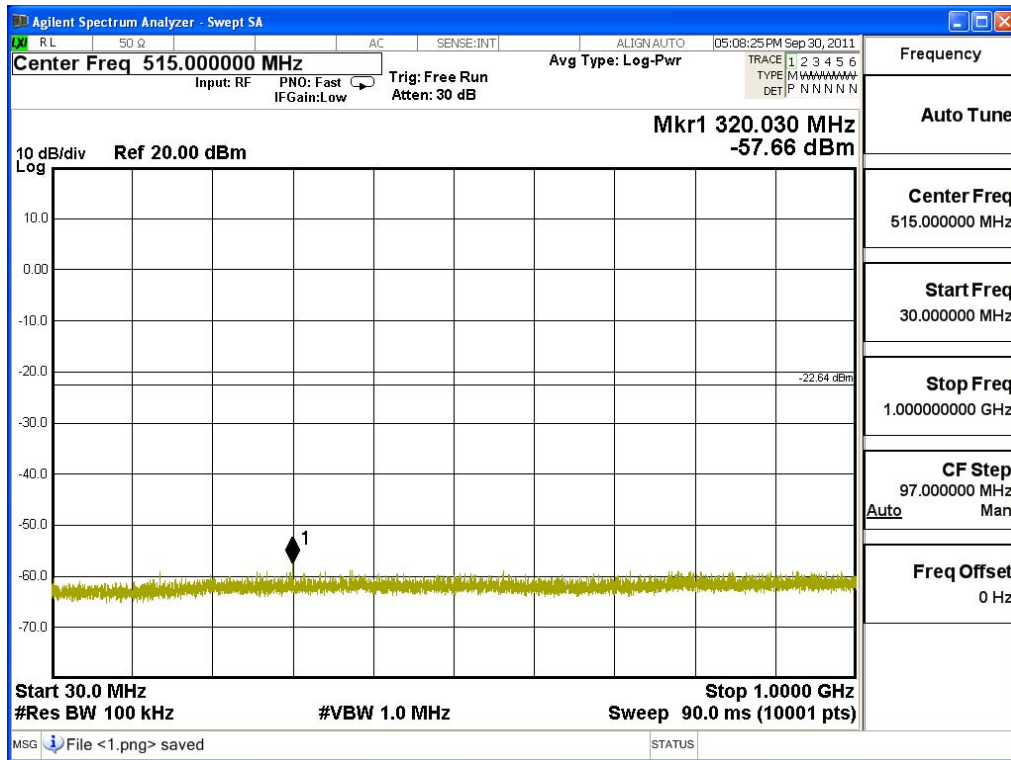


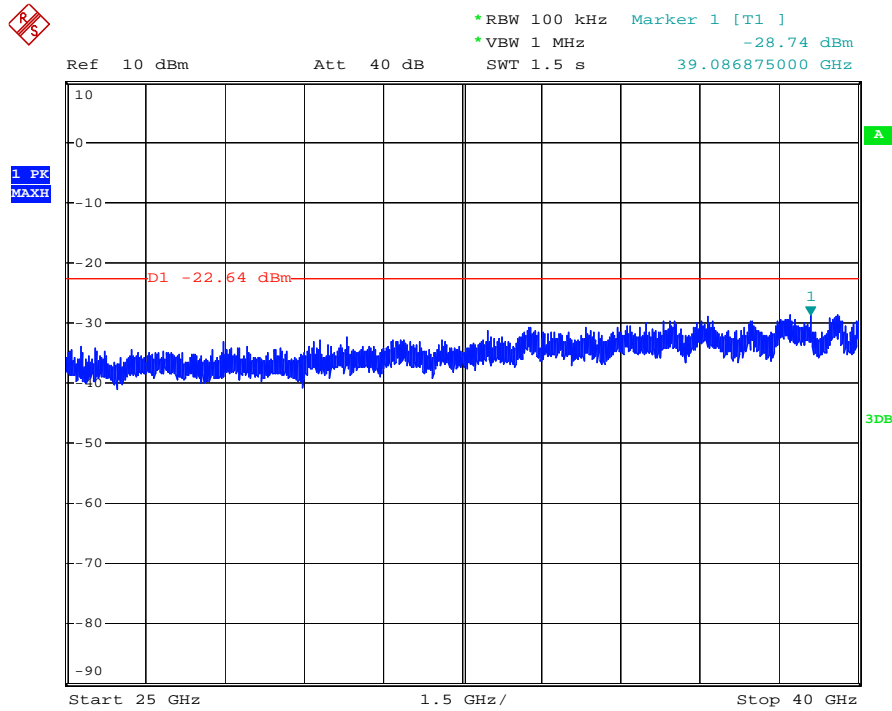


5190B-2

Date: 6.OCT.2011 03:39:33

**Channel 159 (5795MHz) 30MHz -40GHz-Chain D**





5190B-2

Date: 6.OCT.2011 03:42:20

## 6. Band Edge

### 6.1. Test Equipment

#### RF Conducted Measurement

The following test equipments are used during the band edge tests:

	Equipment	Manufacturer	Model No./Serial No.	Last Cal.
	Spectrum Analyzer	R&S	FSP40 / 100170	Jun, 2011
	Spectrum Analyzer	Agilent	E4407B / US39440758	Jun, 2011
X	Spectrum Analyzer	Agilent	N9010A / MY48030495	Apr., 2011

Note:

1. All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.
2. The test instruments marked with "X" are used to measure the final test results.

#### RF Radiated Measurement:

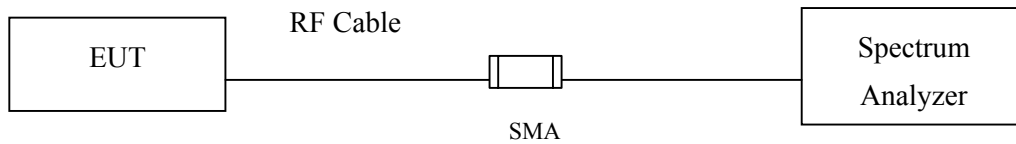
The following test equipments are used during the band edge tests:

Test Site	Equipment	Manufacturer	Model No./Serial No.	Last Cal.	
☒ Site # 3		Bilog Antenna	Schaffner Chase	CBL6112B/2673	Sep., 2011
	X	Horn Antenna	Schwarzbeck	BBHA9120D/D305	Sep., 2011
		Horn Antenna	Schwarzbeck	BBHA9170/208	Jul., 2011
		Pre-Amplifier	QTK	QTK-AMP-03 / 0003	May, 2011
	X	Pre-Amplifier	QTK	AP-180C / CHM_0906076	Sep., 2011
		Pre-Amplifier	MITEQ	AMF-4D-180400-45-6P/ 925975	Mar, 2011
	X	Spectrum Analyzer	Agilent	E4407B / US39440758	May, 2011
		Test Receiver	R & S	ESCS 30/ 825442/018	Sep., 2011
	X	Coaxial Cable	Quietek	QTK-CABLE/ CAB5	Feb., 2011
	X	Controller	Quietek	QTK-CONTROLLER/ CTRL3	N/A
	X	Coaxial Switch	Anritsu	MP59B/6200265729	N/A

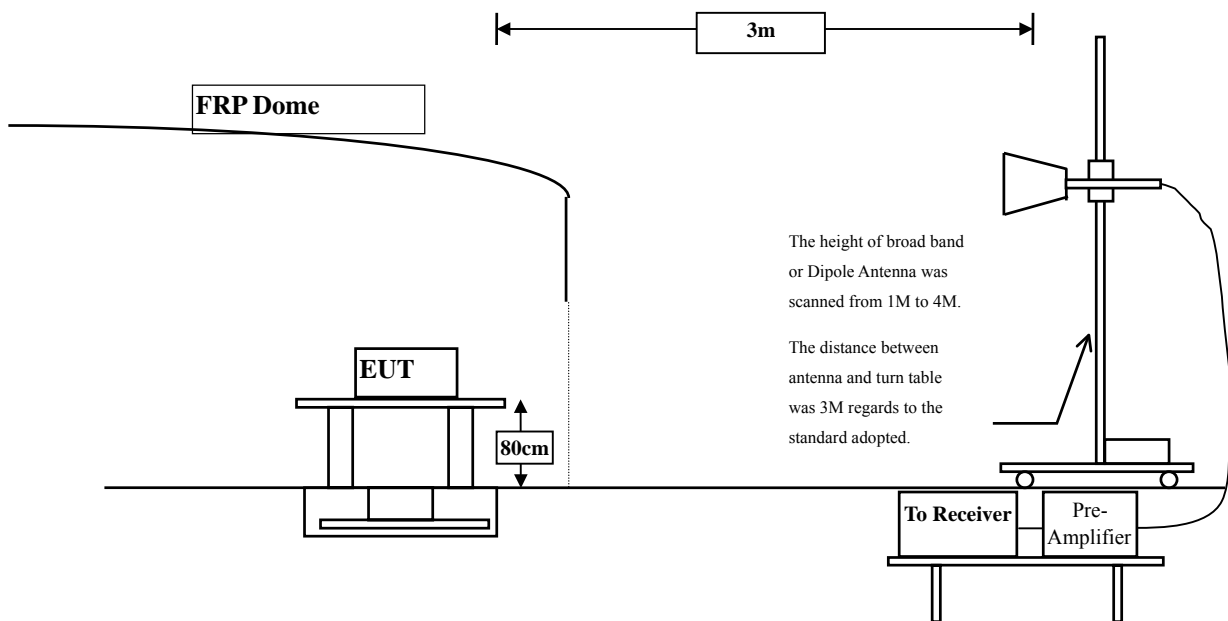
- Note:
1. All instruments are calibrated every one year.
  2. The test instruments marked by "X" are used to measure the final test results.

## 6.2. Test Setup

### RF Conducted Measurement



### RF Radiated Measurement:



## 6.3. Limits

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 20dB below the level of the fundamental or to the general radiated emission limits in paragraph 15.209, whichever is the lesser attenuation.

#### **6.4. Test Procedure**

The EUT was setup according to ANSI C63.4, 2009 and tested according to DTS test procedure of Mar. 2005 KDB558074 for compliance to FCC 47CFR 15.247 requirements.

The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.

The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.4:2009 on radiated measurement.

#### **6.5. Uncertainty**

± 3.9 dB above 1GHz

± 3.8 dB below 1GHz



### 6.6. Test Result of Band Edge

Product : WHDI Tx board  
 Test Item : Band Edge  
 Test Site : No.3 OATS  
 Test Mode : Mode 1: Transmit (31.5Mbps 20MBW)-5745MHz

#### Chain A

Test Frequency (MHz)	Measurement Level $\Delta$ (dB)	Limit $\Delta$ (dB)	Result
5745	49.06	>20	PASS

