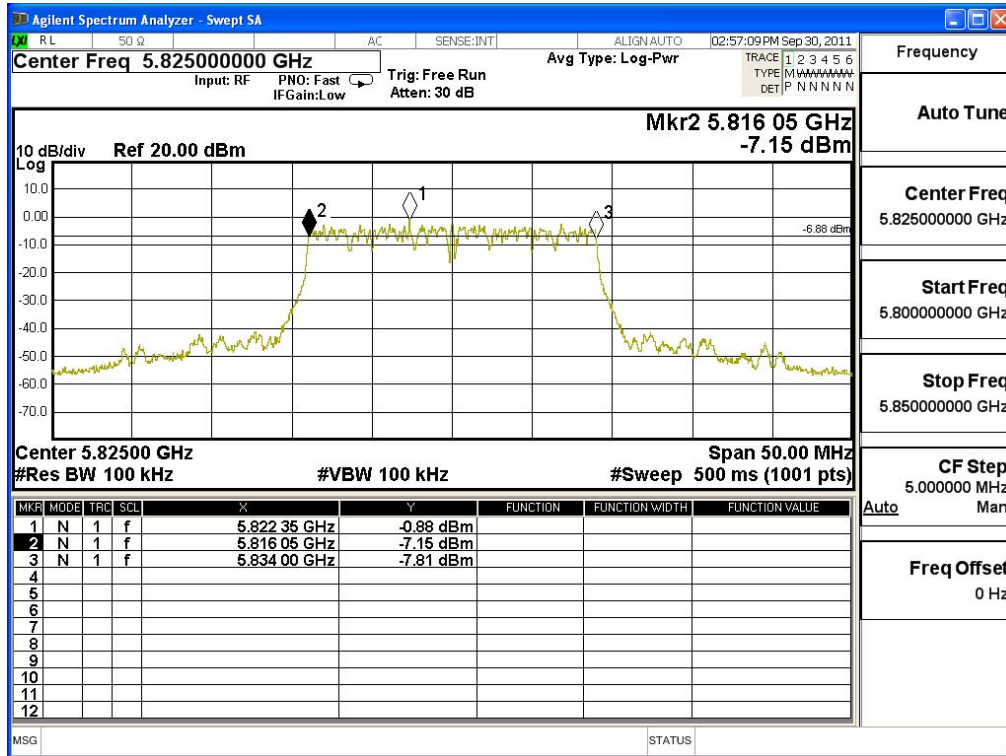


Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
165	5825.00	17950	>500	Pass

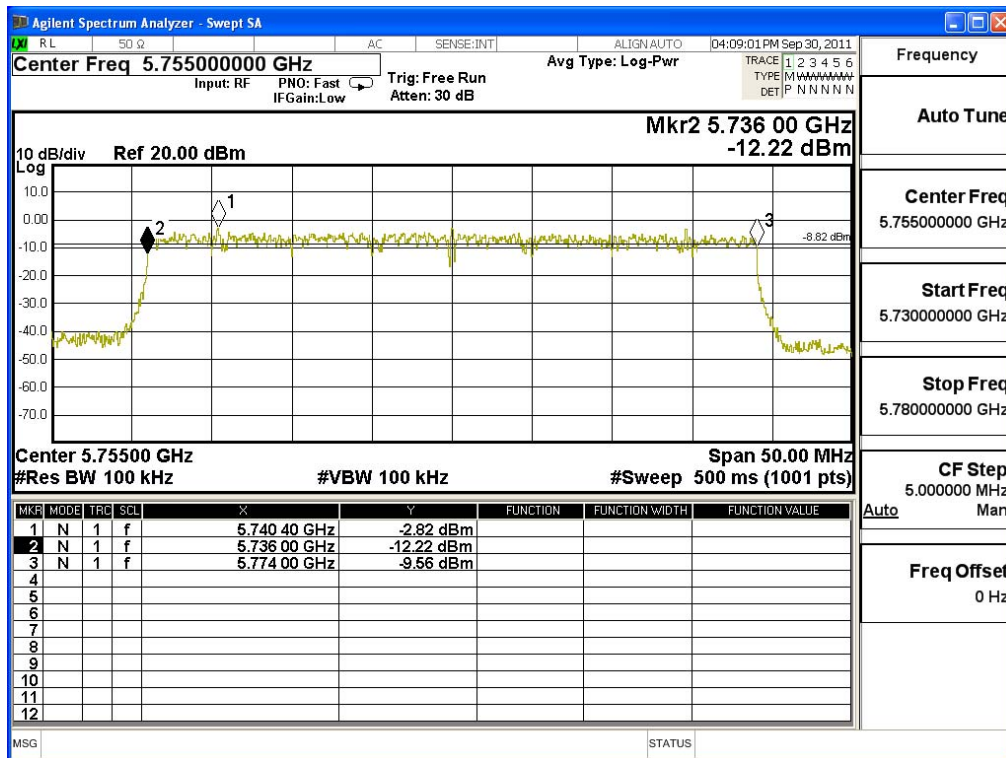
Figure Channel 165: (Chain D)



Product : WHDI Tx board
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (63Mbps 40MBW) (5755MHz)

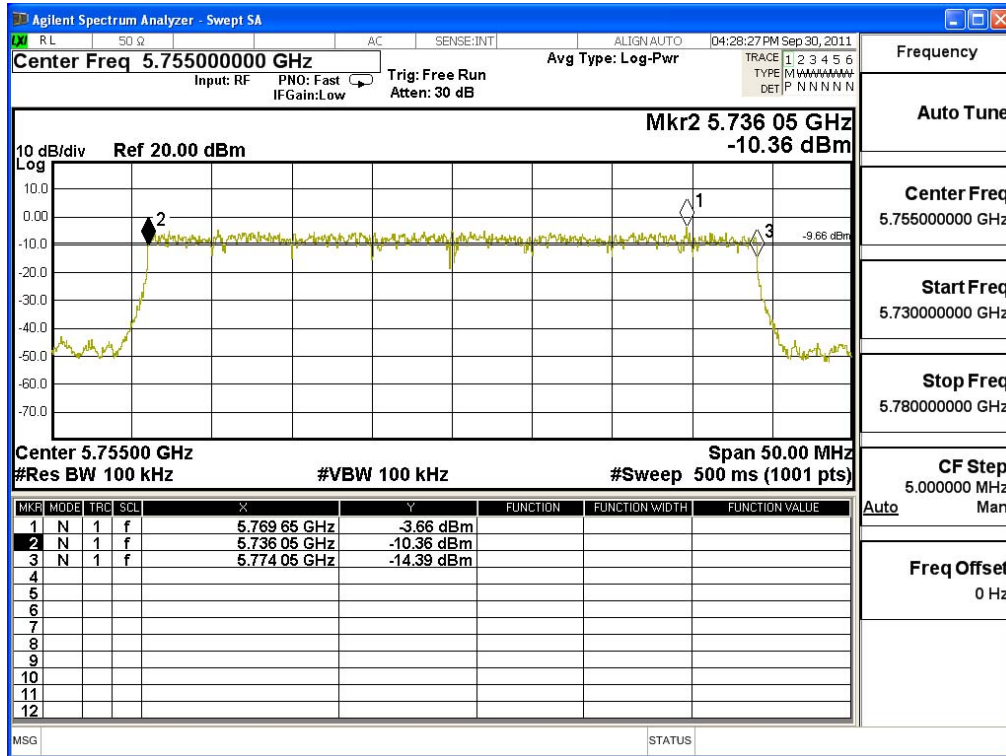
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755.00	38000	>500	Pass

Figure Channel 151: (Chain A)



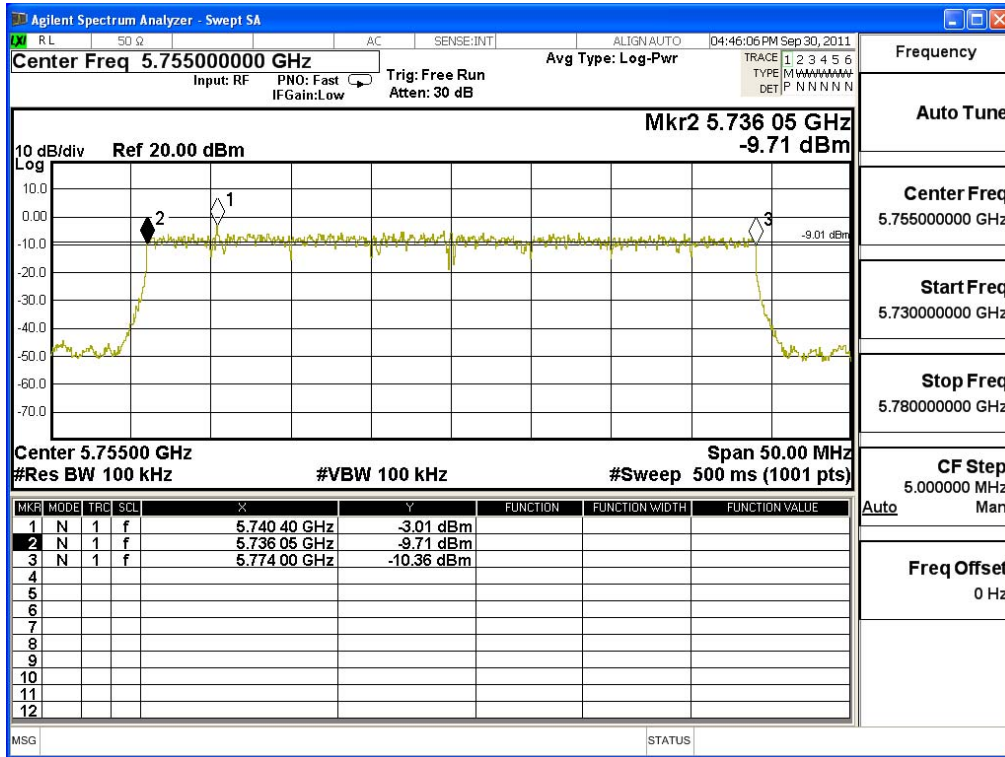
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755.00	38000	>500	Pass

Figure Channel 151: (Chain B)



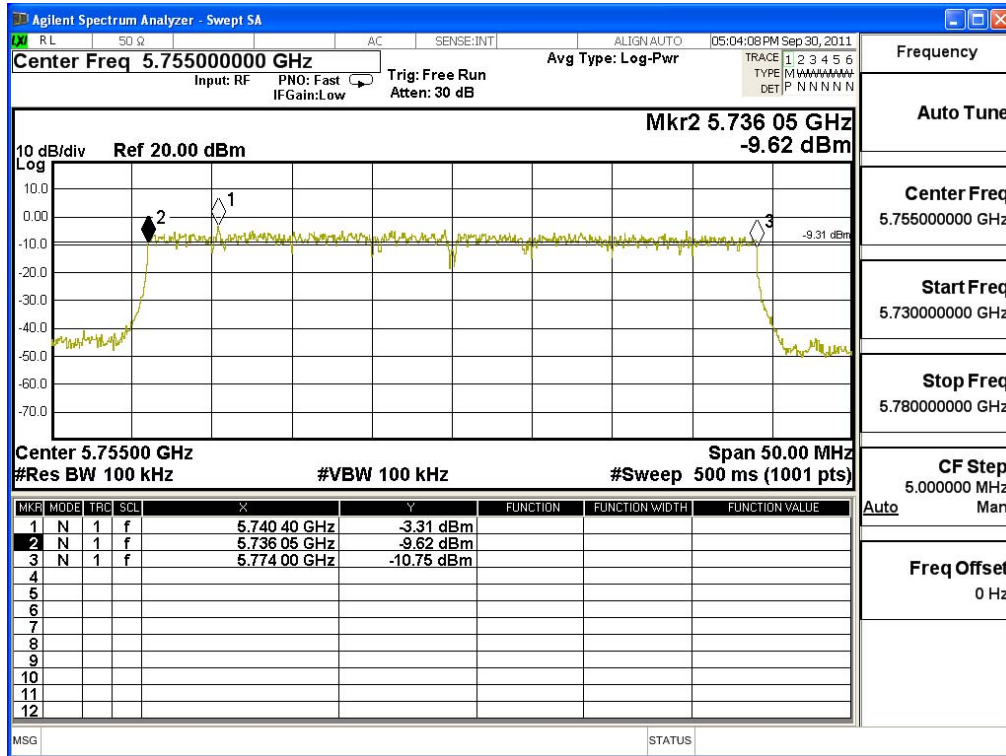
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755.00	37950	>500	Pass

Figure Channel 151: (Chain C)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
151	5755.00	37950	>500	Pass

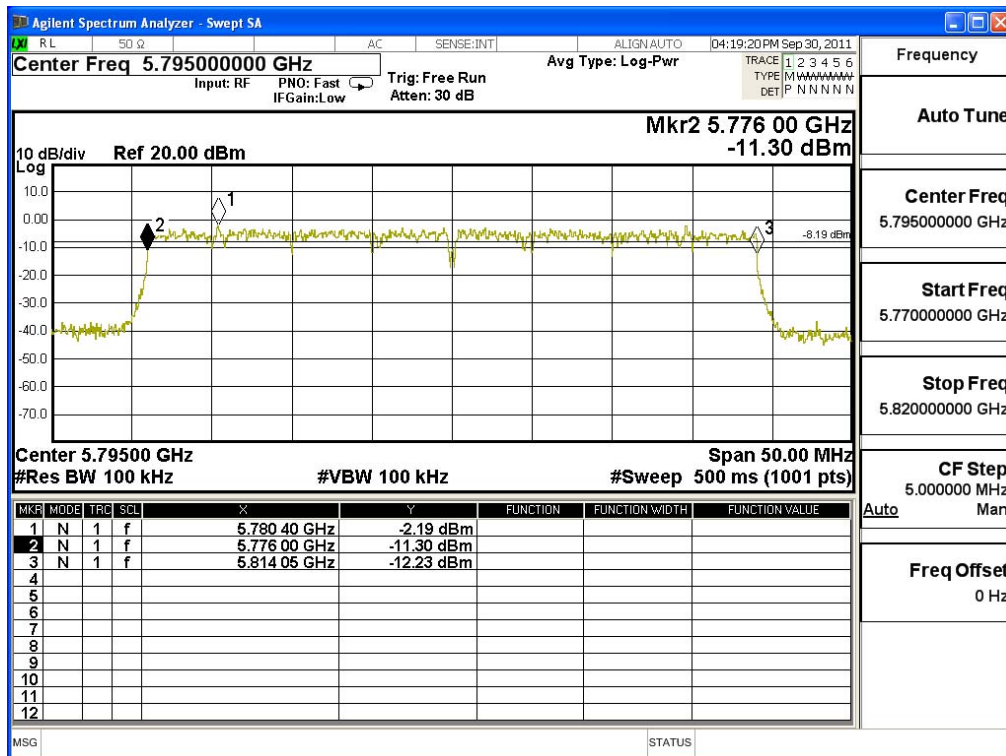
Figure Channel 151: (Chain D)



Product : WHDI Tx board
 Test Item : Occupied Bandwidth Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (63Mbps 40MBW) (5795MHz)

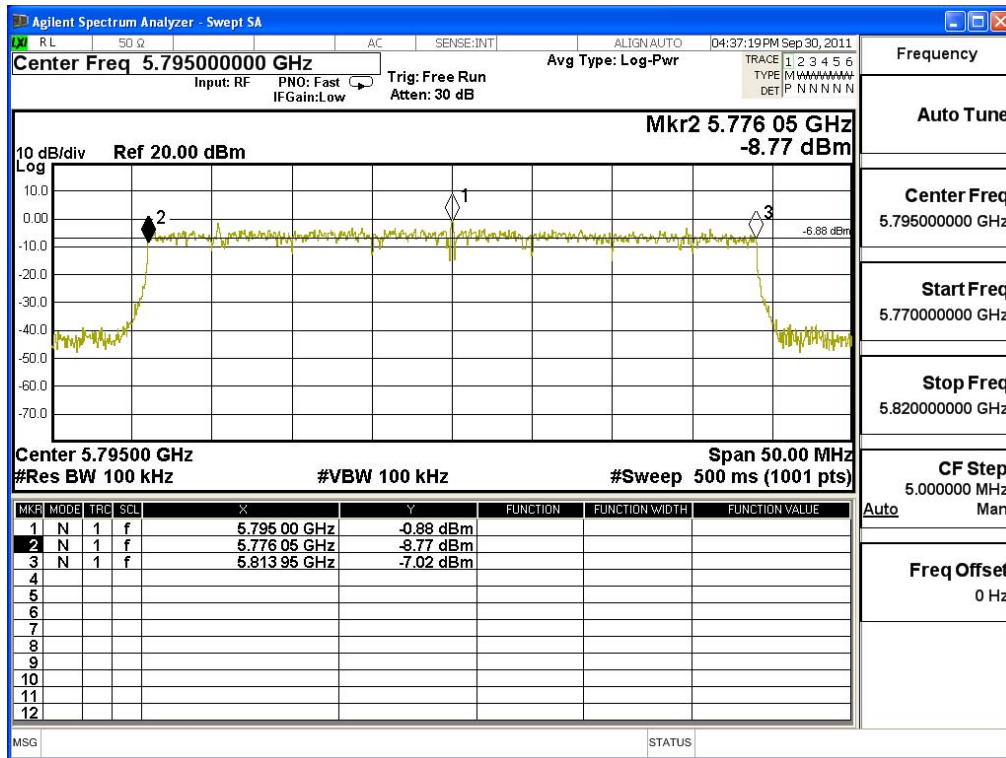
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795.00	38050	>500	Pass

Figure Channel 159: (Chain A)



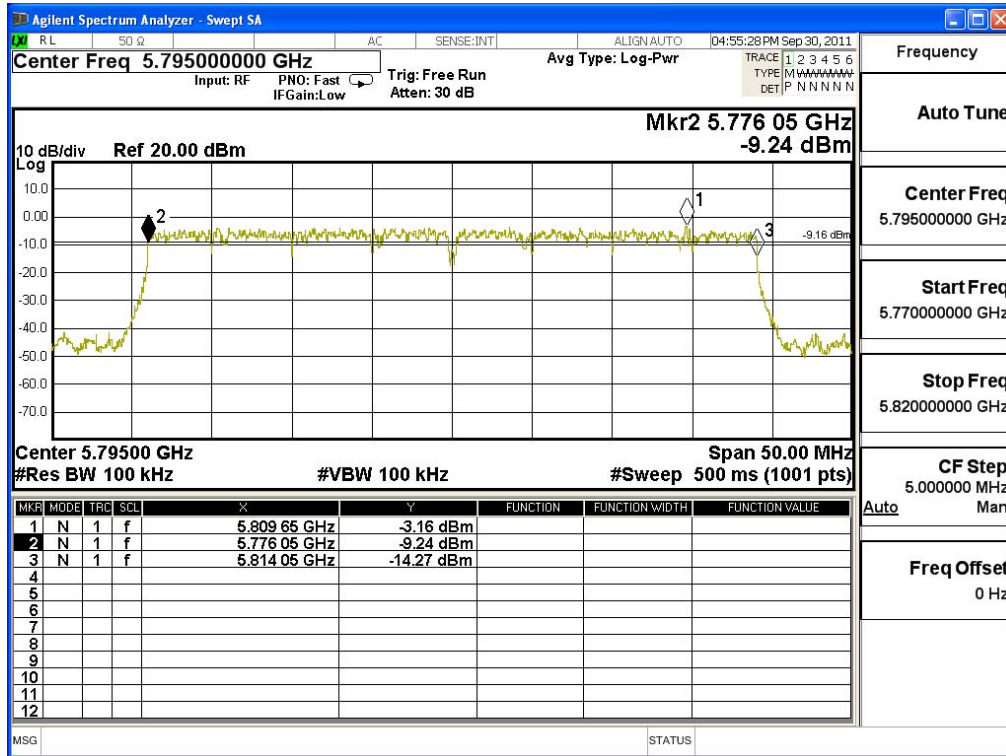
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795.00	37900	>500	Pass

Figure Channel 159: (Chain B)



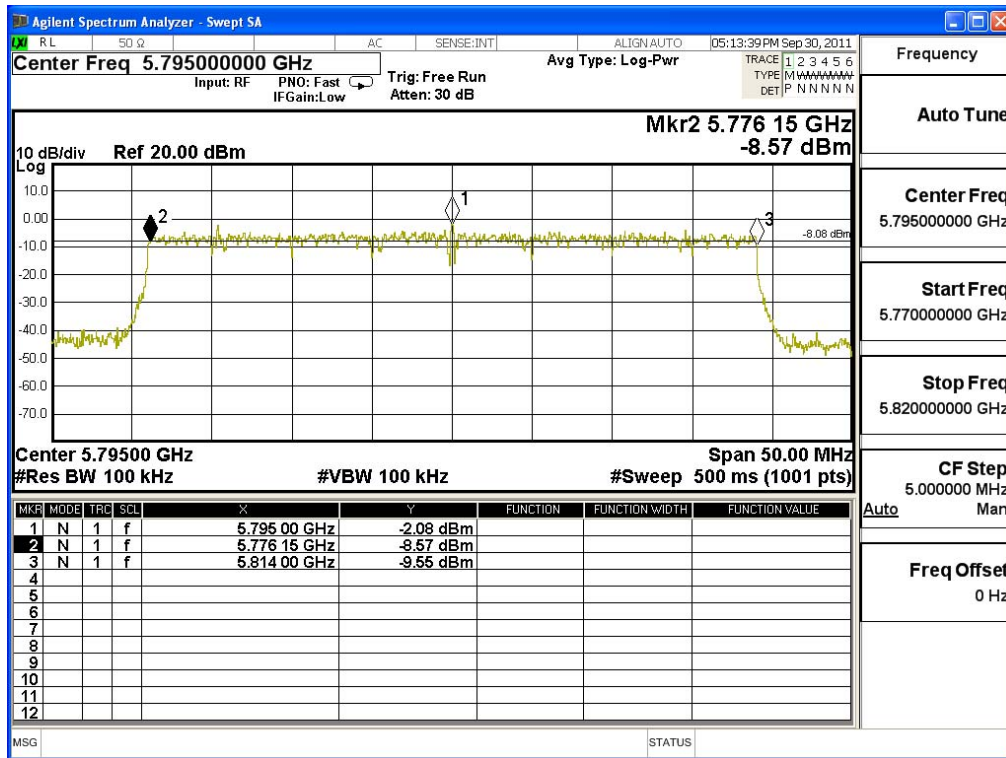
Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795.00	38000	>500	Pass

Figure Channel 159: (Chain C)



Channel No.	Frequency (MHz)	Measurement Level (kHz)	Required Limit (kHz)	Result
159	5795.00	37850	>500	Pass

Figure Channel 159: (Chain D)



8. Power Density

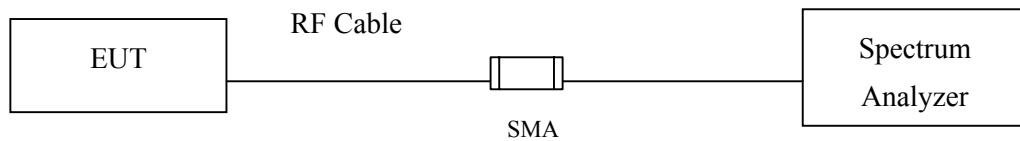
8.1. Test Equipment

	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.

8.2. Test Setup



8.3. Limits

The transmitted power density averaged over any 1 second interval shall not be greater +8dBm in any 3kHz bandwidth.

8.4. Test Procedure

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

Set RBW= 3 kHz, VBW=10KHz, Sweep time=(SPAN/3KHz), detector=Peak detector

8.5. Uncertainty

± 1.27 dB

8.6. Test Result of Power Density

Product : WHDI Tx board
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (31.5Mbps 20MBW) (5745MHz)

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
149	5745.00	31.5	-15.670	-16.540	-18.150	-18.780	-11.088	< 8dBm	Pass

Note: Power Density Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW) + Chain C (mW) + Chain D (mW))

Figure Channel 149: (Chain A)

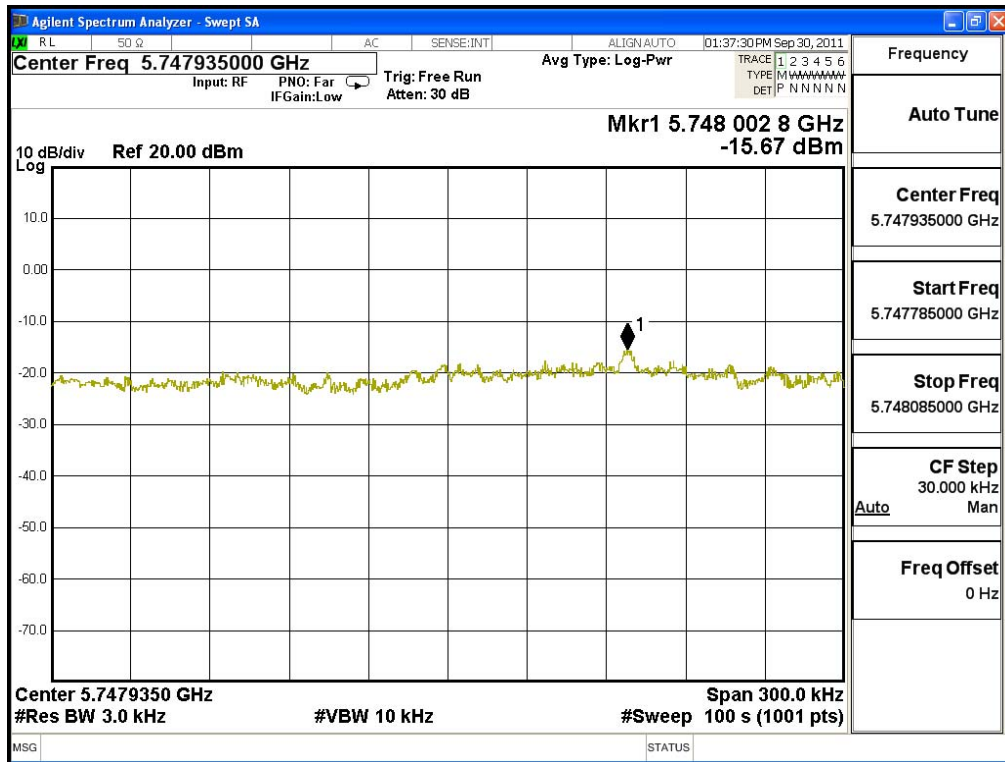


Figure Channel 149: (Chain B)

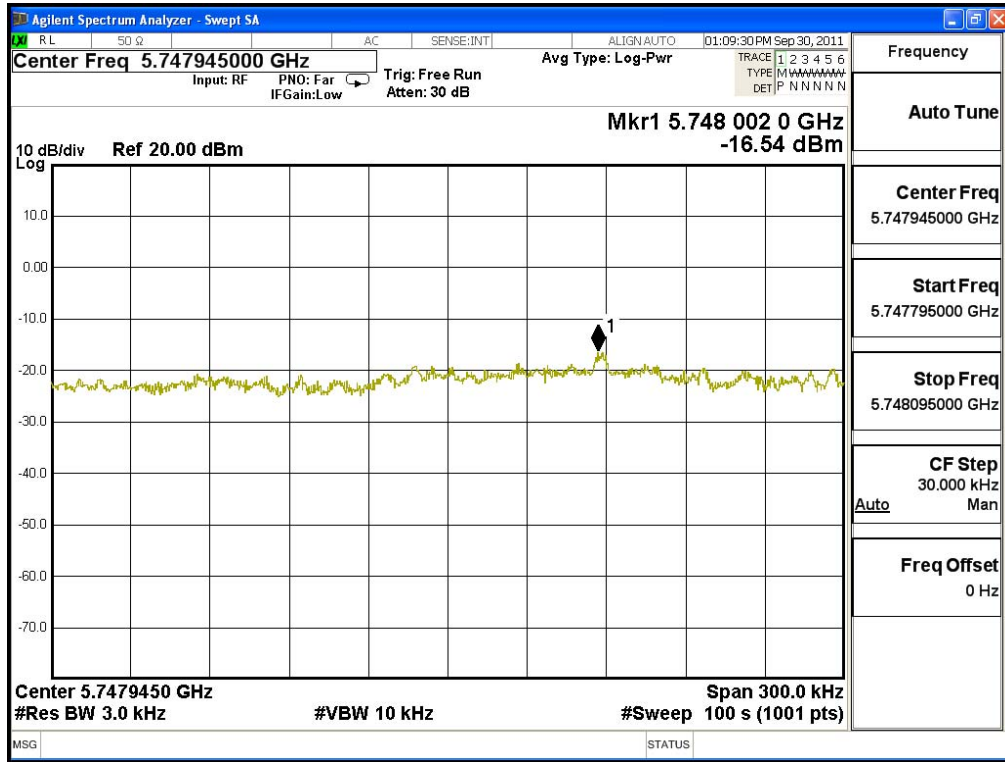


Figure Channel 149: (Chain C)

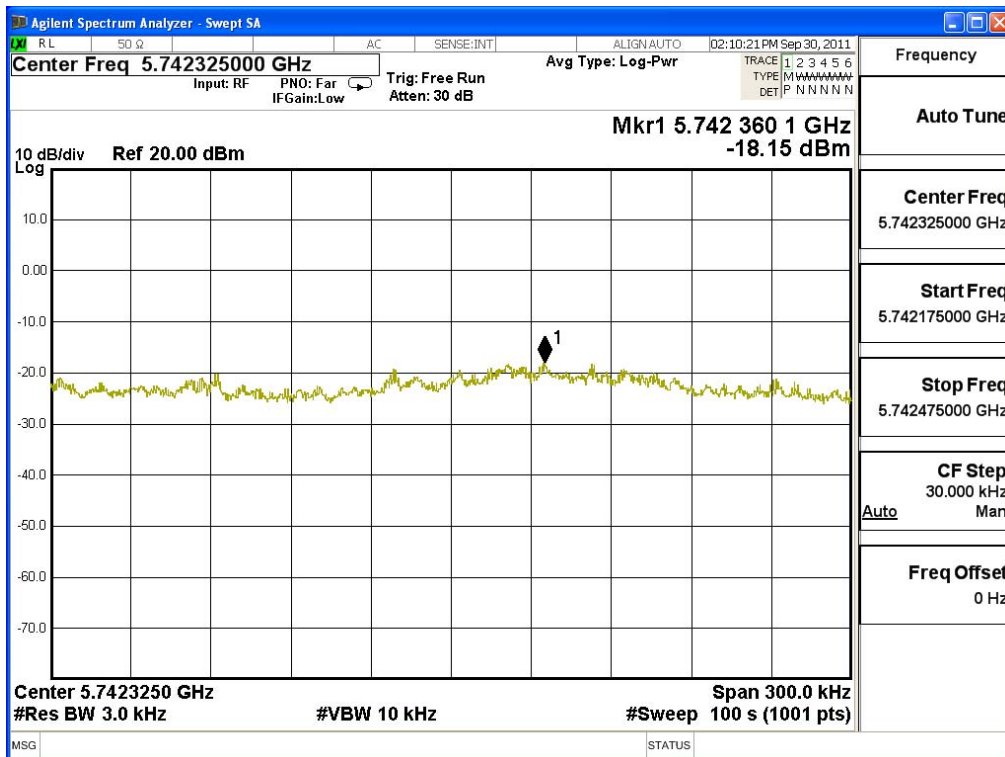
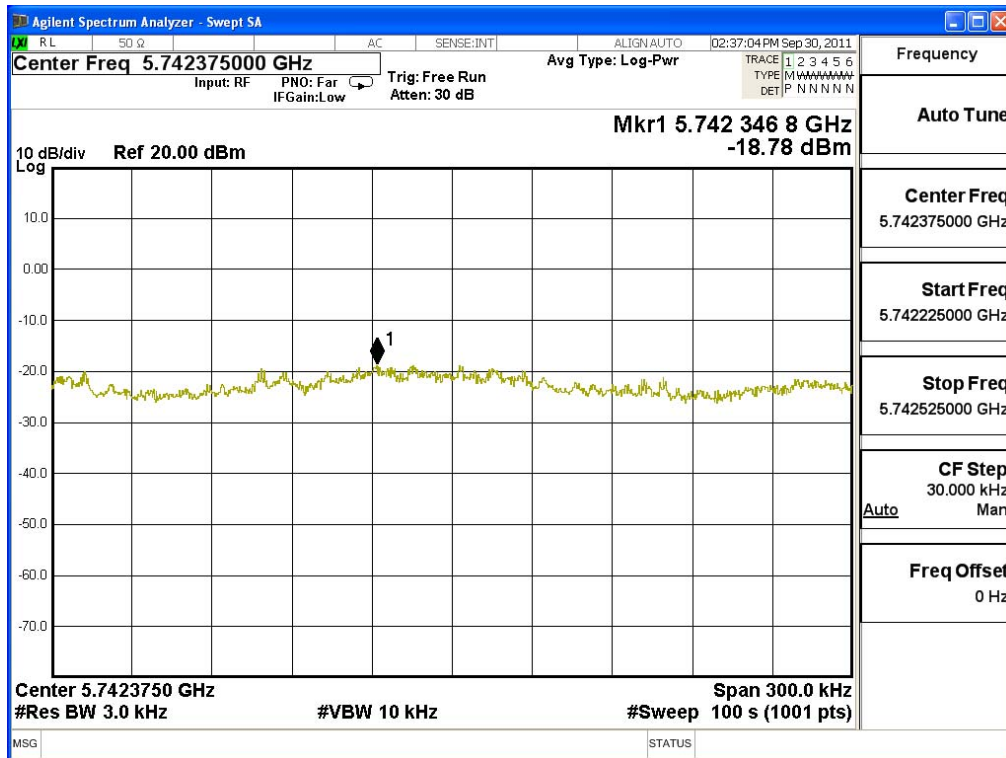


Figure Channel 149: (Chain D)



Product : WHDI Tx board
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 1: Transmit (31.5Mbps 20MBW) (5785MHz)

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
157	5785.00	31.5	-17.450	-19.610	-19.800	-20.290	-13.120	< 8dBm	Pass

Note: Power Density Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW)+Chain C (mW)+ Chain D (mW))

Figure Channel 157: (Chain A)

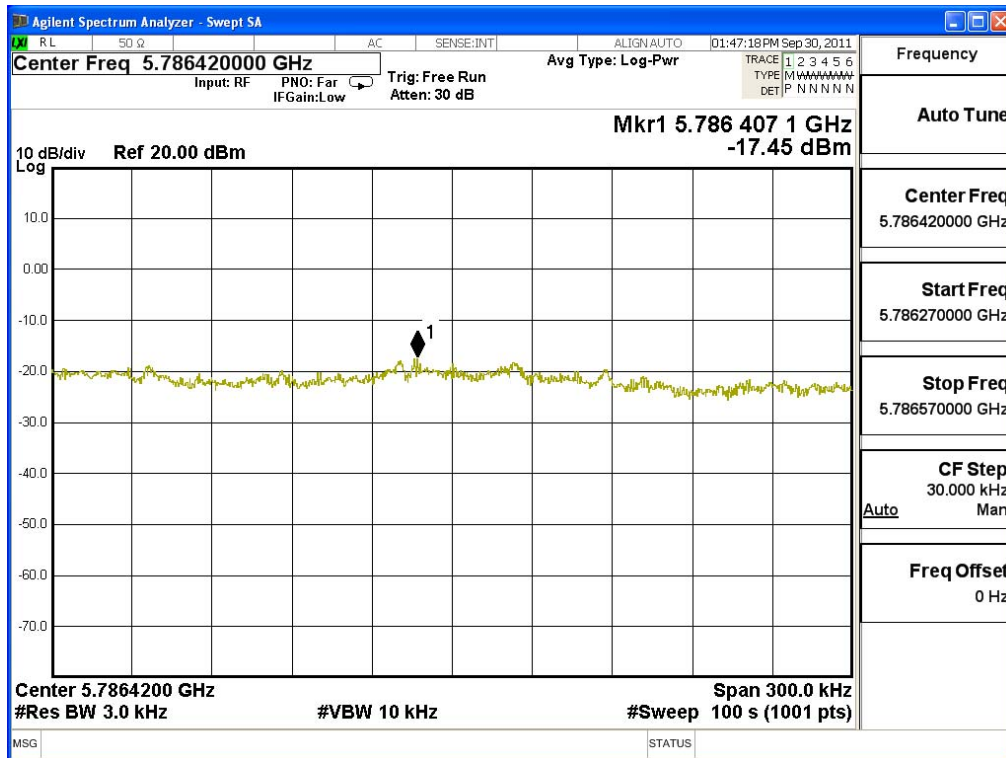


Figure Channel 157: (Chain B)

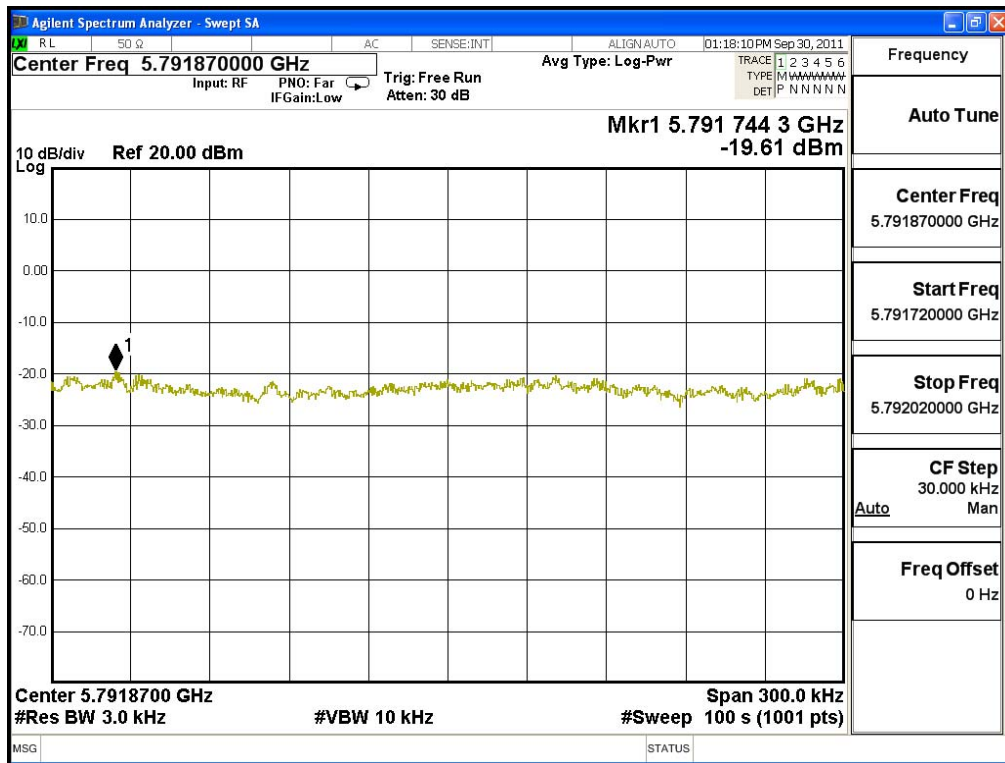


Figure Channel 157: (Chain C)

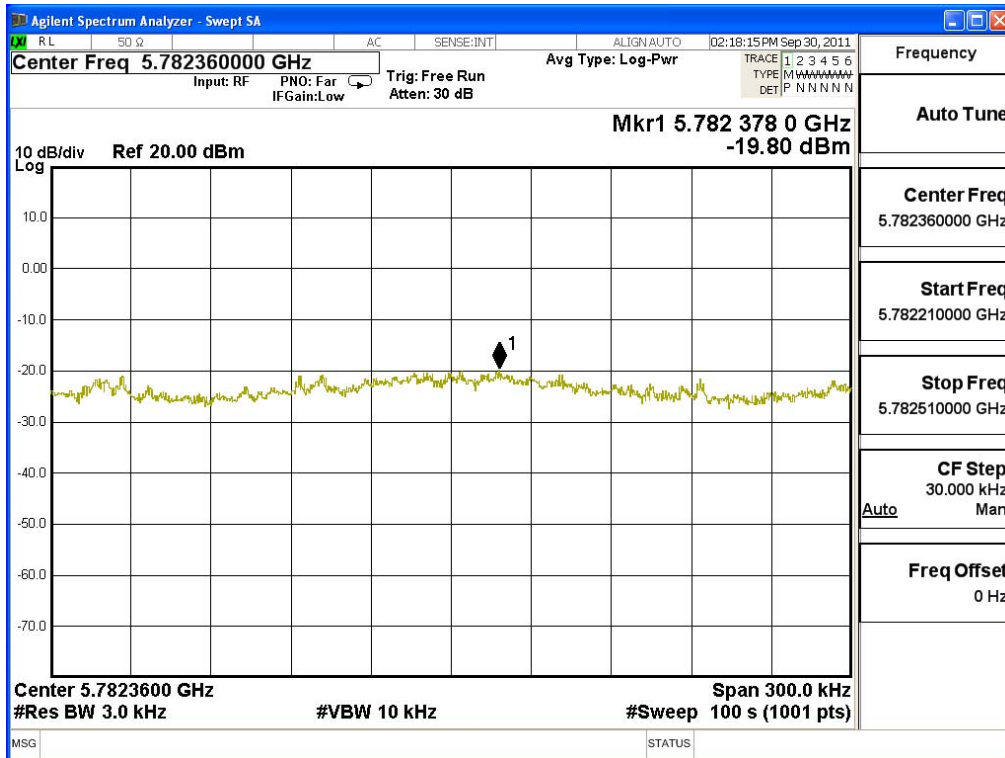
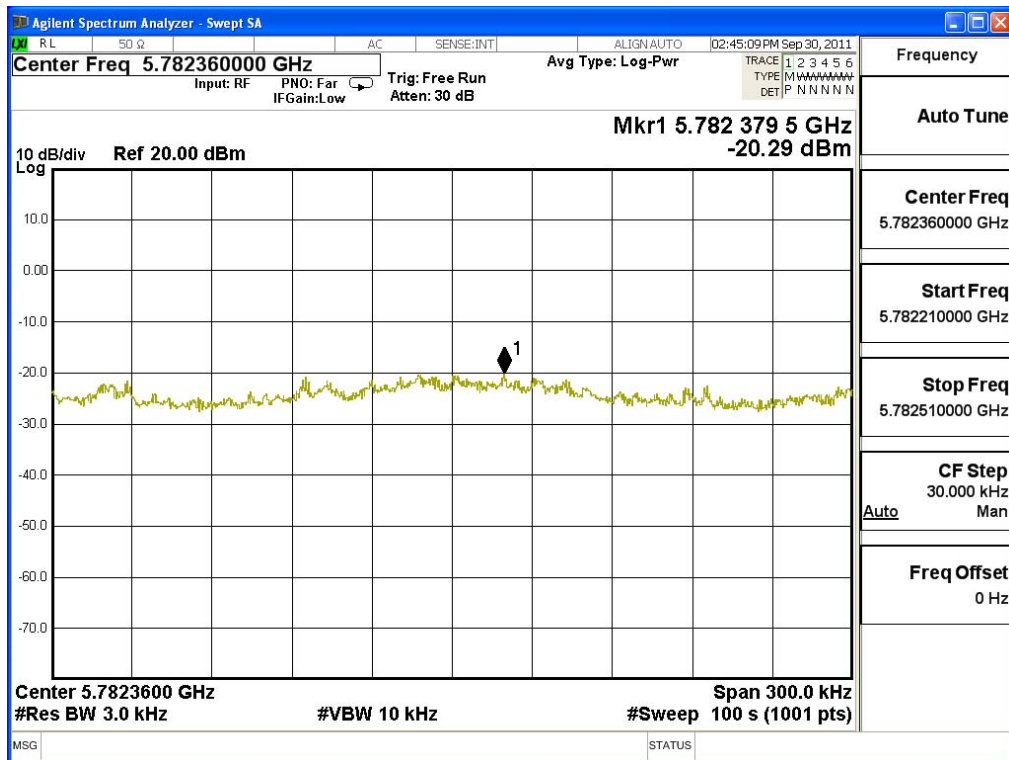


Figure Channel 157: (Chain D)



Product : WHDI Tx board
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 1: Transmit (31.5Mbps 20MBW) (5825MHz)

Channel No.	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
165	5825.00	31.5	-16.190	-19.070	-18.990	-18.440	-11.981	< 8dBm	Pass

Note: Power Density Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW)+Chain C (mW)+ Chain D (mW))

Figure Channel 165: (Chain A)

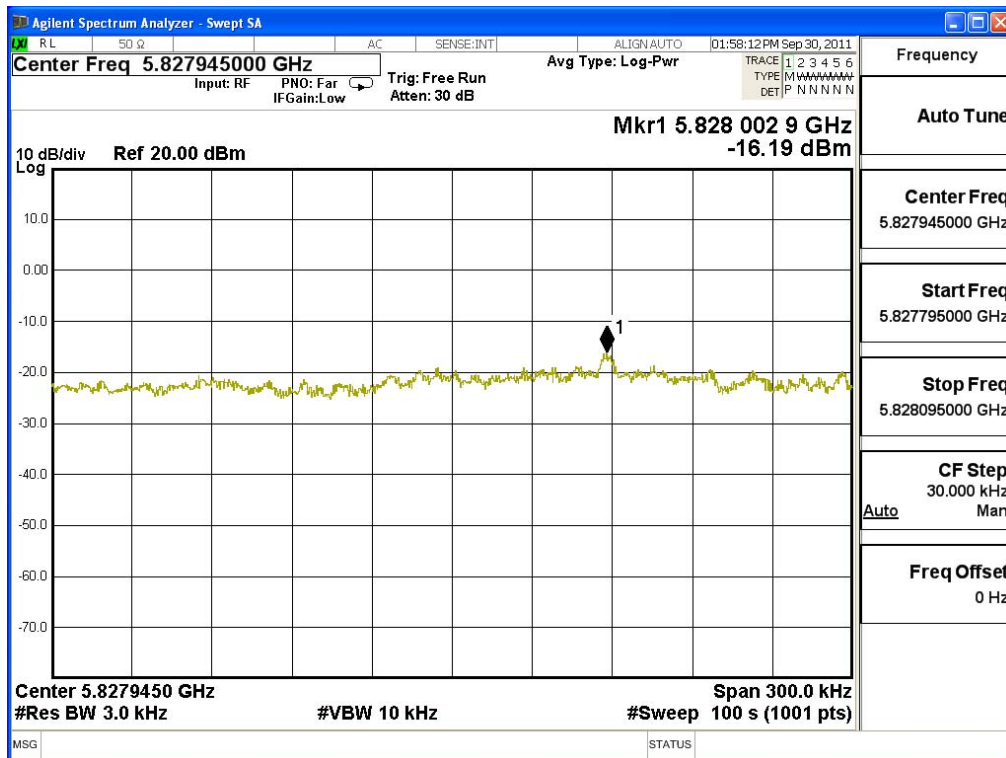


Figure Channel 165: (Chain B)

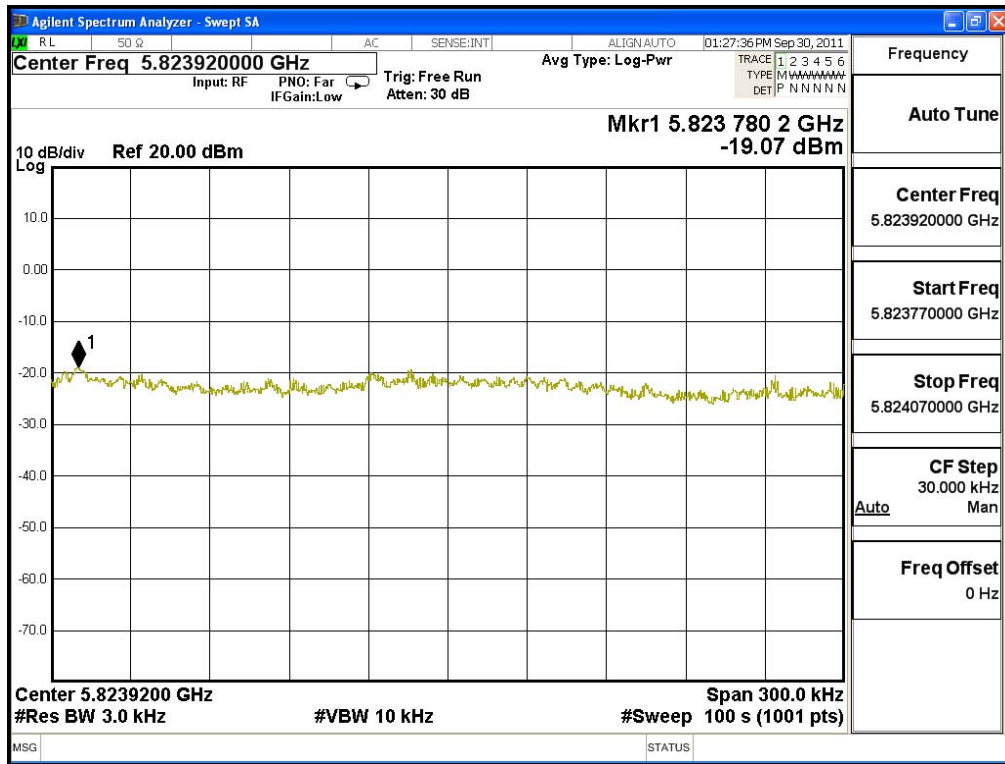


Figure Channel 165: (Chain C)

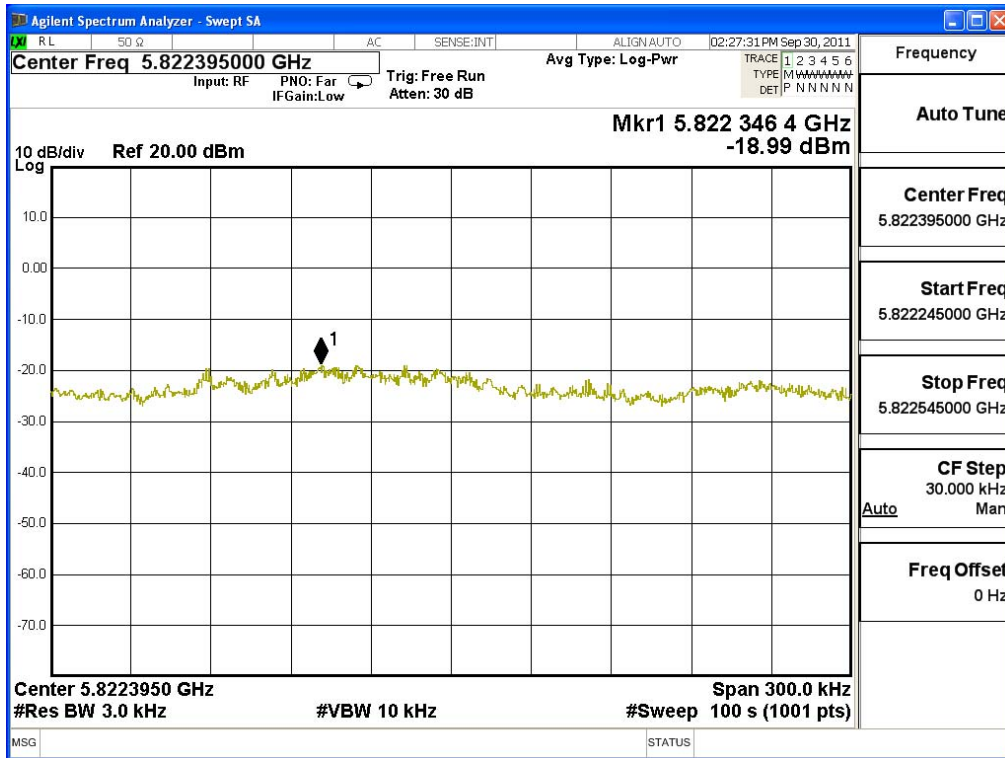
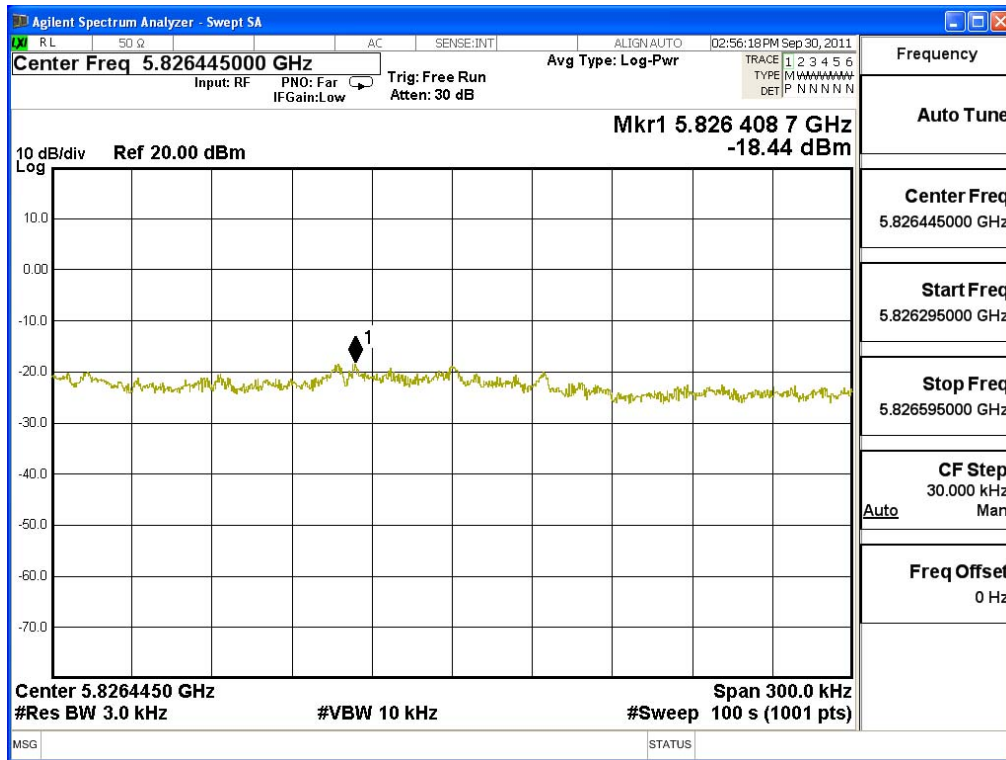


Figure Channel 165: (Chain D)



Product : WHDI Tx board
 Test Item : Power Density Data
 Test Site : No.3 OATS
 Test Mode : Mode 2: Transmit (63Mbps 40MBW) (5755MHz)

Channel No.	Frequency (MHz)	Data Rate (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
151	5755.00	63	-4.170	-6.000	-21.500	-22.230	-1.890	< 8dBm	Pass

Note: Power Density Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW)+Chain C (mW)+ Chain D (mW))

Figure Channel 151: (Chain A)

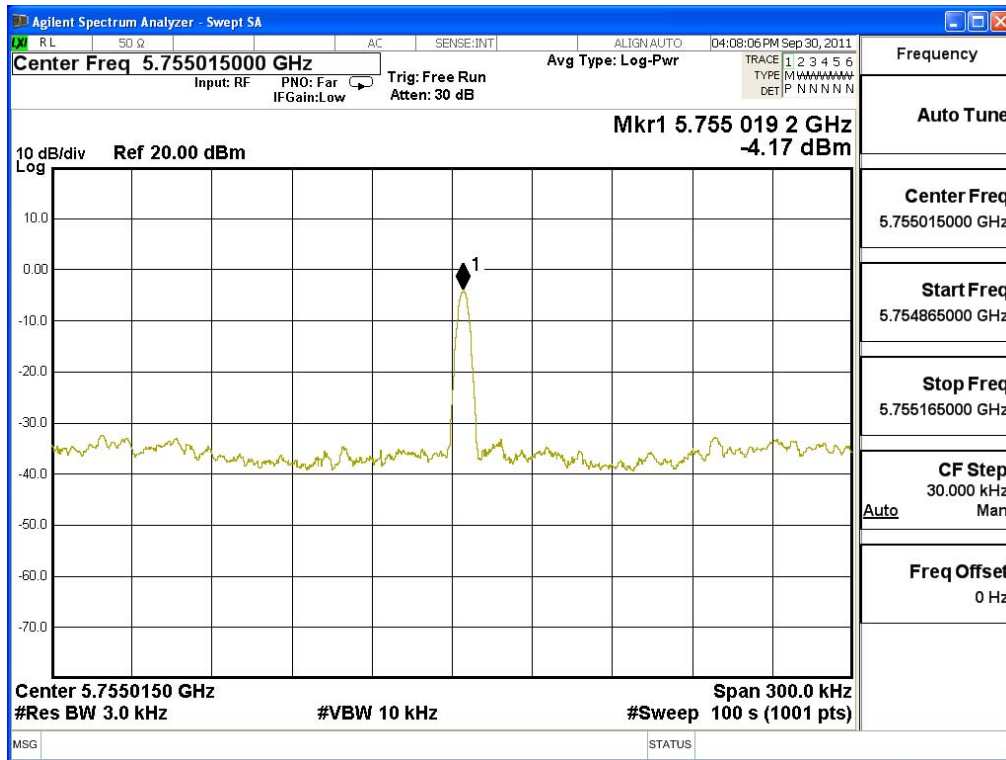


Figure Channel 151: (Chain B)

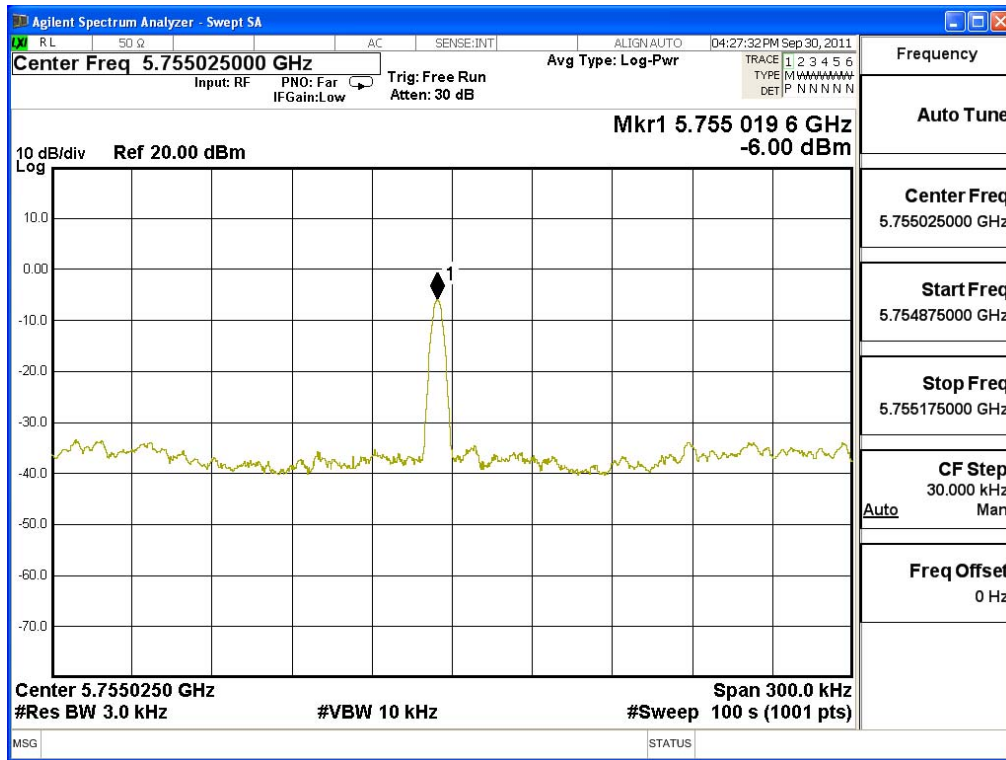


Figure Channel 151: (Chain C)

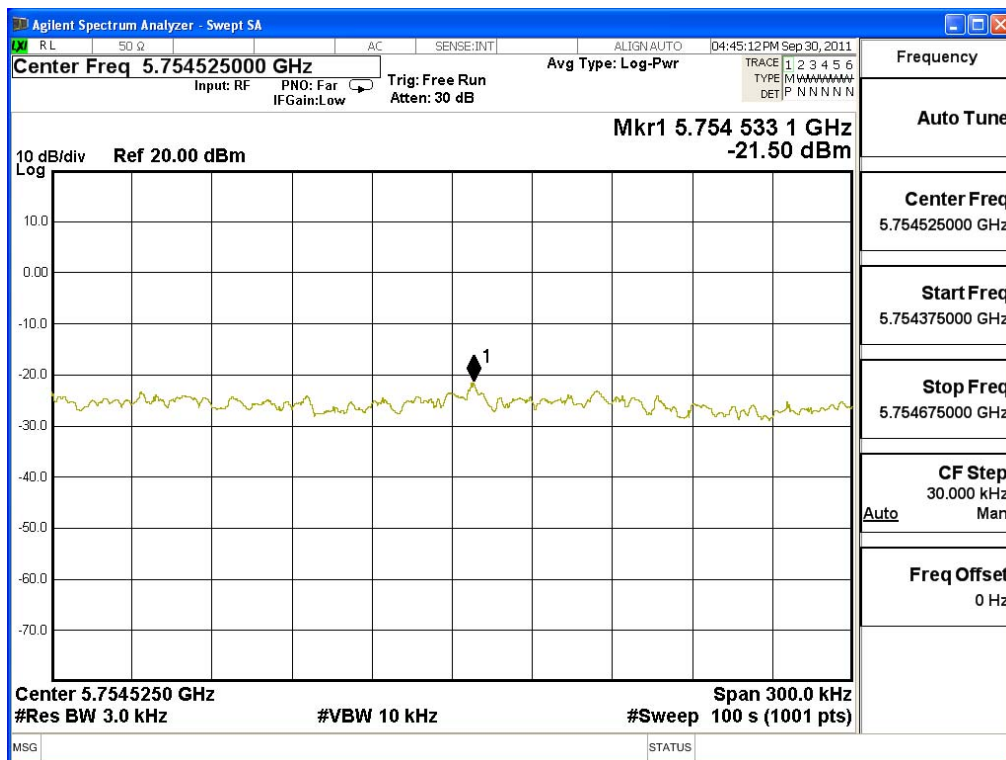
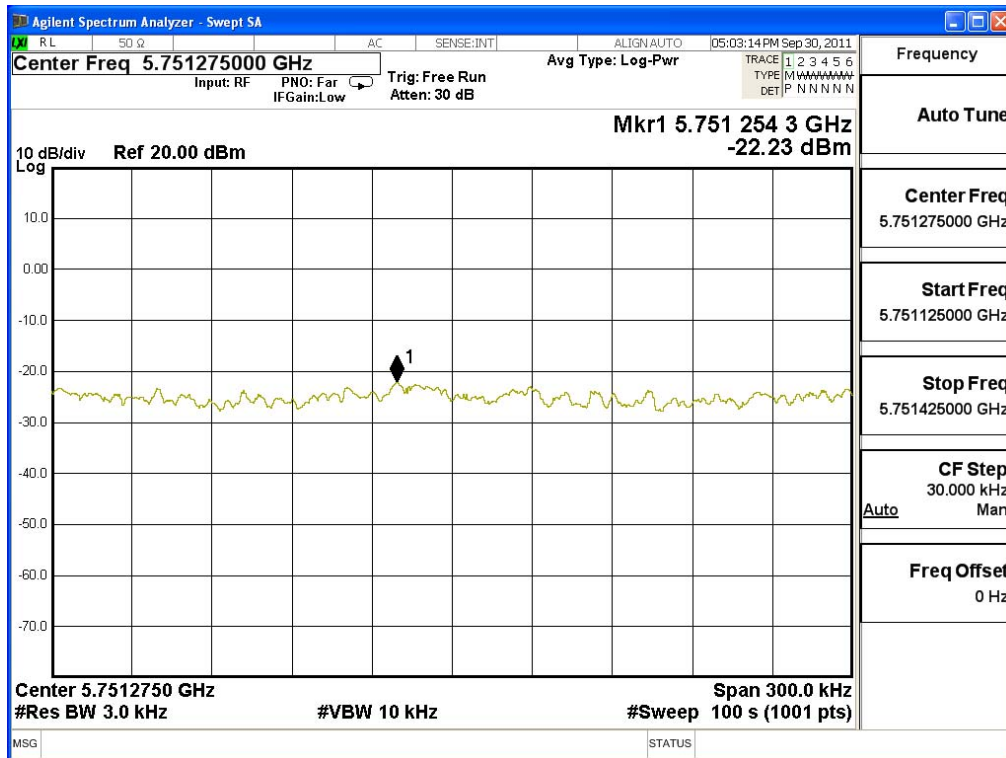


Figure Channel 151: (Chain D)



Product : WHDI Tx board
 Test Item : Power Density Data
 Test Site : No.3OATS
 Test Mode : Mode 2: Transmit (63Mbps 40MBW) (5795MHz)

Channel No.	Frequency (MHz)	Data Rata (Mbps)	Chain A Power (dBm)	Chain B Power (dBm)	Chain C Power (dBm)	Chain D Power (dBm)	Chain A+B+C+D Power (dBm)	Limit (dBm)	Result
159	5795.00	63	-20.080	-1.730	-21.330	-2.820	0.831	< 8dBm	Pass

Note: Power Density Value (dBm) = 10*LOG (Chain A (mW)+ Chain B (mW)+Chain C (mW)+ Chain D (mW))

Figure Channel 159: (Chain A)

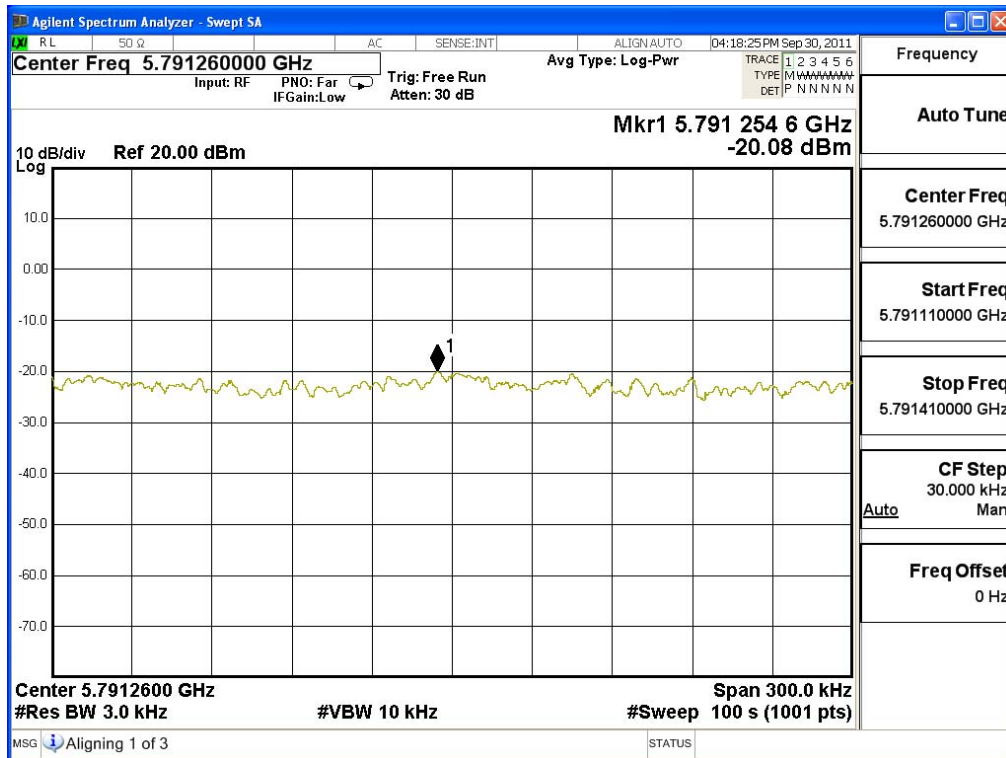


Figure Channel 159: (Chain B)

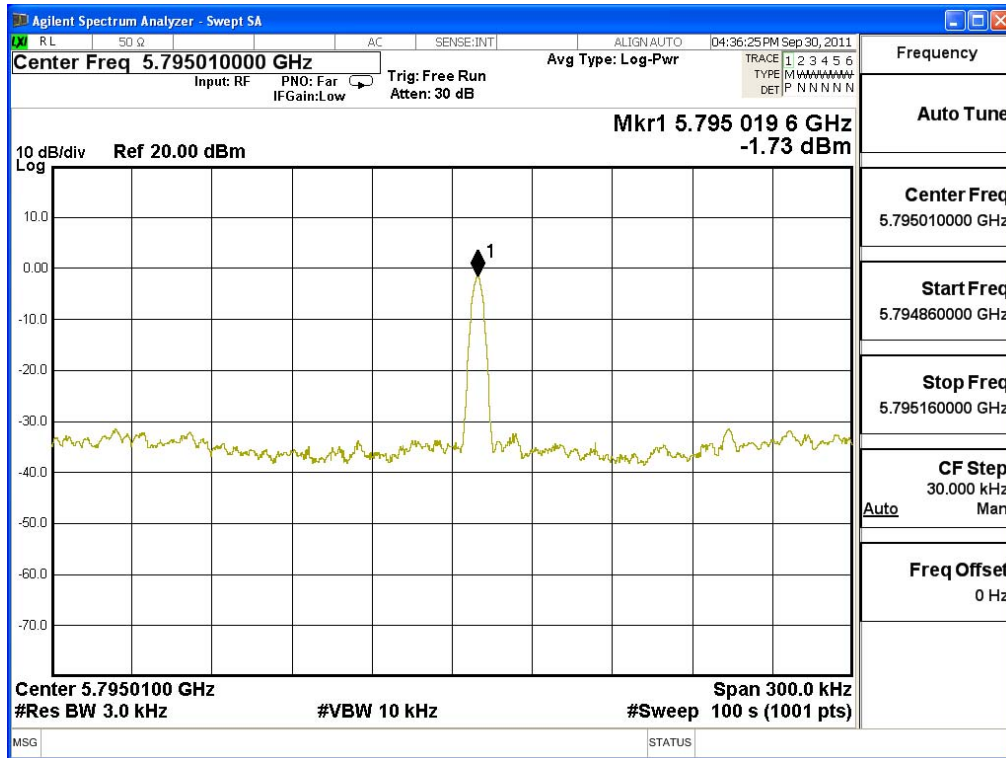


Figure Channel 159: (Chain C)

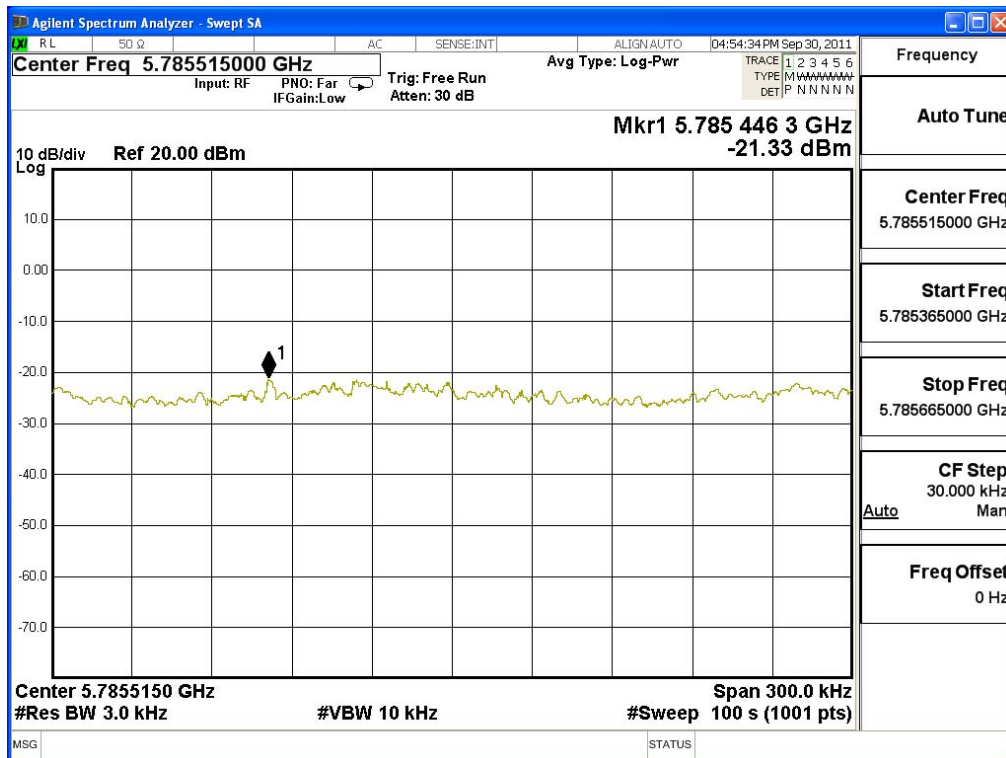
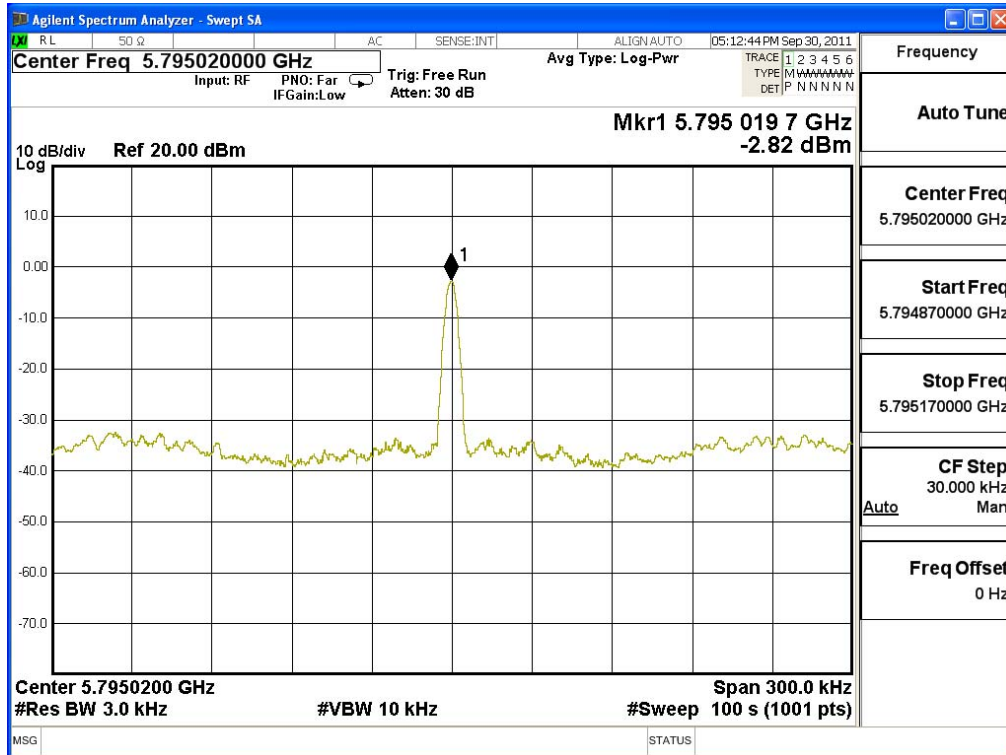


Figure Channel 159: (Chain D)



9. EMI Reduction Method During Compliance Testing

No modification was made during testing.