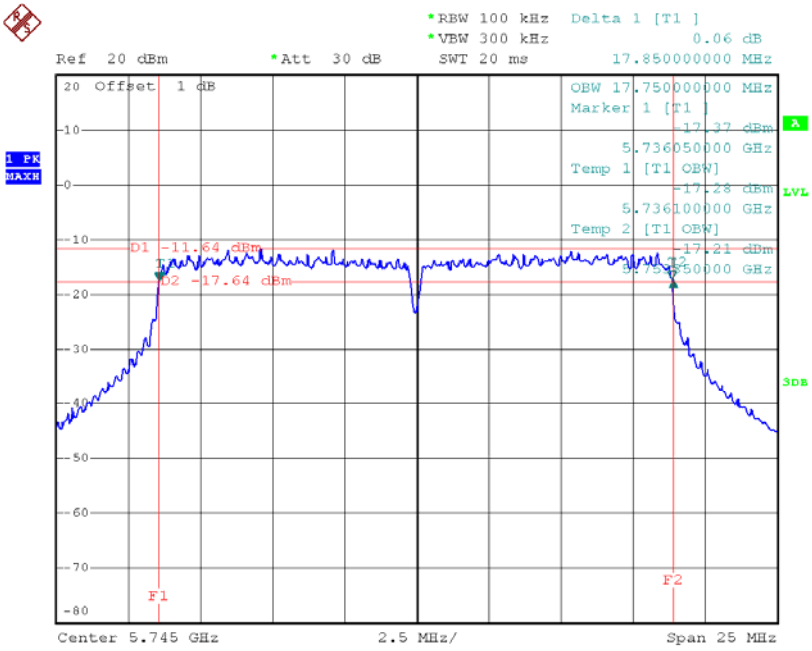
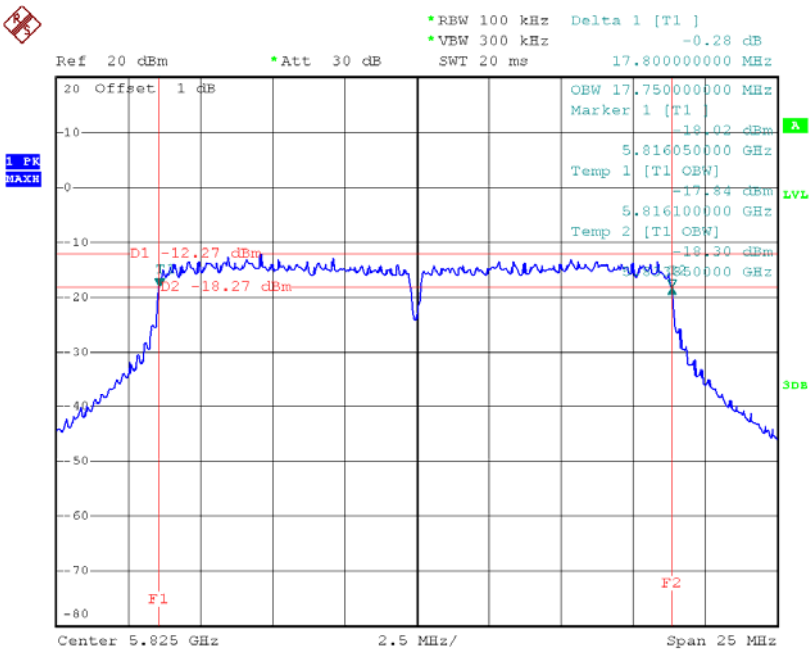
TX CH157



Date: 26.MAR.2014 01:49:00

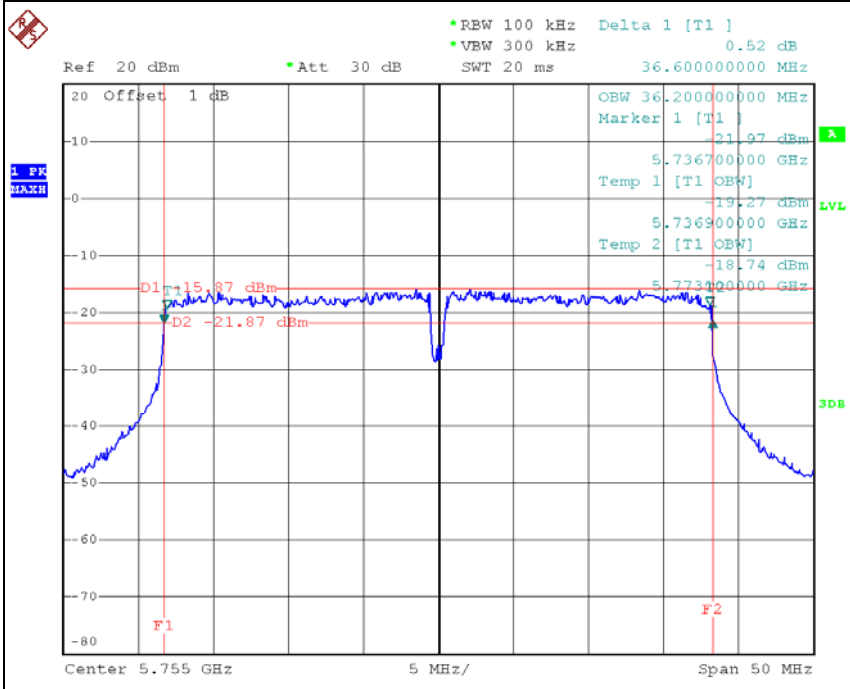
TX CH165



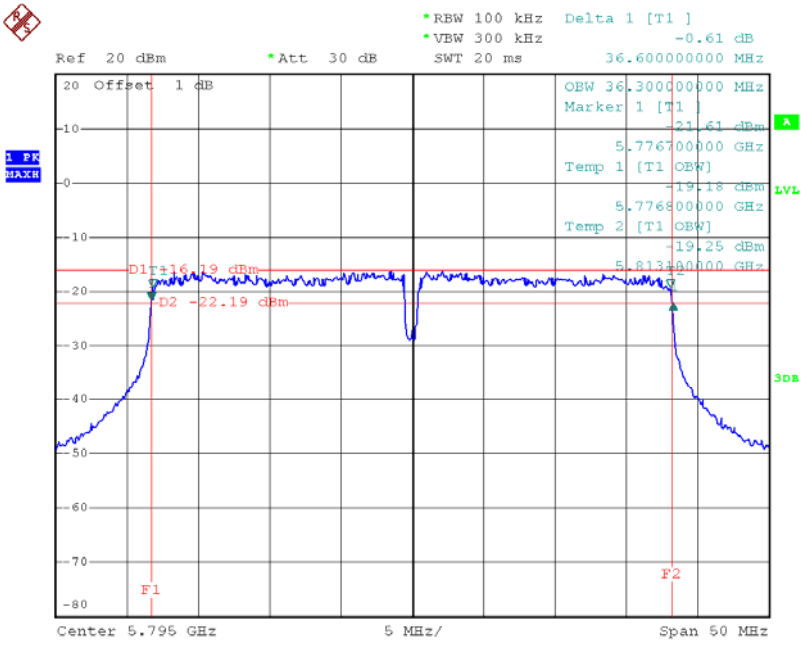
Date: 26.MAR.2014 01:59:38

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name. :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode /CH151, CH159		

TX CH151

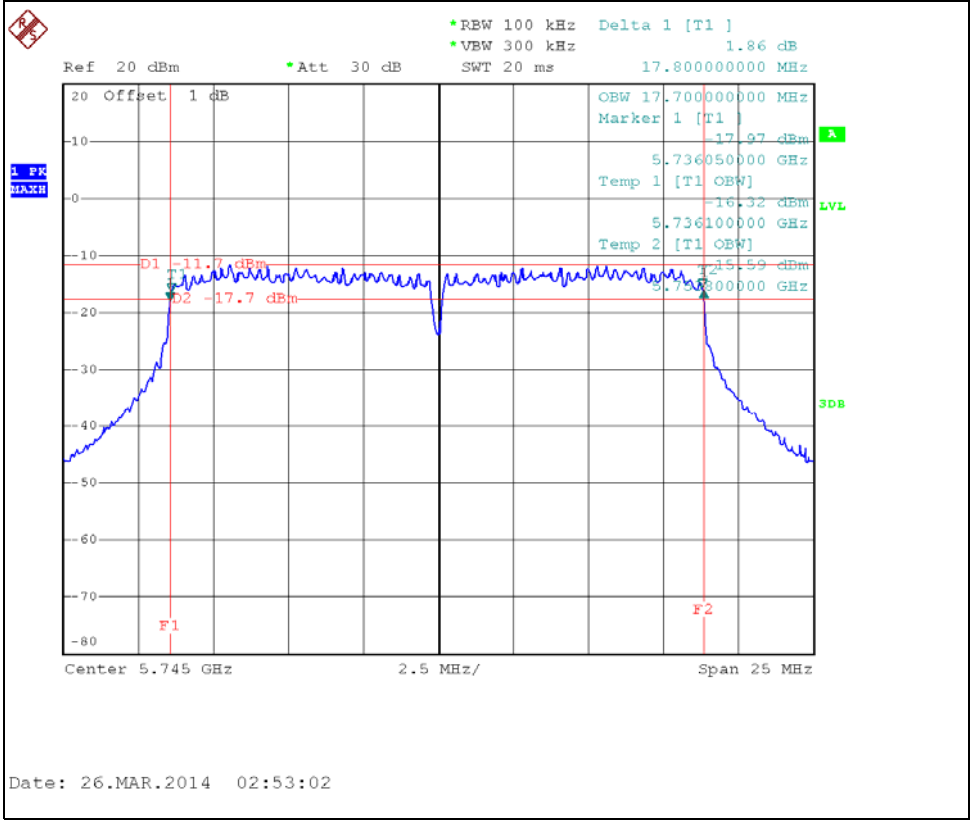


TX CH159

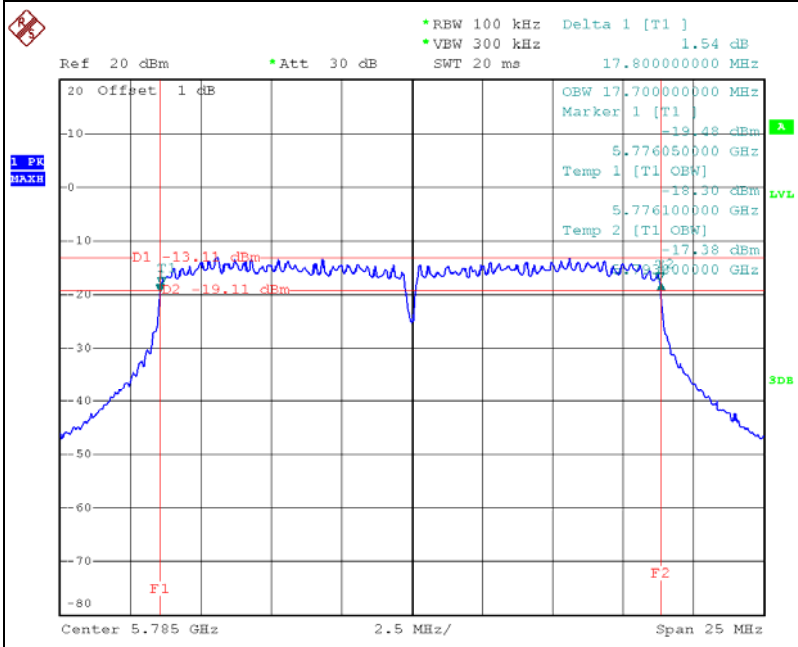

RBW 100 kHz
VBW 300 kHz
SWT 20 ms
Delta 1 [T1]
-0.61 dB
36.600000000 MHz
Ref 20 dBm
Att 30 dB
20 Offset 1 dB
OBW 36.300000000 MHz
Marker 1 [T1]
-21.61 dBm
5.776700000 GHz
Temp 1 [T1 OBW]
-19.18 dBm
5.776800000 GHz
Temp 2 [T1 OBW]
-19.25 dBm
D1 -16.19 dBm
D2 -22.19 dBm
F1
F2
Center 5.795 GHz
5 MHz/
Span 50 MHz
Date: 26.MAR.2014 02:46:03

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name. :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 20 Mode /CH149, CH157, CH165		

TX CH149

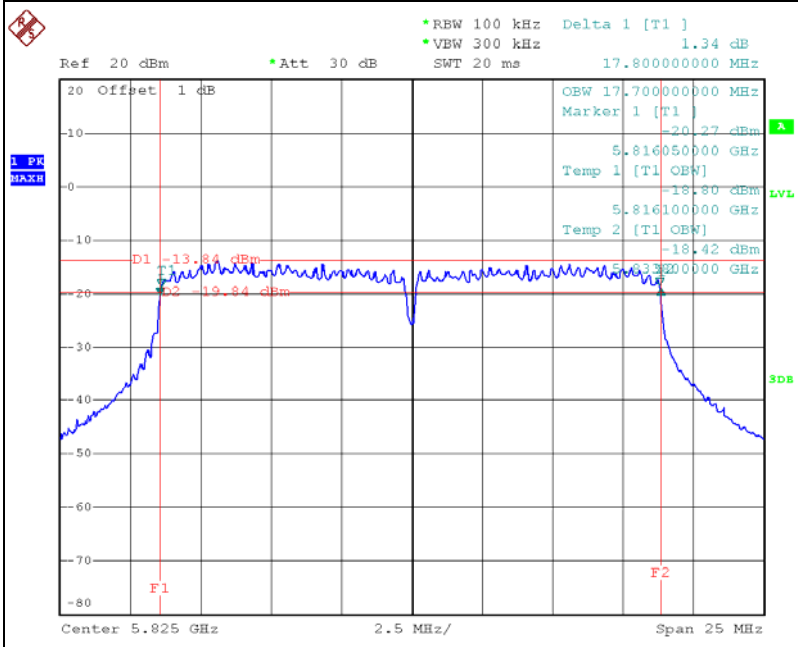


TX CH157



Date: 26.MAR.2014 03:13:15

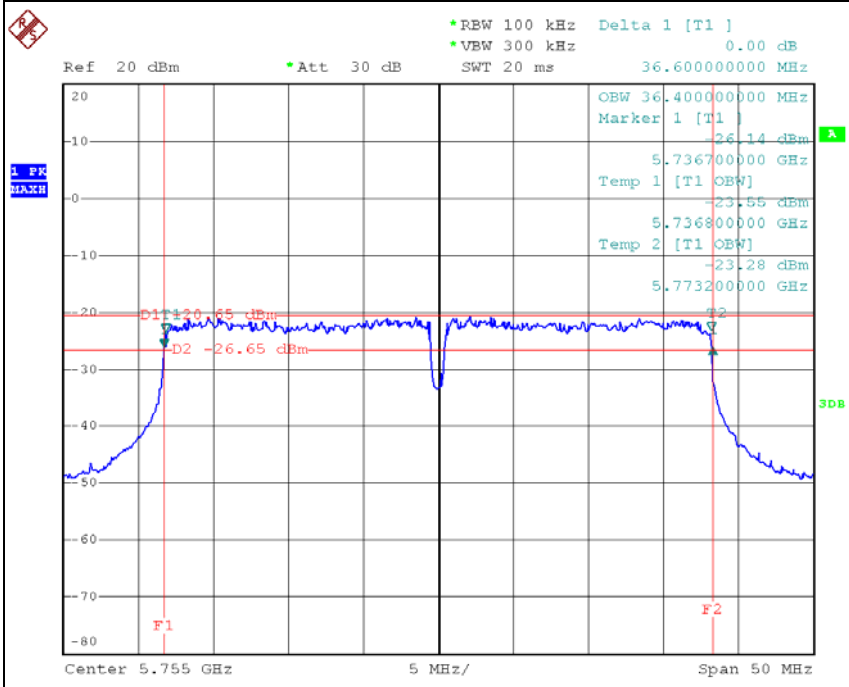
TX CH165



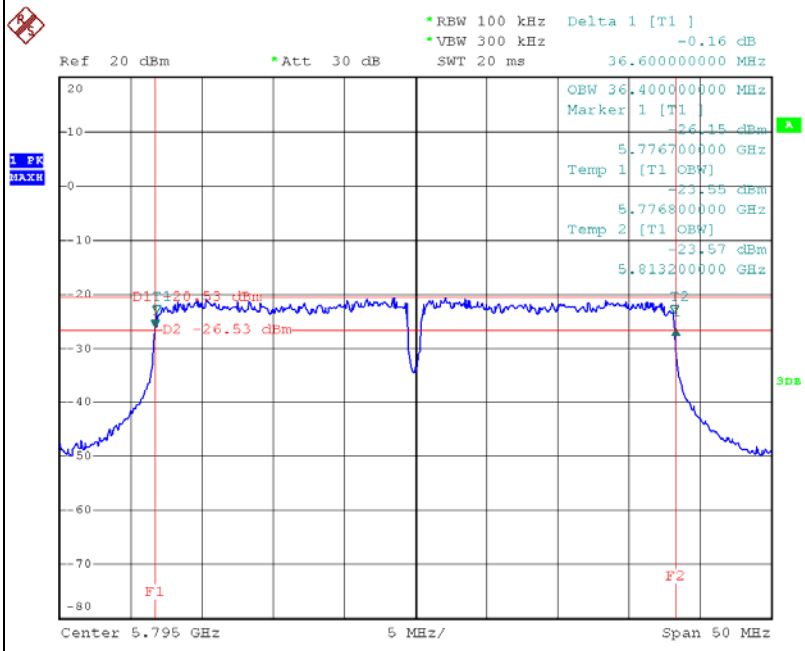
Date: 26.MAR.2014 03:11:25

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name. :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 40 Mode /CH151, CH159		

TX CH151

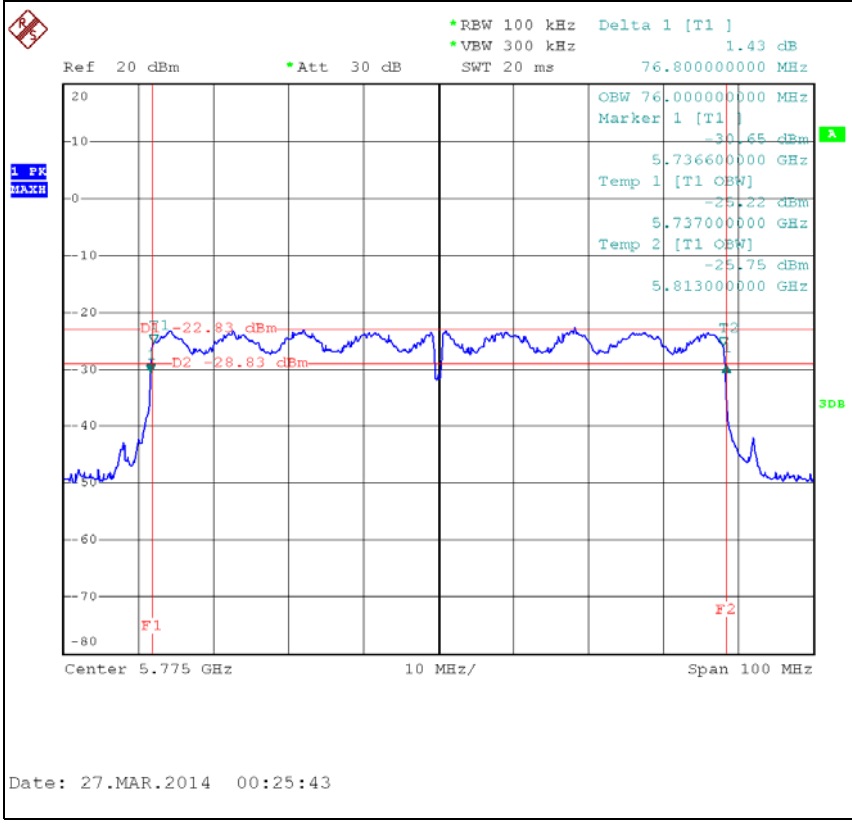


TX CH159


RBW 100 kHz
VBW 300 kHz
SWT 20 ms
Delta 1 [T1]
-0.16 dB
36.600000000 MHz
Ref 20 dBm
Att 30 dB
OBW 36.400000000 MHz
Marker 1 [T1]
-26.15 dBm
5.776700000 GHz
Temp 1 [T1 OBW]
-23.55 dBm
5.776800000 GHz
Temp 2 [T1 OBW]
-23.57 dBm
5.813200000 GHz
1 PK MAXH
D1 -20.53 dBm
D2 -26.53 dBm
F1
F2
3DB
Center 5.795 GHz
5 MHz/
Span 50 MHz
Date: 27.MAR.2014 00:00:41

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name. :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 80 Mode /CH155		

TX CH151



6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 watt or 30dBm	5725 - 5825	PASS

6.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Apr. 25, 2014
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Apr. 25, 2014

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of Equipment List is One Year.

6.1.2 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.1.3 of FCC KDB 558074 D01 DTS Meas Guidance v03r01(A,N20,N40 mode) and 662911 D01 Multiple Transmitter Output v01r02(N20,N40 mode)

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP

6.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.6 TEST RESULTS

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX A Mode /CH149, CH157, CH165		

ANT 6				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH149	5745 MHz	12.89	30	1
CH157	5785 MHz	12.69	30	1
CH165	5825 MHz	12.45	30	1

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode /CH149, CH157, CH165		

ANT 6				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH149	5745 MHz	12.88	30	1
CH157	5785 MHz	12.71	30	1
CH165	5825 MHz	12.75	30	1

ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH149	5745 MHz	12.71	30	1
CH157	5785 MHz	12.53	30	1
CH165	5825 MHz	12.83	30	1

ANT 6 + ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH149	5745 MHz	15.81	30	1
CH157	5785 MHz	15.63	30	1
CH165	5825 MHz	15.80	30	1

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode /CH151, CH159		

ANT 6				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH151	5755 MHz	12.64	30	1
CH159	5795 MHz	12.48	30	1

ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH151	5755 MHz	12.72	30	1
CH159	5795 MHz	12.57	30	1

ANT 6 + ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH151	5755 MHz	15.69	30	1
CH159	5795 MHz	15.54	30	1

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.
.

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 20 Mode /CH149, CH157, CH165		

ANT 6				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH149	5745 MHz	12.88	30	1
CH157	5785 MHz	12.70	30	1
CH165	5825 MHz	12.51	30	1

ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH149	5745 MHz	12.71	30	1
CH157	5785 MHz	12.53	30	1
CH165	5825 MHz	12.85	30	1

ANT 6 + ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH149	5745 MHz	15.81	30	1
CH157	5785 MHz	15.63	30	1
CH165	5825 MHz	15.69	30	1

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 40 Mode /CH151, CH159		

ANT 6				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH151	5755 MHz	12.64	30	1
CH159	5795 MHz	12.48	30	1

ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH151	5755 MHz	12.72	30	1
CH159	5795 MHz	12.57	30	1

ANT 6 + ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH151	5755 MHz	15.69	30	1
CH159	5795 MHz	15.54	30	1

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 80 Mode /CH155		

ANT 6				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH155	5795 MHz	12.65	30	1

ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH155	5795 MHz	12.42	30	1

ANT 6 + ANT 7				
Test Channel	Frequency (MHz)	Maximum Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH155	5755 MHz	15.55	30	1

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

20dB in any 100 KHz bandwidth outside the operating frequency band, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	(dBuV/m) (at 3 meters)	
	Peak	Average
Above 1000	74	54

7.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of Equipment List is One Year.

7.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting : RBW= 100KHz, VBW=300KHz, Sweep time =20 ms.

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP

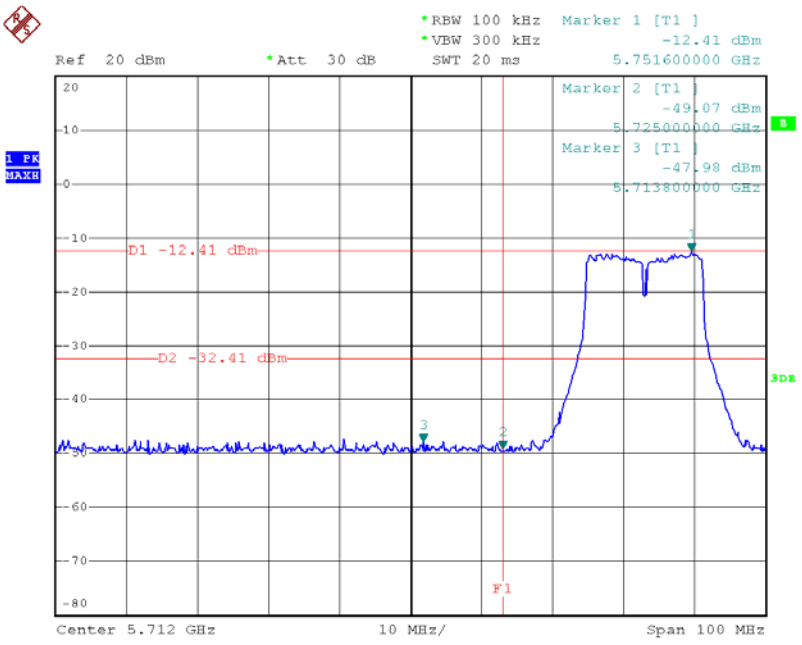
7.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.6 TEST RESULTS

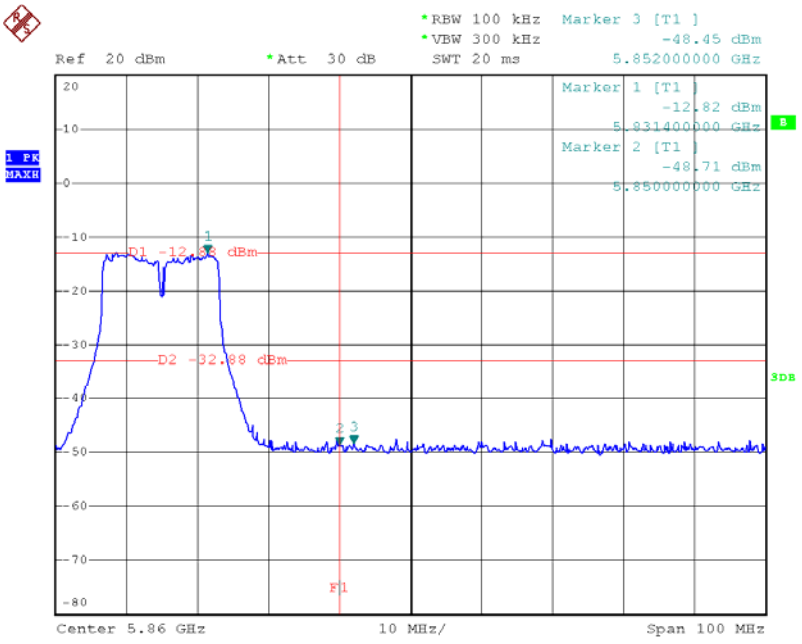
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX A Mode /CH149, CH157, CH165		

TX mode CH149



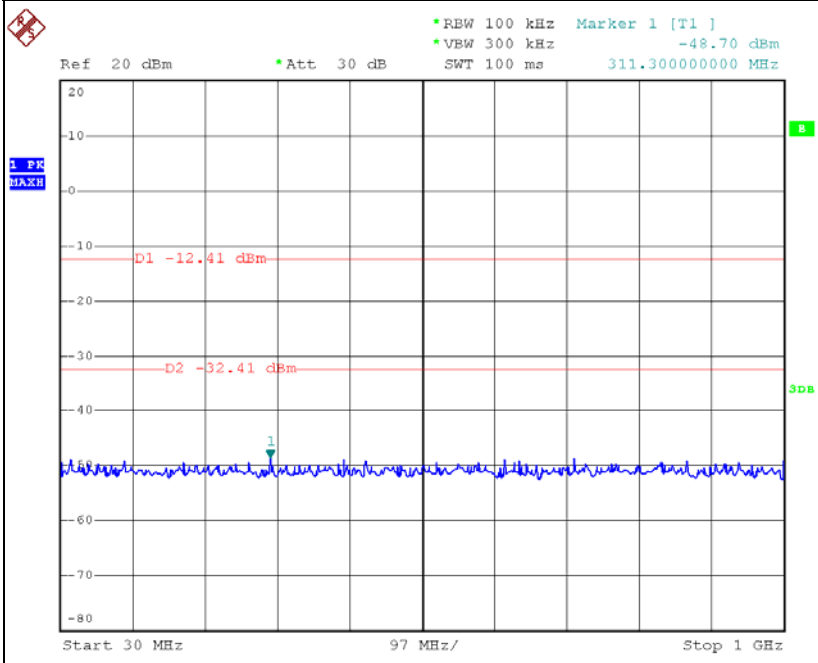
Date: 26.MAR.2014 01:22:50

TX mode CH165



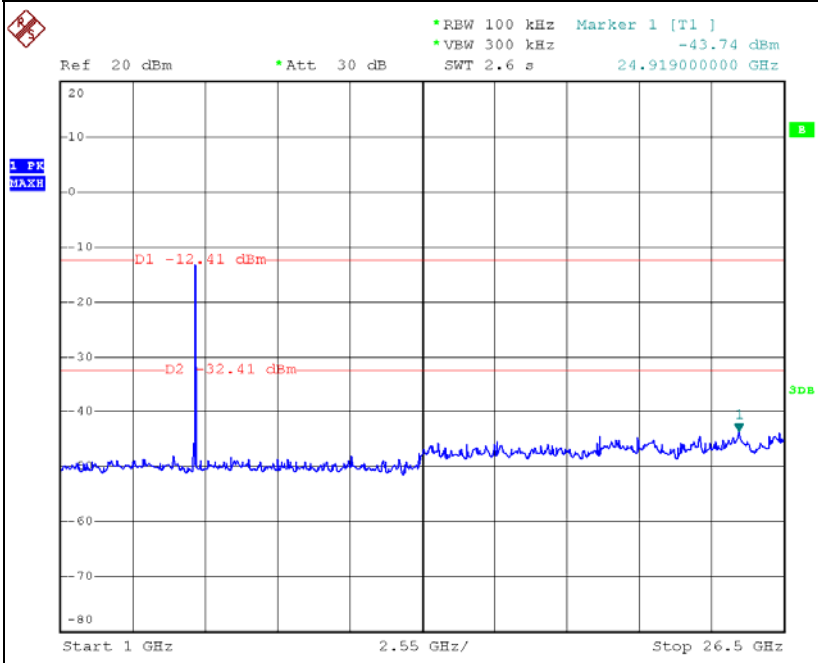
Date: 26.MAR.2014 01:37:39

TX mode CH149 (30M~1000MHz)



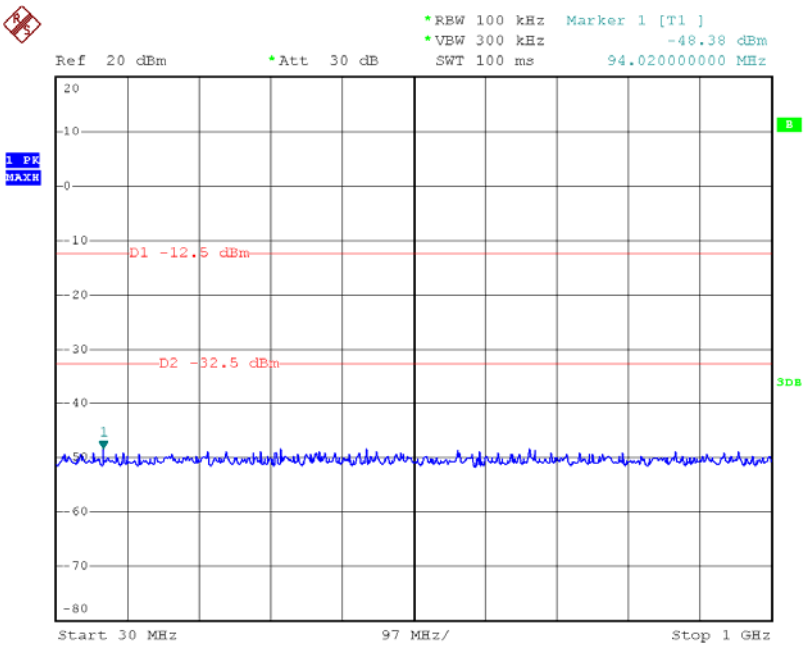
Date: 26.MAR.2014 01:23:14

TX mode CH149 (1000MHz~10th Harmonic)



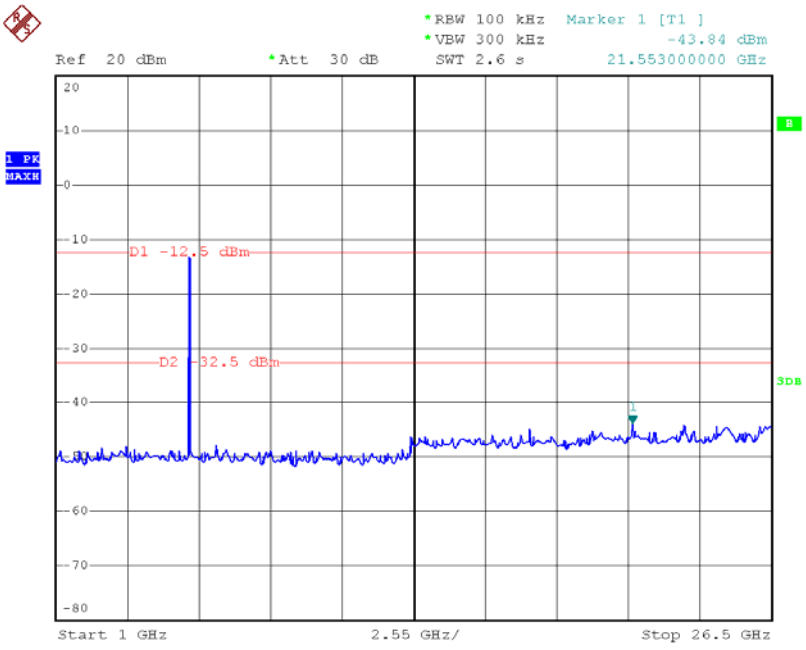
Date: 26.MAR.2014 01:23:36

TX mode CH157 (30M~1000MHz)



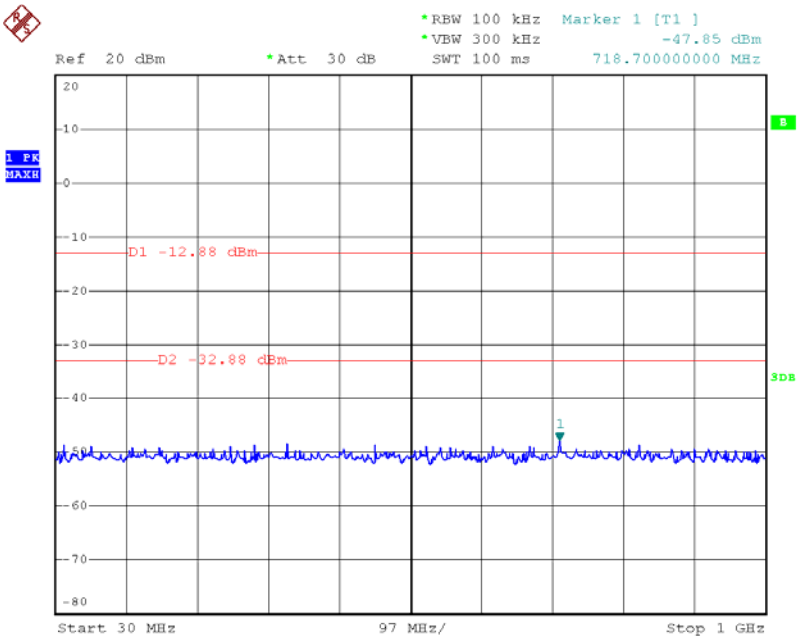
Date: 26.MAR.2014 01:41:13

TX mode CH157 (1000MHz~10th Harmonic)



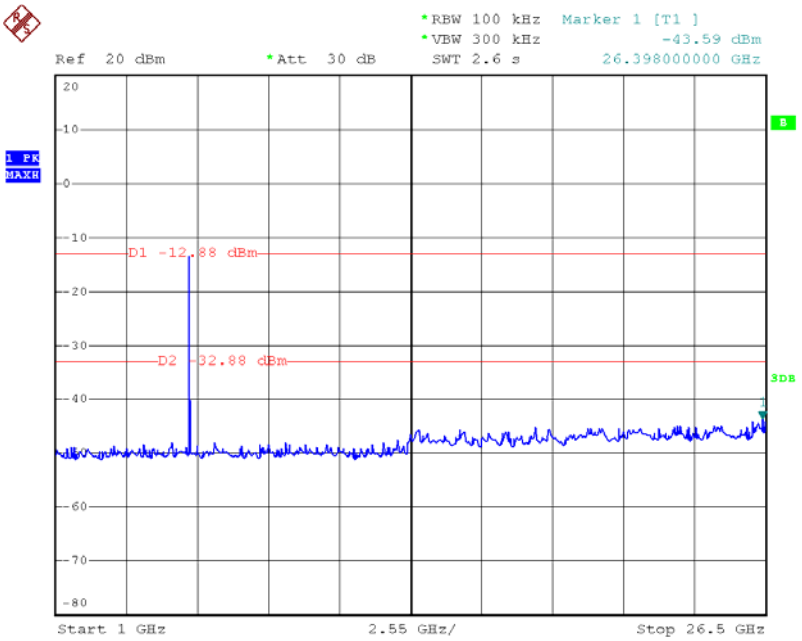
Date: 26.MAR.2014 01:41:31

TX mode CH165 (30M~1000MHz)



Date: 26.MAR.2014 01:38:14

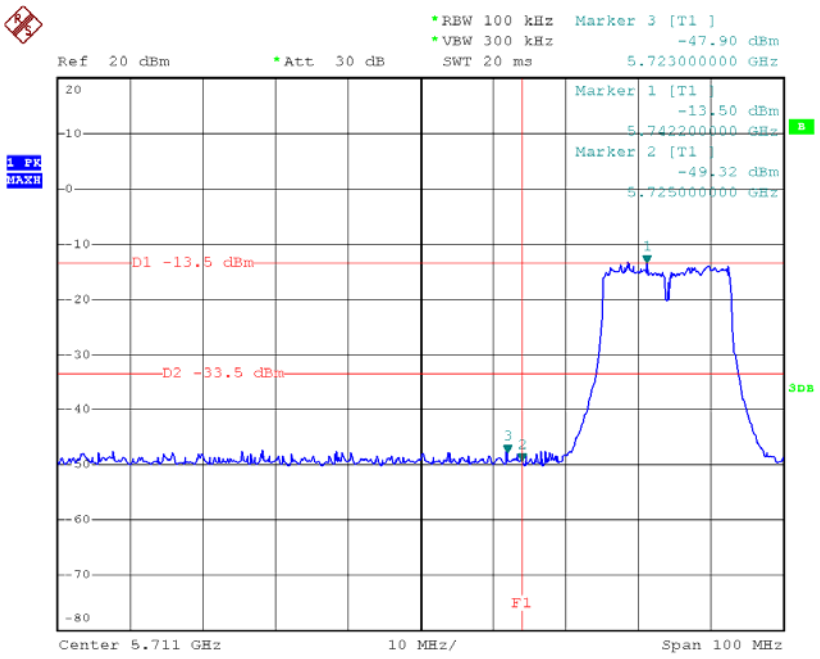
TX mode CH165 (1000MHz~10th Harmonic)



Date: 26.MAR.2014 01:38:31

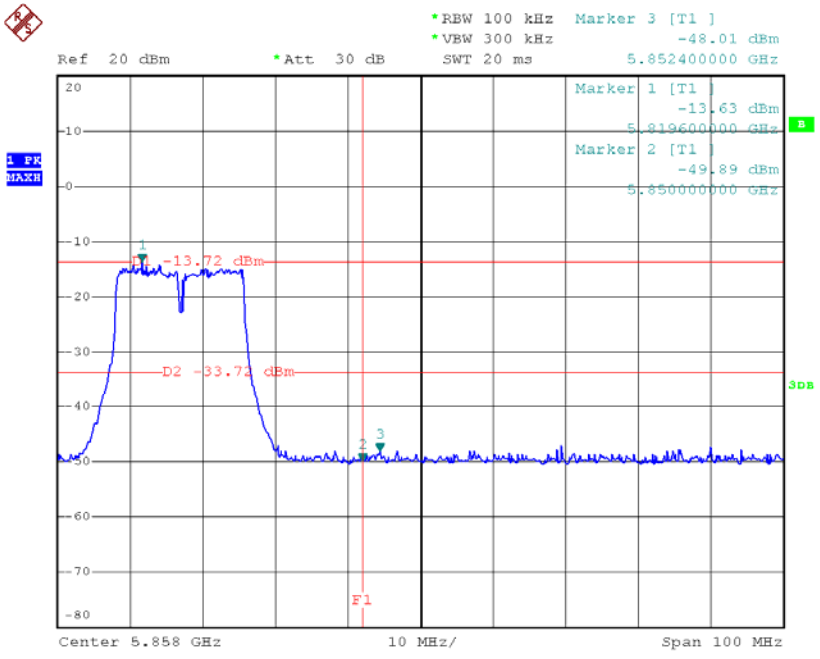
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20Mode /CH149, CH157, CH165 / ANT 6		

TX mode CH149



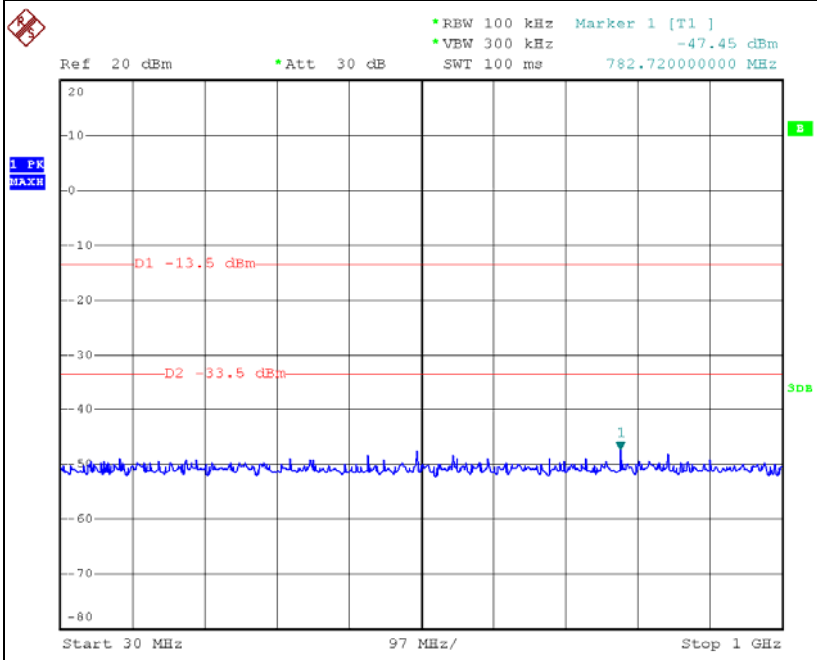
Date: 26.MAR.2014 01:50:34

TX mode CH165



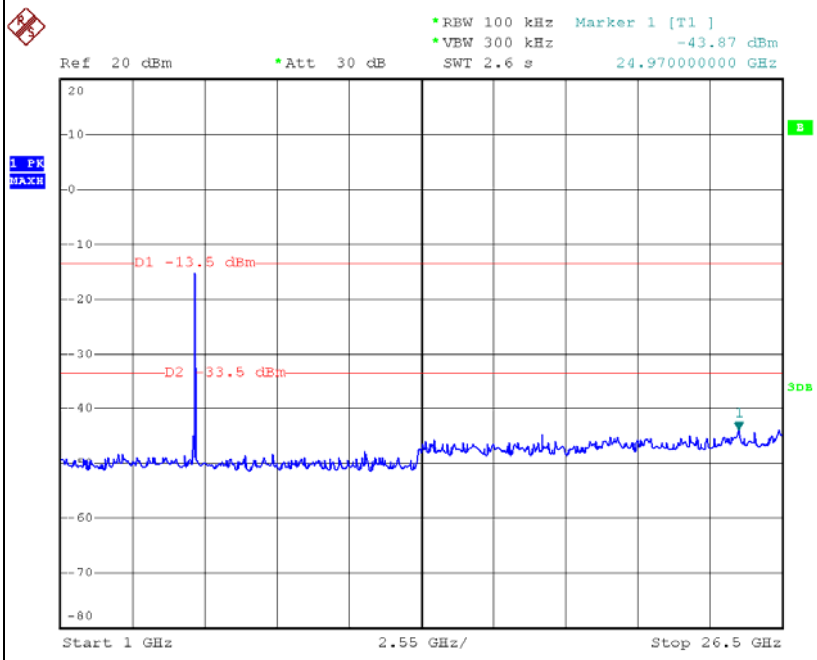
Date: 26.MAR.2014 02:03:24

TX mode CH149 (30M~1000MHz)



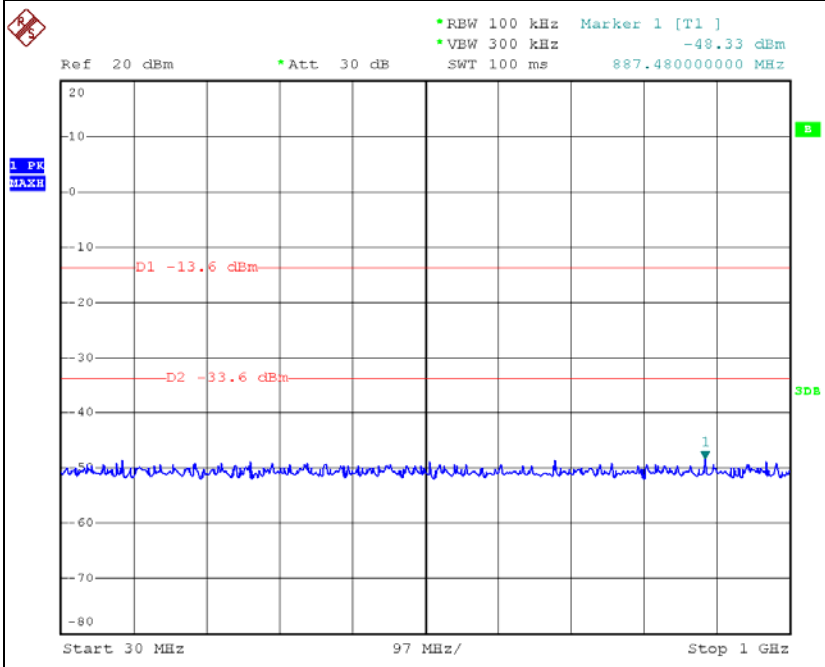
Date: 26.MAR.2014 01:51:22

TX mode CH149 (1000MHz~10th Harmonic)



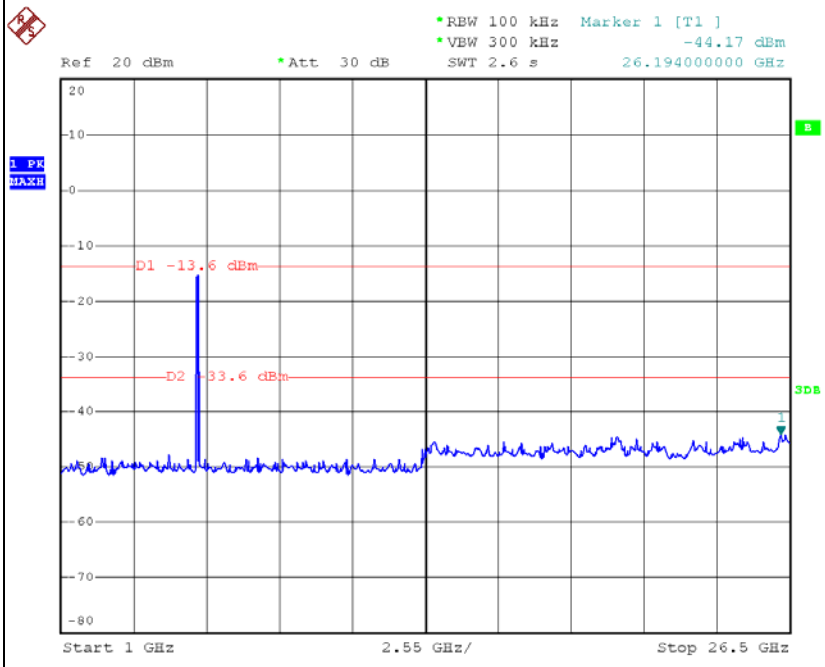
Date: 26.MAR.2014 01:51:45

TX mode CH157 (30M~1000MHz)



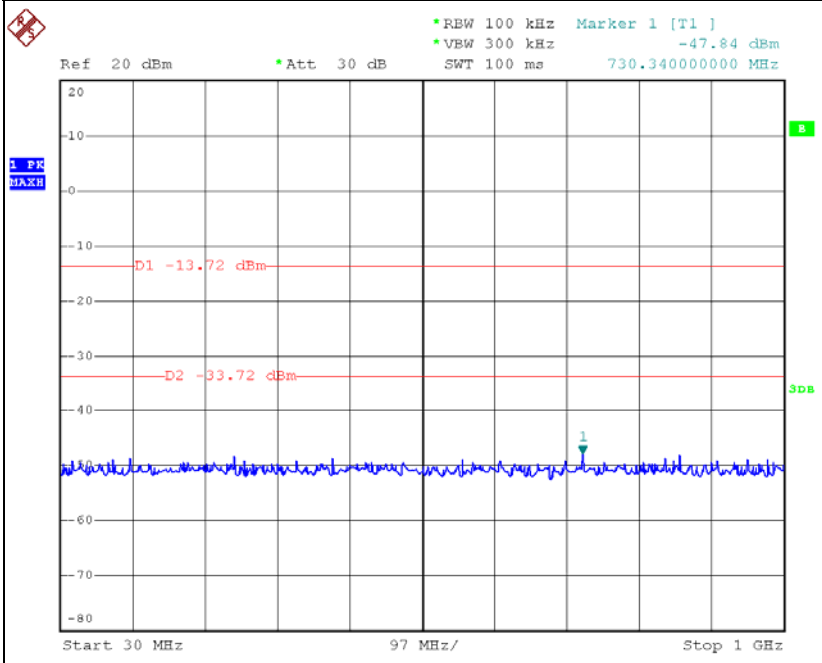
Date: 26.MAR.2014 02:07:42

TX mode CH157 (1000MHz~10th Harmonic)



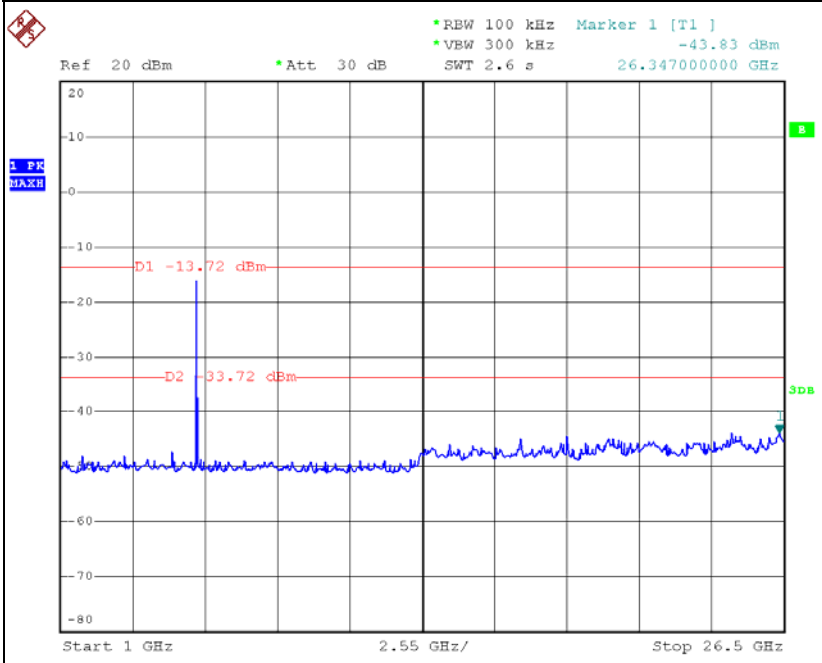
Date: 26.MAR.2014 02:08:25

TX mode CH165 (30M~1000MHz)



Date: 26.MAR.2014 02:04:13

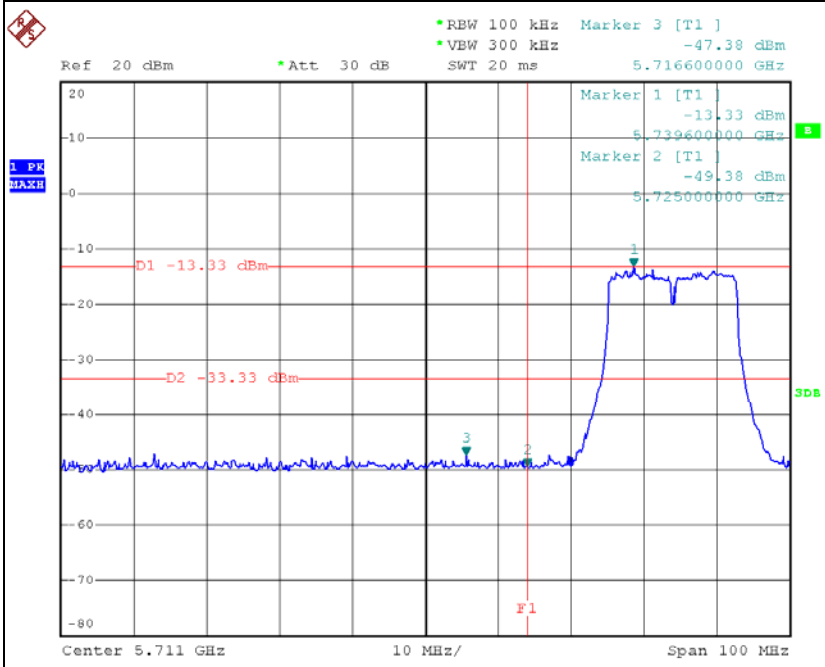
TX mode CH165 (1000MHz~10th Harmonic)



Date: 26.MAR.2014 02:04:30

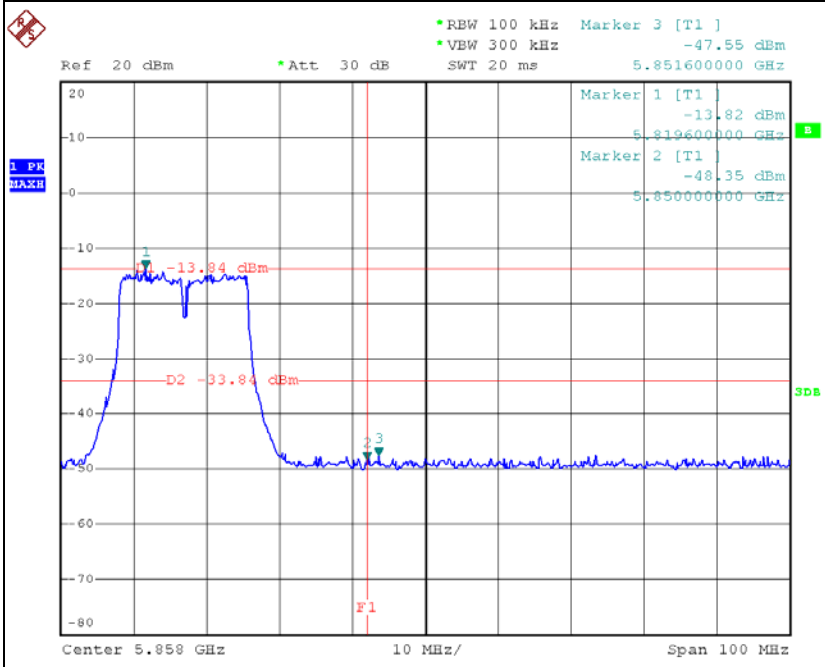
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode /CH149, CH157, CH165 / ANT 7		

TX mode CH149



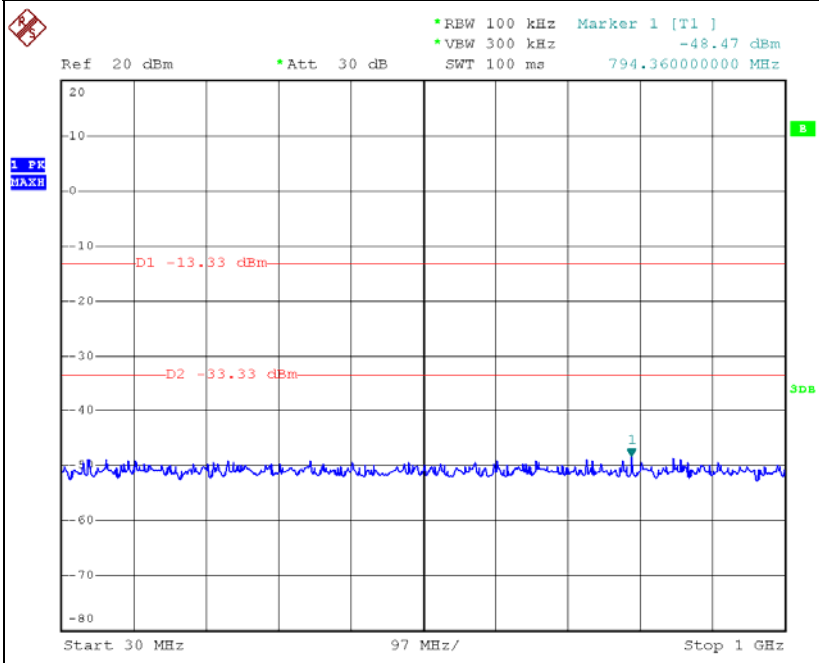
Date: 26.MAR.2014 01:53:36

TX mode CH165



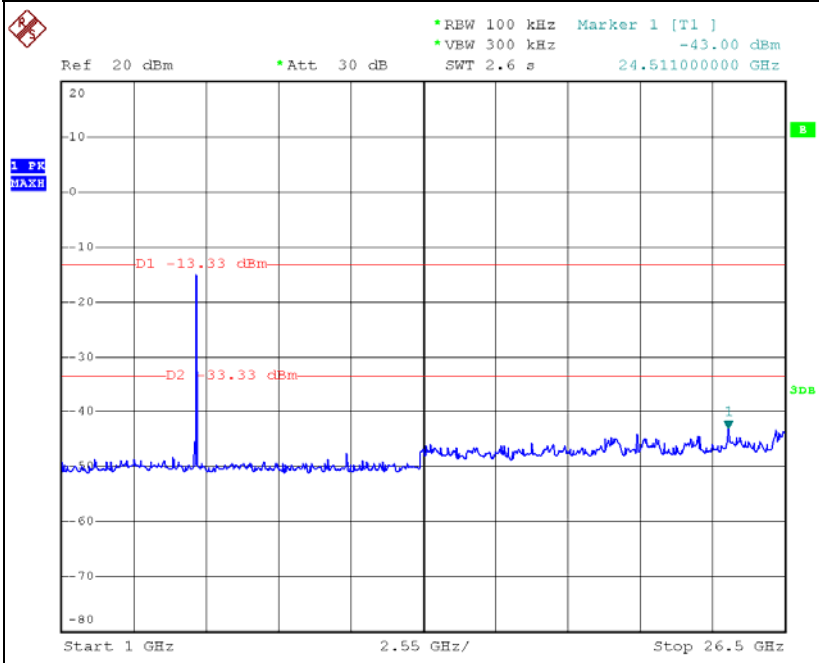
Date: 26.MAR.2014 02:02:39

TX mode CH149 (30M~1000MHz)



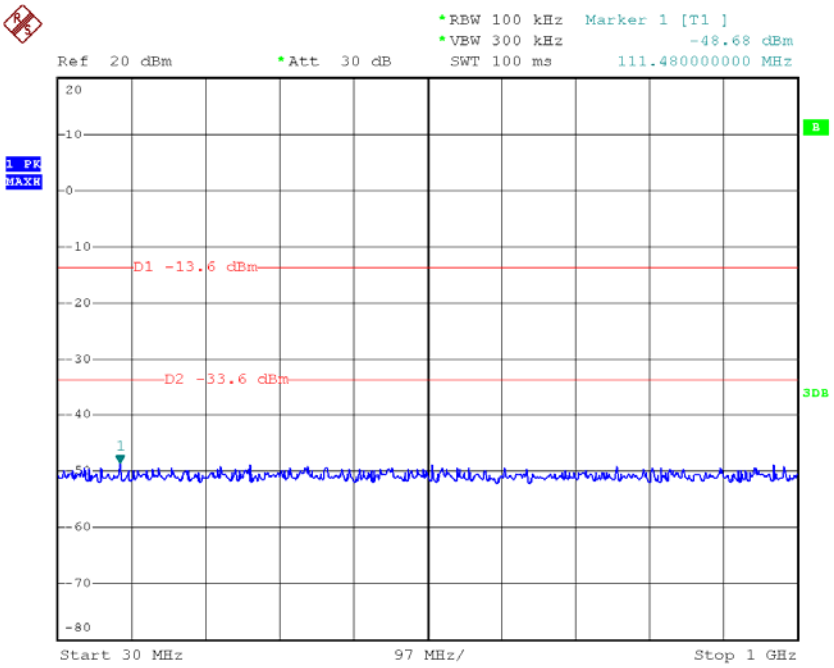
Date: 26.MAR.2014 01:53:52

TX mode CH149 (1000MHz~10th Harmonic)



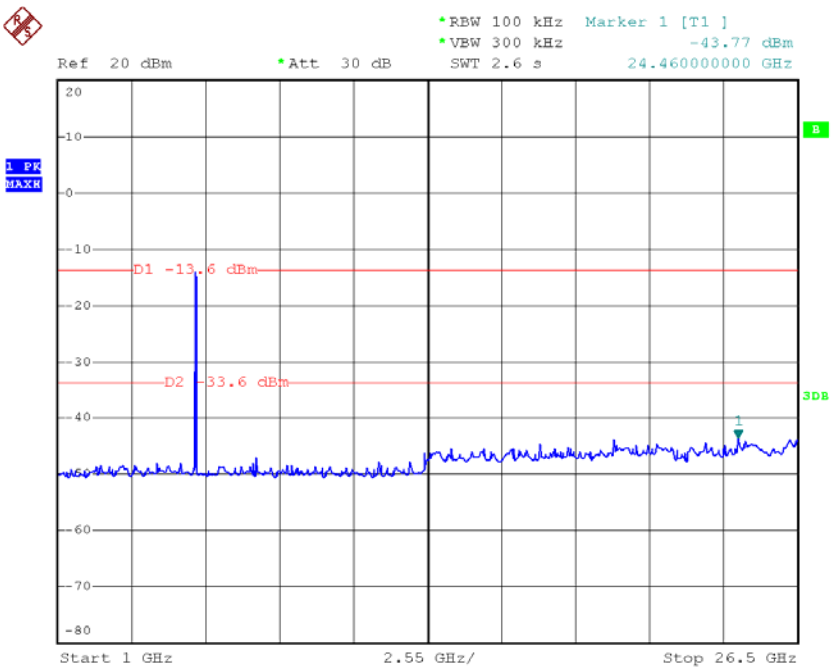
Date: 26.MAR.2014 01:54:08

TX mode CH157 (30M~1000MHz)



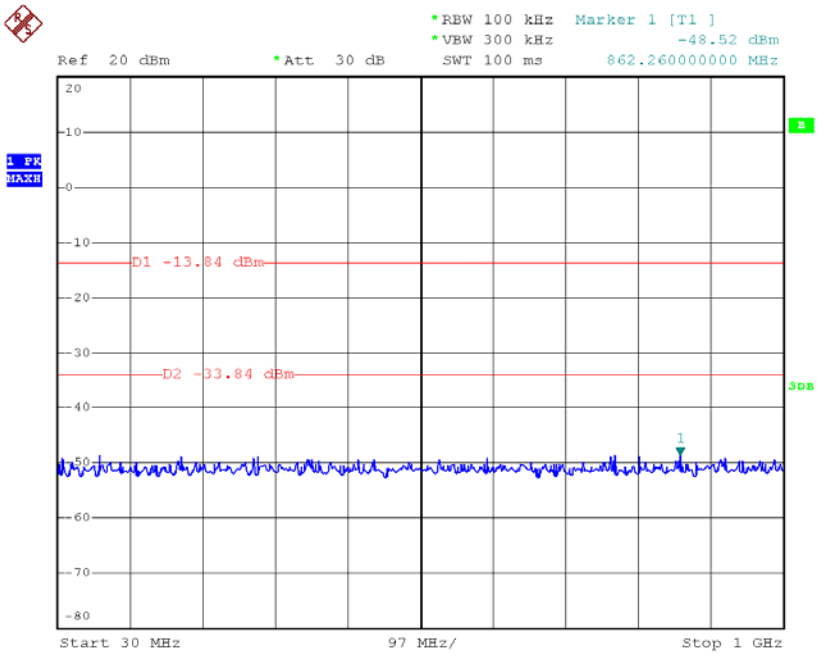
Date: 26.MAR.2014 02:07:39

TX mode CH157 (1000MHz~10th Harmonic)



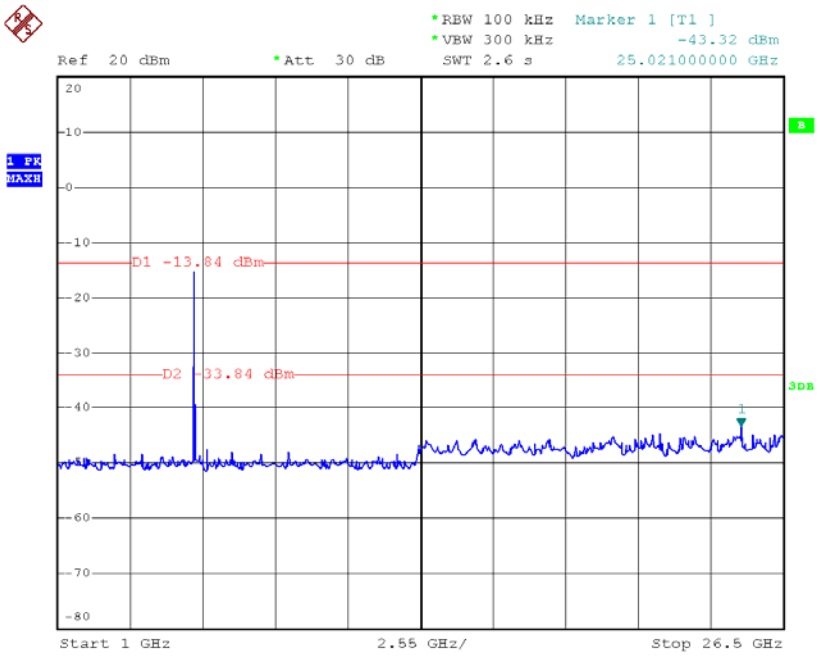
Date: 26.MAR.2014 02:08:14

TX mode CH165 (30M~1000MHz)



Date: 26.MAR.2014 02:05:42

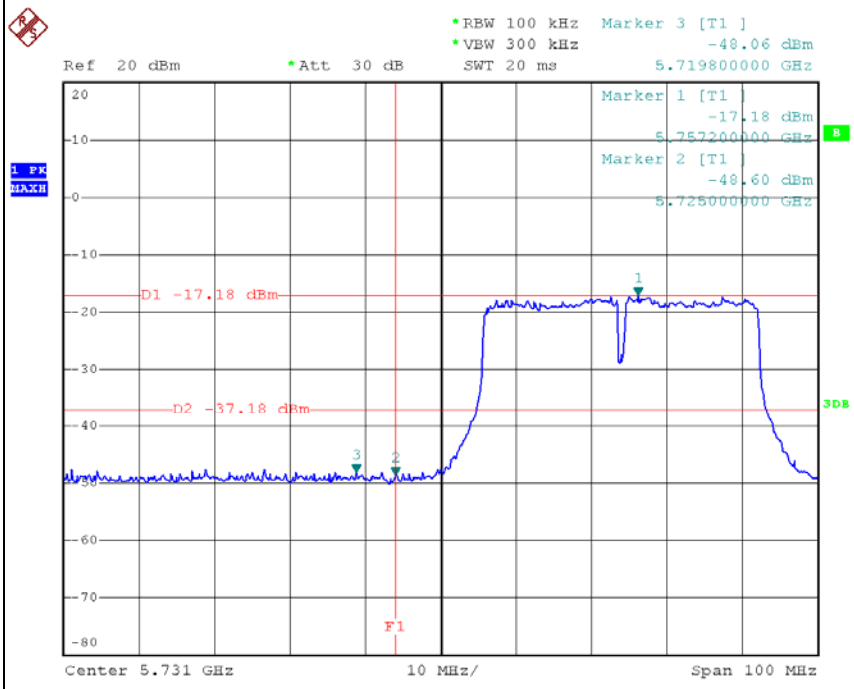
TX mode CH165 (1000MHz~10th Harmonic)



Date: 26.MAR.2014 02:05:31

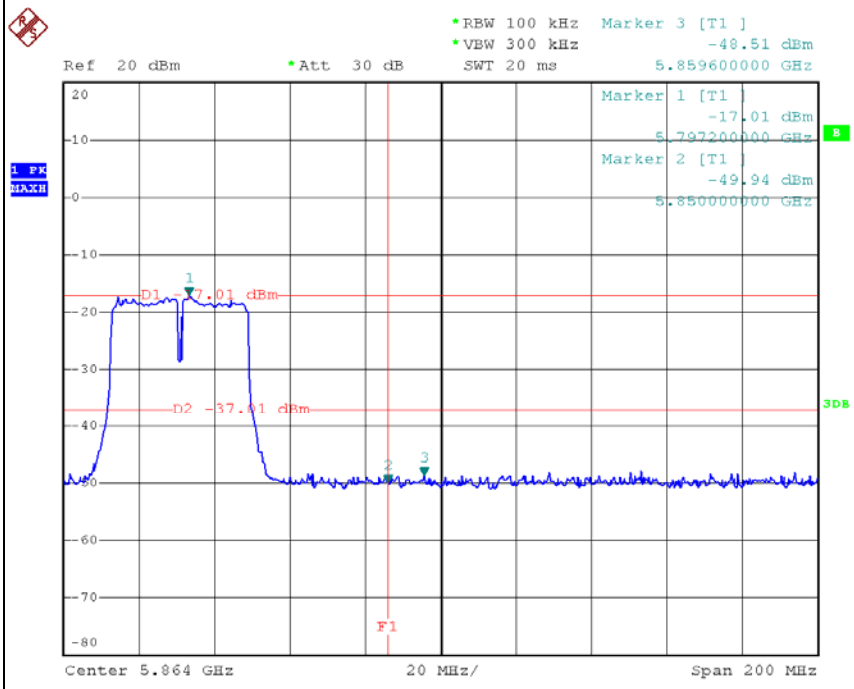
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode /CH151, CH159 / ANT 6		

TX mode CH151



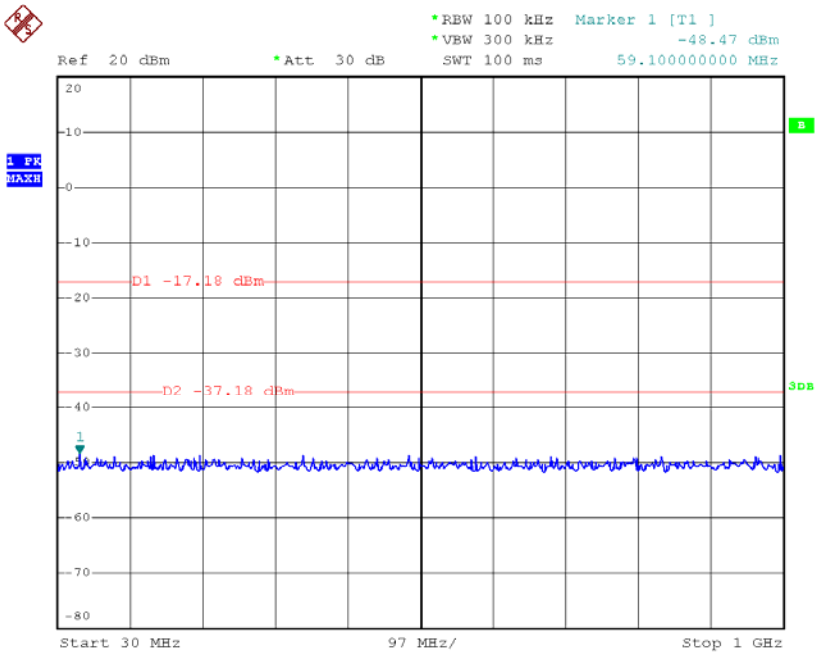
Date: 26.MAR.2014 02:26:43

TX mode CH159



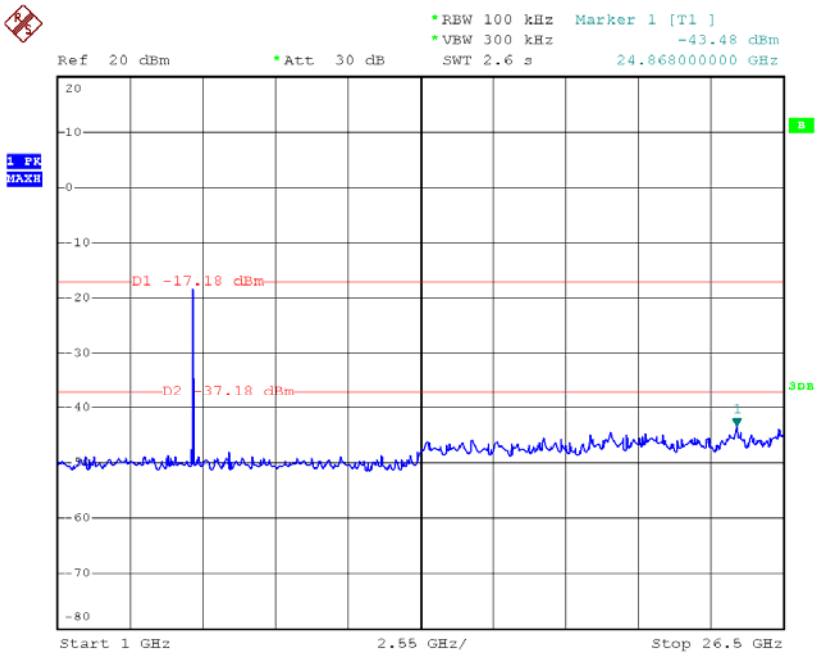
Date: 26.MAR.2014 02:36:57

TX mode CH151(30M~1000MHz)



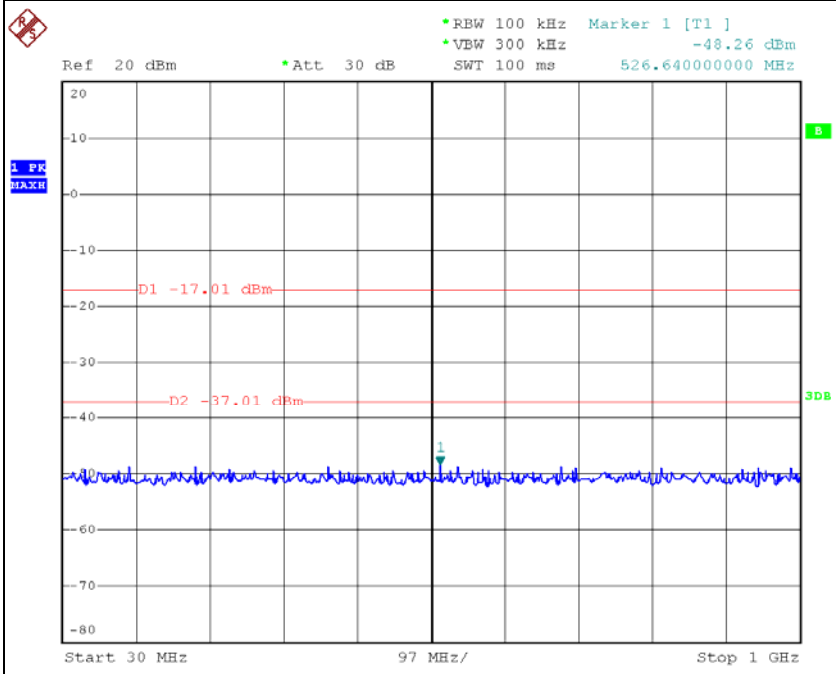
Date: 26.MAR.2014 02:27:31

TX mode CH151 (1000MHz~10th Harmonic)



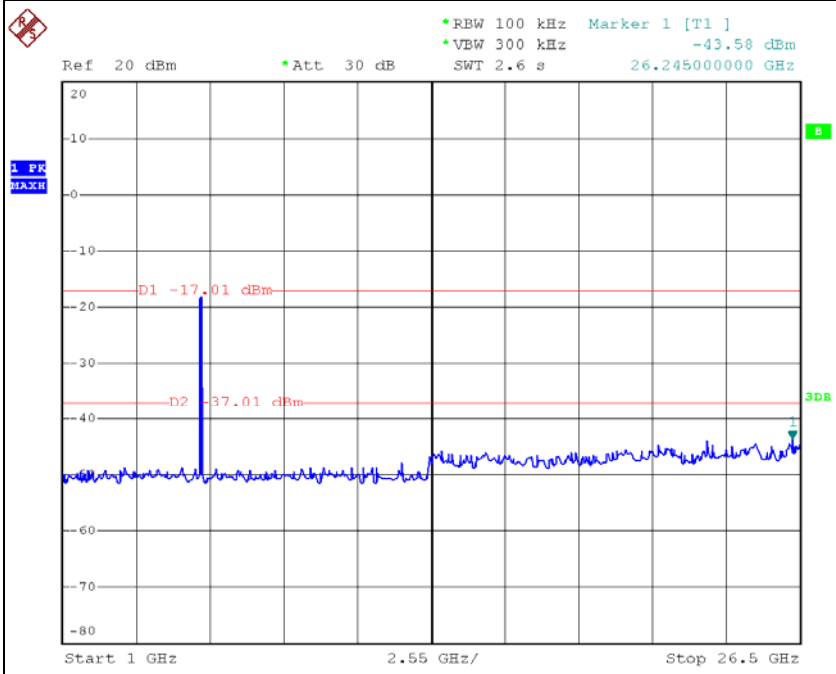
Date: 26.MAR.2014 02:27:48

TX mode CH159 (30M~1000MHz)



Date: 26.MAR.2014 02:38:09

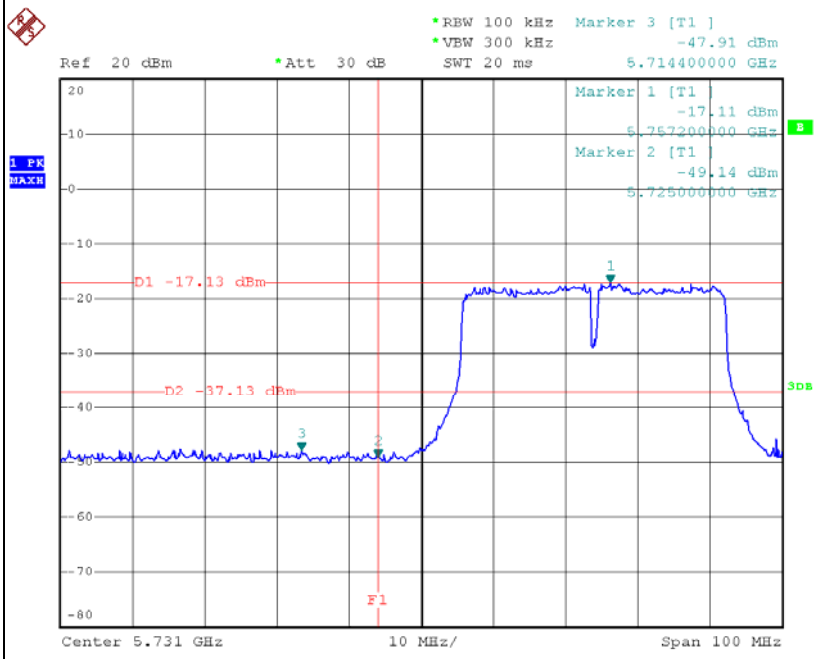
TX mode CH159 (1000MHz~10th Harmonic)



Date: 26.MAR.2014 02:38:27

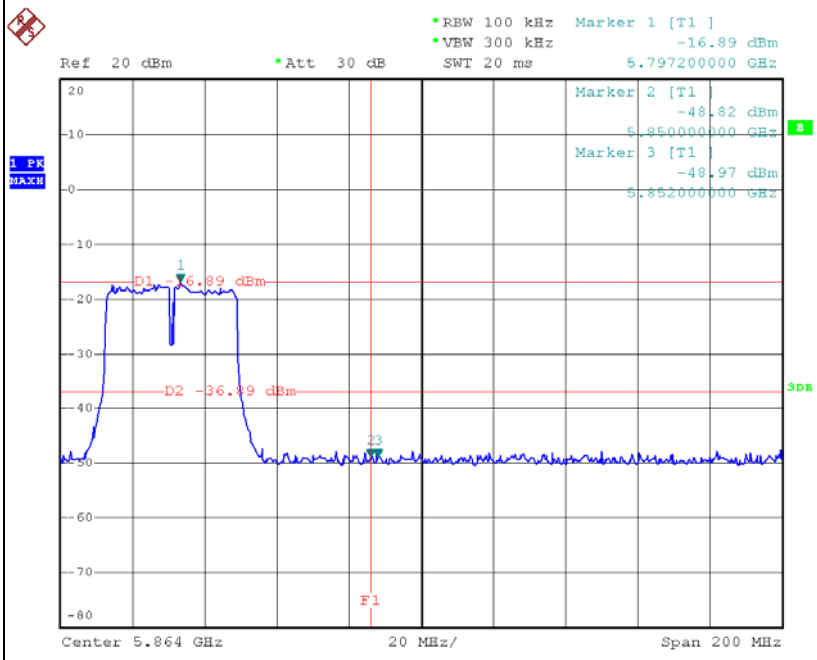
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode /CH151, CH159 / ANT 7		

TX mode CH151



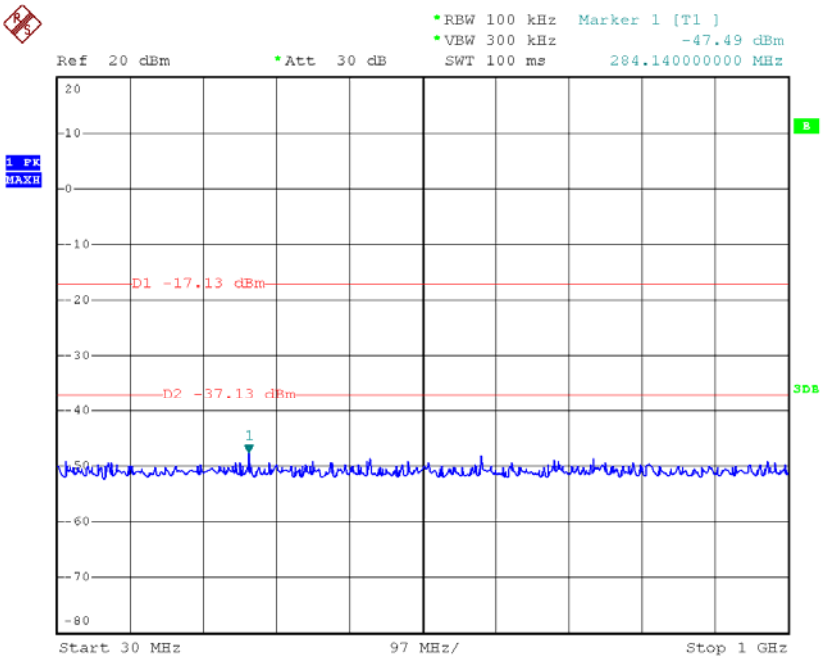
Date: 26.MAR.2014 02:24:44

TX mode CH159



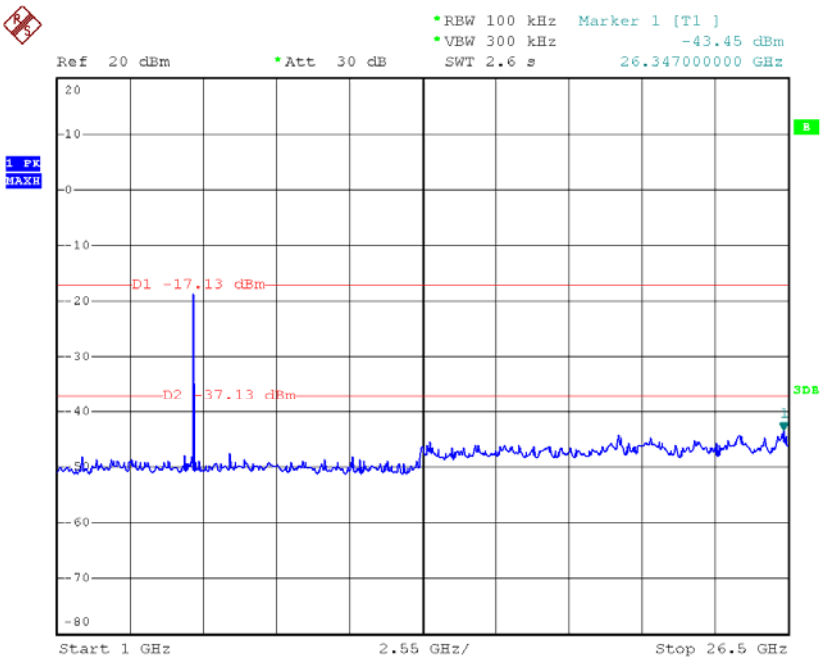
Date: 26.MAR.2014 02:42:18

TX mode CH151(30M~1000MHz)



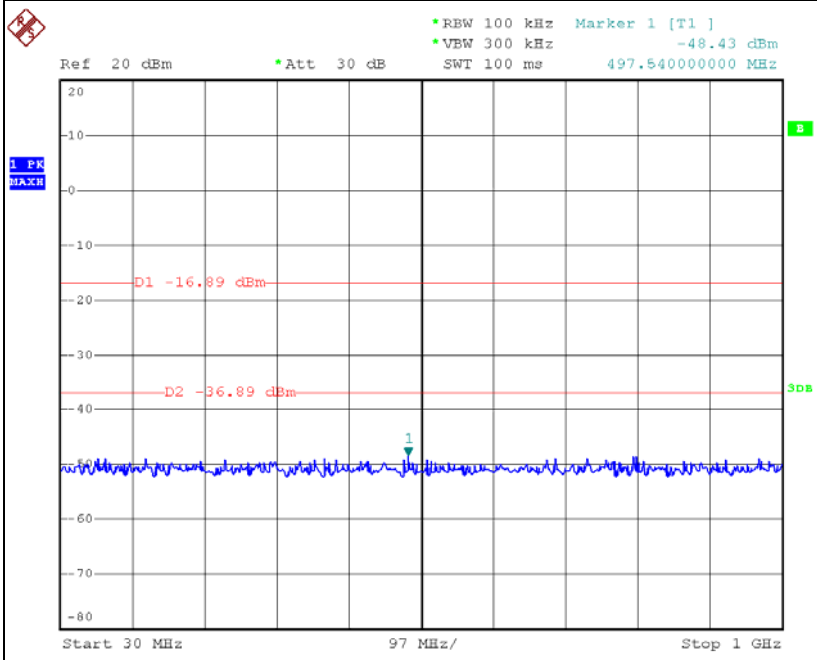
Date: 26.MAR.2014 02:29:03

TX mode CH151 (1000MHz~10th Harmonic)



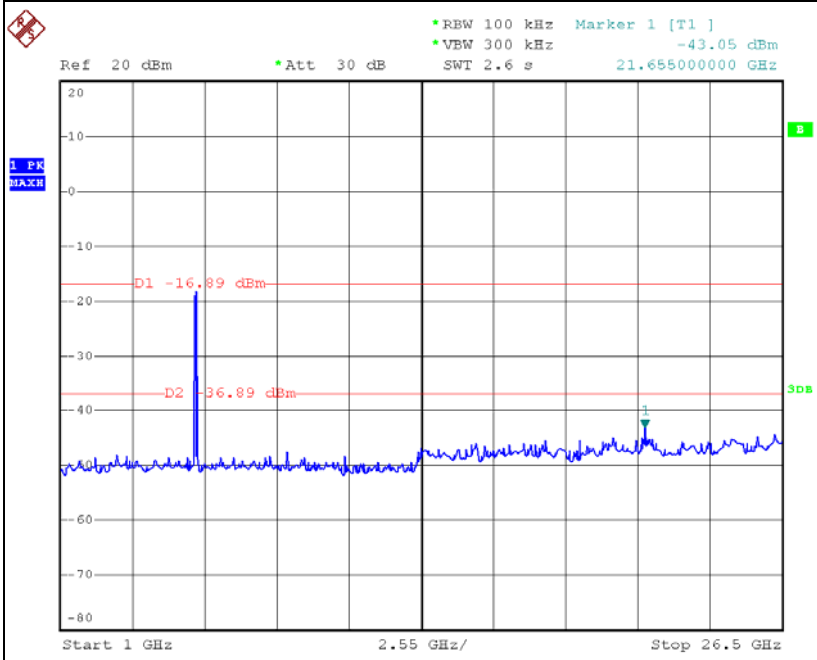
Date: 26.MAR.2014 02:28:50

TX mode CH159 (30M~1000MHz)



Date: 26.MAR.2014 02:42:49

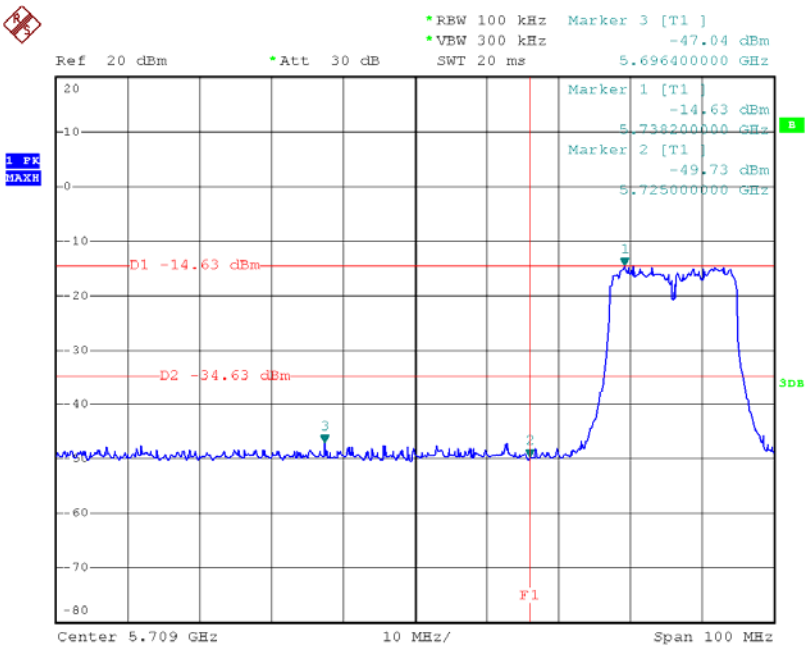
TX mode CH159 (1000MHz~10th Harmonic)



Date: 26.MAR.2014 02:43:02

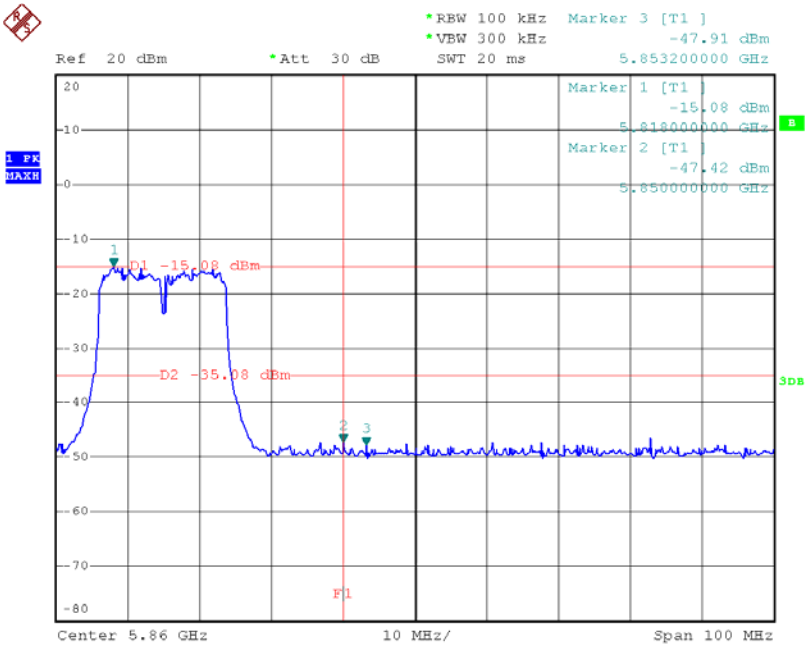
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 20 Mode /CH149, CH157, CH165 / ANT 6		

TX mode CH149



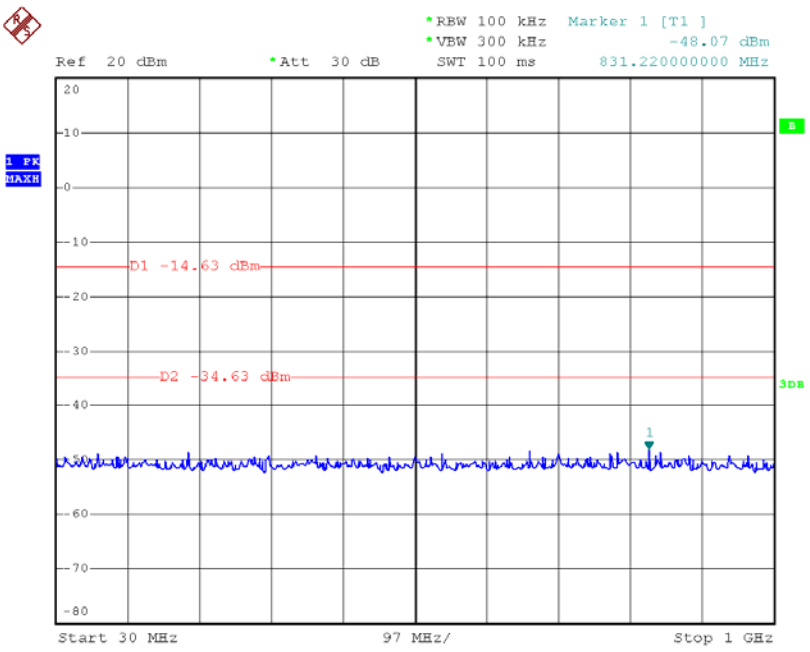
Date: 26.MAR.2014 02:56:07

TX mode CH165



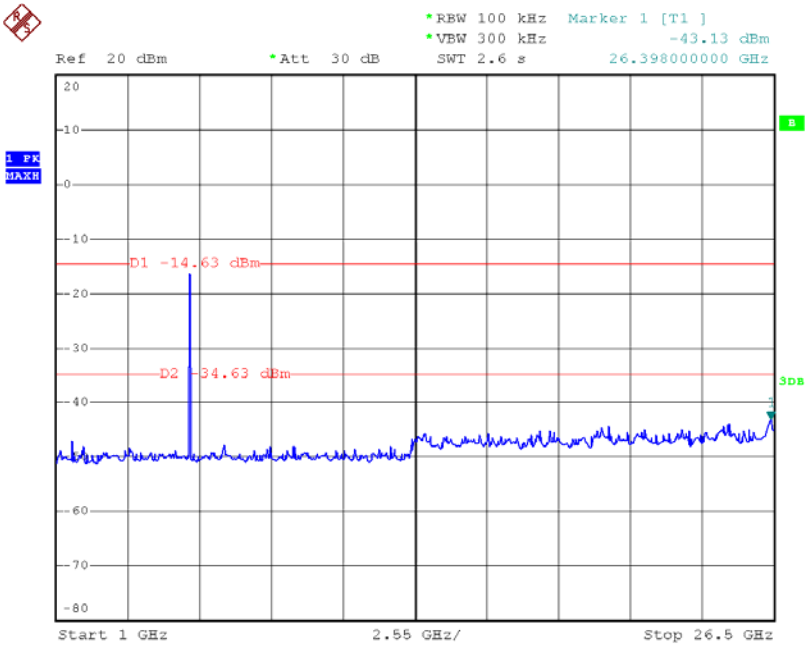
Date: 26.MAR.2014 03:04:01

TX mode CH149 (30M~1000MHz)



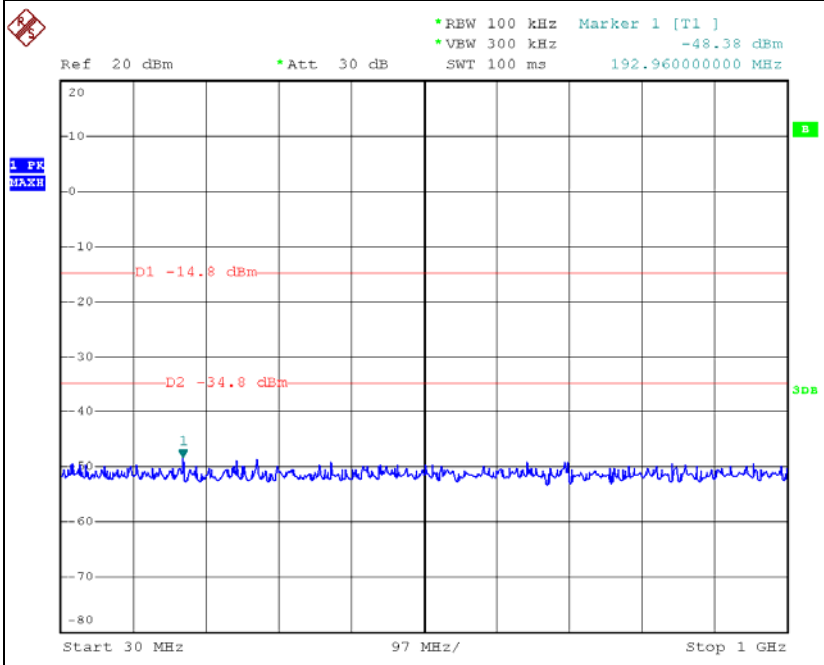
Date: 26.MAR.2014 02:58:31

TX mode CH149 (1000MHz~10th Harmonic)



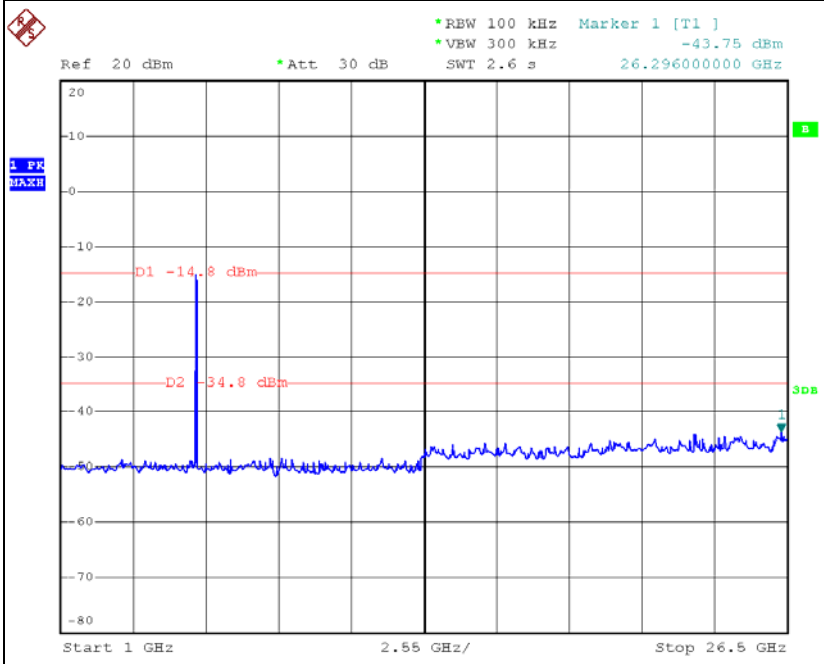
Date: 26.MAR.2014 02:58:20

TX mode CH157 (30M~1000MHz)



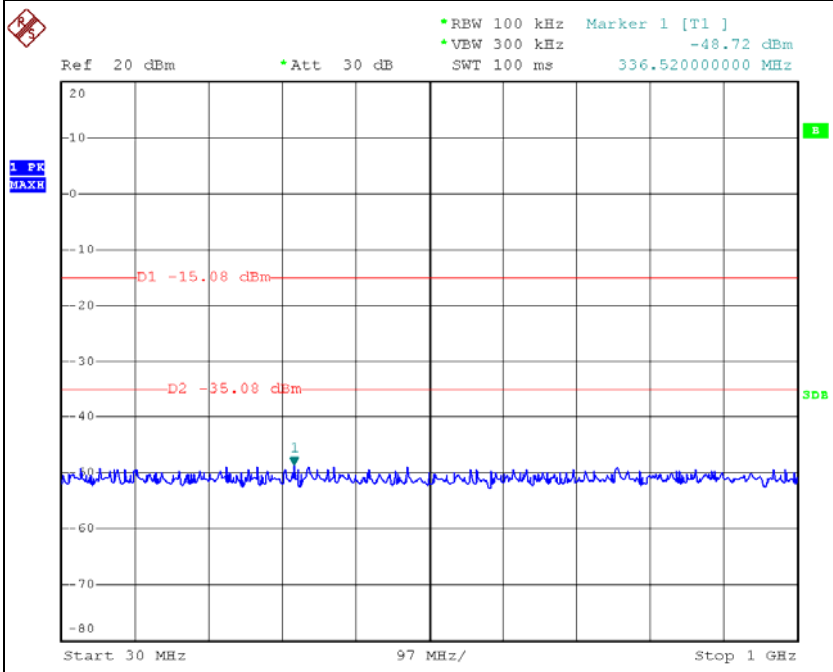
Date: 26.MAR.2014 03:16:03

TX mode CH157 (1000MHz~10th Harmonic)



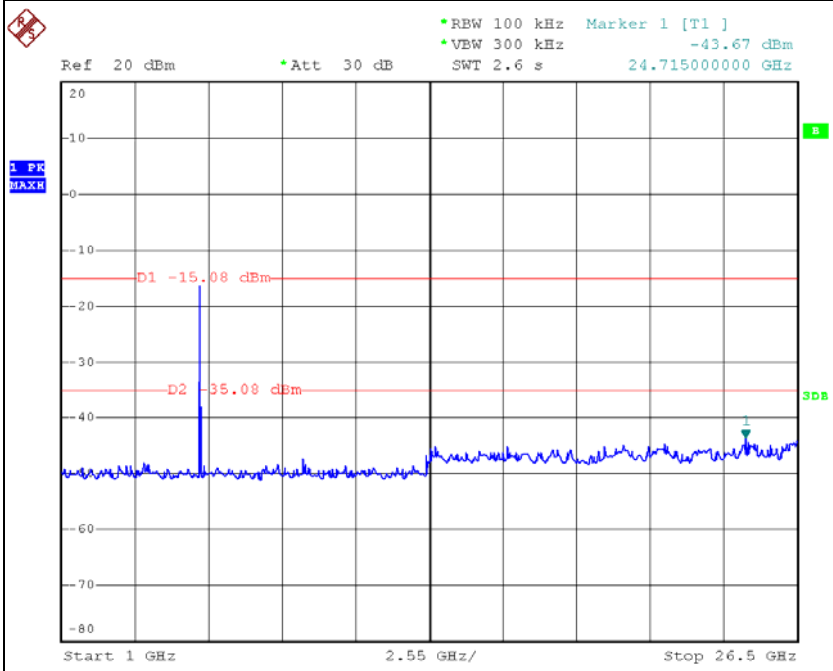
Date: 26.MAR.2014 03:16:30

TX mode CH165 (30M~1000MHz)



Date: 26.MAR.2014 03:07:58

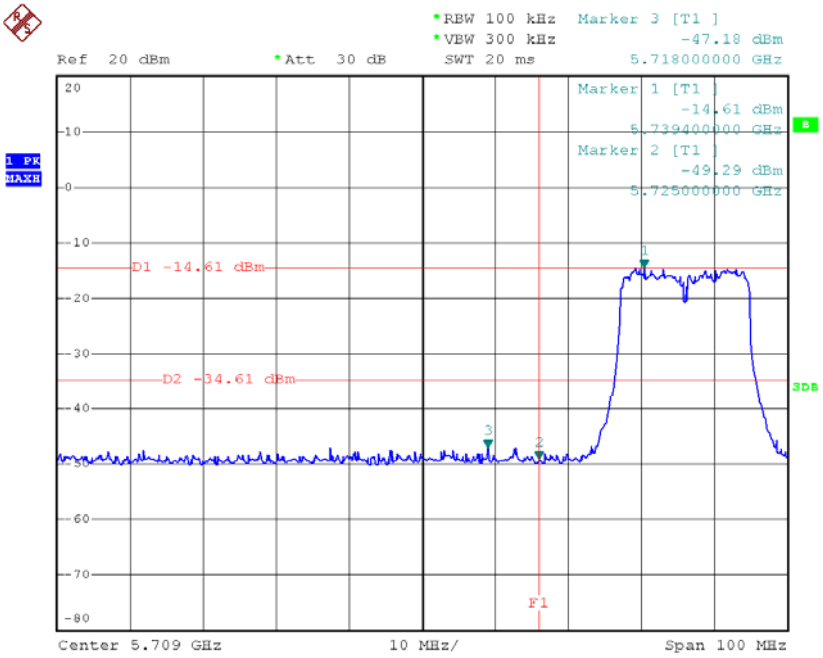
TX mode CH165 (1000MHz~10th Harmonic)



Date: 26.MAR.2014 03:07:32

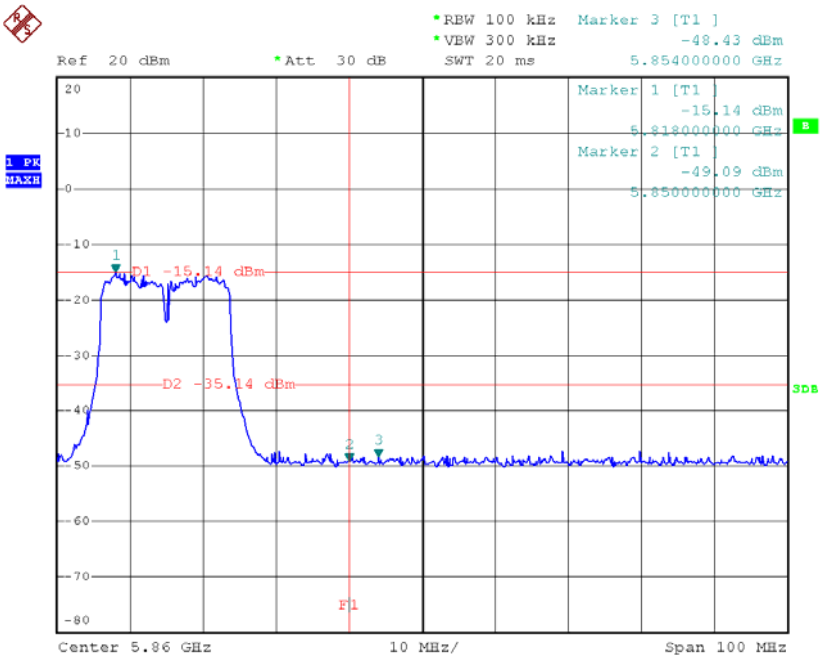
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 20 Mode /CH149, CH157, CH165 / ANT 7		

TX mode CH149



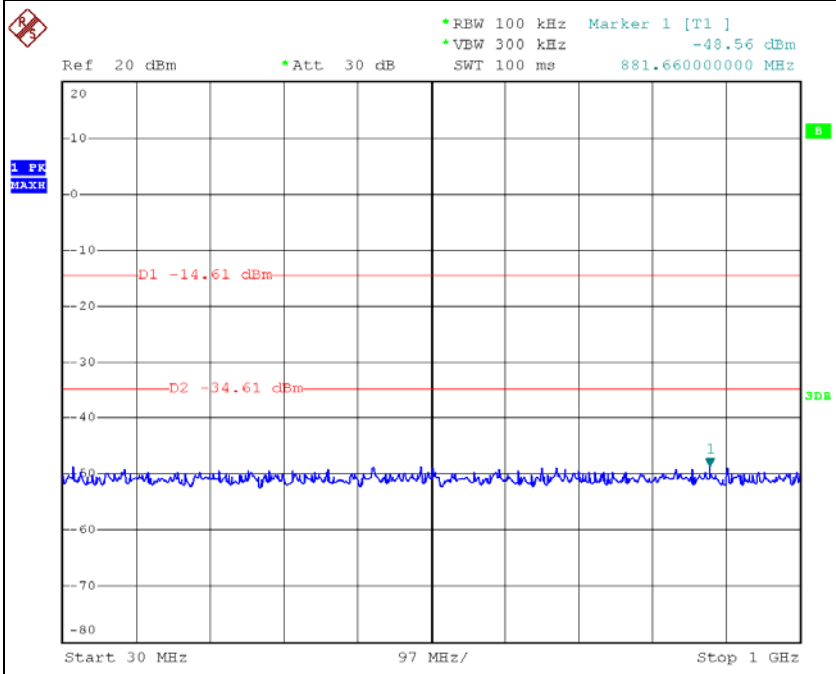
Date: 26.MAR.2014 02:56:38

TX mode CH165



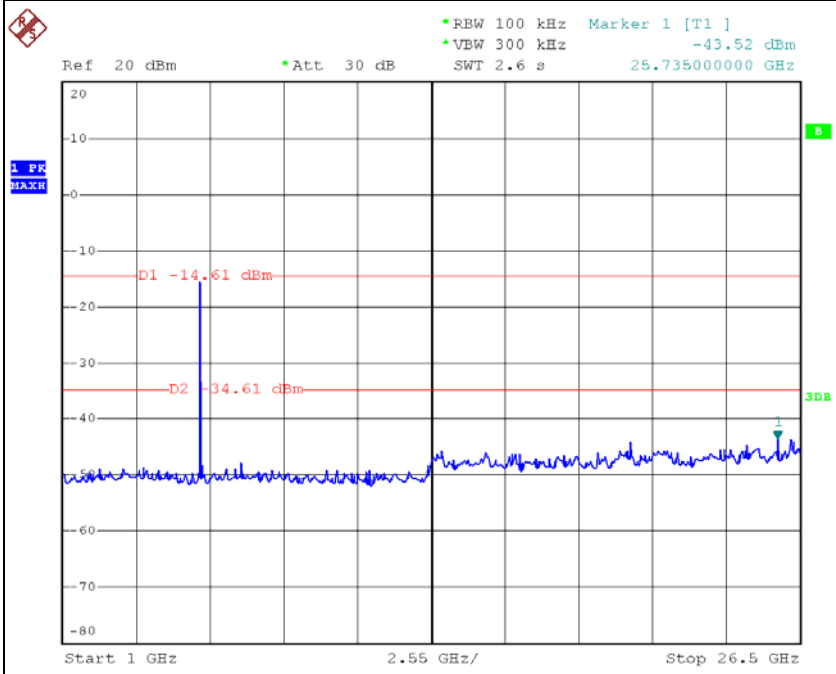
Date: 26.MAR.2014 03:05:30

TX mode CH149 (30M~1000MHz)



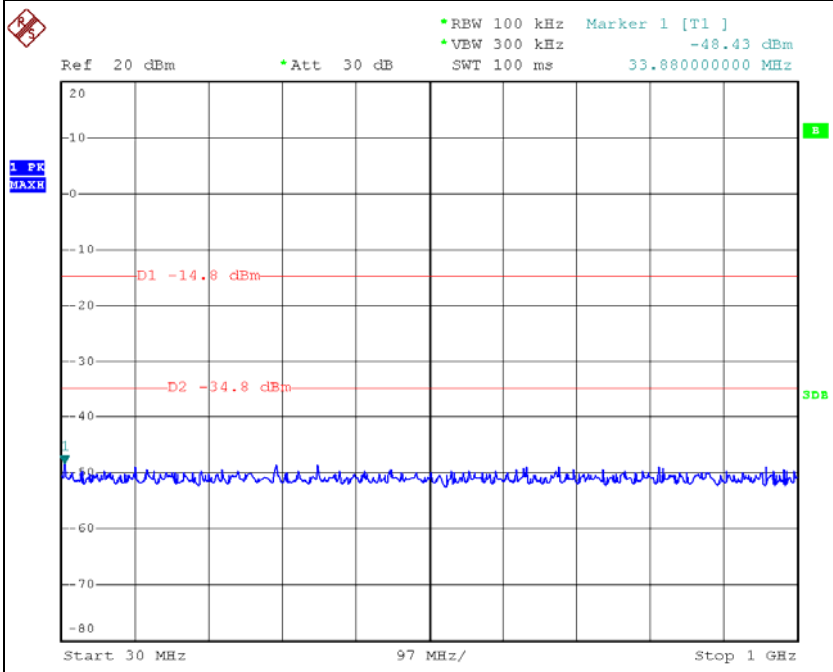
Date: 26.MAR.2014 02:57:14

TX mode CH149 (1000MHz~10th Harmonic)



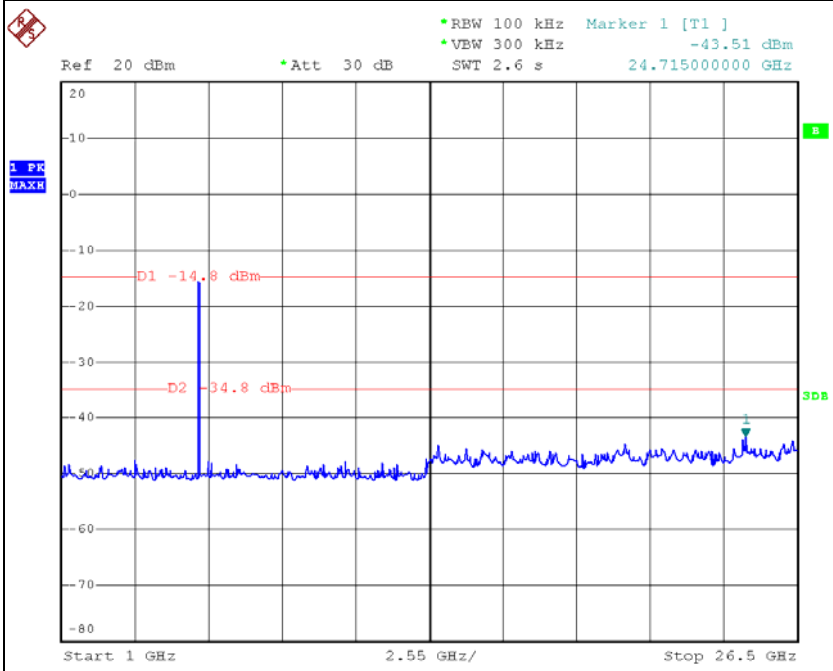
Date: 26.MAR.2014 02:57:26

TX mode CH157 (30M~1000MHz)



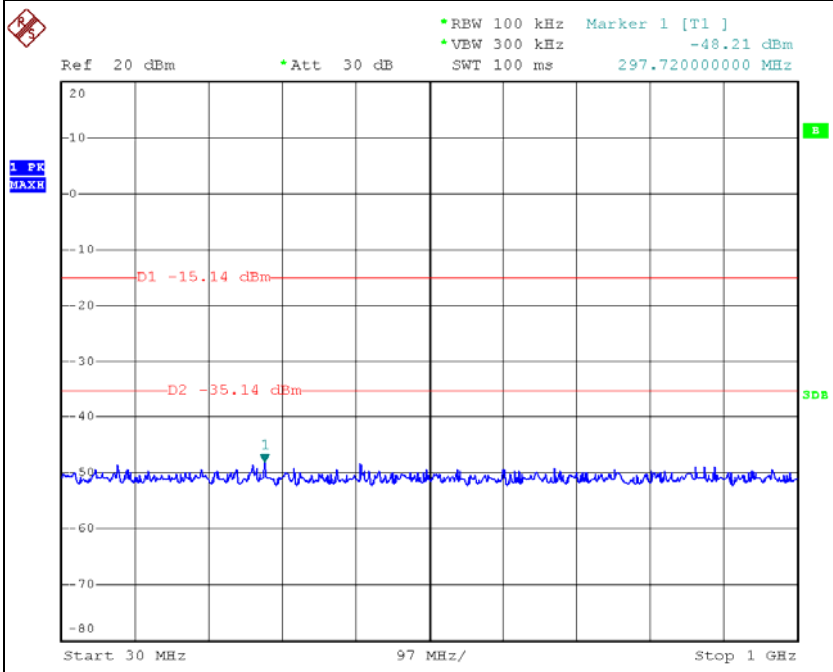
Date: 26.MAR.2014 03:15:56

TX mode CH157 (1000MHz~10th Harmonic)



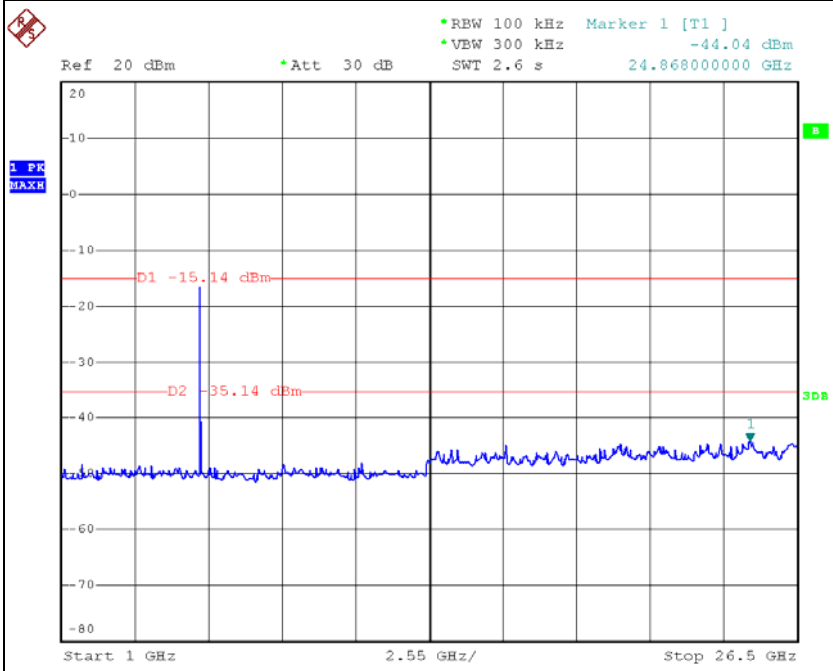
Date: 26.MAR.2014 03:16:16

TX mode CH165 (30M~1000MHz)



Date: 26.MAR.2014 03:06:05

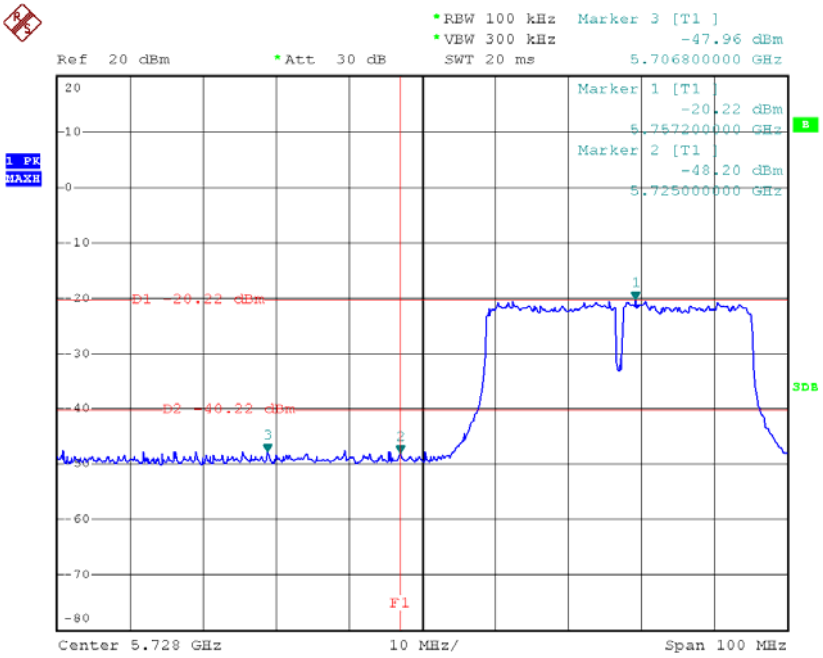
TX mode CH165 (1000MHz~10th Harmonic)



Date: 26.MAR.2014 03:06:24

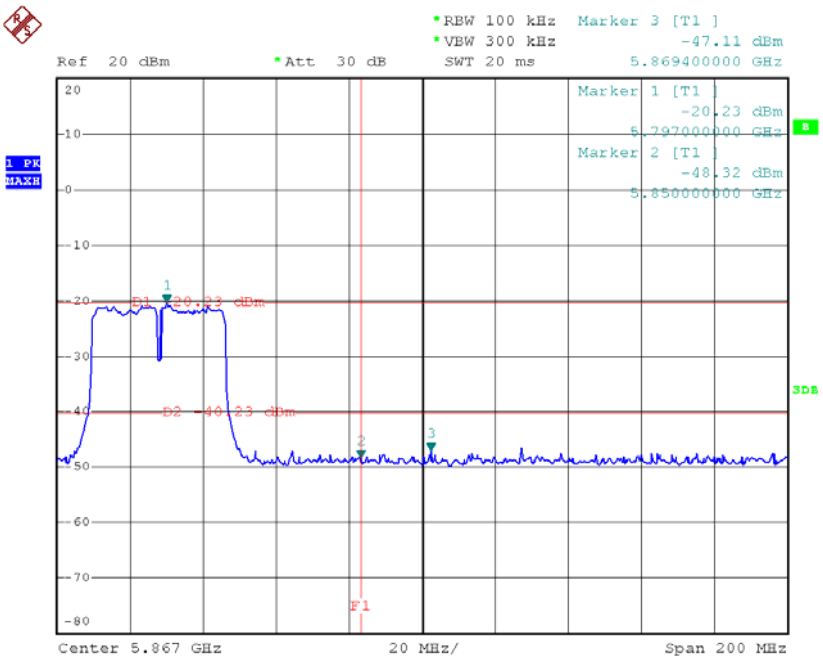
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 40 Mode /CH151, CH159 / ANT 6		

TX mode CH151



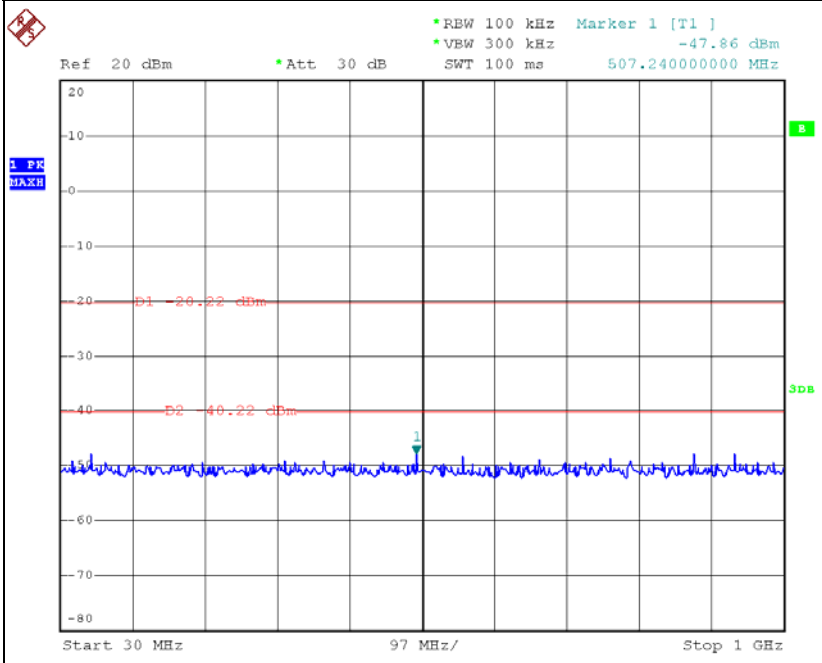
Date: 26.MAR.2014 23:52:06

TX mode CH159



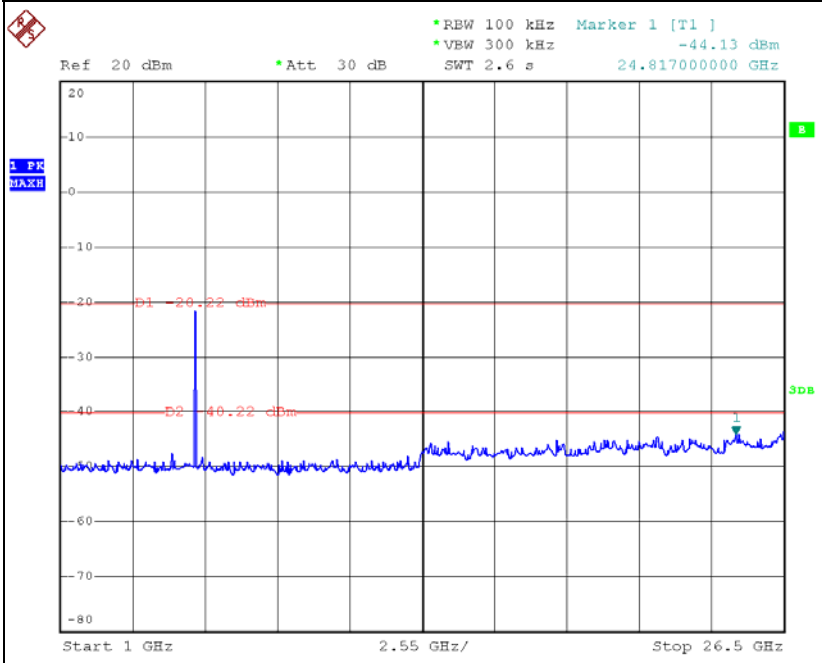
Date: 27.MAR.2014 00:11:39

TX mode CH151(30M~1000MHz)



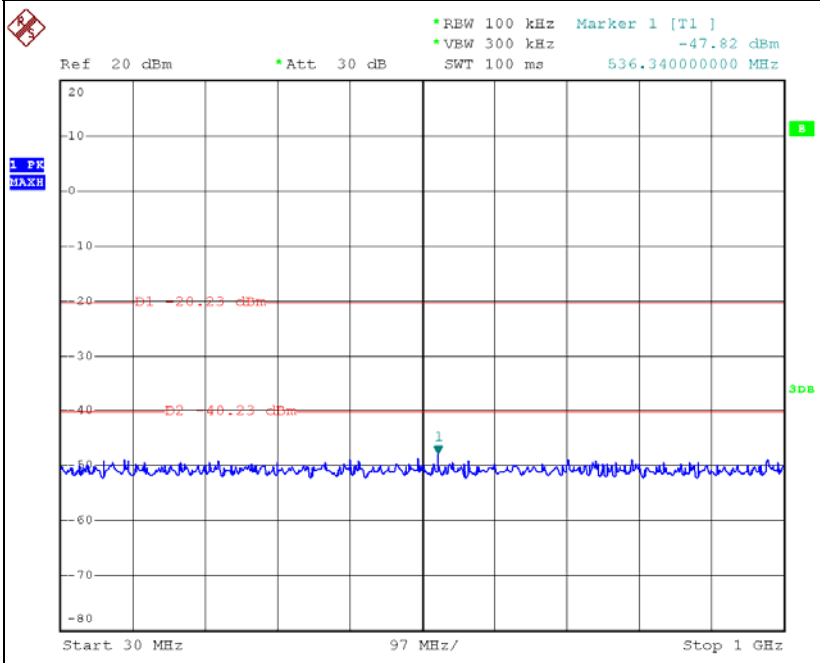
Date: 26.MAR.2014 23:52:36

TX mode CH151 (1000MHz~10th Harmonic)



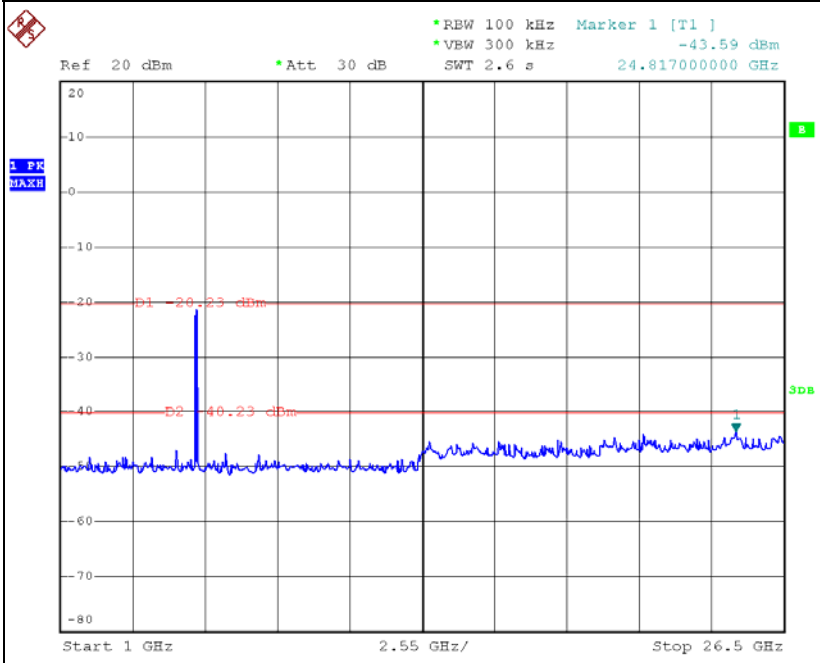
Date: 26.MAR.2014 23:53:21

TX mode CH159 (30M~1000MHz)



Date: 27.MAR.2014 00:12:14

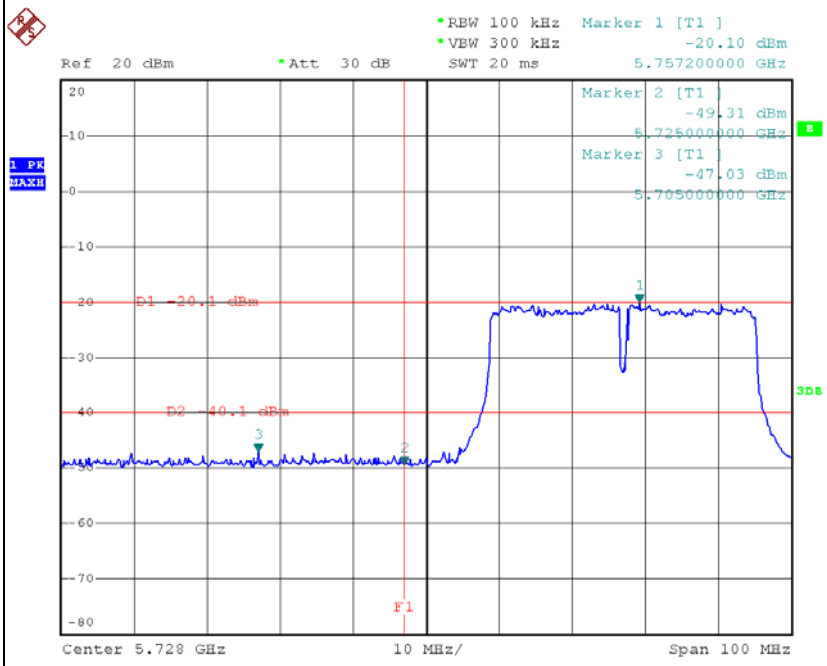
TX mode CH159 (1000MHz~10th Harmonic)



Date: 27.MAR.2014 00:12:44

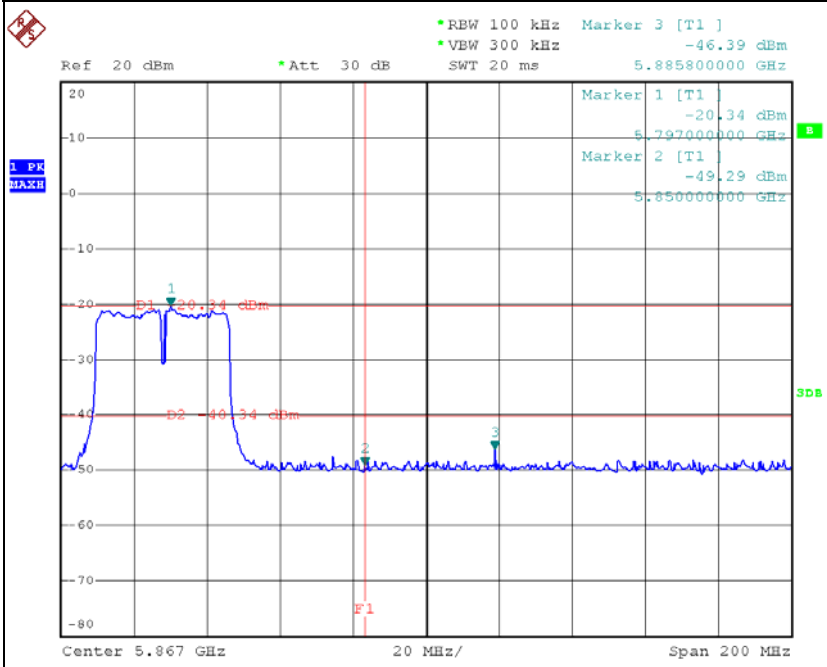
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 40 Mode /CH151, CH159 / ANT 7		

TX mode CH151



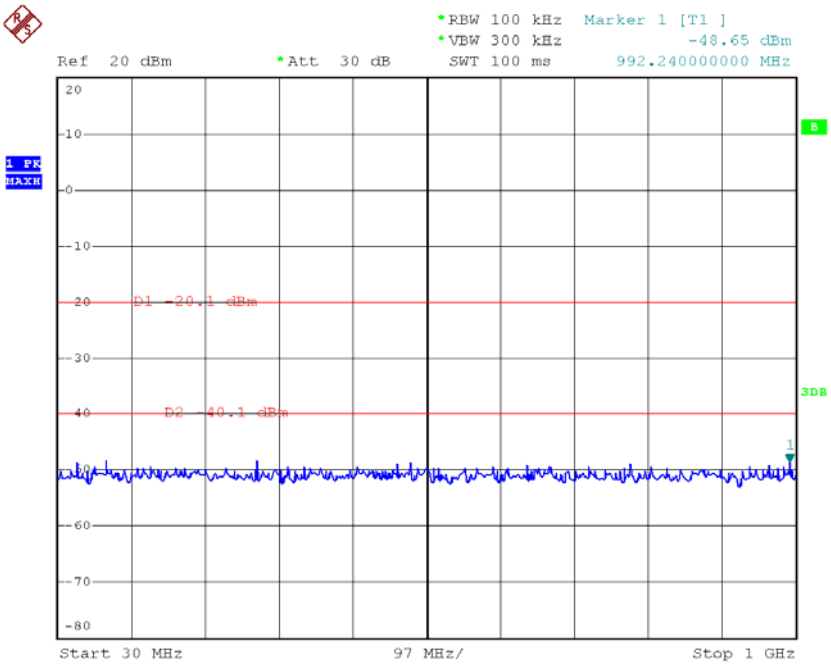
Date: 26.MAR.2014 23:50:25

TX mode CH159



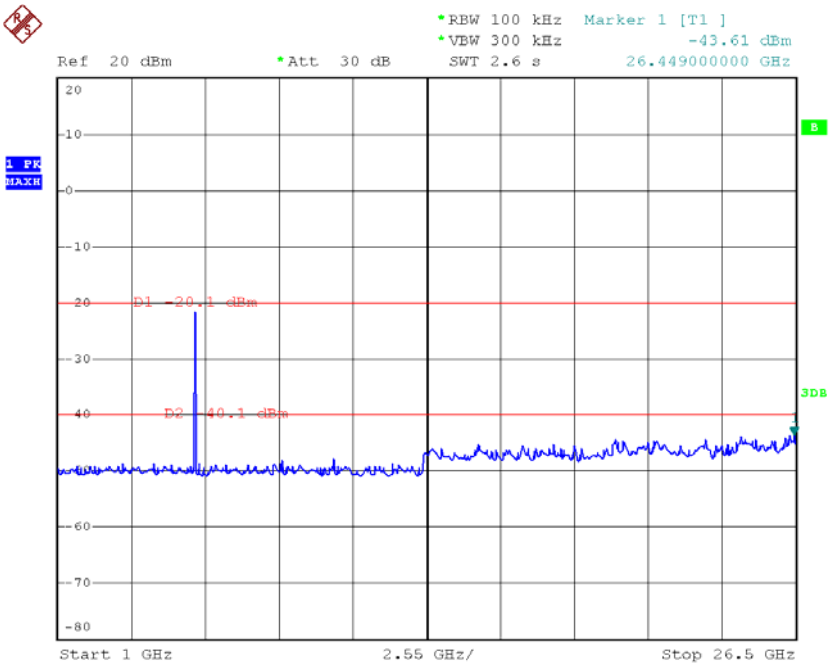
Date: 27.MAR.2014 00:04:47

TX mode CH151(30M~1000MHz)



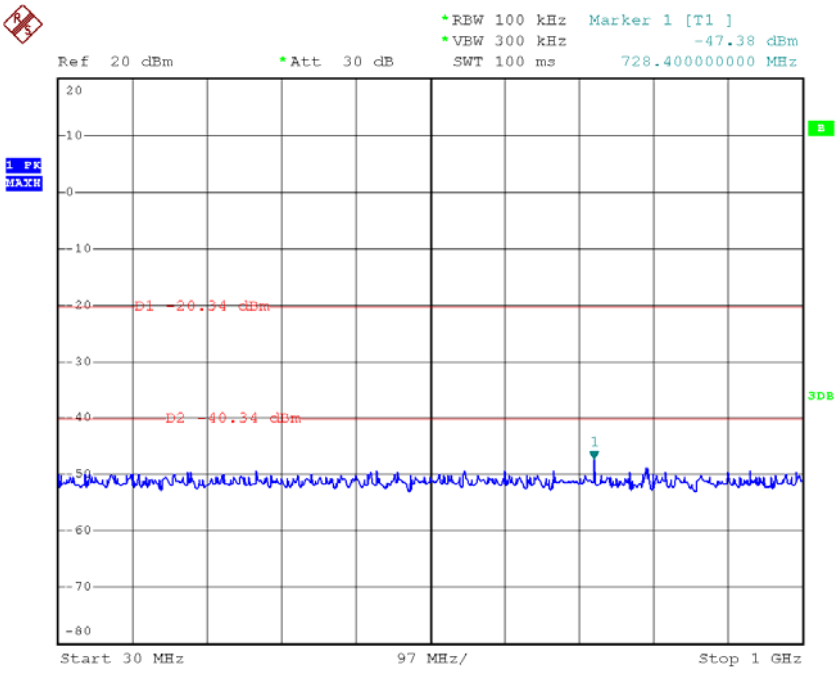
Date: 26.MAR.2014 23:54:32

TX mode CH151 (1000MHz~10th Harmonic)



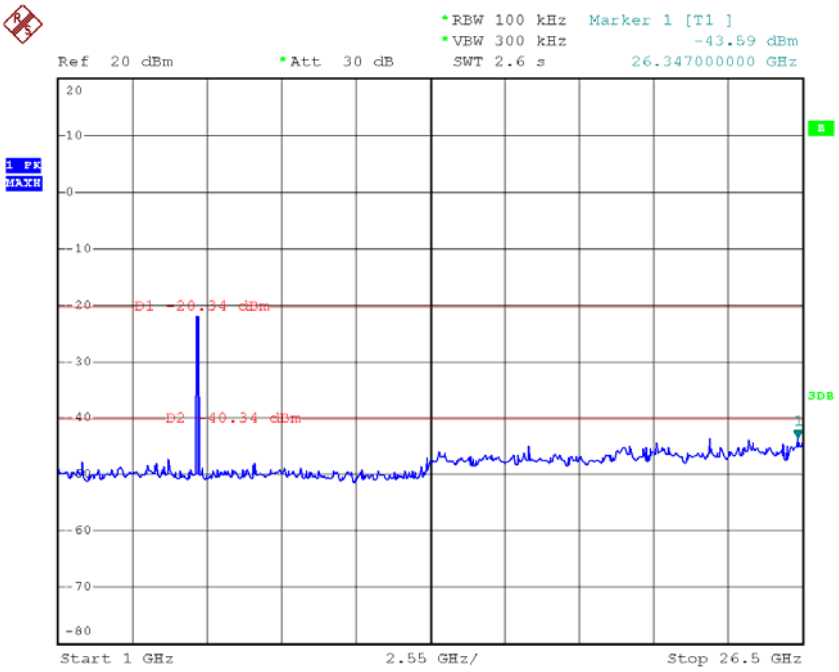
Date: 26.MAR.2014 23:54:20

TX mode CH159 (30M~1000MHz)



Date: 27.MAR.2014 00:13:51

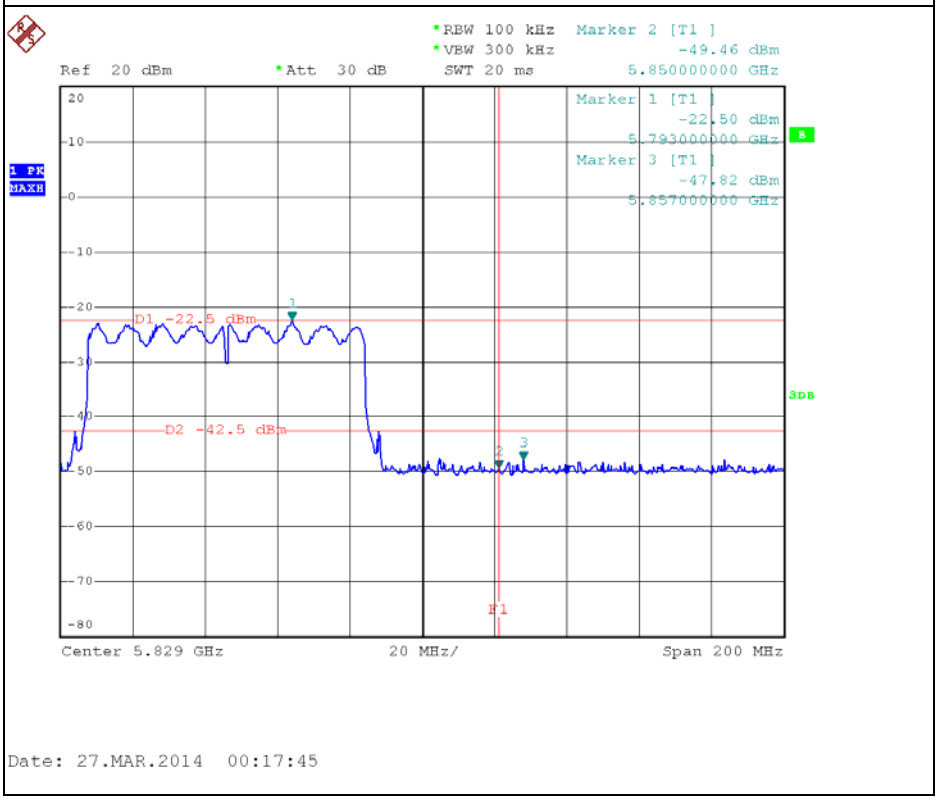
TX mode CH159 (1000MHz~10th Harmonic)



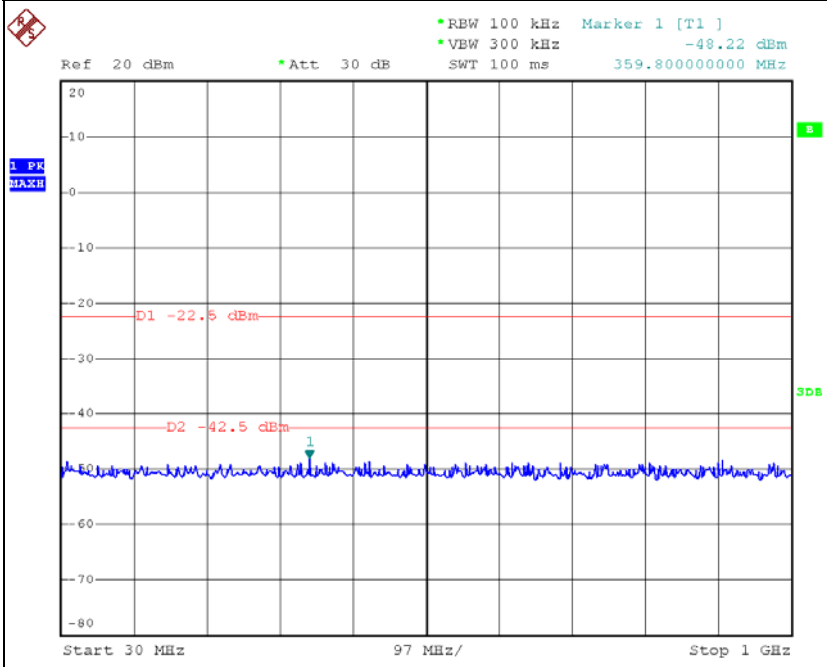
Date: 27.MAR.2014 00:13:43

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 80 Mode /CH155 / ANT 6		

TX mode CH155

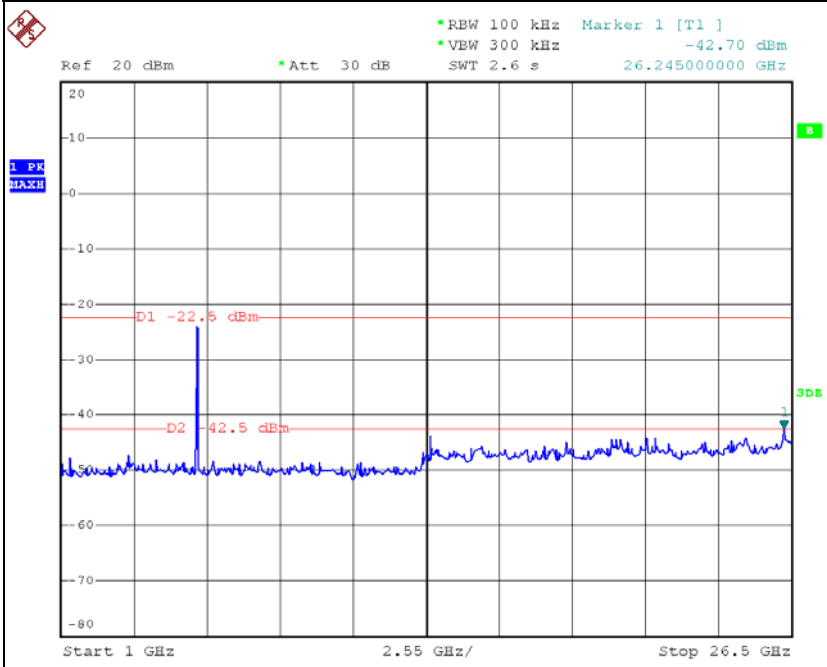


TX mode CH155(30M~1000MHz)



Date: 27.MAR.2014 00:21:39

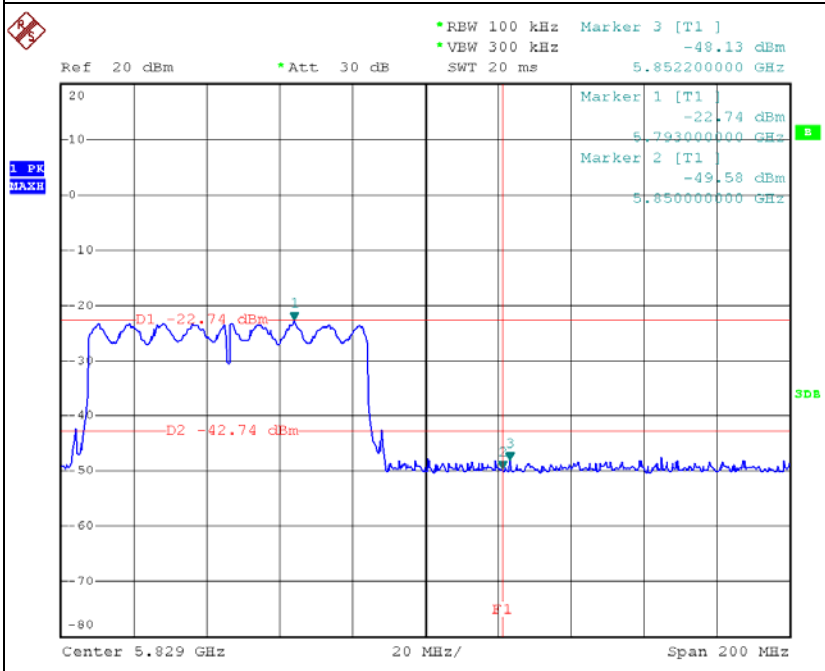
TX mode CH155 (1000MHz~10th Harmonic)



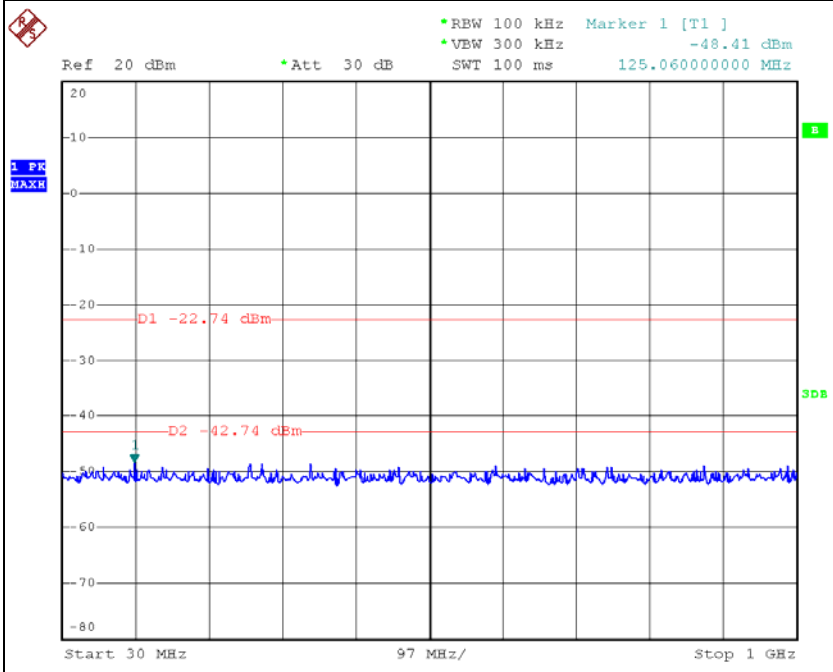
Date: 27.MAR.2014 00:22:18

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	25 ℃	Relative Humidity:	58 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC N80 Mode /CH155 / ANT 7		

TX mode CH155

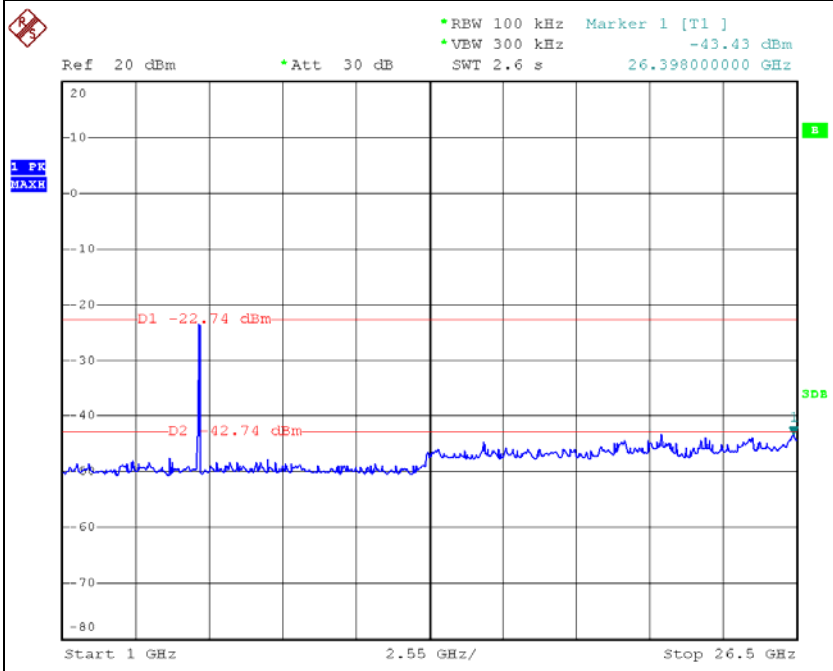


TX mode CH155(30M~1000MHz)



Date: 27.MAR.2014 00:20:39

TX mode CH155 (1000MHz~10th Harmonic)



Date: 27.MAR.2014 00:20:23

8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	5745 - 5825	PASS

8.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

Remark: “N/A” denotes no model name, serial no. or calibration specified.
All calibration period of Equipment List is One Year.

8.1.2 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

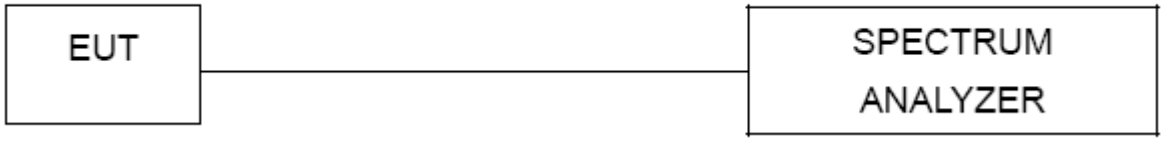
b. Spectrum Setting : RBW=3KHz, VBW=10KHz, Sweep time = auto.

c. The power spectral density was performed in accordance with method 10.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r01 (A, N20, N40 mode) and 662911 D01 Multiple Transmitter Output v01r02. (N20,N40 mode)

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP



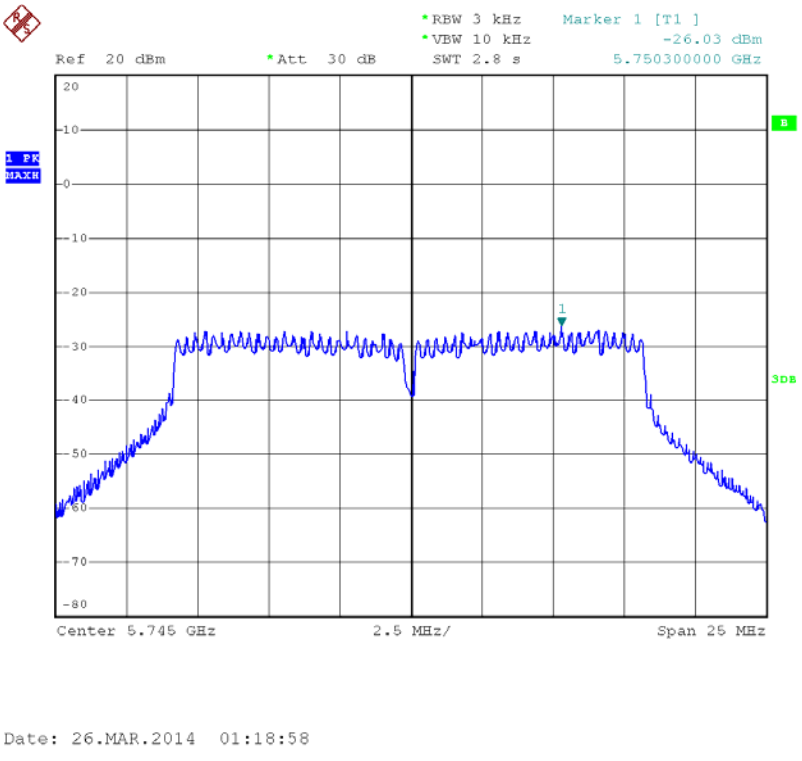
8.1.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

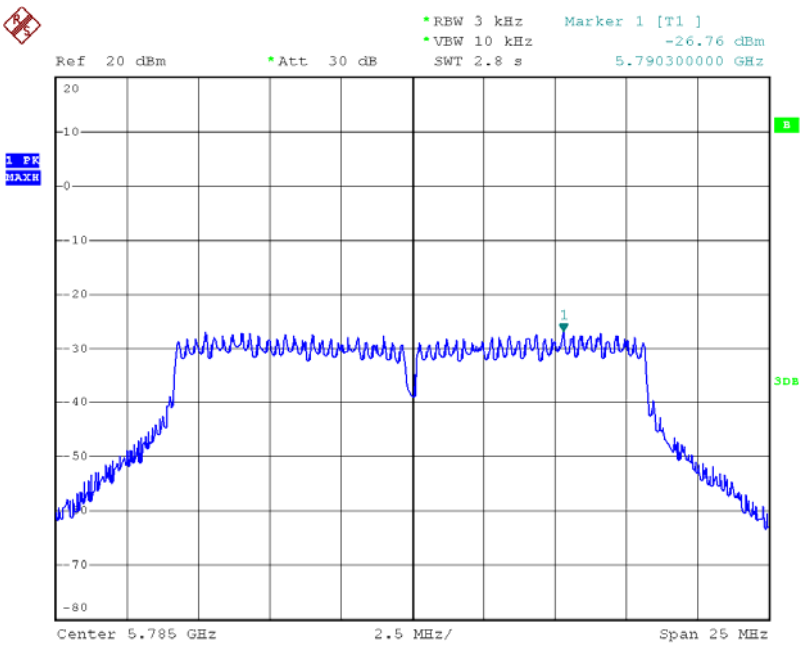
8.1.6 TEST RESULTS

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX A Mode /CH149, CH157, CH165		

TX CH149

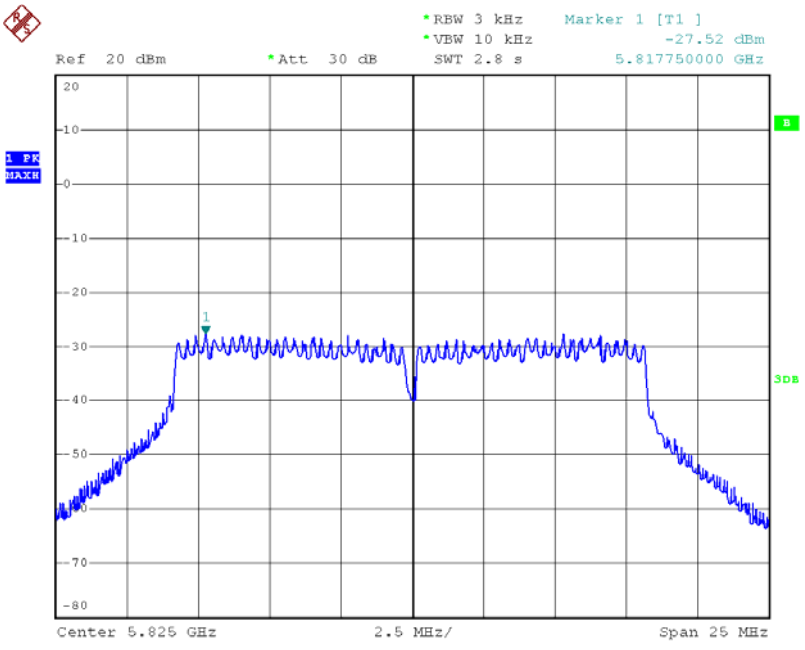


TX CH157



Date: 26.MAR.2014 01:40:04

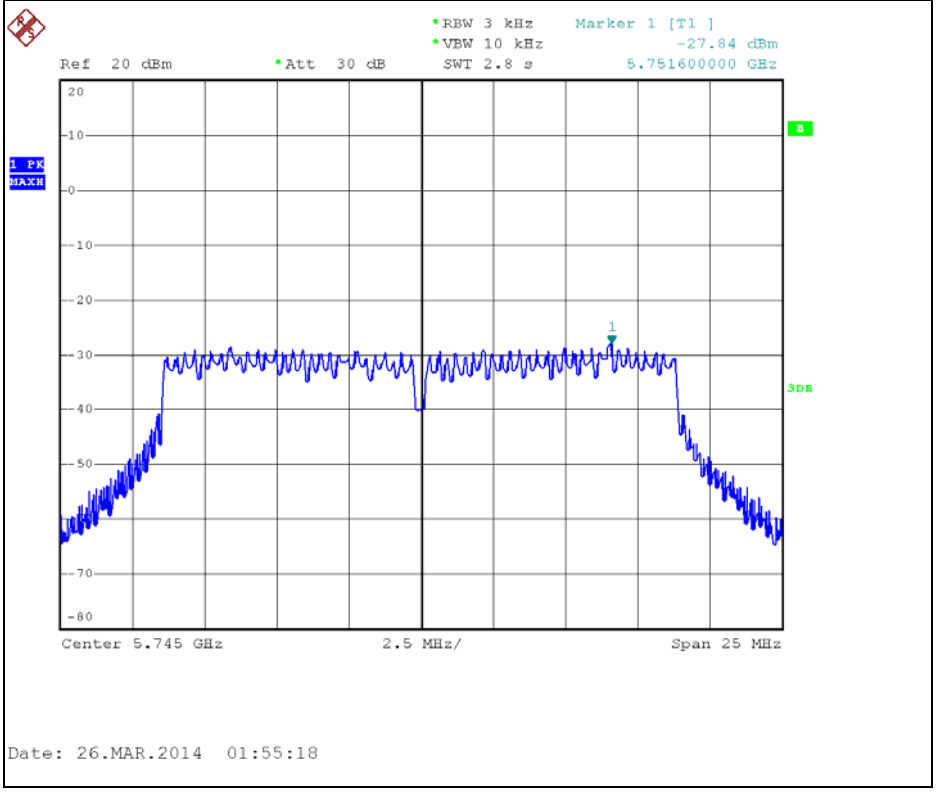
TX CH165



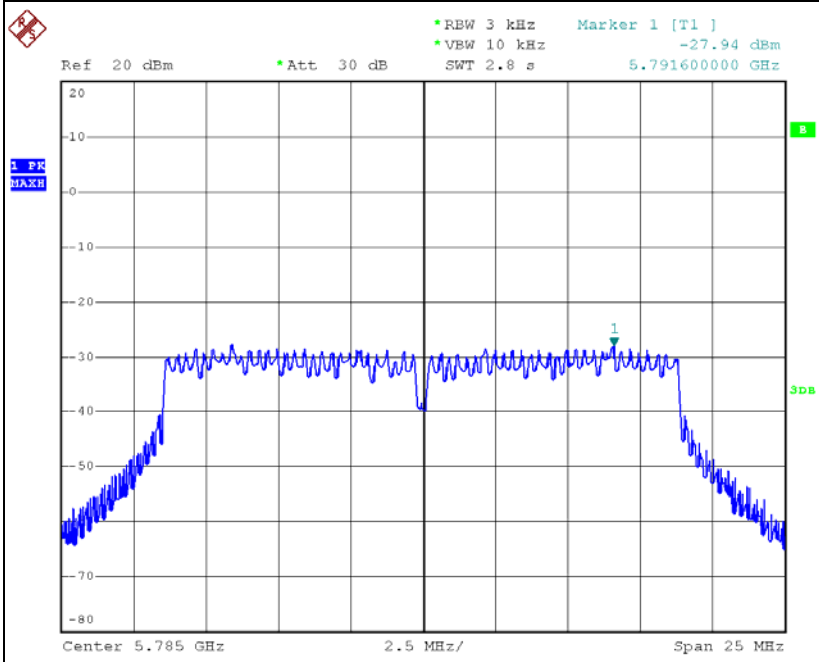
Date: 26.MAR.2014 01:39:21

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode /CH149, CH157, CH165 / ANT 6		

TX CH149

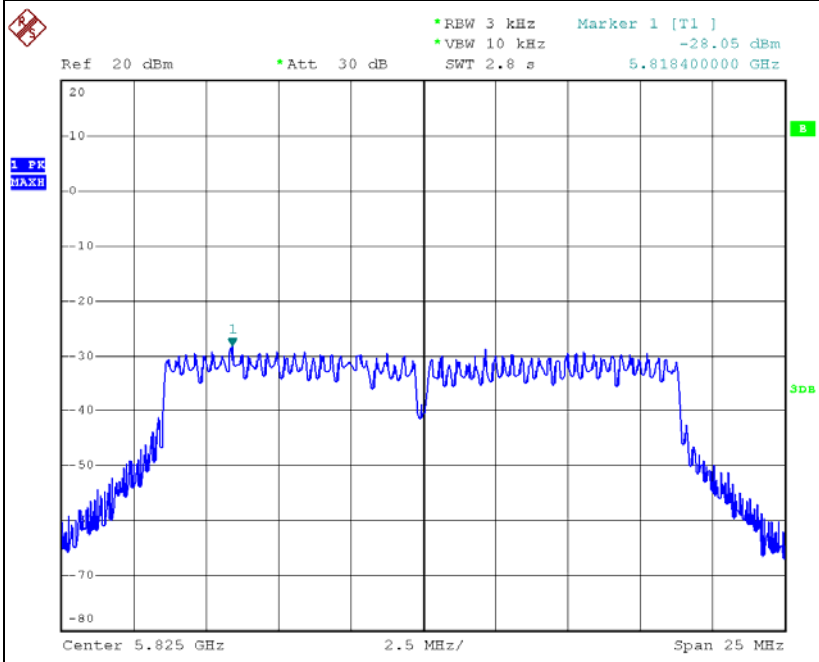


TX CH157



Date: 26.MAR.2014 02:09:13

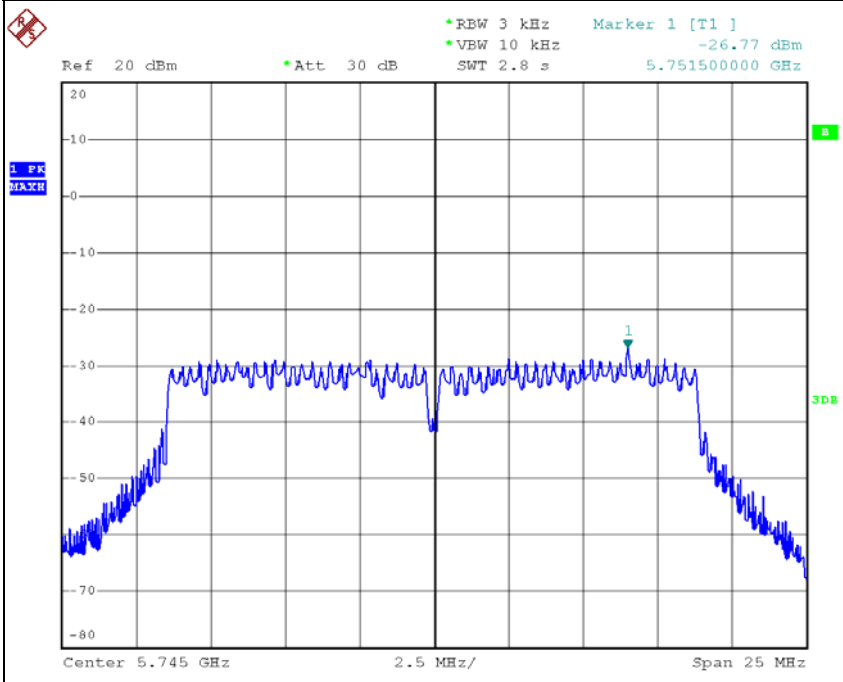
TX CH165-



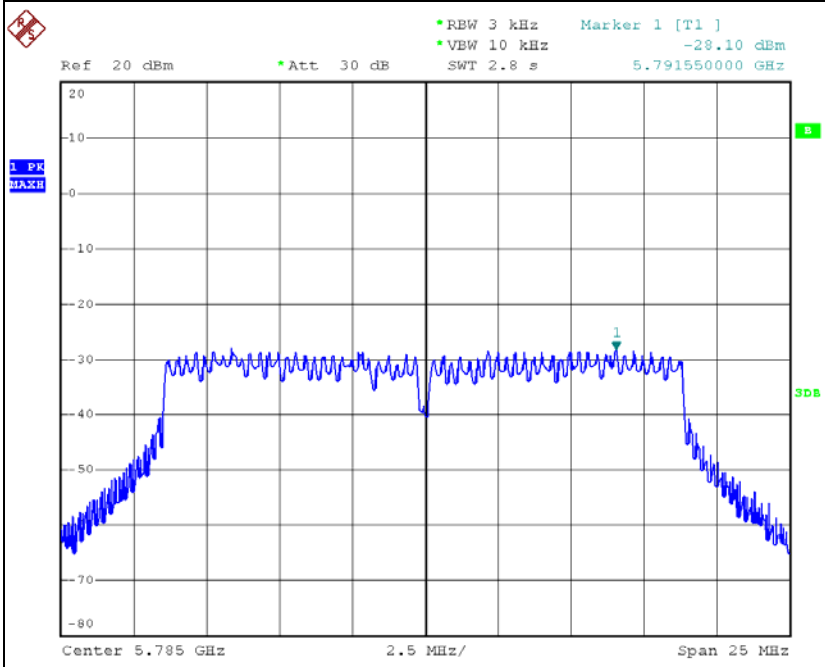
Date: 26.MAR.2014 02:00:40

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode /CH149, CH157, CH165 / ANT 7		

TX CH149

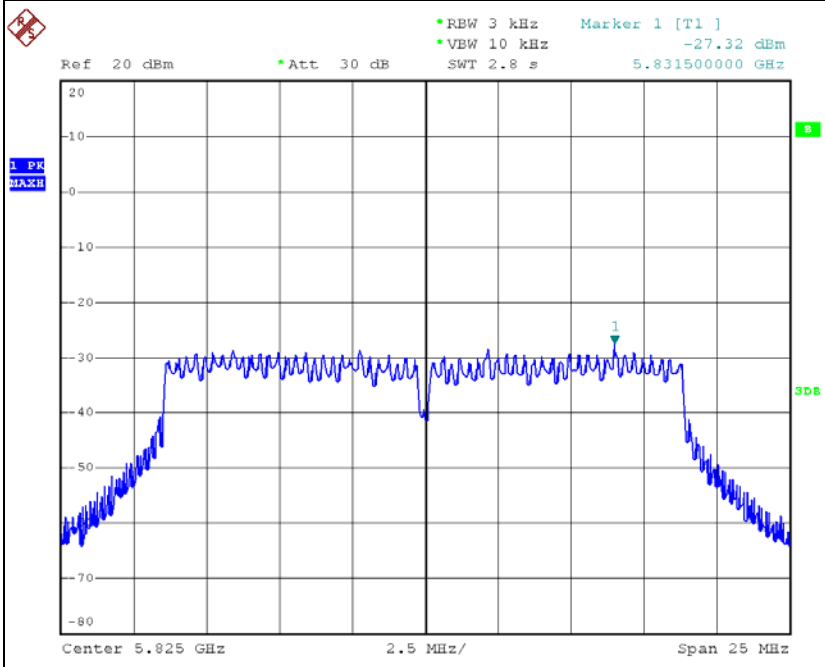


TX CH157



Date: 26.MAR.2014 02:09:08

TX CH165-



Date: 26.MAR.2014 02:00:29

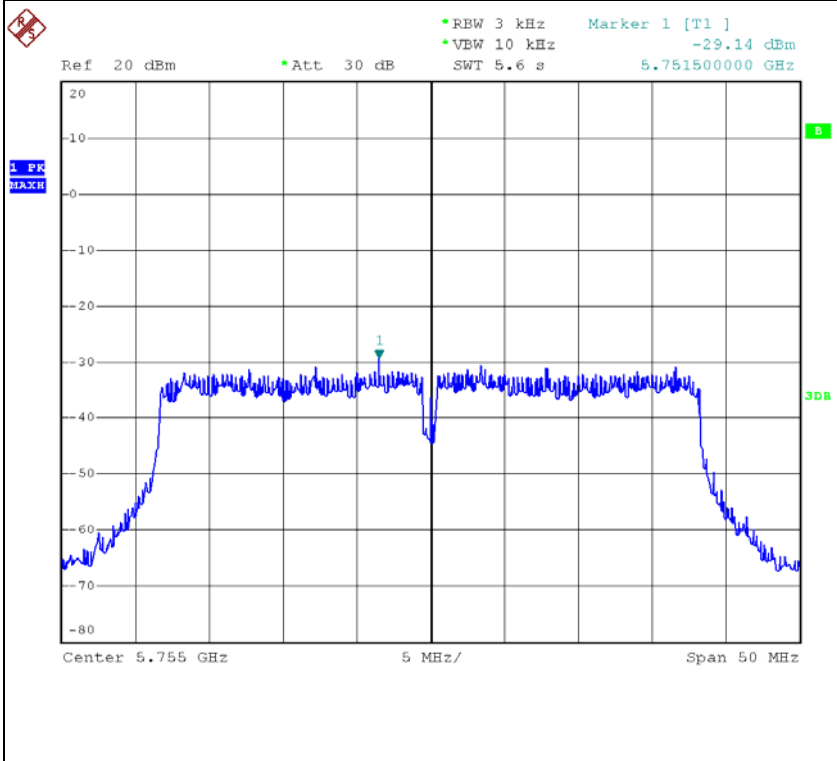
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N20 Mode /CH149, CH157, CH165		

ANT 6 + ANT 7			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH149	5745 MHz	-24.26	8
CH157	5785 MHz	-25.01	8
CH165	5825 MHz	-24.66	8

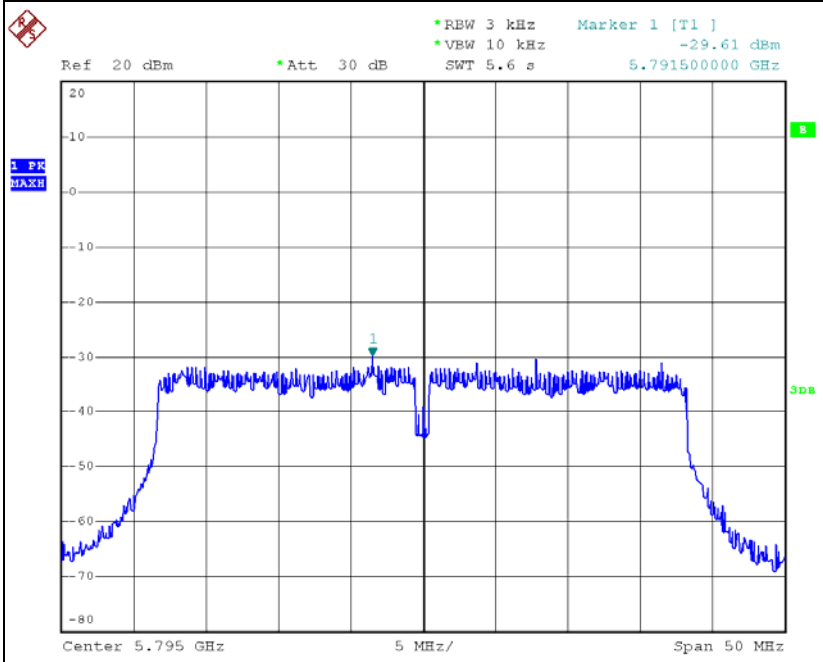
Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode /CH151, CH159 / ANT 6		

TX CH151

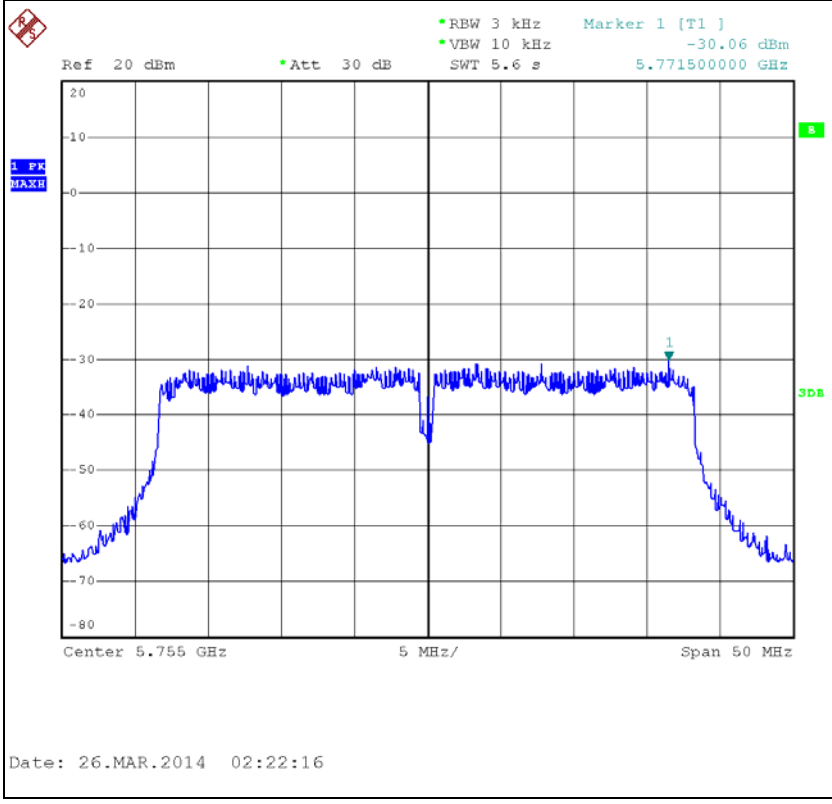


TX CH159

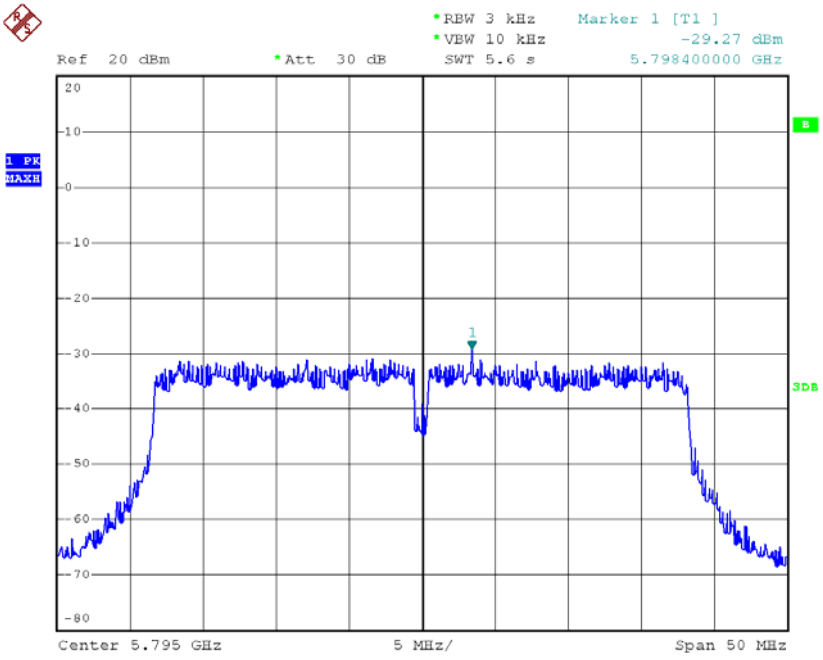

*RBW 3 kHz
*VBW 10 kHz
SWT 5.6 s
Marker 1 [T1]
-29.61 dBm
5.791500000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
MAXH
B
3DB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 5.795 GHz
5 MHz/
Span 50 MHz
Date: 26.MAR.2014 02:44:49

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode /CH151, CH159 / ANT 7		

TX CH151



TX CH159


RBW 3 kHz
VBW 10 kHz
SWT 5.6 s
Marker 1 [T1]
-29.27 dBm
5.798400000 GHz
Ref 20 dBm
Att 30 dB
1 PK
MAXH
B
3DB
Center 5.795 GHz
5 MHz/
Span 50 MHz
Date: 26.MAR.2014 02:44:40

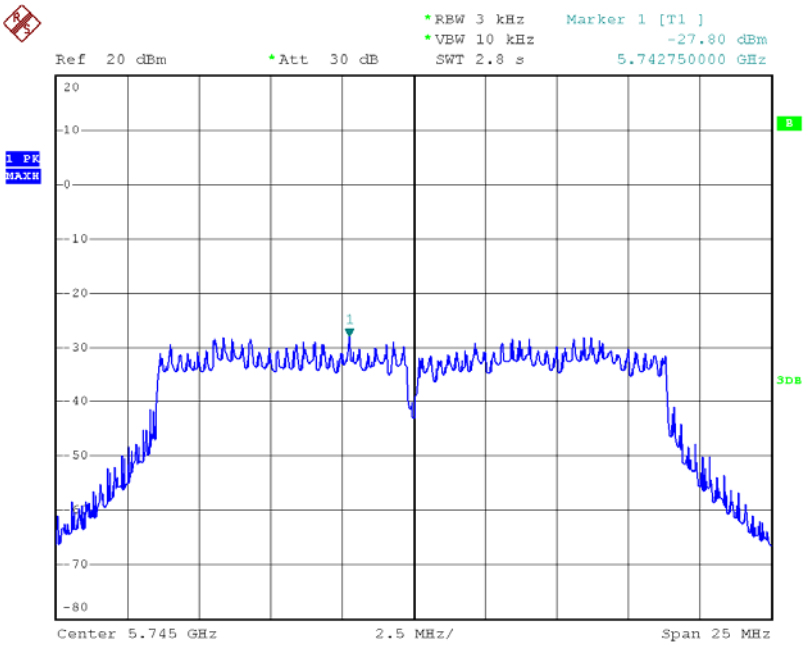
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX N40 Mode /CH151, CH159		

ANT 6+ANT 7			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH151	5755 MHz	-26.57	8
CH159	5795 MHz	-26.43	8

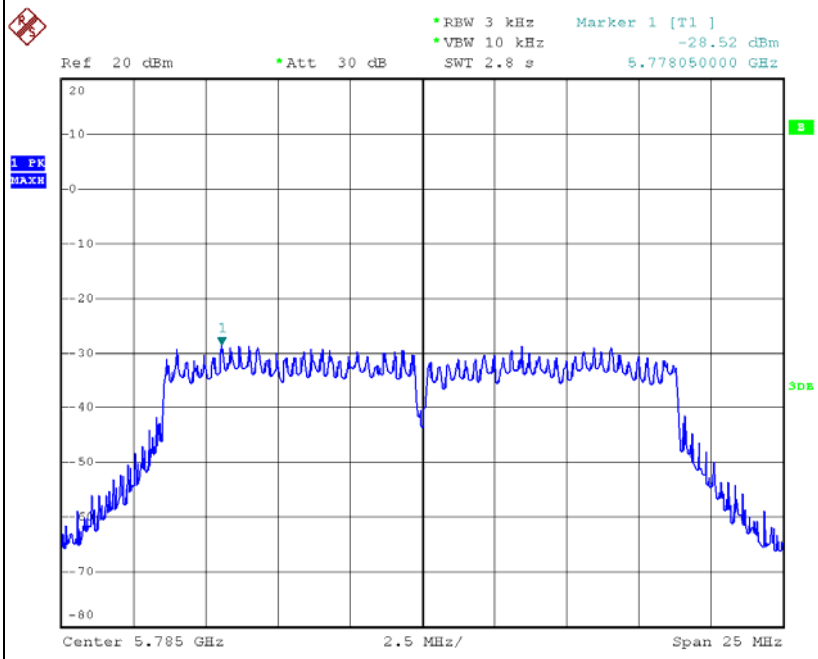
Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 20 Mode /CH149, CH157, CH165 / ANT 6		

TX CH149

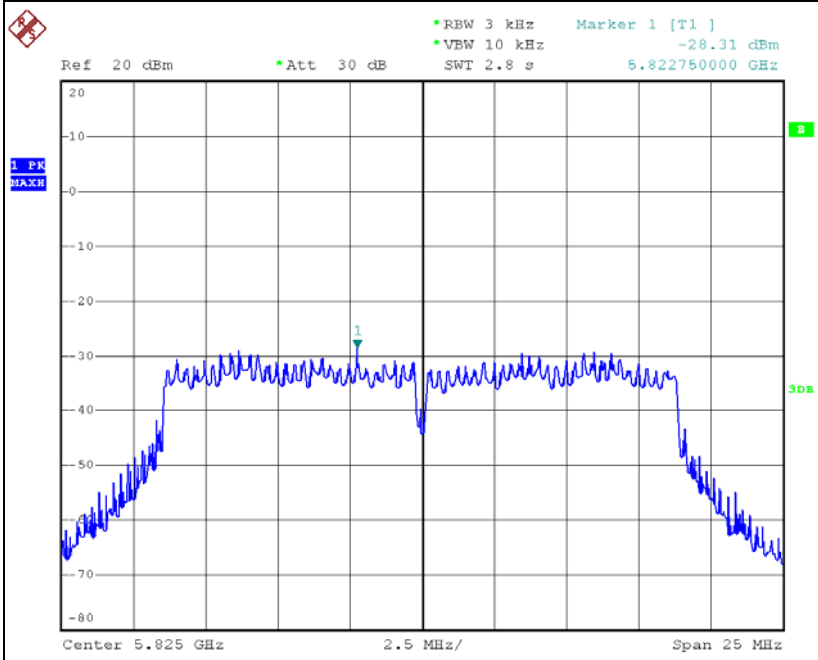


TX CH157



Date: 26.MAR.2014 03:14:09

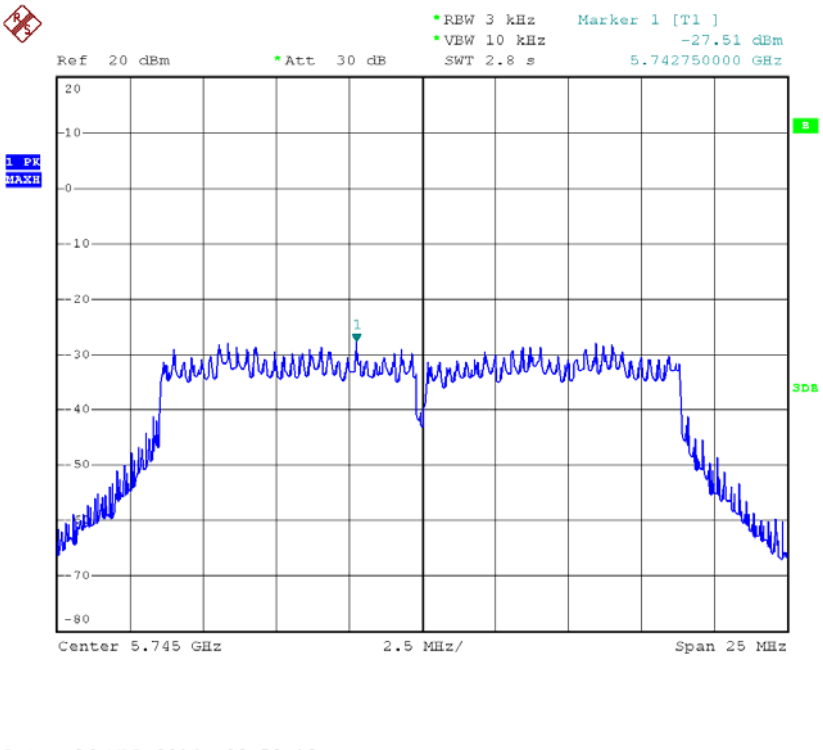
TX CH165-



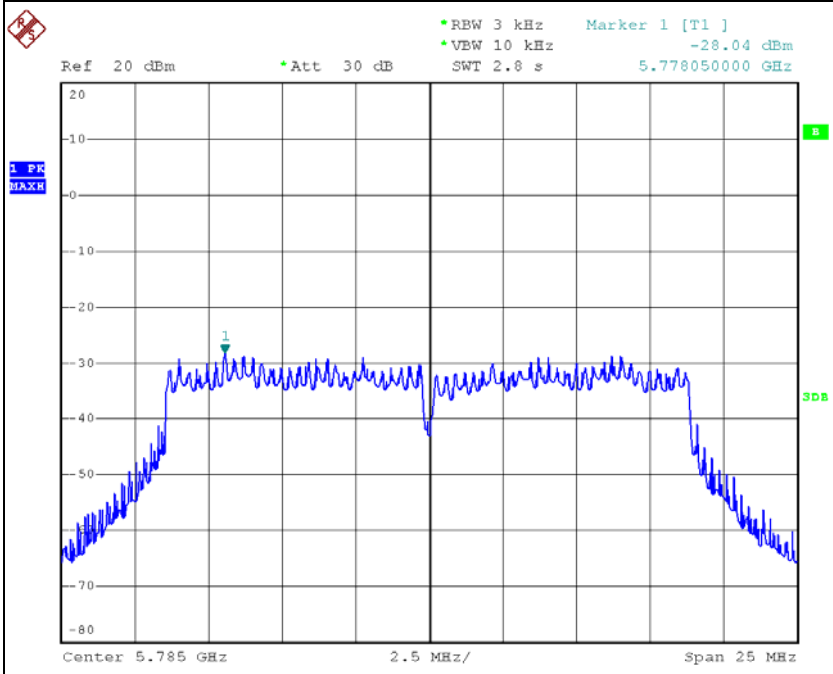
Date: 26.MAR.2014 03:09:22

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 20 Mode /CH149, CH157, CH165 / ANT 7		

TX CH149

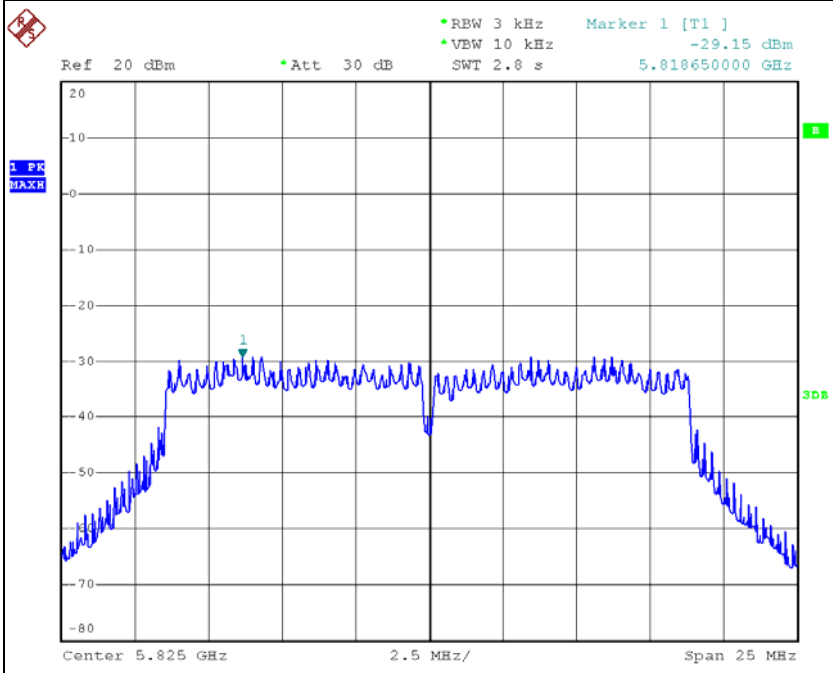


TX CH157



Date: 26.MAR.2014 03:13:54

TX CH165-



Date: 26.MAR.2014 03:09:10

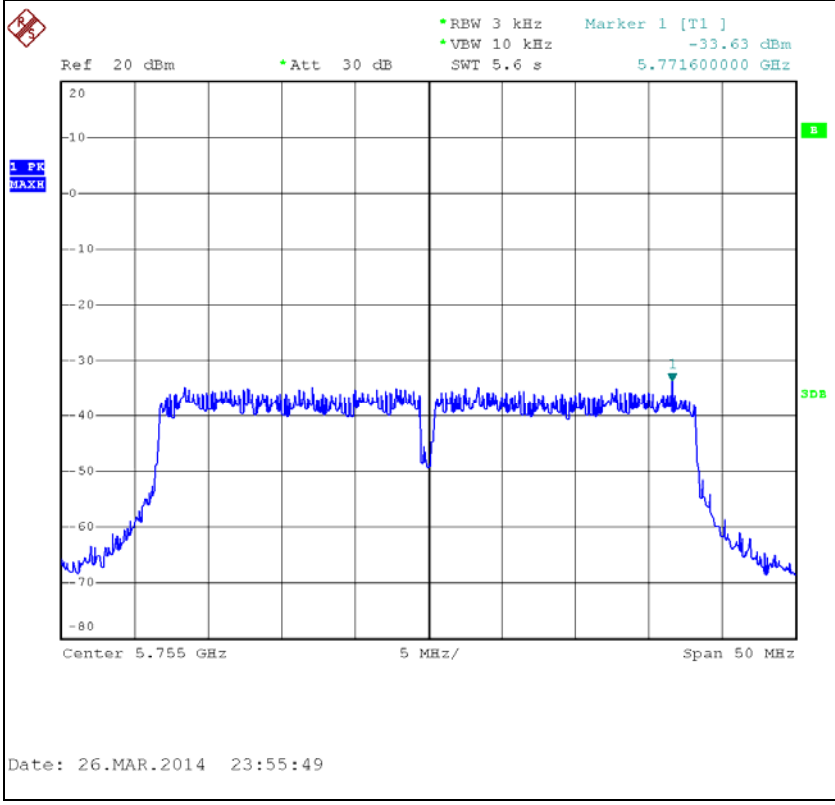
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 20 Mode /CH149, CH157, CH165		

ANT 6 + ANT 7			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH149	5745 MHz	-24.64	8
CH157	5785 MHz	-25.26	8
CH165	5825 MHz	-25.70	8

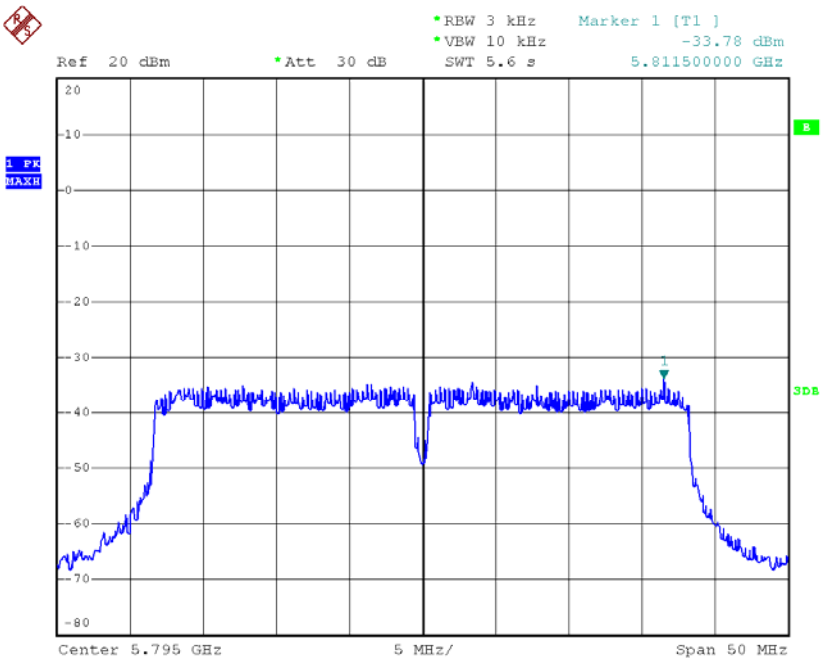
Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 40 Mode /CH151, CH159 / ANT 6		

TX CH151

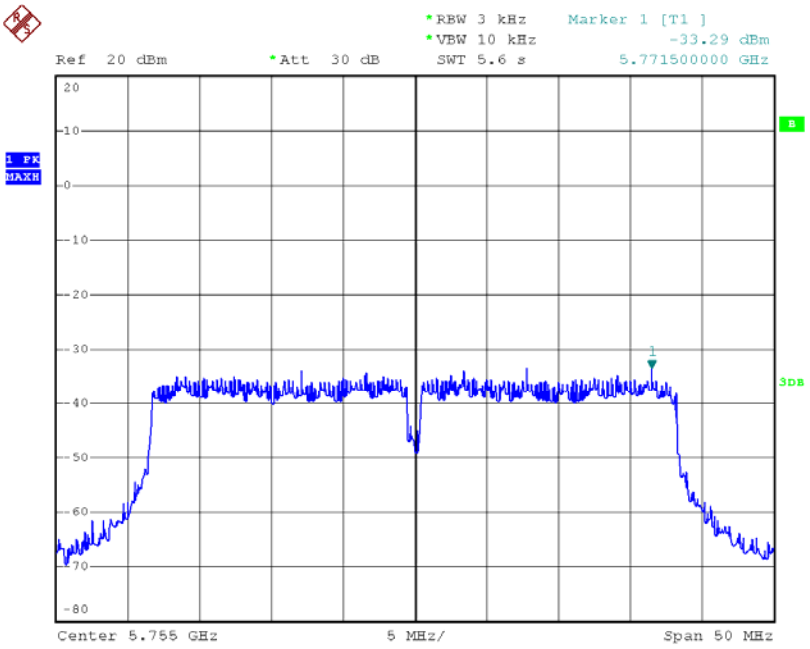


TX CH159

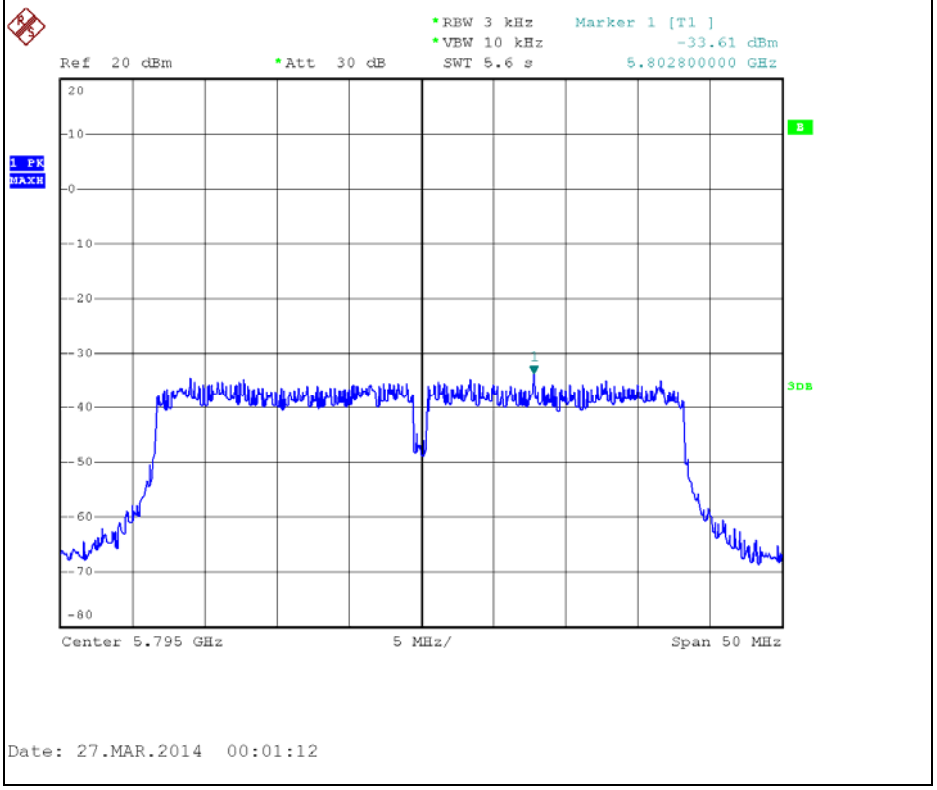

RBW 3 kHz
VBW 10 kHz
SWT 5.6 s
Marker 1 [T1]
-33.78 dBm
5.811500000 GHz
Ref 20 dBm
Att 30 dB
1 PK
MAXH
B
3DB
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80
Center 5.795 GHz
5 MHz/
Span 50 MHz
Date: 27.MAR.2014 00:01:35

EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 40 Mode /CH151, CH159 / ANT 7		

TX CH151



TX CH159


*RBW 3 kHz
*VBW 10 kHz
SWT 5.6 s
Marker 1 [T1]
-33.61 dBm
5.802800000 GHz
Ref 20 dBm
*Att 30 dB
1 PK
MAXH
3DB
Center 5.795 GHz
5 MHz/
Span 50 MHz
Date: 27.MAR.2014 00:01:12

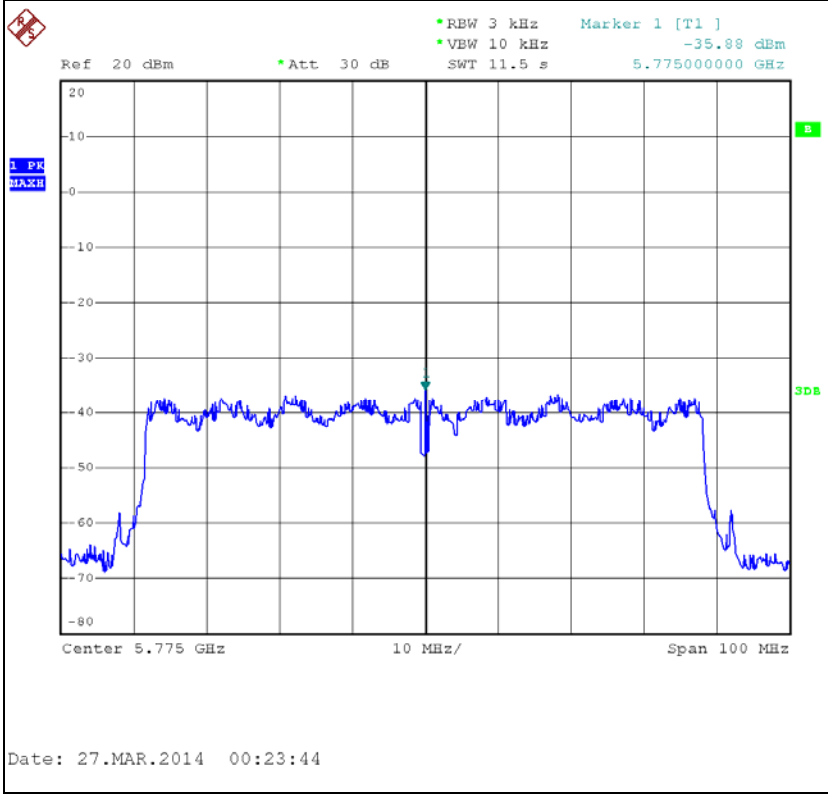
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 40 Mode /CH151, CH159		

ANT 6 + ANT 7			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH151	5755 MHz	-30.45	8
CH159	5795 MHz	-30.68	8

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

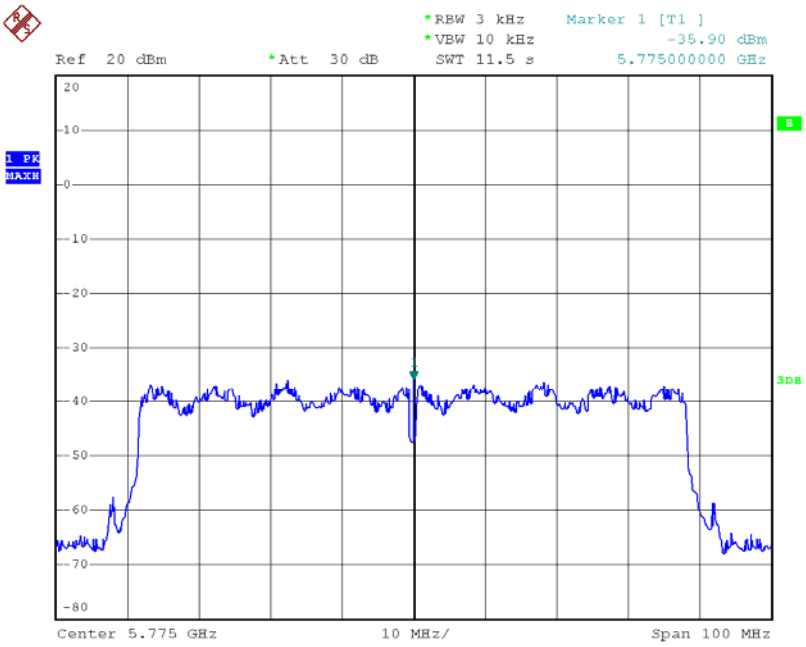
EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 80 Mode /CH155 / ANT 6		

TX CH155



EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 80 Mode /CH155 / ANT 7		

TX CH155



EUT:	AC1200 Wireless Dual Band Gigabit Router	Model Name :	WF2780
Temperature:	23 ℃	Relative Humidity:	51 %
Pressure:	1010 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	TX AC 80 Mode /CH155		

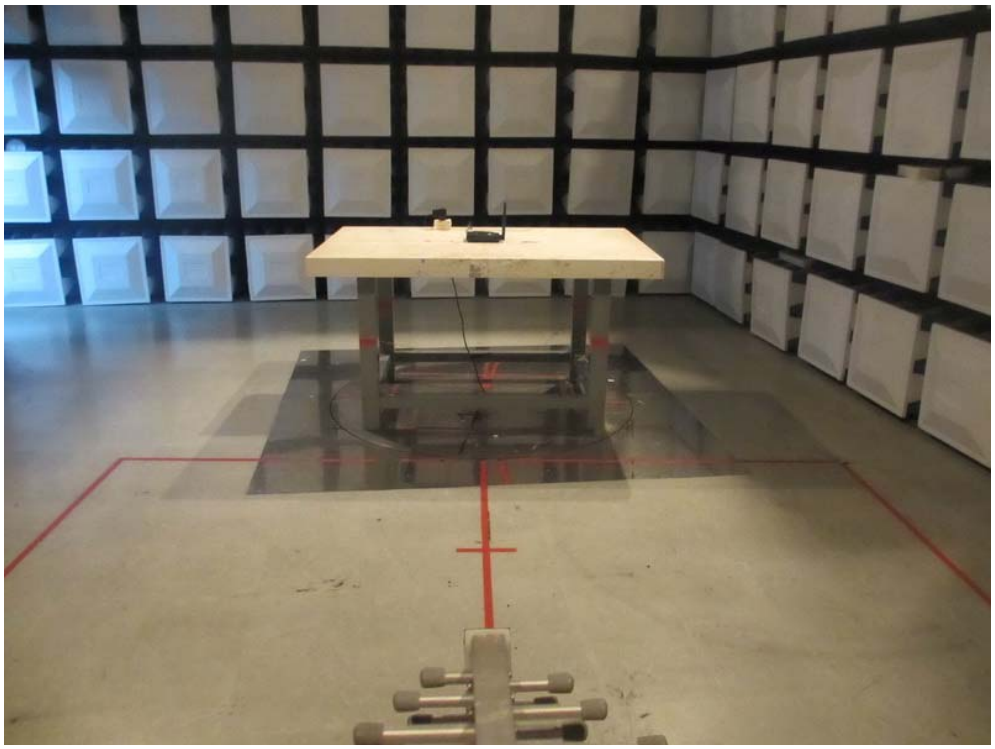
ANT 6 + ANT 7			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH155	5775 MHz	-32.88	8

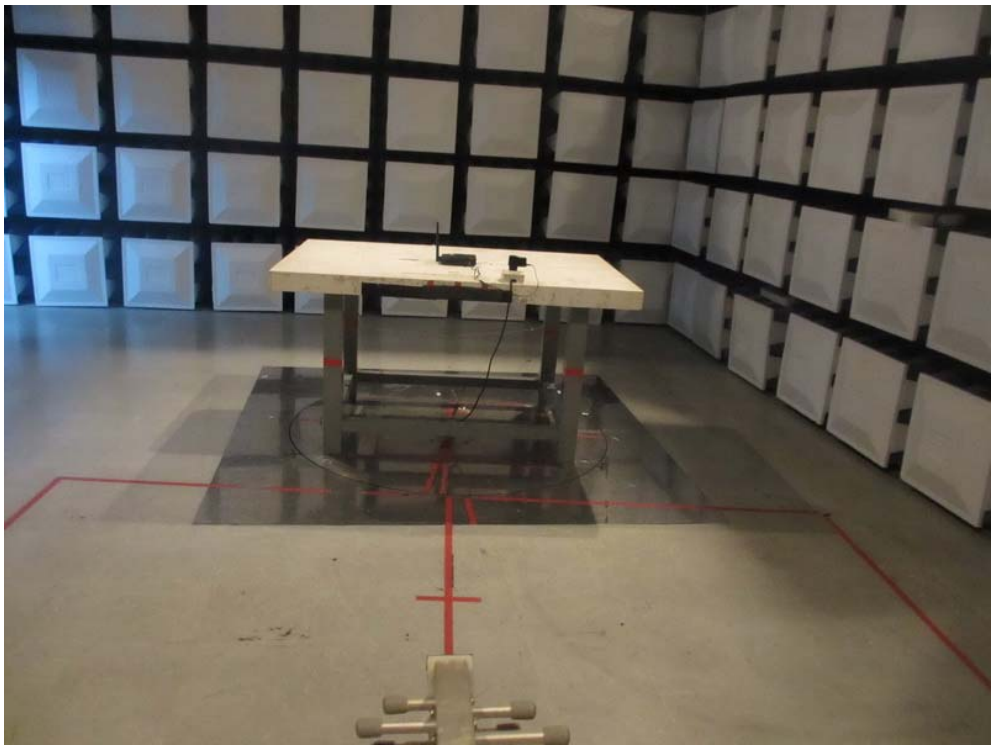
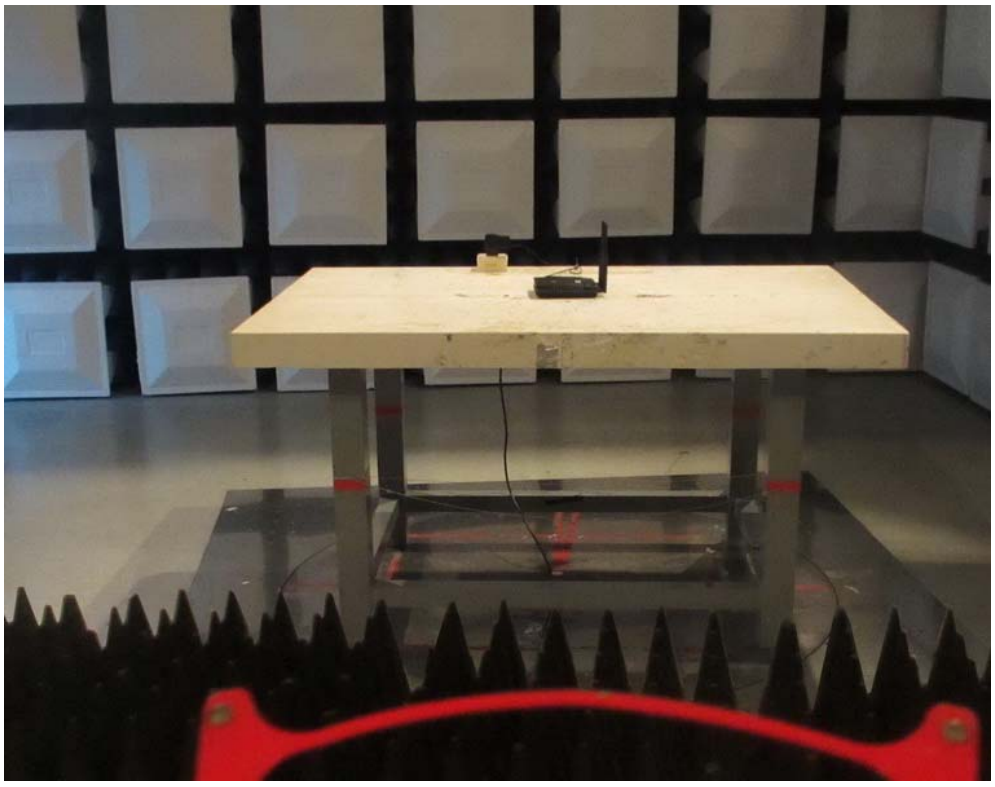
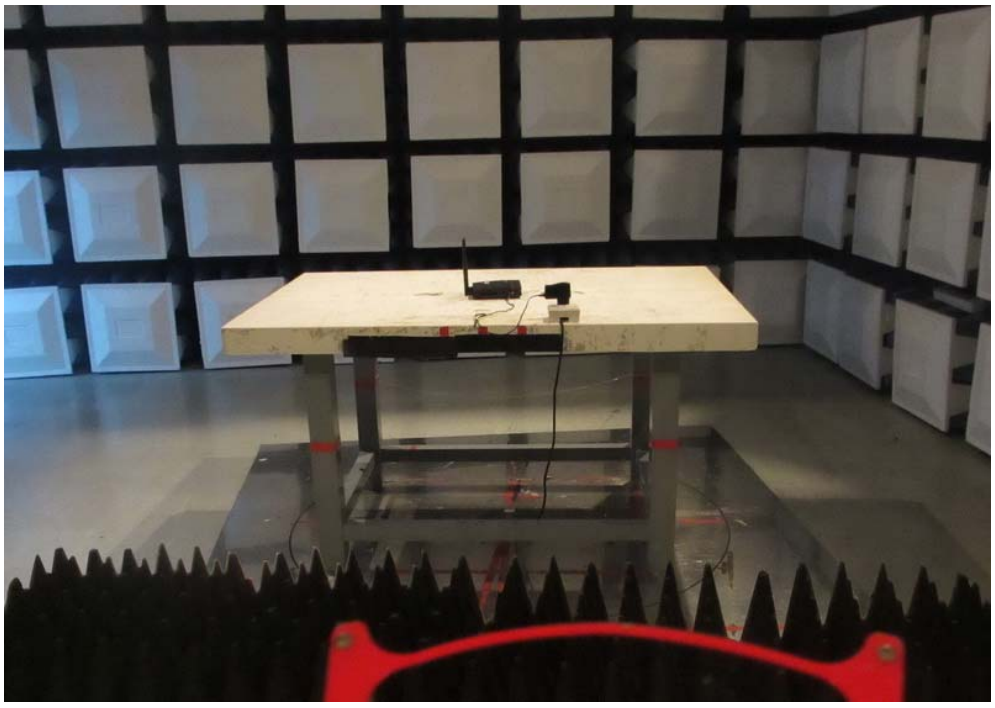
Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated.

9. EUT TEST PHOTO

Conducted Measurement Photos

Radiated Measurement Photos
30M~1000MHz





Radiated Measurement Photos
Above 1000MHz