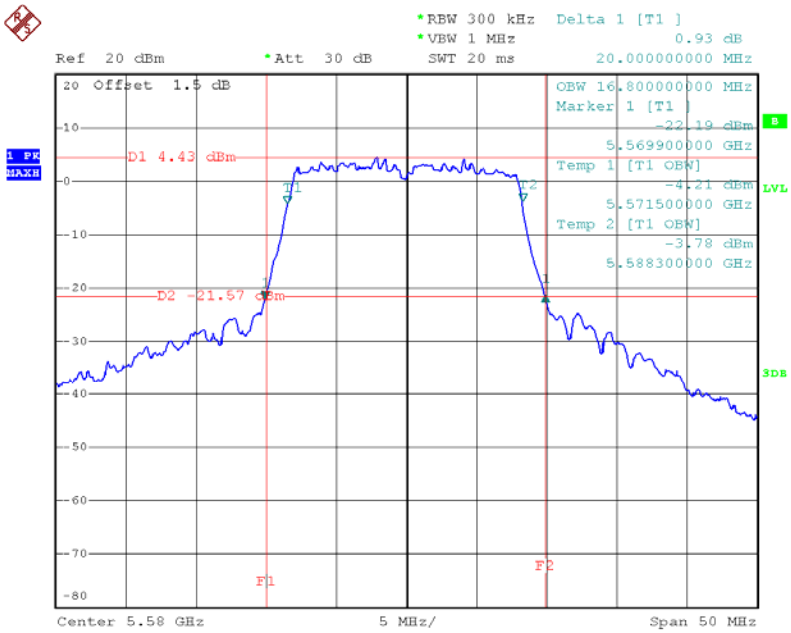
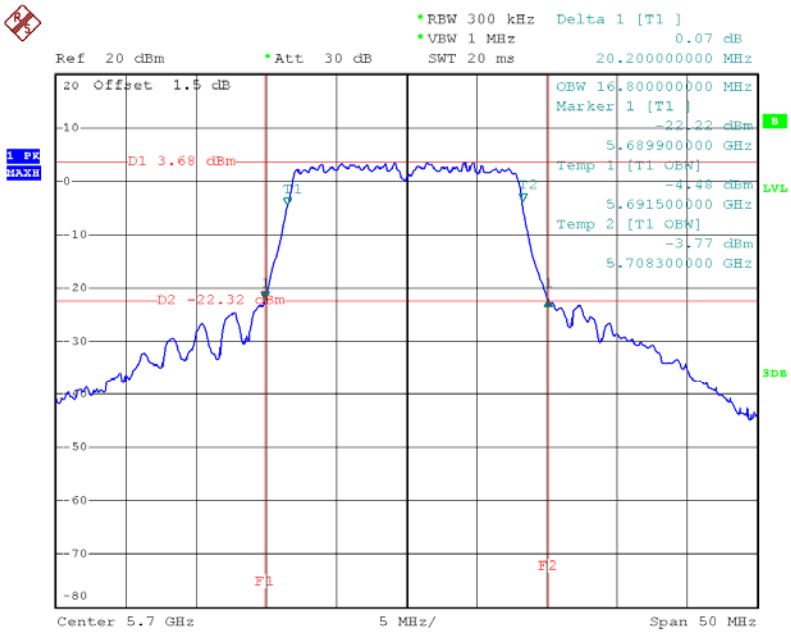
CH116



Date: 5.SEP.2013 17:11:54

CH140

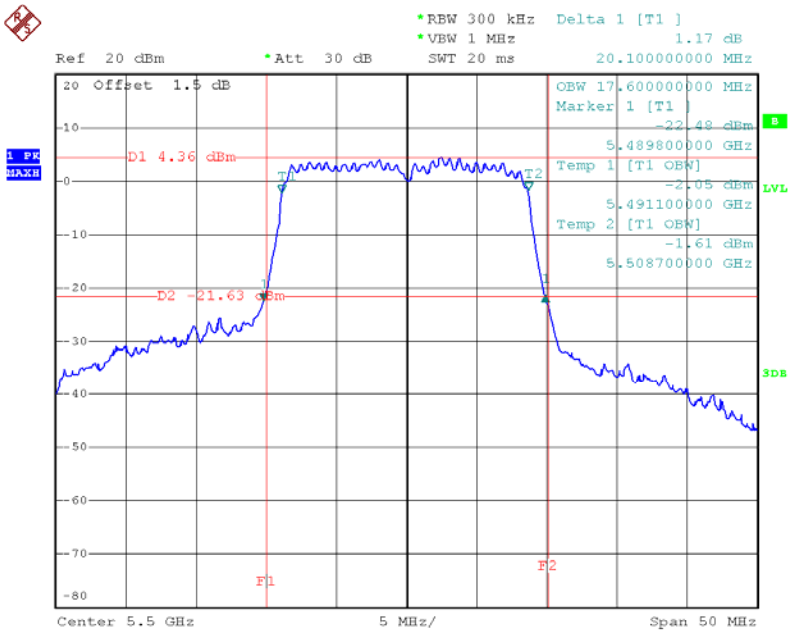


Date: 5.SEP.2013 17:14:48

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode /CH100, CH116,CH140/Dipole Antenna with external cable		

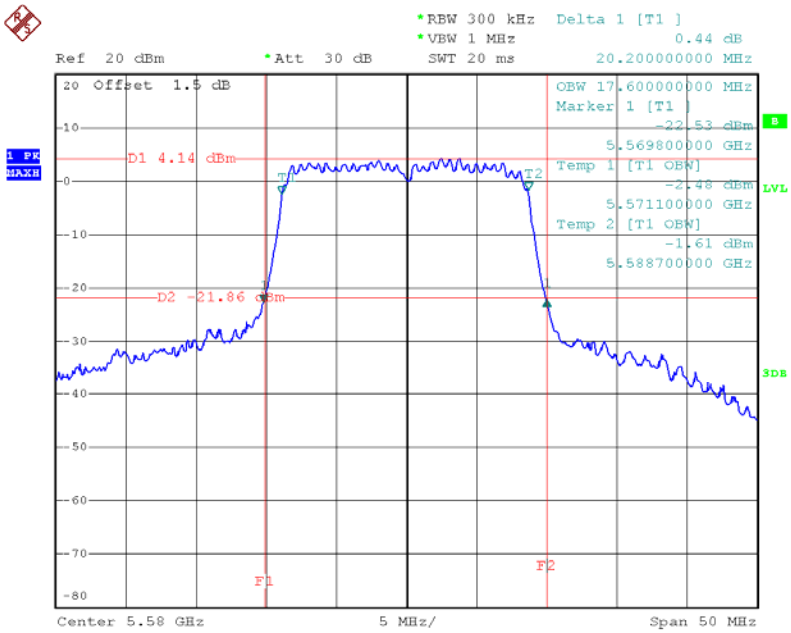
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	20.10	17.60
CH116	5580	20.20	17.60
CH140	5700	20.00	17.60

CH100



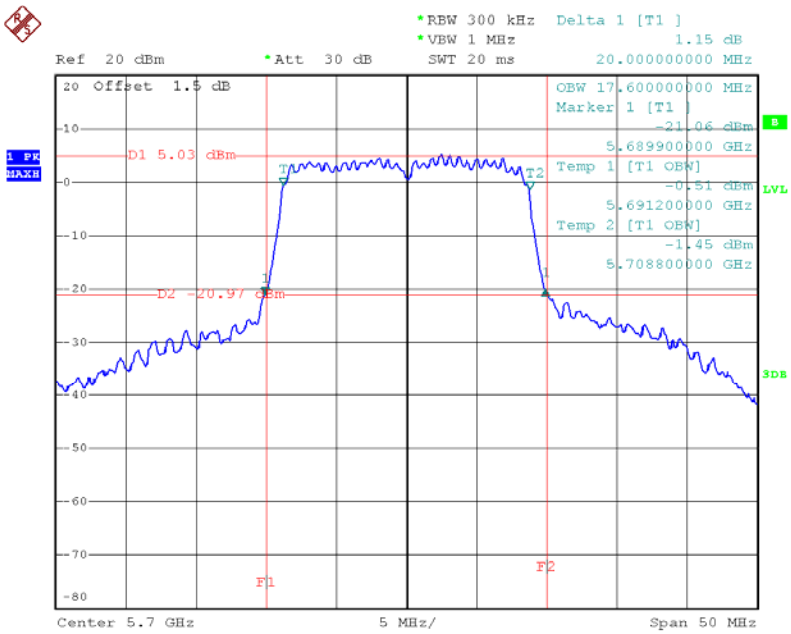
Date: 24.AUG.2013 17:24:33

CH116



Date: 24.AUG.2013 17:26:47

CH140

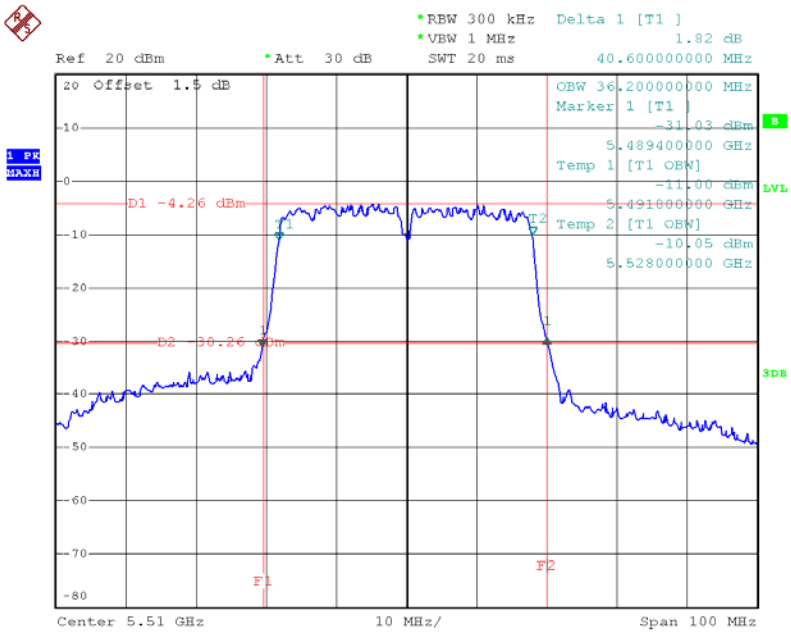


Date: 24.AUG.2013 17:31:24

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode /CH102, CH110,CH134/Dipole Antenna with external cable		

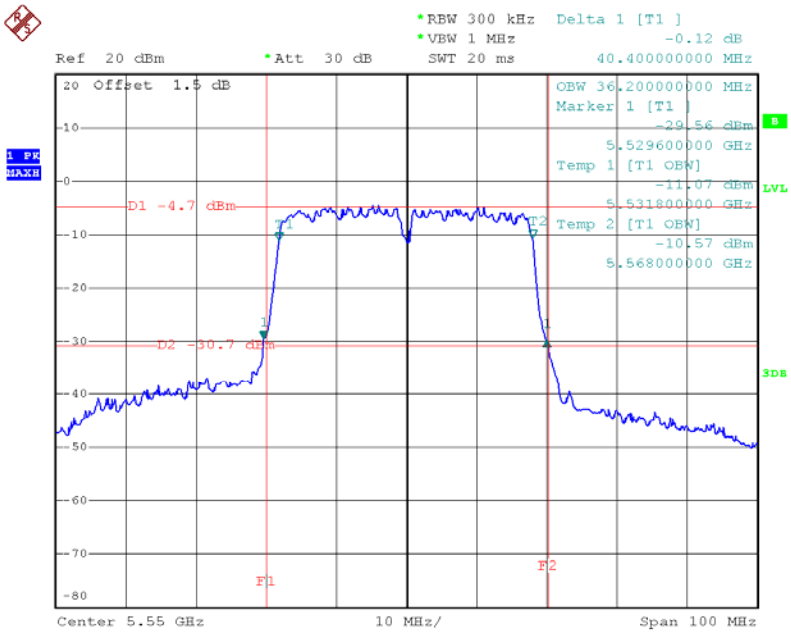
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH102	5510	40.60	36.20
CH110	5550	40.40	36.20
CH134	5670	40.60	36.00

CH102



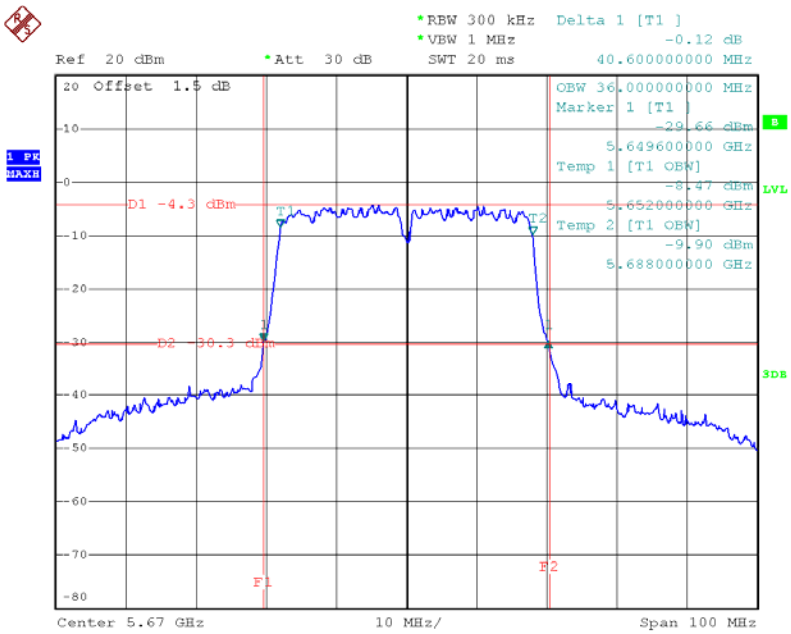
Date: 24.AUG.2013 17:56:06

CH110



Date: 24.AUG.2013 17:57:55

CH134



Date: 24.AUG.2013 18:02:08

6. MAXIMUM CONDUCTED OUTPUT POWER

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Frequency Range (MHz)	Limit	Result
Conducted Output Power	5150 - 5250	not exceed the lesser of 50 mW (17dBm) or 4 dBm + 10log B,	PASS
	5250 - 5350	not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B	PASS
	5470 - 5725	not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10log B	PASS

Note: where "B" is the 26 dB emissions bandwidth in MHz.

6.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100129	Nov.26.2013

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 spectrum analyzer and antenna output port as show in the block diagram below,

b.

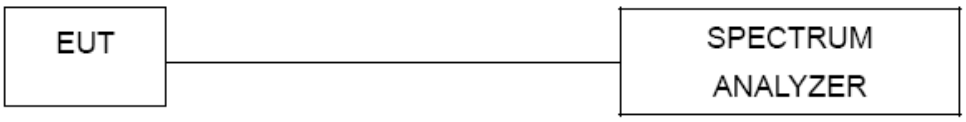
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	= 1 MHz.
VBW	≥ 3 MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	auto

b. Test was performed in accordance with method of KDB 789033 D01.

6.1.3 DEVIATION FROM STANDARD

No deviation.

6.1.4 TEST SETUP



6.1.5 EUT OPERATION CONDITIONS

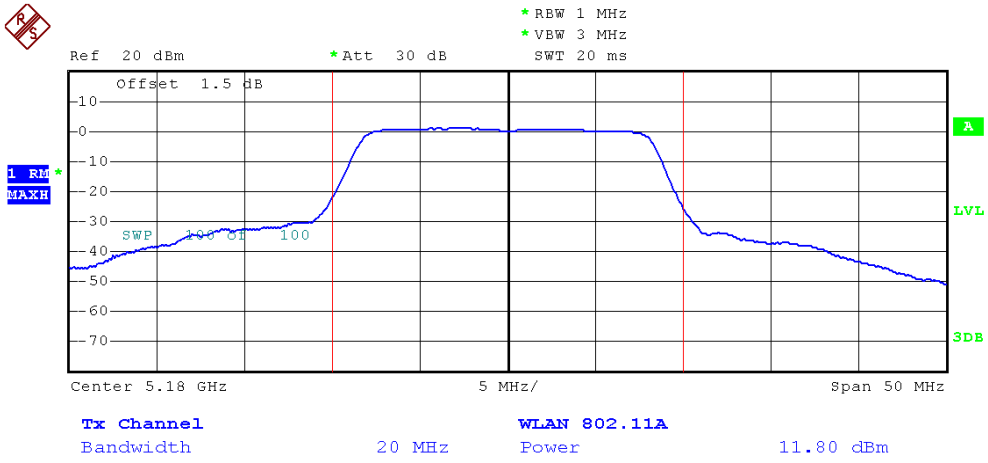
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.6 TEST RESULTS

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Integral Antenna		

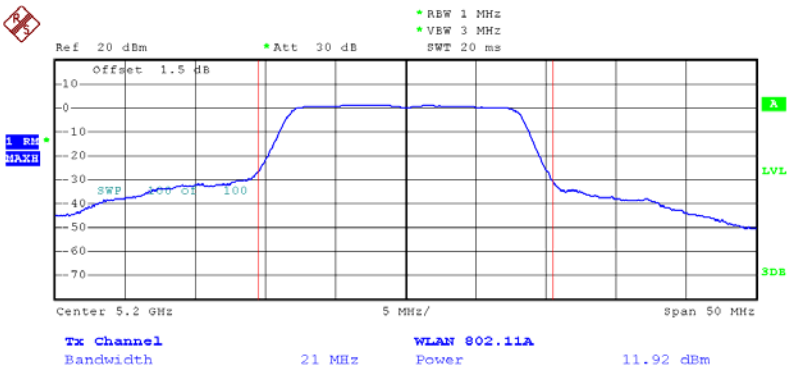
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	11.80	17.00	0.0501
CH40	5200	11.92	17.00	0.0501
CH48	5240	12.03	17.00	0.0501

CH36



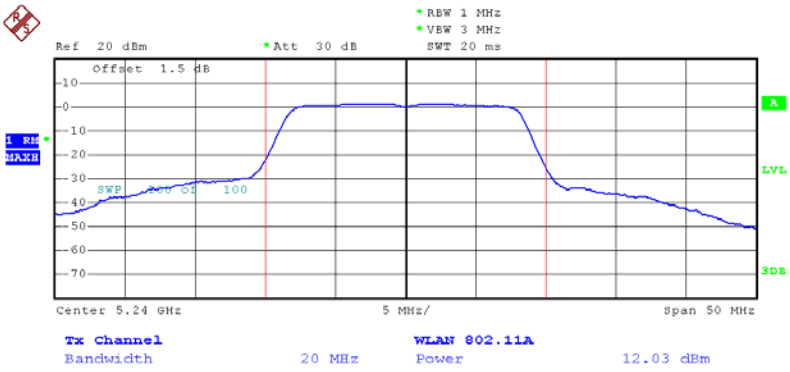
Date: 5.SEP.2013 16:19:30

CH40



Date: 5.SEP.2013 16:24:20

CH48

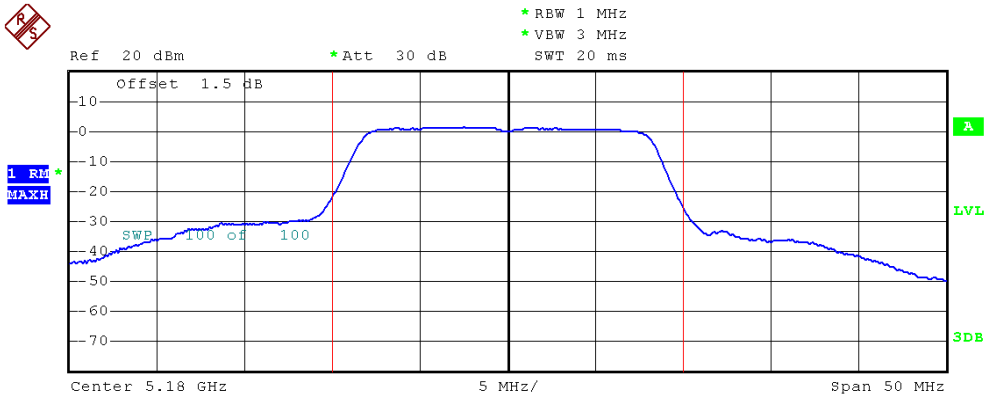


Date: 5.SEP.2013 16:26:23

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Integral Antenna		

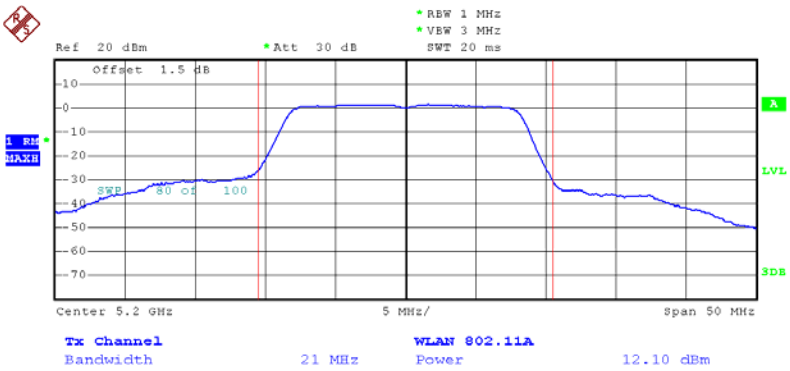
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	12.09	17.00	0.0501
CH40	5200	12.10	17.00	0.0501
CH48	5240	12.15	17.00	0.0501

CH36



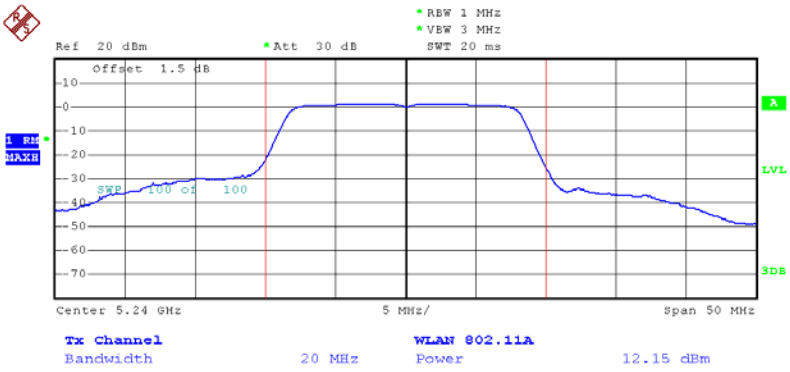
Date: 5.SEP.2013 16:19:56

CH40



Date: 5.SEP.2013 16:23:34

CH48



Date: 5.SEP.2013 16:27:59

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Integral Antenna		

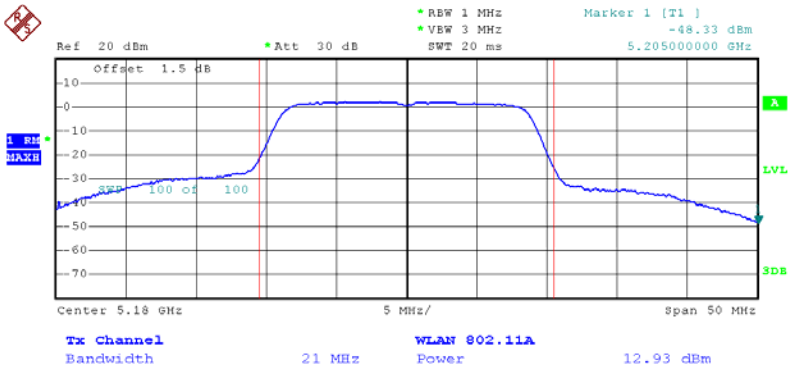
ANT 1+ ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	14.96	17.00	0.0501
CH40	5200	15.02	17.00	0.0501
CH48	5240	15.10	17.00	0.0501

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Integral Antenna		

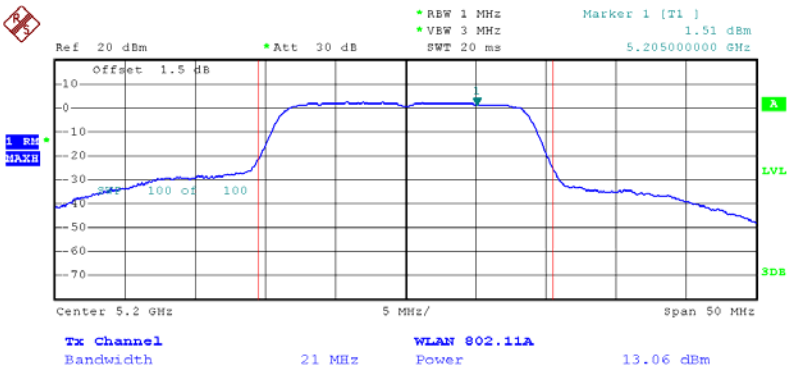
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	12.93	17.00	0.0501
CH40	5200	13.06	17.00	0.0501
CH48	5240	12.89	17.00	0.0501

CH36



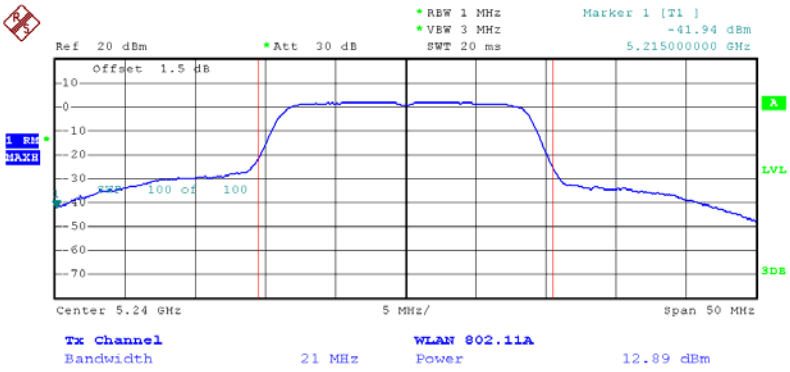
Date: 21.AUG.2013 17:09:29

CH40



Date: 21.AUG.2013 17:19:29

CH48

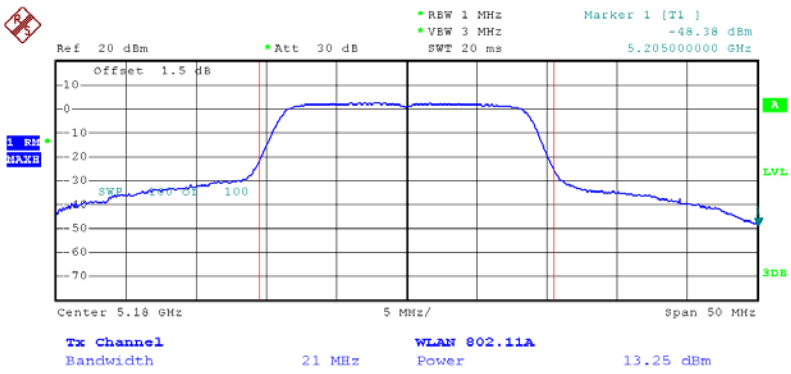


Date: 21.AUG.2013 17:23:08

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Integral Antenna		

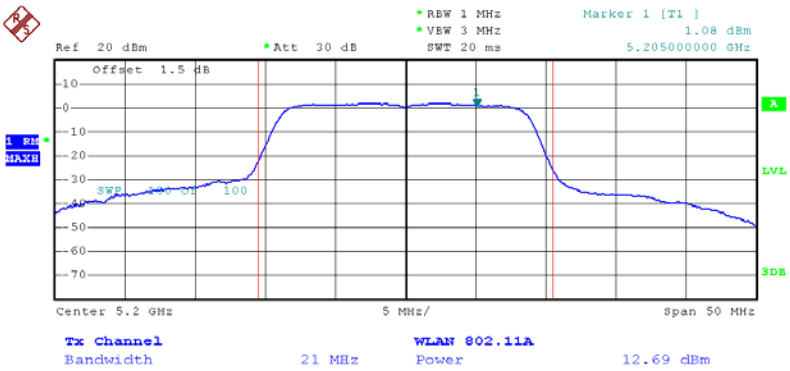
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	13.25	17.00	0.0501
CH40	5200	12.69	17.00	0.0501
CH48	5240	12.88	17.00	0.0501

CH36



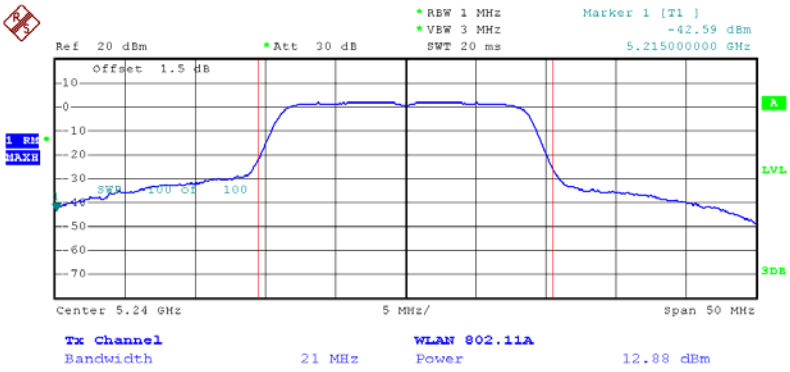
Date: 21.AUG.2013 17:13:55

CH40



Date: 21.AUG.2013 17:18:08

CH48



Date: 21.AUG.2013 17:24:23

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Integral Antenn		

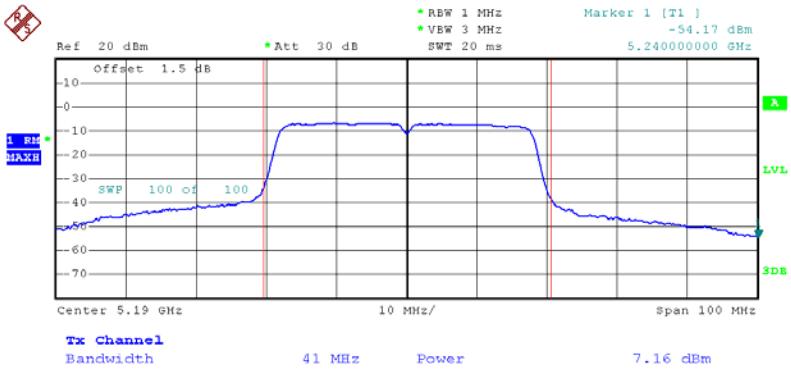
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	16.10	17.00	0.0501
CH40	5200	15.89	17.00	0.0501
CH48	5240	15.90	17.00	0.0501

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH38, CH46/Integral Antenna		

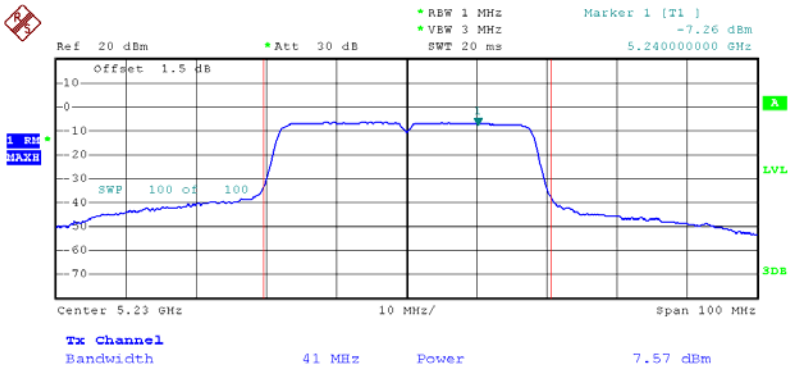
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	7.16	17.00	0.0501
CH46	5230	7.57	17.00	0.0501

CH38



Date: 21.AUG.2013 18:00:58

CH46

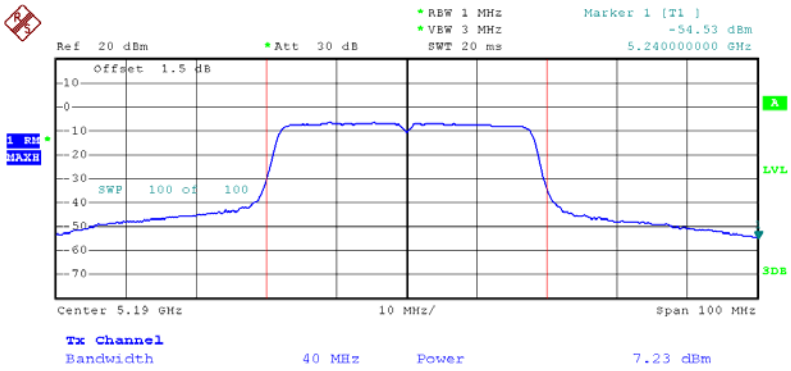


Date: 21.AUG.2013 18:02:47

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH38, CH46/Integral Antenna		

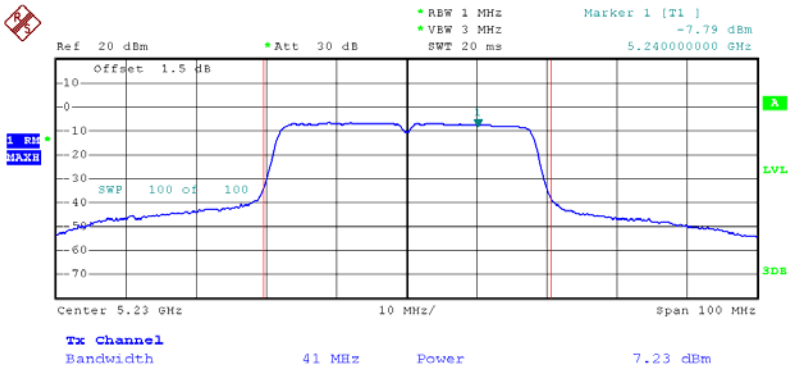
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	7.23	17.00	0.0501
CH46	5230	7.23	17.00	0.0501

CH38



Date: 21.AUG.2013 17:58:43

CH46



Date: 21.AUG.2013 18:04:09

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH38, CH46/Integral Antenna		

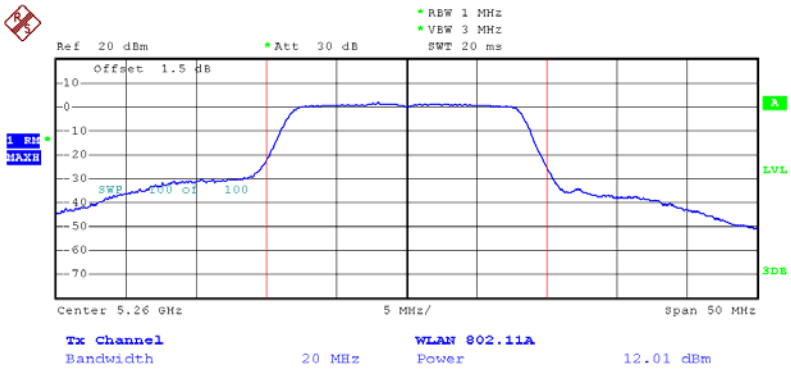
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	10.21	17.00	0.0501
CH46	5230	10.41	17.00	0.0501

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64/Integral Antenna		

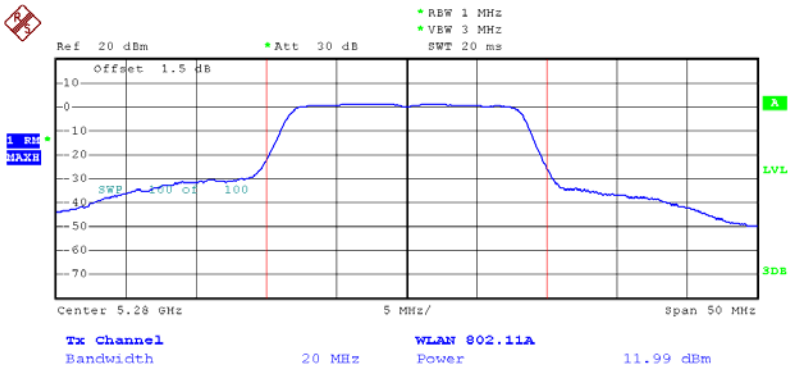
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	12.01	24	0.251
CH56	5280	11.99	24	0.251
CH64	5320	11.82	24	0.251

CH52



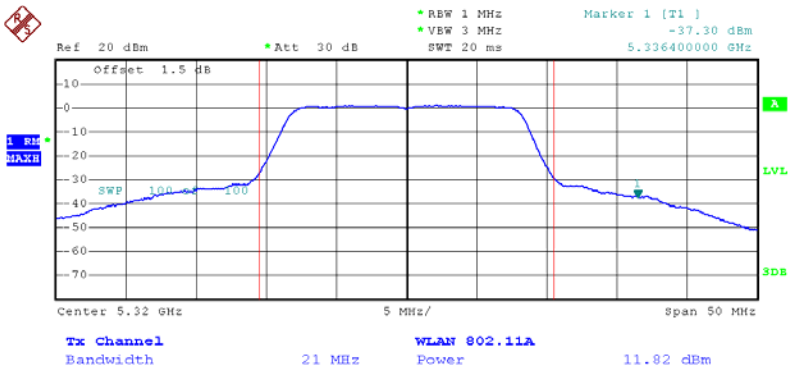
Date: 5.SEP.2013 16:30:07

CH56



Date: 5.SEP.2013 16:35:22

CH64

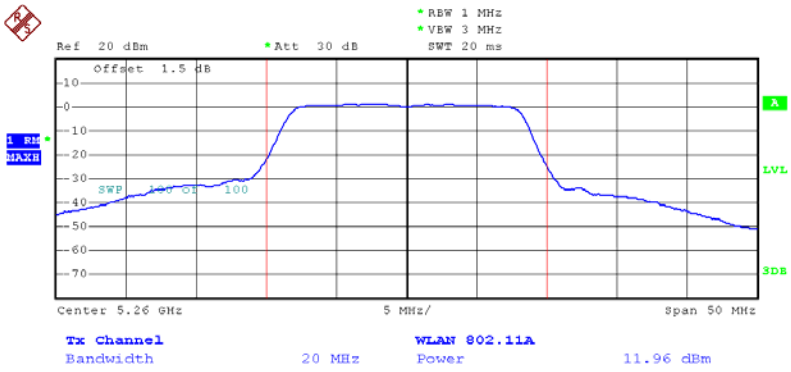


Date: 5.SEP.2013 16:38:12

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64/Integral Antenna		

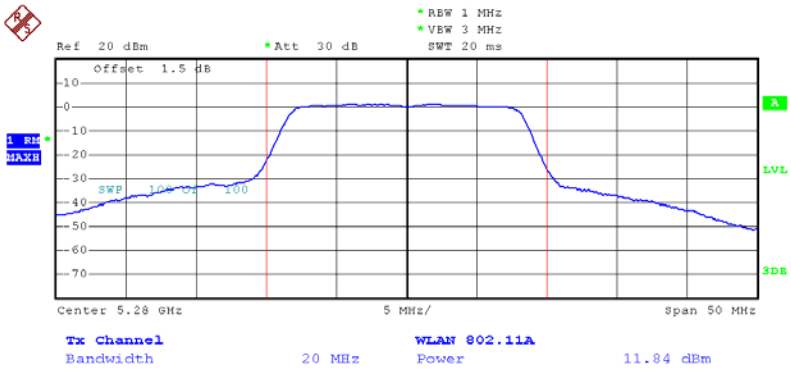
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	11.96	24	0.251
CH56	5280	11.84	24	0.251
CH64	5320	11.95	24	0.251

CH52



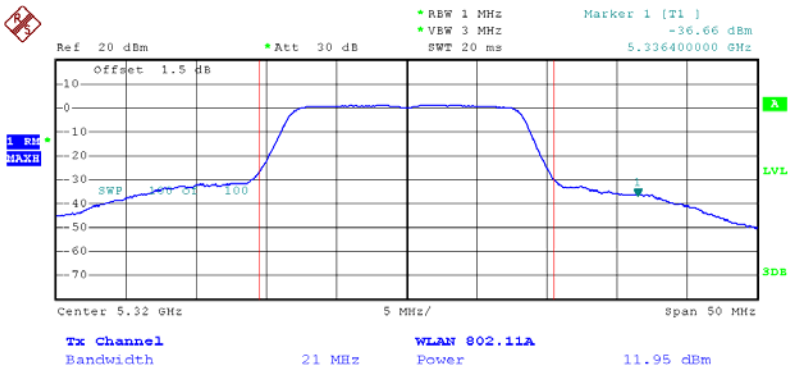
Date: 5.SEP.2013 16:31:09

CH56



Date: 5.SEP.2013 16:34:03

CH64



Date: 5.SEP.2013 16:37:27

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64/Integral Antenna		

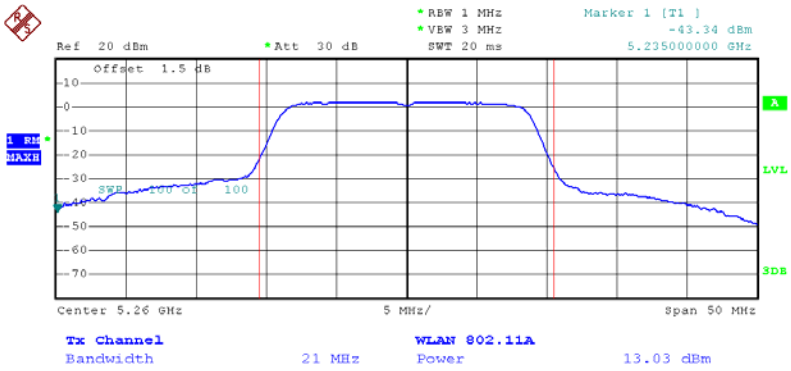
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	15.00	24	0.251
CH56	5280	14.93	24	0.251
CH64	5320	14.90	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64/Integral Antenna		

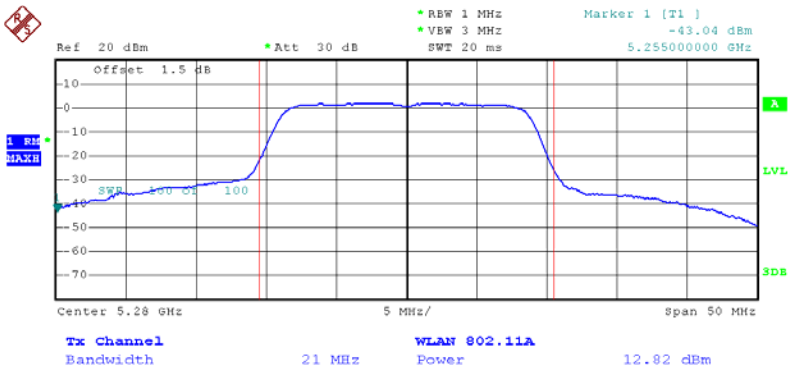
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	13.03	24	0.251
CH56	5280	12.82	24	0.251
CH64	5320	12.71	24	0.251

CH52



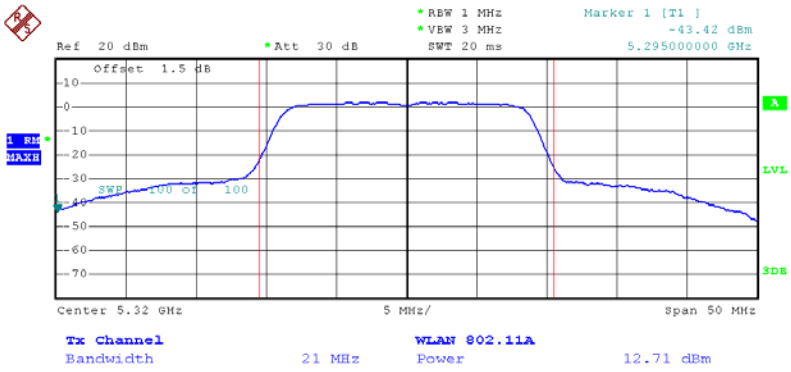
Date: 21.AUG.2013 17:26:28

CH56



Date: 21.AUG.2013 17:31:08

CH64

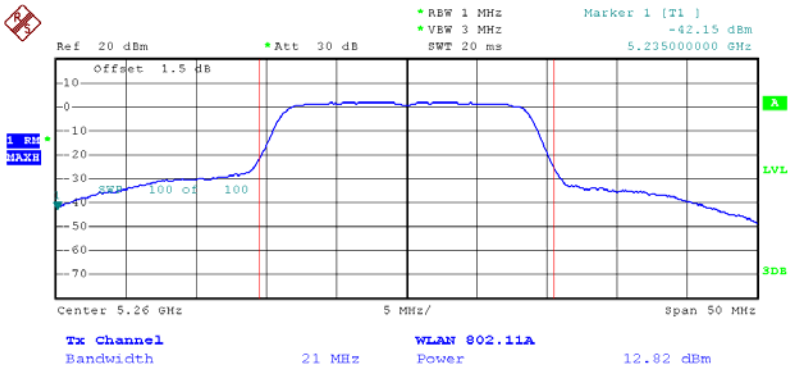


Date: 21.AUG.2013 17:34:47

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64/Integral Antenna		

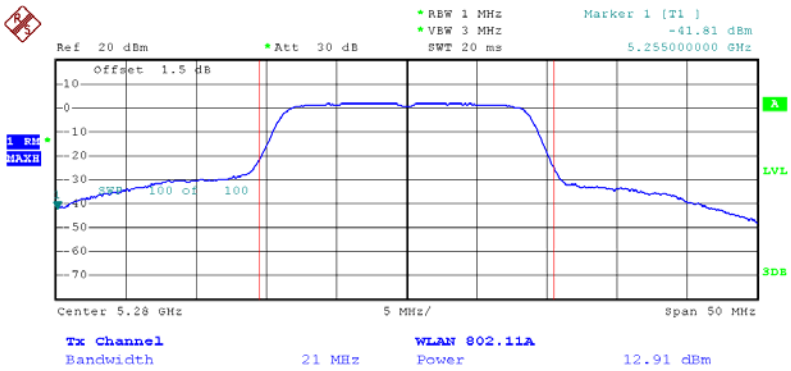
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	12.82	24	0.251
CH56	5280	12.91	24	0.251
CH64	5320	13.29	24	0.251

CH52



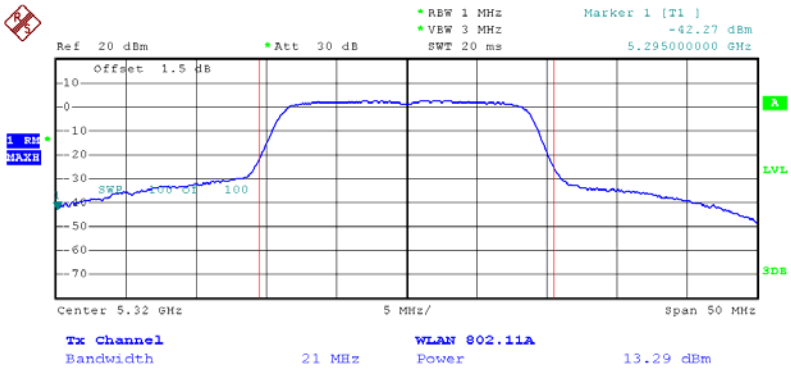
Date: 21.AUG.2013 17:27:55

CH56



Date: 21.AUG.2013 17:29:51

CH64



Date: 21.AUG.2013 17:33:04

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64/Integral Antenna		

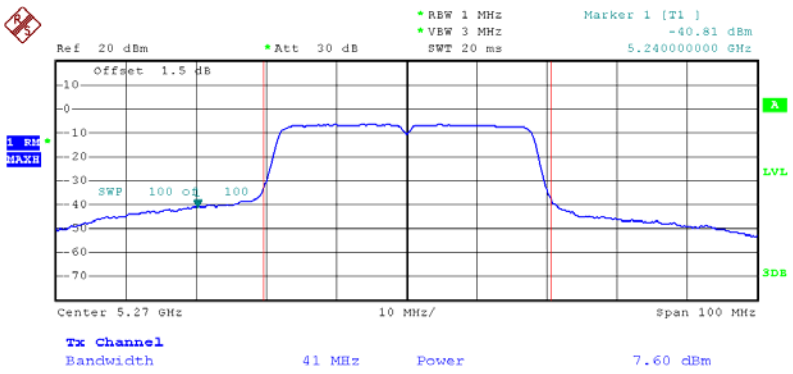
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	15.94	24	0.251
CH56	5280	15.88	24	0.251
CH64	5320	16.02	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62/Integral Antenna		

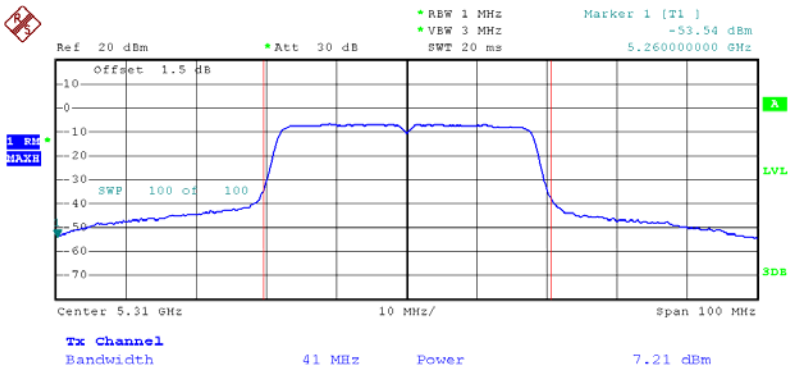
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	7.60	24	0.251
CH62	5310	7.21	24	0.251

CH54



Date: 21.AUG.2013 18:06:52

CH62

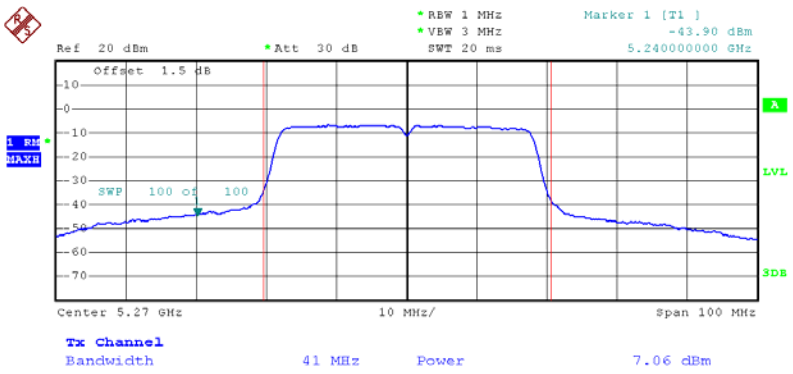


Date: 21.AUG.2013 18:09:16

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62/Integral Antenna		

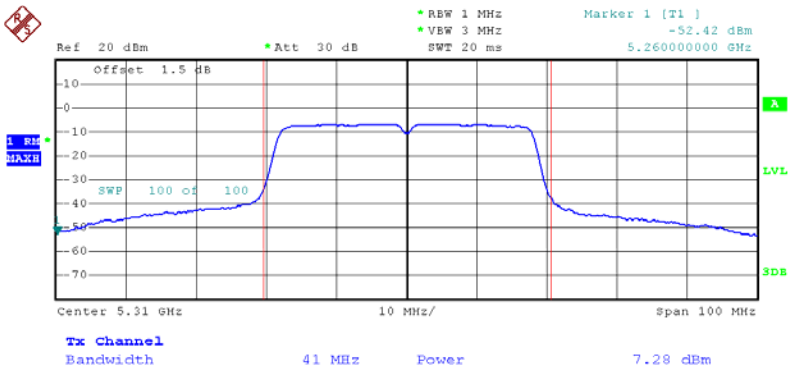
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	7.06	24	0.251
CH62	5310	7.28	24	0.251

CH54



Date: 21.AUG.2013 18:05:42

CH62



Date: 21.AUG.2013 18:08:16

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62/Integral Antenna		

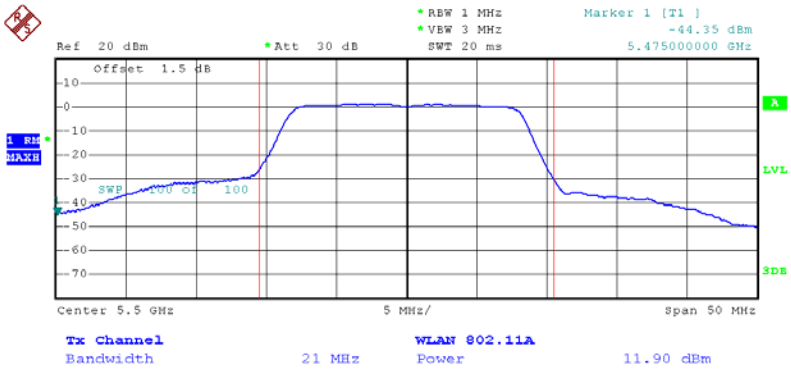
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	10.35	24	0.251
CH62	5310	10.26	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140/Integral Antenna		

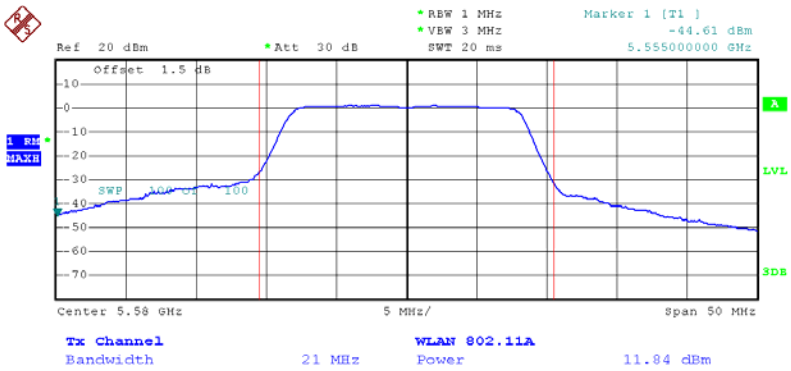
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	11.90	24	0.251
CH116	5580	11.84	24	0.251
CH140	5700	11.83	24	0.251

CH100



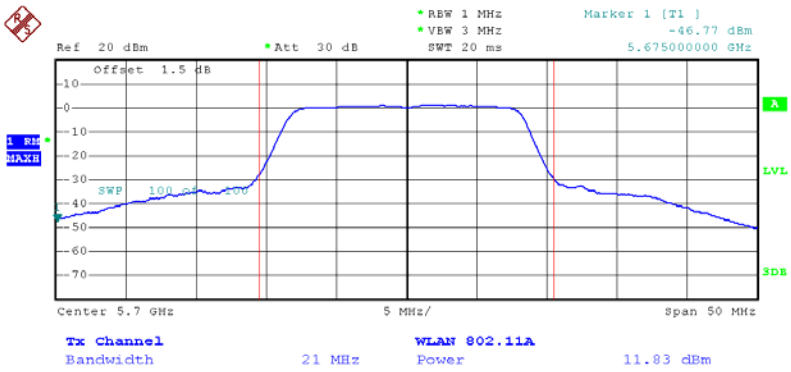
Date: 5.SEP.2013 16:41:12

CH116



Date: 5.SEP.2013 16:44:26

CH140

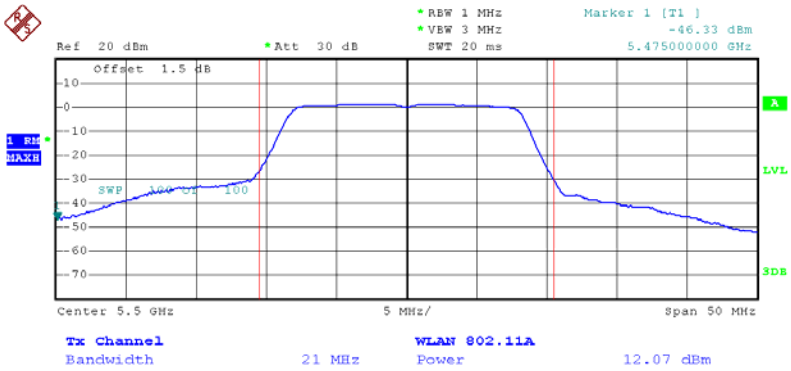


Date: 5.SEP.2013 16:48:28

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140/Integral Antenna		

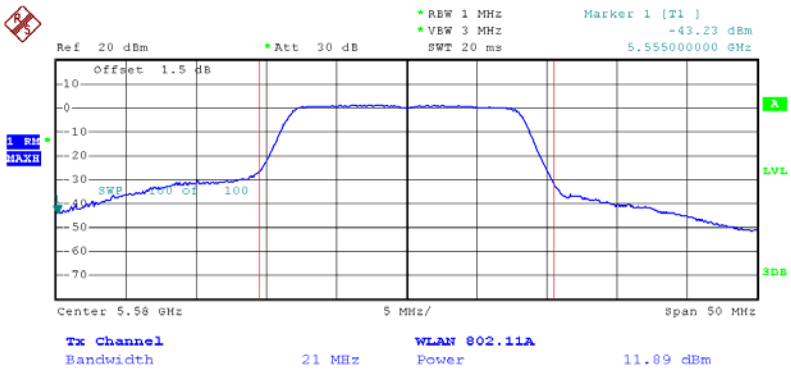
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.07	24	0.251
CH116	5580	11.89	24	0.251
CH140	5700	11.71	24	0.251

CH100



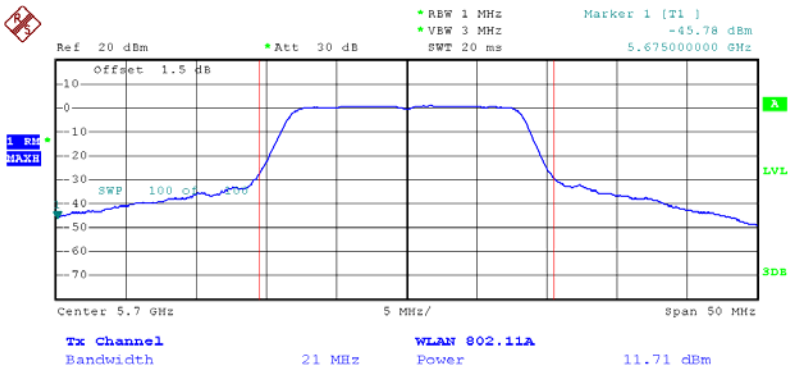
Date: 5.SEP.2013 16:39:49

CH116



Date: 5.SEP.2013 16:43:51

CH140



Date: 5.SEP.2013 16:47:26

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140/Integral Antenna		

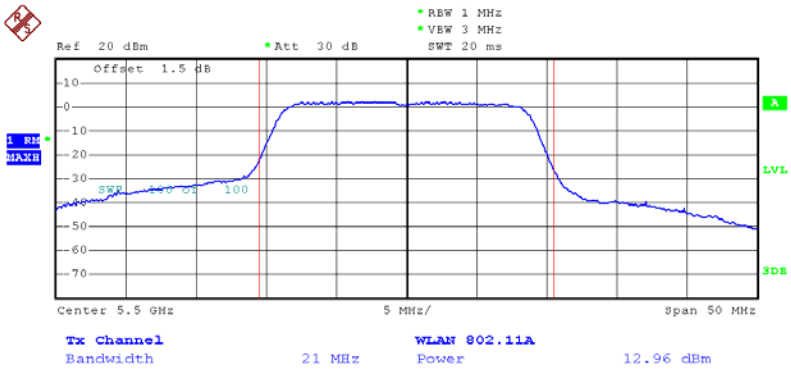
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	15.00	24	0.251
CH116	5580	14.88	24	0.251
CH140	5700	14.78	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140/Integral Antenna		

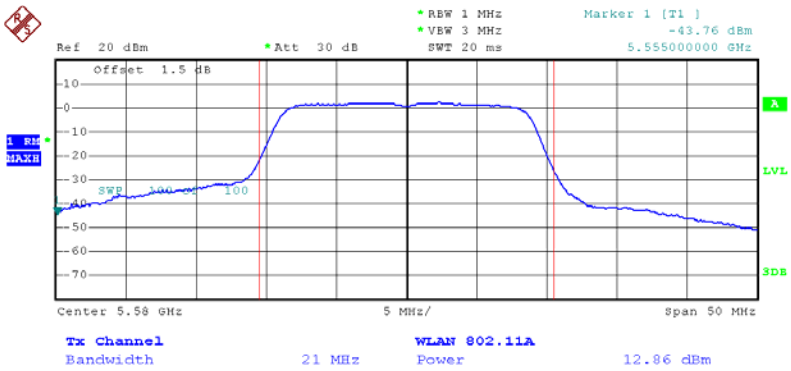
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.96	24	0.251
CH116	5580	12.86	24	0.251
CH140	5700	12.91	24	0.251

CH100



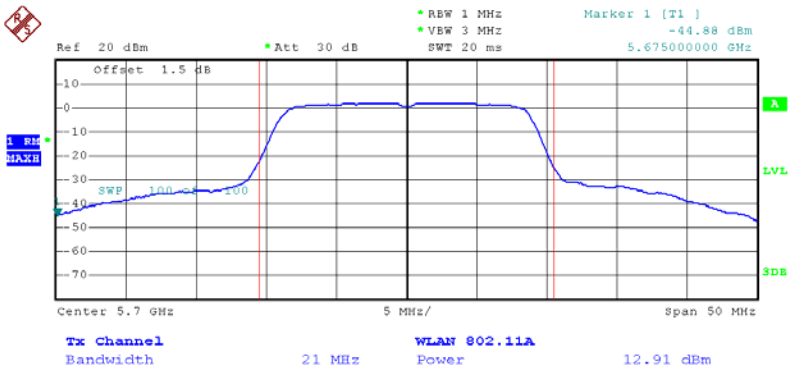
Date: 24.AUG.2013 17:25:15

CH116



Date: 21.AUG.2013 17:37:38

CH140

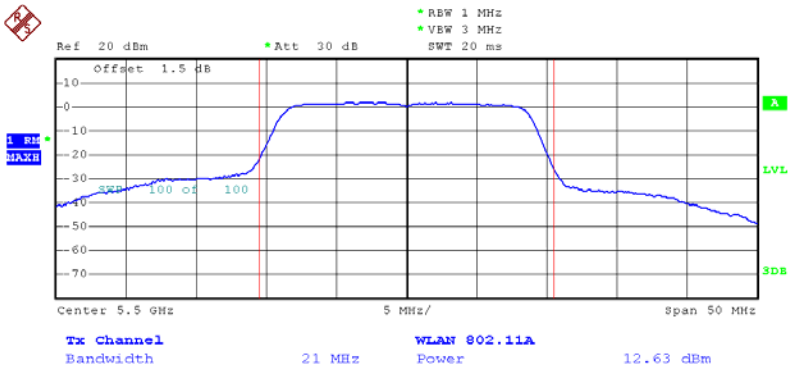


Date: 21.AUG.2013 17:40:20

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140/Integral Antenna		

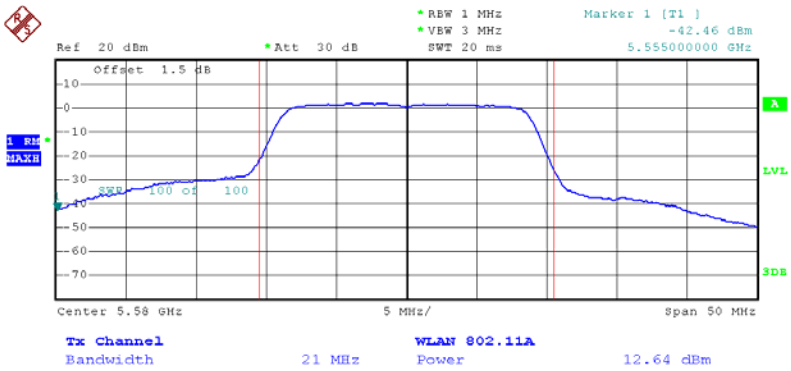
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.63	24	0.251
CH116	5580	12.64	24	0.251
CH140	5700	12.88	24	0.251

CH100



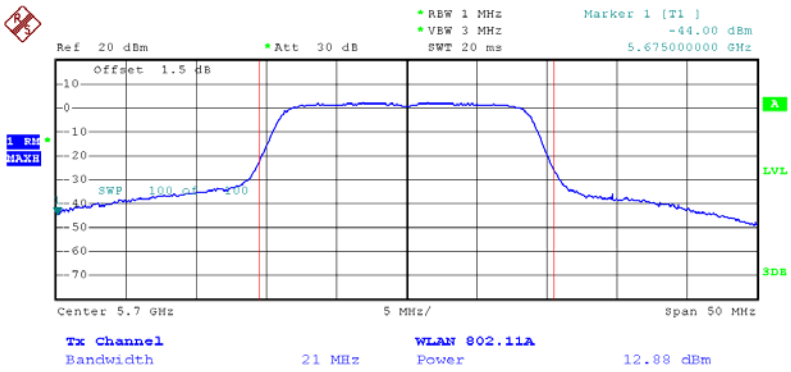
Date: 24.AUG.2013 17:23:27

CH116



Date: 21.AUG.2013 17:36:34

CH140



Date: 21.AUG.2013 17:39:01

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140/Integral Antenna		

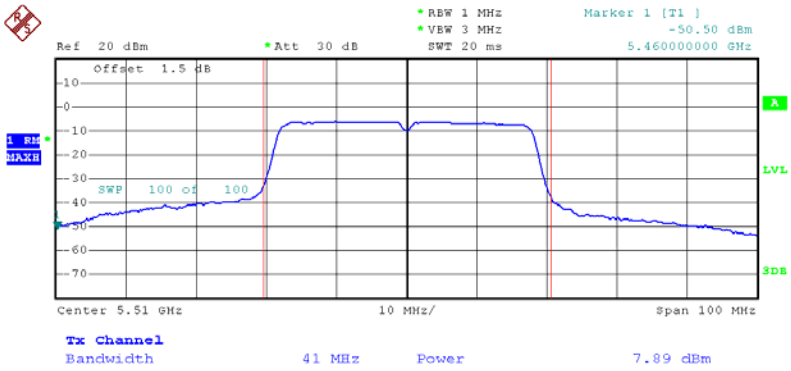
ANT 1+ ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	15.81	24	0.251
CH116	5580	15.76	24	0.251
CH140	5700	15.91	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110, CH134/Integral Antenna		

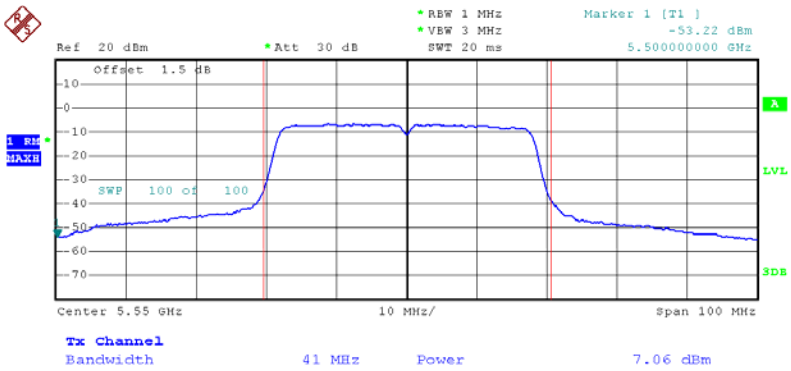
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	7.89	24	0.251
CH110	5550	7.06	24	0.251
CH134	5670	7.02	24	0.251

CH102



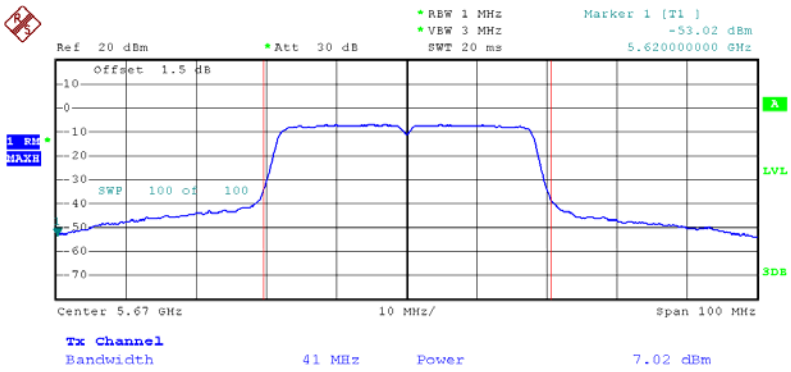
Date: 21.AUG.2013 18:11:56

CH110



Date: 21.AUG.2013 18:15:57

CH134

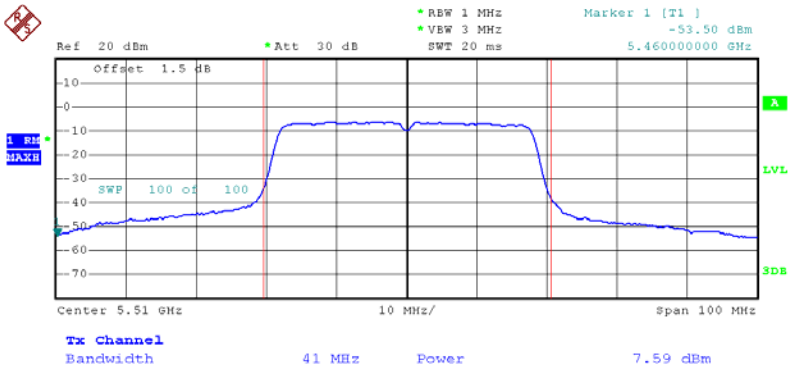


Date: 21.AUG.2013 18:18:28

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110, CH134/Integral Antenna		

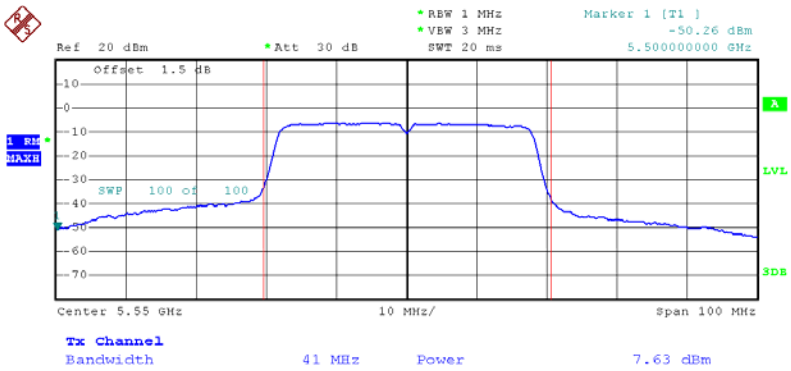
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	7.59	24	0.251
CH110	5550	7.63	24	0.251
CH134	5670	7.12	24	0.251

CH102



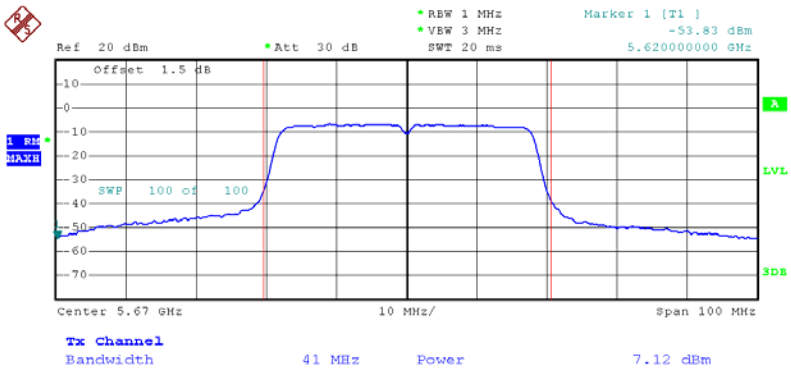
Date: 21.AUG.2013 18:10:50

CH110



Date: 21.AUG.2013 18:14:46

CH134



Date: 21.AUG.2013 18:17:16

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110, CH134/Integral Antenna		

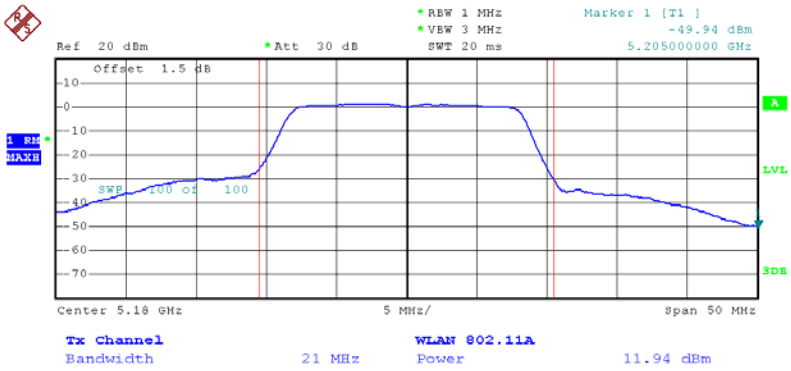
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	10.75	24	0.251
CH110	5550	10.36	24	0.251
CH134	5670	10.08	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Dipole Antenna with external cable		

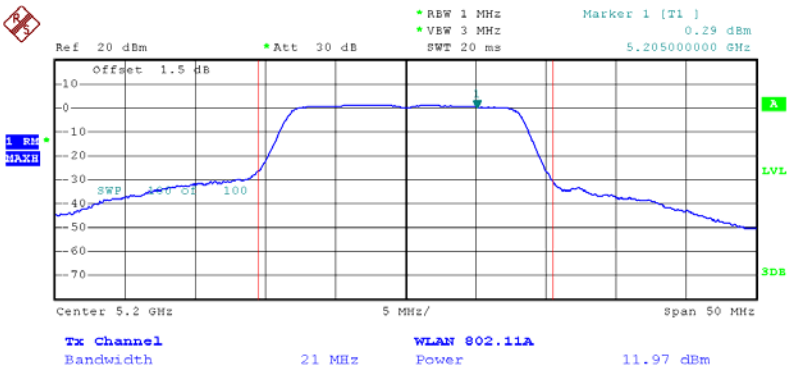
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	11.94	17.00	0.0501
CH40	5200	11.97	17.00	0.0501
CH48	5240	11.72	17.00	0.0501

CH36



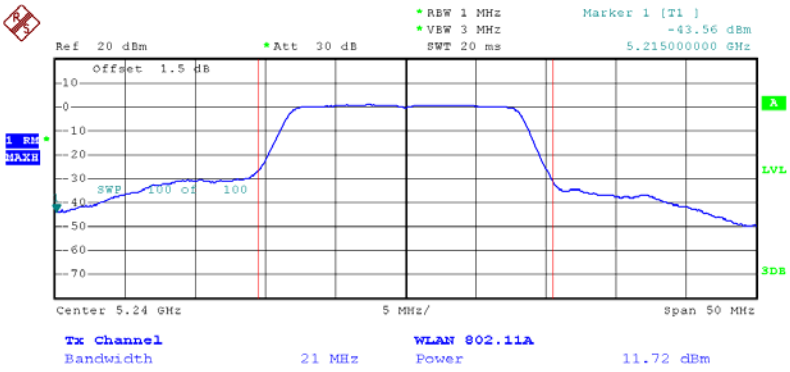
Date: 5.SEP.2013 16:52:53

CH40



Date: 5.SEP.2013 16:55:42

CH48

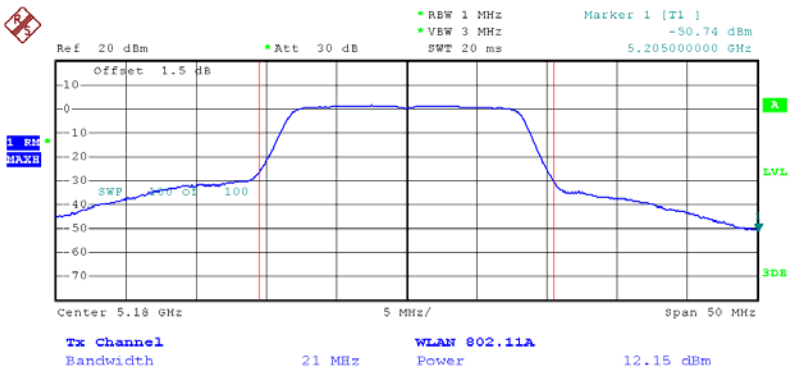


Date: 5.SEP.2013 16:57:57

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Dipole Antenna with external cable		

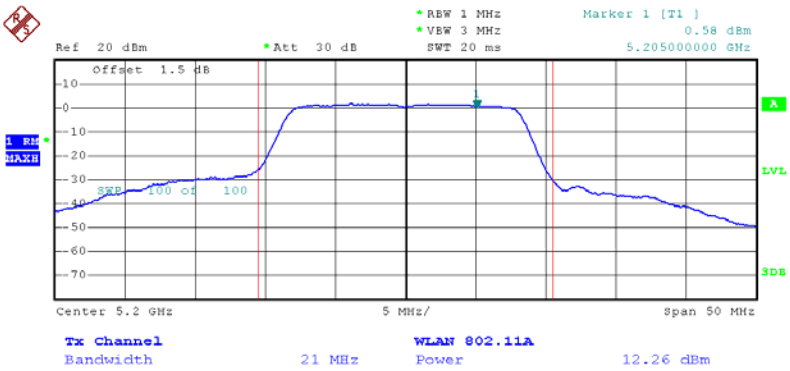
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	12.15	17.00	0.0501
CH40	5200	12.26	17.00	0.0501
CH48	5240	11.90	17.00	0.0501

CH36



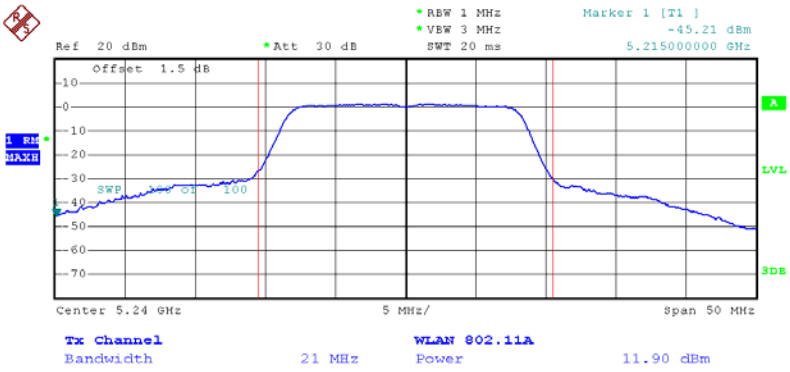
Date: 5.SEP.2013 16:53:48

CH40



Date: 5.SEP.2013 16:56:30

CH48



Date: 5.SEP.2013 16:58:53

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Dipole Antenna with external cable		

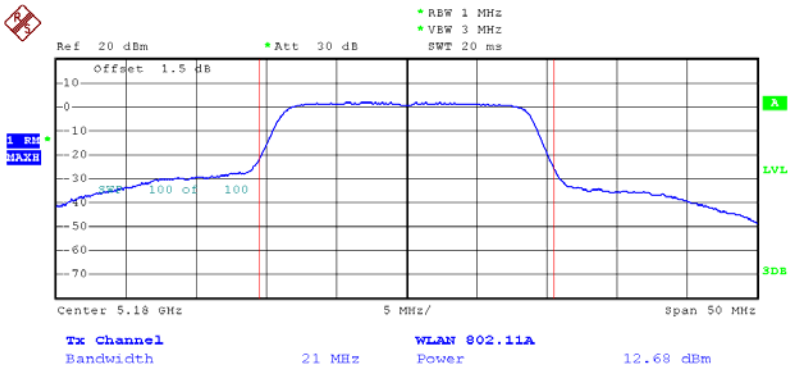
ANT 1+ ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	15.06	17.00	0.0501
CH40	5200	15.13	17.00	0.0501
CH48	5240	14.82	17.00	0.0501

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Dipole Antenna with external cable		

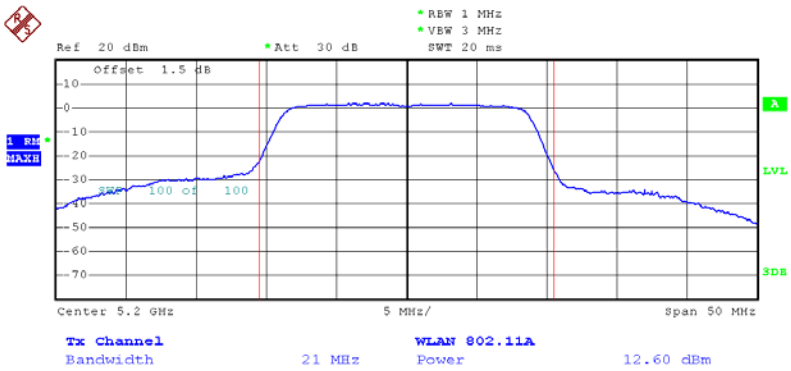
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	12.68	17.00	0.0501
CH40	5200	12.60	17.00	0.0501
CH48	5240	12.93	17.00	0.0501

CH36



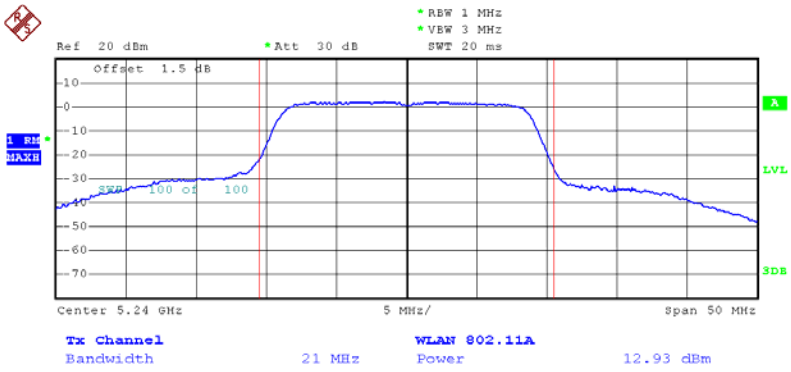
Date: 24.AUG.2013 17:00:52

CH40



Date: 24.AUG.2013 17:07:28

CH48

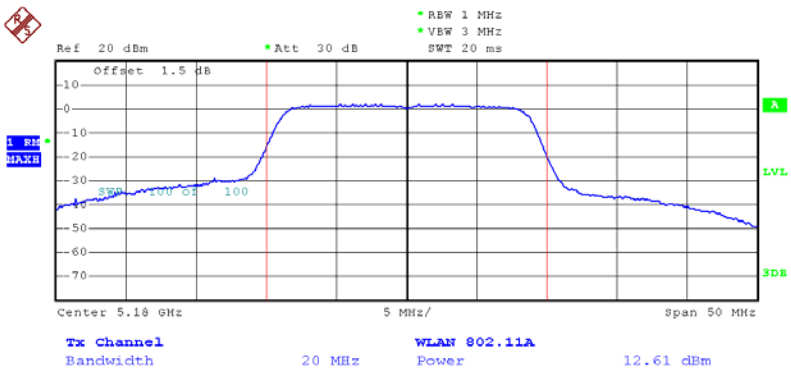


Date: 24.AUG.2013 17:09:31

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Dipole Antenna with external cable		

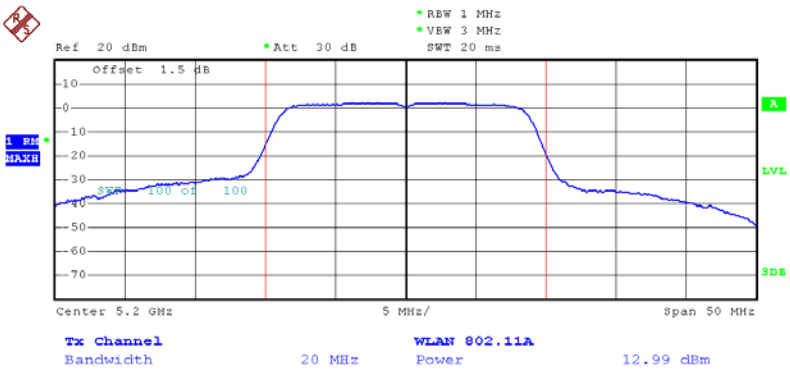
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	12.61	17.00	0.0501
CH40	5200	12.99	17.00	0.0501
CH48	5240	12.95	17.00	0.0501

CH36



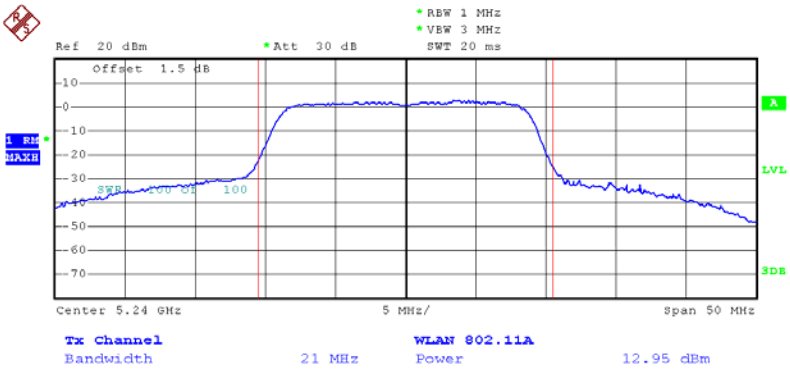
Date: 24.AUG.2013 17:03:36

CH40



Date: 24.AUG.2013 17:06:01

CH48



Date: 24.AUG.2013 17:10:44

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Dipole Antenna with external cable		

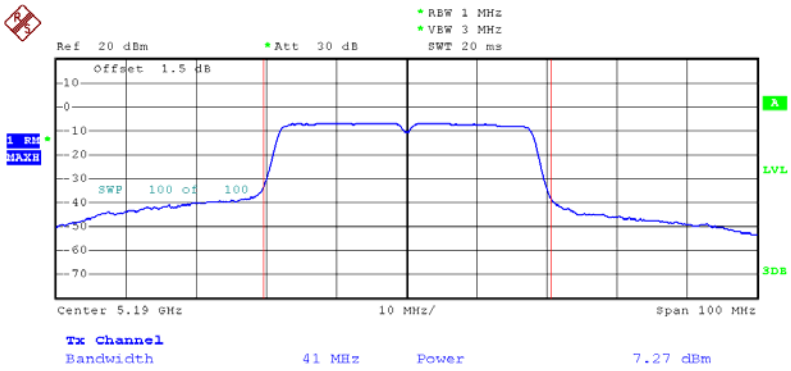
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH36	5180	15.66	17.00	0.0501
CH40	5200	15.81	17.00	0.0501
CH48	5240	15.95	17.00	0.0501

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH38, CH46/Dipole Antenna with external cable		

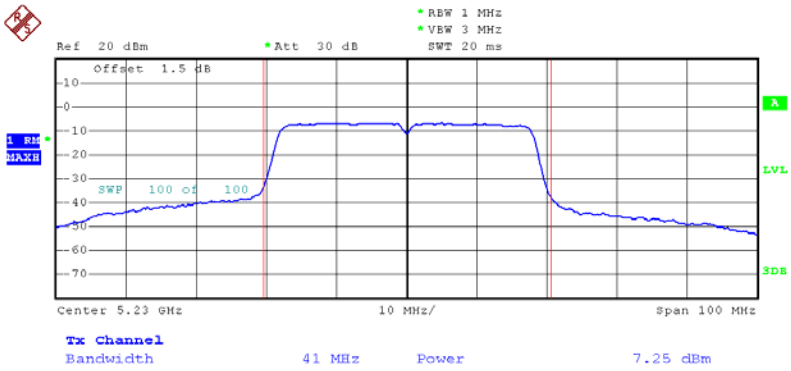
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	7.27	17.00	0.0501
CH46	5230	7.25	17.00	0.0501

CH38



Date: 24.AUG.2013 17:38:25

CH46

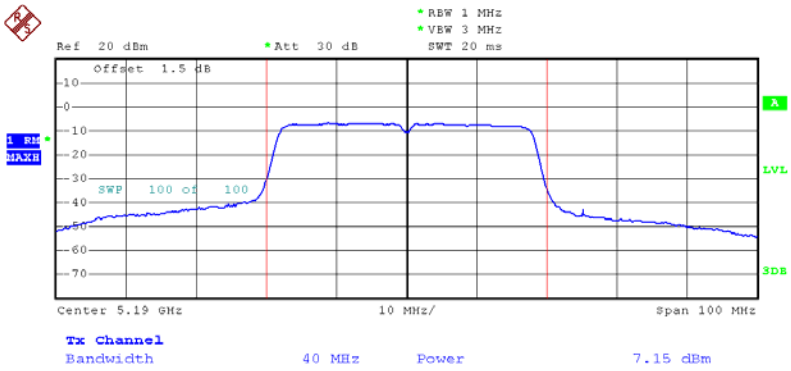


Date: 24.AUG.2013 17:47:43

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH38, CH46/Dipole Antenna with external cable		

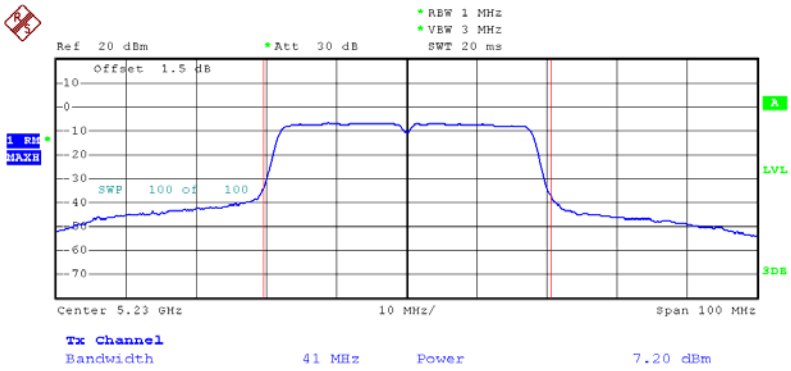
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	7.15	17.00	0.0501
CH46	5230	7.20	17.00	0.0501

CH38



Date: 24.AUG.2013 17:36:54

CH46



Date: 24.AUG.2013 17:48:40

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/CH38, CH46/Dipole Antenna with external cable		

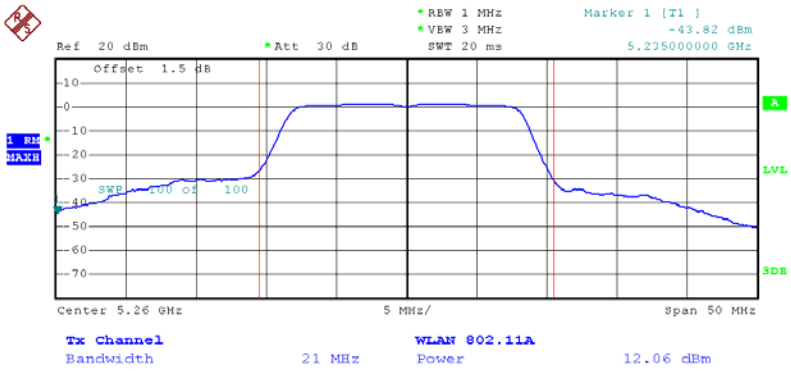
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH38	5190	10.22	17.00	0.0501
CH46	5230	10.24	17.00	0.0501

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64/Dipole Antenna with external cable		

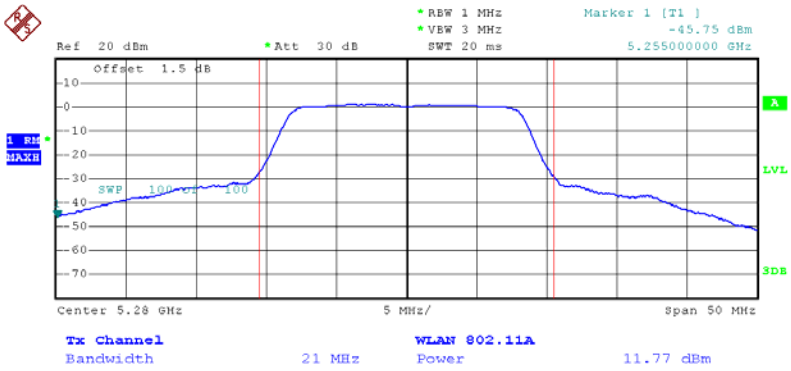
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	12.06	24	0.251
CH56	5280	11.77	24	0.251
CH64	5320	12.04	24	0.251

CH52



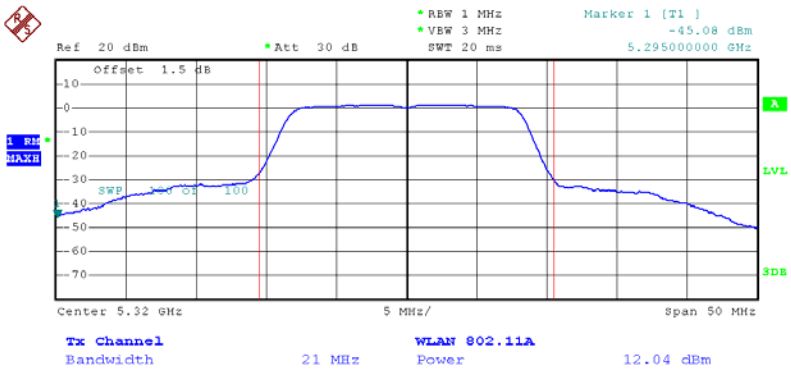
Date: 5.SEP.2013 17:01:21

CH56



Date: 5.SEP.2013 17:03:31

CH64

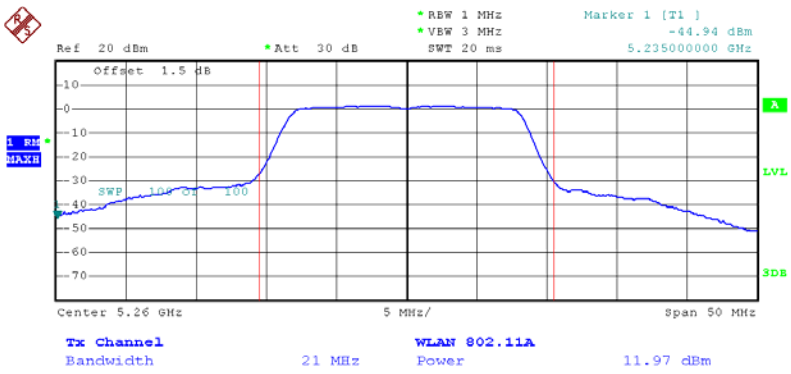


Date: 5.SEP.2013 17:06:39

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64/Dipole Antenna with external cable		

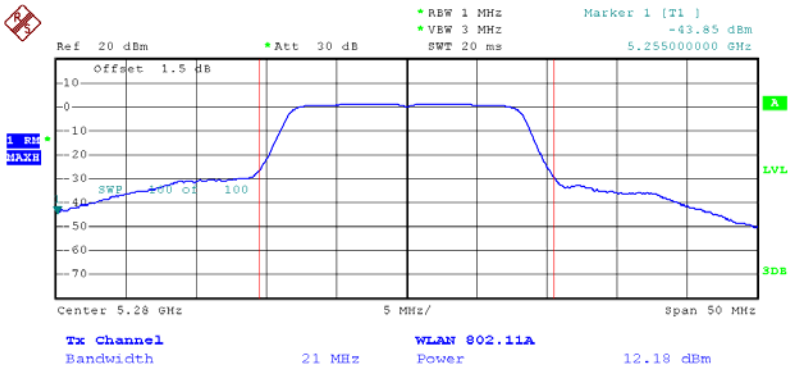
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	11.97	24	0.251
CH56	5280	12.18	24	0.251
CH64	5320	11.82	24	0.251

CH52



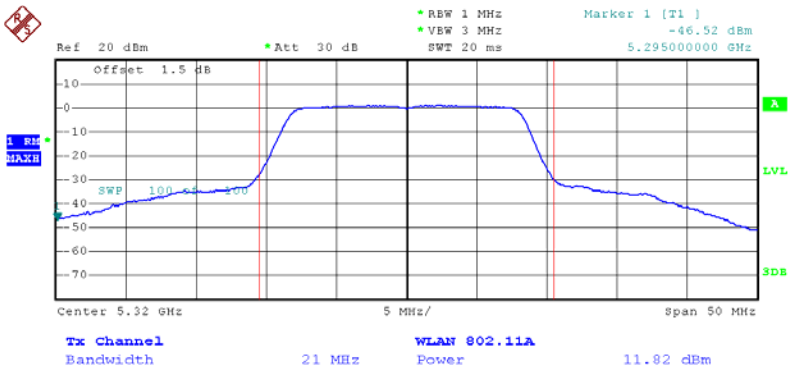
Date: 5.SEP.2013 17:00:55

CH56



Date: 5.SEP.2013 17:02:59

CH64



Date: 5.SEP.2013 17:06:11

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/CH52, CH56, CH64/Dipole Antenna with external cable		

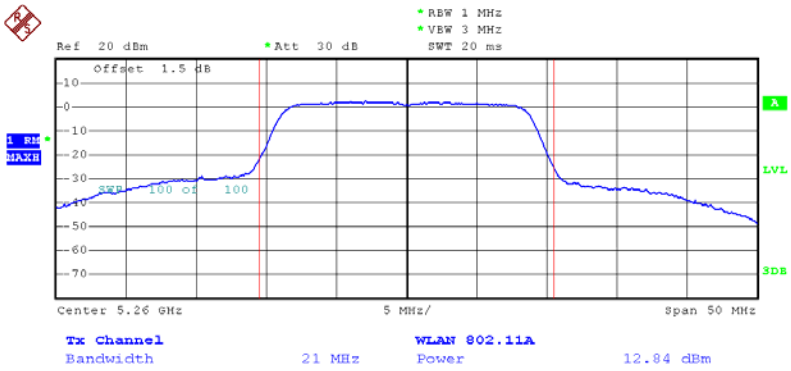
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	15.03	24	0.251
CH56	5280	14.99	24	0.251
CH64	5320	14.94	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64/Dipole Antenna with external cable		

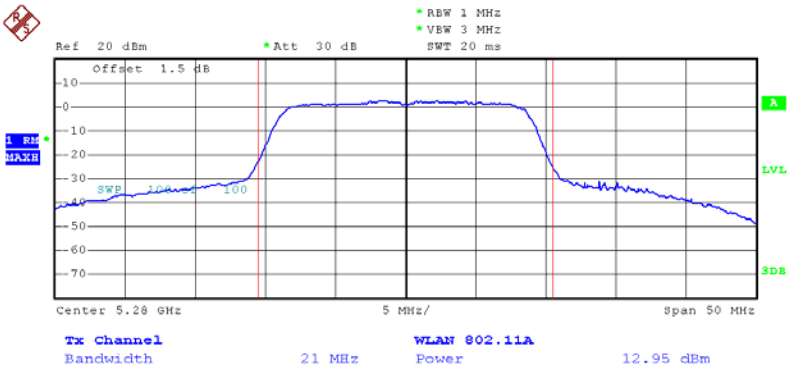
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	12.84	24	0.251
CH56	5280	12.95	24	0.251
CH64	5320	12.99	24	0.251

CH52



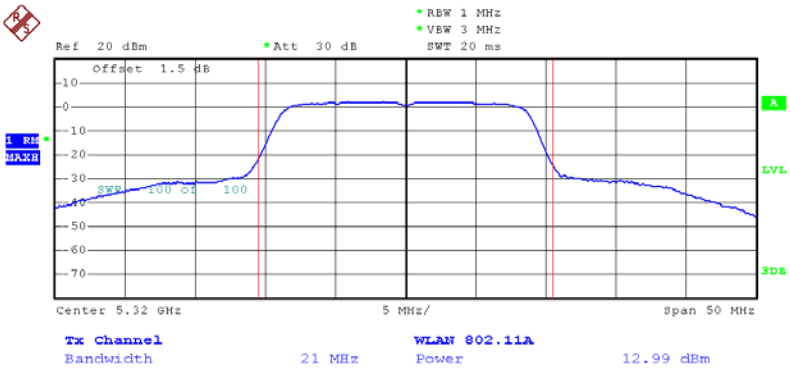
Date: 24.AUG.2013 17:13:45

CH56



Date: 24.AUG.2013 17:18:01

CH64

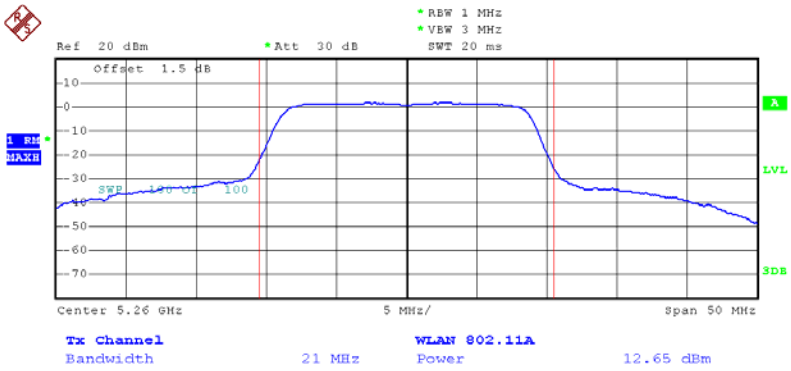


Date: 24.AUG.2013 17:21:33

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64/Dipole Antenna with external cable		

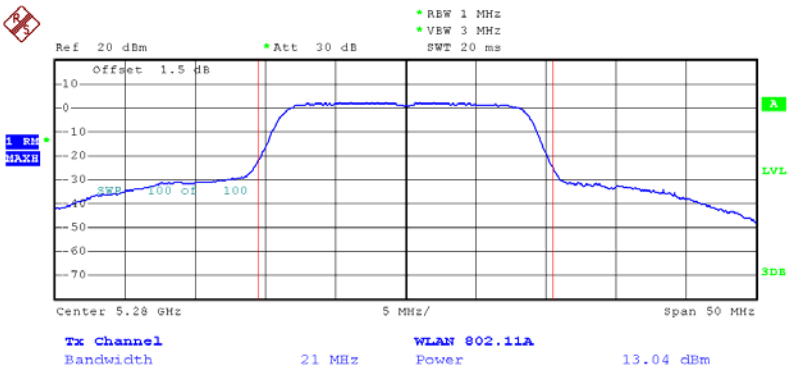
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	12.65	24	0.251
CH56	5280	13.04	24	0.251
CH64	5320	12.99	24	0.251

CH52



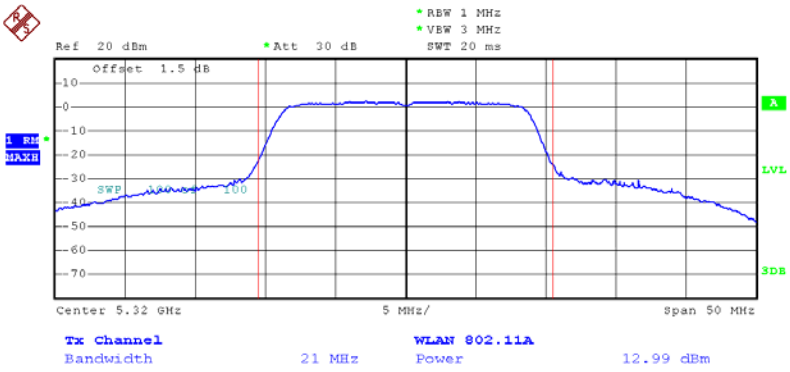
Date: 24.AUG.2013 17:12:38

CH56



Date: 24.AUG.2013 17:17:06

CH64



Date: 24.AUG.2013 17:20:30

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/CH52, CH56, CH64/Dipole Antenna with external cable		

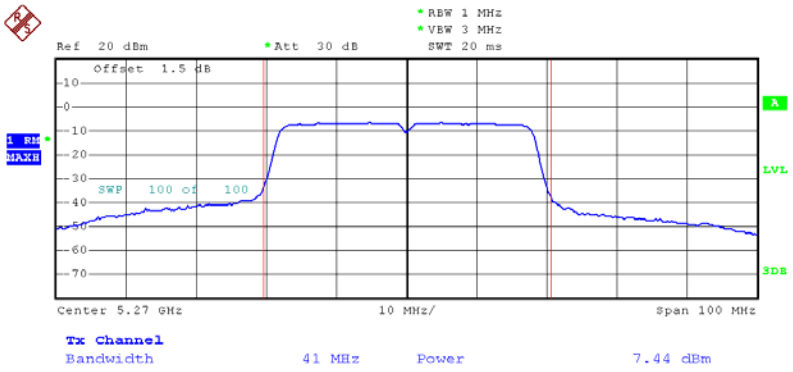
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH52	5260	15.76	24	0.251
CH56	5280	16.01	24	0.251
CH64	5320	16.00	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62/Dipole Antenna with external cable		

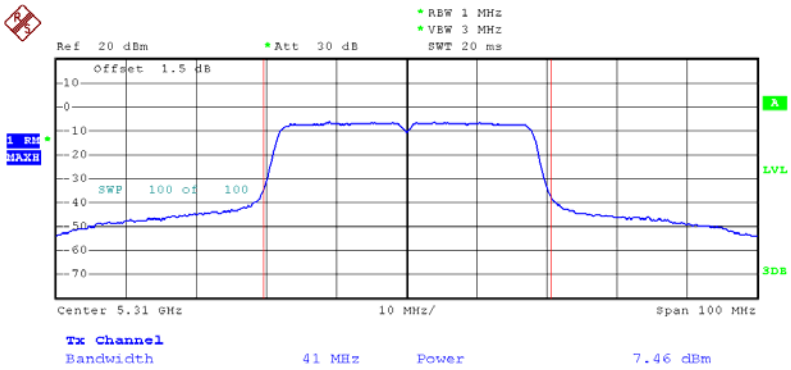
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	7.44	24	0.251
CH62	5310	7.46	24	0.251

CH54



Date: 24.AUG.2013 17:51:14

CH62

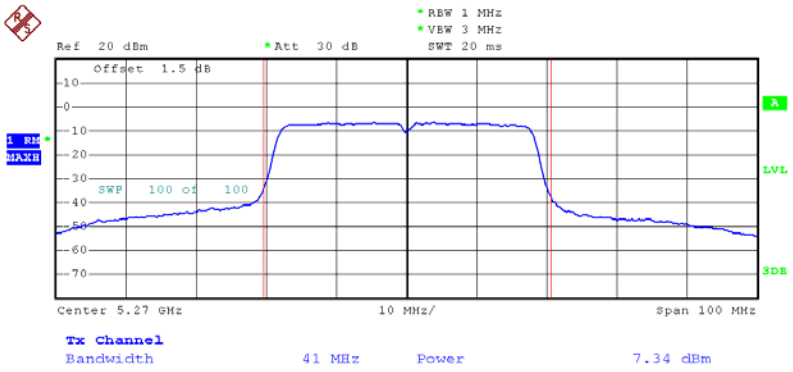


Date: 24.AUG.2013 17:53:49

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62/Dipole Antenna with external cable		

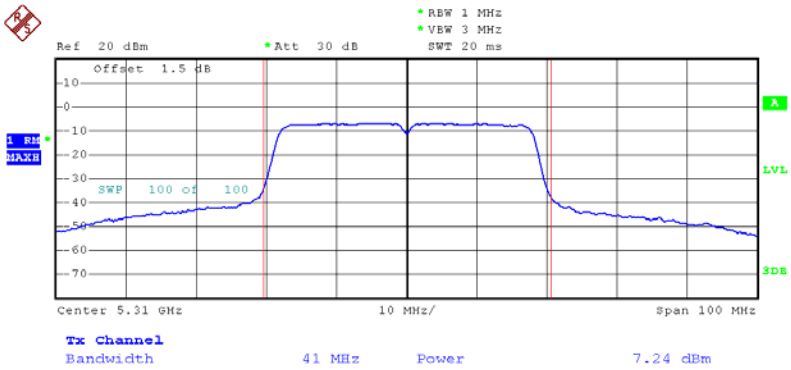
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	7.34	24	0.251
CH62	5310	7.24	24	0.251

CH54



Date: 24.AUG.2013 17:50:16

CH62



Date: 24.AUG.2013 17:52:55

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/CH54, CH62/Dipole Antenna with external cable		

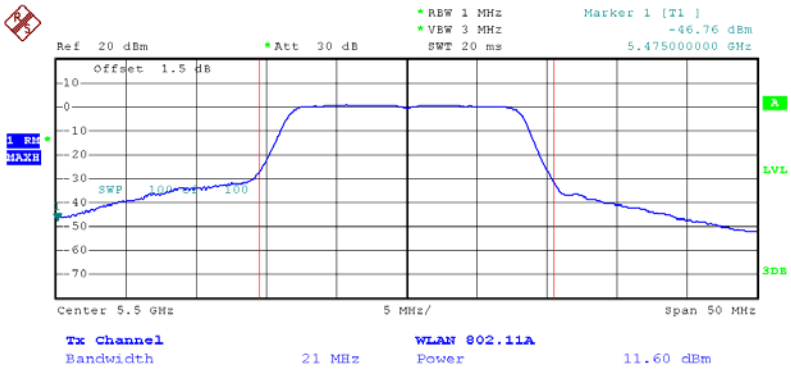
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	10.40	24	0.251
CH62	5310	10.36	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140/Dipole Antenna with external cable		

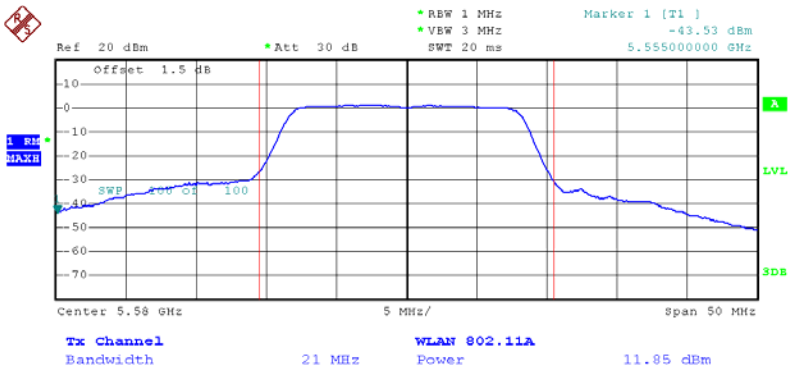
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	11.60	24	0.251
CH116	5580	11.85	24	0.251
CH140	5700	12.09	24	0.251

CH100



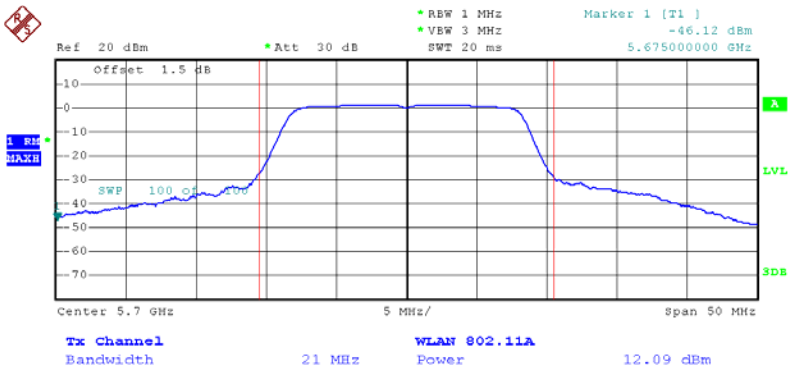
Date: 5.SEP.2013 17:09:53

CH116



Date: 5.SEP.2013 17:12:54

CH140

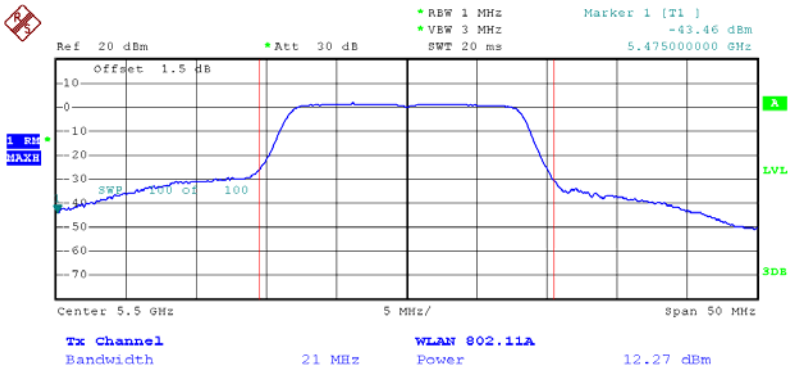


Date: 5.SEP.2013 17:15:29

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140/Dipole Antenna with external cable		

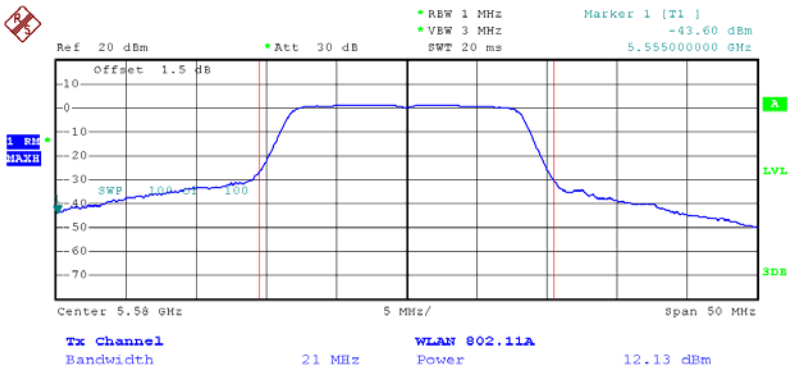
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.27	24	0.251
CH116	5580	12.13	24	0.251
CH140	5700	12.12	24	0.251

CH100



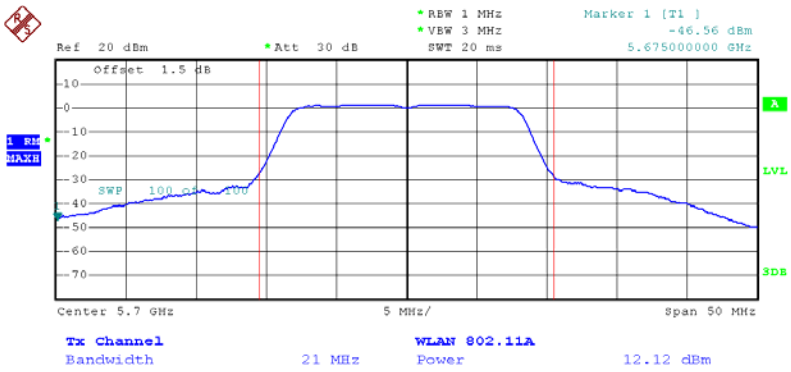
Date: 5.SEP.2013 17:08:39

CH116



Date: 5.SEP.2013 17:12:06

CH140



Date: 5.SEP.2013 17:15:00

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/CH100, CH116, CH140/Dipole Antenna with external cable		

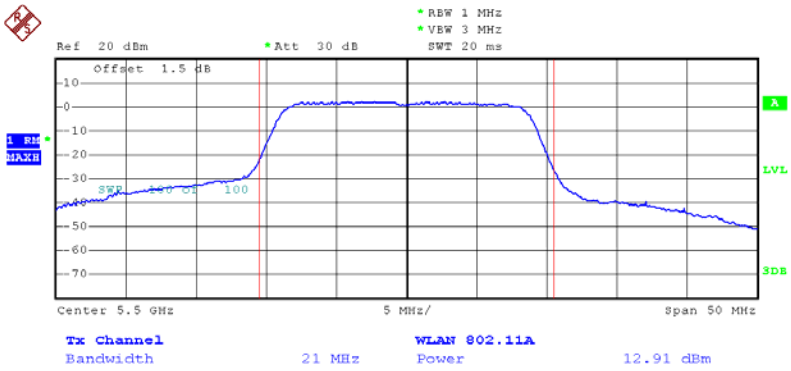
ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	14.96	24	0.251
CH116	5580	15.00	24	0.251
CH140	5700	15.12	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140/Dipole Antenna with external cable		

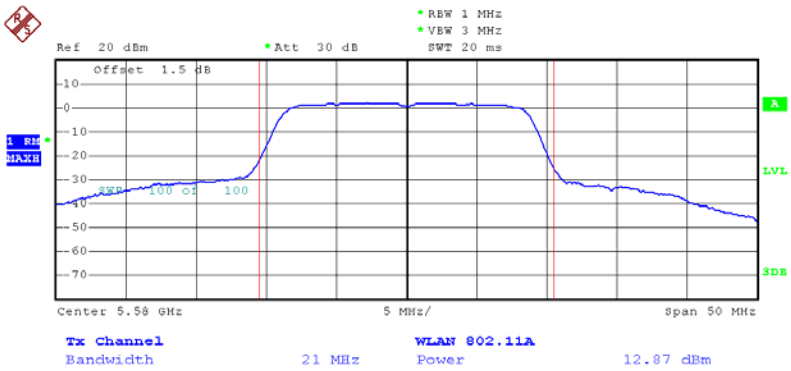
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.91	24	0.251
CH116	5580	12.87	24	0.251
CH140	5700	12.94	24	0.251

CH100



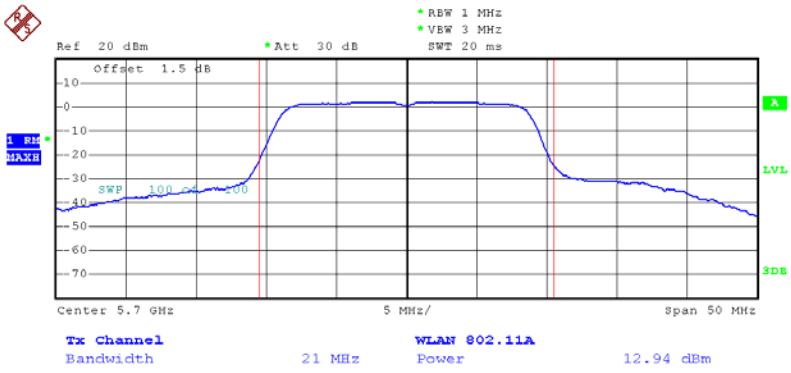
Date: 24.AUG.2013 17:25:18

CH116



Date: 24.AUG.2013 17:28:42

CH140

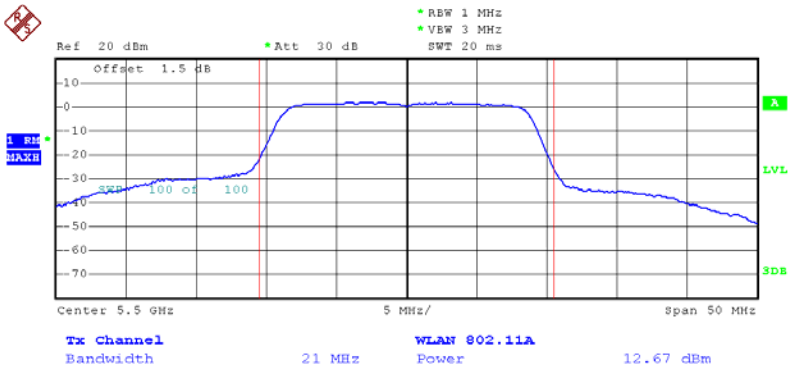


Date: 24.AUG.2013 17:31:35

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140/Dipole Antenna with external cable		

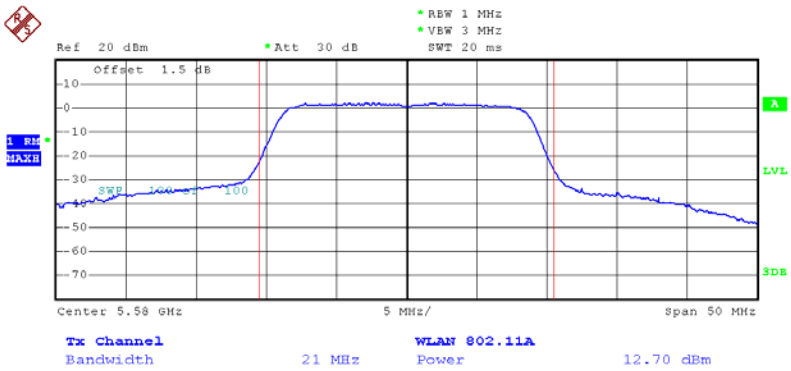
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	12.67	24	0.251
CH116	5580	12.70	24	0.251
CH140	5700	13.02	24	0.251

CH100



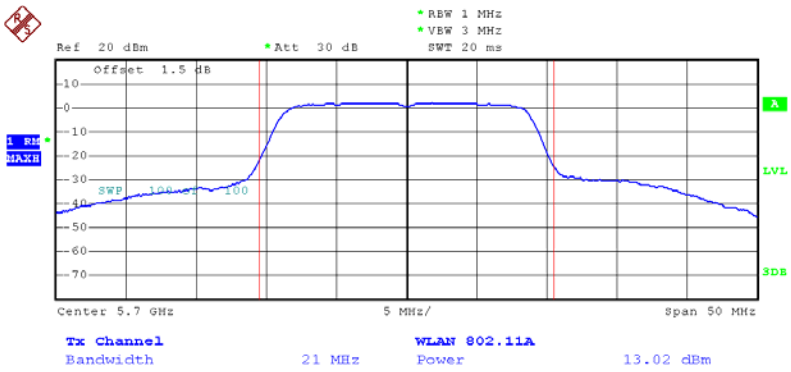
Date: 24.AUG.2013 17:23:23

CH116



Date: 24.AUG.2013 17:27:17

CH140



Date: 24.AUG.2013 17:30:32

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/CH100, CH116, CH140/Dipole Antenna with external cable		

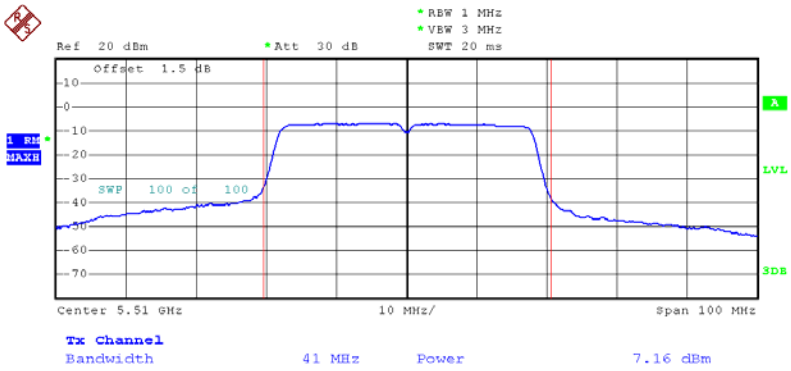
ANT 1+ ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	15.80	24	0.251
CH116	5580	15.80	24	0.251
CH140	5700	15.99	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110, CH134/Dipole Antenna with external cable		

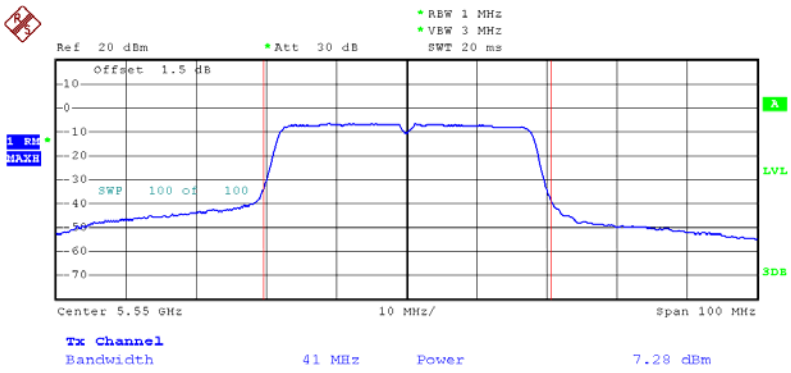
ANT 1				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	7.16	24	0.251
CH110	5550	7.28	24	0.251
CH134	5670	7.10	24	0.251

CH102



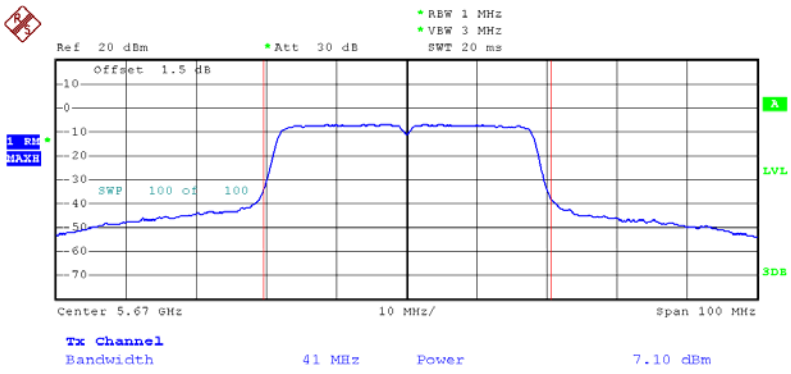
Date: 24.AUG.2013 17:56:19

CH110



Date: 24.AUG.2013 17:59:32

CH134

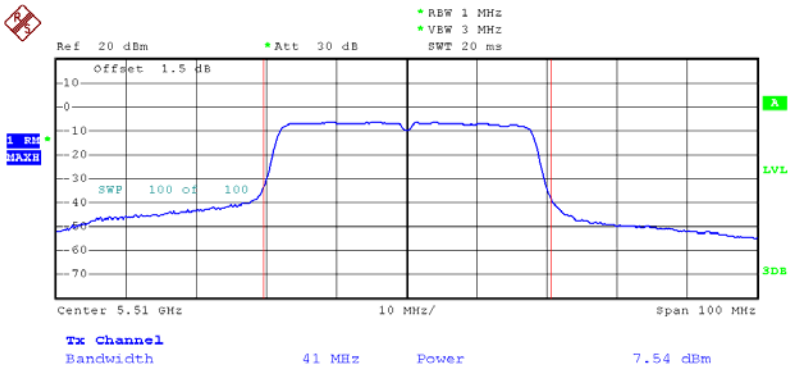


Date: 24.AUG.2013 18:02:22

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110, CH134/Dipole Antenna with external cable		

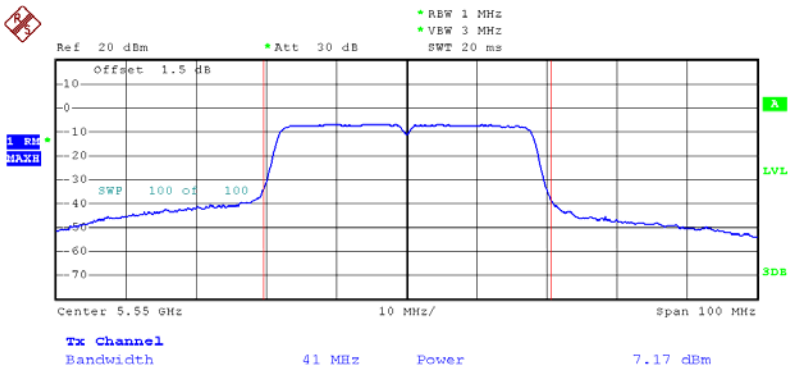
ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	7.54	24	0.251
CH110	5550	7.17	24	0.251
CH134	5670	7.27	24	0.251

CH102



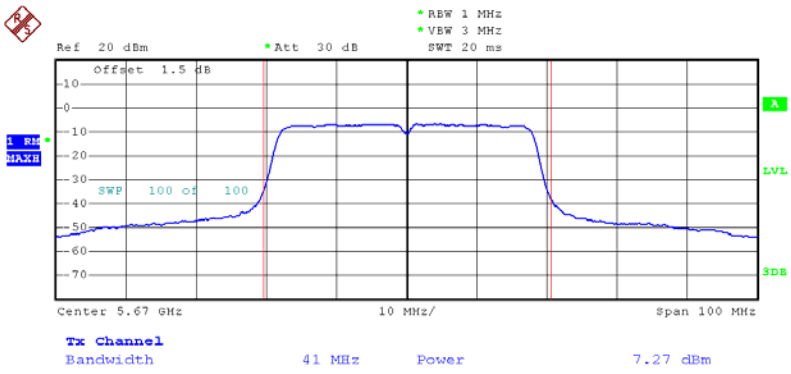
Date: 24.AUG.2013 17:55:24

CH110



Date: 24.AUG.2013 17:58:30

CH134



Date: 24.AUG.2013 18:01:11

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/CH102, CH110, CH134/Dipole Antenna with external cable		

ANT 1+ANT 2				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	10.36	24	0.251
CH110	5550	10.24	24	0.251
CH134	5670	10.20	24	0.251

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27 dBm/1MHz	5150 – 5250 5250 – 5350 5470 – 5725	PASS

7.1.1 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP_40	100129	Nov.26.2013

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 Parameter	Setting
Attenuation	Auto
RB	1000 kHz
VB	1000 kHz
Trace	Max Hold
Sweep Time	Auto

7.1.3 DEVIATION FROM STANDARD

No deviation.

7.1.4 TEST SETUP

7.1.5 EUT OPERATION CONDITIONS

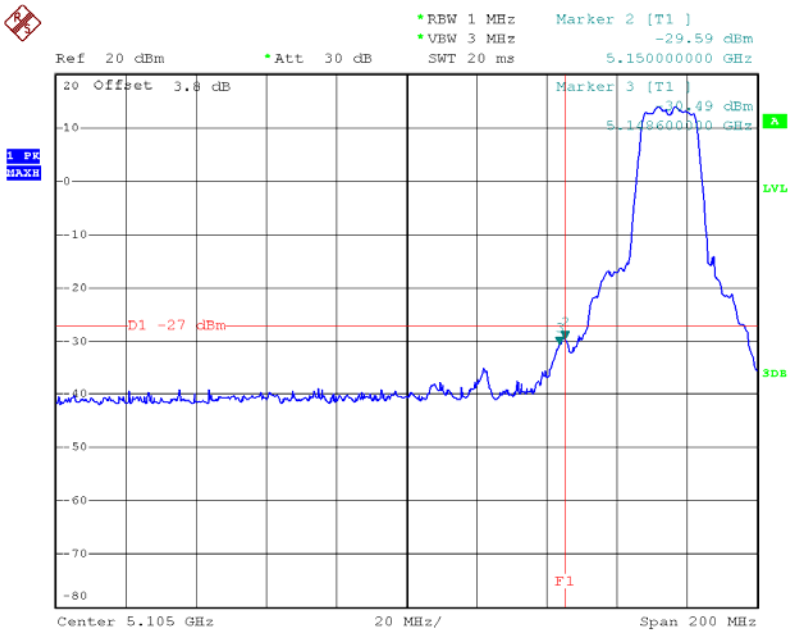
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.6 TEST RESULTS

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48/ANT 1/Integral Antenna		

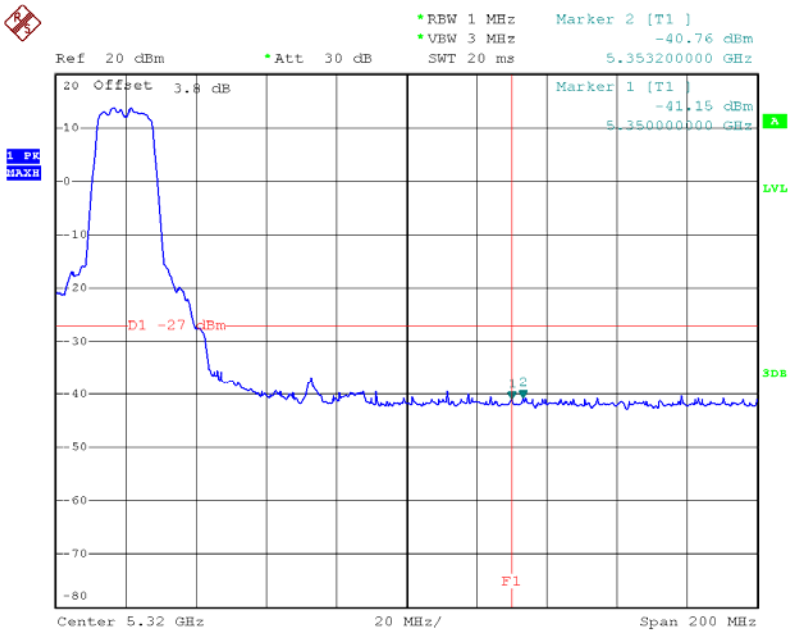
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-29.59	5353.20	-40.76
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



Date: 6.SEP.2013 11:00:39

TX mode CH48

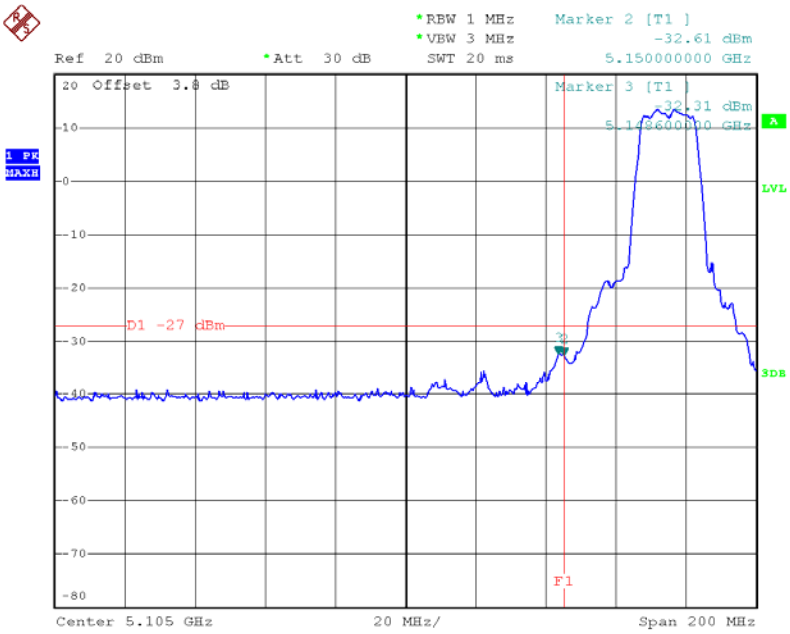


Date: 6.SEP.2013 11:14:25

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48/ANT 2/Integral Antenna		

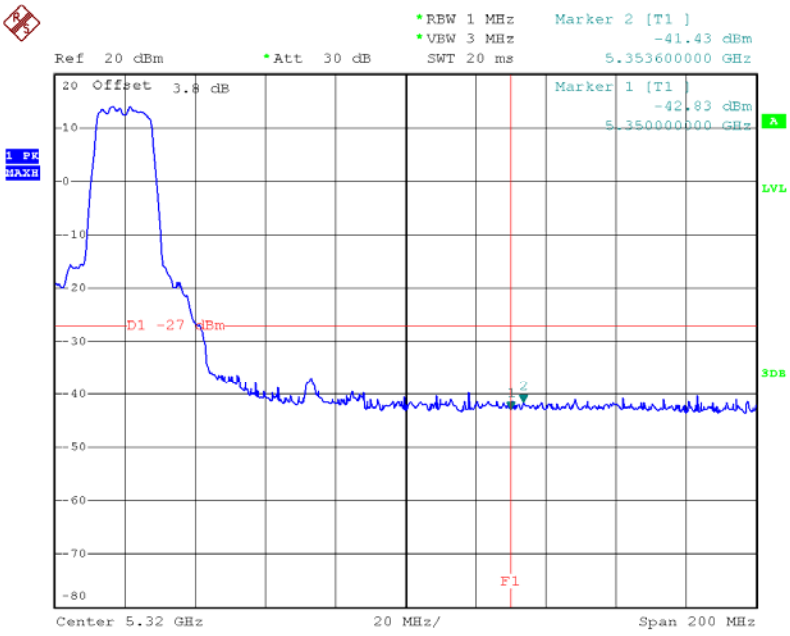
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5148.60	-32.31	5350.00	-41.43
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



Date: 6.SEP.2013 10:59:39

TX mode CH48

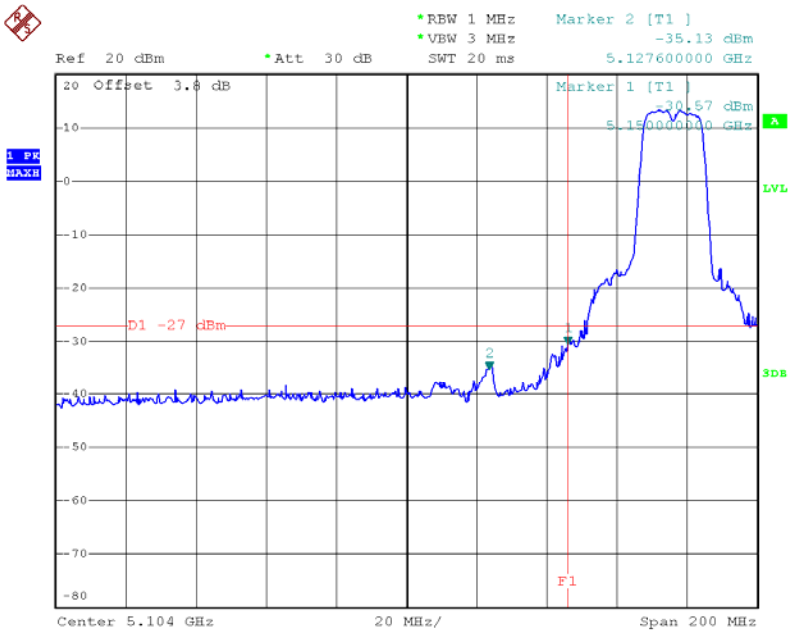


Date: 6.SEP.2013 11:14:49

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ CH36, CH40 , CH48/ANT 1/Integral Antenna		

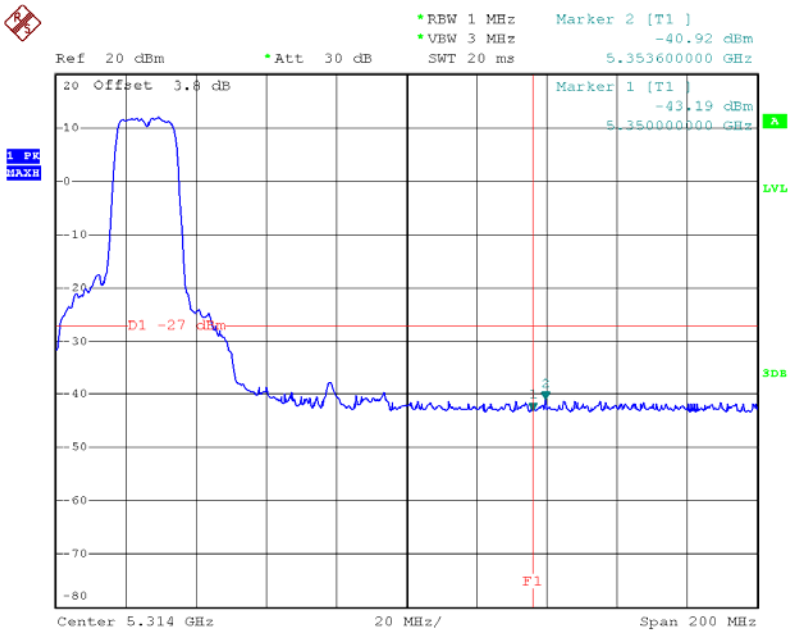
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-30.57	5353.60	-40.92
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



Date: 28.AUG.2013 21:20:35

TX mode CH48

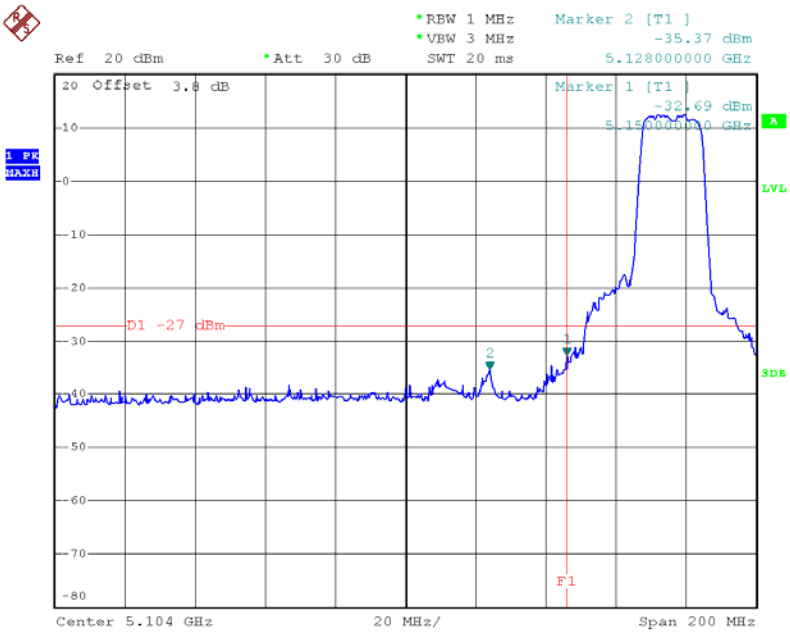


Date: 28.AUG.2013 21:18:48

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ CH36, CH40 , CH48/ANT 2/Integral Antenna		

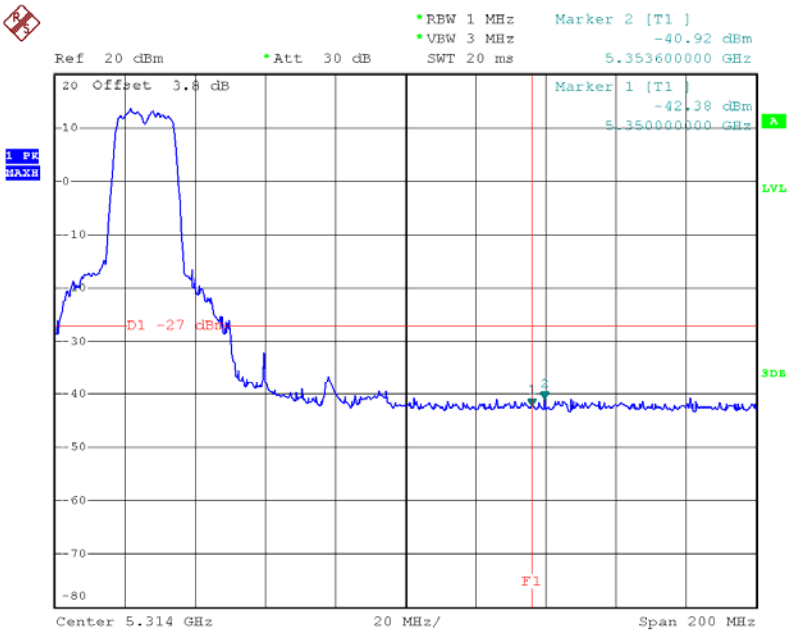
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-32.69	5353.60	-40.92
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



Date: 28.AUG.2013 21:20:58

TX mode CH48

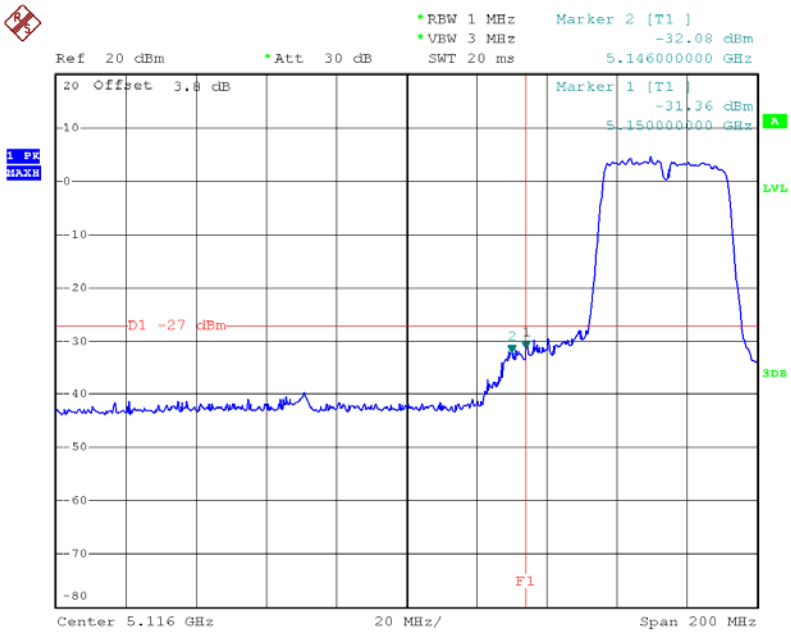


Date: 28.AUG.2013 21:19:05

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/ CH38, CH46/ANT 1/Integral Antenna		

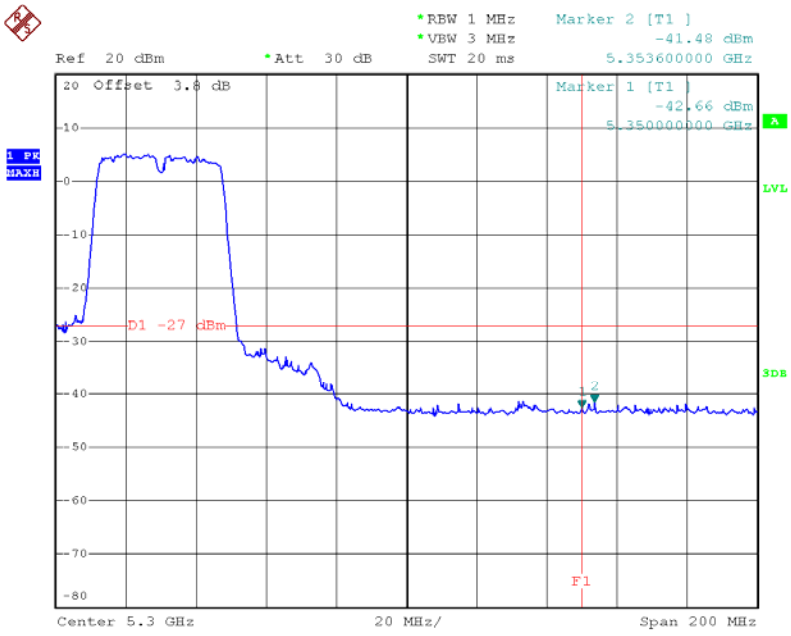
Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-31.36	5353.60	-41.48
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH38



Date: 28.AUG.2013 21:25:41

TX mode CH46

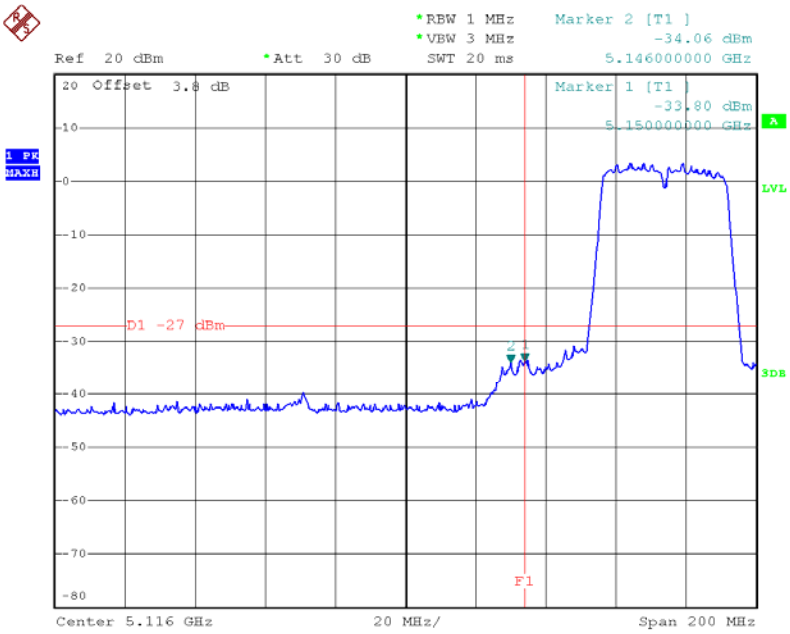


Date: 28.AUG.2013 21:32:21

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/ CH38, CH46/ANT 2/Integral Antenna		

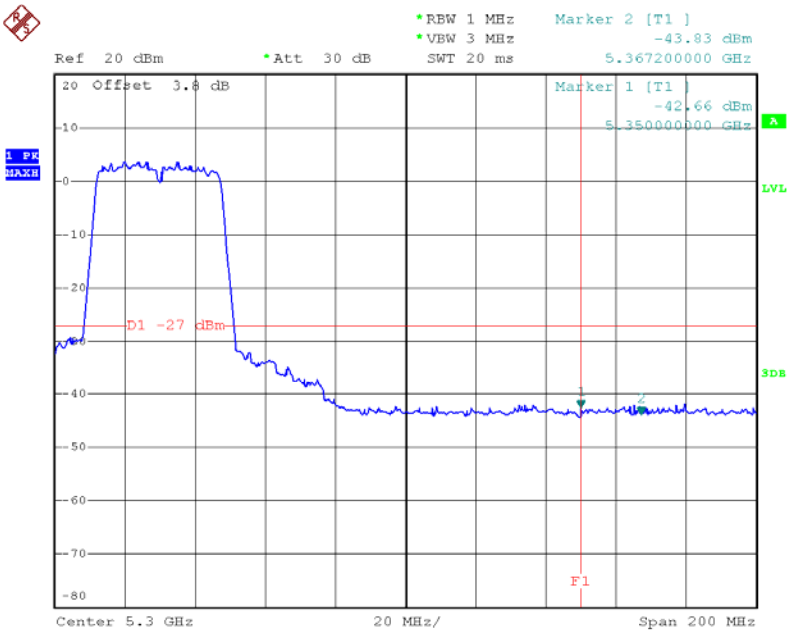
Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-33.80	5350.00	-42.66
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH38



Date: 28.AUG.2013 21:25:29

TX mode CH46

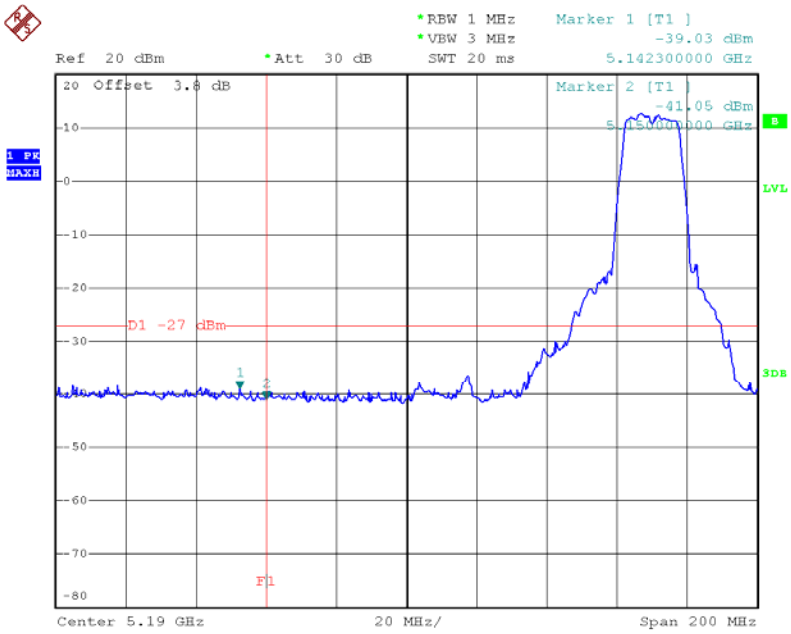


Date: 28.AUG.2013 21:32:03

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/ CH52, CH56 , CH60/ANT 1/Integral Antenna		

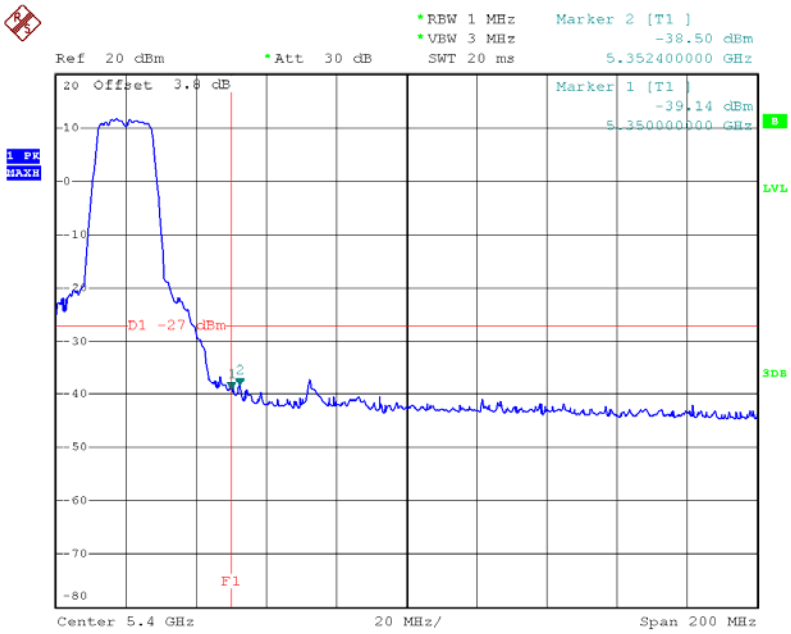
Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5142.30	-39.03	5352.40	-38.50
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH52



Date: 7.SEP.2013 14:11:19

TX mode CH64

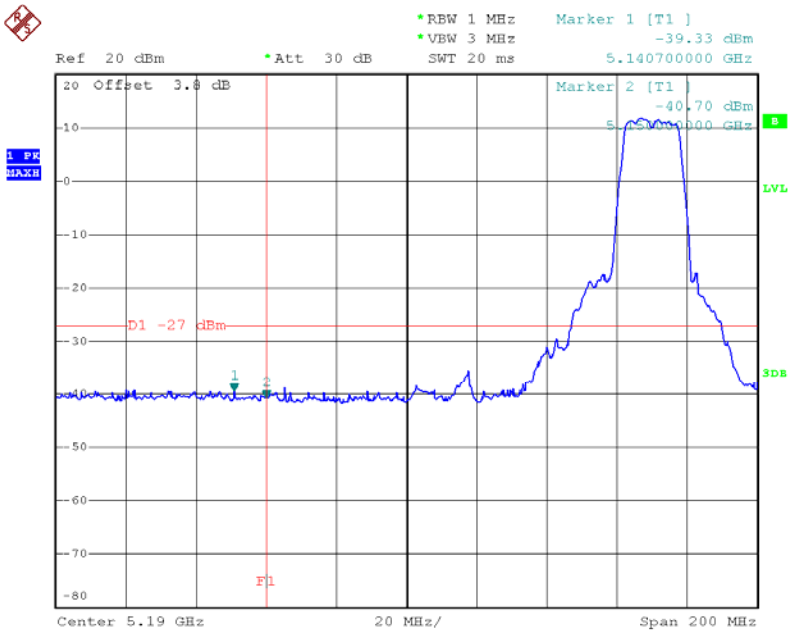


Date: 7.SEP.2013 14:22:28

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/ CH52, CH56 , CH60/ANT 2/Integral Antenna		

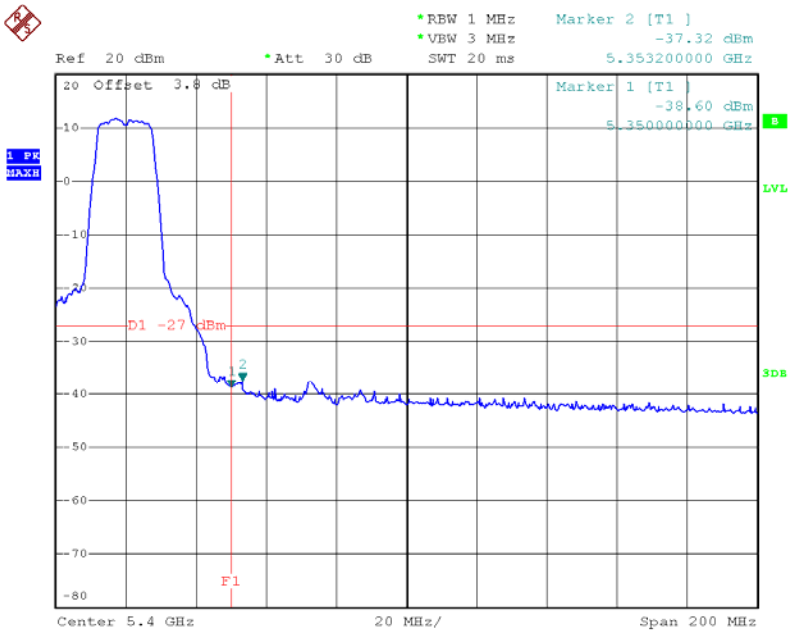
Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5140.70	-39.33	5353.20	-37.32
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH52



Date: 7.SEP.2013 14:10:55

TX mode CH64

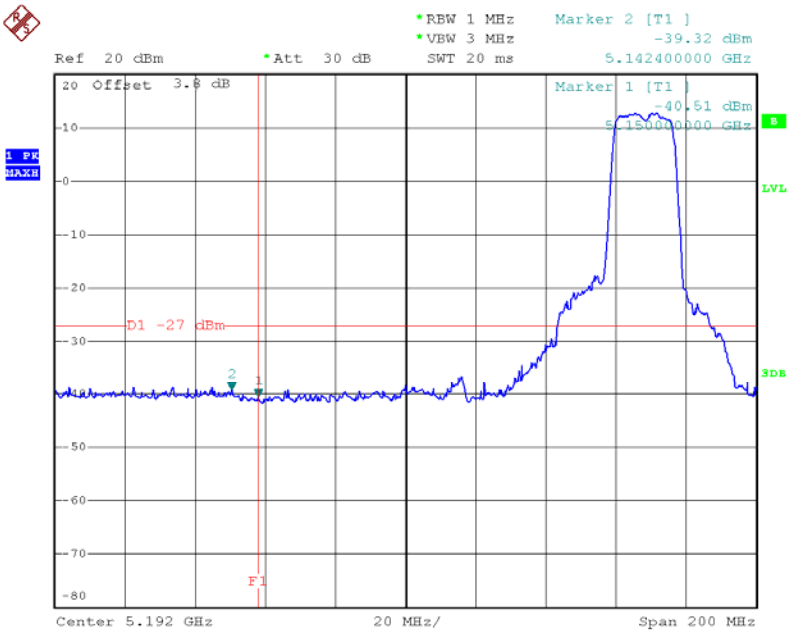


Date: 7.SEP.2013 14:22:16

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/ CH52, CH56 , CH64/ANT 1//Integral Antenna		

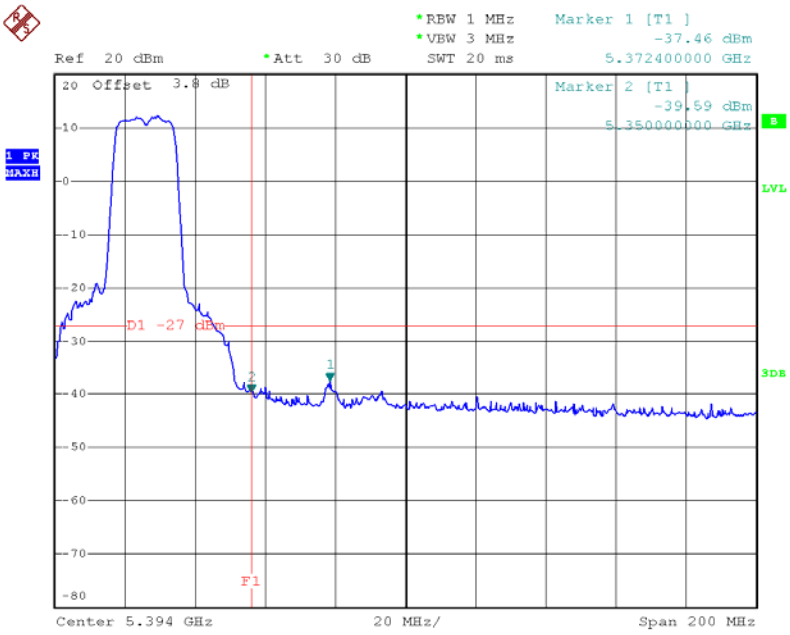
Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5142.40	-39.32	5372.40	-37.46
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH52



Date: 7.SEP.2013 14:57:38

TX mode CH64

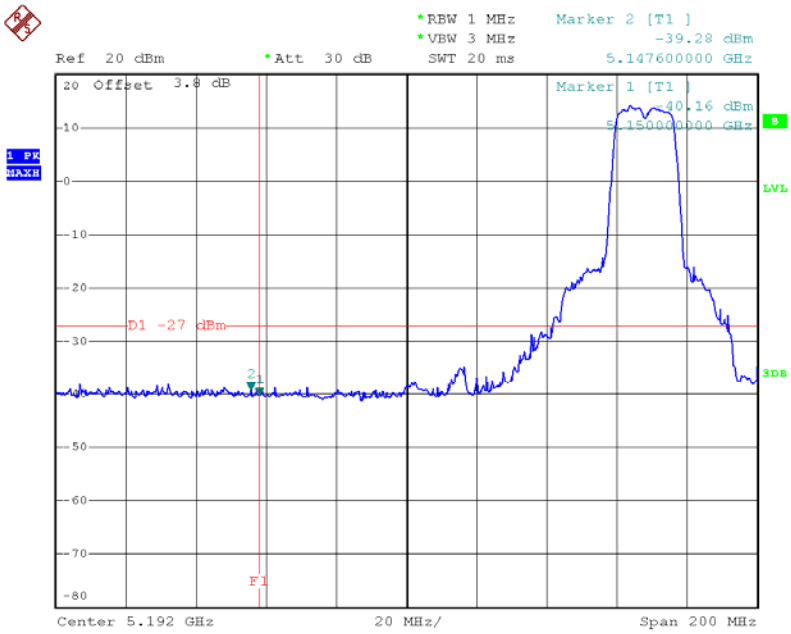


Date: 7.SEP.2013 15:06:34

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/ CH52, CH56 , CH64/ANT 2/Integral Antenna		

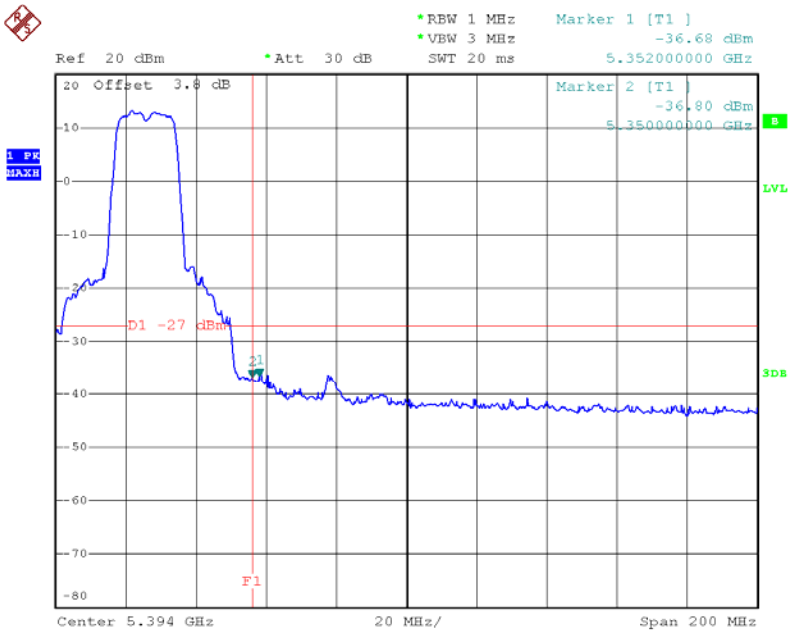
Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5147.60	-39.28	5352.00	-36.68
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH52



Date: 7.SEP.2013 14:57:11

TX mode CH64

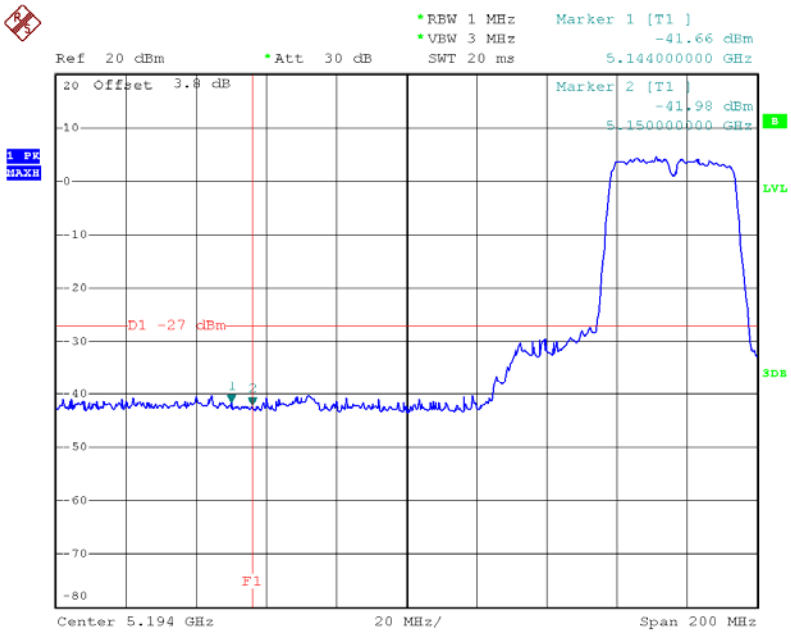


Date: 7.SEP.2013 15:06:10

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/ CH54, CH62/ANT 1/Integral Antenna		

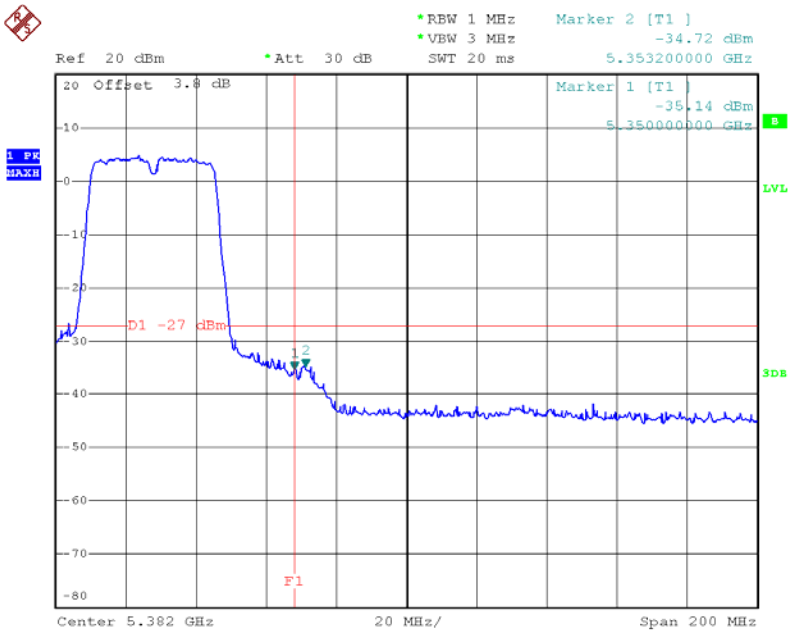
Channel of Worst Data: CH54			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5144.00	-41.66	5353.20	-34.72
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH54



Date: 7.SEP.2013 15:26:31

TX mode CH62

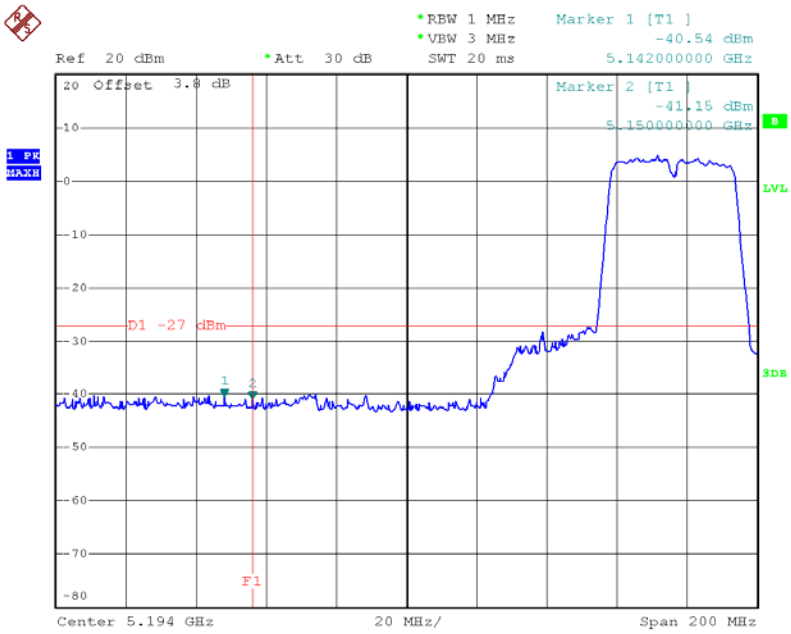


Date: 7.SEP.2013 15:34:13

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/ CH54, CH62/ANT 2/Integral Antenna		

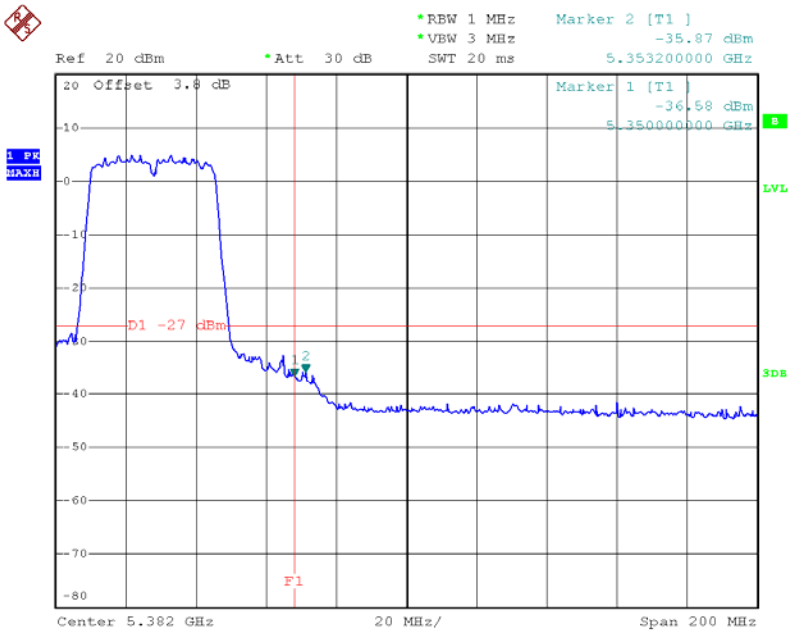
Channel of Worst Data: CH54			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5142.00	-40.54	5353.20	-35.87
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH54



Date: 7.SEP.2013 15:26:21

TX mode CH62

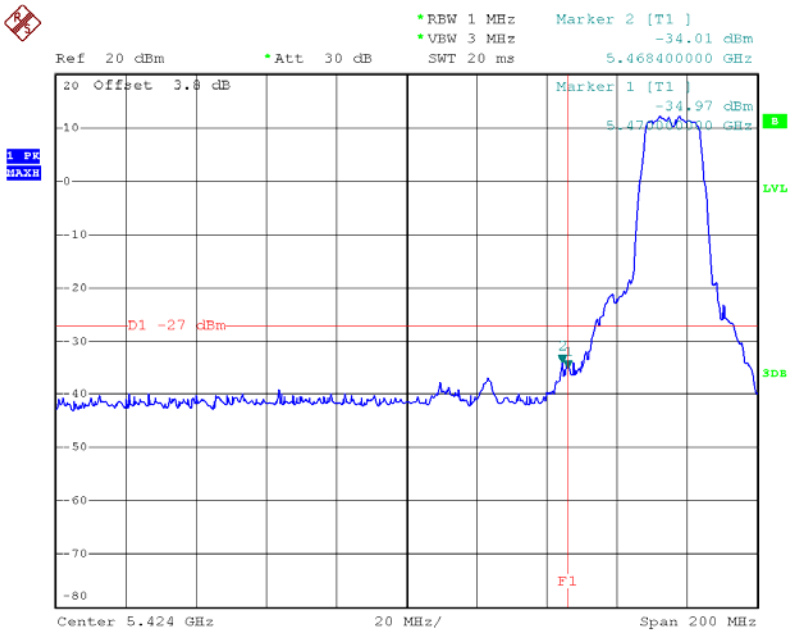


Date: 7.SEP.2013 15:33:52

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/ CH100, CH116,CH140/ANT 1/Integral Antenna		

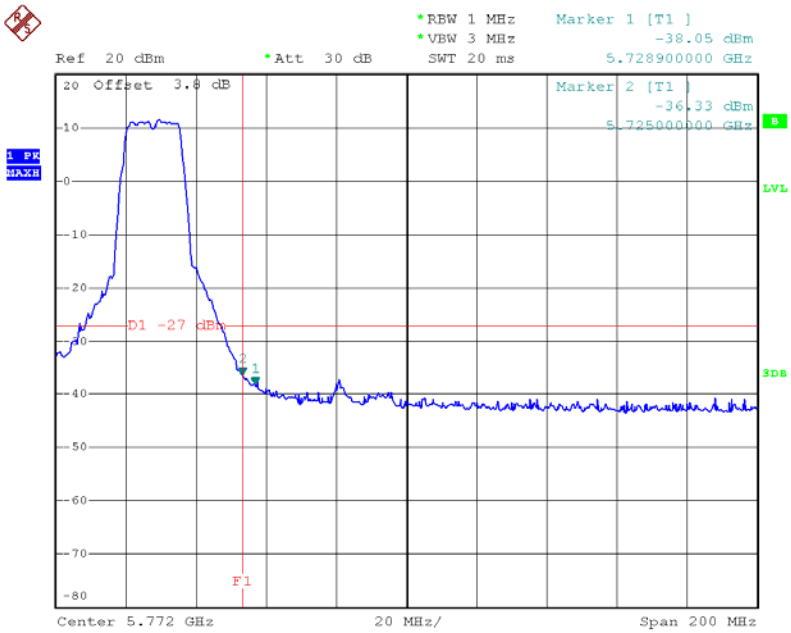
Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5468.40	-34.01	5725.00	-36.33
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH100



Date: 7.SEP.2013 14:29:30

TX mode CH140

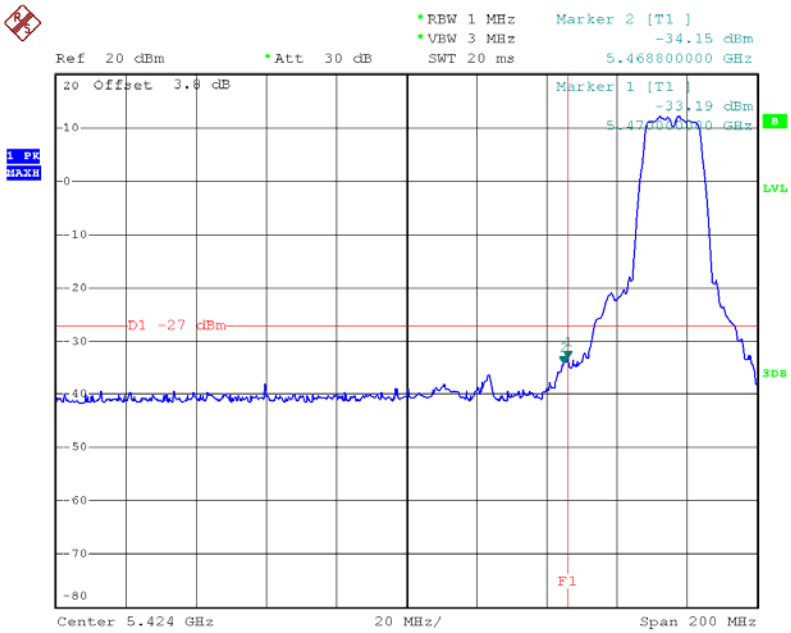


Date: 7.SEP.2013 14:38:34

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/ CH100, CH116,CH140/ANT 2/Integral Antenna		

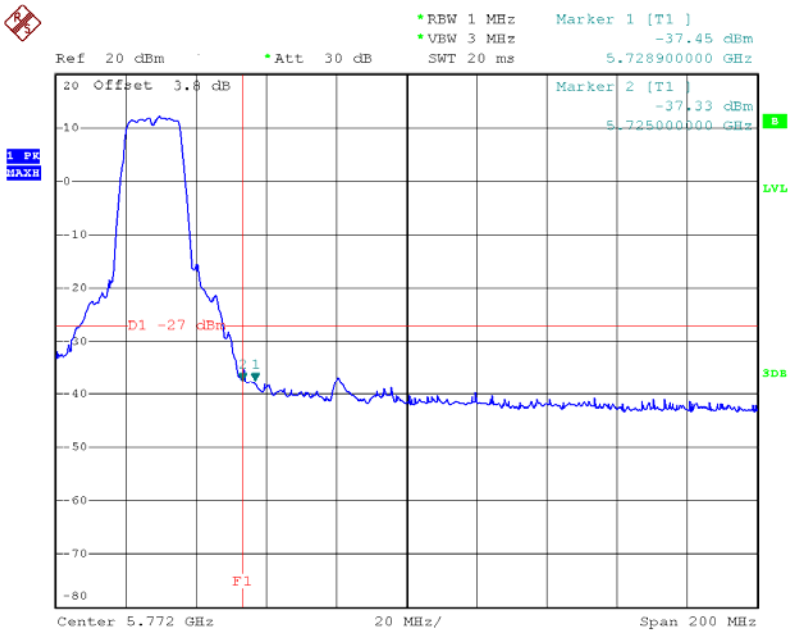
Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-33.19	5725.00	-37.33
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH100



Date: 7.SEP.2013 14:29:21

TX mode CH140

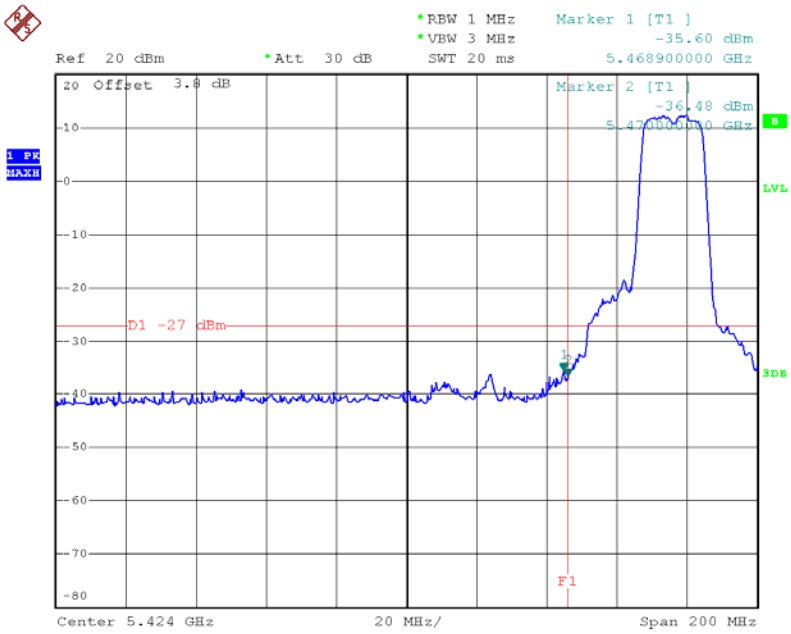


Date: 7.SEP.2013 14:38:11

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/ CH100, CH116,CH140/ANT 1/Integral Antenna		

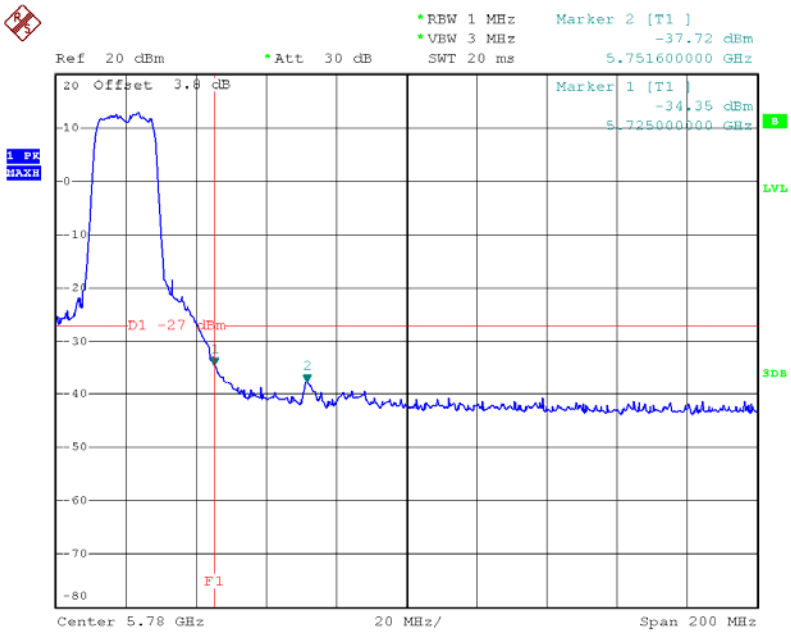
Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5468.90	-35.60	5725.00	-34.35
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH100



Date: 7.SEP.2013 15:12:40

TX mode CH140

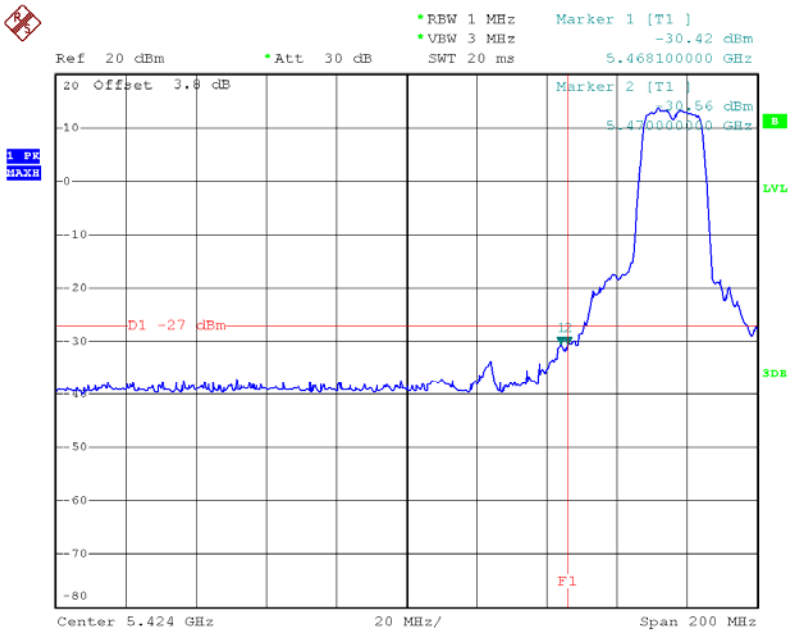


Date: 7.SEP.2013 15:20:10

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/ CH100, CH116,CH140/ANT 2/Integral Antenna		

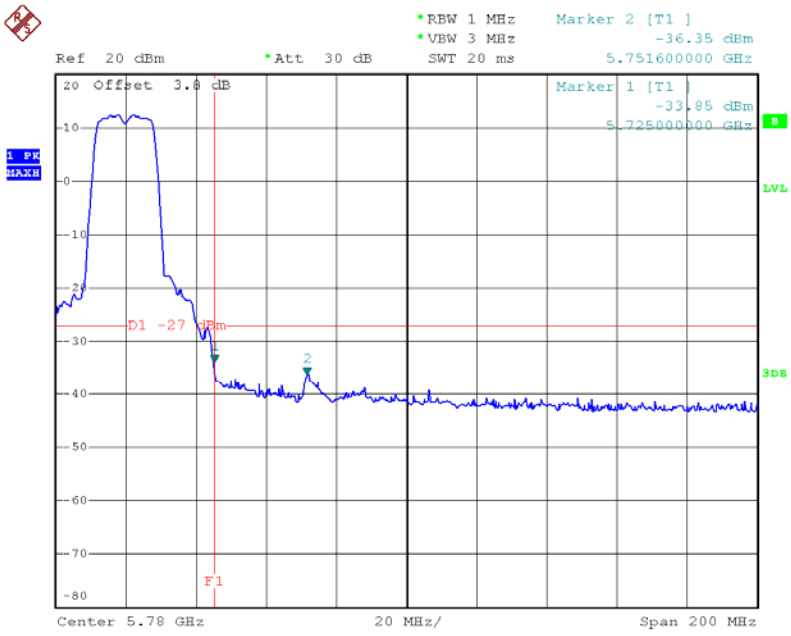
Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5468.10	-30.42	5725.00	-33.85
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH100



Date: 7.SEP.2013 15:12:16

TX mode CH140

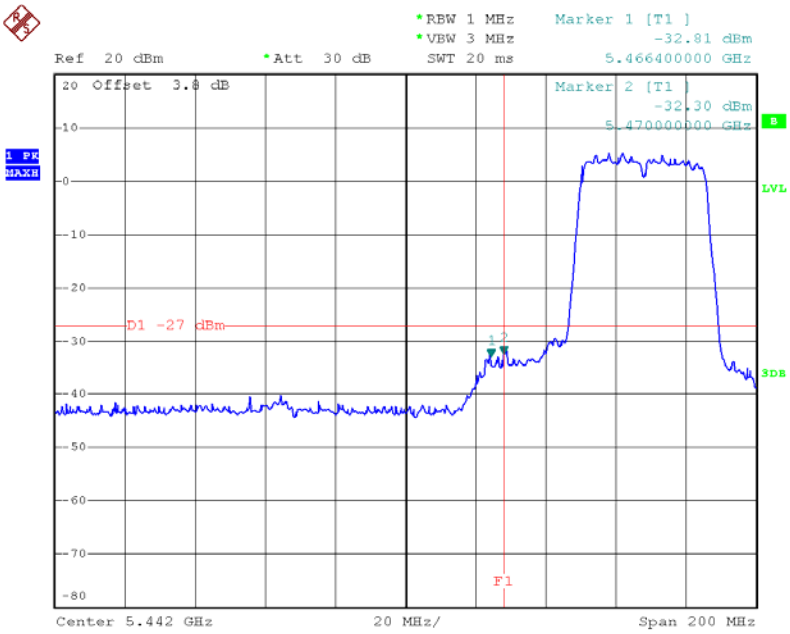


Date: 7.SEP.2013 15:19:52

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/ CH102, CH110,CH134/ANT 1/Integral Antenna		

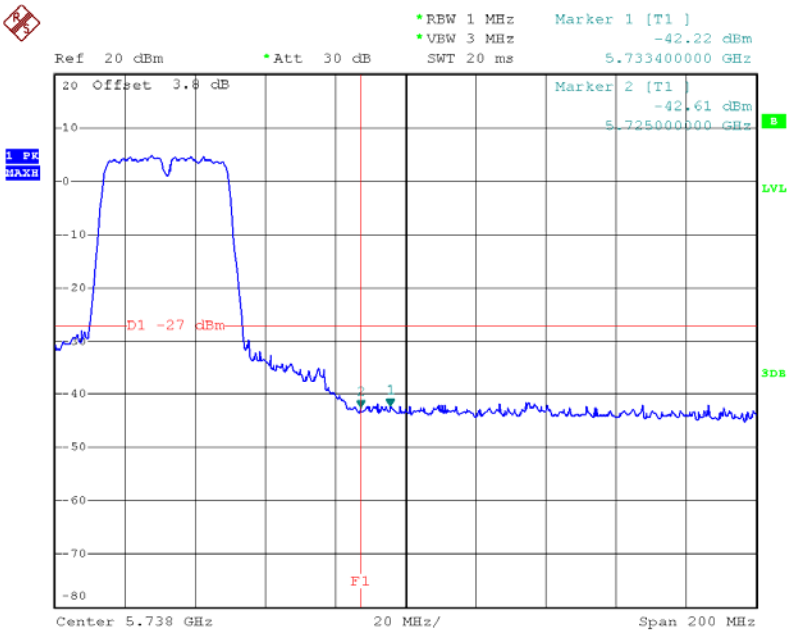
Channel of Worst Data: CH102			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-32.30	5733.40	-42.22
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH102



Date: 7.SEP.2013 15:37:41

TX mode CH134

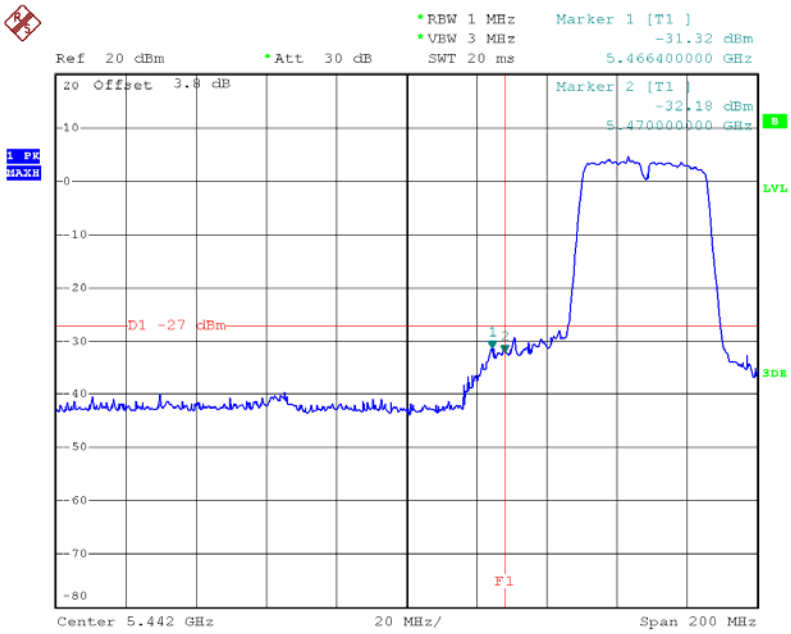


Date: 7.SEP.2013 16:00:11

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/ CH102, CH110,CH134/ANT 2/Integral Antenna		

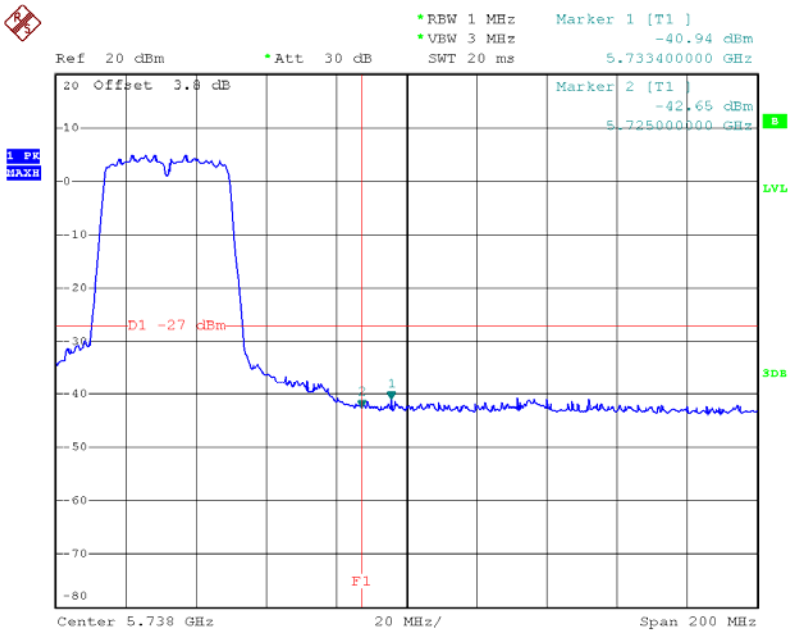
Channel of Worst Data: CH102			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5466.40	-31.32	5733.40	-40.94
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH102



Date: 7.SEP.2013 15:37:26

TX mode CH134

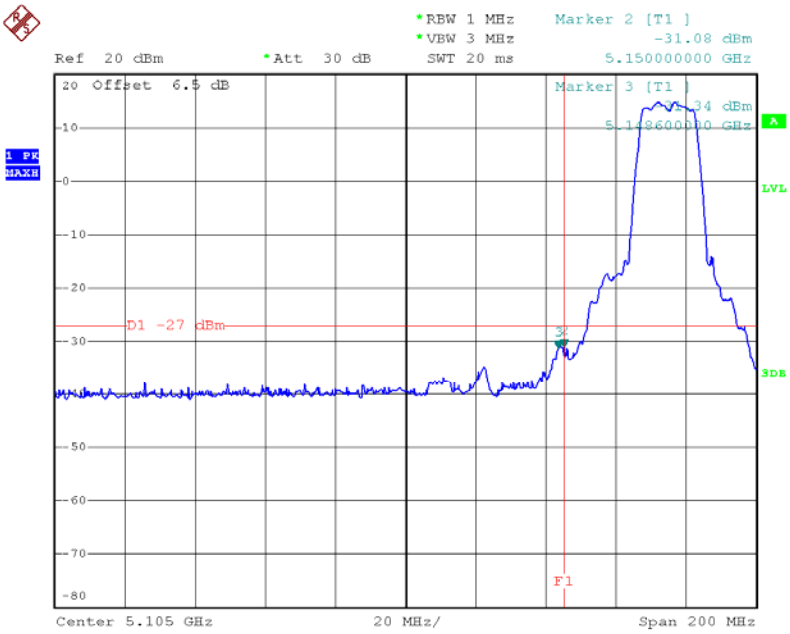


Date: 7.SEP.2013 15:59:52

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48/ANT 1/Dipole Antenna with external cable		

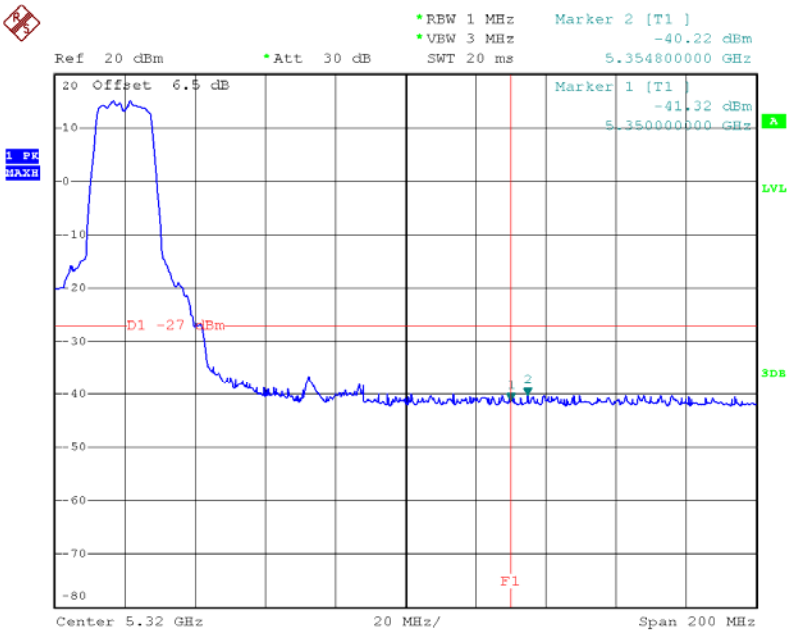
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-31.09	5354.80	-40.22
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



Date: 6.SEP.2013 11:04:52

TX mode CH48

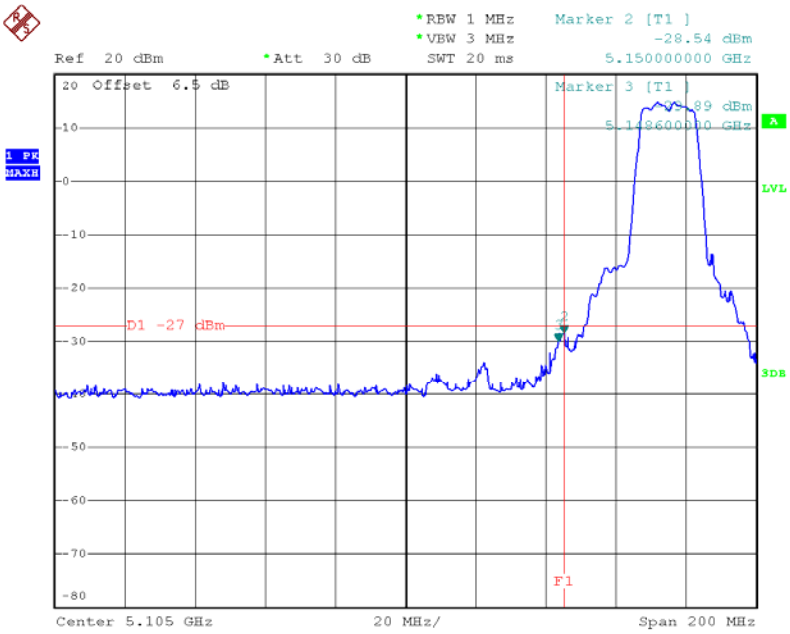


Date: 6.SEP.2013 11:15:56

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/ CH36, CH40, CH48/ANT 2/Dipole Antenna with external cable		

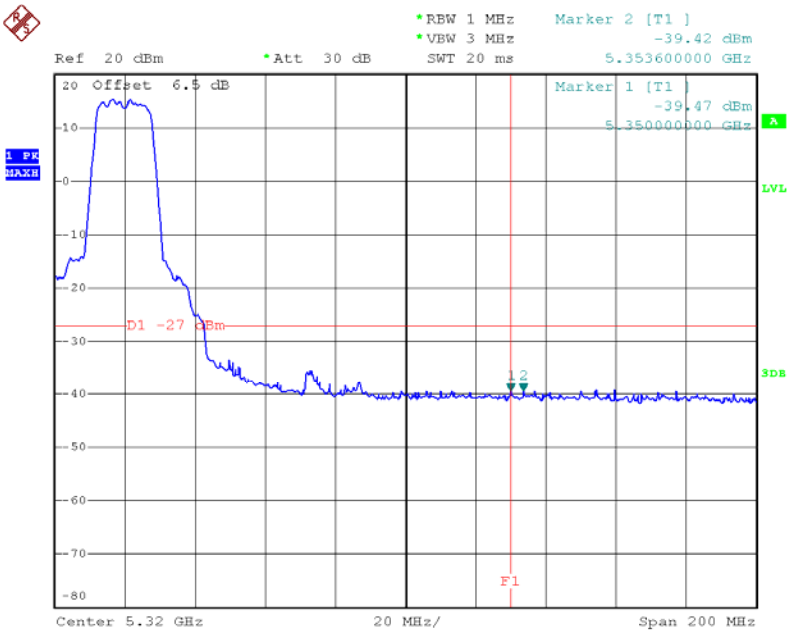
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-28.54	5353.60	-39.42
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



Date: 6.SEP.2013 11:04:23

TX mode CH48

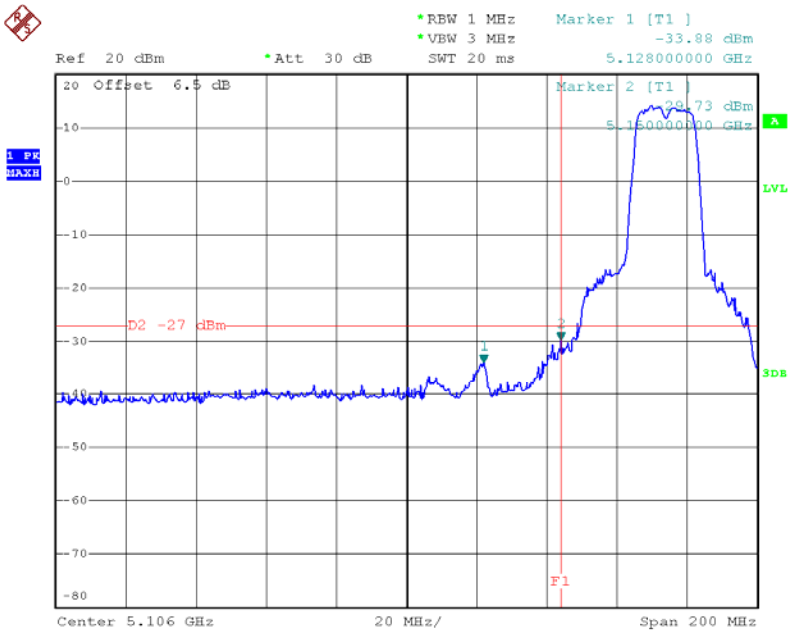


Date: 6.SEP.2013 11:15:36

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ CH36, CH40 , CH48/ANT 1/Dipole Antenna with external cable		

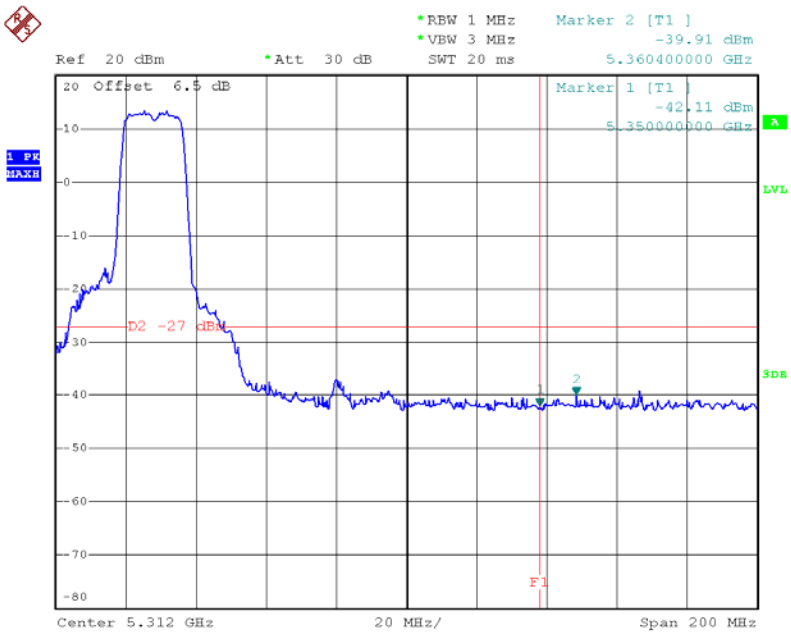
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-29.73	5360.40	-42.11
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



Date: 28.AUG.2013 21:08:24

TX mode CH48

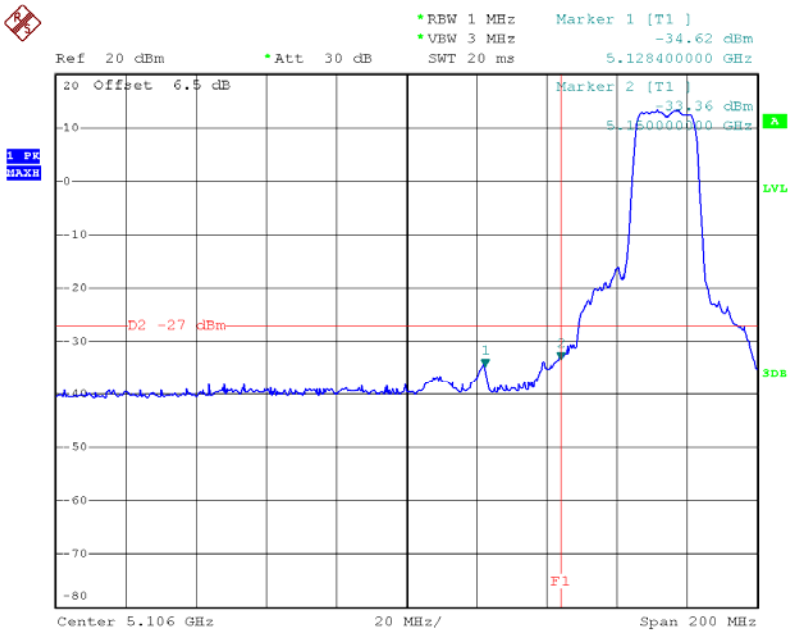


Date: 28.AUG.2013 21:14:35

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/ CH36, CH40 , CH48/ANT 2/Dipole Antenna with external cable		

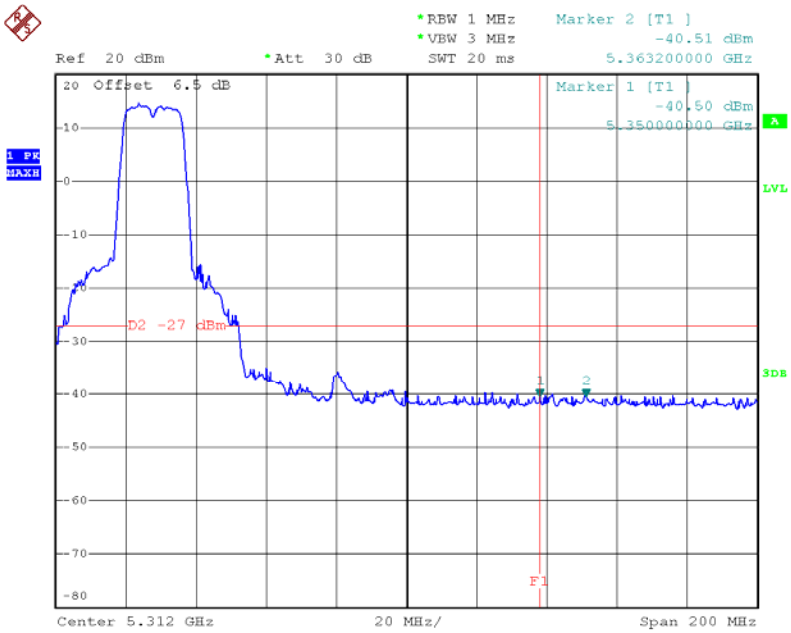
Channel of Worst Data: CH36			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-33.36	5350.00	-40.50
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH36



Date: 28.AUG.2013 21:07:26

TX mode CH48

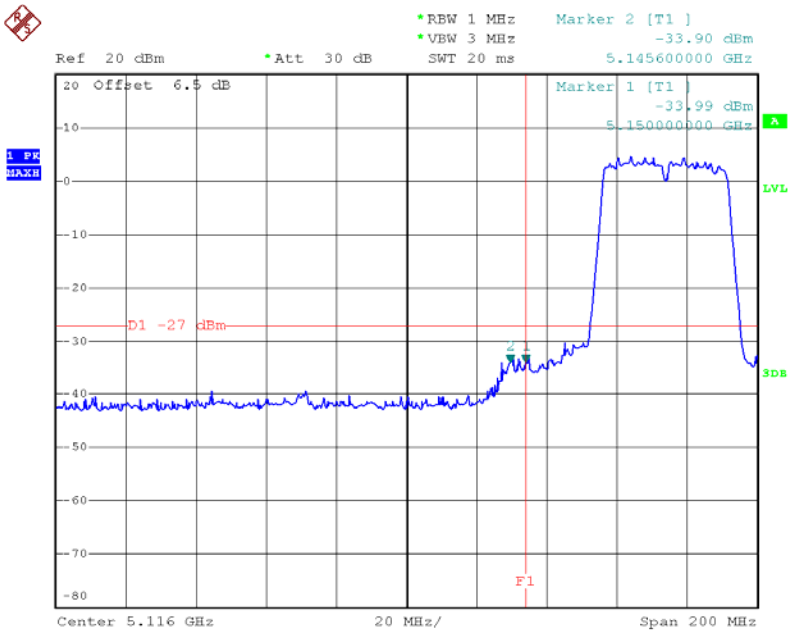


Date: 28.AUG.2013 21:14:18

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/ CH38, CH46/ANT 1/Dipole Antenna with external cable		

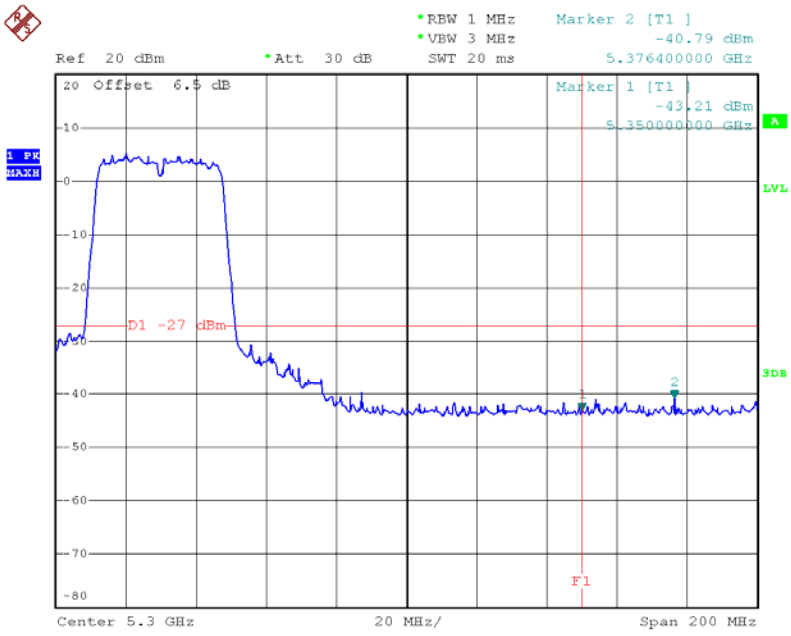
Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5145.60	-33.90	5376.40	-40.79
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH38



Date: 28.AUG.2013 21:24:43

TX mode CH46

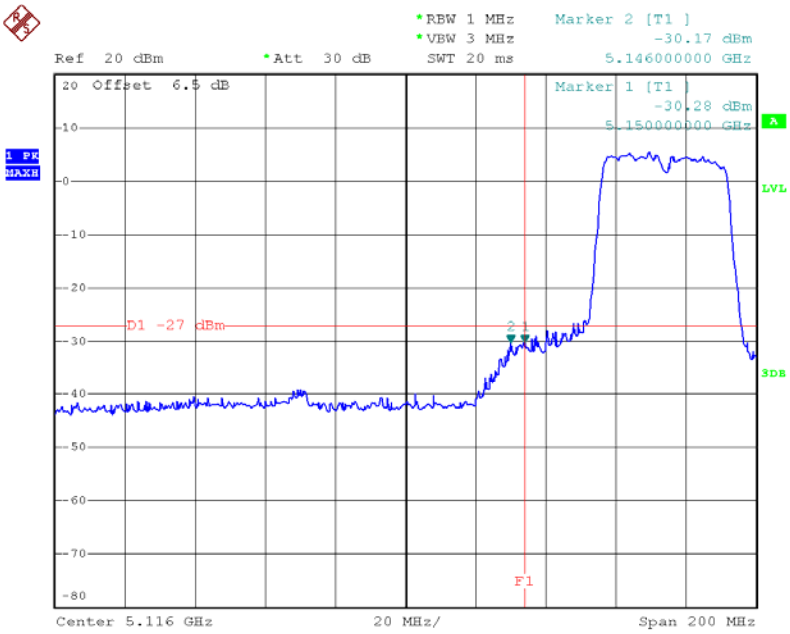


Date: 28.AUG.2013 21:33:12

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N40 Mode/ CH38, CH46/ANT 2/Dipole Antenna with external cable		

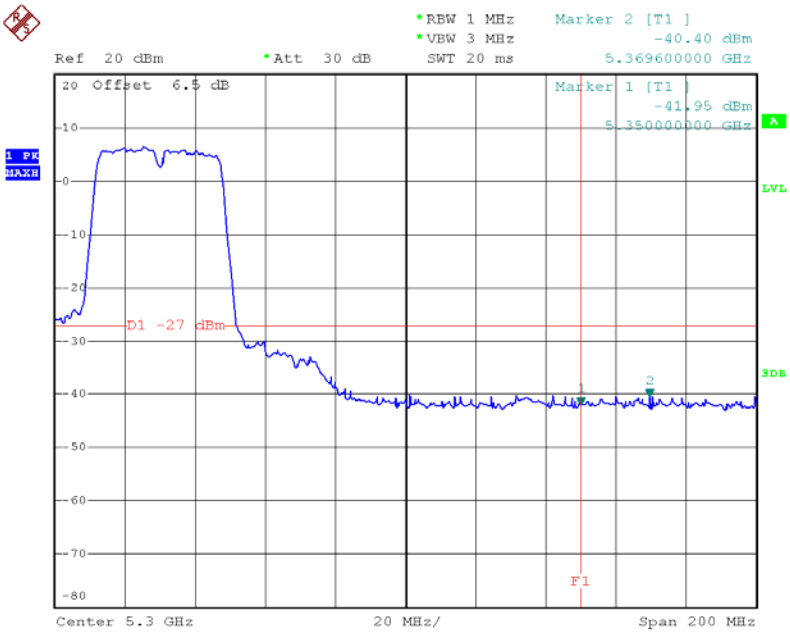
Channel of Worst Data: CH38			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5146.00	-30.17	5369.60	-40.40
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH38



Date: 28.AUG.2013 21:24:22

TX mode CH46

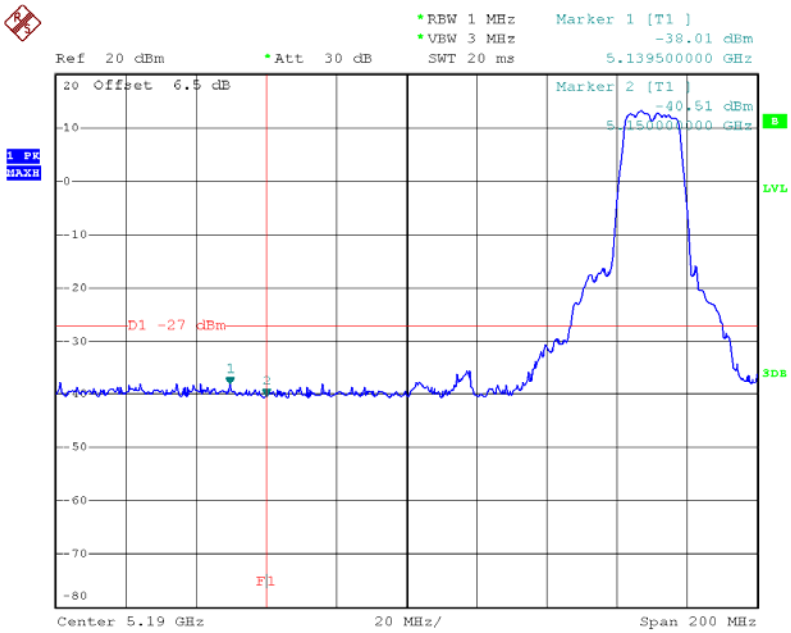


Date: 28.AUG.2013 21:32:55

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/ CH52, CH56 , CH60/ANT 1/Dipole Antenna with external cable		

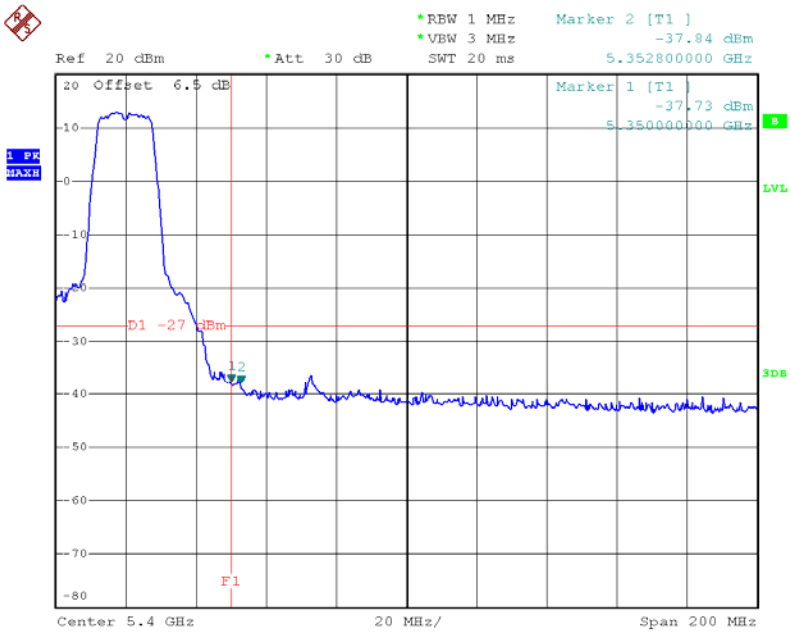
Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5139.50	-38.01	5350.00	-37.73
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH52



Date: 7.SEP.2013 14:13:04

TX mode CH64

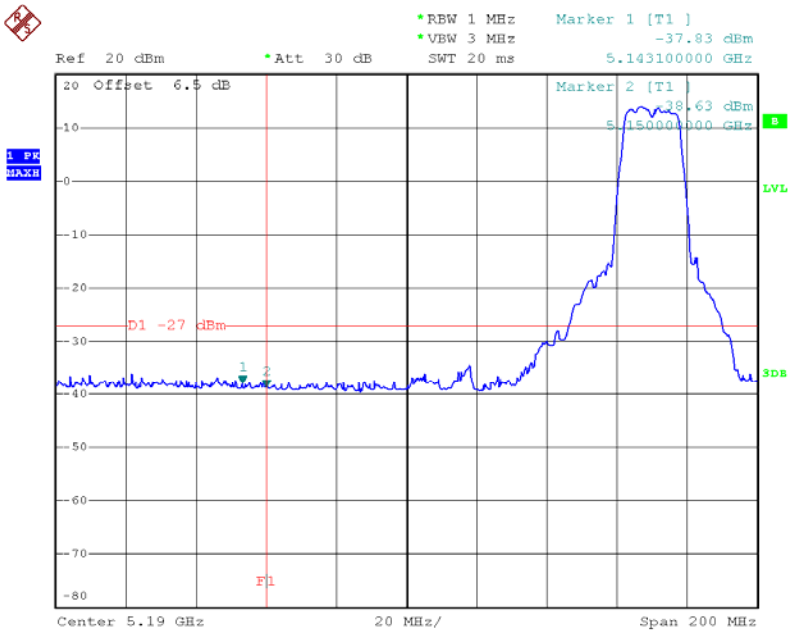


Date: 7.SEP.2013 14:23:33

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX A Mode/ CH52, CH56 , CH60/ANT 2/Dipole Antenna with external cable		

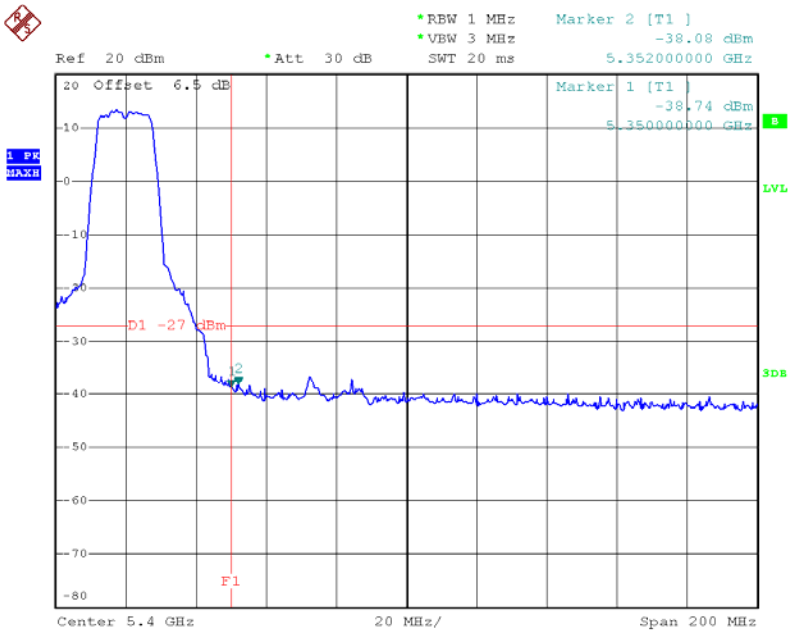
Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5143.10	-37.83	5352.00	-38.08
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH52



Date: 7.SEP.2013 14:12:36

TX mode CH64

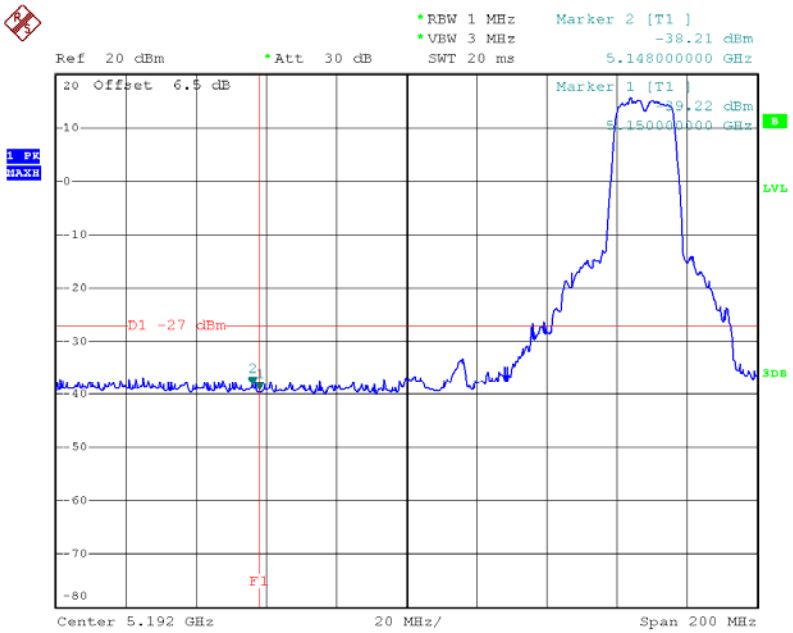


Date: 7.SEP.2013 14:23:14

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/ CH52, CH56 , CH64/ANT 1//Dipole Antenna with external cable		

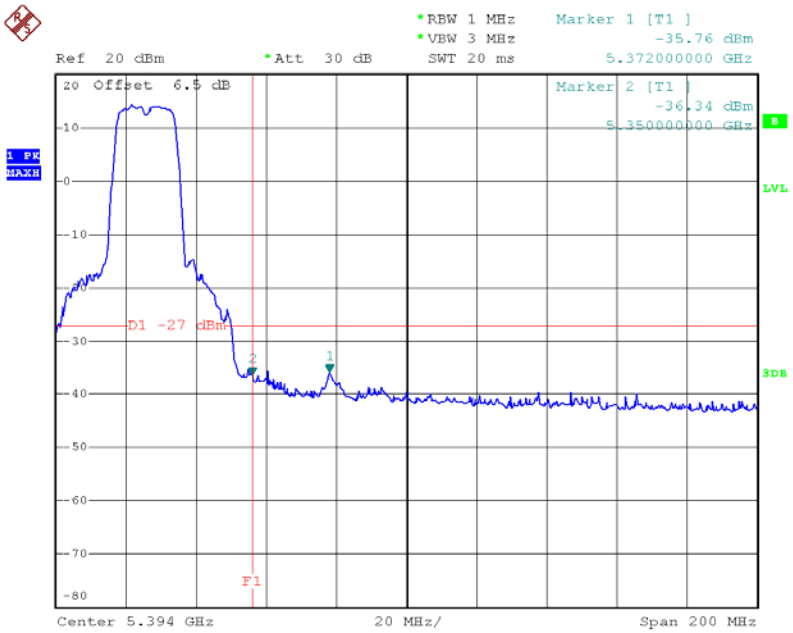
Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5148.00	-38.21	5372.00	-35.76
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH52



Date: 7.SEP.2013 14:56:55

TX mode CH64

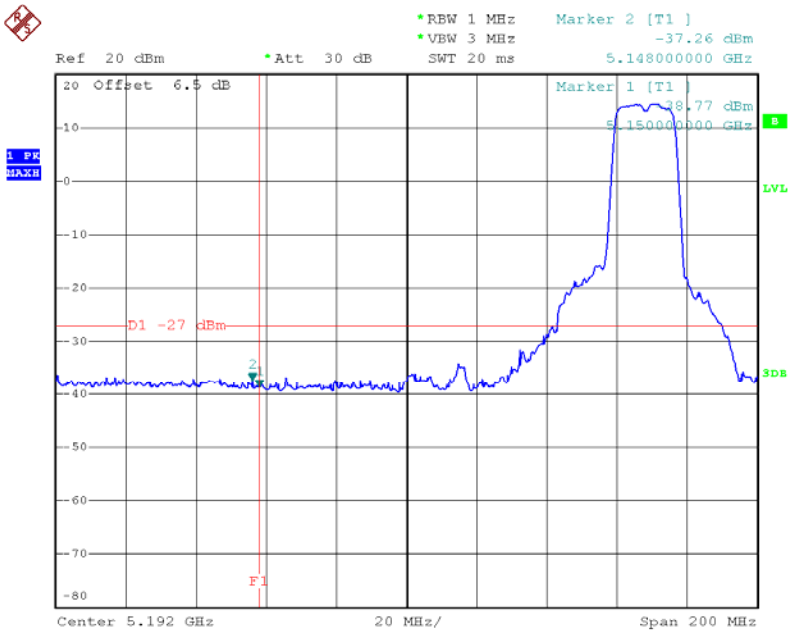


Date: 7.SEP.2013 15:07:16

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N20 Mode/ CH52, CH56 , CH64/ANT 2/Dipole Antenna with external cable		

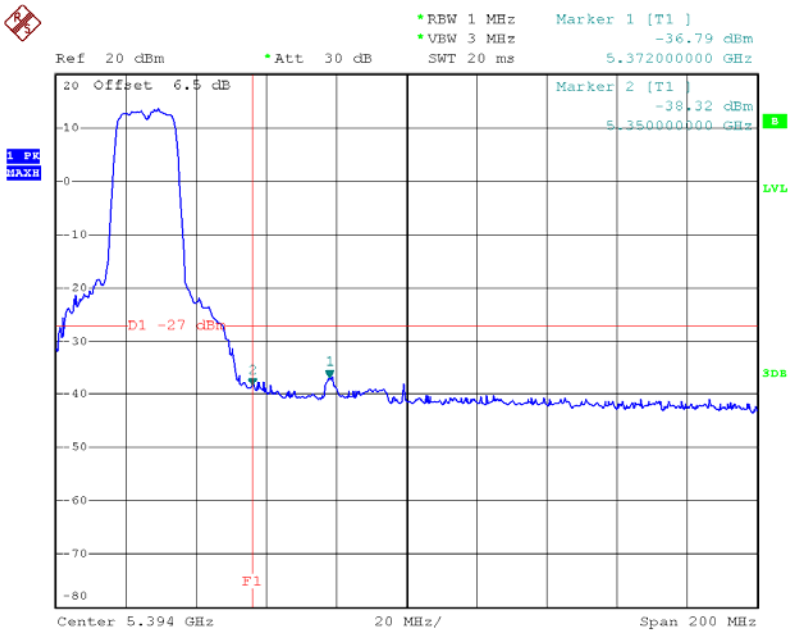
Channel of Worst Data: CH52			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5148.00	-37.26	5372.00	-36.79
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH52



Date: 7.SEP.2013 14:56:32

TX mode CH64

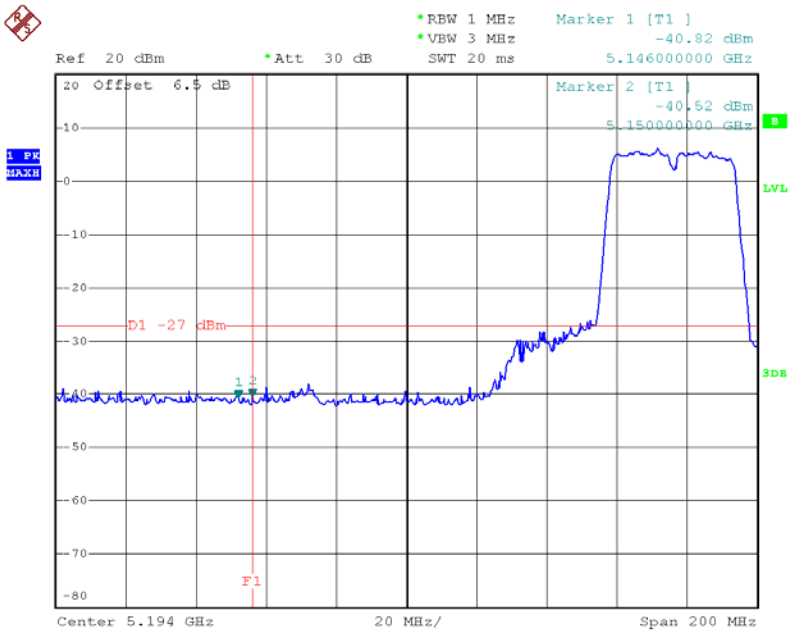


Date: 7.SEP.2013 15:06:55

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/ CH54, CH62/ANT 1/Dipole Antenna with external cable		

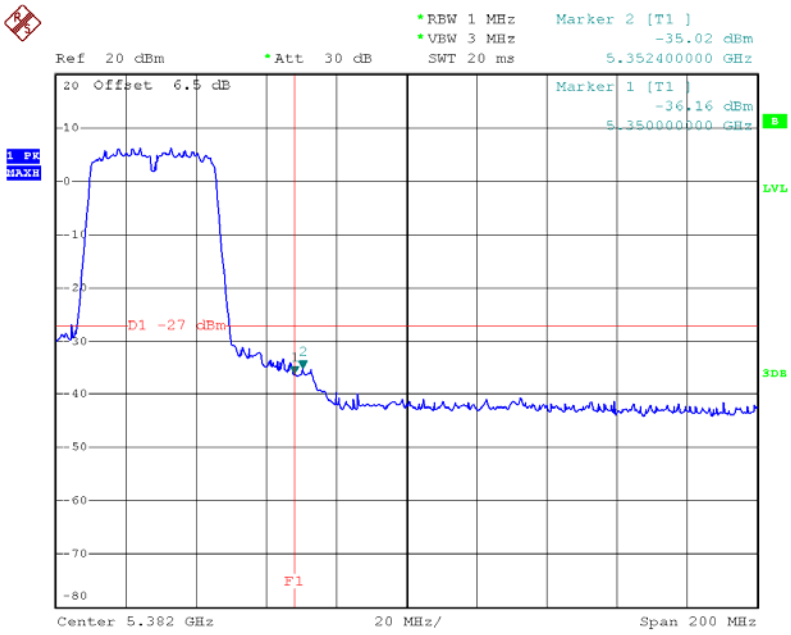
Channel of Worst Data: CH54			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5150.00	-40.52	5352.40	-35.02
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH54



Date: 7.SEP.2013 15:26:02

TX mode CH62

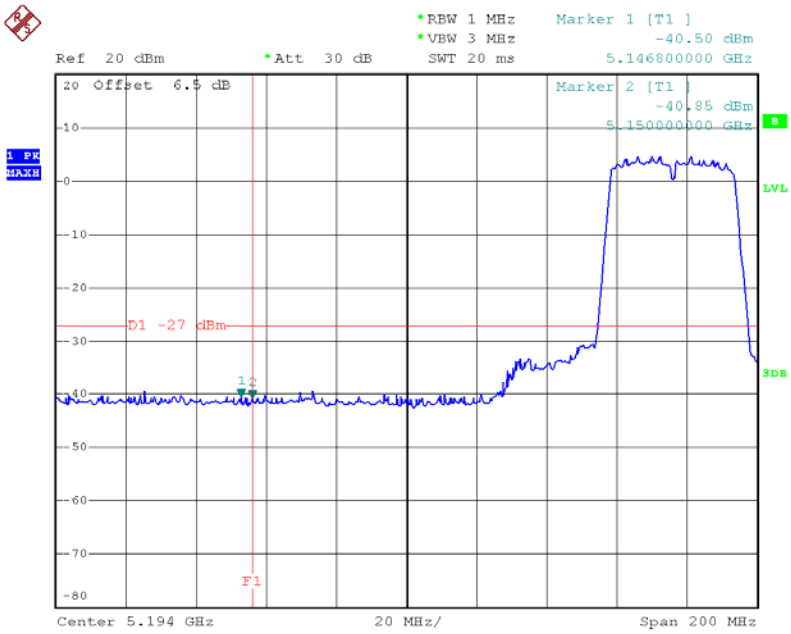


Date: 7.SEP.2013 15:34:52

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 2/TX N40 Mode/ CH54, CH62/ANT 2/Dipole Antenna with external cable		

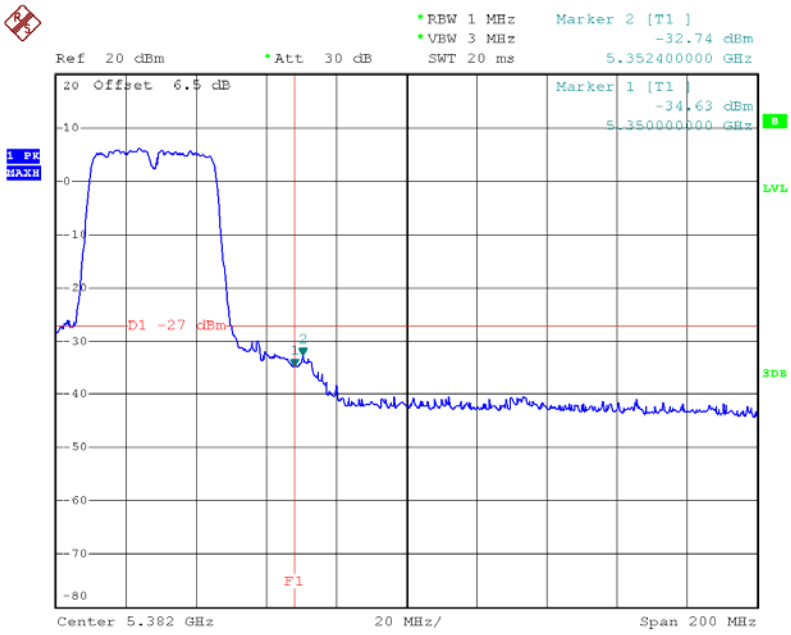
Channel of Worst Data: CH54			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5146.80	-40.50	5352.40	-32.74
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH54



Date: 7.SEP.2013 15:25:28

TX mode CH62

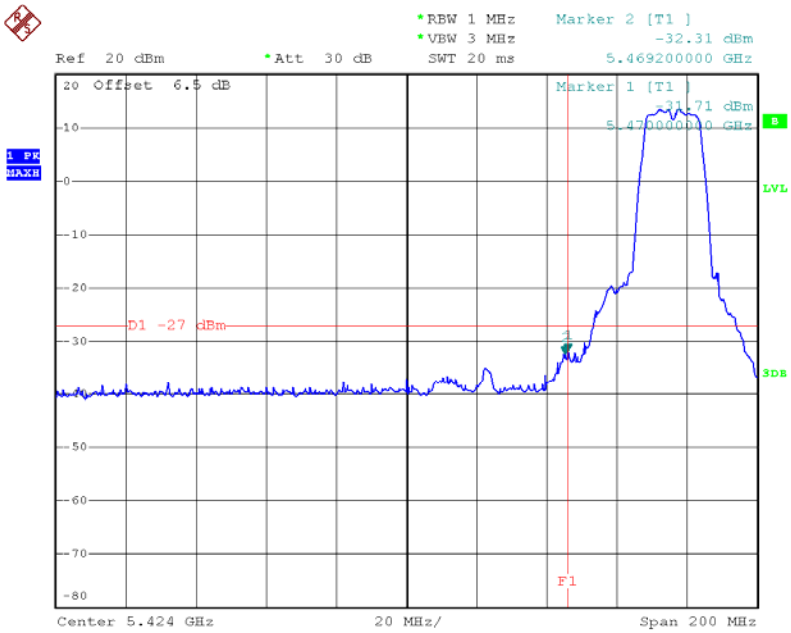


Date: 7.SEP.2013 15:34:33

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/ CH100, CH116,CH140/ANT 1/Dipole Antenna with external cable		

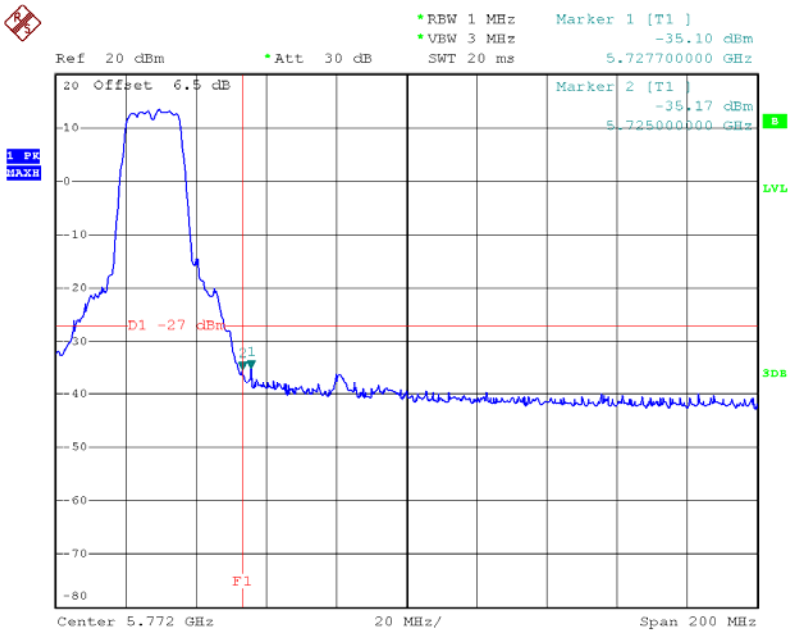
Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-31.70	5727.70	-35.10
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH100



Date: 7.SEP.2013 14:28:37

TX mode CH140

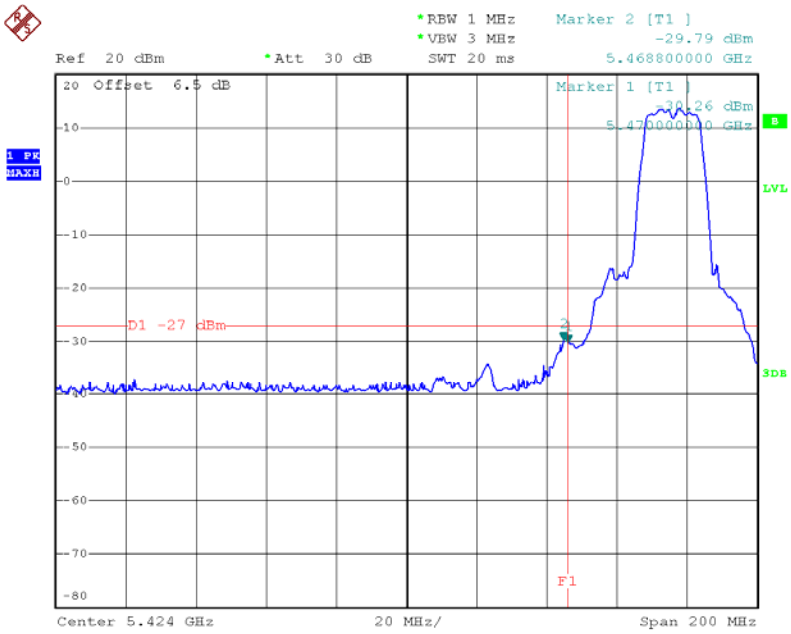


Date: 7.SEP.2013 14:39:12

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX A Mode/ CH100, CH116,CH140/ANT 2/Dipole Antenna with external cable		

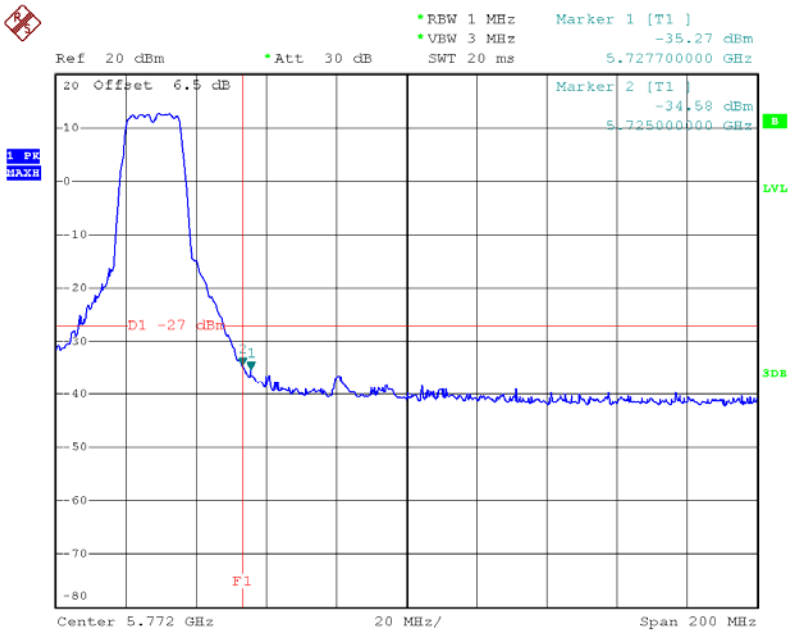
Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5468.80	-29.79	5725.00	-34.58
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH100



Date: 7.SEP.2013 14:27:55

TX mode CH140

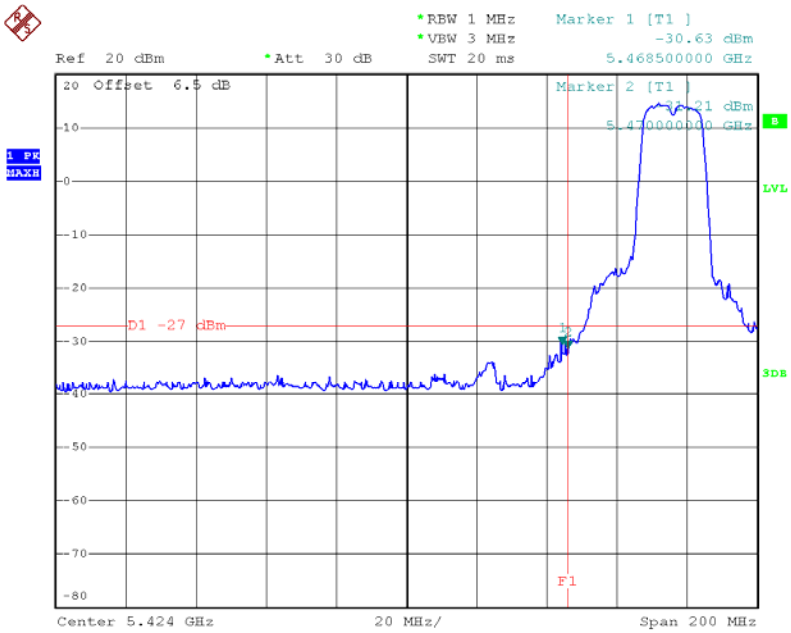


Date: 7.SEP.2013 14:38:54

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/ CH100, CH116,CH140/ANT 1/Dipole Antenna with external cable		

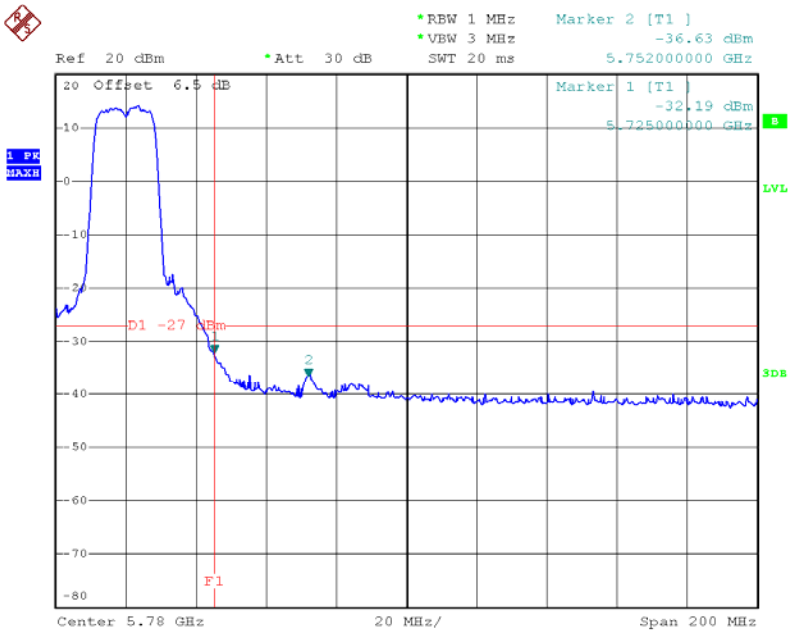
Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5468.50	-30.43	5725.00	-32.19
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH100



Date: 7.SEP.2013 15:13:35

TX mode CH140

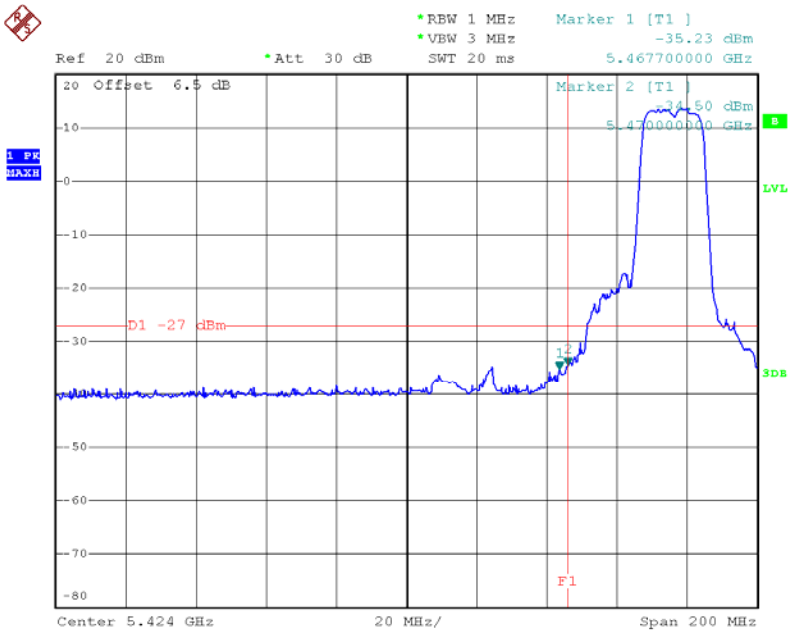


Date: 7.SEP.2013 15:20:25

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N20 Mode/ CH100, CH116,CH140/ANT 2/Dipole Antenna with external cable		

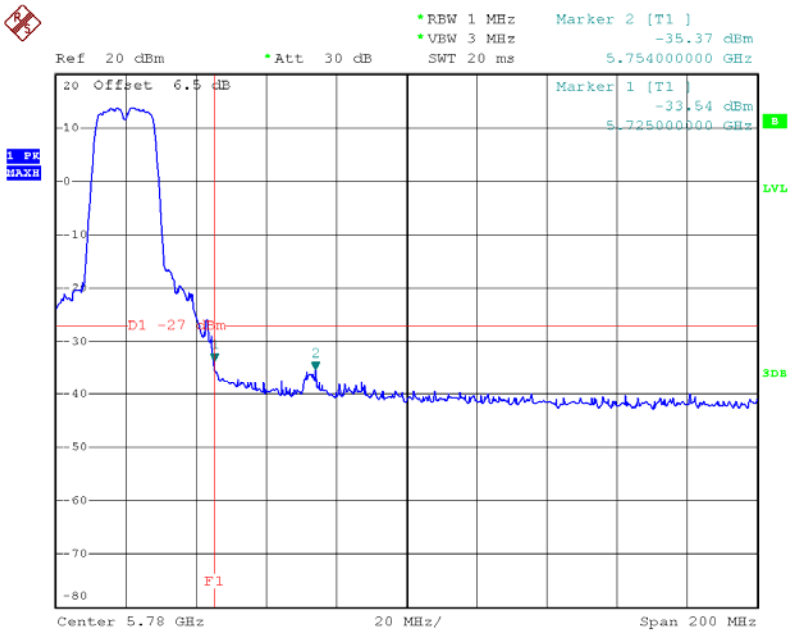
Channel of Worst Data: CH100			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5470.00	-34.50	5725.00	-33.54
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH100



Date: 7.SEP.2013 15:13:01

TX mode CH140

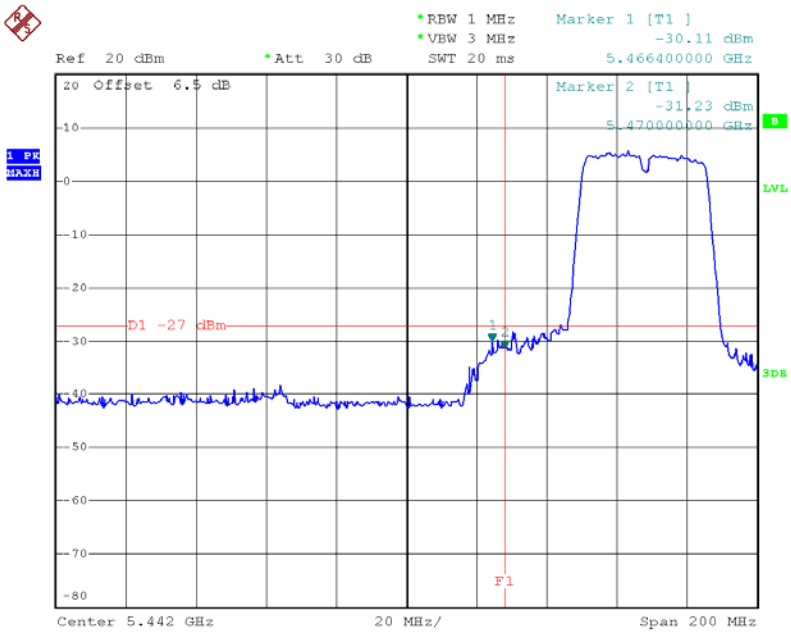


Date: 7.SEP.2013 15:20:43

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/ CH102, CH110,CH134/ANT 1/Dipole Antenna with external cable		

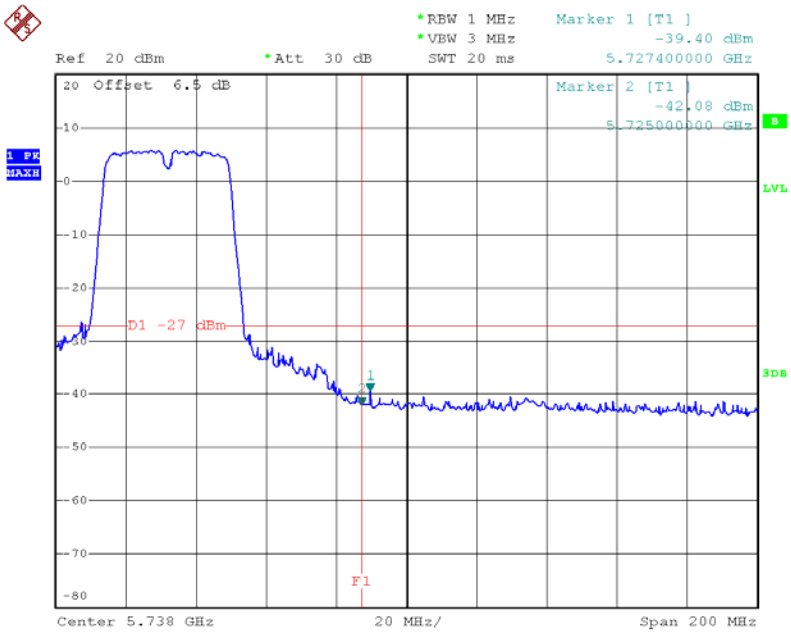
Channel of Worst Data: CH102			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5466.40	-30.11	5727.40	-39.40
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH102



Date: 7.SEP.2013 15:36:55

TX mode CH134

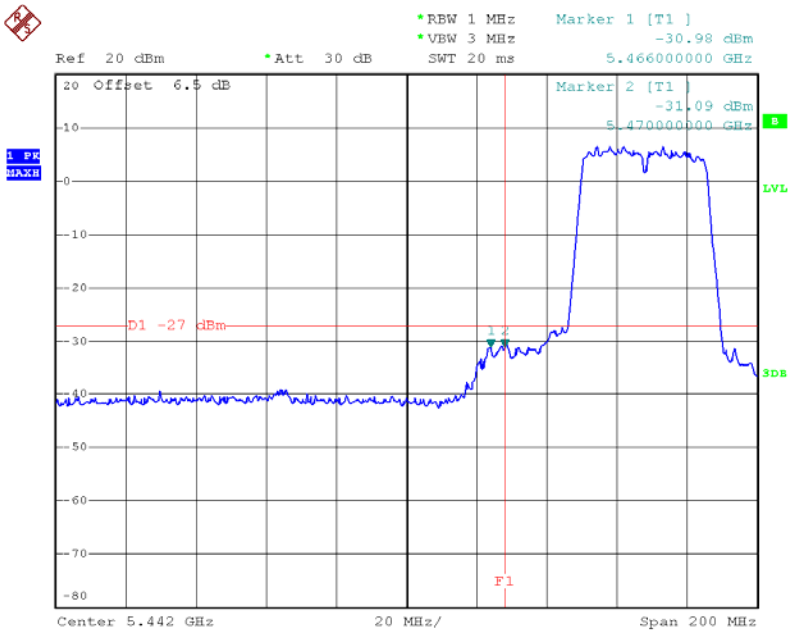


Date: 7.SEP.2013 16:00:41

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 3/TX N40 Mode/ CH102, CH110,CH134/ANT 2/Dipole Antenna with external cable		

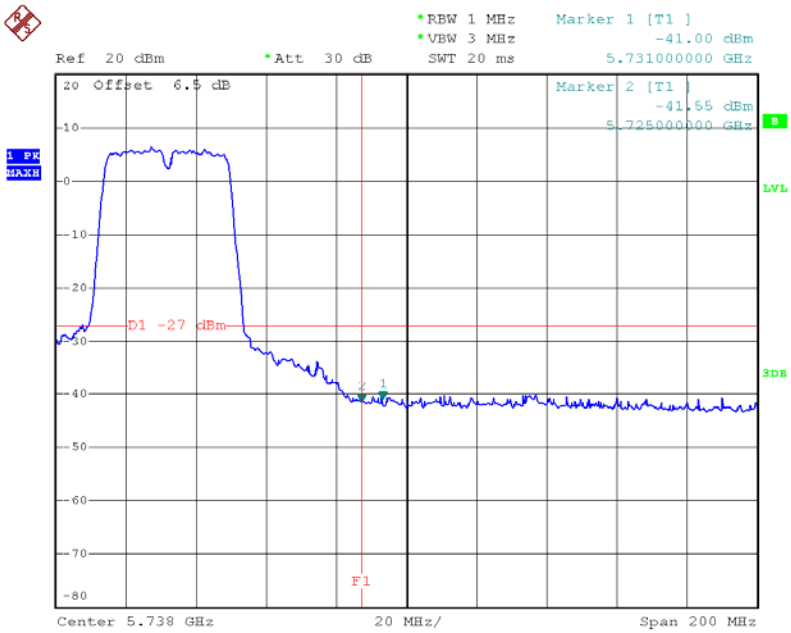
Channel of Worst Data: CH102			
The max. radio frequency power in any 1000kHz bandwidth outside the frequency band		The max. radio frequency power in any 1000kHz bandwidth within the frequency band.	
FREQUENCY(MHz)	POWER(dBm)	FREQUENCY(MHz)	POWER(dBm)
5466.00	-30.98	5731.00	-41.00
Limit: -27 dBm/1MHz Result:PASS			
Measurement method: S.A Read value+Ant gain+cable loss			

TX mode CH102



Date: 7.SEP.2013 15:36:02

TX mode CH134



Date: 7.SEP.2013 16:00:31

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	4 dBm	5150 - 5250	PASS
	11 dBm	5250 - 5350	PASS
	11 dBm	5470 - 5725	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	100129	Nov.26.2013

Remark: “N/A” denotes no model name, serial no. or calibration specified.

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,

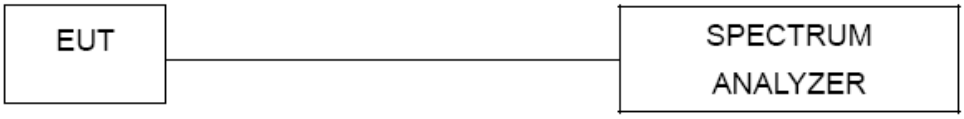
b.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RB	= 1 MHz.
VB	≥ 3 MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

8.1.3 DEVIATION FROM STANDARD

No deviation.

8.1.4 TEST SETUP



8.1.5 EUT OPERATION CONDITIONS

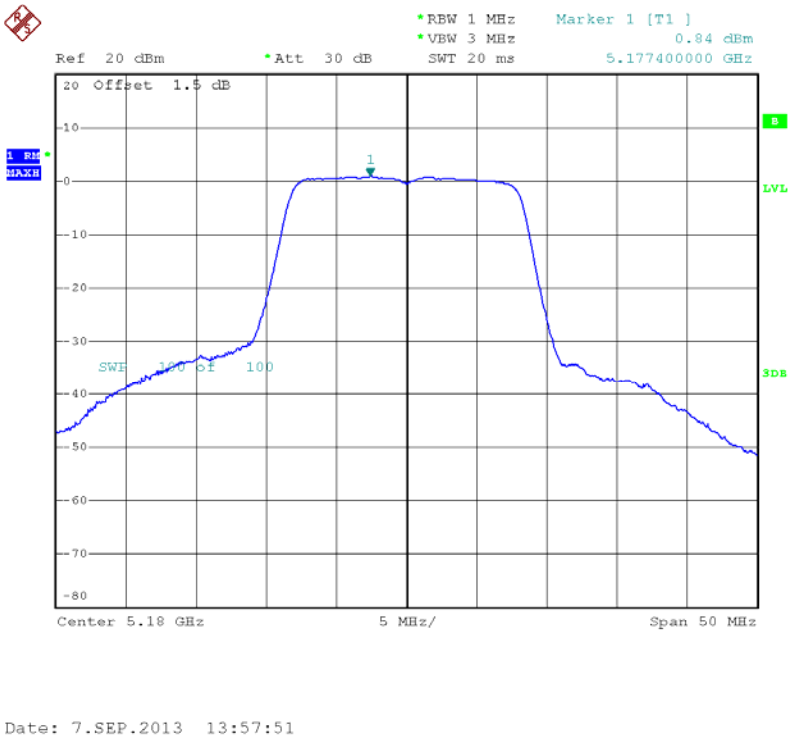
The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

8.1.6 TEST RESULTS

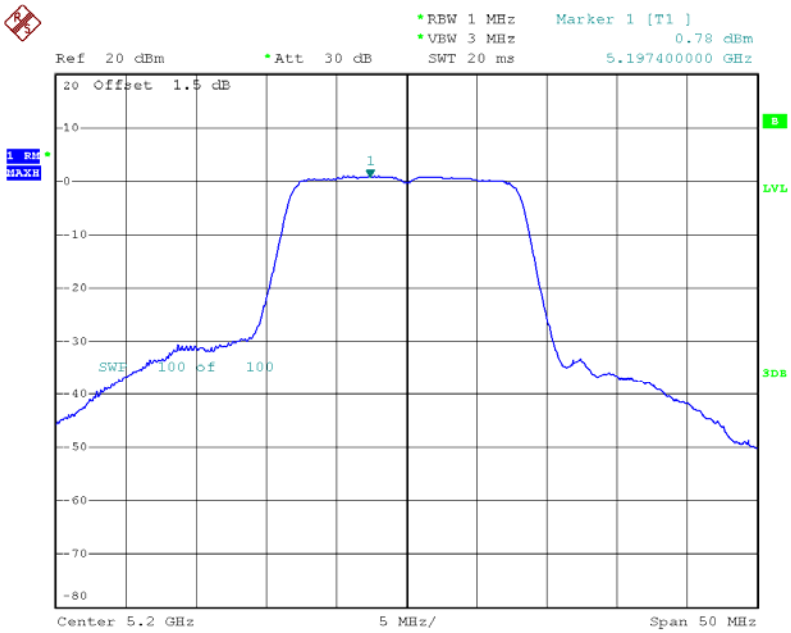
EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Integral Antenna		

ANT 1			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH36	5180	0.84	4.00
CH40	5200	0.78	4.00
CH48	5240	0.52	4.00

CH36

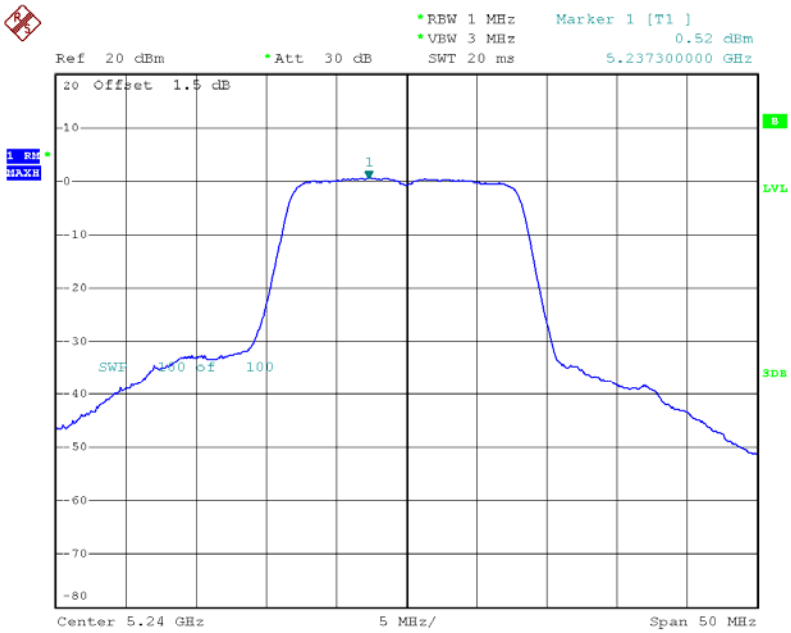


CH40



Date: 7.SEP.2013 14:00:59

CH48

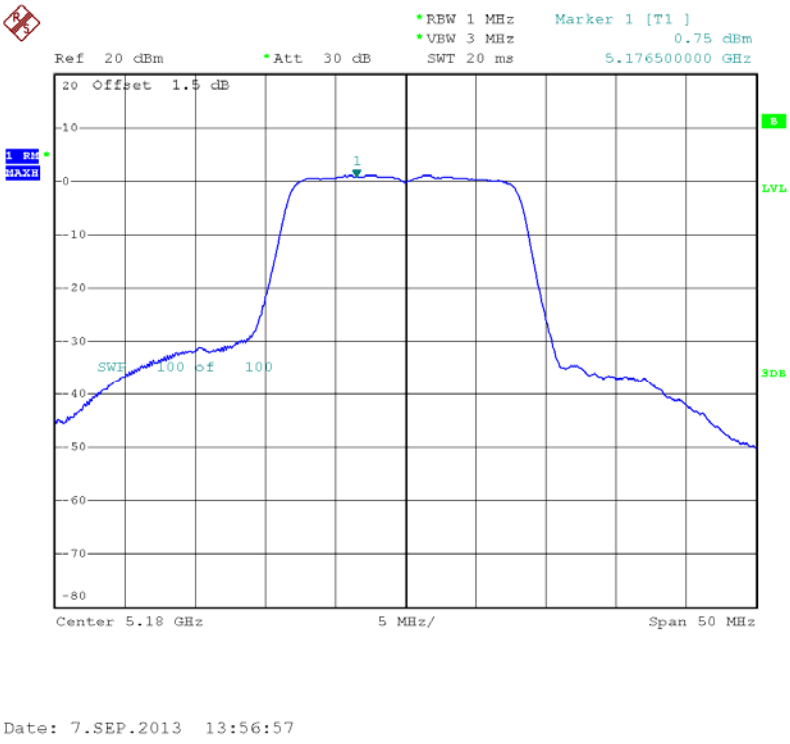


Date: 7.SEP.2013 14:04:24

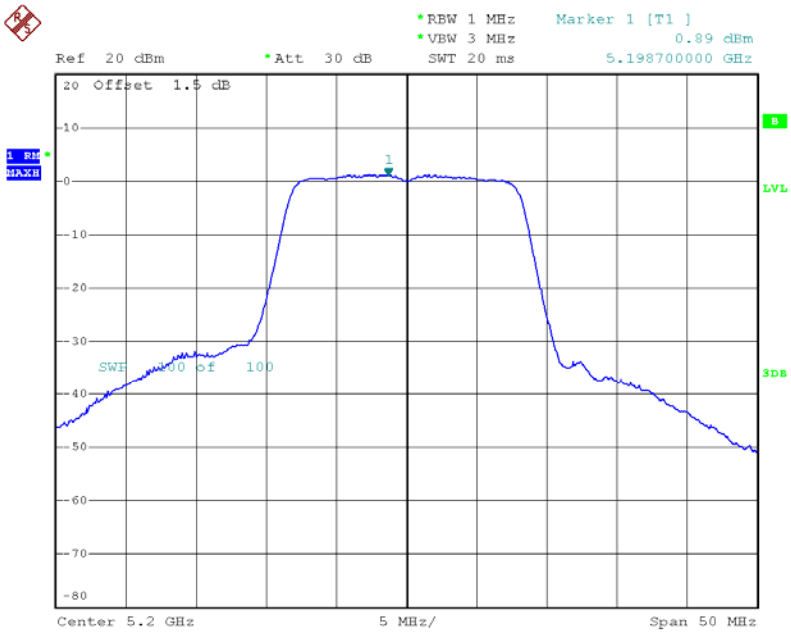
EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Integral Antenna		

ANT 2			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH36	5180	0.75	4.00
CH40	5200	0.89	4.00
CH48	5240	0.87	4.00

CH36

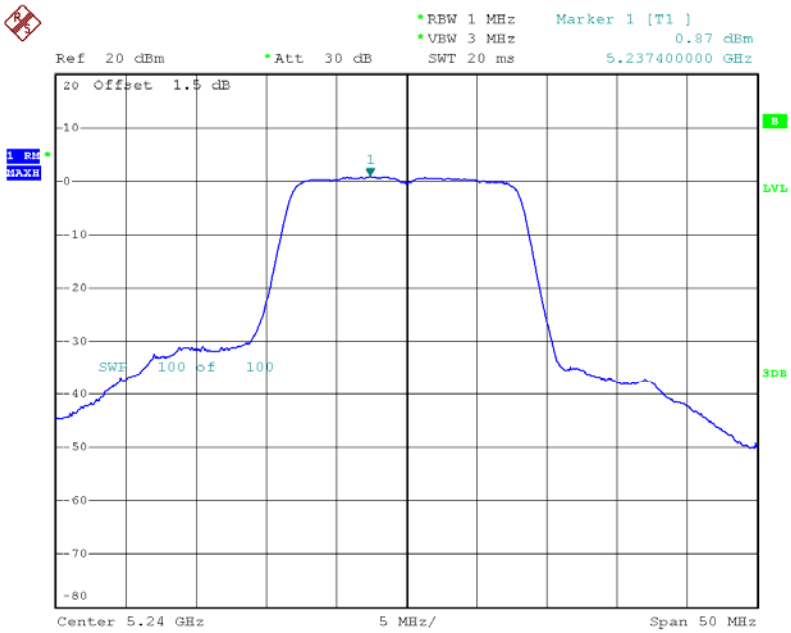


CH40



Date: 7.SEP.2013 14:00:17

CH48



Date: 7.SEP.2013 14:03:13

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX A Mode/CH36, CH40, CH48/Integral Antenna		

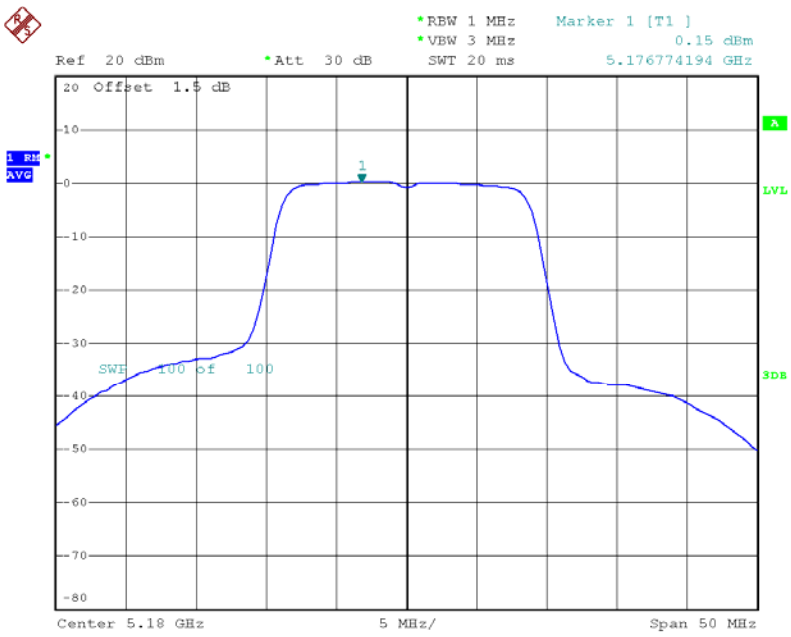
ANT 1+ANT 2			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH36	5180	3.81	4.00
CH40	5200	3.85	4.00
CH48	5240	3.71	4.00

Note:The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and two receivers (2T2R). all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}**, that is Directional gain=3.59 for Dipole antenna and Directional gain=3.7 for Integral Antenna.

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25°C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Integral Antenna		

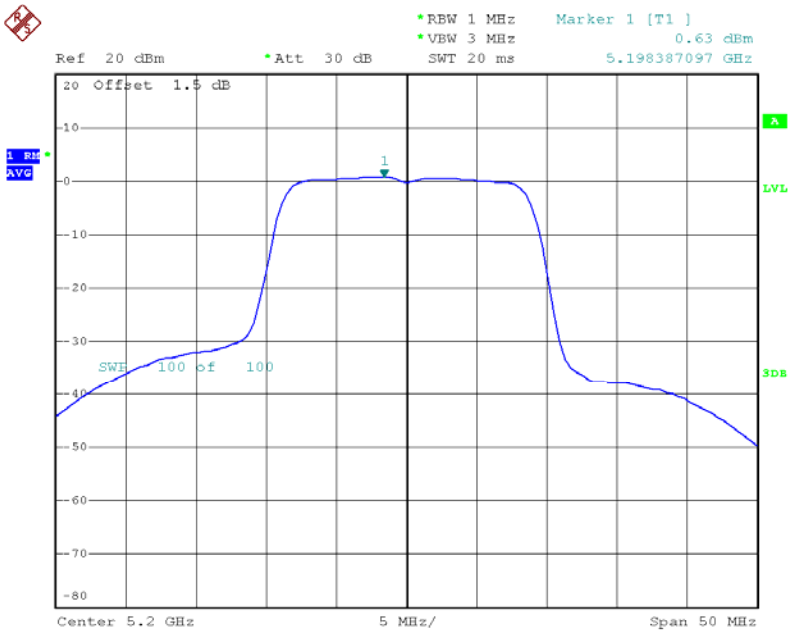
ANT 1			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH36	5180	0.15	4.00
CH40	5200	0.63	4.00
CH48	5240	-0.57	4.00

CH36



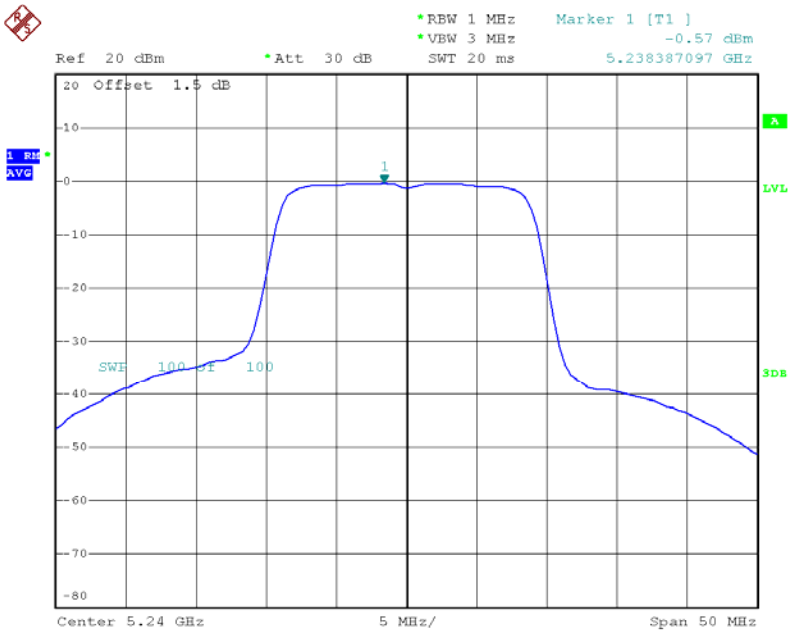
Date: 28.AUG.2013 20:35:52

CH40



Date: 28.AUG.2013 20:40:47

CH48

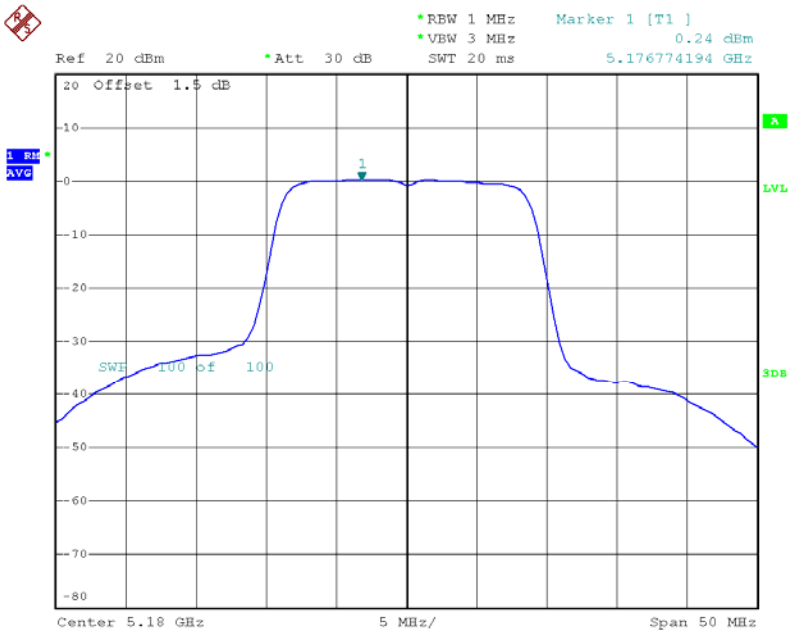


Date: 28.AUG.2013 20:55:20

EUT:	Cisco Edge 340	Model Name :	CS-E340W
Temperature:	25˚C	Relative Humidity:	58 %
Test Voltage:	AC 120V/60Hz		
Test Mode :	Band 1/TX N20 Mode/CH36, CH40, CH48/Integral Antenna		

ANT 2			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH36	5180	0.24	4.00
CH40	5200	0.42	4.00
CH48	5240	-0.73	4.00

CH36



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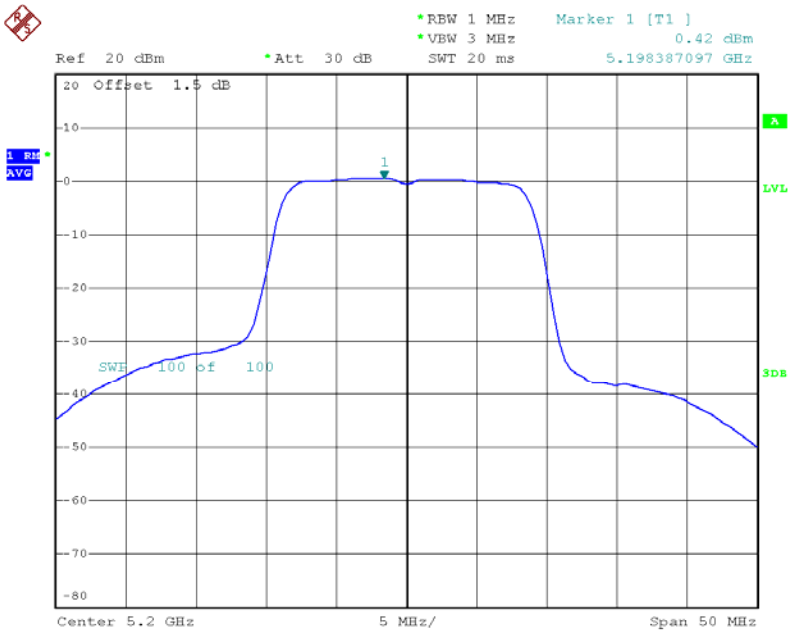
CH40



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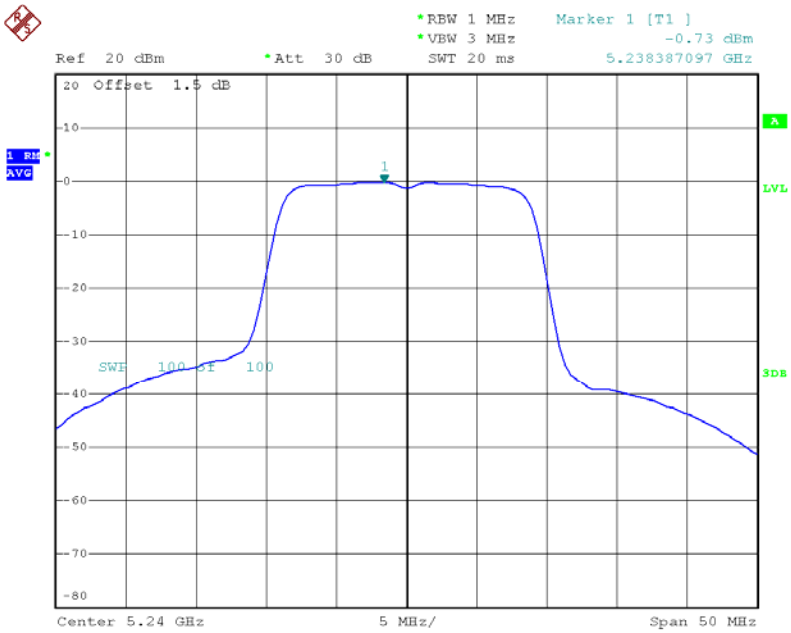
CH48



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