EMC
TEST REPORT

Report No. : TS09050014-EME

Model No. : H3C WA2620E-AGN

Issued Date : Oct. 14, 2009

Applicant: 3Com Corporation
350 Campus Drive Marlborough, MA 01752-3064,
United States

Test Method/ FCC Part 15 Subpart E Section §15.207、§15.209 、§15.407
Standard: and ANSI C63.4/2003.

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Summary of Tests

Test	Reference	Results
Peak output power test	15.407 (a)(1)/(2)/(3) DA 02-2138	Pass
Power Spectrum Density test	15.407 (a)(1)/(2)/(3) DA 02-2138	Pass
Peak excursion to average ratio test	15.407(a)(6) DA 02-2138	Pass
Radiated spurious emission test	15.407(b)(1)/(2)/(3)/(6), 15.209	Pass
Additional provisions	15.215(c)	Pass
AC line conducted emission test	15.407(b)(6) 15.207	Pass

1. General information

1.1 Identification of the EUT

Product:	Wireless LAN Access Point
Model No.:	H3C WA2620E-AGN
Nominal Channel Bandwidth:	20 MHz, 40MHz
Operating Frequency:	1. 5180 MHz ~ 5240 MHz 2. 5260 MHz ~ 5320 MHz 3. 5500 MHz ~ 5580 MHz 4. 5660 MHz ~ 5700 MHz
Channel Number:	1. 4 channels for 5180 MHz ~ 5240 MHz for 11a,11n HT20 2. 2 channels for 5190 MHz ~ 5230 MHz for 11n HT40 3. 4 channels for 5260 MHz ~ 5320 MHz for 11a,11n HT20 4. 2 channels for 5270 MHz ~ 5310 MHz for 11n HT40 5. 5 channels for 5500 MHz ~ 5580 MHz for 11a,11n HT20 6. 2 channels for 5510 MHz ~ 5550 MHz for 11n HT40 7. 3 channels for 5660 MHz ~ 5700 MHz for 11a,11n HT20 8. 1 channels for 5670 MHz for 11n HT40
Rated Power:	DC 48 V from adapter (Model No.: FSP025-1AD207A), I/P Voltage: 100-240 Vac, 50-60 Hz
Power Cord:	3G × 18AWG × 1.8 meter unshielded cable
Data Cable:	RJ-45 UTP Cat.5 10meter × 1
Sample Received:	Oct. 25, 2008
Test Date(s):	Oct. 28, 2008 ~ Oct. 09, 2009
Note 1:	This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.
Note 2:	When determining the test conclusion, the Measurement Uncertainty of test has been considered.

1.2 Additional information about the EUT

The EUT is a Wireless LAN Access Point, the device is a MIMO product, it's three transmitter and three receiver with two wireless module embedded.

For more detail features, please refer to User's manual as file name "Installation guide.pdf".

1.3 Antenna description

The EUT requires professional installation (attach supporting documentation if using this option).

For 5GHz Band

Ant.	Model number	Antenna Type	Connector Type	Gain (dBi)
1	C5060-510002-A	Omni Antenna Kit	RSMA female	3
2	3CWE591	Omni Antenna	N Female	8
3	3CWE596	Panel Antenna	N Female	20
4	3CWE598	Panel Antenna	N Female	10
5	MCM2458PTRPSM	Ceiling Mount Omni Antenna	Three-Port SMA female	4
6	TQJ-24/58MICX6	Ceiling Mount Omni Antenna	Six-Port RSMA female	4.5
7	TQJ-24/58MIKX3	Ceiling Mount Omni Antenna	Three-Port RSMA female	4

Antenna Cable description
For 5GHz Band

Ant. Cable	Model number	Connector Type	Cable Length (m)	Gain (dBi)
A	3CWE580	SMA (male) to N type (male)	1.83	-4
B	3CWE581	SMA (male) to N type (male)	6.10	-4
C	3CWE582	SMA (male) to N type (male)	15.20	-10

1.4 Peripherals equipment

Peripherals	Manufacturer	Product No.	Serial No.	FCC ID
Notebook PC	DELL	Latitude D610	5YWZK1S	FCC DoC Approved

2. Test specifications

2.1 Test standard

The EUT was performed according to the procedures in FCC Part 15 Subpart E Section §15.207、§15.209、§15.407、DA 02-2138 and ANSI C63.4/2003, method of measurement: reference FCC document: KDB 913591.

The test of radiated measurements according to FCC Part15 Section 15.33(a) had been conducted and the field strength of this frequency band were all meet limit requirement, thus we evaluate the EUT pass the specified test.

The AC power conducted emissions was invested over the frequency range from 0.15 MHz to 30 MHz using a receiver bandwidth of 9 kHz (15.207 paragraph).

Radiated emissions were invested cover the frequency range from 30 MHz to 1000 MHz using a receiver RBW of 120 kHz record QP reading, and the frequency over 1 GHz using a spectrum analyzer RBW of 1 MHz and 10 Hz VBW record Average reading (15.209 paragraph), the Peak reading recorded also on the report.

The EUT setup configurations please refer to the photo of test configuration in item.

2.2 Operation mode

The EUT was supplied by adapter with 120Vac, 60Hz and it was run in TX mode that was controlled by "ART" program.

The EUT was transmitted continuously during the test.

With individual verifying, the maximum output power was found at 6 Mbps data rate for 802.11a mode, 6.5 Mbps data rate for 802.11n(HT 20) mode, 13.5 Mbps data rate for 802.11n(HT 40) mode . The final tests were executed under these conditions and recorded in this report individually.

802.11a ch40	Chain A	802.11a ch60	Chain A	802.11a ch116	Chain A
Data rate(Mbps)	PK(dB)	Data rate(Mbps)	PK(dB)	Data rate(Mbps)	PK(dB)
6	13.16	6	18.65	6	18.24
9	12.89	9	18.61	9	18.11
12	12.37	12	18.54	12	18.04
18	12.07	18	18.41	18	17.91
24	11.97	24	18.29	24	17.79
36	11.42	36	18.21	36	17.74
48	11.07	48	18.03	48	17.63
54	10.98	54	17.98	54	17.51
802.11n(HT20) ch40	Chain A	802.11n(HT20) ch60	Chain A	802.11n(HT20) ch116	Chain A
Data rate(Mbps)	PK(dB)	Data rate(Mbps)	PK(dB)	Data rate(Mbps)	PK(dB)
6.5	13.16	6.5	18.41	6.5	18.34
13	12.89	13	18.33	13	18.23
19.5	12.67	19.5	18.2	19.5	18.19
26	12.44	26	18.09	26	18.09
39	12.07	39	17.93	39	17.95
52	11.87	52	17.89	52	17.79
58.5	11.56	58.5	17.71	58.5	17.71
65	11.07	65	17.62	65	17.62
802.11n(HT40) ch38	Chain A	802.11n(HT40) ch62	Chain A	802.11n(HT40) ch110	Chain A
Data rate(Mbps)	PK(dB)	Data rate(Mbps)	PK(dB)	Data rate(Mbps)	PK(dB)
13.5	12.85	13.5	18.98	13.5	18.46
27	12.09	27	18.93	27	18.37
40.5	11.87	40.5	18.81	40.5	18.33
54	11.57	54	18.74	54	18.20
81	11.37	81	18.66	81	18.04
108	11.09	108	18.57	108	17.97
121.5	10.97	121.5	18.46	121.5	17.90
135	10.89	135	18.33	135	17.80

Table for Parameters of Test Software Setting

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Antenna 1: C5060-510002-A

Power Parameters of 802.11a/n

Test Software Version	ART (dBm)		
Frequency	5180 MHz	5200 MHz	5240 MHz
	4.0	4.5	5.0
	5260 MHz	5300 MHz	5320 MHz
802.11a	12.0	12.0	11.5
	5500 MHz	5580 MHz	5700 MHz
	12.0	13.0	13.5
	5180 MHz	5200 MHz	5240 MHz
	4.0	4.5	5.0
802.11n(HT20)	5260 MHz	5300 MHz	5320 MHz
	12.0	12.0	11.5
	5500 MHz	5580 MHz	5700 MHz
	12.0	12.5	13.0
	5190 MHz	5230 MHz	-
	2.0	2.5	-
802.11n(HT40)	5240 MHz	5310 MHz	-
	10.0	10.0	-
	5510 MHz	5550 MHz	5670 MHz
	10.0	10.0	11.0

Antenna 2: 3CWE591+Antenna cable A: 3CWE580

Power Parameters of 802.11a/n

Test Software Version	ART (dBm)		
Frequency	5180 MHz	5200 MHz	5240 MHz
802.11a	2.5	3.0	3.5
	5260 MHz	5300 MHz	5320 MHz
	10.0	10.0	9.5
	5500 MHz	5580 MHz	5700 MHz
	10.0	11.0	12.0
802.11n(HT20)	5180 MHz	5200 MHz	5240 MHz
	2.5	3.0	3.5
	5260 MHz	5300 MHz	5320 MHz
	10.0	10.0	9.5
	5500 MHz	5580 MHz	5700 MHz
	10.0	11.0	12.0
802.11n(HT40)	5190 MHz	5230 MHz	-
	0.5	1.0	-
	5240 MHz	5310 MHz	-
	7.0	7.0	-
	5510 MHz	5550 MHz	5670 MHz
	6.5	7.0	8.0

Antenna 3: 3CWE596+ Antenna cable A: 3CWE580

Power Parameters of 802.11a/n

Test Software Version	ART (dBm)		
Frequency	5260 MHz	5300 MHz	5320 MHz
802.11a	0.5	0	0
	5500 MHz	5580 MHz	5700 MHz
	0.5	1.0	1.5
802.11n(HT20)	5260 MHz	5300 MHz	5320 MHz
	0.5	0	0
	5500 MHz	5580 MHz	5700 MHz
	0.5	1.0	1.5
802.11n(HT40)	5240 MHz	5310 MHz	-
	0	0	-
	5510 MHz	5550 MHz	5670 MHz
	0	0	0

Antenna 4: 3CWE598+ Antenna cable A: 3CWE580

Power Parameters of 802.11a/n

Test Software Version	ART (dBm)		
Frequency	5180 MHz	5200 MHz	5240 MHz
802.11a	2.0	2.5	3.0
	5260 MHz	5300 MHz	5320 MHz
	10.0	9.0	9.0
	5500 MHz	5580 MHz	5700 MHz
	10.0	10.5	11.0
802.11n(HT20)	5180 MHz	5200 MHz	5240 MHz
	2.0	2.5	3.5
	5260 MHz	5300 MHz	5320 MHz
	10.0	10.0	9.0
	5500 MHz	5580 MHz	5700 MHz
	10.0	10.5	11.0
802.11n(HT40)	5190 MHz	5230 MHz	-
	0.5	1.0	-
	5240 MHz	5310 MHz	-
	6.0	6.0	-
	5510 MHz	5550 MHz	5670 MHz
	6.5	7.0	8.0

Antenna 5: MCM2458PTRPSM
Power Parameters of 802.11a/n

Test Software Version	ART (dBm)		
Frequency	5180 MHz	5200 MHz	5240 MHz
802.11a	4.0	4.5	5.0
	5260 MHz	5300 MHz	5320 MHz
	12.0	12.0	11.5
	5500 MHz	5580 MHz	5700 MHz
	12.0	13.0	13.5
802.11n(HT20)	5180 MHz	5200 MHz	5240 MHz
	4.0	4.5	5.0
	5260 MHz	5300 MHz	5320 MHz
	12.0	12.0	11.5
	5500 MHz	5580 MHz	5700 MHz
	12.0	13.0	13.5
802.11n(HT40)	5190 MHz	5230 MHz	-
	2.0	2.5	-
	5240 MHz	5310 MHz	-
	10.0	10.0	-
	5510 MHz	5550 MHz	5670 MHz
	10.0	10.5	11.0

Antenna 6: TQJ-24/58MICX6

Power Parameters of 802.11a/n

Test Software Version	ART (dBm)		
Frequency	5180 MHz	5200 MHz	5240 MHz
802.11a	4.0	4.5	5.0
	5260 MHz	5300 MHz	5320 MHz
	12.0	12.0	11.5
	5500 MHz	5580 MHz	5700 MHz
	12.0	13.0	13.5
802.11n(HT20)	5180 MHz	5200 MHz	5240 MHz
	4.0	4.5	5.0
	5260 MHz	5300 MHz	5320 MHz
	12.0	12.0	11.5
	5500 MHz	5580 MHz	5700 MHz
	12.0	13.0	13.5
802.11n(HT40)	5190 MHz	5230 MHz	-
	2.0	2.5	-
	5240 MHz	5310 MHz	-
	10.0	10.0	-
	5510 MHz	5550 MHz	5670 MHz
	10.0	10.5	11.0

Antenna 7: TQJ-2458MIKX3

Power Parameters of 802.11a/n

Test Software Version	ART (dBm)		
Frequency	5180 MHz	5200 MHz	5240 MHz
802.11a	4.0	4.5	5.0
	5260 MHz	5300 MHz	5320 MHz
	12.0	12.0	11.5
	5500 MHz	5580 MHz	5700 MHz
	12.0	13.0	13.5
802.11n(HT20)	5180 MHz	5200 MHz	5240 MHz
	4.0	4.5	5.0
	5260 MHz	5300 MHz	5320 MHz
	12.0	12.0	11.5
	5500 MHz	5580 MHz	5700 MHz
	12.0	13.0	13.5
802.11n(HT40)	5190 MHz	5230 MHz	-
	2.0	2.5	-
	5240 MHz	5310 MHz	-
	10.0	10.0	-
	5510 MHz	5550 MHz	5670 MHz
	10.0	10.5	11.0

3. Peak Output Power test (FCC 15.407)

3.1 Operating environment

Temperature:	25	℃
Relative Humidity:	50	%
Atmospheric Pressure:	1023	hPa

3.2 Test setup & procedure

Method of Measurement:

The power output per FCC §15.407(a) was measured on the EUT using a 50 ohm SMA cable connected to wideband peak power meter via power sensor which the video bandwidth can be up to 65MHz. Power was read directly and cable loss correction (2.0dB) was added to the reading to obtain power at the EUT antenna terminals.

3.3 Limit

Operating Frequency (MHz)	Output power limit
5150~5250	< 50 mW (17 dBm) or 4 dBm+10 log B
5250~5350, 5470~5725	< 250 mW (24 dBm) or 11 dBm+10 log B
5725~5825	< 1 W (30 dBm) or 17 dBm+10 log B

Remark: where B is the –26 dB emission bandwidth in MHz.

3.3 Measured data of Maximum Output Power test results

Antenna 1 : **C5060-510002-A** **(Worst case)**

3Tx

Mode	Channel	Data Rate (Mbps)	Output Power (dBm)			Total Power (PK)		Limit (dBm)
			Chain A	Chain B	Chain C			
			PK	PK	PK	mW	dBm	
802.11a	36	6	13.14	10.73	11.18	45.56	16.59	17
	40		13.16	10.59	11.35	45.80	16.61	17
	48		13.16	10.67	11.35	46.02	16.63	17
	52		18.46	18.2	18.57	208.16	23.18	24
	60		18.65	18.42	18.84	219.34	23.41	24
	64		18.61	18.62	18.51	216.35	23.35	24
	100		18.75	17.65	19.42	220.70	23.44	24
	116		18.24	18.08	18.24	197.63	22.96	24
	140		18.76	17.85	19.03	216.10	23.35	24
802.11n (HT20)	36	6.5	13.03	10.69	11.21	45.03	16.53	17
	40		13.16	10.76	11.48	46.67	16.69	17
	48		12.99	10.63	11.42	45.34	16.56	17
	52		18.02	18.11	18.48	198.57	22.98	24
	60		18.41	18.21	18.82	211.77	23.26	24
	64		18.62	18.56	18.69	218.52	23.39	24
	100		18.74	17.68	19.47	221.94	23.46	24
	116		18.34	18.23	18.19	200.68	23.03	24
	140		18.61	18.06	18.87	213.67	23.30	24
802.11n (HT40)	38	13.5	12.85	10.39	11.17	43.31	16.37	17
	46		12.73	10.89	11.28	44.45	16.48	17
	54		18.85	18.92	19.18	237.51	23.76	24
	62		18.98	19.02	19.34	244.77	23.89	24
	102		18.55	18.10	19.17	218.78	23.40	24
	110		18.46	18.65	18.38	212.29	23.27	24
	134		18.83	18.56	18.18	213.93	23.30	24

Antenna 2：3CWE591

3Tx

Mode	Channel	Data Rate (Mbps)	Output Power (dBm)			Total Power (PK)		Limit (dBm)
			Chain A	Chain B	Chain C			
			PK	PK	PK	mW	dBm	
802.11a	36	6	10.06	9.76	9.37	28.25	14.51	15
	40		10.22	9.35	9.66	28.38	14.53	15
	48		10.24	9.42	10.33	30.11	14.79	15
	52		16.49	16.24	16.42	130.49	21.16	22
	60		16.62	16.59	16.52	136.40	21.35	22
	64		16.98	16.69	16.38	140.01	21.46	22
	100		16.85	15.55	17.32	138.26	21.41	22
	116		16.68	16.59	16.57	137.56	21.38	22
	140		17.19	16.47	16.65	142.96	21.55	22
802.11n (HT20)	36	6.5	10.17	9.82	9.46	28.82	14.60	15
	40		10.14	9.18	9.78	28.11	14.49	15
	48		10.13	9.21	10.48	29.81	14.74	15
	52		16.39	16.75	16.42	134.72	21.29	22
	60		16.76	16.67	16.64	140.01	21.46	22
	64		16.89	16.83	16.48	141.52	21.51	22
	100		16.81	15.33	17.38	136.79	21.36	22
	116		16.49	16.54	16.38	133.10	21.24	22
	140		17.15	16.32	16.68	141.29	21.50	22
802.11n (HT40)	38	13.5	9.32	9.57	9.67	26.88	14.29	15
	46		8.43	9.74	10.59	27.84	14.45	15
	54		16.68	16.33	16.64	135.64	21.32	22
	62		16.85	16.73	16.77	143.05	21.55	22
	102		16.24	15.36	17.12	127.95	21.07	22
	110		16.35	16.18	16.86	133.18	21.24	22
	134		16.37	16.48	16.37	131.17	21.18	22

Antenna 3 ： **3CWE596**

2Tx

Mode	Channel	Data Rate (Mbps)	Output Power (dBm)		Total Power (PK)		Limit (dBm)
			Chain A	Chain B			
			PK	PK	mW	dBm	
802.11a	52	6	6.67	6.45	9.06	9.57	10
	60		3.81	3.55	4.67	6.69	10
	64		6.02	5.13	7.26	8.61	10
	100		7.95	4.43	9.01	9.55	10
	116		6.86	5.89	8.73	9.41	10
	140		6.21	5.73	7.92	8.99	10
802.11n (HT20)	52	6.5	6.49	6.61	9.04	9.56	10
	60		3.93	3.84	4.89	6.90	10
	64		6.23	4.92	7.30	8.63	10
	100		8.03	3.88	8.80	9.44	10
	116		6.67	6.09	8.71	9.40	10
	140		5.89	5.9	7.77	8.91	10
802.11n (HT40)	54	13.5	7.03	6.73	9.76	9.89	10
	62		6.91	6.87	9.77	9.90	10
	102		7.46	5.97	9.53	9.79	10
	110		7.08	6.67	9.75	9.89	10
	134		6.80	6.91	9.70	9.87	10

Antenna 4： **3CWE598**

2Tx

Mode	Channel	Data Rate (Mbps)	Output Power (dBm)		Total Power (PK)		Limit (dBm)
			Chain A	Chain B			
			PK	PK	mW	dBm	
802.11a	36	6	9.45	9.37	17.46	12.42	13
	40		9.51	8.91	16.71	12.23	13
	48		9.81	9.27	18.02	12.56	13
	52		16.69	17.01	96.90	19.86	20
	60		16.54	16.13	86.10	19.35	20
	64		16.59	16.32	88.46	19.47	20
	100		16.76	15.51	82.99	19.19	20
	116		16.24	15.96	81.52	19.11	20
	140		16.19	15.91	80.59	19.06	20
802.11n (HT20)	36	6.5	9.37	9.13	16.83	12.26	13
	40		9.05	8.64	15.35	11.86	13
	48		10.09	9.06	18.26	12.62	13
	52		16.8	16.75	95.18	19.79	20
	60		16.18	15.81	79.60	19.01	20
	64		16.27	16.26	84.63	19.28	20
	100		16.99	15.57	86.06	19.35	20
	116		16.31	16.08	83.31	19.21	20
	140		16.78	15.78	85.49	19.32	20
802.11n (HT40)	38	13.5	9.75	9.37	18.09	12.57	13
	46		9.22	9.38	17.03	12.31	13
	54		16.14	15.57	77.17	18.87	20
	62		16.54	15.63	81.64	19.12	20
	102		16.03	15.26	73.66	18.67	20
	110		16.21	15.76	79.45	19.00	20
	134		16.35	16.64	89.28	19.51	20

Antenna 5： **MCM2458PTRPSM**

3Tx

Mode	Channel	Data Rate (Mbps)	Output Power (dBm)			Total Power (PK)		Limit (dBm)
			Chain A	Chain B	Chain C			
			PK	PK	PK	mW	dBm	
802.11a	36	6	11.78	10.82	10.92	39.50	15.97	17
	40		11.91	10.53	11.37	40.53	16.08	17
	48		12.05	11.13	11.83	44.24	16.46	17
	52		18.46	18.2	18.57	208.16	23.18	24
	60		18.65	18.42	18.84	219.34	23.41	24
	64		18.61	18.62	18.51	216.35	23.35	24
	100		18.75	17.65	19.42	220.70	23.44	24
	116		18.46	18.08	18.23	200.94	23.03	24
	140		18.76	17.85	19.03	216.10	23.35	24
802.11n (HT20)	36	6.5	11.88	10.81	10.84	39.60	15.98	17
	40		11.74	10.65	11.36	40.22	16.04	17
	48		12.33	11.23	11.84	45.65	16.59	17
	52		18.02	18.11	18.48	198.57	22.98	24
	60		18.41	18.21	18.82	211.77	23.26	24
	64		18.62	18.56	18.69	218.52	23.39	24
	100		18.74	17.68	19.47	221.94	23.46	24
	116		18.34	18.08	18.33	200.58	23.02	24
	140		18.61	18.06	18.87	213.67	23.30	24
802.11n (HT40)	38	13.5	11.85	11.07	12.01	43.99	16.43	17
	46		11.92	11.08	12.53	46.29	16.65	17
	54		18.85	18.92	19.18	237.51	23.76	24
	62		18.98	19.02	19.34	244.77	23.89	24
	102		18.55	18.10	19.17	218.78	23.40	24
	110		18.27	18.64	18.38	209.12	23.20	24
	134		18.83	18.56	18.18	213.93	23.30	24

Antenna 6：　　**TQJ-24/58MICX6**

3Tx

Mode	Channel	Data Rate (Mbps)	Output Power (dBm)			Total Power (PK)		Limit (dBm)
			Chain A	Chain B	Chain C			
			PK	PK	PK	mW	dBm	
802.11a	36	6	11.78	10.82	10.92	39.50	15.97	17
	40		11.91	10.53	11.37	40.53	16.08	17
	48		12.05	11.13	11.83	44.24	16.46	17
	52		18.46	18.2	18.57	208.16	23.18	24
	60		18.65	18.42	18.84	219.34	23.41	24
	64		18.61	18.62	18.51	216.35	23.35	24
	100		18.75	17.65	19.42	220.70	23.44	24
	116		18.46	18.08	18.23	200.94	23.03	24
	140		18.76	17.85	19.03	216.10	23.35	24
802.11n (HT20)	36	6.5	11.88	10.81	10.84	39.60	15.98	17
	40		11.74	10.65	11.36	40.22	16.04	17
	48		12.33	11.23	11.84	45.65	16.59	17
	52		18.02	18.11	18.48	198.57	22.98	24
	60		18.41	18.21	18.82	211.77	23.26	24
	64		18.62	18.56	18.69	218.52	23.39	24
	100		18.74	17.68	19.47	221.94	23.46	24
	116		18.34	18.08	18.33	200.58	23.02	24
	140		18.61	18.06	18.87	213.67	23.30	24
802.11n (HT40)	38	13.5	11.85	11.07	12.01	43.99	16.43	17
	46		11.92	11.08	12.53	46.29	16.65	17
	54		18.85	18.92	19.18	237.51	23.76	24
	62		18.98	19.02	19.34	244.77	23.89	24
	102		18.55	18.10	19.17	218.78	23.40	24
	110		18.27	18.64	18.38	209.12	23.20	24
	134		18.83	18.56	18.18	213.93	23.30	24

Antenna 7： **TQJ-2458MIKX3**

3Tx

Mode	Channel	Data Rate (Mbps)	Output Power (dBm)			Total Power (PK)		Limit (dBm)
			Chain A	Chain B	Chain C			
			PK	PK	PK	mW	dBm	
802.11a	36	6	11.78	10.82	10.92	39.50	15.97	17
	40		11.91	10.53	11.37	40.53	16.08	17
	48		12.05	11.13	11.83	44.24	16.46	17
	52		18.46	18.20	18.57	208.16	23.18	24
	60		18.65	18.42	18.84	219.34	23.41	24
	64		18.61	18.62	18.51	216.35	23.35	24
	100		18.75	17.65	19.42	220.70	23.44	24
	116		18.46	18.08	18.23	200.94	23.03	24
	140		18.76	17.85	19.03	216.10	23.35	24
802.11n (HT20)	36	6.5	11.88	10.81	10.84	39.60	15.98	17
	40		11.74	10.65	11.36	40.22	16.04	17
	48		12.33	11.23	11.84	45.65	16.59	17
	52		18.02	18.11	18.48	198.57	22.98	24
	60		18.41	18.21	18.82	211.77	23.26	24
	64		18.62	18.56	18.69	218.52	23.39	24
	100		18.74	17.68	19.47	221.94	23.46	24
	116		18.34	18.08	18.33	200.58	23.02	24
	140		18.61	18.06	18.87	213.67	23.30	24
802.11n (HT40)	38	13.5	11.85	11.07	12.01	43.99	16.43	17
	46		11.92	11.08	12.53	46.29	16.65	17
	54		18.85	18.92	19.18	237.51	23.76	24
	62		18.98	19.02	19.34	244.77	23.89	24
	102		18.55	18.10	19.17	218.78	23.40	24
	110		18.27	18.64	18.38	209.12	23.20	24
	134		18.83	18.56	18.18	213.93	23.30	24

Please see the plots as next page.

Antenna 1： **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11a mode channel 36

Ref Lvl	Marker 1 [T1 ndB]	RBW 300 kHz	RF Att 0 dB	
2 dBm	ndB 26.00 dB	VBW 1 MHz		
	BW 22.52505010 MHz	SWT 5 ms	Unit dBm	

```
12 dB Offset                          ▽1 [T1]        -5.55 dBm
                        1                            5.17523046 GHz
                       ▽                              ndB    26.00 dB
                                                     BW  22.52505010 MHz
                                                     ▽T1 [T1]      -31.73 dBm
                                                                   5.16873747 GHz
                                                     ▽T2 [T1]      -31.65 dBm
1VIEW                                                T2 5.19126253 GHz
```

Center 5.18 GHz   4 MHz/   Span 40 MHz
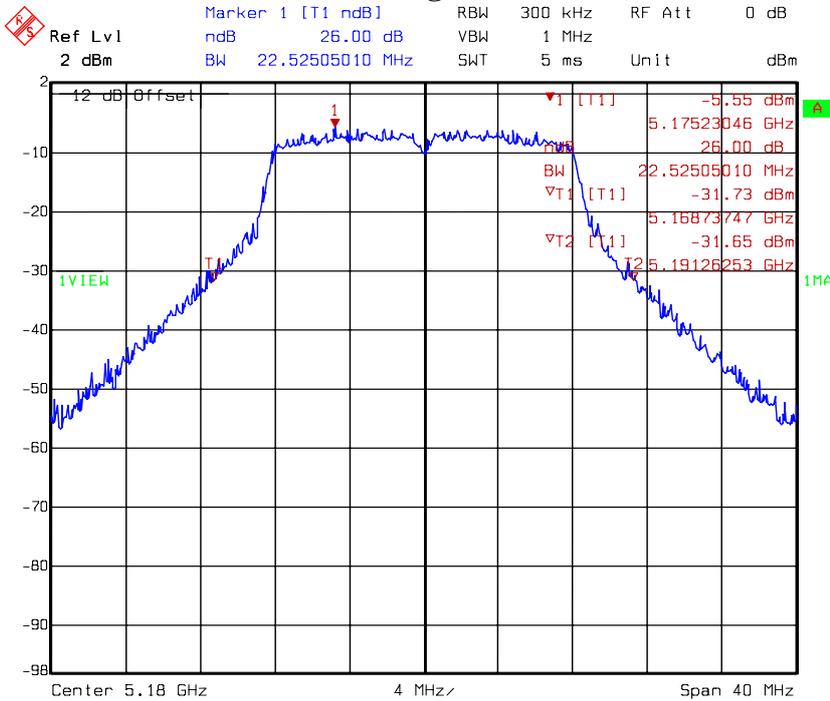
Title: 26dB Bandwidth
Comment A: CH 36 at 802.11a mode chainA
Date: 04.DEC.2008 11:04:23

Chain A: 26dB Bandwidth @ 802.11a mode channel 40


Ref Lvl	Marker 1 [T1 ndB]	RBW 300 kHz	RF Att 0 dB	
2 dBm	ndB 26.00 dB	VBW 1 MHz		
	BW 22.52505010 MHz	SWT 5 ms	Unit dBm	

```
12 dB Offset                          ▽1 [T1]        -5.15 dBm
                        1                            5.20100200 GHz
                       ▽                              ndB    26.00 dB
                                                     BW  22.52505010 MHz
                                                     ▽T1 [T1]      -32.66 dBm
                                                                   5.18865731 GHz
                                                     ▽T2 [T1]      -30.33 dBm
1VIEW                                                T2 5.21118236 GHz
```

Center 5.2 GHz   4 MHz/   Span 40 MHz
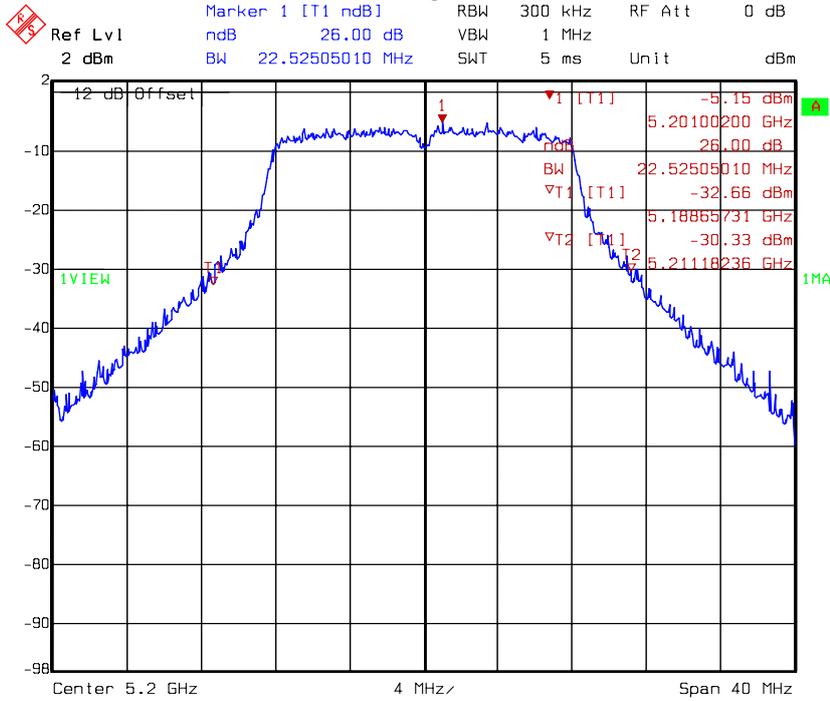
Title: 26dB Bandwidth
Comment A: CH 40 at 802.11a mode chainA
Date: 04.DEC.2008 11:03:09

Antenna 1：   **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11a mode channel 48


```
Marker 1 [T1 ndB]        RBW   300 kHz   RF Att   0 dB
Ref Lvl      ndB        26.00 dB    VBW   1 MHz
2 dBm       BW   22.68537074 MHz   SWT   5 ms    Unit    dBm
```
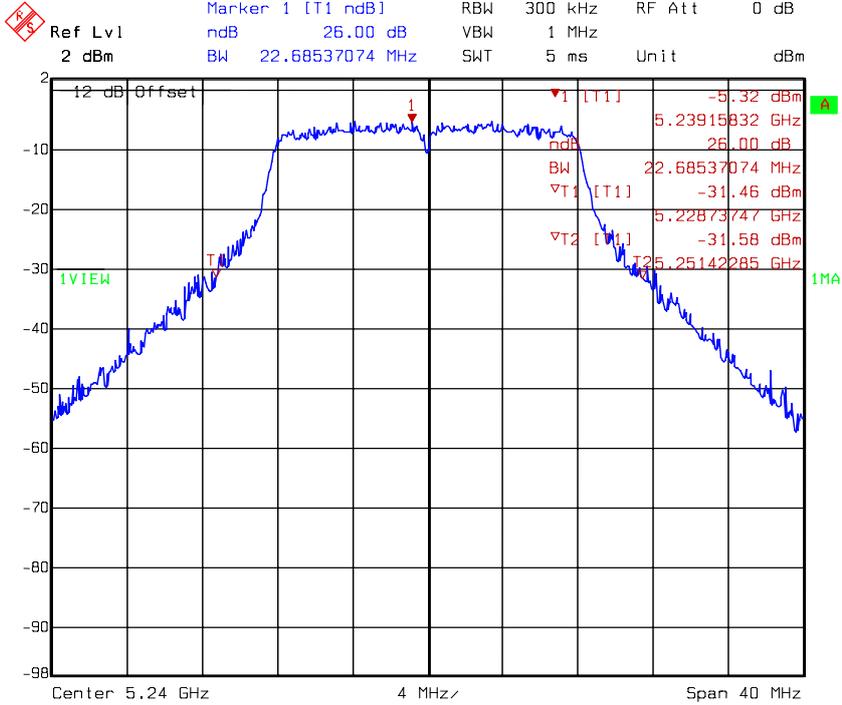
Title: 26dB Bandwidth
Comment A: CH 48 at 802.11a mode chainA
Date: 04.DEC.2008 11:01:38

Chain A: 26dB Bandwidth @ 802.11a mode channel 52


```
Marker 1 [T1 ndB]        RBW   300 kHz   RF Att   0 dB
Ref Lvl      ndB        26.00 dB    VBW   1 MHz
12 dBm      BW   22.60521042 MHz   SWT   5 ms    Unit    dBm
```
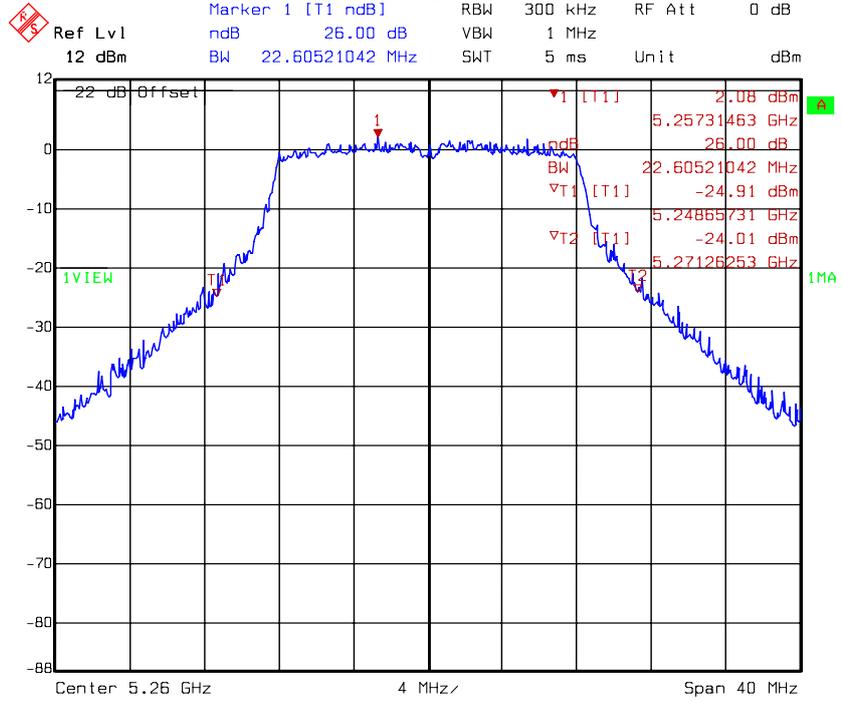
Title: 26dB Bandwidth
Comment A: CH 52 at 802.11a mode
Date: 10.APR.2009 16:23:22

Antenna 1： **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11a mode channel 60

Ref Lvl	Marker 1 [T1 ndB]		RBW	300 kHz	RF Att	0 dB
12 dBm	ndB	26.00 dB	VBW	1 MHz		
	BW	22.76553106 MHz	SWT	5 ms	Unit	dBm

22 dB Offset

▼1 [T1] 1.46 dBm
5.29795591 GHz
ndB 26.00 dB
BW 22.76553106 MHz
▽T1 [T1] -25.33 dBm
5.28849699 GHz
▽T2 [T1] -24.40 dBm
5.31126253 GHz

1VIEW 1MA

Center 5.3 GHz   4 MHz/   Span 40 MHz
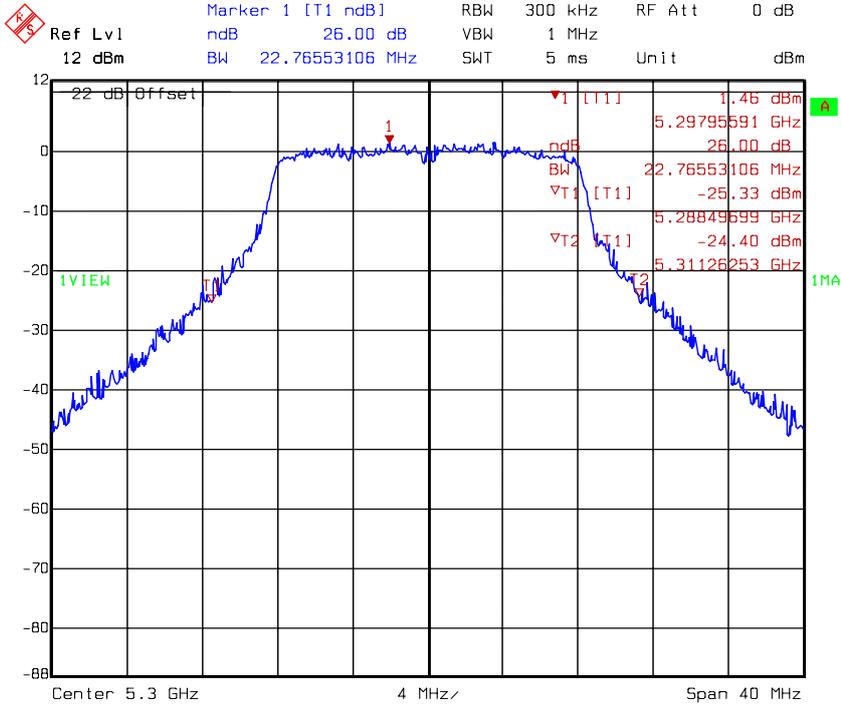
Title: 26dB Bandwidth
Comment A: CH 60 at 802.11a mode
Date: 10.APR.2009 16:26:36

Chain A: 26dB Bandwidth @ 802.11a mode channel 64
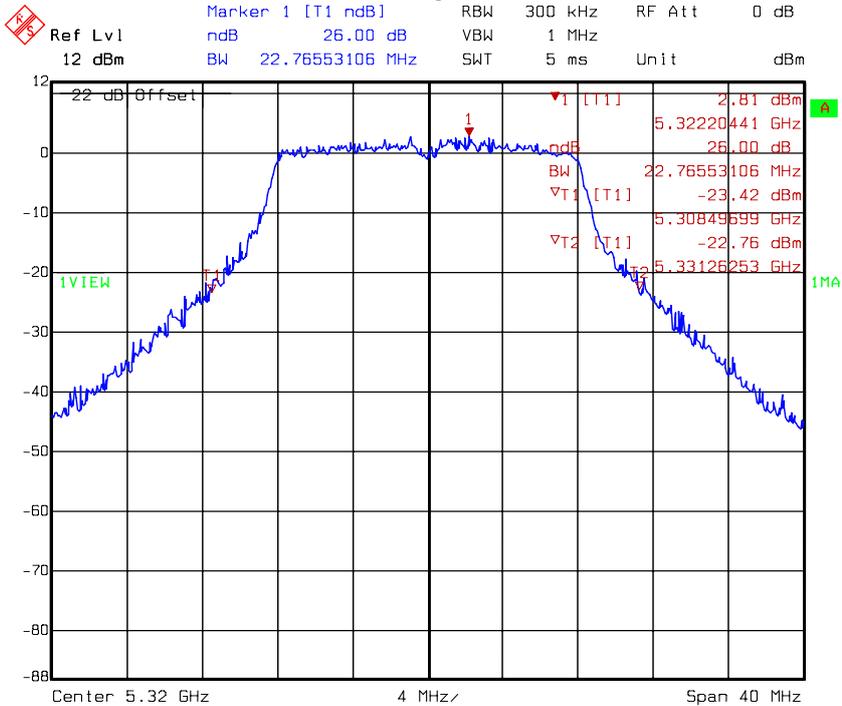
Ref Lvl	Marker 1 [T1 ndB]		RBW	300 kHz	RF Att	0 dB
12 dBm	ndB	26.00 dB	VBW	1 MHz		
	BW	22.76553106 MHz	SWT	5 ms	Unit	dBm

22 dB Offset

▼1 [T1] 2.81 dBm
5.32220441 GHz
ndB 26.00 dB
BW 22.76553106 MHz
▽T1 [T1] -23.42 dBm
5.30849699 GHz
▽T2 [T1] -22.76 dBm
5.33126253 GHz

1VIEW 1MA

Center 5.32 GHz   4 MHz/   Span 40 MHz

Title: 26dB Bandwidth
Comment A: CH 64 at 802.11a mode
Date: 10.APR.2009 16:29:26

Intertek

Antenna 1：　　　**C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11a mode channel 100

Marker 1 [T1 ndB]		RBW 300 kHz	RF Att 0 dB
Ref Lvl	ndB 26.00 dB	VBW 1 MHz	
12 dBm	BW 22.52505010 MHz	SWT 5 ms	Unit dBm

22 dB Offset

1VIEW

▼1 [T1]　　　2.84 dBm　5.50236473 GHz
ndB　26.00 dB
BW　22.52505010 MHz
▽T1 [T1]　−22.45 dBm　5.48889780 GHz
▽T2 [T1]　−25.08 dBm　5.51142285 GHz

Center 5.5 GHz　　4 MHz/　　Span 40 MHz
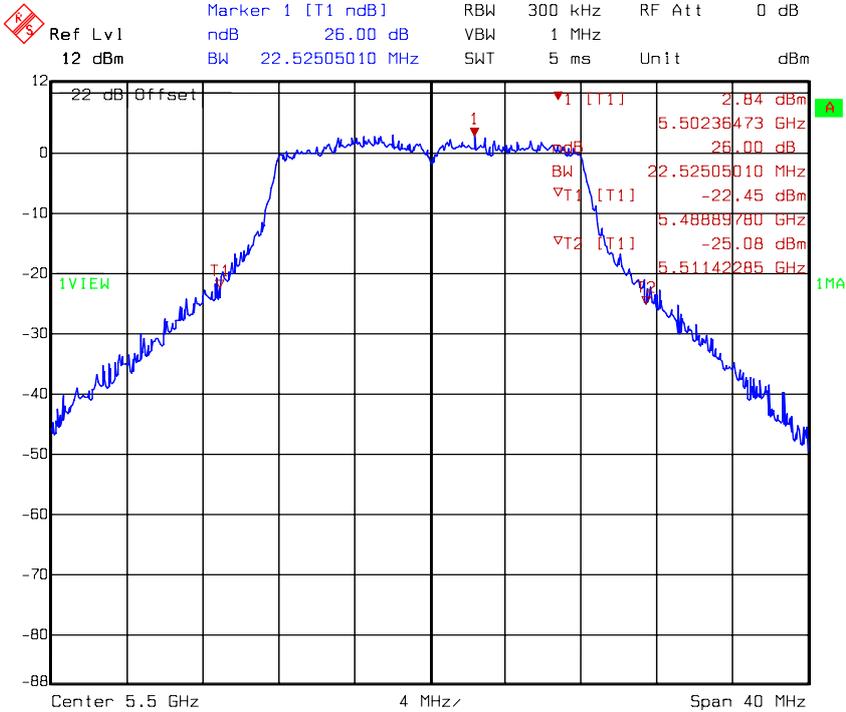
Title:　　26dB Bandwidth
Comment A: CH 100 at 802.11a mode
Date:　　10.APR.2009　16:32:36

Chain A: 26dB Bandwidth @ 802.11a mode channel 116

Marker 1 [T1 ndB]		RBW 300 kHz	RF Att 0 dB
Ref Lvl	ndB 26.00 dB	VBW 1 MHz	
11.5 dBm	BW 22.12424850 MHz	SWT 5 ms	Unit dBm

21.5 dB Offset

1VIEW

▼1 [T1]　　　3.42 dBm　5.57947896 GHz
ndB　26.00 dB
BW　22.12424850 MHz
▽T1 [T1]　−22.32 dBm　5.56897796 GHz
▽T2 [T1]　−22.89 dBm　5.59110220 GHz

Center 5.58 GHz　　4 MHz/　　Span 40 MHz
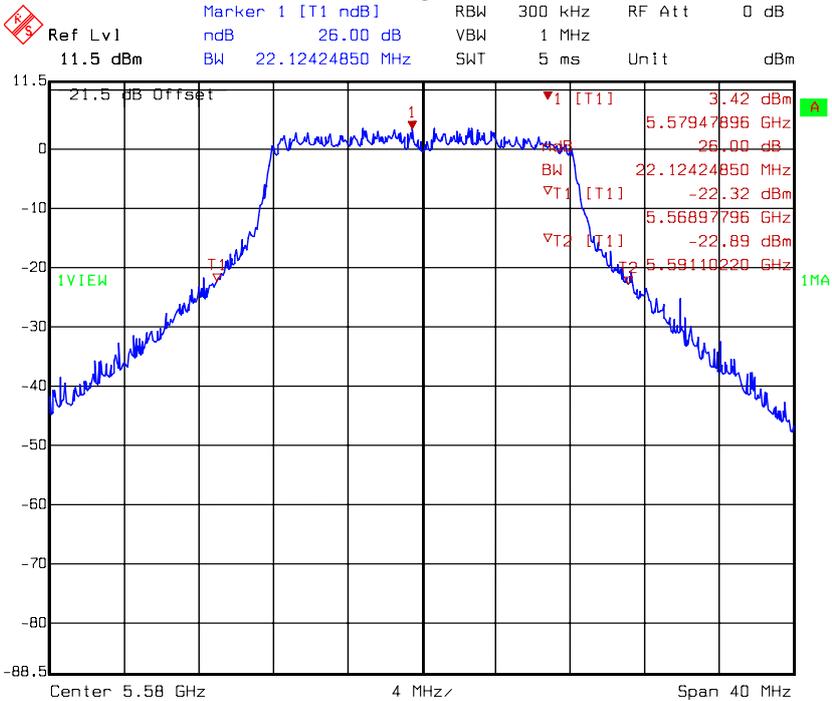
Title:　　26dB Bandwidth
Comment A: CH 116 at 802.11a mode chainA
Date:　　09.OCT.2009　16:17:48

Antenna 1： **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11a mode channel 140


```
          Marker 1 [T1 ndB]        RBW    300 kHz   RF Att      0 dB
Ref Lvl   ndB          26.00 dB    VBW    1 MHz
12 dBm    BW   22.52505010 MHz     SWT    5 ms      Unit        dBm
```

```
 12
     22 dB Offset                              ▼1 [T1]            3.26 dBm
                                                             5.70276553 GHz
                                                        ndB       26.00 dB
  0                                                     BW   22.52505010 MHz
                                                        ∇T1 [T1]      -23.03 dBm
-10                                                          5.68849699 GHz
                                                        ∇T2 [T1]      -23.67 dBm
-20                                                          5.71102204 GHz
 1VIEW                                                                    1MA
-30
-40
-50
-60
-70
-80
-88
      Center 5.7 GHz            4 MHz/                    Span 40 MHz
```
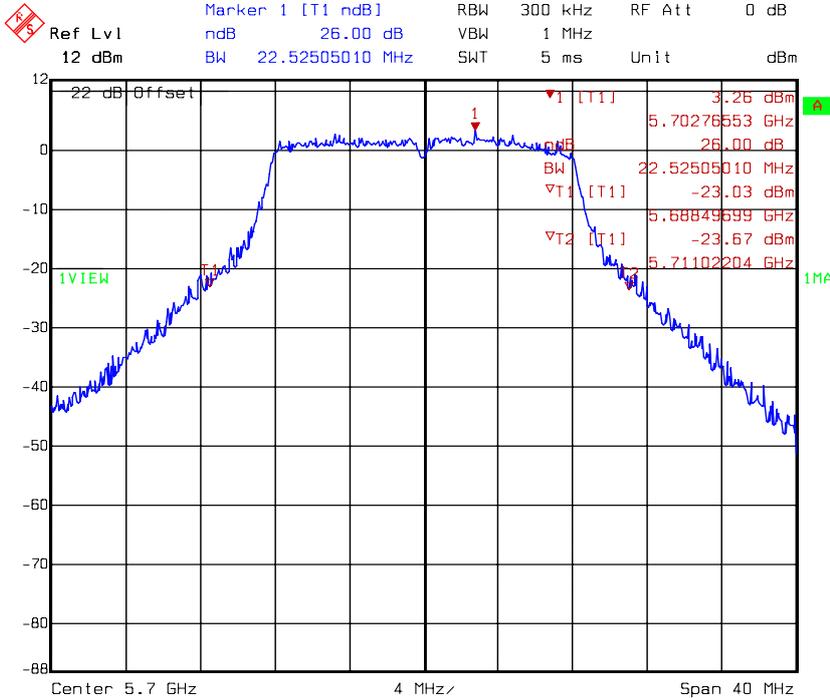
```
Title:     26dB Bandwidth
Comment A: CH 140 at 802.11a mode
Date:      10.APR.2009  16:37:52
```

Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 36


```
          Marker 1 [T1 ndB]        RBW    300 kHz   RF Att      0 dB
Ref Lvl   ndB          26.00 dB    VBW    1 MHz
 2 dBm    BW   23.00601202 MHz     SWT    5 ms      Unit        dBm
```

```
  2
     12 dB Offset                              ▼1 [T1]           -6.04 dBm
                                                             5.18541082 GHz
-10                                                     ndB       26.00 dB
                                                        BW   23.00601202 MHz
-20                                                     ∇T1 [T1]      -32.15 dBm
                                                             5.16857715 GHz
-30                                                     ∇T2 [T1]      -32.42 dBm
 1VIEW                                                       5.19158317 GHz  1MA
-40
-50
-60
-70
-80
-90
-98
      Center 5.18 GHz           4 MHz/                    Span 40 MHz
```
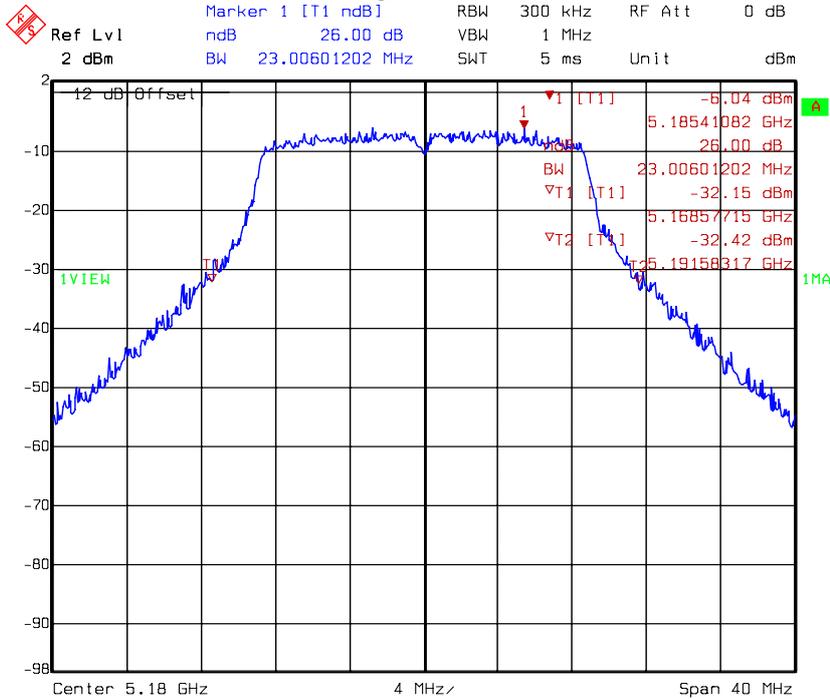
```
Title:     26dB Bandwidth
Comment A: 5.180G at 802.11n mode HT20 chainA
Date:      04.DEC.2008  11:20:15
```

Antenna 1： **C5060-510002-A**
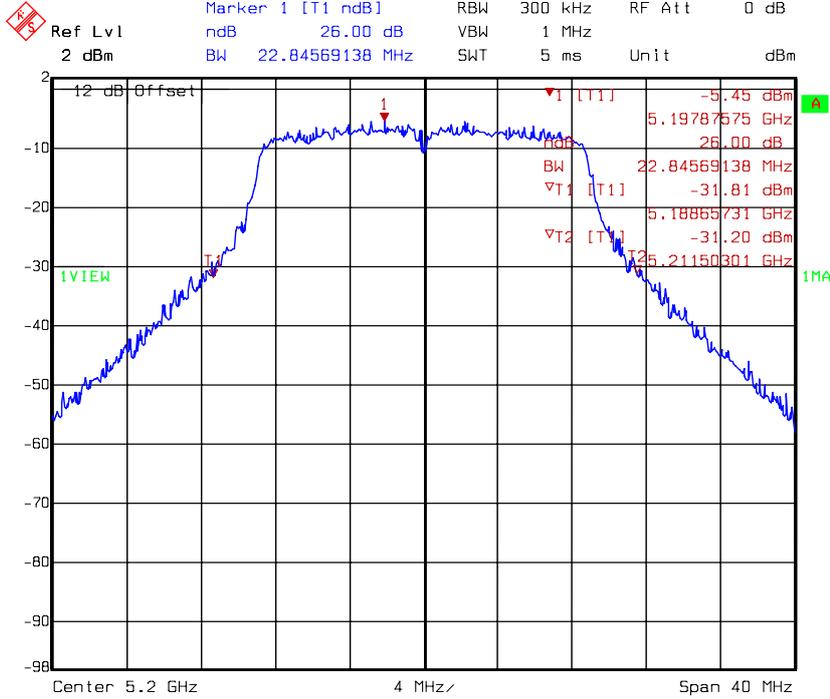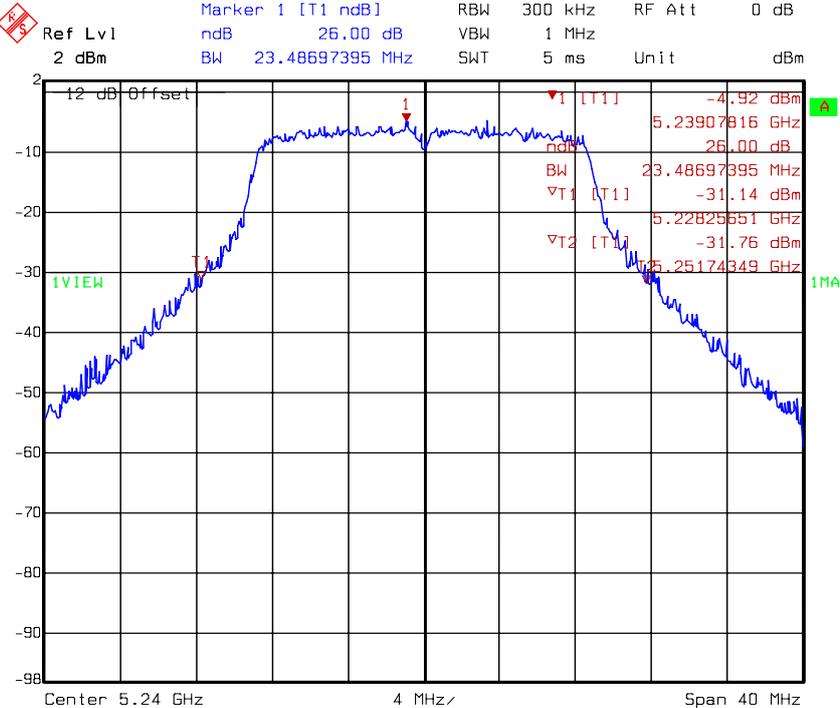
Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 40

Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 48

Antenna 1： **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 52
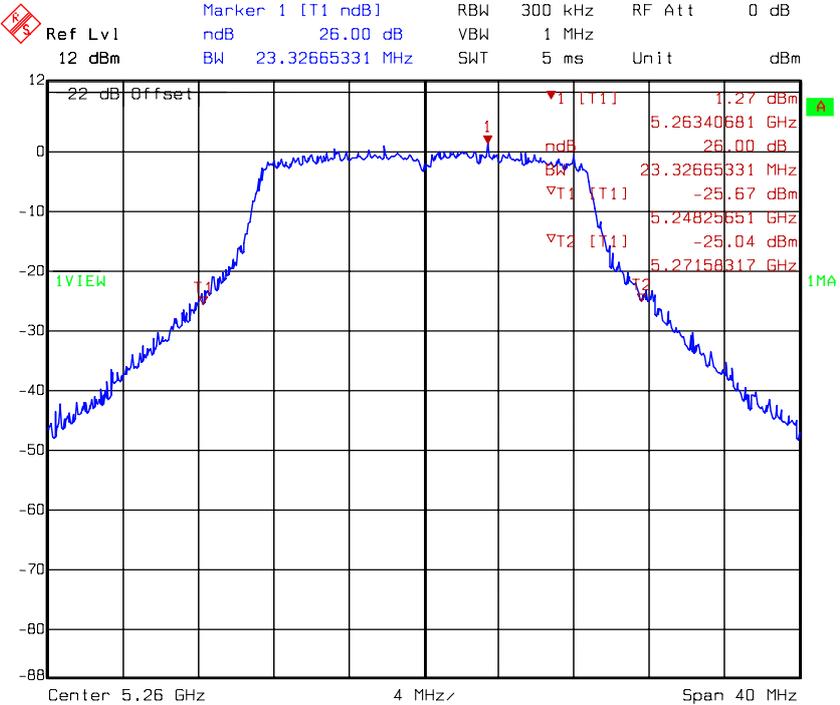

```
Title:      26dB Bandwidth
Comment A: CH 52 at 802.11a mode
Date:       10.APR.2009  16:46:00
```

Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 60
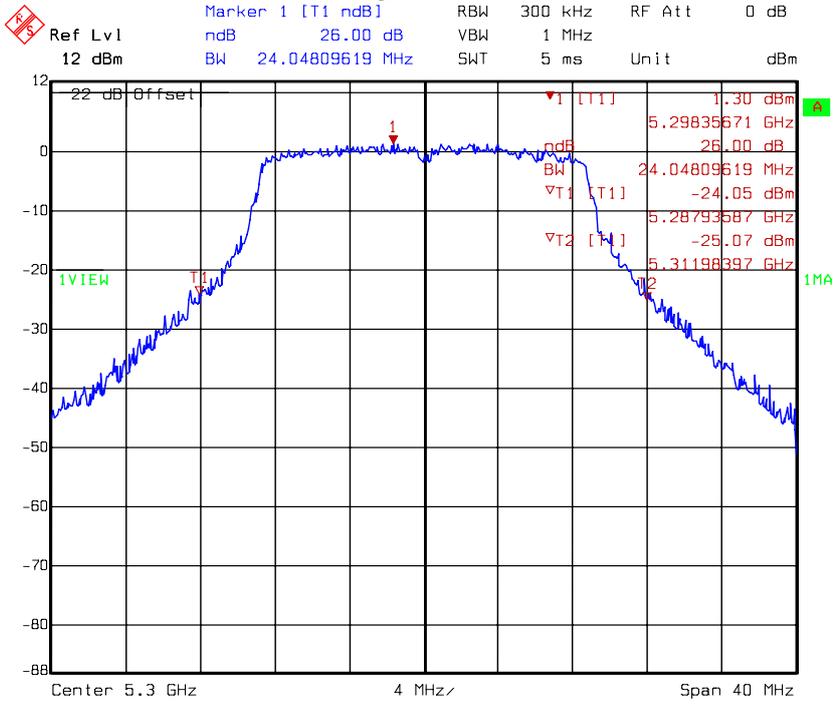

```
Title:      26dB Bandwidth
Comment A: CH 60 at 802.11a mode
Date:       10.APR.2009  16:48:27
```

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Antenna 1：   **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 64
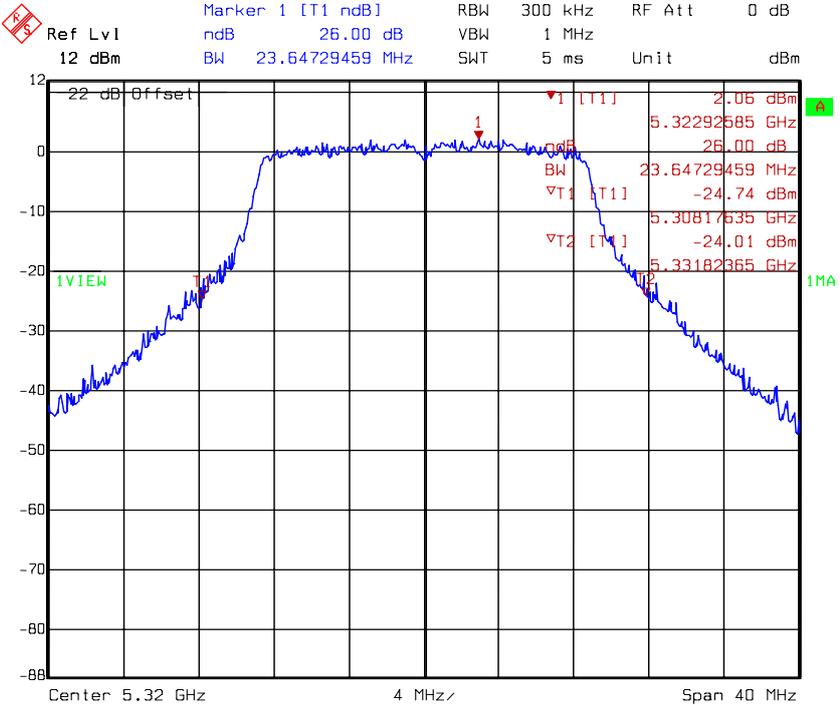

```
Title:      26dB Bandwidth
Comment A: CH 64 at 802.11a mode
Date:        10.APR.2009  16:51:09
```

### Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 100
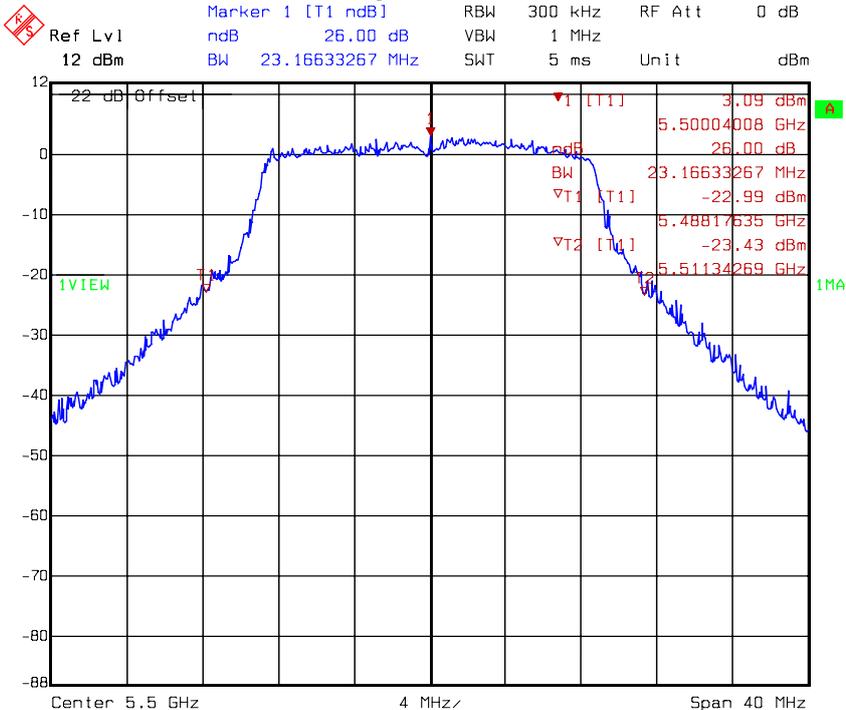

```
Title:      26dB Bandwidth
Comment A: CH 100 at 802.11a mode
Date:        10.APR.2009  16:53:56
```

Antenna 1：　　　**C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 116
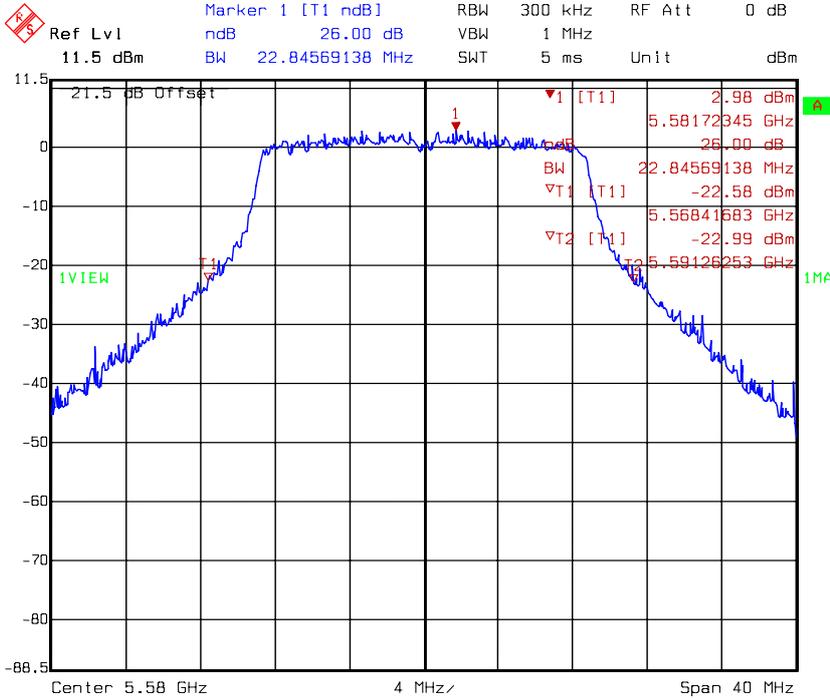
Title: 26dB Bandwidth
Comment A: 5.580G at 802.11n mode HT20 chainA
Date: 09.OCT.2009 16:24:27

Chain A: 26dB Bandwidth @ 802.11n (HT20) mode channel 140
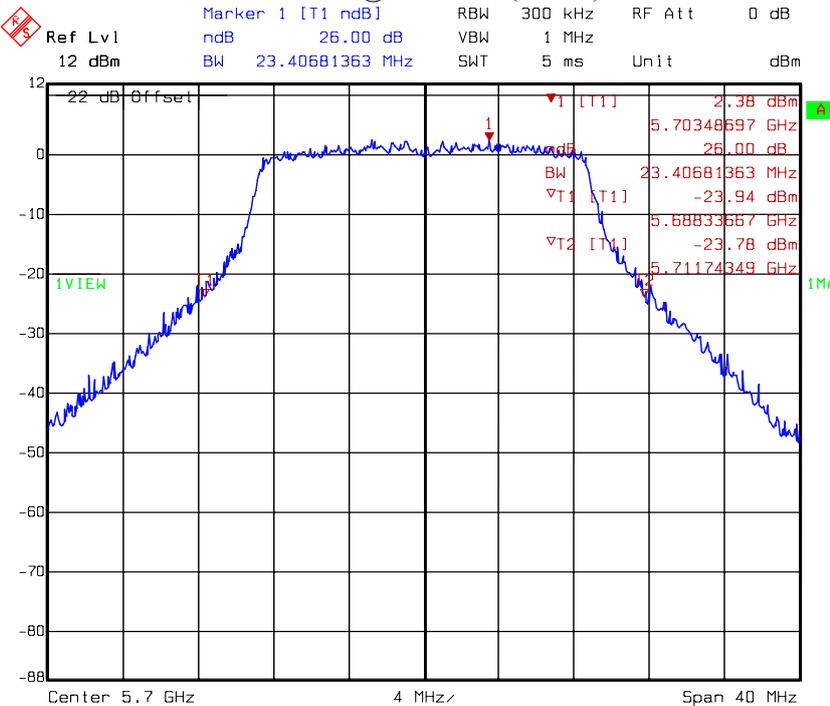
Title: 26dB Bandwidth
Comment A: CH 140 at 802.11a mode
Date: 10.APR.2009 17:00:01

Intertek

Antenna 1 ：   C5060-510002-A

Chain A: 26dB Bandwidth @ 802.11n (HT40) mode channel 38
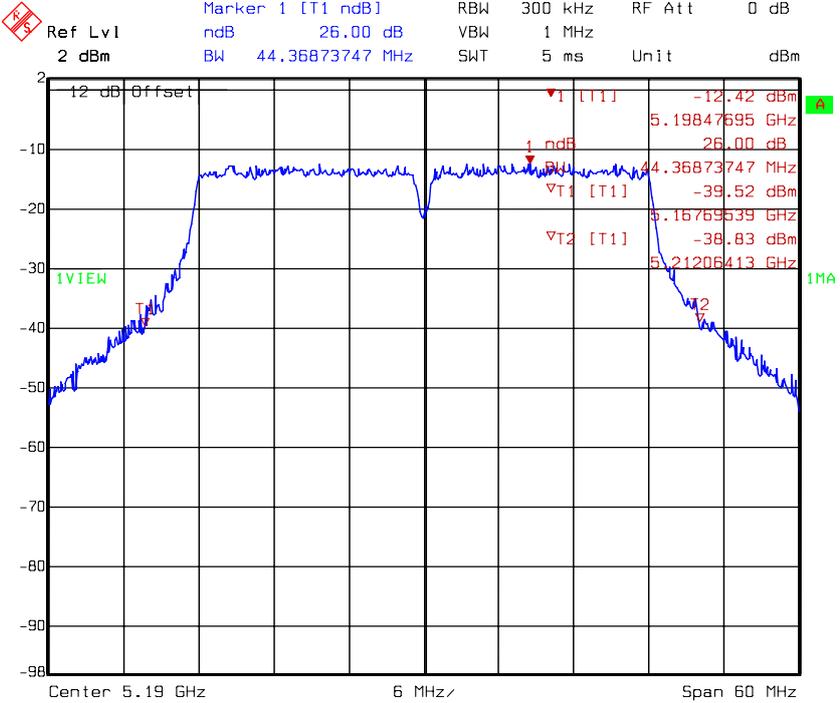
Title: 26dB Bandwidth
Comment A: 5.190G at 802.11n mode HT40 chainA
Date: 04.DEC.2008 11:37:24

Chain A: 26dB Bandwidth @ 802.11n (HT40) mode channel 46
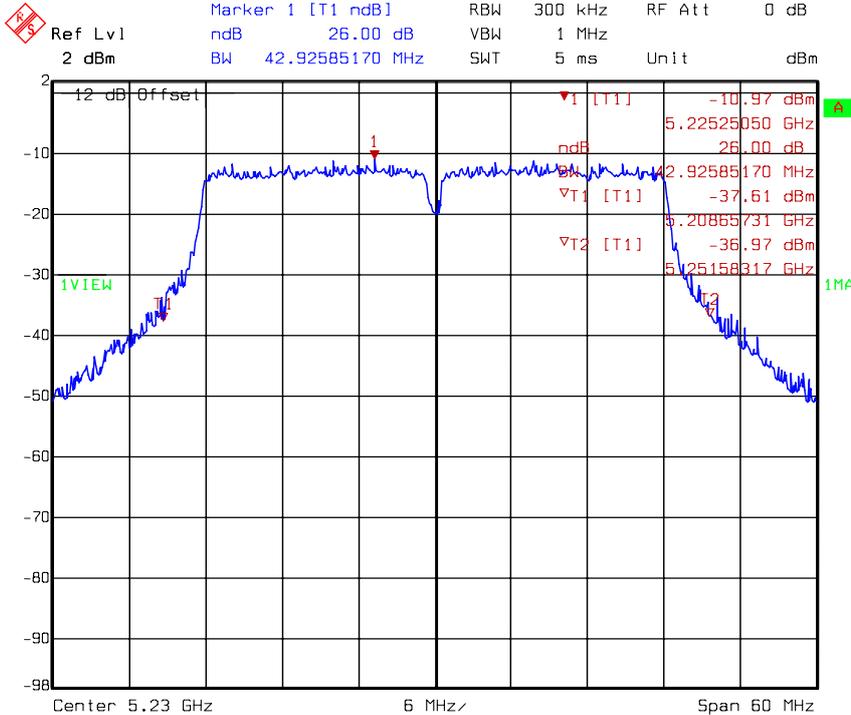
Title: 26dB Bandwidth
Comment A: 5.230G at 802.11n mode HT40 chainA
Date: 04.DEC.2008 11:43:08

Antenna 1： **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11n (HT40) mode channel 54
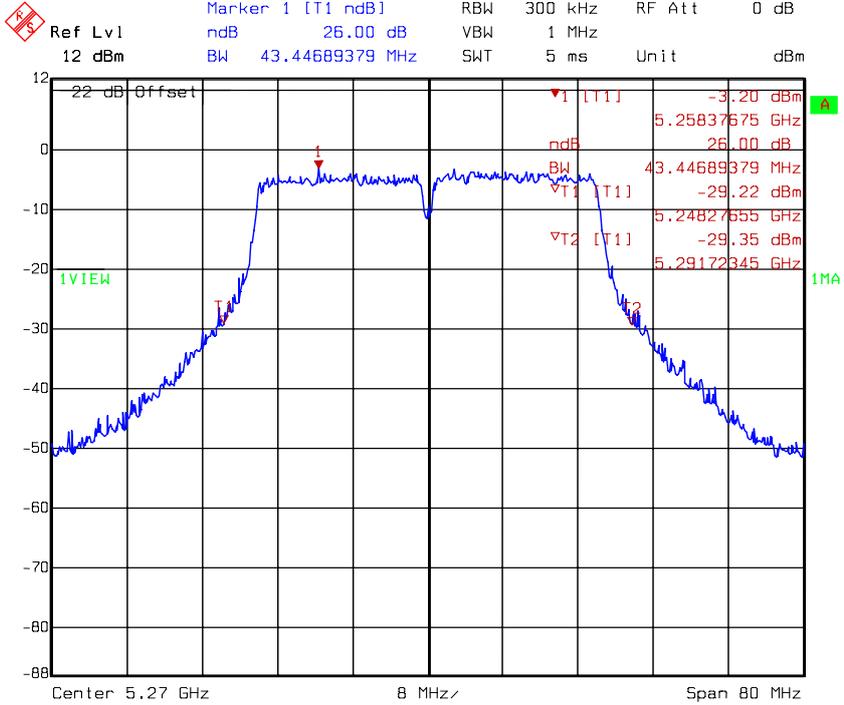
Title: 26dB Bandwidth
Comment A: CH 54 at 802.11a mode
Date: 10.APR.2009 17:06:20

Chain A: 26dB Bandwidth @ 802.11n (HT40) mode channel 62
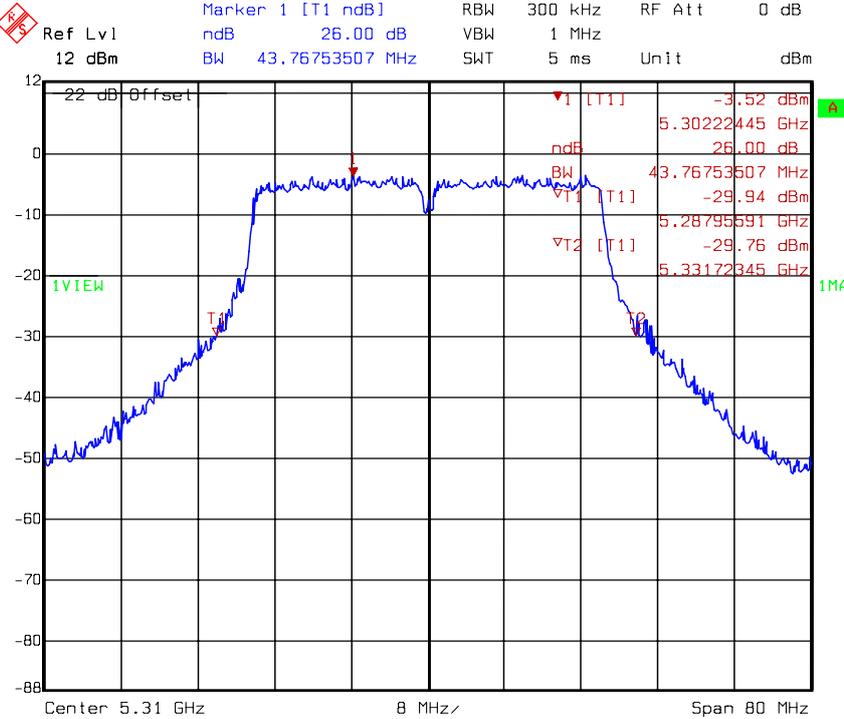
Title: 26dB Bandwidth
Comment A: CH 62 at 802.11a mode
Date: 10.APR.2009 17:09:05

Intertek

Antenna 1： **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11n (HT40) mode channel 102


```
              Marker 1 [T1 ndB]      RBW   300 kHz   RF Att      0 dB
 Ref Lvl      ndB          26.00 dB  VBW   1 MHz
  12 dBm      BW  43.92785571 MHz    SWT   5 ms      Unit        dBm
```

```
22 dB Offset                              ▼1 [T1]        -2.52 dBm    A
                                                      5.50494990 GHz
                                          ndB            26.00 dB
                                          BW       43.92785571 MHz
                                          ▽T1 [T1]       -28.72 dBm
                                                      5.48827655 GHz
                                          ▽T2 [T1]       -28.19 dBm
                                                      5.53220441 GHz
1VIEW                                                                 1MA
```
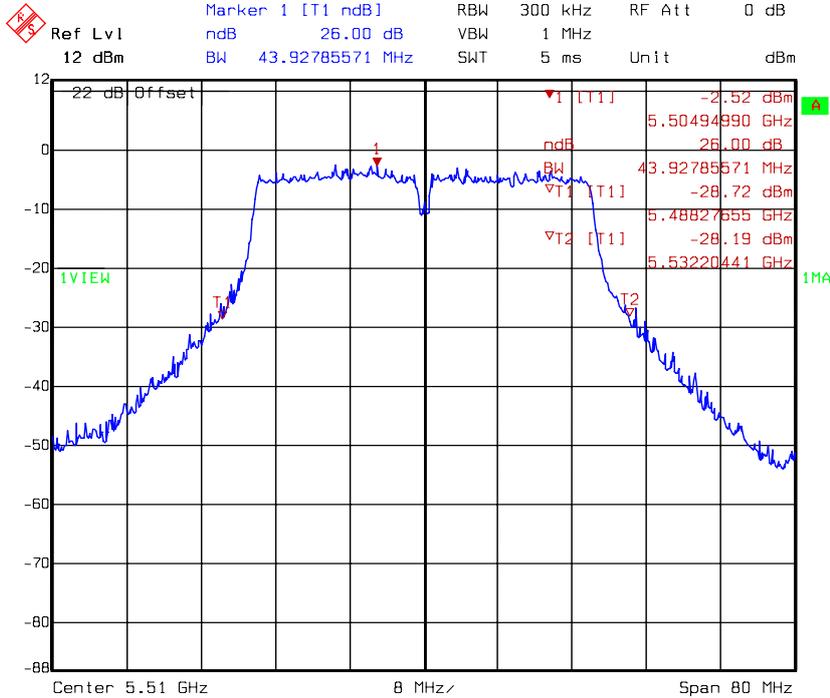
```
Center 5.51 GHz              8 MHz/              Span 80 MHz
Title:      26dB Bandwidth
Comment A: CH 102 at 802.11a mode
Date:       10.APR.2009  17:11:37
```

Chain A: 26dB Bandwidth @ 802.11n (HT40) mode channel 110


```
              Marker 1 [T1 ndB]      RBW   300 kHz   RF Att      0 dB
 Ref Lvl      ndB          26.00 dB  VBW   1 MHz
  11.5 dBm    BW  43.60721443 MHz    SWT   5 ms      Unit        dBm
```

```
21.5 dB Offset                            ▼1 [T1]        -2.78 dBm    A
                                                      5.55697395 GHz
                                          ndB            26.00 dB
                                          BW       43.60721443 MHz
                                          ▽T1 [T1]       -28.80 dBm
                                                      5.52795591 GHz
                                          ▽T2 [T1]       -30.24 dBm
                                                      5.57156313 GHz
1VIEW                                                                 1MA
```
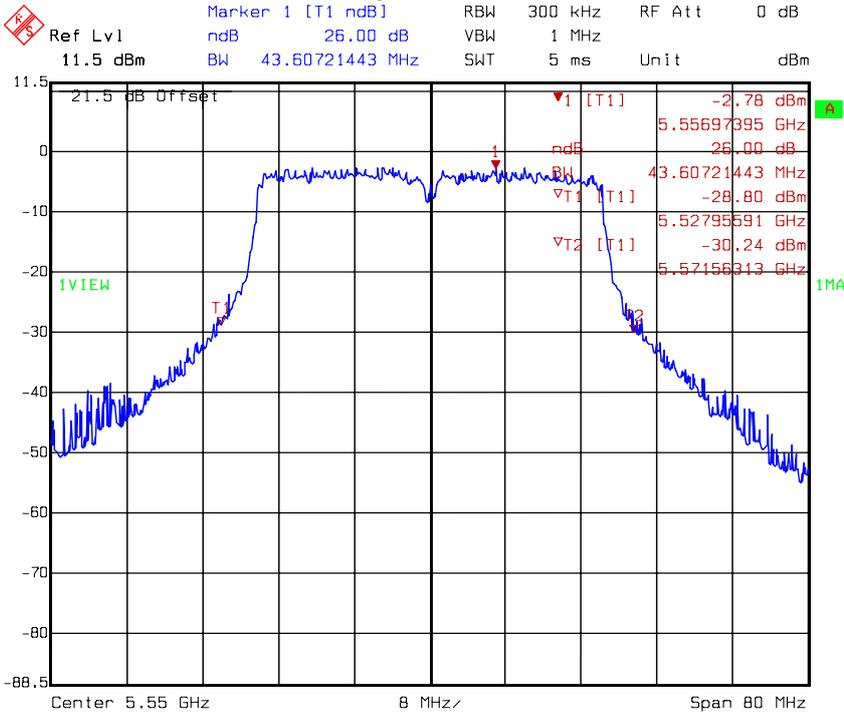
```
Center 5.55 GHz              8 MHz/              Span 80 MHz
Title:      26dB Bandwidth
Comment A: 5.550G at 802.11n mode HT40 chainA
Date:       09.OCT.2009  16:28:41
```

Antenna 1：   **C5060-510002-A**

Chain A: 26dB Bandwidth @ 802.11n (HT40) mode channel 134
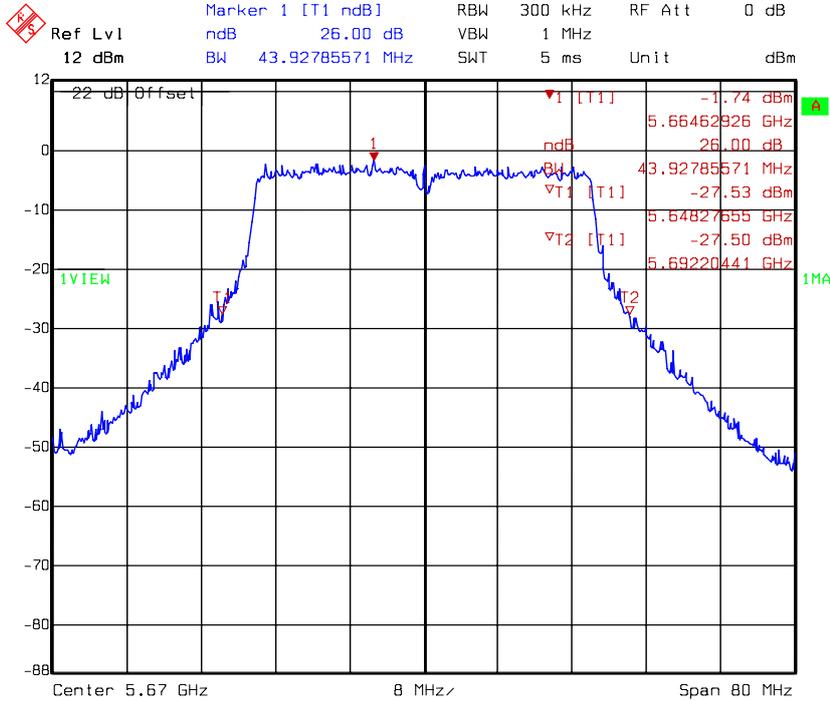

```
Title:      26dB Bandwidth
Comment A: CH 134 at 802.11a mode
Date:        10.APR.2009  17:20:35
```

Chain B: 26dB Bandwidth @ 802.11a mode channel 36
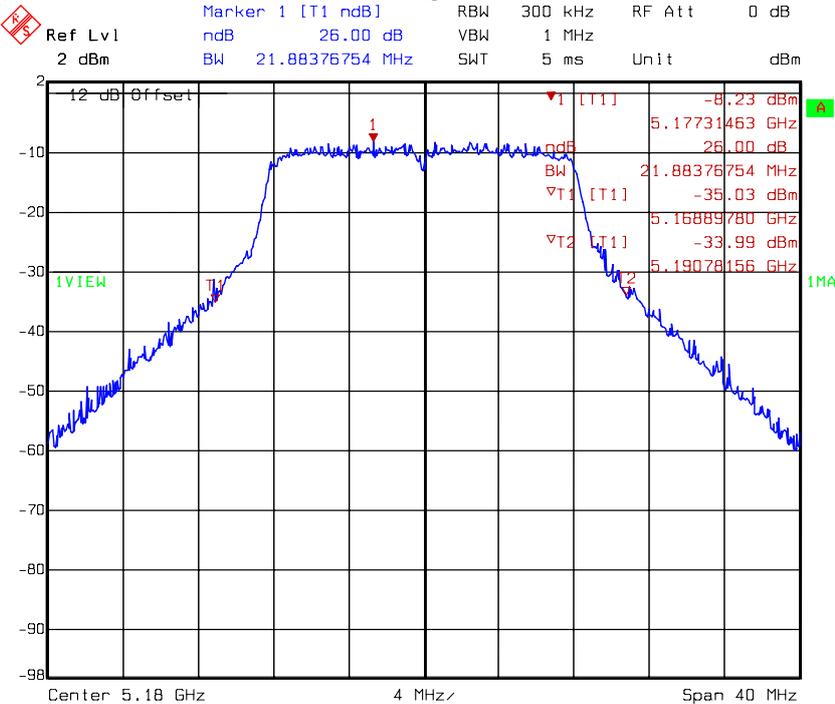

```
Title:      26dB Bandwidth
Comment A: CH 36 at 802.11a mode chainB
Date:        04.DEC.2008  12:10:02
```

Intertek

Antenna 1： **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11a mode channel 40
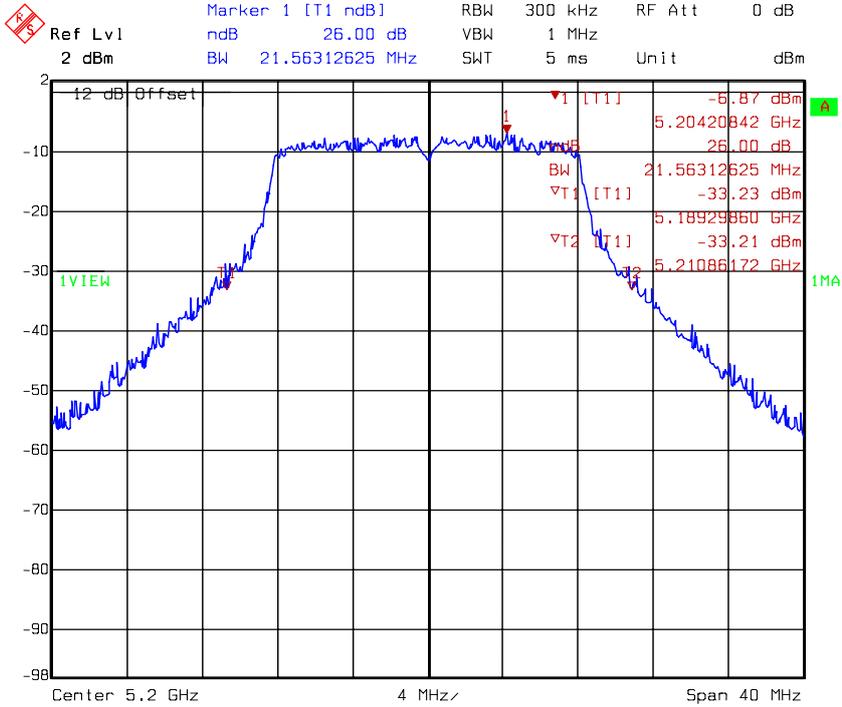

```
Title:      26dB Bandwidth
Comment A: CH 40 at 802.11a mode chainB
Date:       04.DEC.2008  12:14:37
```

Chain B: 26dB Bandwidth @ 802.11a mode channel 48
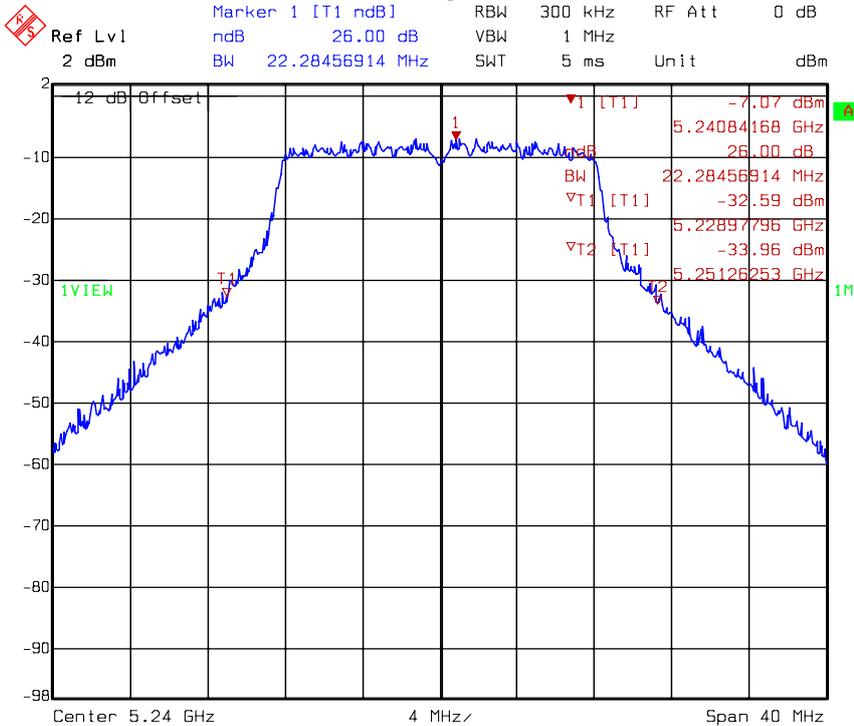

```
Title:      26dB Bandwidth
Comment A: CH 48 at 802.11a mode chainB
Date:       04.DEC.2008  12:17:44
```

Antenna 1：   **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11a mode channel 52
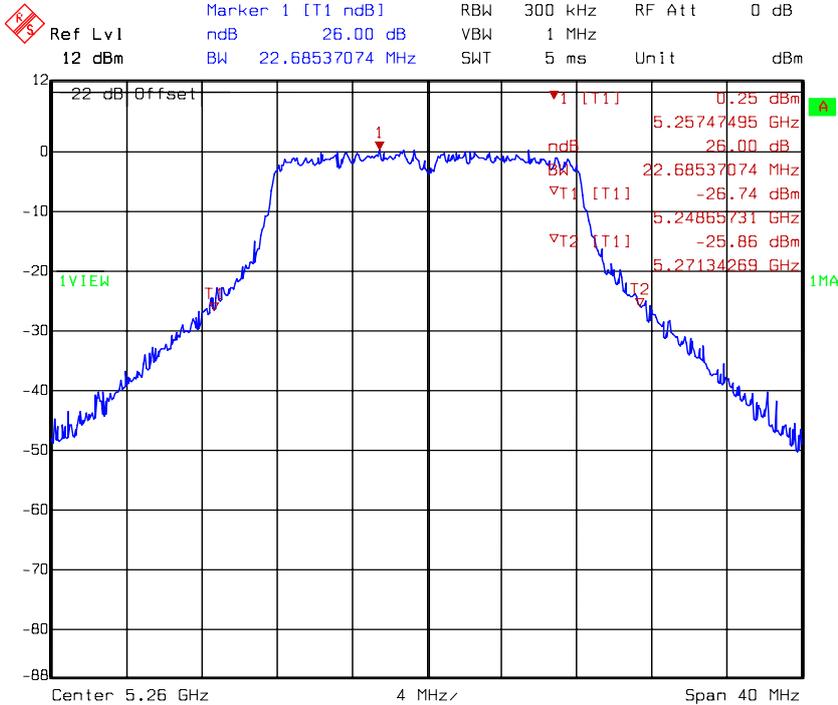
Title: 26dB Bandwidth
Comment A: CH 52 at 802.11a mode
Date: 13.APR.2009 11:30:37

Chain B: 26dB Bandwidth @ 802.11a mode channel 60
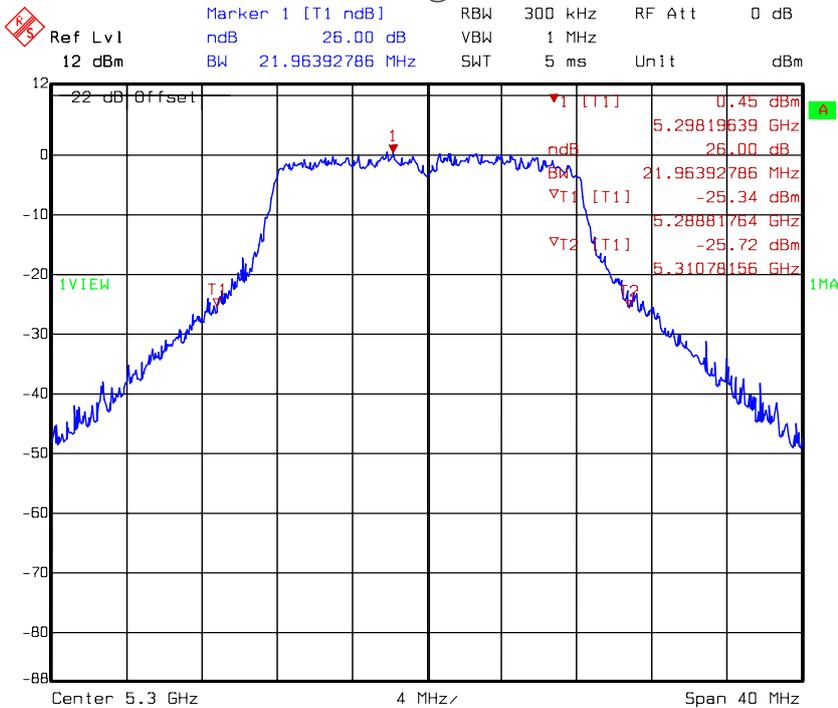
Title: 26dB Bandwidth
Comment A: CH 60 at 802.11a mode
Date: 13.APR.2009 13:40:28

Antenna 1： **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11a mode channel 64
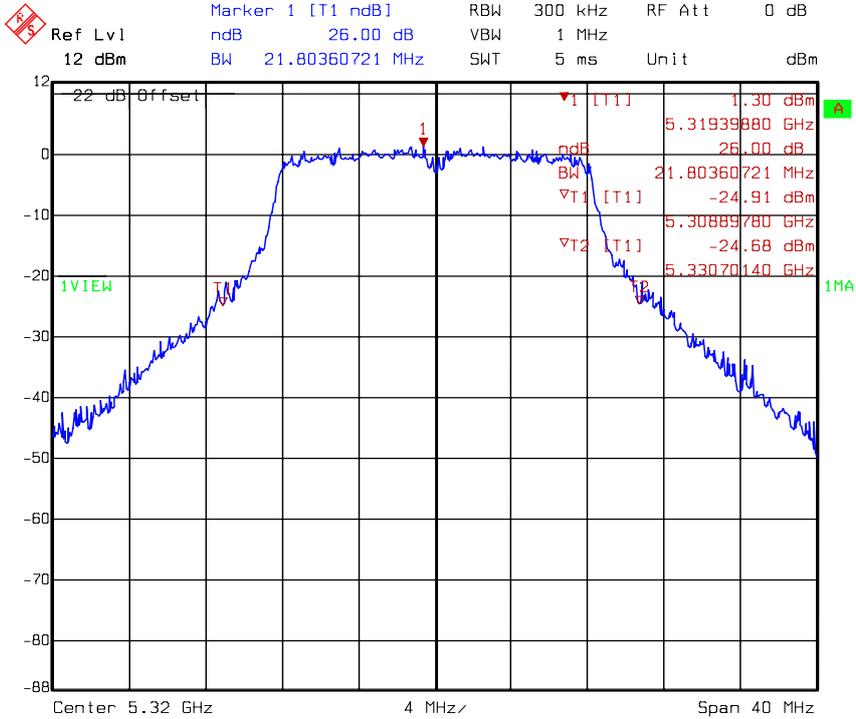
Title: 26dB Bandwidth
Comment A: CH 64 at 802.11a mode
Date: 13.APR.2009 13:42:58

Chain B: 26dB Bandwidth @ 802.11a mode channel 100
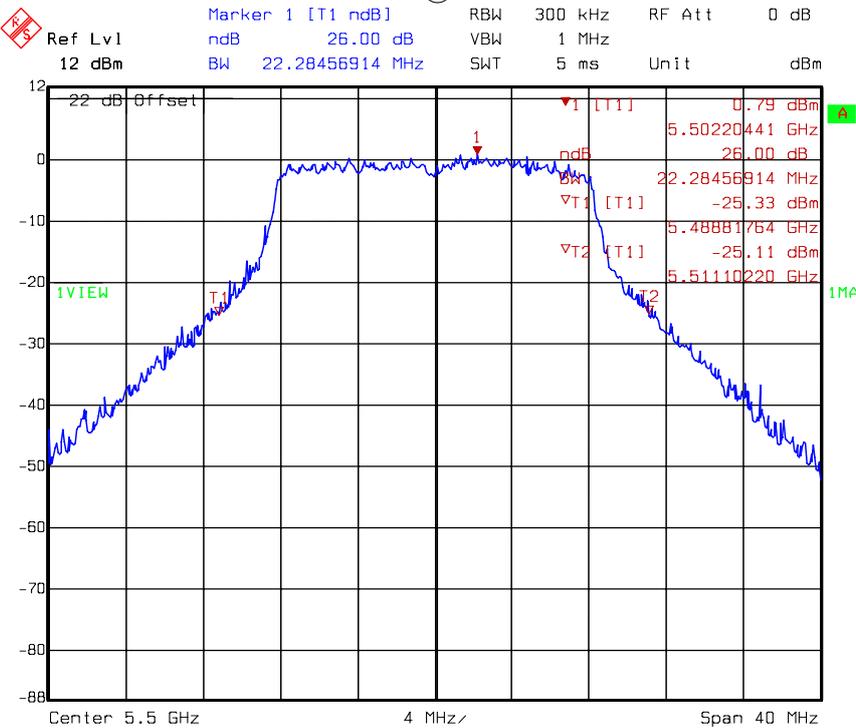
Title: 26dB Bandwidth
Comment A: CH 100 at 802.11a mode
Date: 13.APR.2009 13:45:39

Antenna 1： **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11a mode channel 116
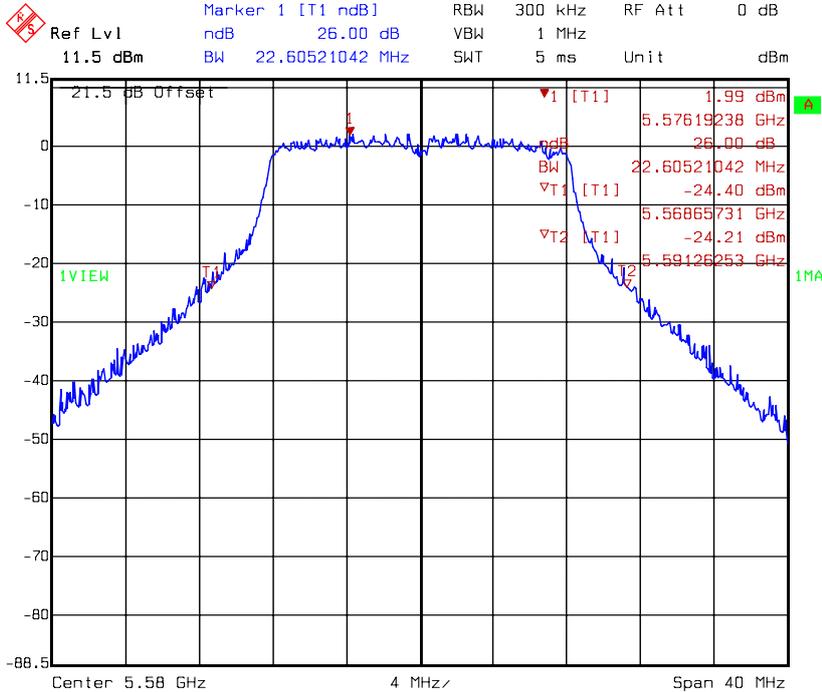
Title: 26dB Bandwidth
Comment A: CH 116 at 802.11a mode chainB
Date: 09.OCT.2009 17:03:25

**Chain B:** 26dB Bandwidth @ 802.11a mode channel 140

Title: 26dB Bandwidth
Comment A: CH 140 at 802.11a mode
Date: 13.APR.2009 13:51:52

Antenna 1： **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11n (HT20) mode channel 36


```
                          Marker 1 [T1 ndB]     RBW    300 kHz   RF Att    0 dB
        Ref Lvl           ndB         26.00 dB   VBW    1 MHz
        2 dBm             BW    22.76553106 MHz  SWT    5 ms      Unit      dBm

   2                                                           ▼1 [T1]         -7.47 dBm
        12 dB Offset                                                      5.17827655 GHz
                                                                 ndB          26.00 dB
 -10                                                             BW    22.76553106 MHz
                                                                 ▽T1  [T1]      -33.66 dBm
 -20                                                                     5.16865731 GHz
                                                                 ▽T2 [T1]       -33.32 dBm
 -30  1VIEW                                                              5.19142285 GHz
                                                                                       1MA
 -40

 -50

 -60

 -70

 -80

 -90

 -98
        Center 5.18 GHz              4 MHz/              Span 40 MHz
```

Title: 26dB Bandwidth
Comment A: 5.180G at 802.11n mode HT20 chainB
Date: 04.DEC.2008 11:56:29

Chain B: 26dB Bandwidth @ 802.11n (HT20) mode channel 40


```
                          Marker 1 [T1 ndB]     RBW    300 kHz   RF Att    0 dB
        Ref Lvl           ndB         26.00 dB   VBW    1 MHz
        2 dBm             BW    23.40681363 MHz  SWT    5 ms      Unit      dBm

   2                                                           ▼1 [T1]         -8.30 dBm
        12 dB Offset                                                      5.19755511 GHz
                                                                 ndB          26.00 dB
 -10                                                             BW    23.40681363 MHz
                                                                 ▽T1  [T1]      -34.03 dBm
 -20                                                                     5.18833667 GHz
                                                                 ▽T2 [T1]       -34.84 dBm
 -30  1VIEW                                                              5.21174349 GHz
                                                                                       1MA
 -40

 -50

 -60

 -70

 -80

 -90

 -98
        Center 5.2 GHz               4 MHz/              Span 40 MHz
```

Title: 26dB Bandwidth
Comment A: 5.200G at 802.11n mode HT20 chainB
Date: 04.DEC.2008 12:01:21

Antenna 1：   **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11n (HT20) mode channel 48

Ref Lvl	Marker 1 [T1 ndB] ndB 26.00 dB	RBW 300 kHz	RF Att 0 dB			
2 dBm	BW 23.00601202 MHz	VBW 1 MHz SWT 5 ms	Unit dBm			

12 dB Offset
▼1 [T1]   -7.15 dBm
5.24276553 GHz
ndB   26.00 dB
BW   23.00601202 MHz
▽T1 [T1]   -33.79 dBm
5.22825651 GHz
▽T2 [T1]   -34.08 dBm
5.25126253 GHz

1VIEW   1MA

Center 5.24 GHz   4 MHz/   Span 40 MHz

Title: 26dB Bandwidth
Comment A: 5.240G at 802.11n mode HT20 chainB
Date: 04.DEC.2008 12:04:26

**Chain B:** 26dB Bandwidth @ 802.11n (HT20) mode channel 52

Ref Lvl	Marker 1 [T1 ndB] ndB 26.00 dB	RBW 300 kHz	RF Att 0 dB			
12 dBm	BW 23.88777555 MHz	VBW 1 MHz SWT 5 ms	Unit dBm			

22 dB Offset
▼1 [T1]   -0.40 dBm
5.25939880 GHz
ndB   26.00 dB
BW   23.88777555 MHz
▽T1 [T1]   -27.63 dBm
5.24801603 GHz
▽T2 [T1]   -26.44 dBm
5.27190381 GHz

1VIEW   1MA

Center 5.26 GHz   4 MHz/   Span 40 MHz

Title: 26dB Bandwidth
Comment A: CH 52 at 802.11a mode
Date: 13.APR.2009 13:54:54

Antenna 1： **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11n (HT20) mode channel 60

	Marker 1 [T1 ndB]	RBW	300 kHz	RF Att	0 dB
Ref Lvl	ndB 26.00 dB	VBW	1 MHz		
12 dBm	BW 23.96793587 MHz	SWT	5 ms	Unit	dBm

22 dB Offset

▼1 [T1]   0.01 dBm
5.30084168 GHz
ndB   26.00 dB
BW   23.96793587 MHz
▽T1 [T1]   -26.60 dBm
5.28817635 GHz
▽T2 [T1]   -25.97 dBm
5.31214429 GHz

1VIEW

1MA

Center 5.3 GHz   4 MHz/   Span 40 MHz

Title: 26dB Bandwidth
Comment A: CH 60 at 802.11a mode
Date: 13.APR.2009 13:57:33

Chain B: 26dB Bandwidth @ 802.11n (HT20) mode channel 64

	Marker 1 [T1 ndB]	RBW	300 kHz	RF Att	0 dB
Ref Lvl	ndB 26.00 dB	VBW	1 MHz		
12 dBm	BW 23.80761523 MHz	SWT	5 ms	Unit	dBm

22 dB Offset

▼1 [T1]   0.11 dBm
5.32436874 GHz
ndB   26.00 dB
BW   23.80761523 MHz
▽T1 [T1]   -26.50 dBm
5.30833667 GHz
▽T2 [T1]   -25.60 dBm
5.33214429 GHz

1VIEW

1MA

Center 5.32 GHz   4 MHz/   Span 40 MHz

Title: 26dB Bandwidth
Comment A: CH 64 at 802.11a mode
Date: 13.APR.2009 13:59:59

Intertek

Antenna 1： **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11n (HT20) mode channel 100

Title: 26dB Bandwidth
Comment A: CH 100 at 802.11a mode
Date: 13.APR.2009 14:02:31

Chain B: 26dB Bandwidth @ 802.11n (HT20) mode channel 116
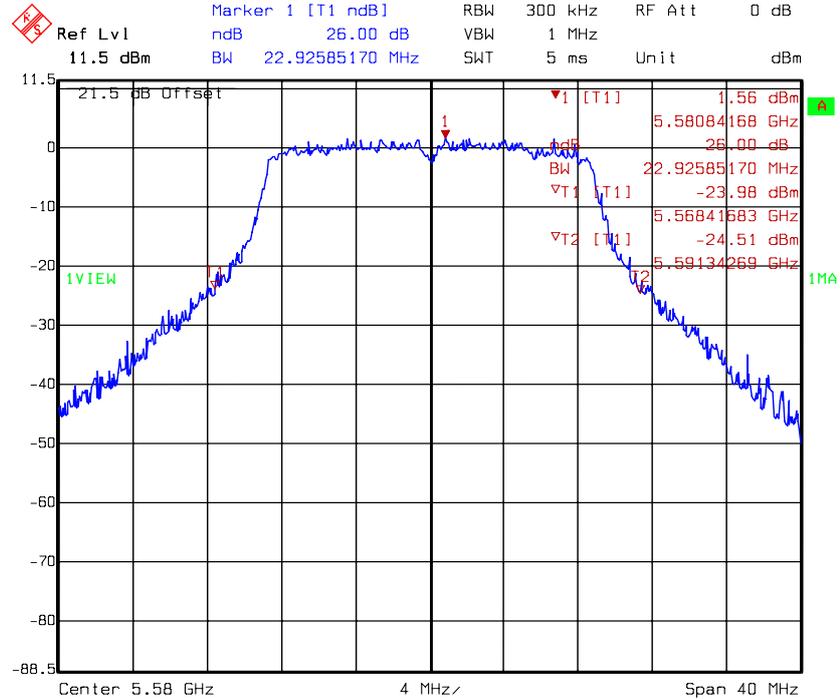
Title: 26dB Bandwidth
Comment A: 5.580G at 802.11n mode HT20 chainB
Date: 09.OCT.2009 17:10:04

Intertek

Antenna 1：   **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11n (HT20) mode channel 140
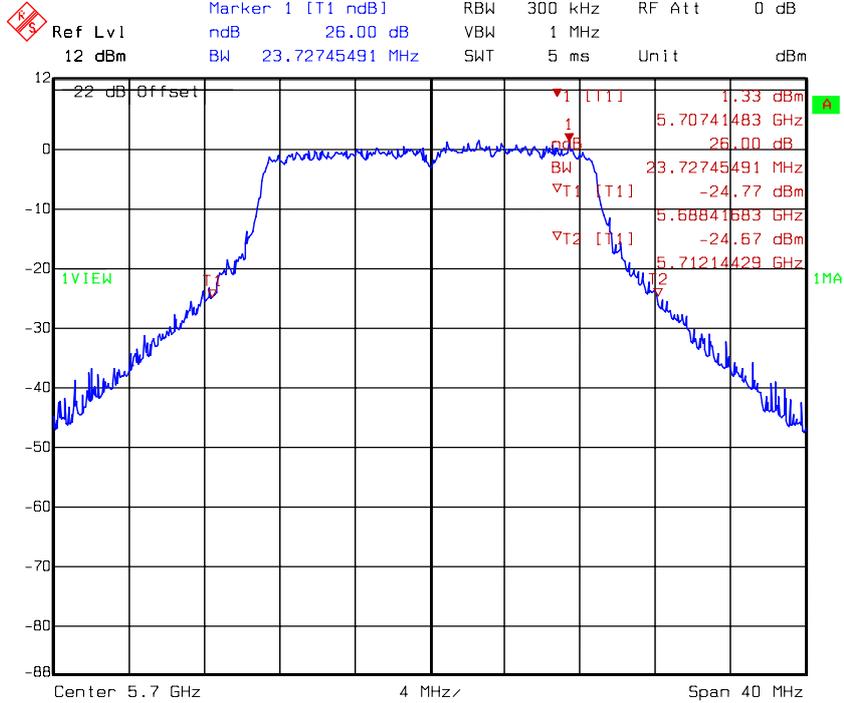

```
Title:       26dB Bandwidth
Comment A: CH 140 at 802.11a mode
Date:        13.APR.2009  14:11:15
```

Chain B: 26dB Bandwidth @ 802.11n (HT40) mode channel 38
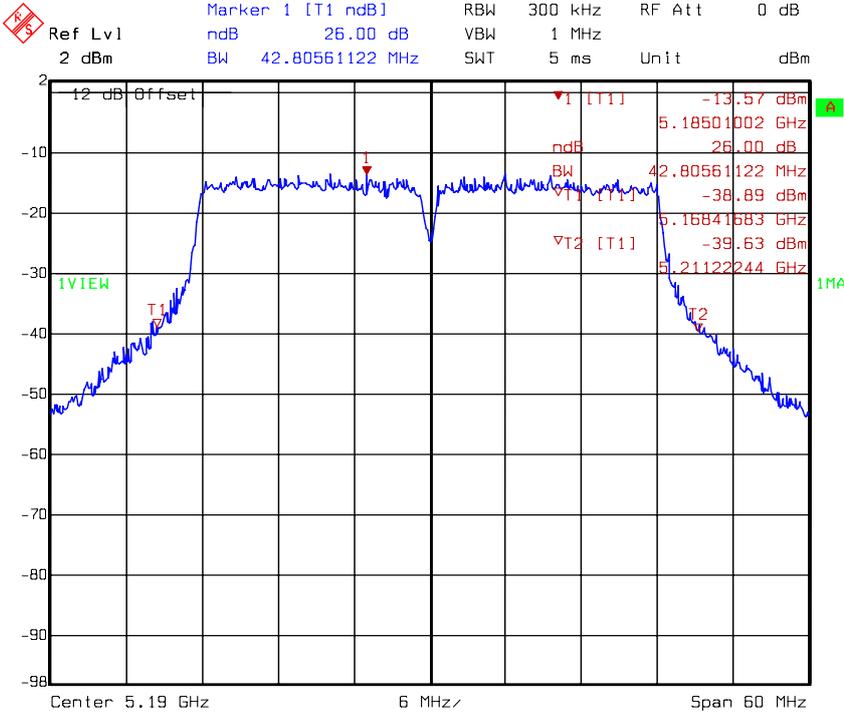

```
Title:       26dB Bandwidth
Comment A: 5.190G at 802.11n mode HT40 chainB
Date:        04.DEC.2008  11:50:32
```

Antenna 1：   **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11n (HT40) mode channel 46
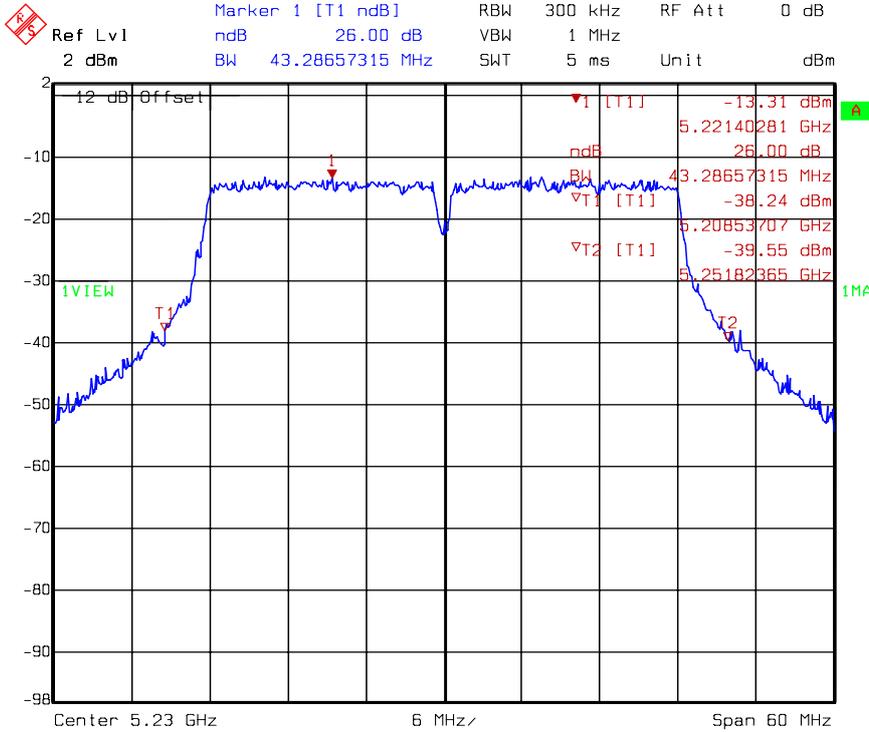
Title: 26dB Bandwidth
Comment A: 5.230G at 802.11n mode HT40 chainB
Date: 04.DEC.2008 11:47:39

Chain B: 26dB Bandwidth @ 802.11n (HT40) mode channel 54


Title: 26dB Bandwidth
Comment A: CH 54 at 802.11a mode
Date: 13.APR.2009 14:18:42

Antenna 1： **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11n (HT40) mode channel 62

Chain B: 26dB Bandwidth @ 802.11n (HT40) mode channel 102

Intertek

Antenna 1： **C5060-510002-A**

Chain B: 26dB Bandwidth @ 802.11n (HT40) mode channel 110
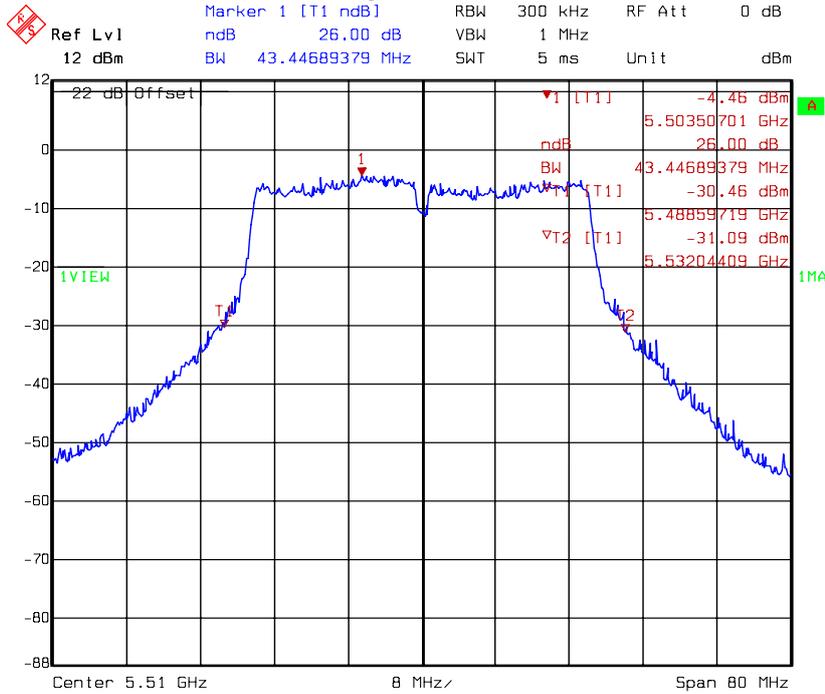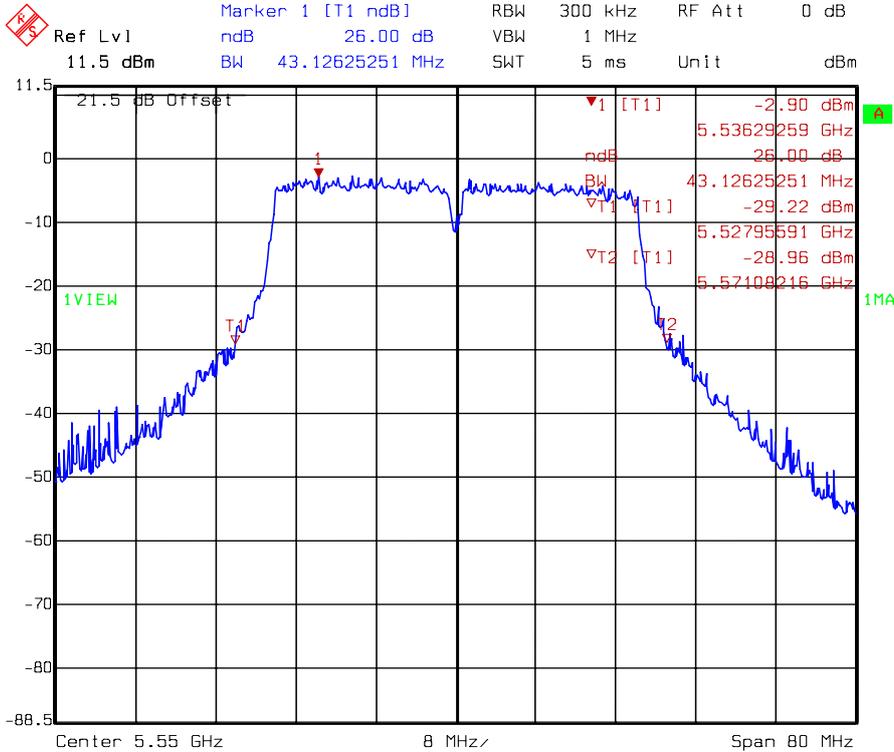

```
                    Marker 1 [T1 ndB]        RBW    300 kHz    RF Att    0 dB
        Ref Lvl     ndB         26.00 dB     VBW    1 MHz
        11.5 dBm    BW    43.12625251 MHz    SWT    5 ms      Unit        dBm
11.5
        21.5 dB Offset                              ▼1 [T1]        -2.90 dBm    A
                                                                   5.53629259 GHz
  0                                                 ndB            26.00 dB
                                                    BW             43.12625251 MHz
 -10                                                ▽T1 [T1]       -29.22 dBm
                                                                   5.52795591 GHz
 -20                                                ▽T2 [T1]       -28.96 dBm
                                                                   5.57108216 GHz
 -30  1VIEW                                                                    1MA
 -40
 -50
 -60
 -70
 -80
-88.5
        Center 5.55 GHz              8 MHz/               Span 80 MHz
Title:      26dB Bandwidth
Comment A: 5.550G at 802.11n mode HT40 chainB
Date:       09.OCT.2009   17:13:16
```

Chain B: 26dB Bandwidth @ 802.11n (HT40) mode channel 134


```
                    Marker 1 [T1 ndB]        RBW    300 kHz    RF Att    0 dB
        Ref Lvl     ndB         26.00 dB     VBW    1 MHz
        12 dBm      BW    43.44689379 MHz    SWT    5 ms      Unit        dBm
12
        22 dB Offset                              ▼1 [T1]        -3.40 dBm    A
                                                                 5.67569138 GHz
  0                                                ndB           26.00 dB
                                                   BW            43.44689379 MHz
 -10                                               ▽T1 [T1]      -29.32 dBm
                                                                 5.64795591 GHz
 -20                                               ▽T2 [T1]      -29.79 dBm
                                                                 5.69140281 GHz
 -30  1VIEW                                                                   1MA
 -40
 -50
 -60
 -70
 -80
-88
        Center 5.67 GHz              8 MHz/               Span 80 MHz
Title:      26dB Bandwidth
Comment A: CH 134 at 802.11a mode
Date:       13.APR.2009   14:30:41
```

Antenna 1： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11a mode channel 36

Title: 26dB Bandwidth
Comment A: CH 36 at 802.11a mode chainC
Date: 04.DEC.2008 13:29:23

Chain C: 26dB Bandwidth @ 802.11a mode channel 40
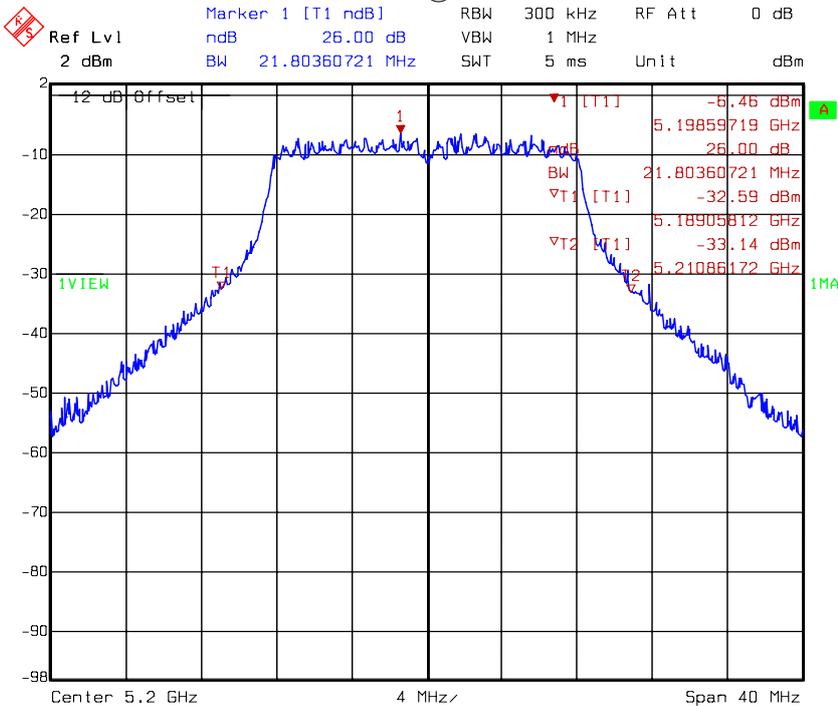

Title: 26dB Bandwidth
Comment A: CH 40 at 802.11a mode chainC
Date: 04.DEC.2008 13:33:43

Antenna 1 ： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11a mode channel 48
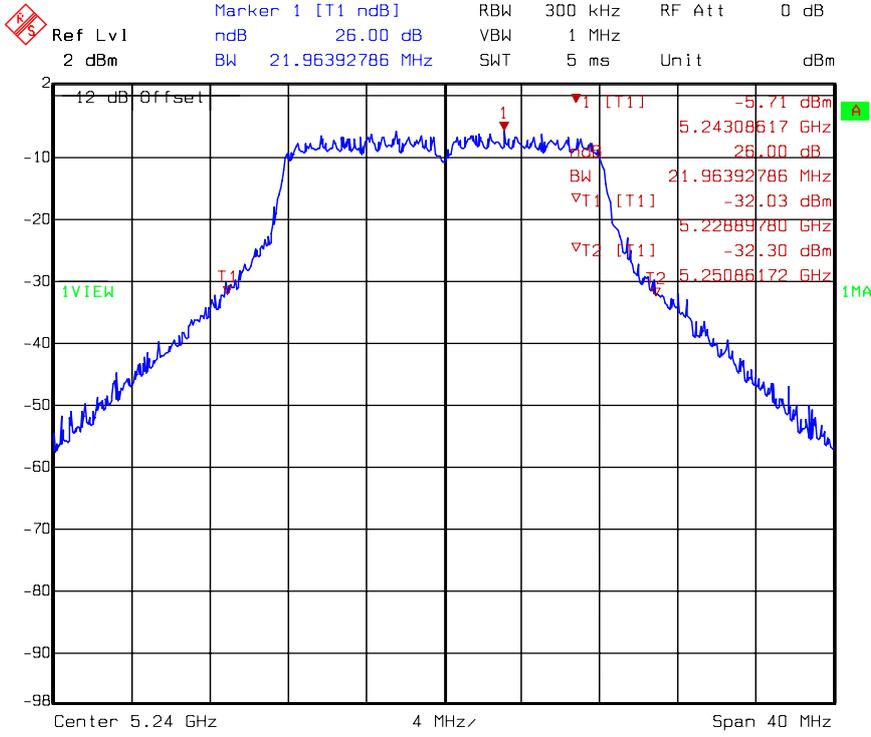
Title: 26dB Bandwidth
Comment A: CH 48 at 802.11a mode chainC
Date: 04.DEC.2008 13:39:37

### Chain C: 26dB Bandwidth @ 802.11a mode channel 52
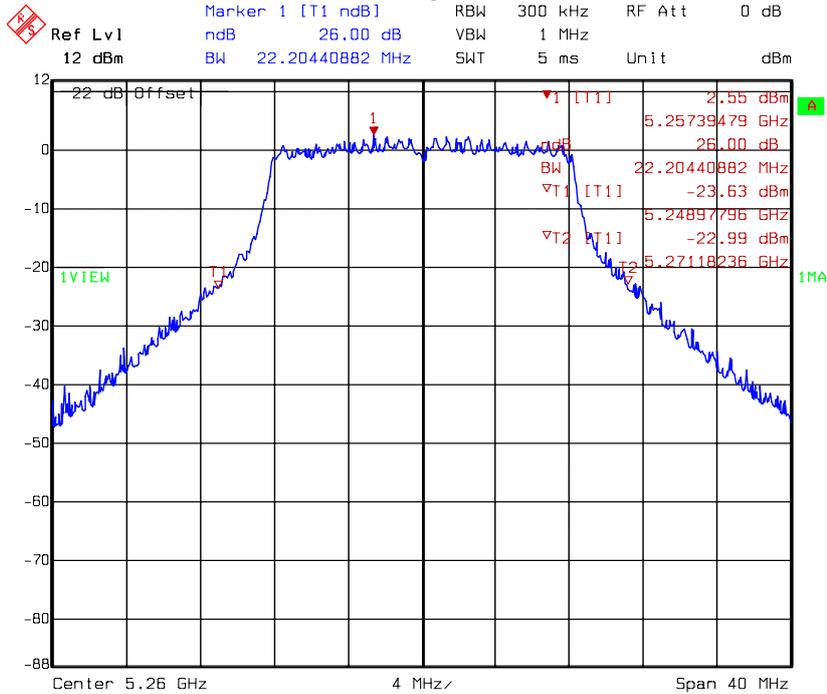
Title: 26dB Bandwidth
Comment A: CH 52 at 802.11a mode
Date: 13.APR.2009 14:39:11

Antenna 1： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11a mode channel 60
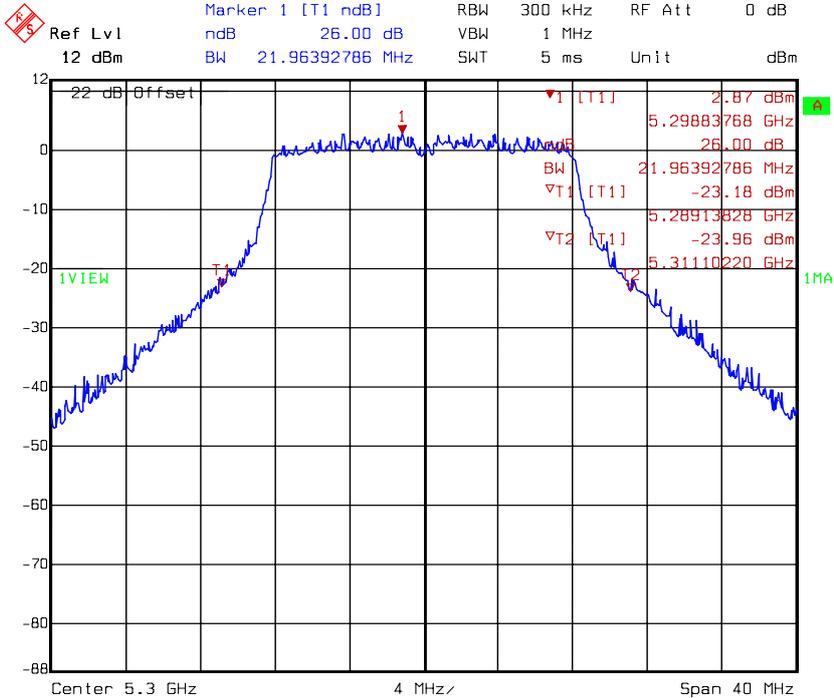
Title: 26dB Bandwidth
Comment A: CH 60 at 802.11a mode
Date: 13.APR.2009 14:41:50

Chain C: 26dB Bandwidth @ 802.11a mode channel 64
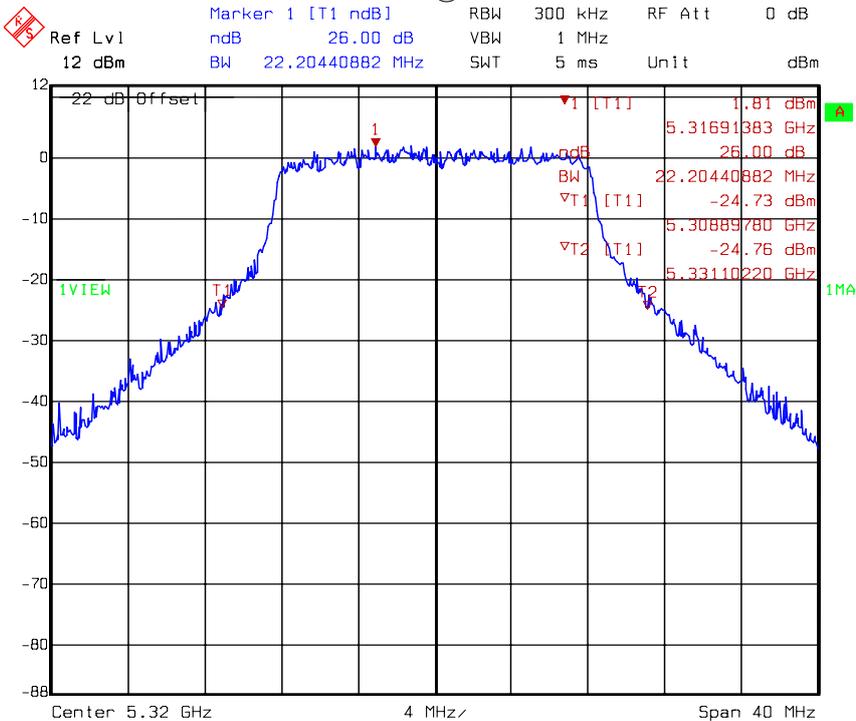
Title: 26dB Bandwidth
Comment A: CH 64 at 802.11a mode
Date: 13.APR.2009 14:45:20

Antenna 1：   **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11a mode channel 100


```
Marker 1 [T1 ndB]        RBW   300 kHz    RF Att    0 dB
Ref Lvl     ndB         26.00 dB    VBW    1 MHz
12 dBm      BW   21.96392786 MHz   SWT    5 ms    Unit      dBm
```
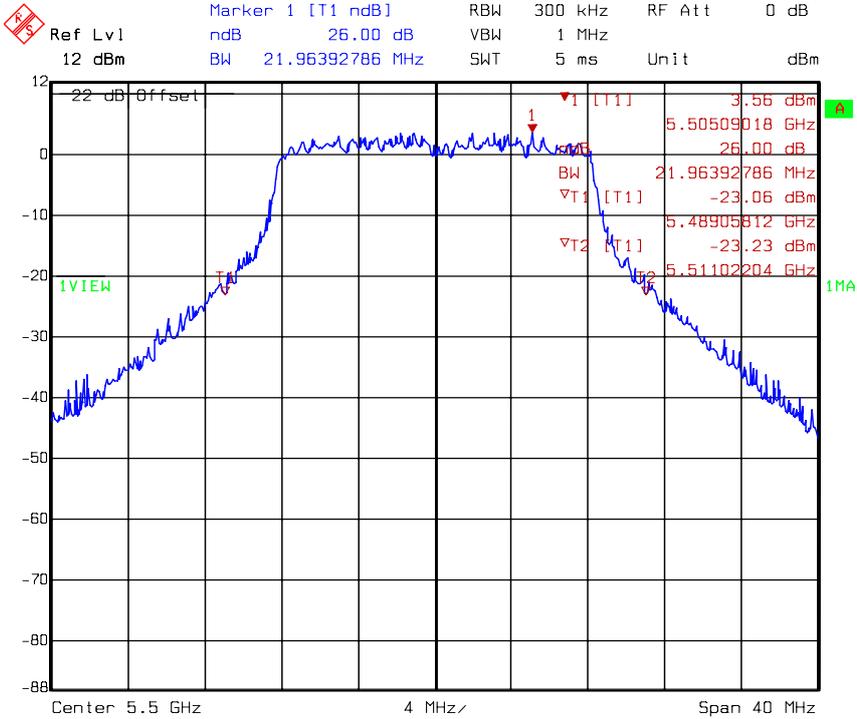
```
Title:      26dB Bandwidth
Comment A: CH 100 at 802.11a mode
Date:       13.APR.2009  14:48:11
```

Chain C: 26dB Bandwidth @ 802.11a mode channel 116


```
Marker 1 [T1 ndB]        RBW   300 kHz    RF Att    0 dB
Ref Lvl     ndB         26.00 dB    VBW    1 MHz
11.5 dBm    BW   21.96392786 MHz   SWT    5 ms    Unit      dBm
```
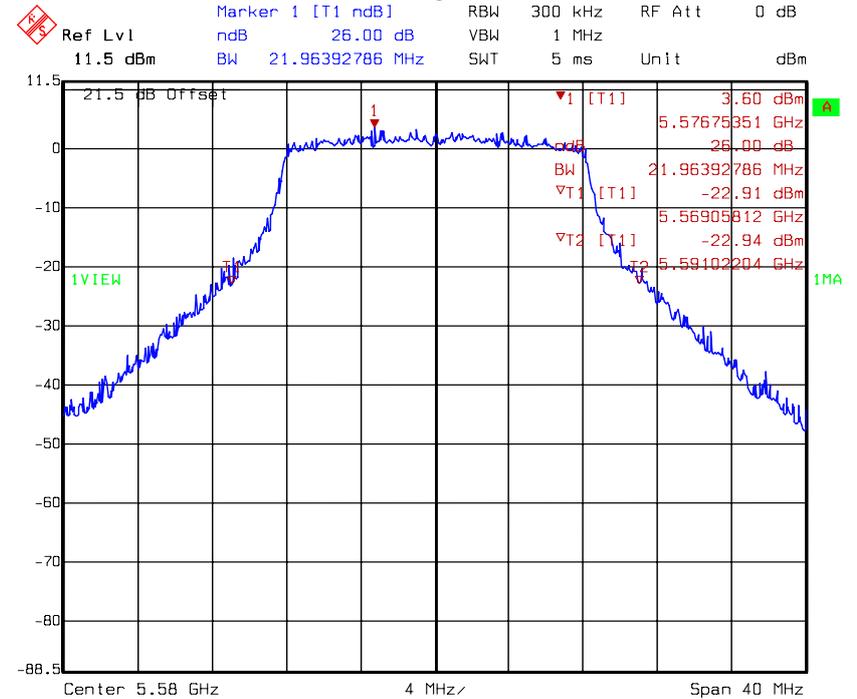
```
Title:      26dB Bandwidth
Comment A: CH 116 at 802.11a mode chainC
Date:       09.OCT.2009  16:57:24
```

Antenna 1：   **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11a mode channel 140
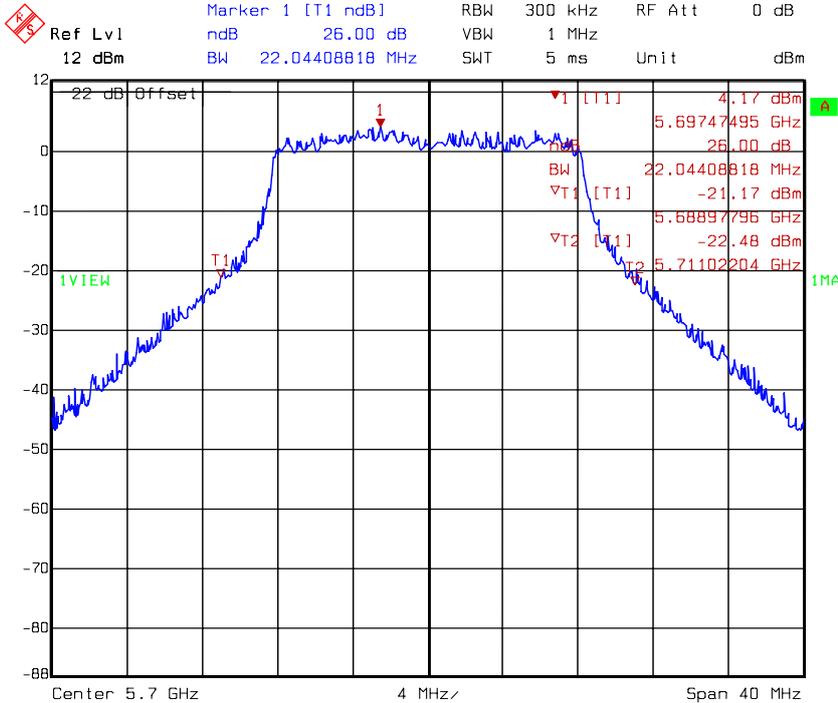

```
Title:      26dB Bandwidth
Comment A: CH 140 at 802.11a mode
Date:       13.APR.2009  14:58:48
```

Chain C: 26dB Bandwidth @ 802.11n (HT20) mode channel 36
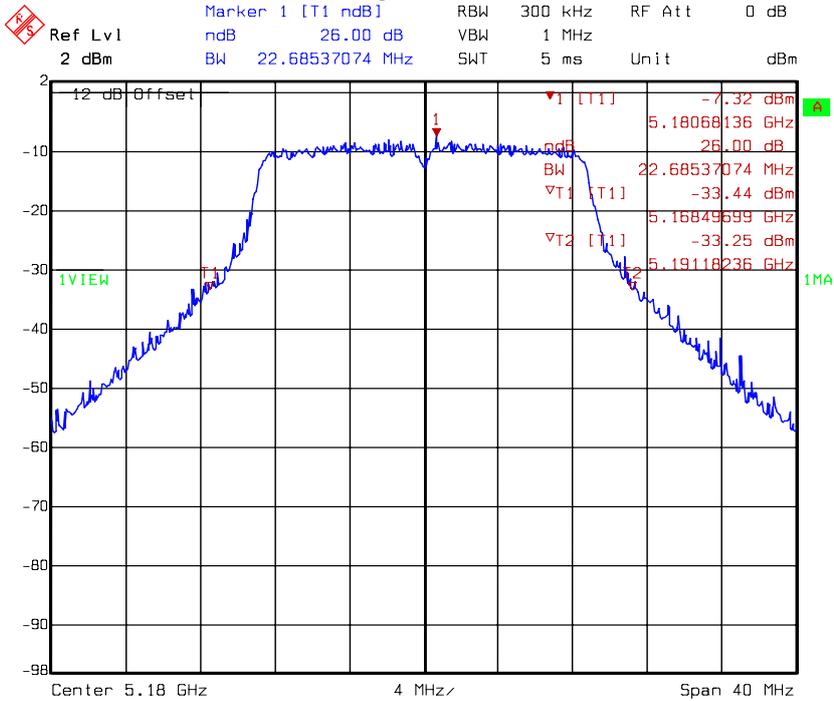

```
Title:      26dB Bandwidth
Comment A: 5.180G at 802.11n mode HT20 chainC
Date:       04.DEC.2008  13:45:46
```

Antenna 1： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11n (HT20) mode channel 40
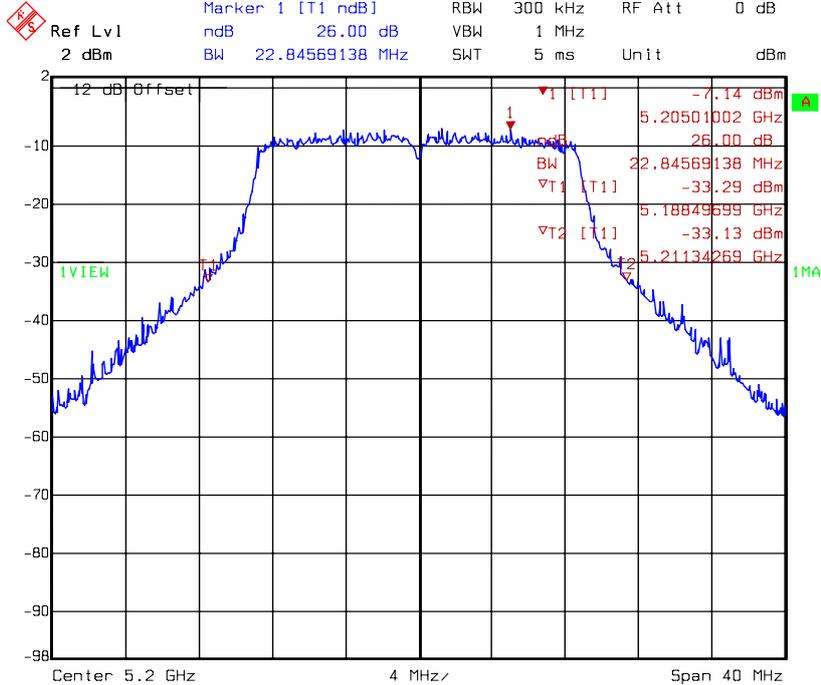
Title: 26dB Bandwidth
Comment A: 5.200G at 802.11n mode HT20 chainC
Date: 04.DEC.2008 13:50:12

### **Chain C:** 26dB Bandwidth @ 802.11n (HT20) mode channel 48
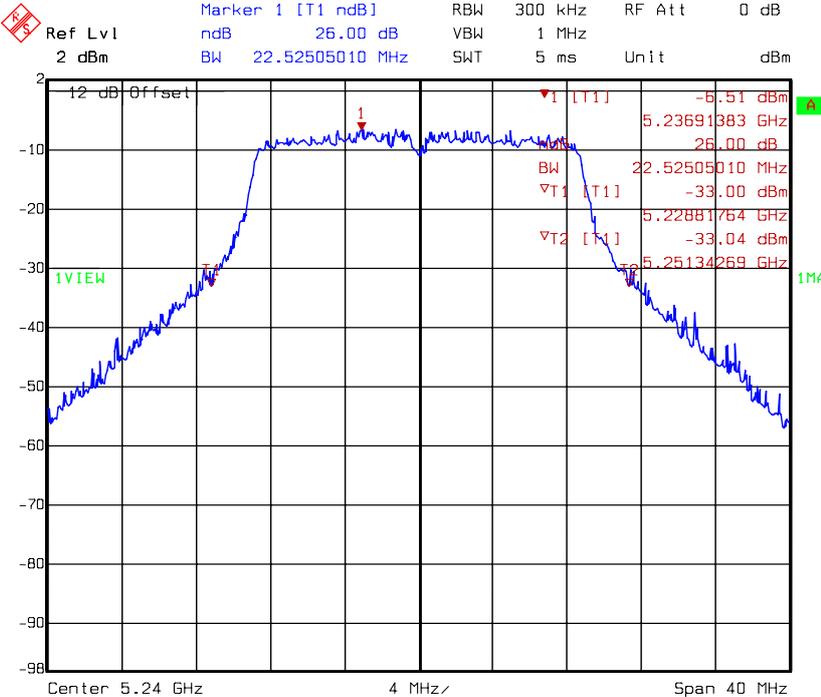
Title: 26dB Bandwidth
Comment A: 5.240G at 802.11n mode HT20 chainC
Date: 04.DEC.2008 13:54:29

Antenna 1： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11n (HT20) mode channel 52


```
                          Marker 1 [T1 ndB]        RBW    300 kHz    RF Att       0 dB
        Ref Lvl           ndB          26.00 dB    VBW    1 MHz
        12 dBm            BW  23.56713427 MHz      SWT    5 ms       Unit         dBm
```
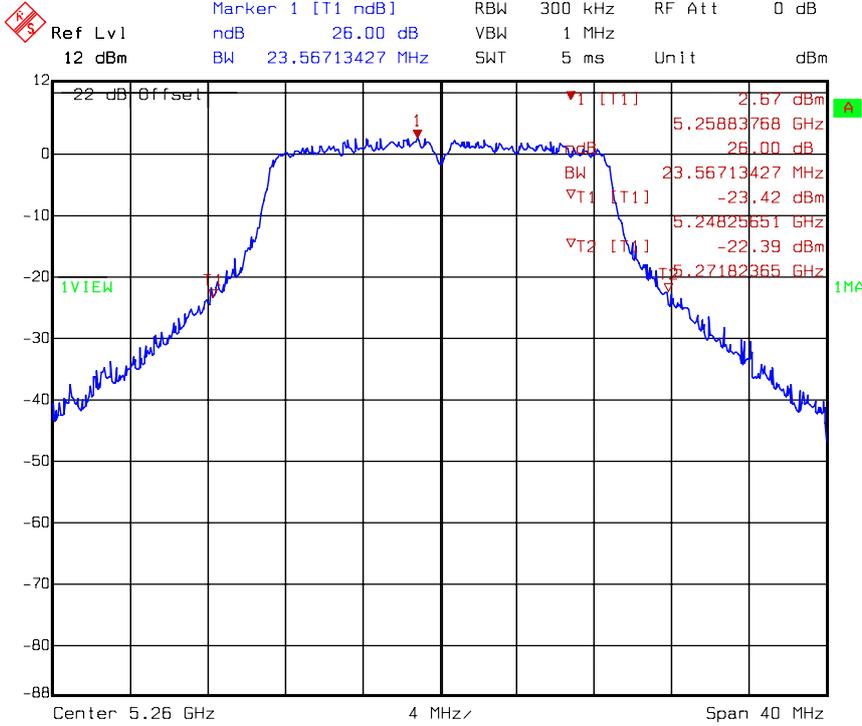
Title: 26dB Bandwidth
Comment A: CH 52 at 802.11a mode
Date: 13.APR.2009 15:02:48

Chain C: 26dB Bandwidth @ 802.11n (HT20) mode channel 60


```
                          Marker 1 [T1 ndB]        RBW    300 kHz    RF Att       0 dB
        Ref Lvl           ndB          26.00 dB    VBW    1 MHz
        12 dBm            BW  23.32665331 MHz      SWT    5 ms       Unit         dBm
```
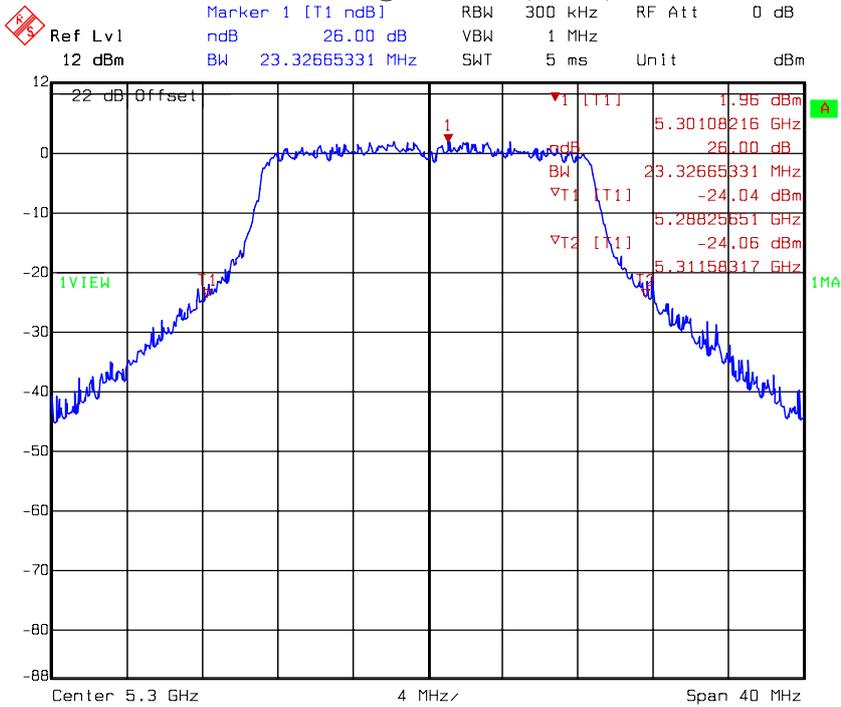
Title: 26dB Bandwidth
Comment A: CH 60 at 802.11a mode
Date: 13.APR.2009 15:06:49

Antenna 1： **C5060-510002-A**
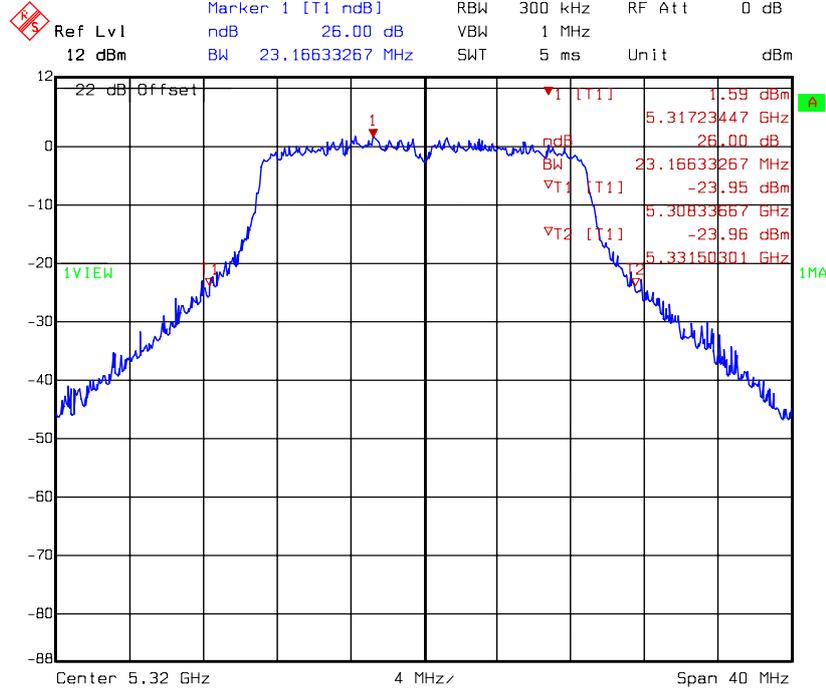
Chain C: 26dB Bandwidth @ 802.11n (HT20) mode channel 64

Chain C: 26dB Bandwidth @ 802.11n (HT20) mode channel 100

Antenna 1： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11n (HT20) mode channel 116


```
                    Marker 1 [T1 ndB]      RBW    300 kHz    RF Att     0 dB
       Ref Lvl      ndB           26.00 dB  VBW    1 MHz
       11.5 dBm     BW   23.56713427 MHz    SWT    5 ms      Unit       dBm
11.5
   21.5 dB Offset                            ▼1 [T1]           1.79 dBm   A
                                             5.58100200 GHz
                                 1           ndB           26.00 dB
  0                                          BW   23.56713427 MHz
                                             ▽T1 [T1]        -24.31 dBm
 -10                                         5.56833667 GHz
                                             ▽T2 [T1]        -25.19 dBm
 -20                                         5.59190381 GHz
    1VIEW                                    T2                          1MA
 -30
 -40
 -50
 -60
 -70
 -80
-88.5
   Center 5.58 GHz           4 MHz/              Span 40 MHz
```
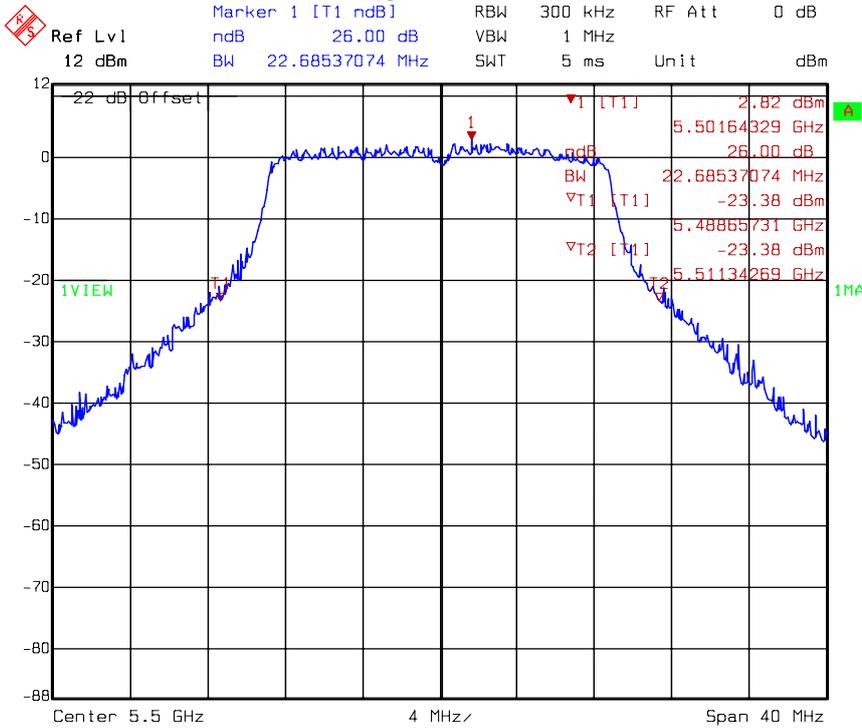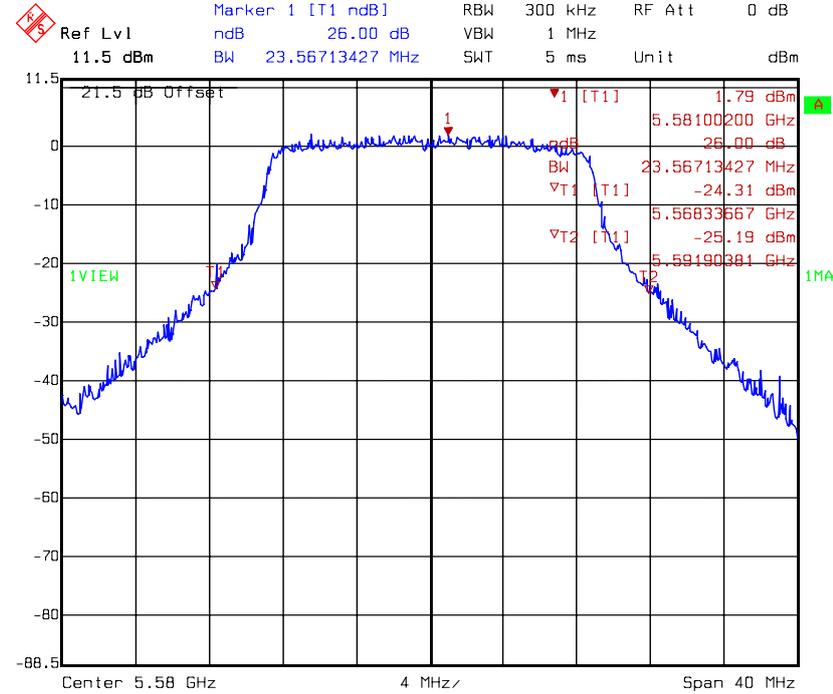
Title: 26dB Bandwidth
Comment A: 5.580G at 802.11n mode HT20 chainC
Date: 09.OCT.2009 16:52:11

Chain C: 26dB Bandwidth @ 802.11n (HT20) mode channel 140


```
                    Marker 1 [T1 ndB]      RBW    300 kHz    RF Att     0 dB
       Ref Lvl      ndB           26.00 dB  VBW    1 MHz
       12 dBm       BW   23.96793587 MHz    SWT    5 ms      Unit       dBm
12
   22 dB Offset                             ▼1 [T1]           2.76 dBm   A
                                             5.69723447 GHz
                                 1           ndB           26.00 dB
  0                                          BW   23.96793587 MHz
                                             ▽T1 [T1]        -23.57 dBm
 -10                                         5.68801603 GHz
                                             ▽T2 [T1]        -22.74 dBm
 -20                                         5.71198397 GHz
    1VIEW                                                                1MA
 -30
 -40
 -50
 -60
 -70
 -80
-88
   Center 5.7 GHz            4 MHz/              Span 40 MHz
```
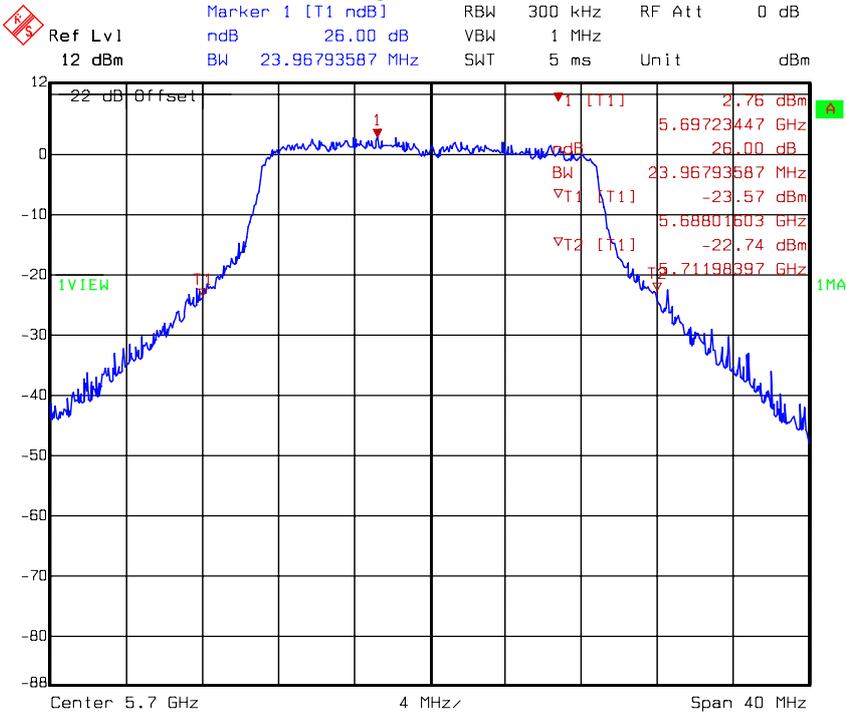
Title: 26dB Bandwidth
Comment A: CH 140 at 802.11a mode
Date: 13.APR.2009 15:20:45

Antenna 1： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11n (HT40) mode channel 38

Chain C: 26dB Bandwidth @ 802.11n (HT40) mode channel 46

Antenna 1： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11n (HT40) mode channel 54


```
Marker 1 [T1 ndB]          RBW    300 kHz    RF Att      0 dB
Ref Lvl       ndB        26.00 dB   VBW    1 MHz
12 dBm        BW    44.08817635 MHz  SWT    5 ms     Unit      dBm
```

```
22 dB Offset                           ▼1 [T1]        -2.92 dBm    A
                                                   5.27617234 GHz
                                            ndB        26.00 dB
                                            BW    44.08817635 MHz
                                         ▽T1 [T1]       -29.27 dBm
                                                   5.24811623 GHz
                                         ▽T2 [T1]       -29.73 dBm
                                                   5.29220441 GHz
1VIEW                                                              1MA
```

```
Center 5.27 GHz              8 MHz/              Span 80 MHz
```

```
Title:      26dB Bandwidth
Comment A: CH 54 at 802.11a mode
Date:       13.APR.2009  15:43:16
```

Chain C: 26dB Bandwidth @ 802.11n (HT40) mode channel 62


```
Marker 1 [T1 ndB]          RBW    300 kHz    RF Att      0 dB
Ref Lvl       ndB        26.00 dB   VBW    1 MHz
12 dBm        BW    44.56913828 MHz  SWT    5 ms     Unit      dBm
```

```
22 dB Offset                           ▼1 [T1]        -3.53 dBm    A
                                                   5.32130261 GHz
                                            ndB        26.00 dB
                                            BW    44.56913828 MHz
                                         ▽T1 [T1]       -30.00 dBm
                                                   5.28795591 GHz
                                         ▽T2 [T1]       -29.69 dBm
                                                   5.33252505 GHz
1VIEW                                                              1MA
```

```
Center 5.31 GHz              8 MHz/              Span 80 MHz
```
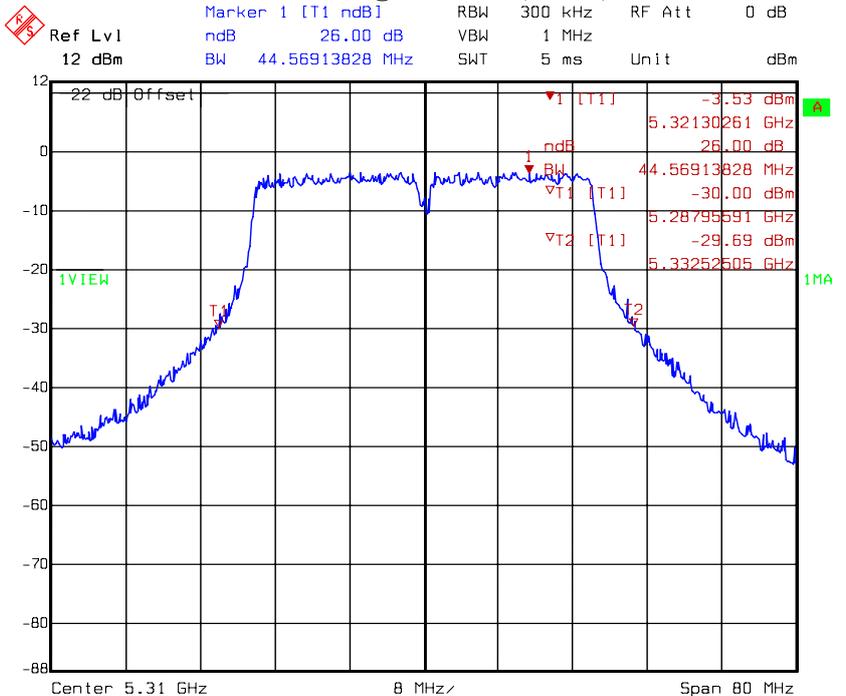
```
Title:      26dB Bandwidth
Comment A: CH 62 at 802.11a mode
Date:       13.APR.2009  15:46:09
```

Antenna 1 :　　　　**C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11n (HT40) mode channel 102
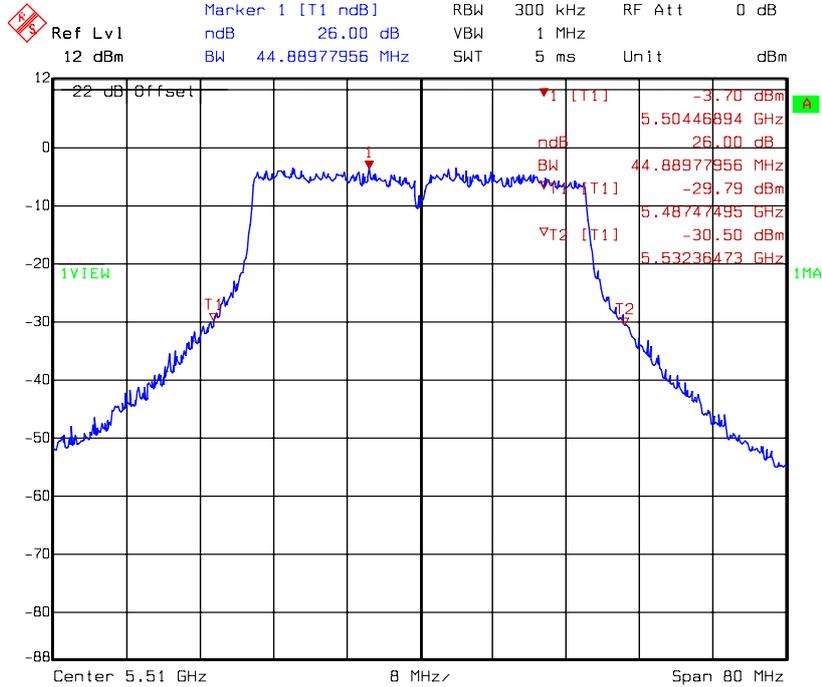
Title:　　26dB Bandwidth
Comment A: CH 102 at 802.11a mode
Date:　　　13.APR.2009　15:50:18

Chain C: 26dB Bandwidth @ 802.11n (HT40) mode channel 110
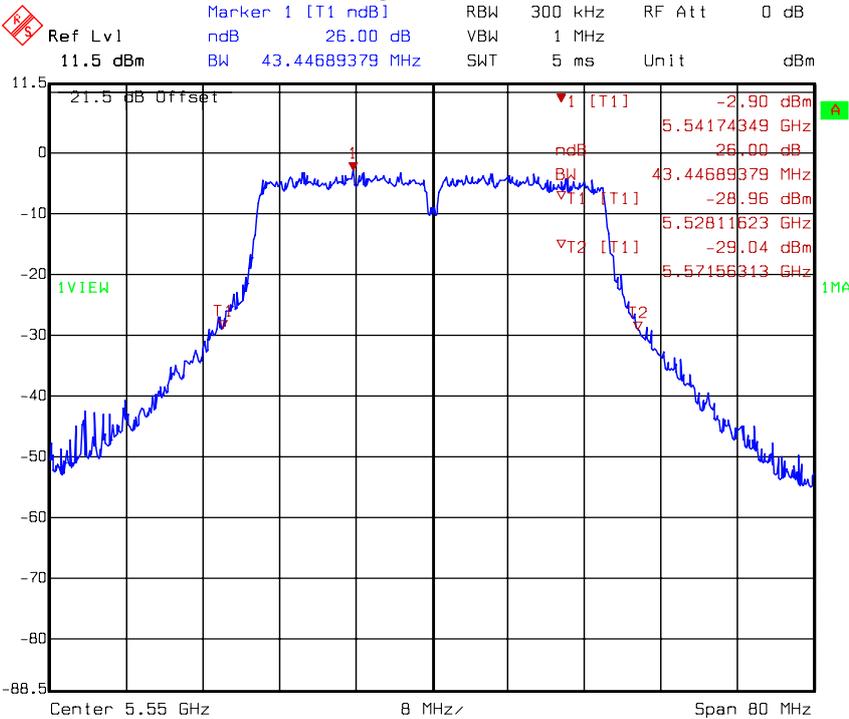
Title:　　26dB Bandwidth
Comment A: 5.550G at 802.11n mode HT40 chainC
Date:　　　09.OCT.2009　16:47:11

Antenna 1： **C5060-510002-A**

Chain C: 26dB Bandwidth @ 802.11n (HT40) mode channel 134

	Marker 1 [T1 ndB]		RBW	300 kHz	RF Att	0 dB
Ref Lvl	ndB	26.00 dB	VBW	1 MHz	
12 dBm	BW	43.76753507 MHz	SWT	5 ms	Unit	dBm

▼1 [T1]   -3.08 dBm
                 5.66430862 GHz
ndB   26.00 dB
BW   43.76753507 MHz
▽T1 [T1]   -29.37 dBm
                 5.64811623 GHz
▽T2 [T1]   -29.80 dBm
                 5.69188377 GHz

1VIEW   1MA

Center 5.67 GHz   8 MHz/   Span 80 MHz
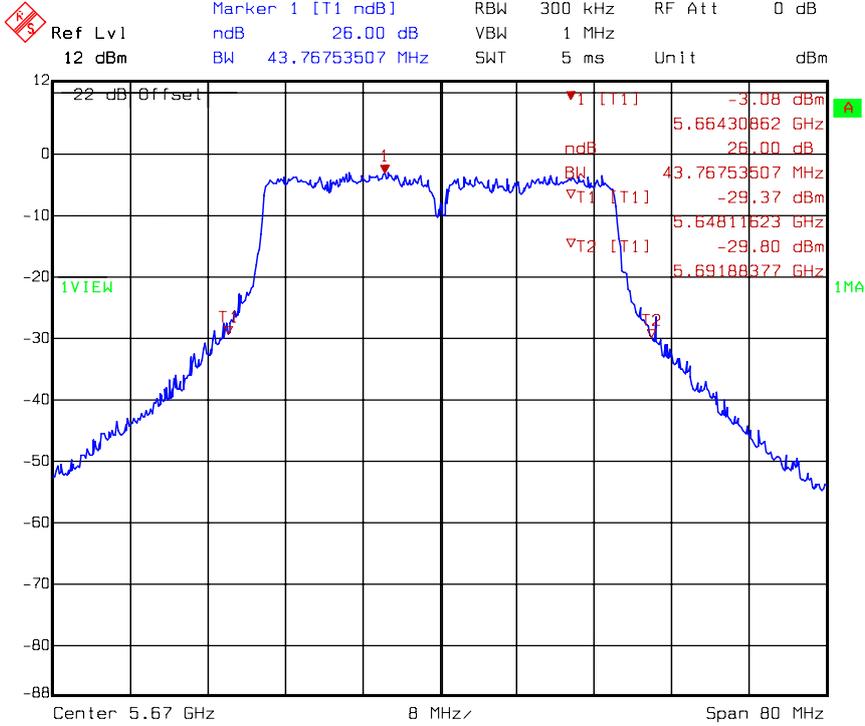
Title: 26dB Bandwidth
Comment A: CH 134 at 802.11a mode
Date: 13.APR.2009 15:58:45

4. Power Spectrum Density test (FCC 15.407)

4.1 Operating environment

Temperature: 25   ℃
Relative Humidity: 50   %
Atmospheric Pressure: 1023   hPa

4.2 Test setup & procedure

Method of Measurement:

The power spectrum density per FCC §15.407(a) was measured from the antenna port of the EUT using a 50 ohm spectrum analyzer with the resolution bandwidth set at 1MHz, the video bandwidth set at 3 MHz. Power spectrum density was read directly and cable loss (2.0 dB)/external attenuator (20 dB) correction was added to the reading to obtain power at the EUT antenna terminals.

4.3 Limitation

Operating Frequency (MHz)	Power density limit
5150~5250	< 4 dBm/MHz
5250~5350, 5470~5725	< 11 dBm/MHz
5725~5825	< 17 dBm/MHz

4.4 Measured data of Power Spectrum Density test results

Antenna 1：C5060-510002-A
3Tx

Mode	Channel	Data rate Mbps	PPSD (dBm)			Total PPSD		Limit (dBm)
			Chain A	Chain B	ChainC	mW	dBm	
802.11a	36	6	-11.18	-13.03	-12.89	0.21	-6.87	4
	40		-11.10	-13.13	-12.84	0.18	-7.49	4
	48		-10.98	-12.93	-11.71	0.20	-7.03	4
	52		-2.93	-4.17	-2.50	1.49	1.73	11
	60		-2.91	-4.32	-2.47	1.45	1.61	11
	64		-2.23	-3.44	-3.35	1.51	1.80	11
	100		-1.50	-4.06	-1.22	1.81	2.58	11
	116		-1.76	-2.53	-1.34	1.96	2.92	11
	140		-1.48	-3.28	-0.53	2.07	3.15	11
802.11n (HT20)	36	6.5	-11.57	-13.03	-13.55	0.16	-7.86	4
	40		-11.75	-13.51	-12.44	0.17	-7.74	4
	48		-10.38	-13.04	-12.24	0.20	-6.97	4
	52		-3.83	-4.89	-1.99	1.37	1.37	11
	60		-2.86	-4.88	-2.64	1.39	1.42	11
	64		-1.90	-4.59	-3.35	1.46	1.63	11
	100		-1.51	-4.96	-2.14	1.64	2.14	11
	116		-2.12	-2.82	-2.30	1.73	2.37	11
	140		-1.89	-3.31	-1.69	1.79	2.53	11
802.11n (HT40)	38	13.5	-18.23	-20.13	-19.97	0.03	-14.58	4
	46		-17.85	-18.78	-18.95	0.04	-13.73	4
	54		-7.92	-8.89	-7.71	0.46	-3.37	11
	62		-8.16	-8.61	-8.2	0.44	-3.55	11
	102		-7.10	-8.58	-8.34	0.48	-3.19	11
	110		-7.12	-7.39	-7.50	0.55	-2.56	11
	134		-6.21	-7.93	-6.86	0.61	-2.17	11

Please see the plot below.

Intertek

Antenna 1： C5060-510002-A

Chain A: Power Spectral Density @ 802.11a mode channel 36


```
Ref Lvl        Marker 1 [T1]          RBW   1 MHz   RF Att   10 dB
               -11.18 dBm             VBW   3 MHz
-8 dBm         5.17515030 GHz         SWT   5 ms    Unit     dBm
```
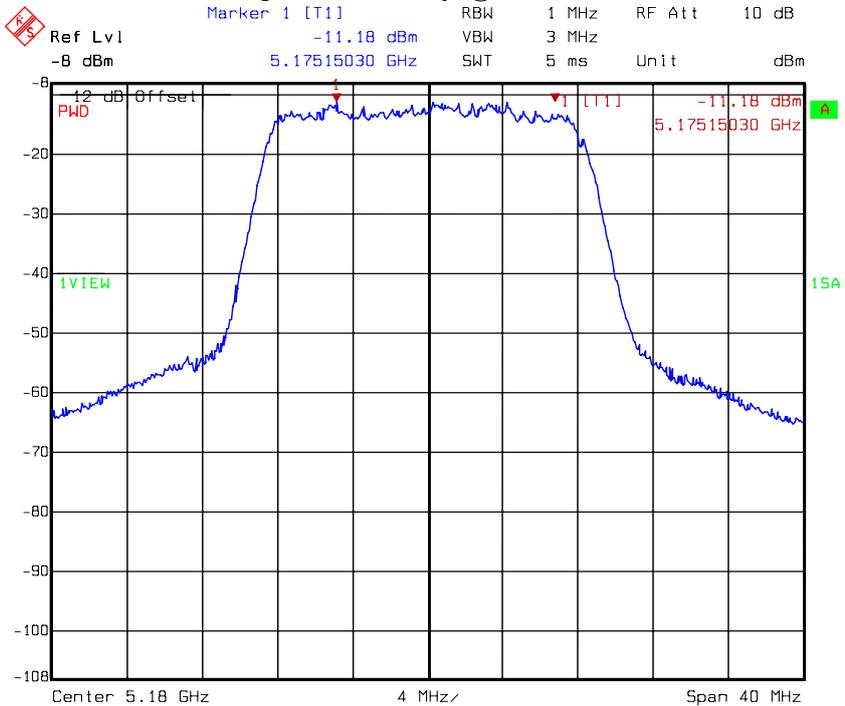
Title: Power Density
Comment A: CH 36 at 802.11a mode chainA
Date: 04.DEC.2008 10:50:42

Chain A: Power Spectral Density @ 802.11a mode channel 40


```
Ref Lvl        Marker 1 [T1]          RBW   1 MHz   RF Att   10 dB
               -11.10 dBm             VBW   3 MHz
-8 dBm         5.19539078 GHz         SWT   5 ms    Unit     dBm
```
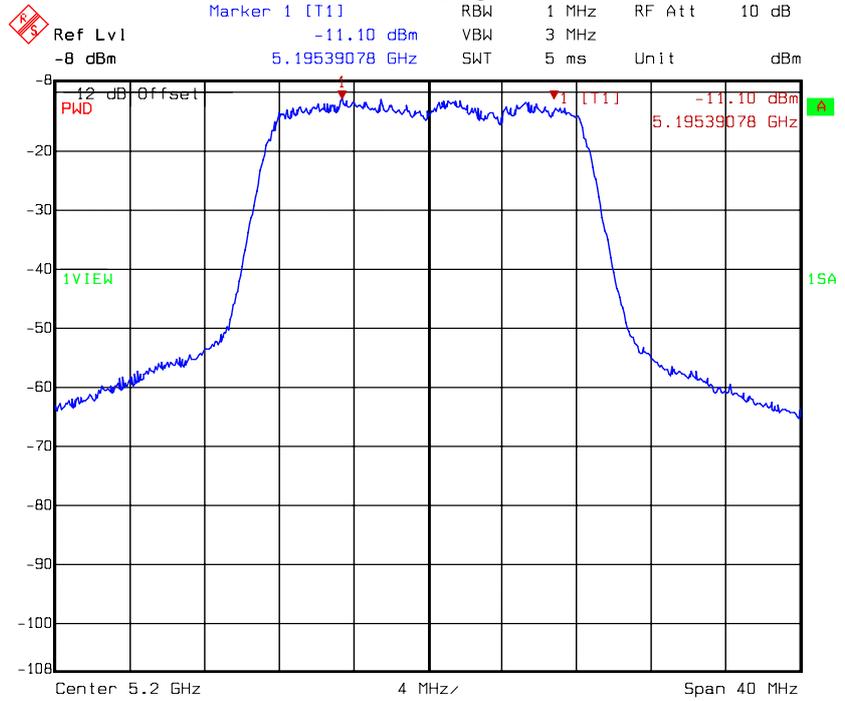
Title: Power Density
Comment A: CH 40 at 802.11a mode chainA
Date: 04.DEC.2008 10:57:31

Antenna 1： **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11a mode channel 48
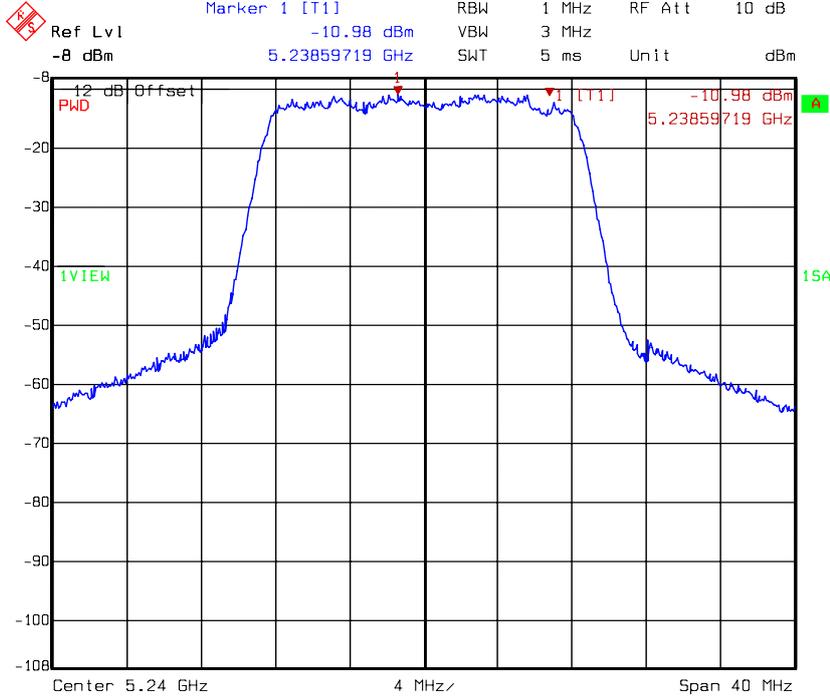
Title: Power Density
Comment A: CH 48 at 802.11a mode chainA
Date: 04.DEC.2008 10:59:47

Chain A: Power Spectral Density @ 802.11a mode channel 52
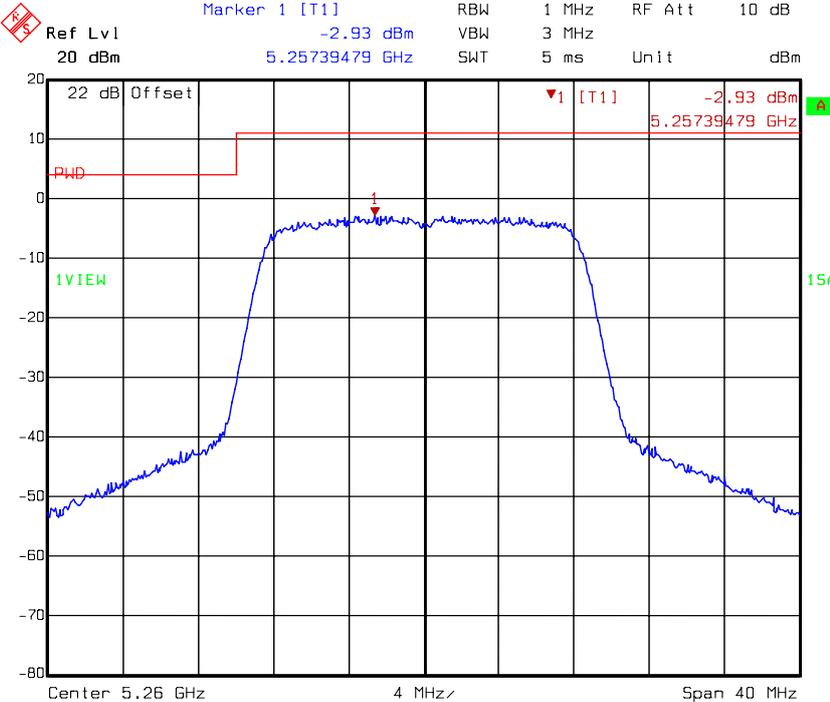
Title: Power Density
Comment A: CH 52 at 802.11a mode
Date: 10.APR.2009 16:24:59

Antenna 1：　　　**C5060-510002-A**

Chain A: Power Spectral Density @ 802.11a mode channel 60
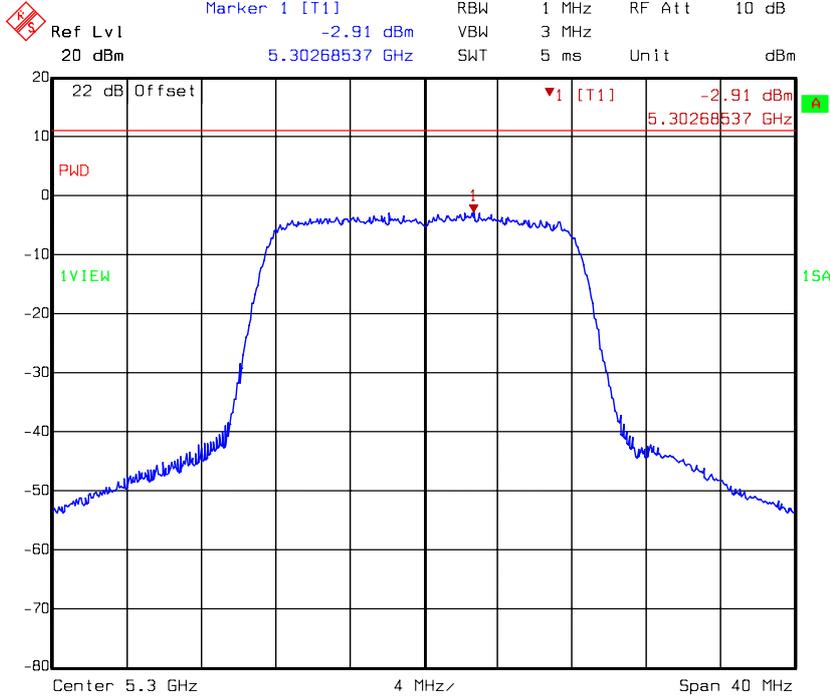
Title: Power Density
Comment A: CH 60 at 802.11a mode
Date: 10.APR.2009 16:28:13

Chain A: Power Spectral Density @ 802.11a mode channel 64
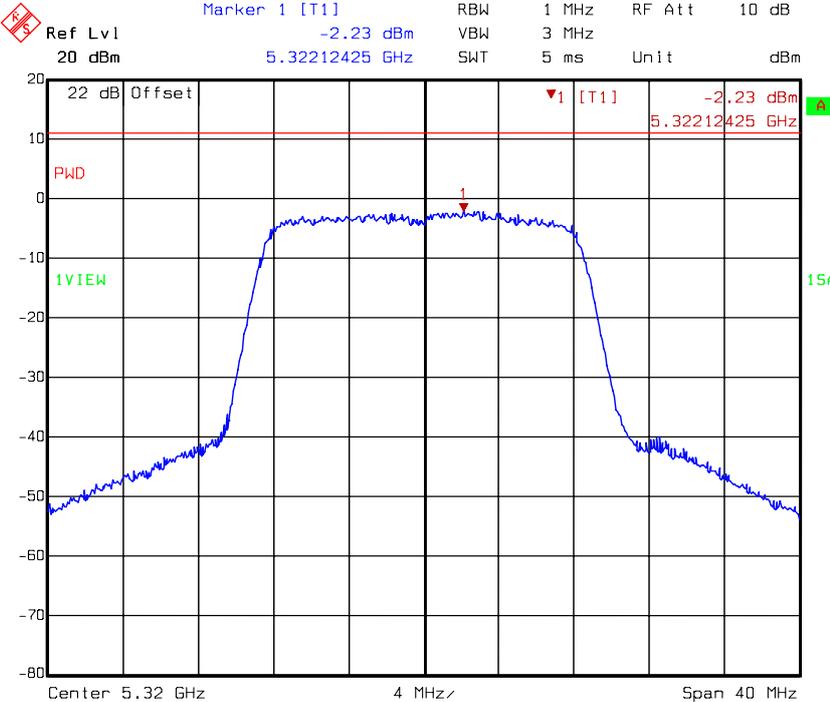
Title: Power Density
Comment A: CH 64 at 802.11a mode
Date: 10.APR.2009 16:31:10

Antenna 1： **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11a mode channel 100
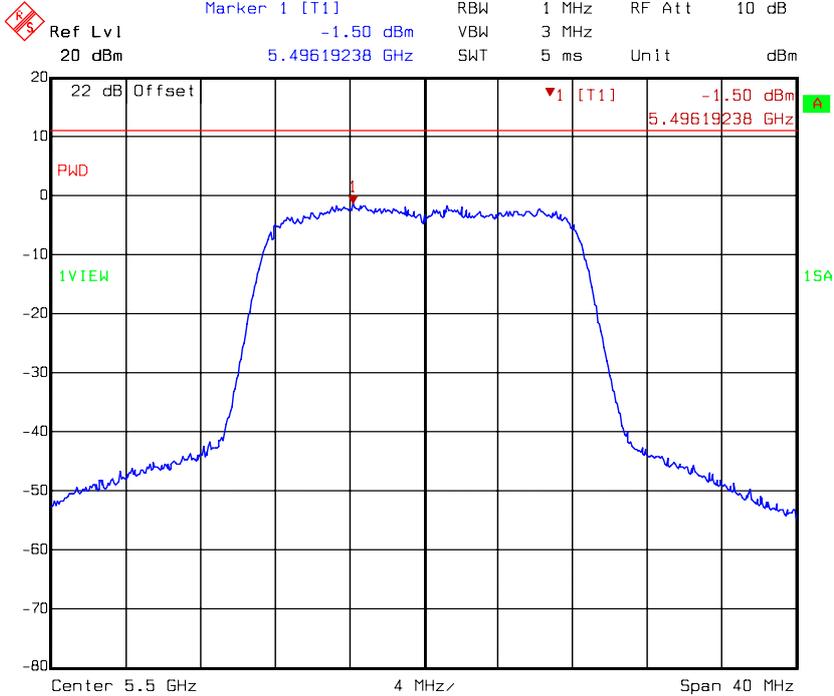
Title: Power Density
Comment A: CH 100 at 802.11a mode
Date: 10.APR.2009 16:34:20

**Chain A:** Power Spectral Density @ 802.11a mode channel 116
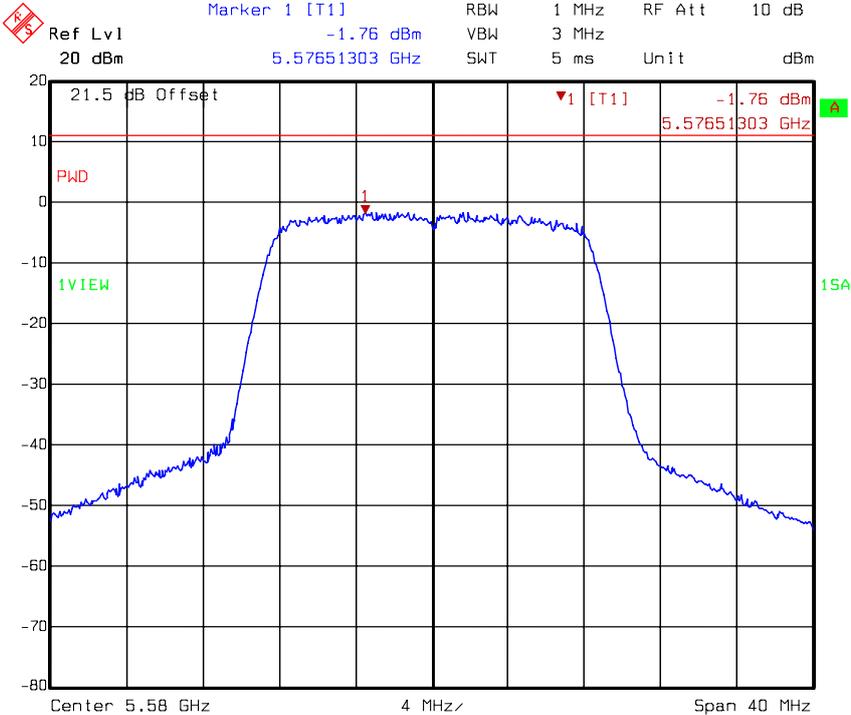
Title: Power Density
Comment A: CH 116 at 802.11a mode chainA
Date: 09.OCT.2009 16:19:31

**Antenna 1：** **C5060-510002-A**
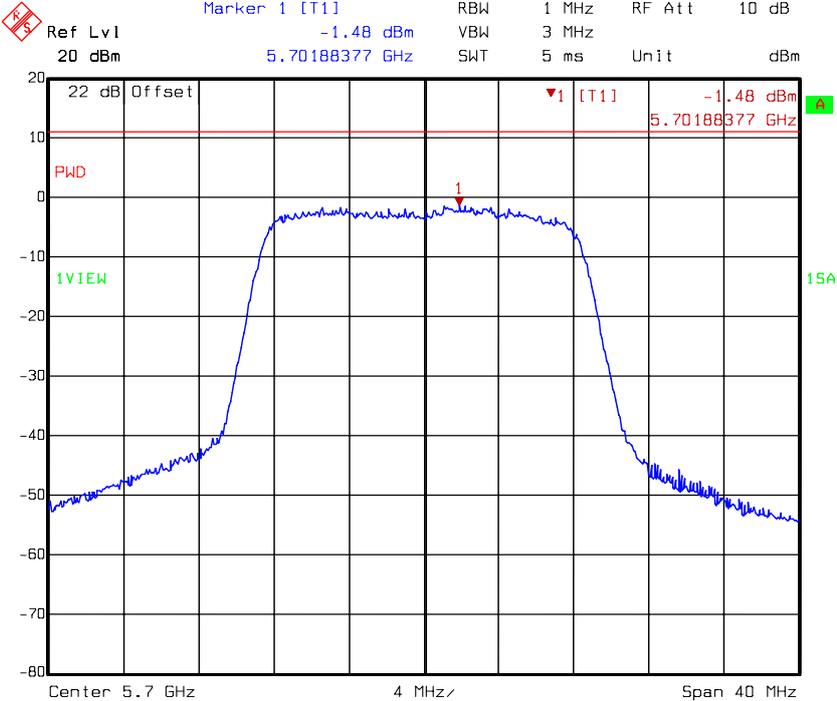
Chain A: Power Spectral Density @ 802.11a mode channel 140

Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 36

Antenna 1： **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 40


```
                    Marker 1 [T1]          RBW    1 MHz   RF Att   10 dB
  Ref Lvl                 -11.57 dBm       VBW    3 MHz
  -8 dBm               5.17603206 GHz      SWT    5 ms    Unit      dBm
```
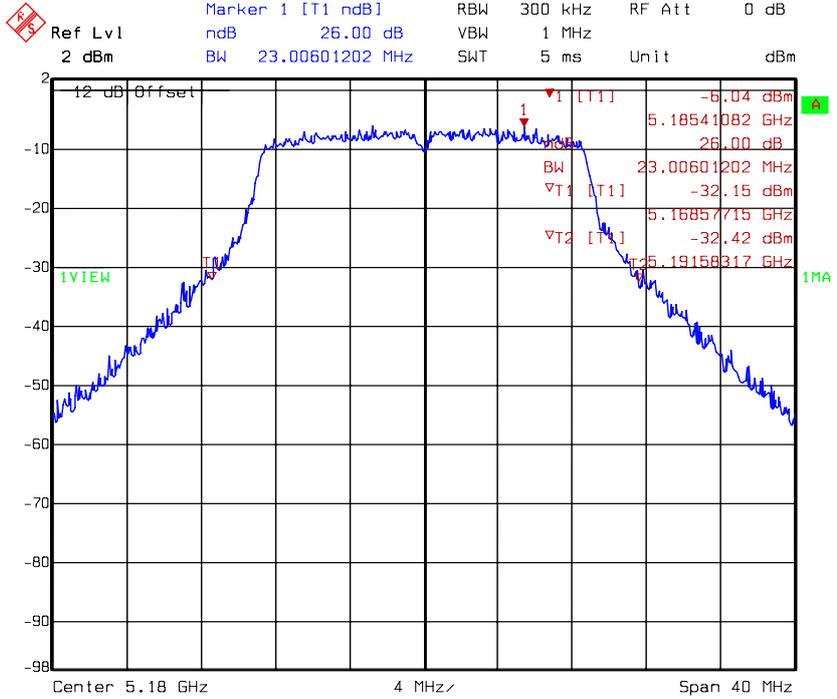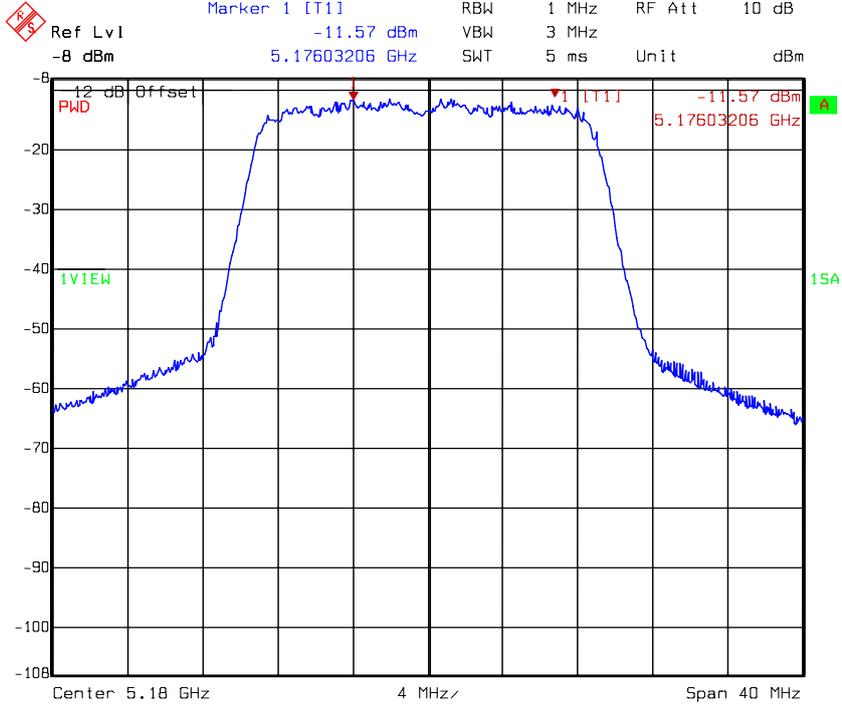
Title: Power Density
Comment A: 5.180G at 802.11n mode HT20 chainA
Date: 04.DEC.2008 11:21:59

Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 48


```
                    Marker 1 [T1]          RBW    1 MHz   RF Att   10 dB
  Ref Lvl                 -11.75 dBm       VBW    3 MHz
  -8 dBm               5.20356713 GHz      SWT    5 ms    Unit      dBm
```
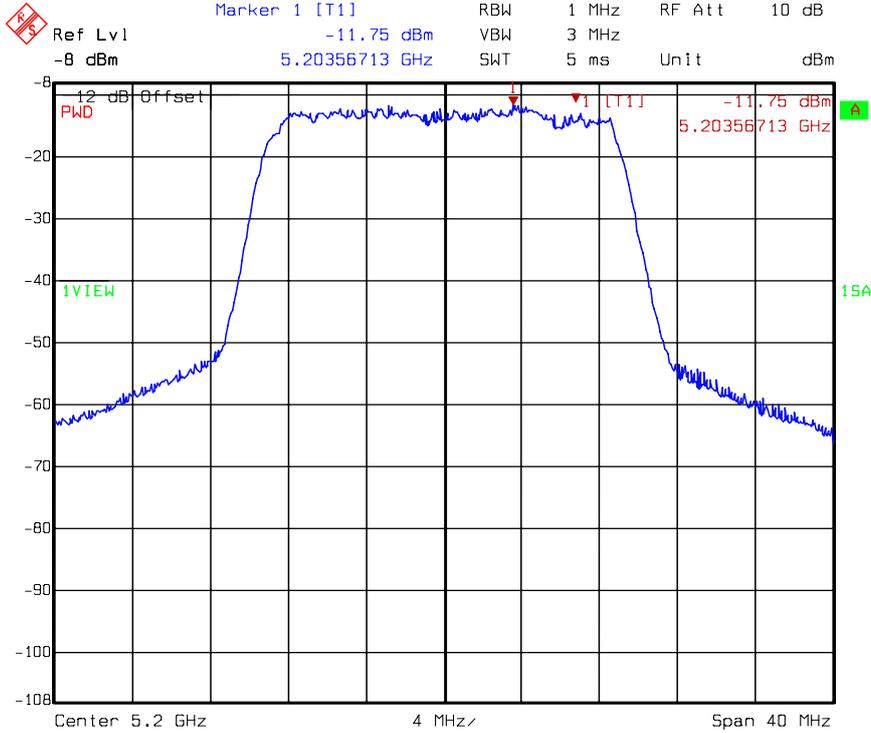
Title: Power Density
Comment A: 5.200G at 802.11n mode HT20 chainA
Date: 04.DEC.2008 11:26:58

Antenna 1： **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 52
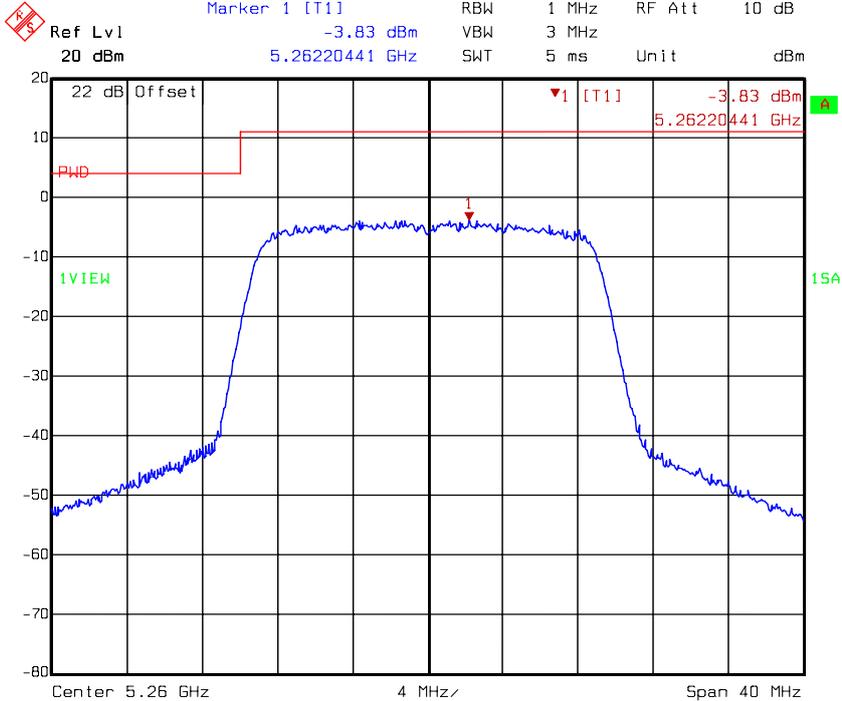

```
                         Marker 1 [T1]          RBW     1 MHz    RF Att    10 dB
    Ref Lvl                    -3.83 dBm         VBW     3 MHz
    20 dBm                5.26220441 GHz         SWT     5 ms     Unit       dBm
20
    22 dB Offset                              ▼1 [T1]            -3.83 dBm   A
10                                                         5.26220441 GHz
    PWD
 0
-10
    1VIEW                                                                   1SA
-20
-30
-40
-50
-60
-70
-80
    Center 5.26 GHz                4 MHz/                  Span 40 MHz

Title:      Power Density
Comment A: CH 52 at 802.11a mode
Date:       10.APR.2009  16:47:31
```

Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 60
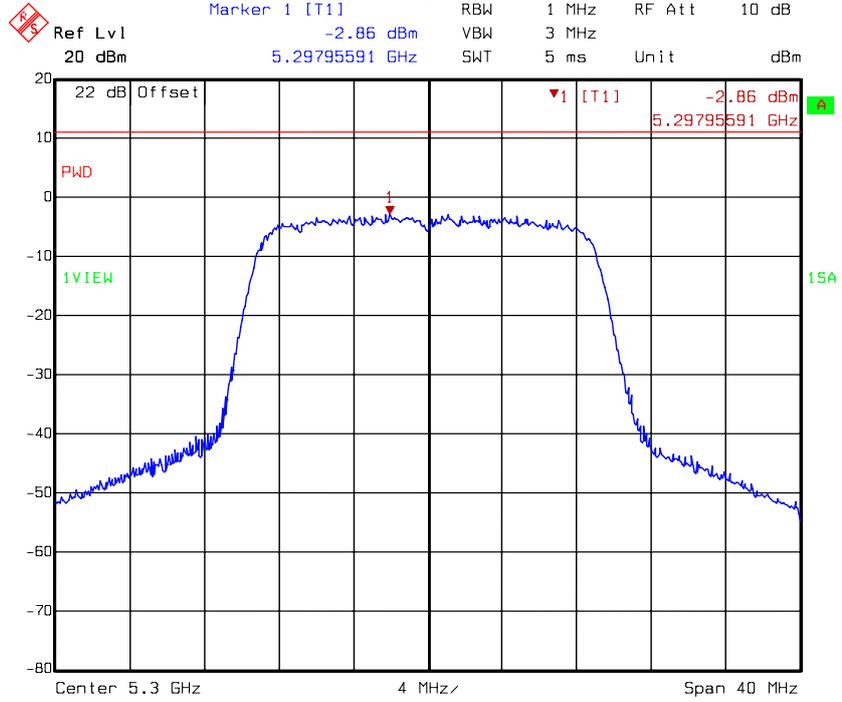

```
                         Marker 1 [T1]          RBW     1 MHz    RF Att    10 dB
    Ref Lvl                    -2.86 dBm         VBW     3 MHz
    20 dBm                5.29795591 GHz         SWT     5 ms     Unit       dBm
20
    22 dB Offset                              ▼1 [T1]            -2.86 dBm   A
10                                                         5.29795591 GHz
    PWD
 0
-10
    1VIEW                                                                   1SA
-20
-30
-40
-50
-60
-70
-80
    Center 5.3 GHz                 4 MHz/                  Span 40 MHz

Title:      Power Density
Comment A: CH 60 at 802.11a mode
Date:       10.APR.2009  16:50:04
```

Antenna 1： **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 64
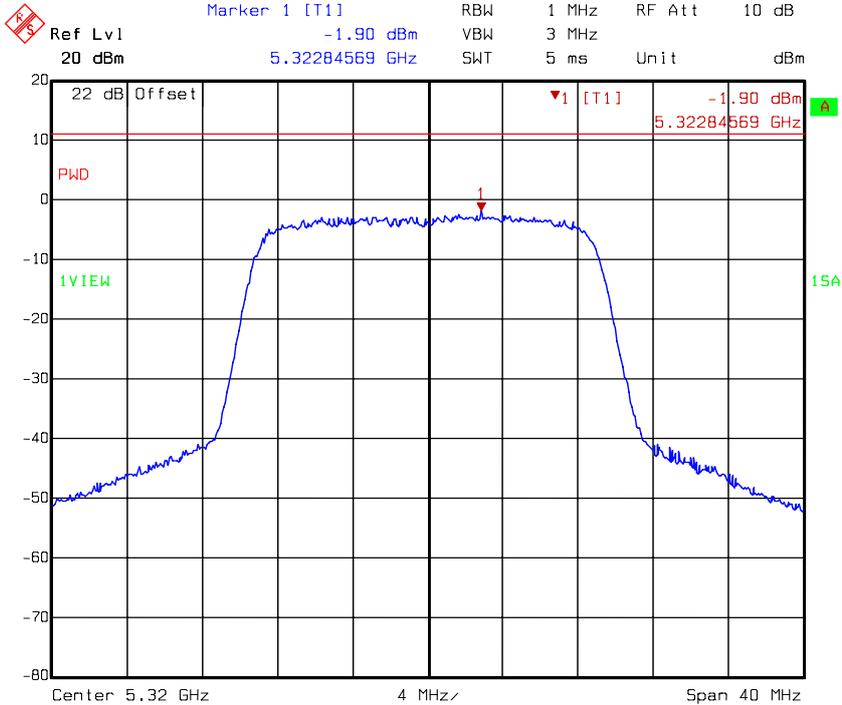
Title: Power Density
Comment A: CH 64 at 802.11a mode
Date: 10.APR.2009 16:52:52

### Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 100
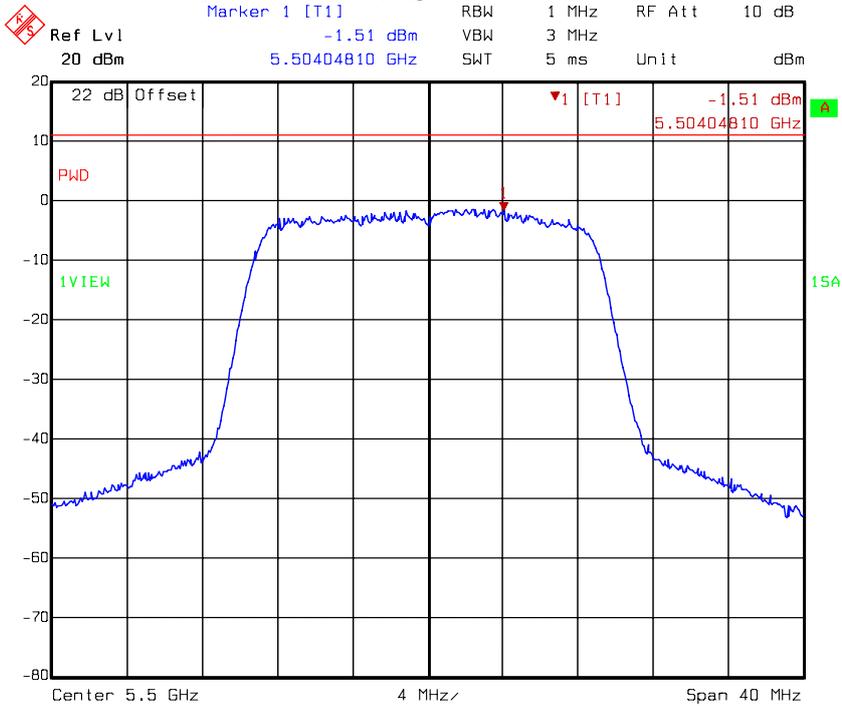

Title: Power Density
Comment A: CH 100 at 802.11a mode
Date: 10.APR.2009 16:55:40

Antenna 1： **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 116

```
                          Marker 1 [T1]        RBW    1 MHz    RF Att    10 dB
        Ref Lvl                    -2.12 dBm   VBW    3 MHz
        20 dBm             5.57739479 GHz      SWT    5 ms     Unit      dBm
 20
        21.5 dB Offset                              ▼1 [T1]         -2.12 dBm    A
 10                                                         5.57739479 GHz
        PWD
  0                                    1
-10
        1VIEW                                                             15A
-20
-30
-40
-50
-60
-70
-80
        Center 5.58 GHz              4 MHz/               Span 40 MHz
```

```
Title:       Power Density
Comment A: 5.580G at 802.11n mode HT20 chainA
Date:        09.OCT.2009  16:26:10
```

Chain A: Power Spectral Density @ 802.11n (HT20) mode channel 140

```
                          Marker 1 [T1]        RBW    1 MHz    RF Att    10 dB
        Ref Lvl                    -1.89 dBm   VBW    3 MHz
        20 dBm             5.70396794 GHz      SWT    5 ms     Unit      dBm
 20
        22 dB Offset                                ▼1 [T1]         -1.89 dBm    A
 10                                                         5.70396794 GHz
        PWD
  0                                            1
-10
        1VIEW                                                             15A
-20
-30
-40
-50
-60
-70
-80
        Center 5.7 GHz               4 MHz/               Span 40 MHz
```

```
Title:       Power Density
Comment A: CH 140 at 802.11a mode
Date:        10.APR.2009  17:01:44
```

Antenna 1： **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11n (HT40) mode channel 38

Chain A: Power Spectral Density @ 802.11n (HT40) mode channel 46

Antenna 1： **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11n (HT40) mode channel 54

Chain A: Power Spectral Density @ 802.11n (HT40) mode channel 62

Antenna 1：   **C5060-510002-A**

Chain A: Power Spectral Density @ 802.11n (HT40) mode channel 102


```
Title:     Power Density
Comment A: CH 102 at 802.11a mode
Date:      10.APR.2009  17:13:08
```

Chain A: Power Spectral Density @ 802.11n (HT40) mode channel 110


```
Title:     Power Density
Comment A: 5.550G at 802.11n mode HT40 chainA
Date:      09.OCT.2009  16:30:18
```

Antenna 1： **C5060-510002-A**
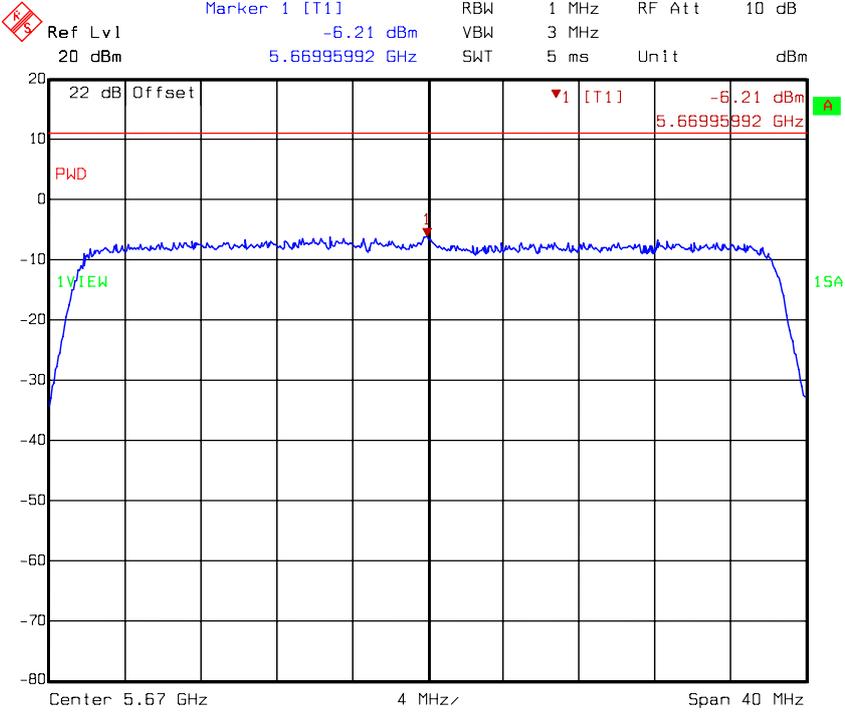
Chain A: Power Spectral Density @ 802.11n (HT40) mode channel 134

Chain B: Power Spectral Density @ 802.11a mode channel 36

Antenna 1： **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11a mode channel 40


```
                    Marker 1 [T1]           RBW    1 MHz    RF Att    10 dB
Ref Lvl                     -13.13 dBm      VBW    3 MHz
  -8 dBm            5.20637275 GHz          SWT    5 ms     Unit      dBm
```

Title: Power Density
Comment A: CH 40 at 802.11a mode chainB
Date: 04.DEC.2008 12:16:21

### Chain B: Power Spectral Density @ 802.11a mode channel 48


```
                    Marker 1 [T1]           RBW    1 MHz    RF Att    10 dB
Ref Lvl                     -12.93 dBm      VBW    3 MHz
  -8 dBm            5.23426854 GHz          SWT    5 ms     Unit      dBm
```
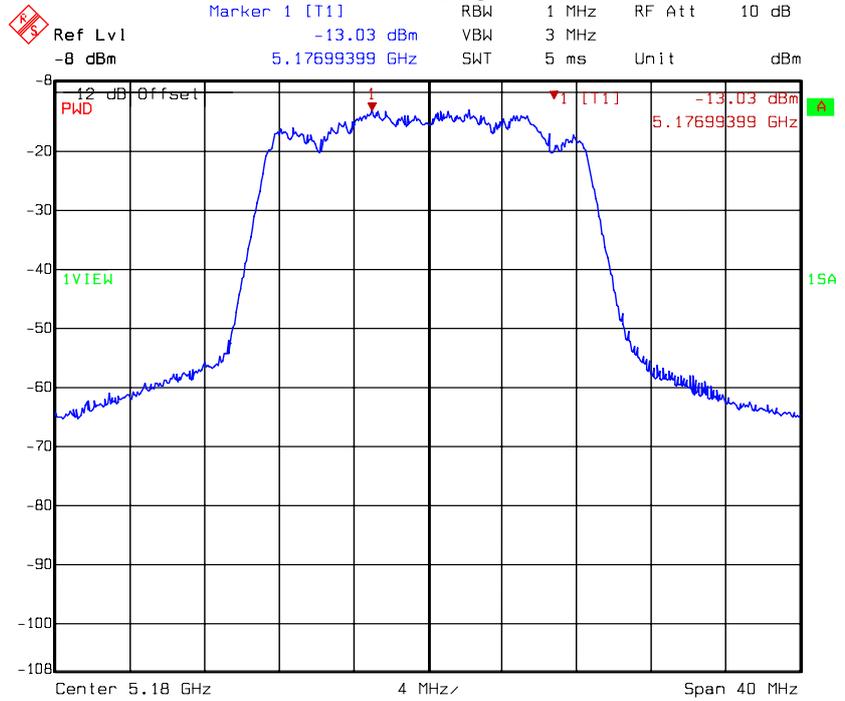
Title: Power Density
Comment A: CH 48 at 802.11a mode chainB
Date: 04.DEC.2008 12:19:27

Antenna 1： **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11a mode channel 52
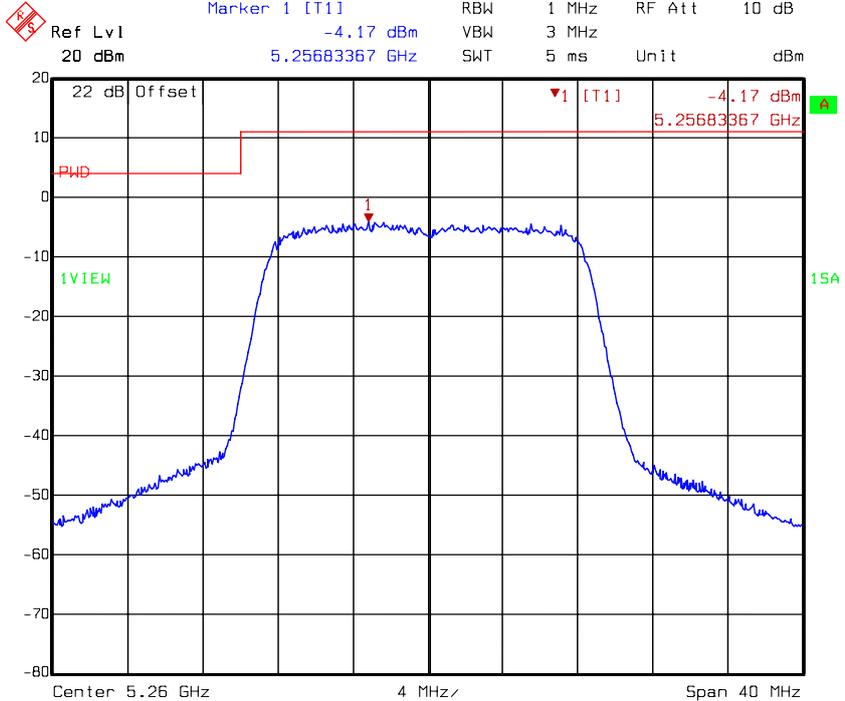
Title: Power Density
Comment A: CH 52 at 802.11a mode
Date: 13.APR.2009 11:32:08

Chain B: Power Spectral Density @ 802.11a mode channel 60
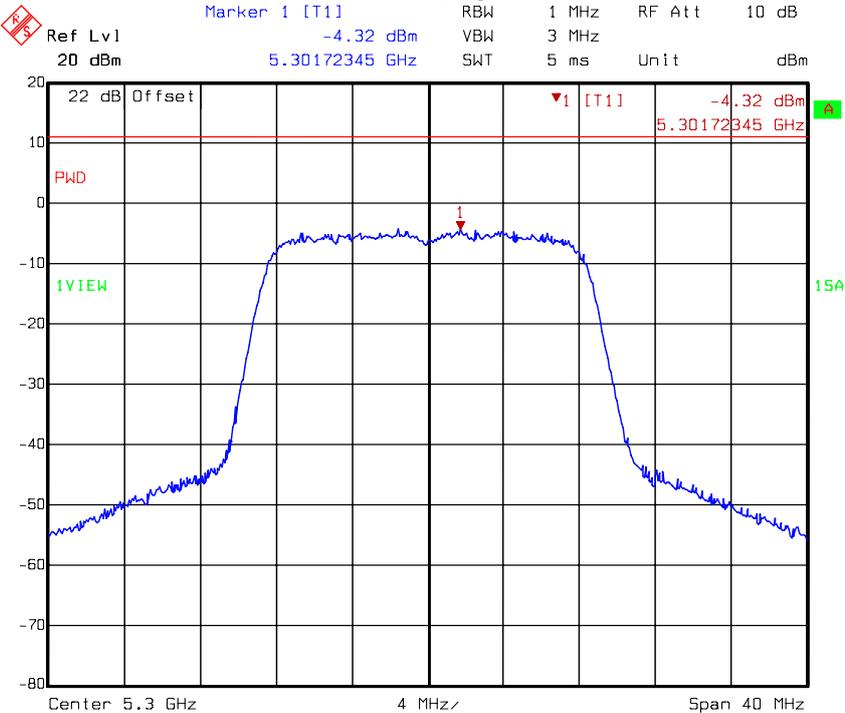
Title: Power Density
Comment A: CH 60 at 802.11a mode
Date: 13.APR.2009 13:41:58

Antenna 1： **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11a mode channel 64
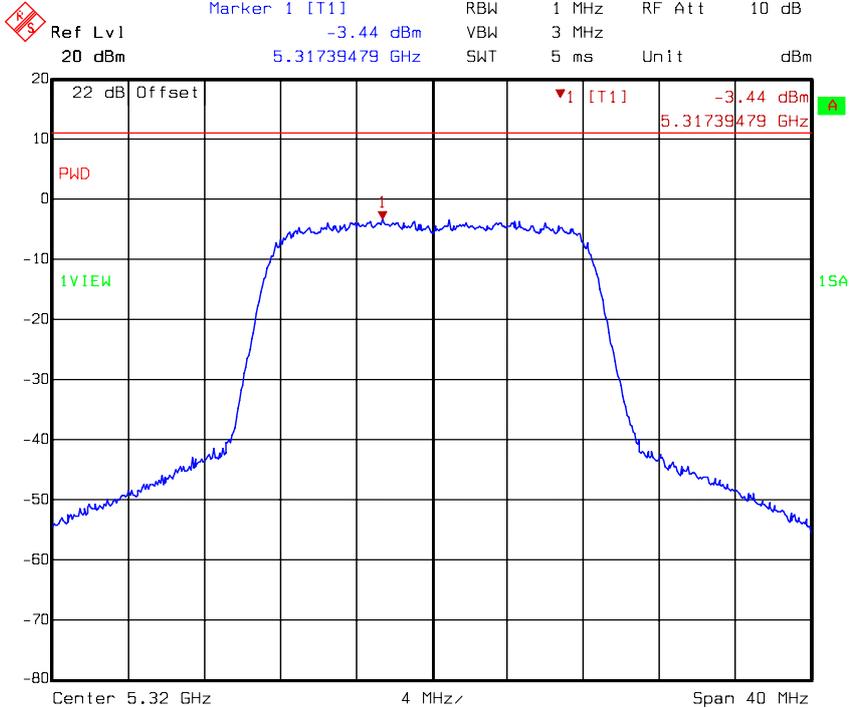
Title: Power Density
Comment A: CH 64 at 802.11a mode
Date: 13.APR.2009 13:44:35

Chain B: Power Spectral Density @ 802.11a mode channel 100
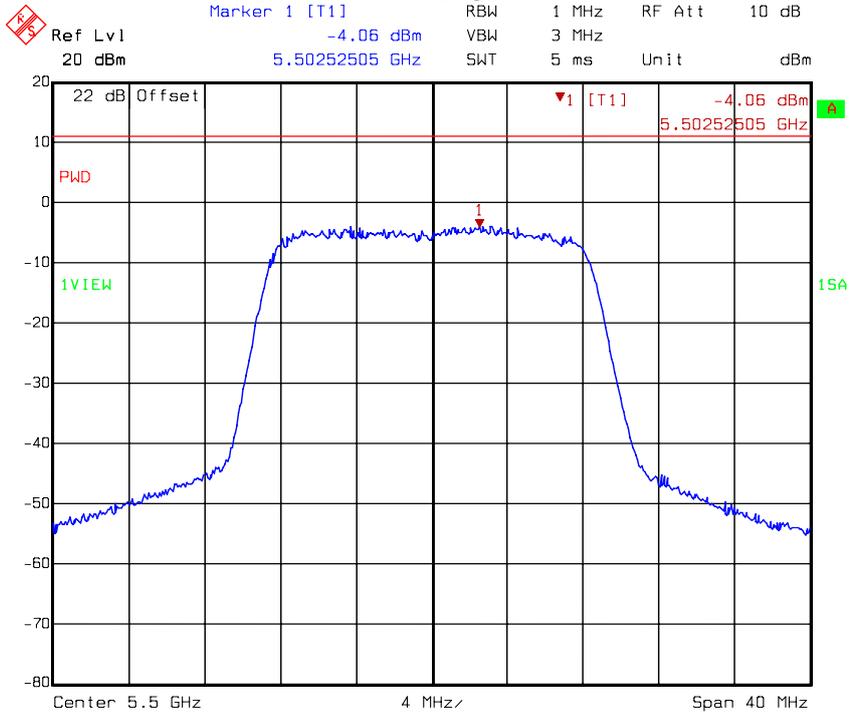
Title: Power Density
Comment A: CH 100 at 802.11a mode
Date: 13.APR.2009 13:47:10

Antenna 1：   **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11a mode channel 116
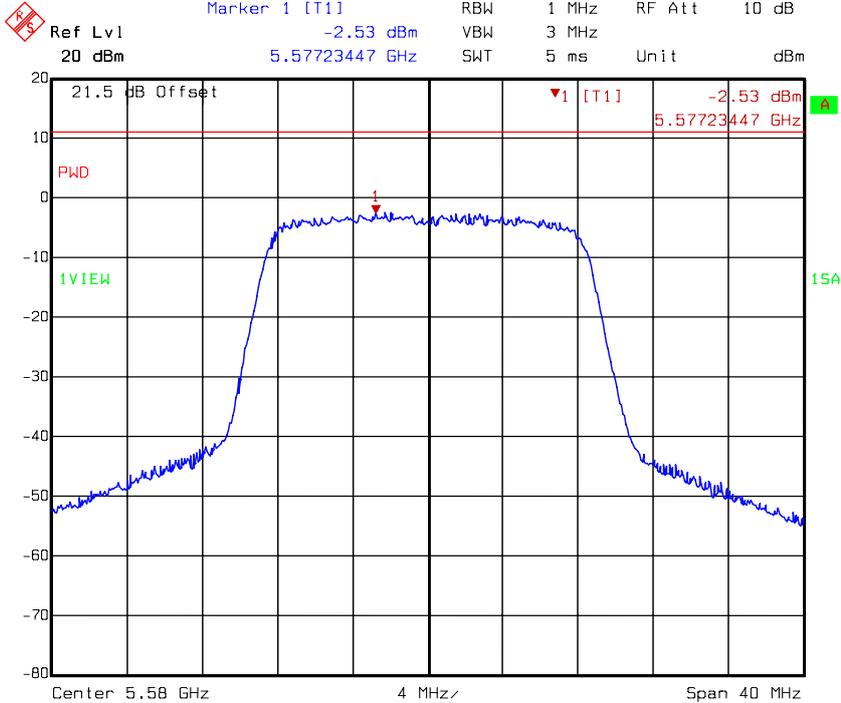
Title: Power Density
Comment A: CH 116 at 802.11a mode chainB
Date: 09.OCT.2009 17:05:08

Chain B: Power Spectral Density @ 802.11a mode channel 140
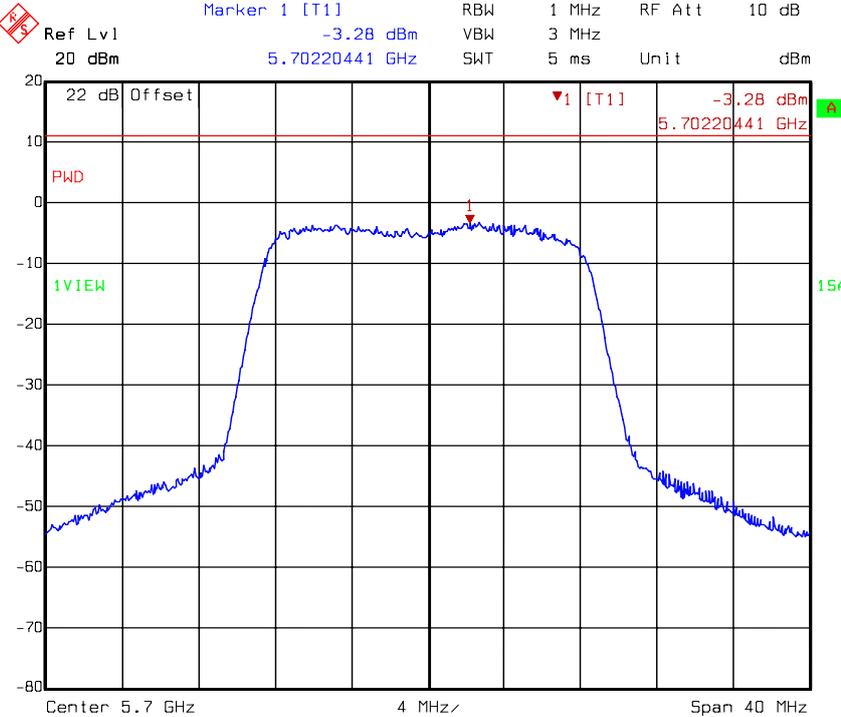
Title: Power Density
Comment A: CH 140 at 802.11a mode
Date: 13.APR.2009 13:53:36

Antenna 1：　　　**C5060-510002-A**

Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 36
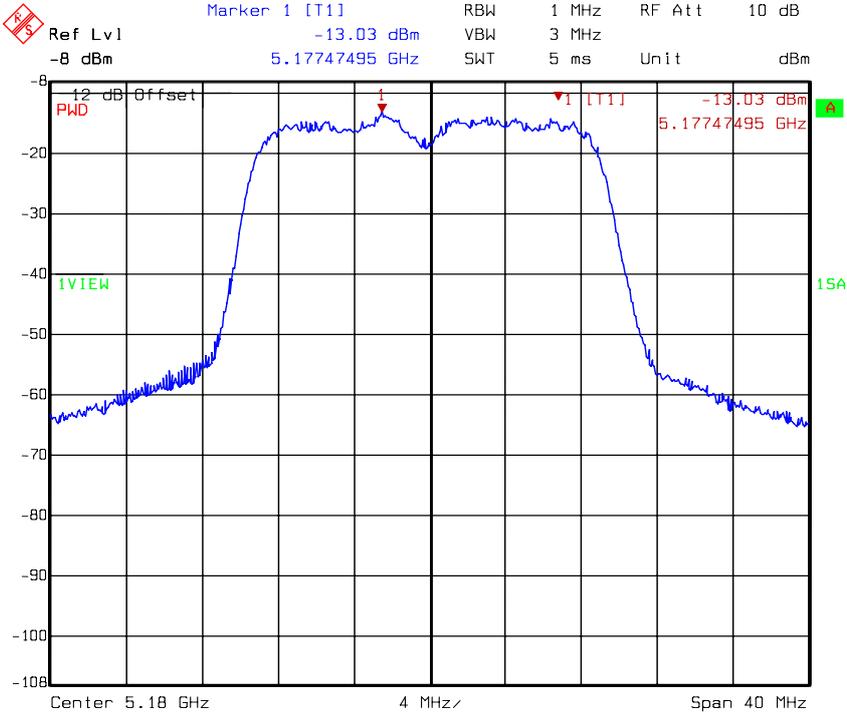

```
Title:      Power Density
Comment A: 5.180G at 802.11n mode HT20 chainB
Date:       04.DEC.2008  11:58:12
```

Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 40
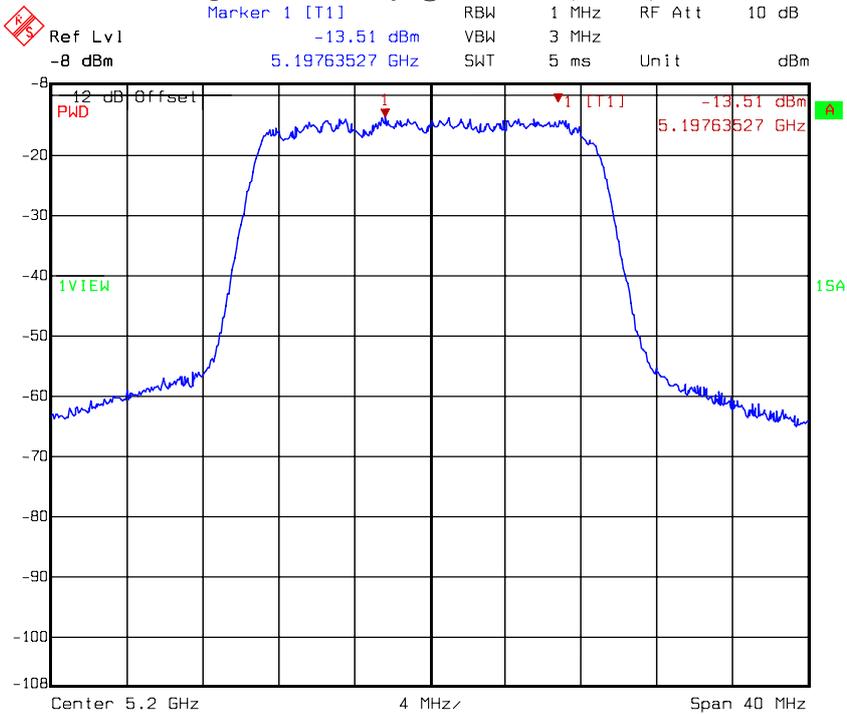

```
Title:      Power Density
Comment A: 5.200G at 802.11n mode HT20 chainB
Date:       04.DEC.2008  12:02:58
```

Antenna 1： **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 48

Marker 1 [T1]		RBW	1 MHz	RF Att 10 dB
Ref Lvl	-13.04 dBm	VBW	3 MHz	
-8 dBm	5.23394790 GHz	SWT	5 ms	Unit dBm
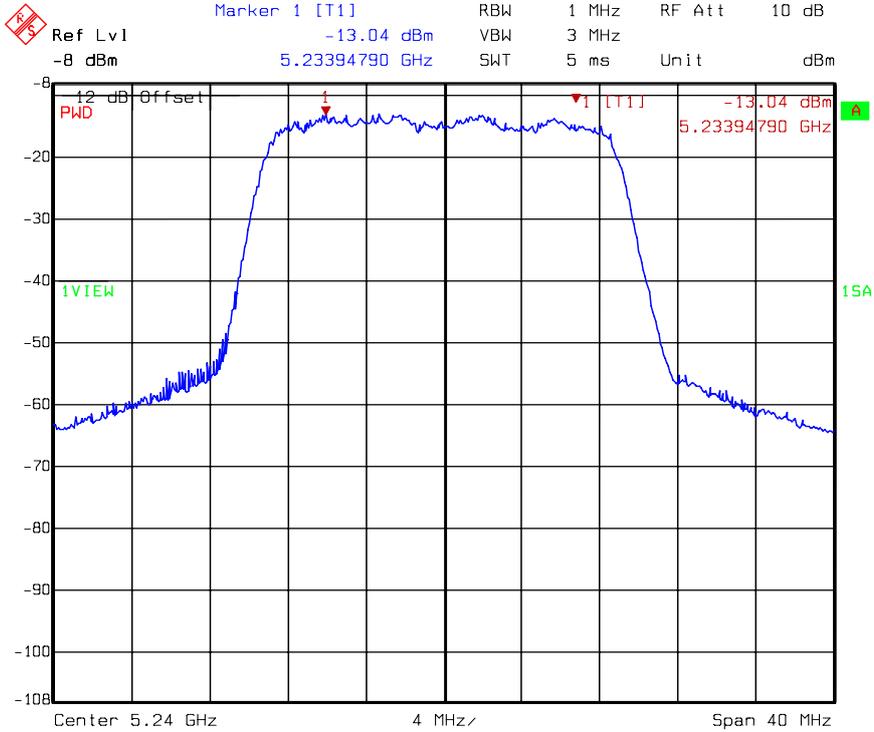
Title: Power Density
Comment A: 5.240G at 802.11n mode HT20 chainB
Date: 04.DEC.2008 12:06:09

Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 52

|				
Marker 1 [T1]		RBW	1 MHz	RF Att 10 dB
Ref Lvl	-4.89 dBm	VBW	3 MHz	
20 dBm	5.25811623 GHz	SWT	5 ms	Unit dBm
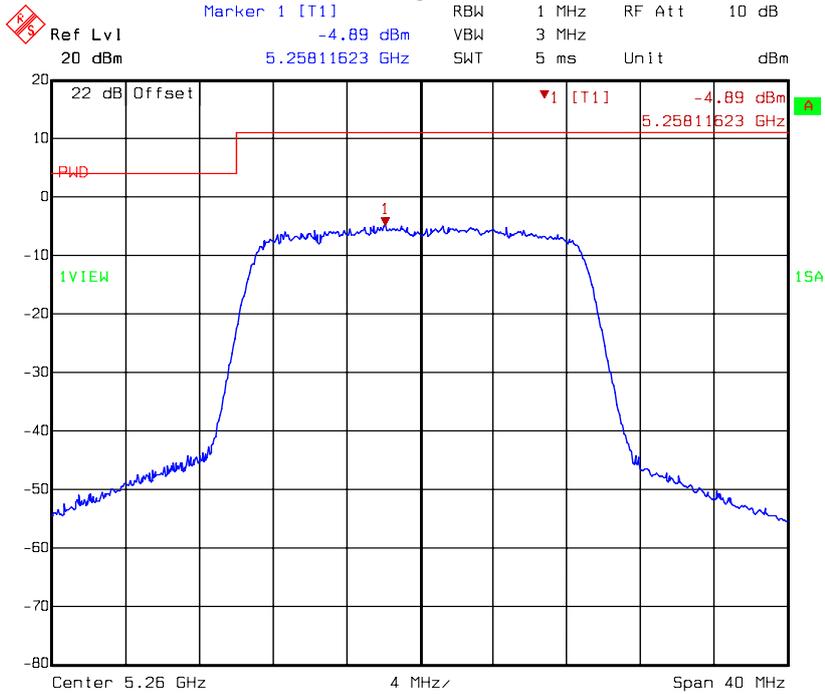
Title: Power Density
Comment A: CH 52 at 802.11a mode
Date: 13.APR.2009 13:56:25

Antenna 1： **C5060-510002-A**
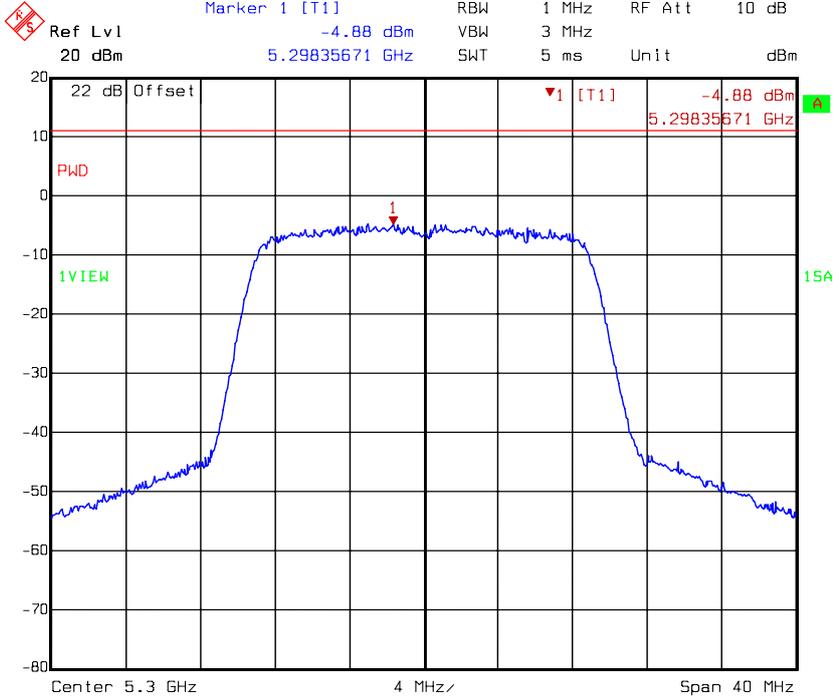
Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 60

Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 64

Antenna 1： **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 100

	Marker 1 [T1]		RBW	1 MHz	RF Att 10 dB
Ref Lvl		-4.96 dBm	VBW	3 MHz	
20 dBm		5.50084168 GHz	SWT	5 ms	Unit dBm

```
20
          22 dB Offset                              ▼1 [T1]        -4.96 dBm   A
                                                                 5.50084168 GHz
10
          PWD
 0
                                              1
                                              ▼
-10
          1VIEW                                                              1SA
-20

-30

-40

-50

-60

-70

-80
          Center 5.5 GHz              4 MHz/              Span 40 MHz
```
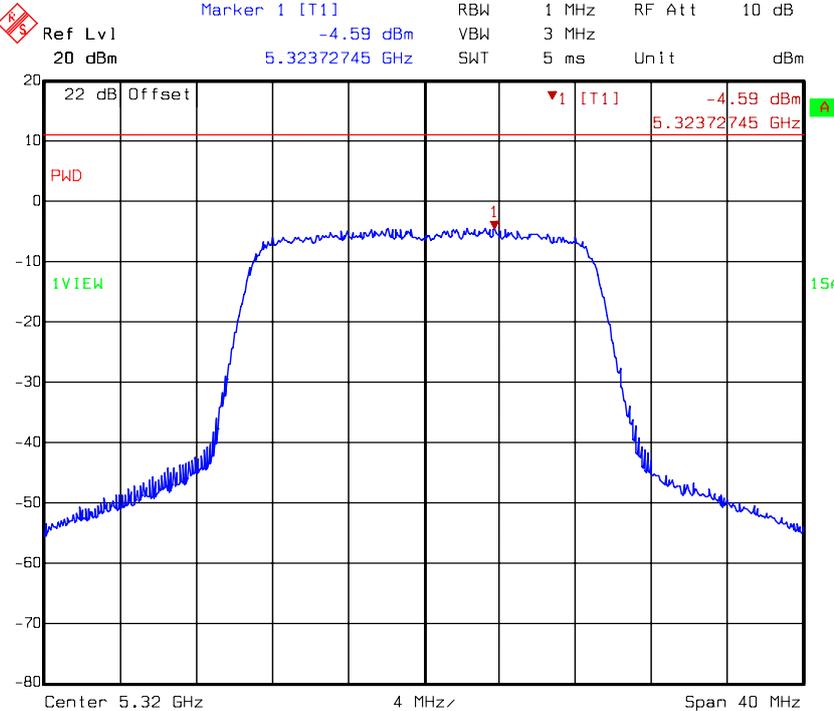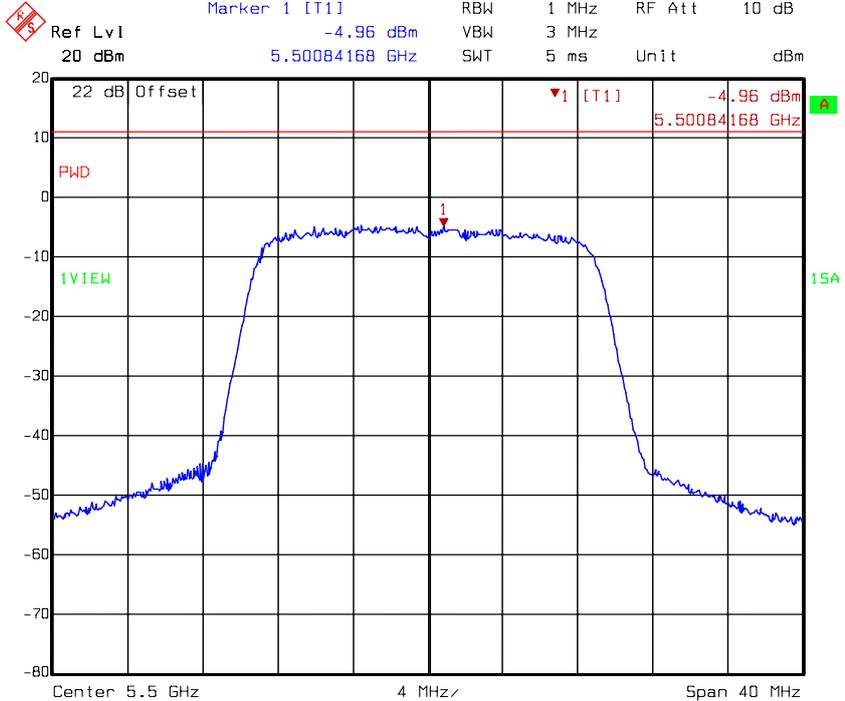
Title: Power Density
Comment A: CH 100 at 802.11a mode
Date: 13.APR.2009 14:04:01

Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 116

	Marker 1 [T1]		RBW	1 MHz	RF Att 10 dB
Ref Lvl		-2.82 dBm	VBW	3 MHz	
20 dBm		5.57779559 GHz	SWT	5 ms	Unit dBm

```
20
          21.5 dB Offset                            ▼1 [T1]        -2.82 dBm   A
                                                                 5.57779559 GHz
10
          PWD
 0
                                              1
                                              ▼
-10
          1VIEW                                                              1SA
-20

-30

-40

-50

-60

-70

-80
          Center 5.58 GHz              4 MHz/              Span 40 MHz
```
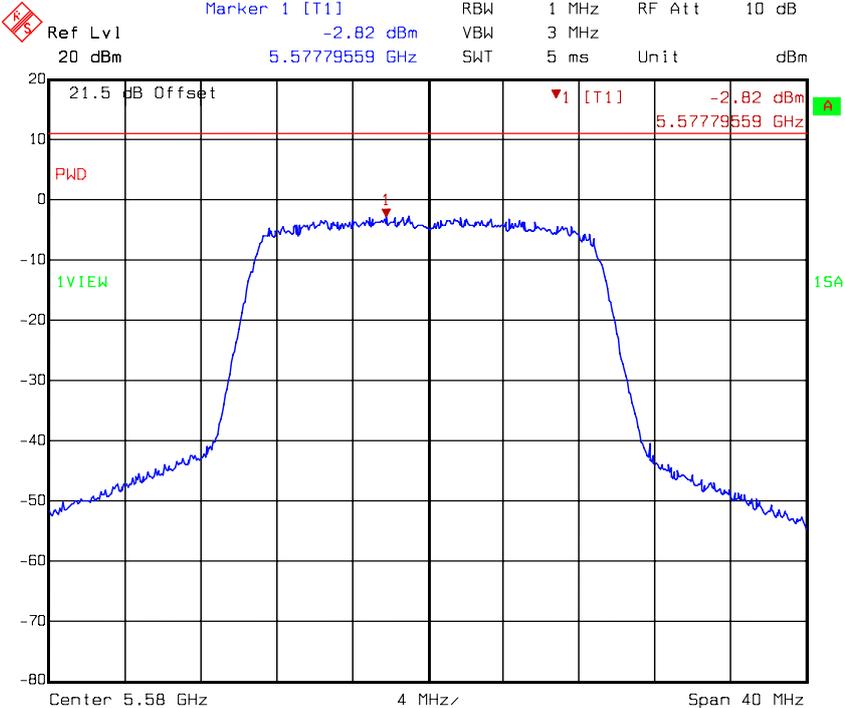
Title: Power Density
Comment A: 5.580G at 802.11n mode HT20 chainB
Date: 09.OCT.2009 17:11:46

Antenna 1：   **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11n (HT20) mode channel 140
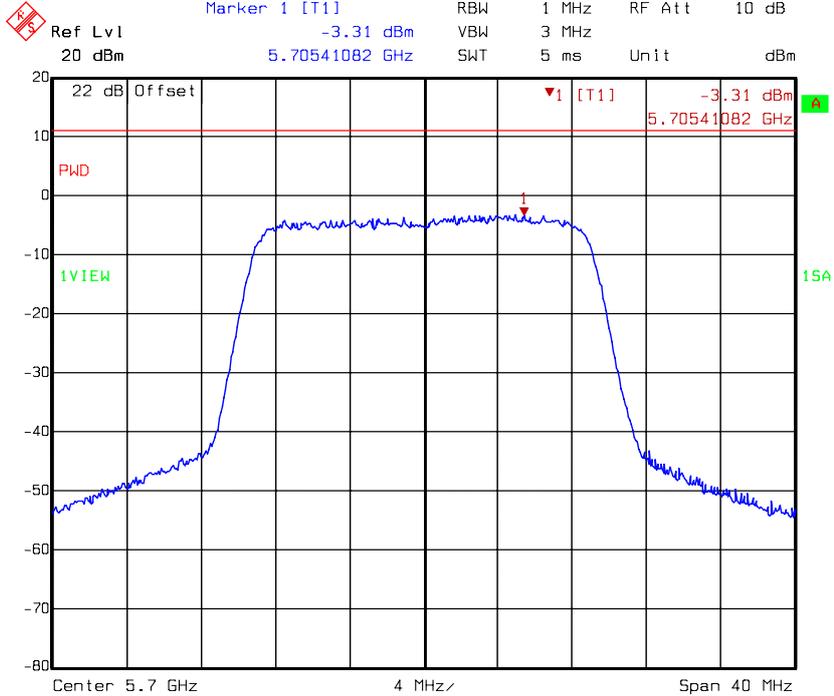

```
Title:     Power Density
Comment A: CH 140 at 802.11a mode
Date:      13.APR.2009  14:12:46
```

Chain B: Power Spectral Density @ 802.11n (HT40) mode channel 38
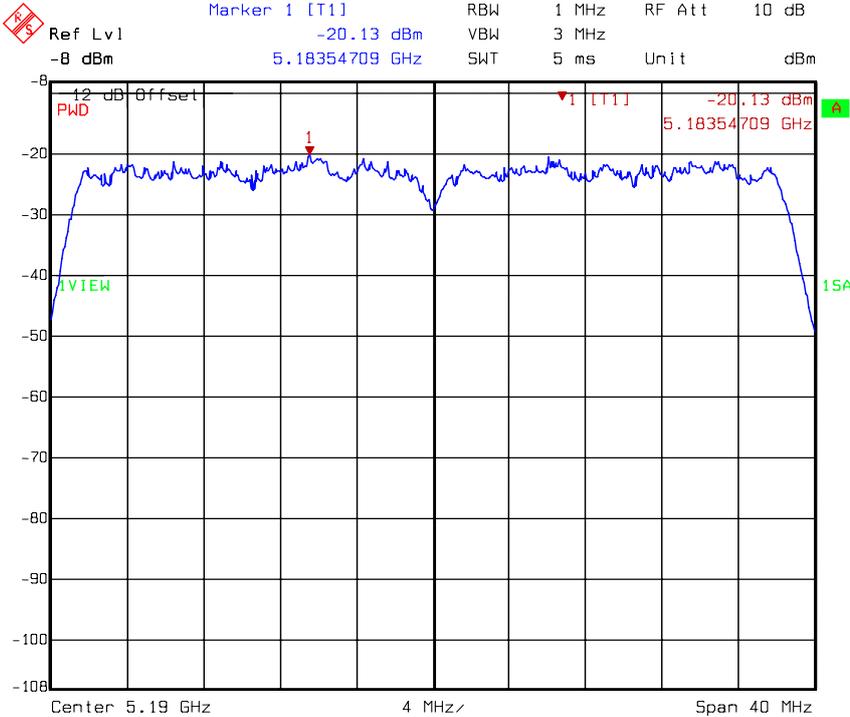

```
Title:     Power Density
Comment A: 5.190G at 802.11n mode HT40 chainB
Date:      04.DEC.2008  11:52:03
```

Antenna 1： **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11n (HT40) mode channel 46
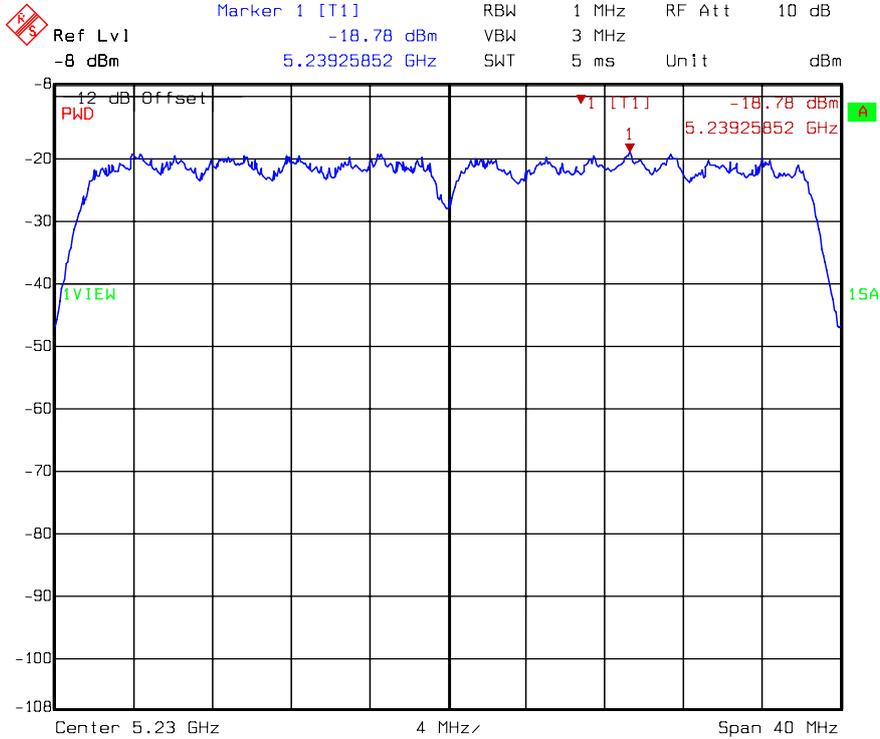

```
Title:      Power Density
Comment A: 5.230G at 802.11n mode HT40 chainB
Date:       04.DEC.2008  11:49:17
```

**Chain B:** Power Spectral Density @ 802.11n (HT40) mode channel 54
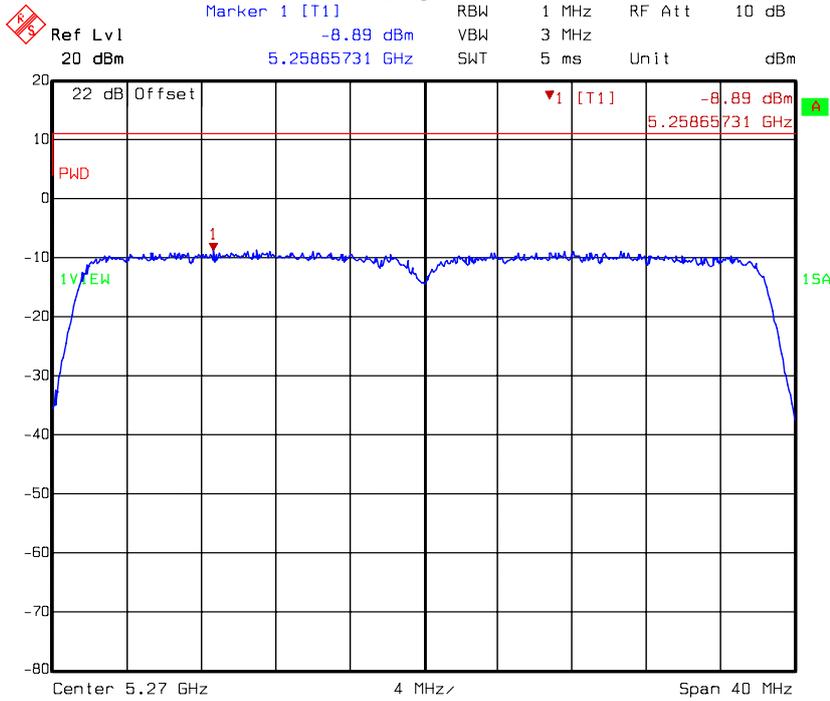

```
Title:      Power Density
Comment A: CH 54 at 802.11a mode
Date:       13.APR.2009  14:20:13
```

Antenna 1： **C5060-510002-A**

Chain B: Power Spectral Density @ 802.11n (HT40) mode channel 62
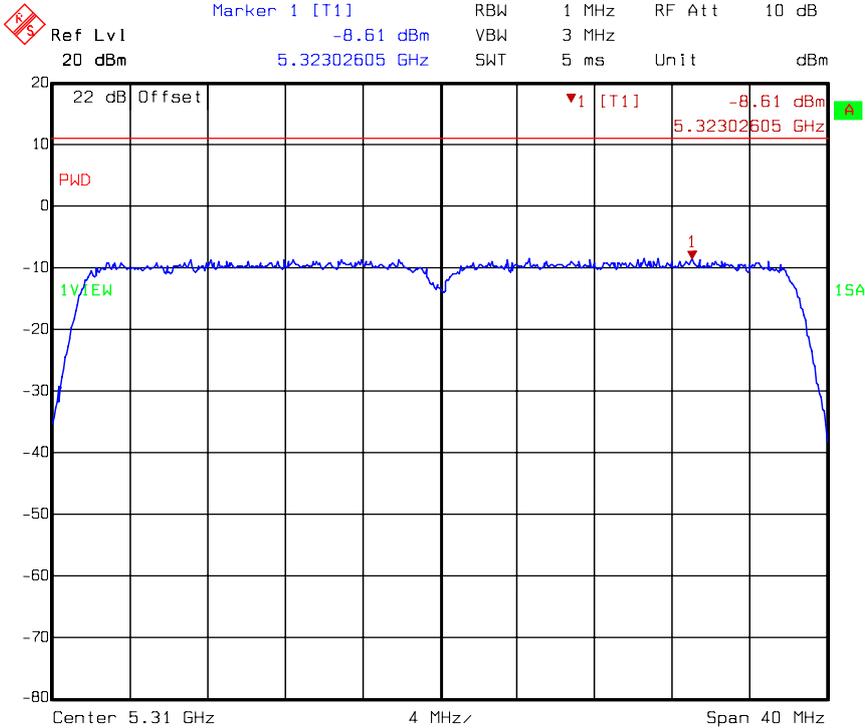

```
Title:      Power Density
Comment A: CH 62 at 802.11a mode
Date:       13.APR.2009  14:23:03
```

**Chain B:** Power Spectral Density @ 802.11n (HT40) mode channel 102
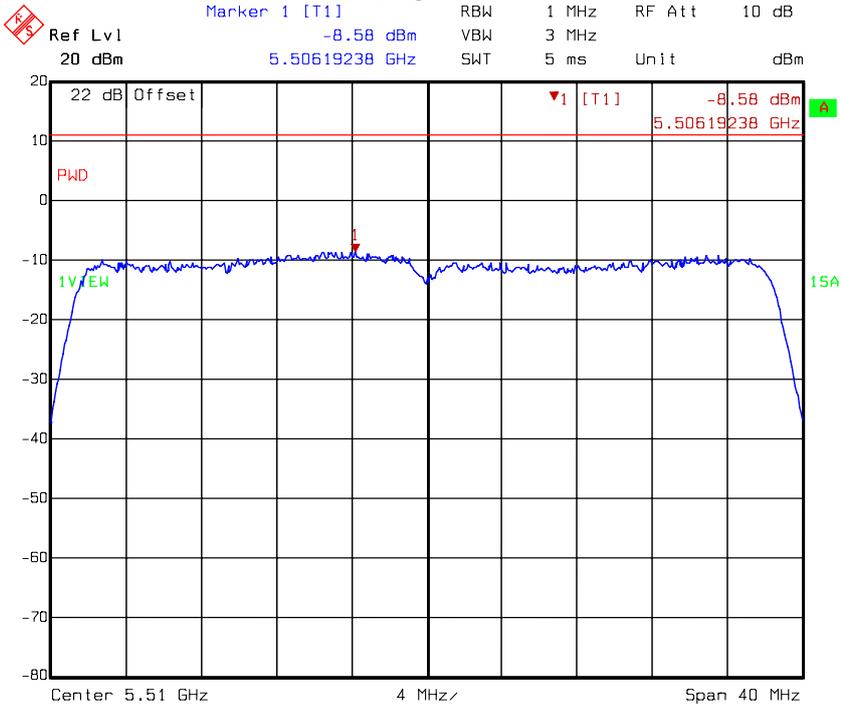

```
Title:      Power Density
Comment A: CH 102 at 802.11a mode
Date:       13.APR.2009  14:26:56
```

Antenna 1：　　　**C5060-510002-A**

Chain B: Power Spectral Density @ 802.11n (HT40) mode channel 110


```
                    Marker 1 [T1]         RBW    1 MHz   RF Att    10 dB
        Ref Lvl              -7.39 dBm    VBW    3 MHz
        20 dBm         5.54482966 GHz     SWT    5 ms    Unit       dBm
```
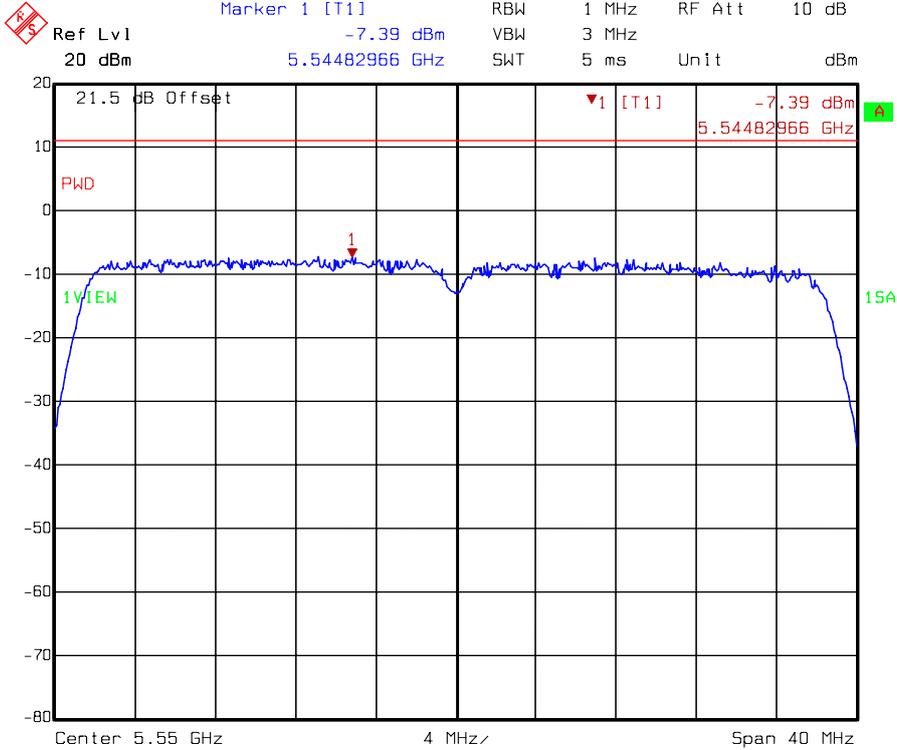
Title: Power Density
Comment A: 5.550G at 802.11n mode HT40 chainB
Date: 09.OCT.2009   17:14:53

**Chain B:** Power Spectral Density @ 802.11n (HT40) mode channel 134


```
                    Marker 1 [T1]         RBW    1 MHz   RF Att    10 dB
        Ref Lvl              -7.93 dBm    VBW    3 MHz
        20 dBm         5.65713427 GHz     SWT    5 ms    Unit       dBm
```
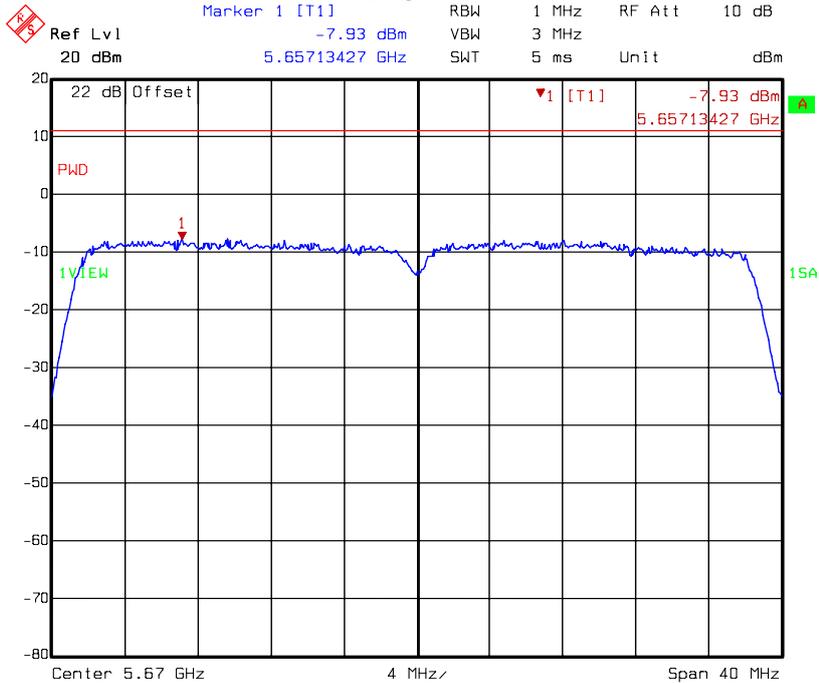
Title: Power Density
Comment A: CH 134 at 802.11a mode
Date: 13.APR.2009   14:32:12

Antenna 1：   C5060-510002-A

Chain C: Power Spectral Density @ 802.11a mode channel 36
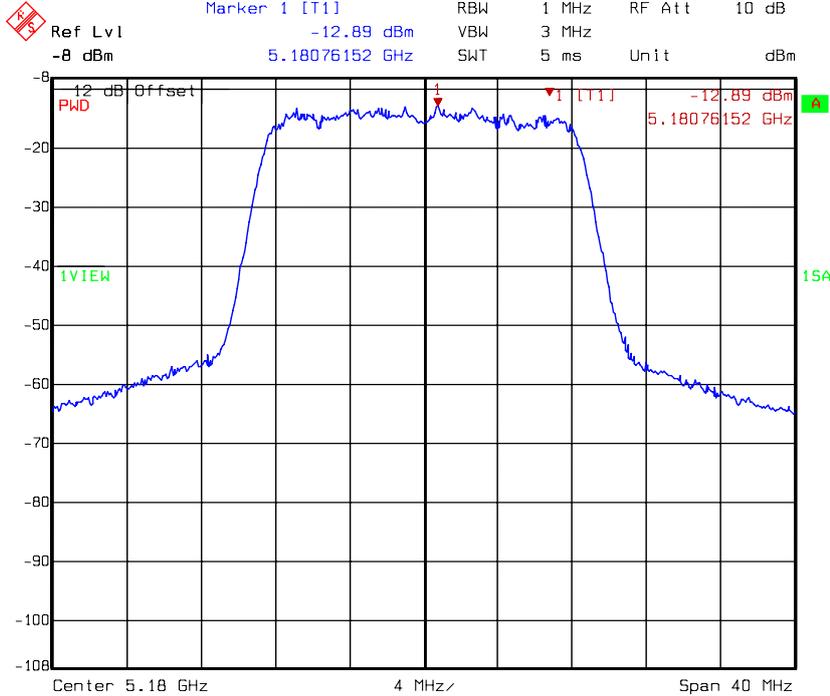
Title: Power Density
Comment A: CH 36 at 802.11a mode chainC
Date: 04.DEC.2008 13:31:06

Chain C: Power Spectral Density @ 802.11a mode channel 40
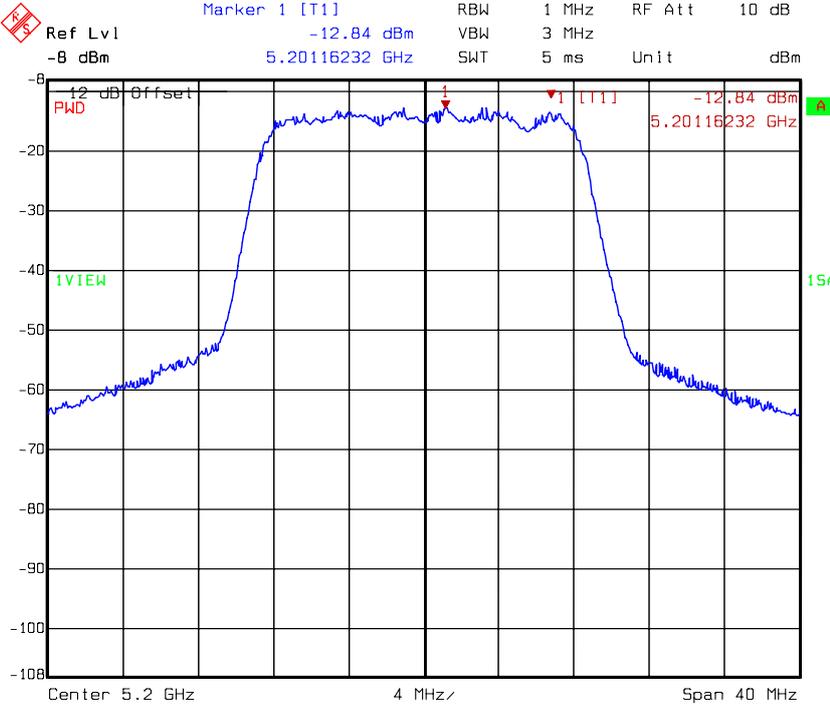
Title: Power Density
Comment A: CH 40 at 802.11a mode chainC
Date: 04.DEC.2008 13:35:27

Antenna 1： **C5060-510002-A**

Chain C: Power Spectral Density @ 802.11a mode channel 48

		RBW	1 MHz	RF Att	10 dB
Ref Lvl	Marker 1 [T1]	VBW	3 MHz		
-8 dBm	-11.71 dBm	SWT	5 ms	Unit	dBm
	5.24220441 GHz				

12 dB Offset
PWD
1 [T1]   -11.71 dBm   A
5.24220441 GHz
1VIEW   1SA

Center 5.24 GHz   4 MHz/   Span 40 MHz
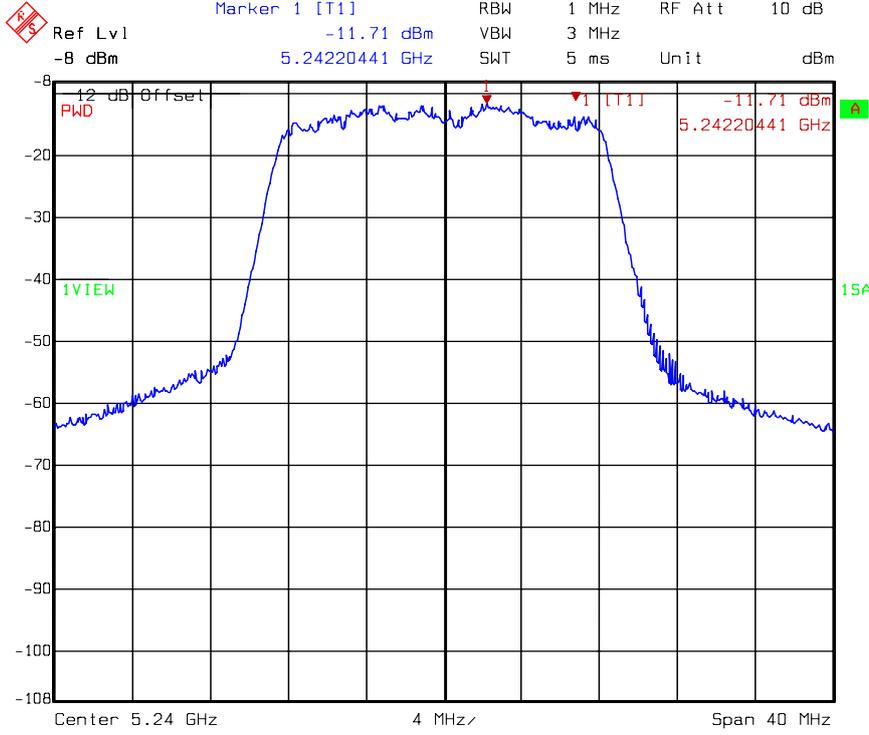
```
Title:       Power Density
Comment A: CH 48 at 802.11a mode chainC
Date:        04.DEC.2008  13:41:20
```

Chain C: Power Spectral Density @ 802.11a mode channel 52

		RBW	1 MHz	RF Att	10 dB
Ref Lvl	Marker 1 [T1]	VBW	3 MHz		
20 dBm	-2.50 dBm	SWT	5 ms	Unit	dBm
	5.25787575 GHz				

22 dB Offset
1 [T1]   -2.50 dBm   A
5.25787575 GHz
PWD
1VIEW   1SA

Center 5.26 GHz   4 MHz/   Span 40 MHz

```
Title:       Power Density
Comment A: CH 52 at 802.11a mode
Date:        13.APR.2009  14:40:56
```