APPLICATION FOR CERTIFICATION
On Behalf of

ALTAI TECHNOLOGIES LIMITED

Altai A3 Smart WiFi

Model Number: WA3011N

FCC ID: UCC-WA3011N

Prepared for : ALTAI TECHNOLOGIES LIMITED
2/F, East Wing, Lakeside 2, Hong Kong Science Park,
Shatin, Hong Kong, China.

Prepared By : Audix Technology (Shenzhen) Co., Ltd.
No. 6, Ke Feng Rd., 52 Block,
Shenzhen Science & Industrial Park,
Nantou, Shenzhen, Guangdong, China

Tel: (0755) 26639496

Report Number : ACS-F09122
Date of Test : Jun.04~15, 2009
Date of Report : Jun.16, 2009

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Description Page

TEST REPORT CERTIFICATION

Applicant	:	ALTAI TECHNOLOGIES LIMITED
Manufacturer	:	Transystem Inc.
EUT Description	:	Altai A3 Smart WiFi
FCC ID	:	UCC-WA3011N

(A) Model No. : WA3011N
(B) Serial No. : N/A
(C) Power Supply : DC 56V
(D) Test Voltage : DC 56V From Adapter Input AC 120V/60Hz

Test Procedure Used:

FCC Rules and Regulations Part 15 Subpart C 2008

The device described above is tested by AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. to determine the maximum emission levels emanating from the device. The maximum emission levels are compared to the FCC Part 15 Subpart C limits both radiated and conducted emissions.
The test results are contained in this test report and AUDIX TECHNOLOGY (SHENZHEN) CO., LTD. is assumed full responsibility for the accuracy and completeness of these tests. Also, this report shows that the Equipment Under Test (EUT) is to be technically compliant with the FCC requirements.

This report applies to above tested sample only. This report shall not be reproduced in part without written approval of AUDIX TECHNOLOGY (SHENZHEN) CO., LTD.

Date of Test : Jun.04~15, 2009

Prepared by : _____
Edie Huang / Assistant

Reviewer : _____
Jamy Yu / Senior Engineer

Approved & Authorized Signer : _____
Ken Lu / Manager

1. SUMMARY OF STANDARDS AND RESULTS

1.1.Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

EMISSION		
Description of Test Item	**Standard**	**Results**
Power Line Conducted Emission Test	FCC Part 15: 15.207 ANSI C63.4: 2003 KDB558074	PASS
Radiated Emission Test	FCC Part 15: 15.209 ANSI C63.4: 2003 KDB558074	PASS
Band Edge Compliance Test	FCC Part 15: 15.247 ANSI C63.4: 2003 KDB558074	PASS
Conducted spurious emissions test	FCC Part 15: 15.247 KDB558074	PASS
6dB Bandwidth Test	FCC Part 15: 15.247 KDB558074	PASS
Output Power Test	FCC Part 15: 15.247 KDB558074	PASS
Power Spectral Density Test	FCC Part 15: 15.247 KDB558074	PASS
Antenna requirement	FCC Part 15: 15.203	PASS

2. GENERAL INFORMATION

2.1.Description of Device (EUT)

Product Name	:	Altai A3 Smart WiFi
Model Number	:	WA3011N
Power supply		DC 56V From Adapter Input AC 120V/60Hz by LAN line.
FCC ID	:	UCC-WA3011N
Radio technology	:	IEEE802.11b;IEEE802.11g;IEEE802.11n;IEEE802.11a
Operation Frequency	:	IEEE 802.11b: 2412MHz—2462MHz IEEE 802.11g: 2412MHz—2462MHz IEEE 802.11n HT20:2412MHz—2462MHz IEEE 802.11n HT20: 5745MHz—5825MHz IEEE 802.11n HT40: 2422MHz—2452MHz IEEE 802.11n HT40: 5755MHz—5795MHz IEEE 802.11a: 5.745GHz—5.825GHz
Channel Number	:	IEEE 802.11b/g: 11 Channels IEEE 802.11n HT20 2.4GHz : 11 Channels IEEE 802.11n HT40 2.4GHz band: 7Channels IEEE 802.11n HT20 5.7GHz band : 5Channels IEEE 802.11n HT40 5.7GHz band: 2Channels IEEE 802.11a 5.7GHz band :5Channels
Modulation Technology	:	IEEE 802.11b: DSSS(CCK,DQPSK,DBPSK) IEEE 802.11g: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n :OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11a: OFDM (64QAM, 16QAM, QPSK,BPSK)
Data Rate	:	IEEE 802.11b: 11/5.5/2/1Mbps. IEEE 802.11g: 54/48/36/24/18/12/9/6Mbps. IEEE 802.11a: 54/48/36/24/18/12/9/6Mbps IEEE 802.11n HT20: 130, 117 ,104, 78, 65, 58.5, 52, 39, 26, 19.5,13, 6.5 Mbps IEEE 802.11n HT40: 270, 243 ,216, 162, 135, 121.5, 108, 81,54,40.5, 27, 13.5Mbps
PK Output Power	:	IEEE 802.11b: 26.96dBm IEEE 802.11g: 27.00dBm IEEE 802.11n HT20: 26.96dBm IEEE 802.11n HT40: 27.00dBm IEEE 802.11a: 26.98dBm
Antenna Assembly Gain	:	Patch antenna,MIMO 3x3 Gain: 6dBi for 2.4GHz 8dBi for 5GHz

Applicant	:	ALTAI TECHNOLOGIES LIMITED 2/F, East Wing, Lakeside 2, Hong Kong Science Park, Shatin, Hong Kong, China.
Manufacturer	:	Transystem Inc. No. 1-2, Li-Hsin Rd. I, Science-Based Industrial Park, Hsinchu, Taiwan R.O.C.
Date of Test	:	Jun.04~15, 2009
Date of Receipt	:	Jun.03, 2009
Sample Type	:	Prototype production

2.2.Test Information

The test software "art.exe" was used to control EUT work in Continuous TX mode, and select test channel, wireless mode and data rate.

Tested mode, channel, and data rate information			
Mode	data rate (Mpbs)(see Note)	Channel	Frequency (MHz)
IEEE 802.11b	1	CH1	2412
	1	CH6	2437
	1	CH11	2462
IEEE 802.11g	6	CH1	2412
	6	CH6	2437
	6	CH11	2462
IEEE 802.11n HT20	6.5	CH1	2412
	6.5	CH6	2437
	6.5	CH11	2462
	6.5	CH149	5745
	6.5	CH157	5785
	6.5	CH165	5825
IEEE 802.11n HT40	13.5	CH3	2422
	13.5	CH6	2437
	13.5	CH9	2452
	13.5	CH151	5755
	13.5	CH159	5795
IEEE 802.11a	6	CH149	5745
	6	CH157	5785
	6	CH165	5825
Note: According exploratory test and product specification EUT will have maximum output power in those data rate, so those data rate were used for all test.			

2.3.Power vs data rate

Mode	Data rate (Mbps)	CH	Measured level (dBm)	Limit (dBm)
IEEE 802.11b	1	CH6	26.96	30
	5.5	CH6	26.56	30
	11	CH6	25.89	30
IEEE 802.11g	6	CH6	26.97	30
	24	CH6	25.87	30
	54	CH6	26.10	30
IEEE 802.11a	6	CH6	26.46	30
	24	CH6	25.25	30
	54	CH6	25.78	30
IEEE 802.11n HT20	6.5	CH6	26.93	30
	65	CH6	26.12	30
	130	CH6	26.32	30
	6.5	CH 157	26.85	28
	65	CH 157	26.09	28
	130	CH 157	26.75	28
IEEE 802.11n HT 40	13.5	CH 6	26.99	30
	135	CH 6	26.32	30
	270	CH 6	26.11	30
	13.5	CH 151	26.34	28
	135	CH 151	26.10	28
	270	CH 151	25.86	28
Based on technology theory of IEEE 802.11 and actual exploratory test, lower data rate will lead to higher output power, so all the tests were performed with lowest data rate.				

2.4.Tested Supporting System Details

2.4.1. NOTEBOOK

M/N	:	PP09S
S/N	:	N/A
Manufacturer	:	DELL
Power Adaptor	:	Manufacturer: DELL, M/N: LA65NS1-00 Cable: Unshielded, Detachabled, 4.0m (Bond one ferrite core)

2.5.Test Facility

Site Description

Name of Firm	:	Audix Technology (Shenzhen) Co., Ltd. No. 6, Ke Feng Rd., 52 Block, Shenzhen Science & Industrial Park,Nantou, Shenzhen, Guangdong, China
3m Anechoic Chamber	:	Mar.31, 2009 File on Federal Communication Commission Registration Number: 90454
3m & 10m Anechoic Chamber	:	Jan. 31, 2007 File on Federal Communication Commission Registration Number: 794232
EMC Lab.	:	Accredited by DATech, German Registration Number: DAT-P-091/99-01 Feb. 02, 2009 Accredited by NVLAP, USA NVLAP Code: 200372-0 Apr. 01, 2009

2.6.Measurement Uncertainty (95% confidence levels, k=2)

Item	MU	Remark
Uncertainty for Power point Conducted Emissions Test	2.88dB	
Uncertainty for Radiation Emission test in 3m chamber (30MHz to 1GHz)	3.86dB	Polarize: V
	4.3dB	Polarize: H
Uncertainty for Radiation Emission test in 3m chamber (1GHz to 25GHz)	2.78dB	Polarize: H
	2.82dB	Polarize: V
Uncertainty for radio frequency	1×10^{-9}	
Uncertainty for conducted RF Power	0.34dB	
Uncertainty for temperature	0.2℃	
Uncertainty for humidity	1%	
Uncertainty for DC and low frequency voltages	0.06%	

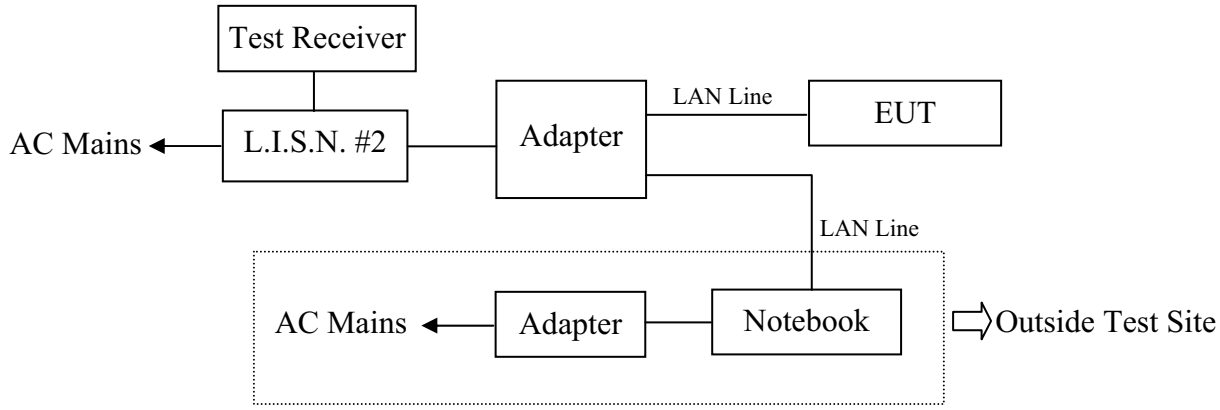
3. POWER LINE CONDUCTED EMISSION TEST

3.1.Test Equipments

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Test Receiver	Rohde & Schwarz	ESHS10	838693/001	Jan.10, 09	1 Year
2	L.I.S.N.#2	Kyoritsu	KNW-407	8-1636-1	May.08, 09	1 Year
3	Terminator	Hubersuhner	50Ω	No. 1	May.08, 09	1 Year
4	RF Cable	Fujikura	3D-2W	LISN Cable 1#	May.08, 09	1Year
5	Coaxial Switch	Anritsu	MP59B	M55367	May.08, 09	1 Year
6	Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100341	May.08, 09	1 Year

3.2.Block Diagram of Test Setup

3.2.1. Block diagram of connection between the EUT and Supporting System



(EUT: Altai A3 Smart WiFi)

3.3.Power Line Conducted Emission Test Limits

Frequency	Maximum RF Line Voltage	
	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150kHz ~ 500kHz	66 ~ 56*	56 ~ 46*
500kHz ~ 5MHz	56	46
5MHz ~ 30MHz	60	50

Notes: 1. * Decreasing linearly with logarithm of frequency.
2. The lower limit shall apply at the transition frequencies.

3.4.Configuration of EUT on Test

The following equipment are installed on Power Line Conducted Emission Test to meet the commission requirement and operating regulations in a manner which tends to maximize its emission characteristics in a normal application.

3.4.1. Altai A3 Smart WiFi (EUT)

Model Number : WA3011N
Serial Number : N/A

3.4.2. Support Equipment : As Tested Supporting System Detail, in Section 2.4

3.5.Operating Condition of EUT

3.5.1. Setup the EUT and simulator as shown as Section 3.2.

3.5.2. Turned on the power of all equipment.

3.5.3. Notebook run test software to control the EUT worked in test mode (Tx Mode) and measured it.

3.6.Test Procedure

The EUT was placed on a non-metallic table, 80cm above the ground plane. The EUT Power Via Adapter connected to the power mains through a line impedance stabilization network (L.I.S.N. 2#). This provides a 50 ohm coupling impedance for the EUT (Please refer the block diagram of the test setup and photographs). The AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to ANSI C63.4: 2003 on Conducted Emission Test.

The bandwidth of test receiver (R & S ESHS10) is set at 10kHz.

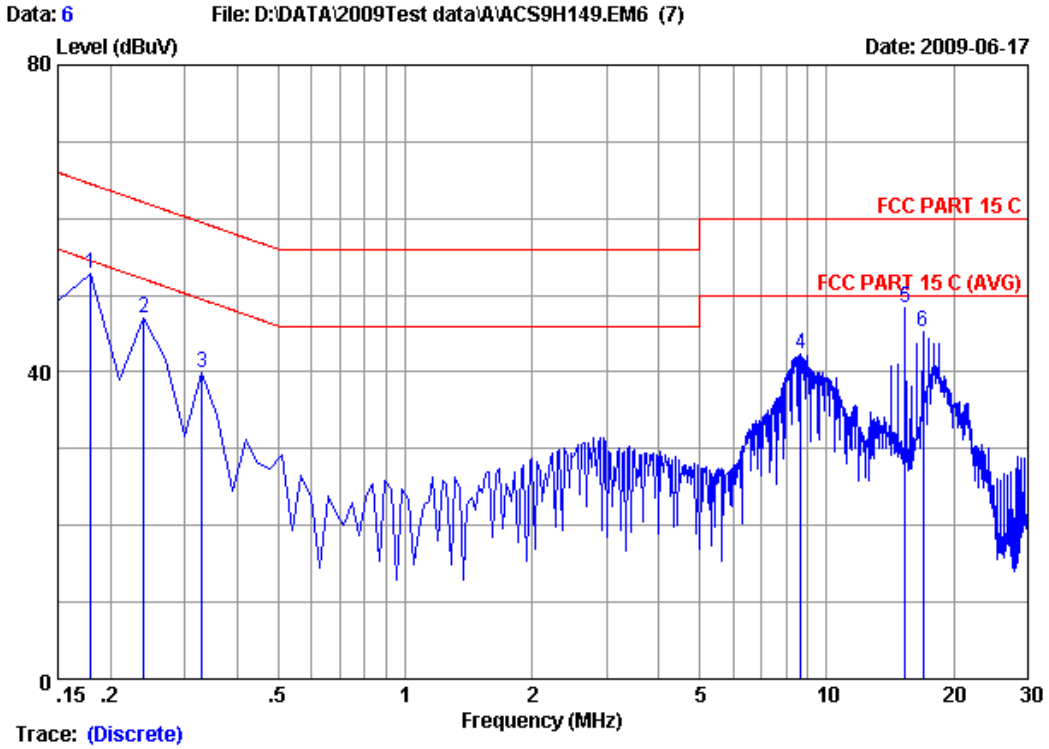
The frequency range from 150kHz to 30MHz is checked.

The test result are reported on Section 3.7.,

3.7.Power Line Conducted Emission Test Results

PASS.

NO.6 Ke Feng Road,Block 52,
Shenzhen Science&Industry Park
Nantou, Shenzhen,Guang dong, China.
Tel:+86-755-26639495
Fax:+86-755-26632877
Postcode:518057

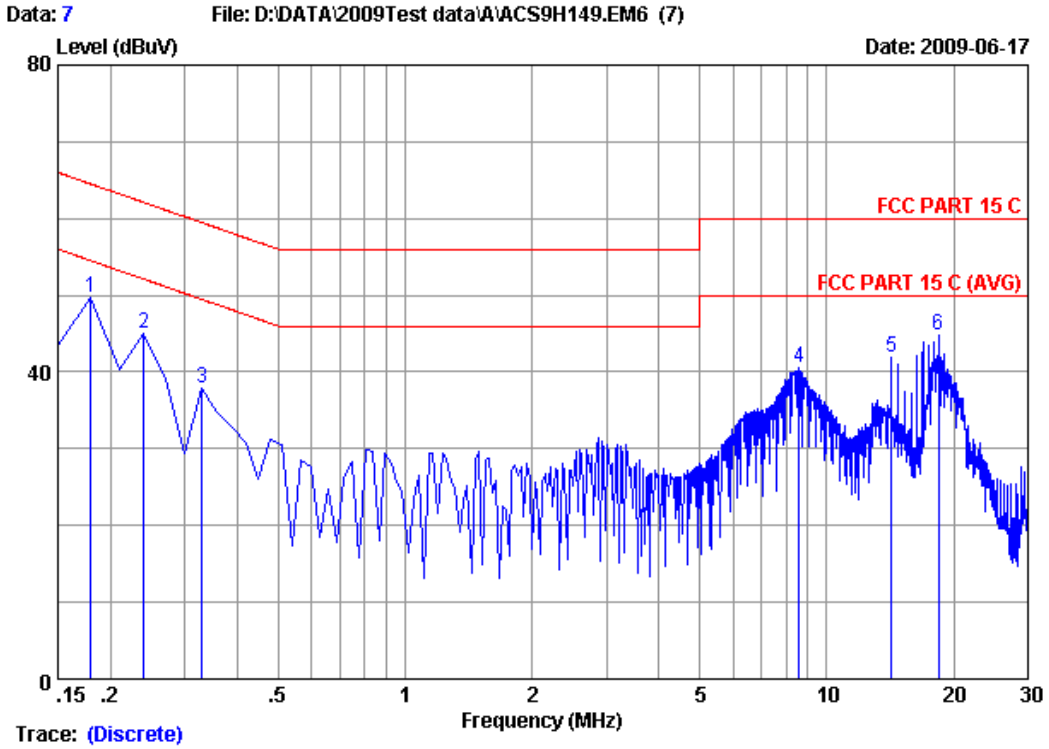


Site no :Audix No.1 Conduction Data no :6
Dis./Ant. :** 2009 KNW407 VA
Limit :FCC PART 15 C
Env./Ins. :Temp:23'C Humi:54% Engineer :Sunny-lu
EUT :Altai A3 Smart WiFi M/N:WA3011N
Power Rating :DC 56V From Adapter input AC 120V/60Hz
Test Mode :Tx Mode
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	0.43	9.88	42.49	52.80	64.49	11.69	QP
2	0.23955	0.41	9.88	36.70	46.99	62.11	15.12	QP
3	0.32910	0.37	9.89	29.73	39.99	59.47	19.48	QP
4	8.687	0.42	9.94	31.90	42.26	60.00	17.74	QP
5	15.374	0.49	9.97	37.82	48.28	60.00	11.72	QP
6	16.896	0.52	9.98	34.73	45.23	60.00	14.77	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

NO.6 Ke Feng Road,Block 52,
Shenzhen Science&Industry Park
Nantou, Shenzhen,Guang dong, China.
Tel:+86-755-26639495
Fax:+86-755-26632877
Postcode:518057



Site no :Audix No.1 Conduction Data no :7
Dis./Ant. :** 2009 KNW407 VB
Limit :FCC PART 15 C
Env./Ins. :Temp:23'C Humi:54% Engineer :Sunny-lu
EUT :Altai A3 Smart WiFi M/N:WA3011N
Power Rating :DC 56V From Adapter input AC 120V/60Hz
Test Mode :Tx Mode
:

No	Freq (MHz)	LISN Factor (dB)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.17985	0.45	9.88	39.47	49.80	64.49	14.69	QP
2	0.23955	0.43	9.88	34.70	45.01	62.11	17.10	QP
3	0.32910	0.38	9.89	27.65	37.92	59.47	21.55	QP
4	8.598	0.43	9.94	30.10	40.47	60.00	19.53	QP
5	14.239	0.48	9.97	31.52	41.97	60.00	18.03	QP
6	18.448	0.55	10.00	34.13	44.68	60.00	15.32	QP

Remarks: 1.Emission Level=LISN Factor+Cable Loss(Include 10dB pulse limit)+Reading
2.If the average limit is met when useing a quasi-peak detector.
the EUT shall be deemed to meet both limits and measurement
with average detector is unnecessary.

4. RADIATED EMISSION TEST

4.1.Test Equipment

Frequency rang: 30~1000MHz

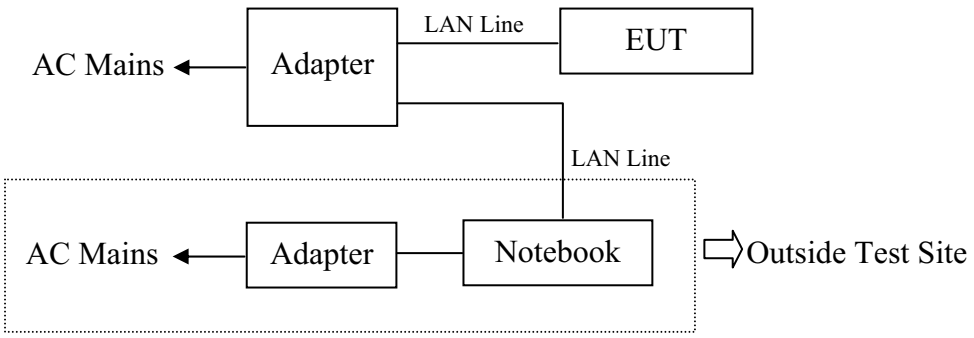
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	3#Chamber	AUDIX	N/A	N/A	Dec.05,08	1 Year
2	EMI Spectrum	Agilent	E4407B	MY41440292	May.08, 09	1 Year
3	Test Receiver	Rohde & Schwarz	ESVS10	834468/011	May.08, 09	1 Year
4	Amplifier	HP	8447D	2648A04738	May.08, 09	1 Year
5	Bilog Antenna	Schaffner	CBL6111C	2598	Nov.10, 08	1 Year
6	RF Cable	MIYAZAKI	8D-FB	3# Chamber No.1	May.08, 09	1 Year
7	Coaxial Switch	Anritsu	MP59B	M73989	May.08, 09	1 Year

Frequency rang: above 1000MHz

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	E4446A	US44300459	May.08, 09	1 Year
2	Horn Antenna	EMCO	3115	9607-4877	May.27, 08	1.5 Year
3	Amplifier	Agilent	8449B	3008A02495	Nov.24,08	1 Year
4	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	May.08, 09	1 Year
5	RF Cable	Hubersuhner	SUCOFLEX102	271471/4	May.08, 09	1 Year
6	RF Cable	Hubersuhner	SUCOFLEX102	29086/2	May.08, 09	1 Year

4.2.Block Diagram of Test Setup

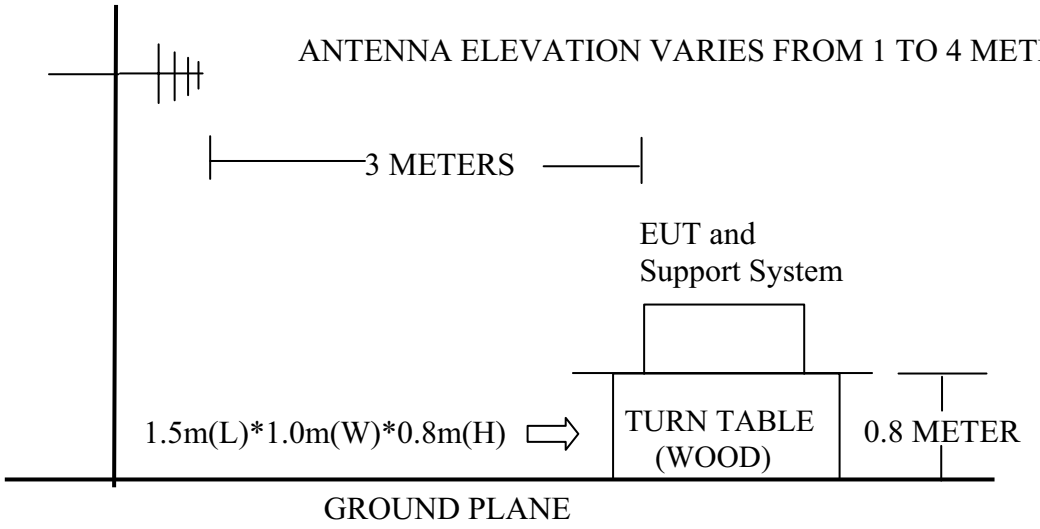
4.2.1. Block diagram of connection between the EUT and Supporting System



(EUT: Altai A3 Smart WiFi)

4.2.2. In Anechoic Chamber

ANTENNA TOWER



4.3.Radiated Emission Limit

4.3.1. 15.209 limits

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		μV/m	dB(μV)/m
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Remark： (1) Emission level dBμV = 20 log Emission level μV/m

(2) The smaller limit shall apply at the cross point between two frequency bands.

(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

4.3.2. 15.205 Restricted bands of operation

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions, or comply with 15.209 limits.

4.4.EUT Configuration on Test

The following equipment are installed on Radiated Emission Test to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

4.4.1. Altai A3 Smart WiFi (EUT)

Model Number : WA3011N
Serial Number : N/A

4.4.2. Support Equipment : As Tested Supporting System Detail, in Section 2.4

4.5.Operating Condition of EUT

4.5.1. Setup the EUT and simulator as shown as Section 4.2.

4.5.2. Turned on the power of all equipment.

4.5.3. Notebook run test software to control the EUT worked in test mode (Tx Mode) and measured it.

4.6.Test Procedure

EUT and its simulators are placed on a turn table, which is 0.8 meter high above ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. Power on the EUT and let it working in test mode, then test it. EUT is set 3 meters away from the receiving antenna, which is mounted on a antenna tower. The antenna can be moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bilog antenna) is used as receiving antenna. Both horizontal and vertical polarization of the antenna are set on test.

The bandwidth of the EMI test receiver (R&S ESVS10) is set at 120kHz for frequency range from 30MHz to 1000 MHz.

The bandwidth of the Spectrum's VBW is set at 1MHz and RBW is set at 1MHz for peak emissions measurement above 1GHz and 1MHz RBW, 10Hz VBW for average emissions measure above 1GHz

For 2.4GHz band, the frequency range from 30MHz to 10^{th} harmonic (25GHz) are checked, and for 5.7GHz band, the frequency range from 30MHz to 40GHz are checked, and no any emission were found from 18GHz to 40GHz, and the radiated emission from 18GHz to 40GHz were not record.

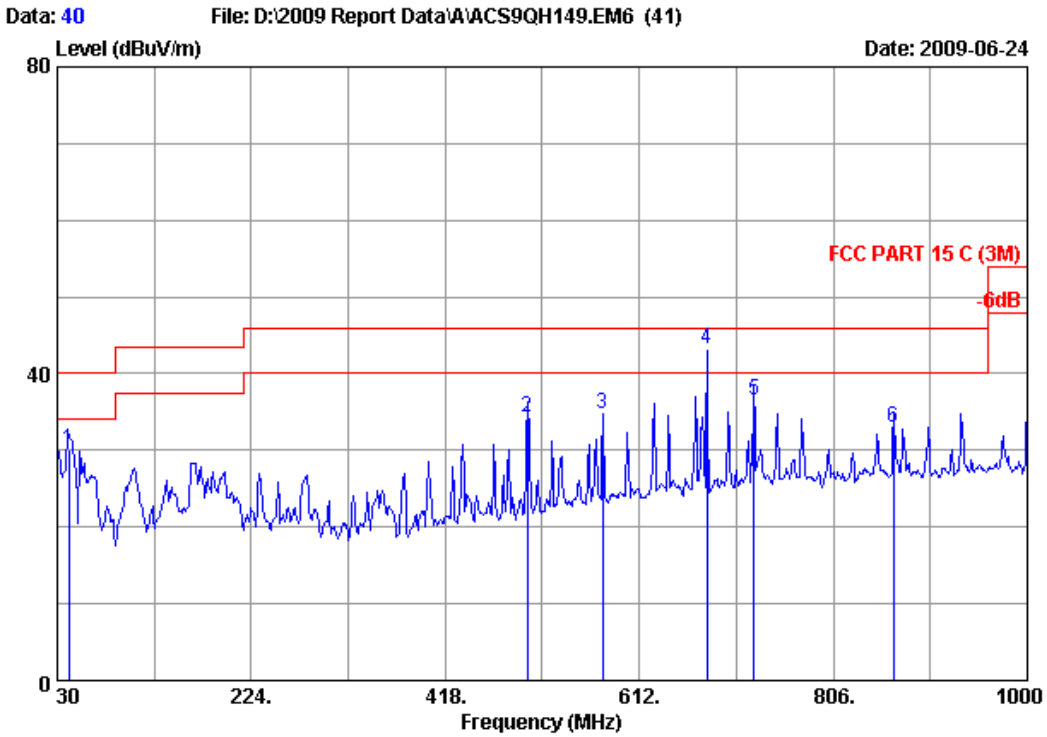
4.7. Radiated Emission Test Results

PASS.

All the emissions from 30MHz to 40 GHz were comply with 15.209 limits.

Frequency: 30MHz~1GHz

No.6,Ke Feng Road,Block 52,
Shenzhen Science&Industry Park
Nantou Shenzhen,Guangdong,China
Tel:+86-755-26639495
Fax:+86-755-26632877
Postcode:518057

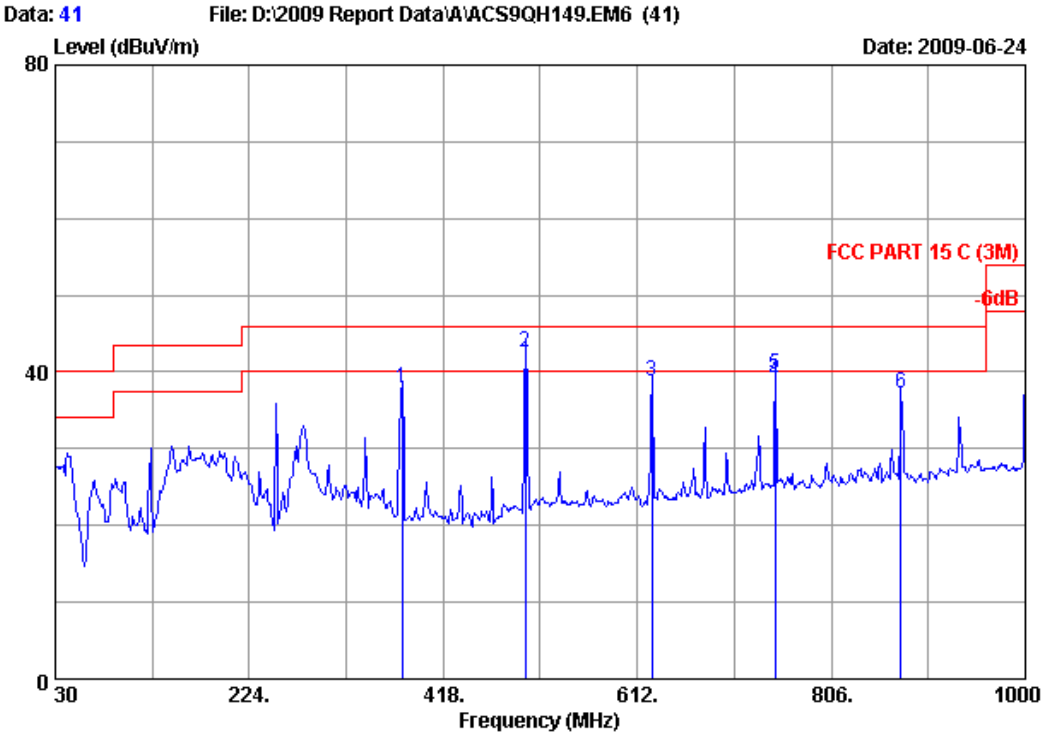


Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m CBL6111C Ant. pol. : VERTICAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 24*C/56% Engineer : Cary
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power Rating : DC 56V From adapter input AC 120V/60Hz
Test Mode : Tx Mode

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	41.640	13.33	0.60	16.05	29.98	40.00	10.02	QP
2	500.450	18.04	2.25	14.06	34.35	46.00	11.65	QP
3	575.140	19.37	2.43	13.07	34.87	46.00	11.13	QP
4	680.000	20.41	2.74	20.10	43.25	46.00	2.75	QP
5	726.460	21.03	2.87	12.74	36.64	46.00	9.36	QP
6	866.140	22.56	3.14	7.18	32.88	46.00	13.12	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

No.6,Ke Feng Road,Block 52,
Shenzhen Science&Industry Park
Nantou Shenzhen,Guangdong,China
Tel:+86-755-26639495
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m CBL6111C Ant. pol. : HORIZONTAL
Limit : FCC PART 15 C (3M)
Env. / Ins. : 24*C/56% Engineer : Cary
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power Rating : DC 56V From adapter input AC 120V/60Hz
Test Mode : Tx Mode

	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	377.260	15.57	1.88	47.44	37.86	46.00	8.14	QP
2	500.000	18.04	2.25	22.20	42.49	46.00	3.51	QP
3	626.550	19.92	2.57	43.31	38.71	46.00	7.29	QP
4	749.740	21.53	2.92	41.30	38.69	46.00	7.31	QP
5	749.740	21.53	2.92	42.30	39.69	46.00	6.31	QP
6	875.840	22.55	3.15	38.50	37.17	46.00	8.83	QP

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: Above 1GHz IEEE 802.11b mode

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ShenZhen Science & Industry Park
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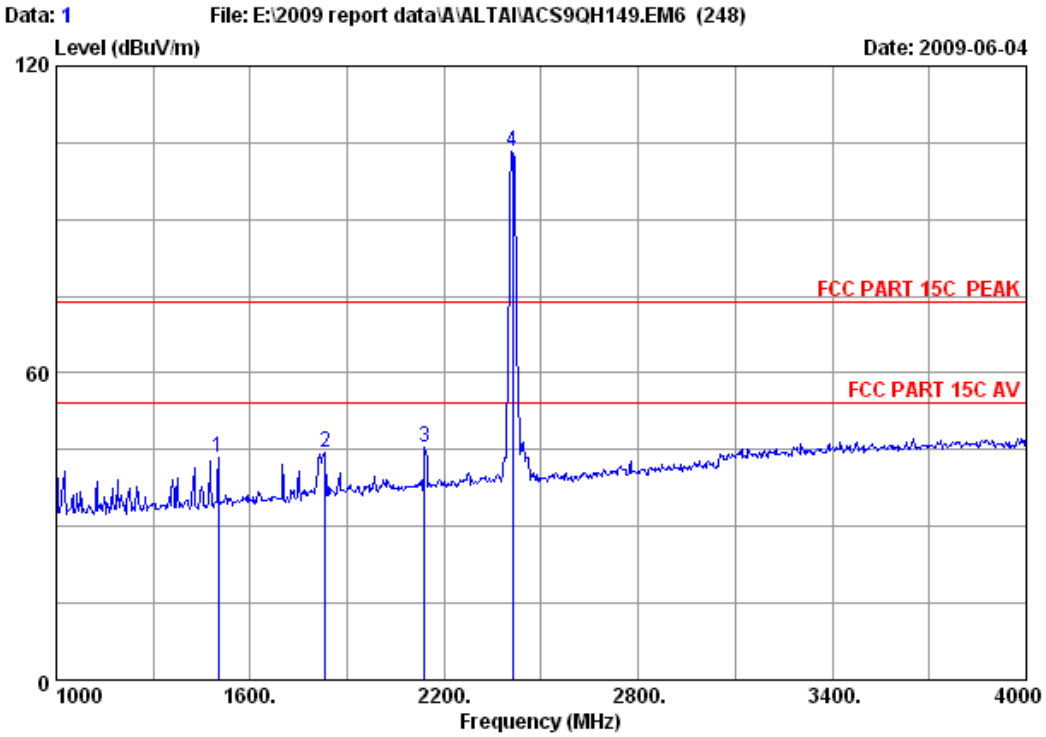

Site no. : 3m Chamber Data no. : 1
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	48.12	43.60	74.00	30.40	Peak
2	1831.000	27.23	5.86	35.37	46.60	44.32	74.00	29.68	Peak
3	2140.000	28.09	6.38	35.17	46.10	45.40	74.00	28.60	Peak
4	2412.000	28.48	6.73	35.12	103.06	103.15	74.00	-29.15	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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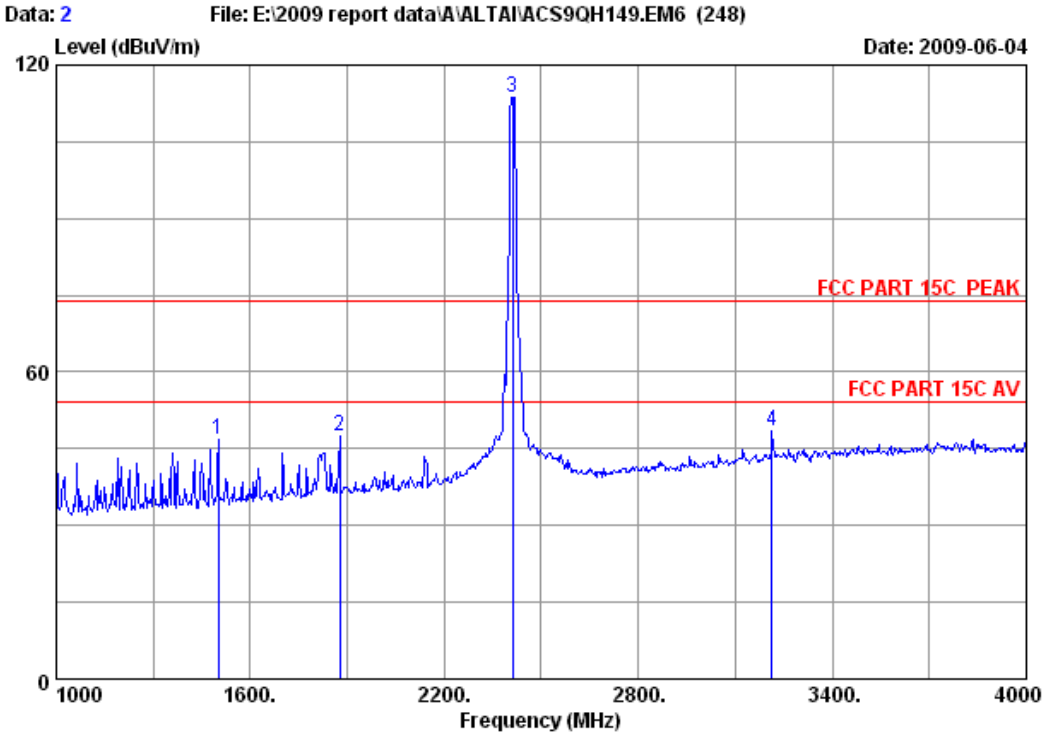

Site no. : 3m Chamber Data no. : 2
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	51.42	46.90	74.00	27.10	Peak
2	1876.000	27.43	5.92	35.34	49.55	47.56	74.00	26.44	Peak
3	2412.000	28.48	6.73	35.12	113.48	113.57	74.00	-39.57	Peak
4	3214.000	30.78	8.13	34.96	44.45	48.40	74.00	25.60	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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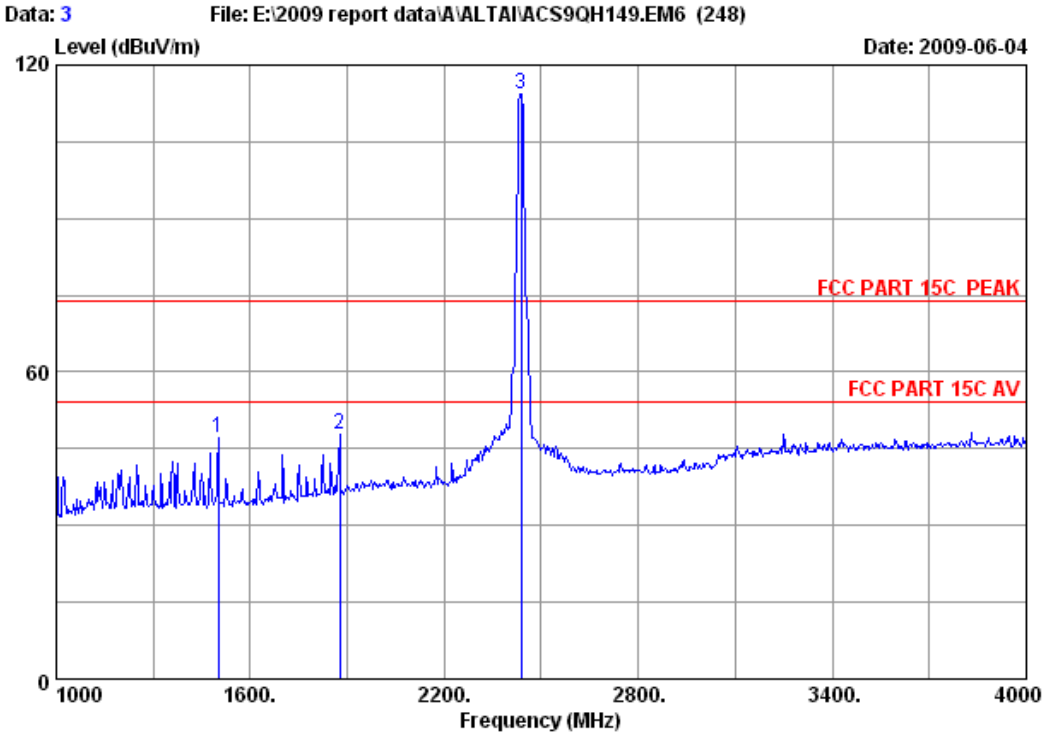

Site no. : 3m Chamber Data no. : 3
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	51.50	46.98	74.00	27.02	Peak
2	1876.000	27.43	5.92	35.34	49.81	47.82	74.00	26.18	Peak
3	2437.000	28.53	6.80	35.11	114.19	114.41	74.00	-40.41	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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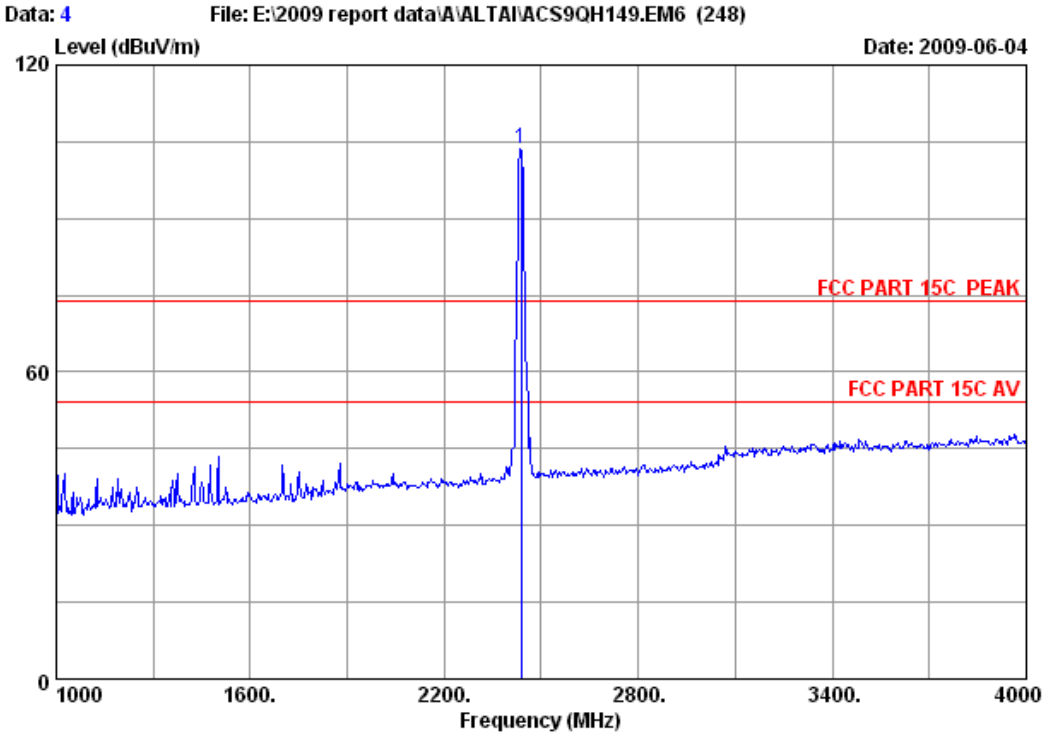

Site no. : 3m Chamber Data no. : 4
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2437.000	28.53	6.80	35.11	103.25	103.47	74.00	-29.47	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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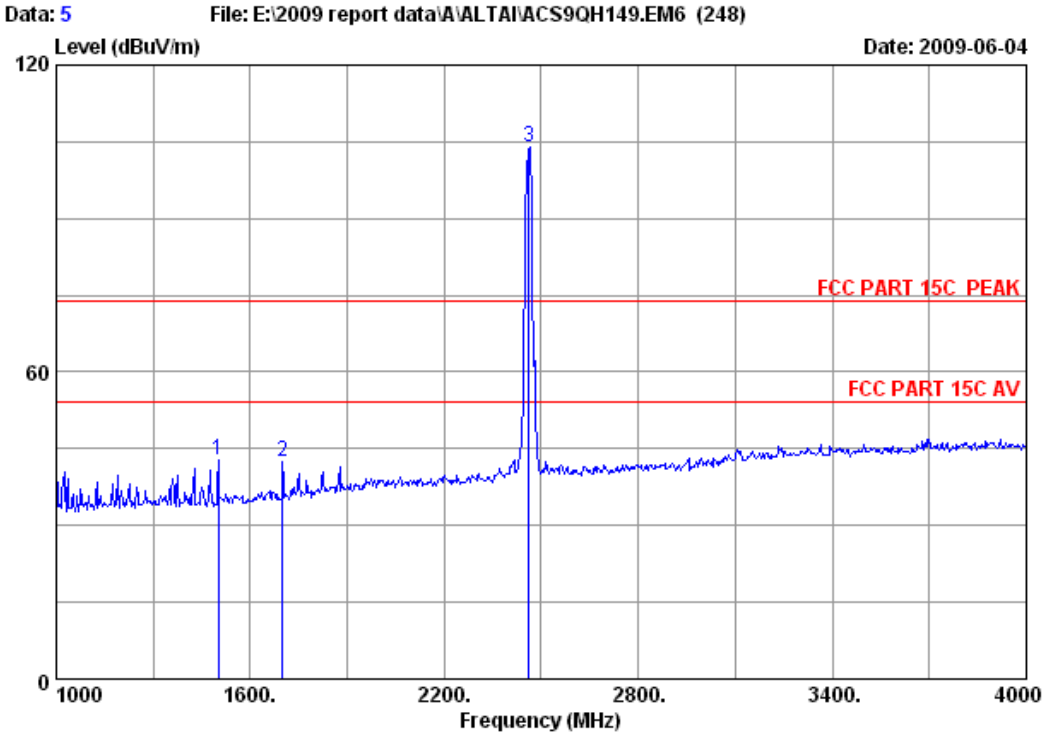

Site no. : 3m Chamber Data no. : 5
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	47.14	42.62	74.00	31.38	Peak
2	1699.000	26.70	5.64	35.54	45.68	42.48	74.00	31.52	Peak
3	2462.000	28.55	6.84	35.11	103.74	104.02	74.00	-30.02	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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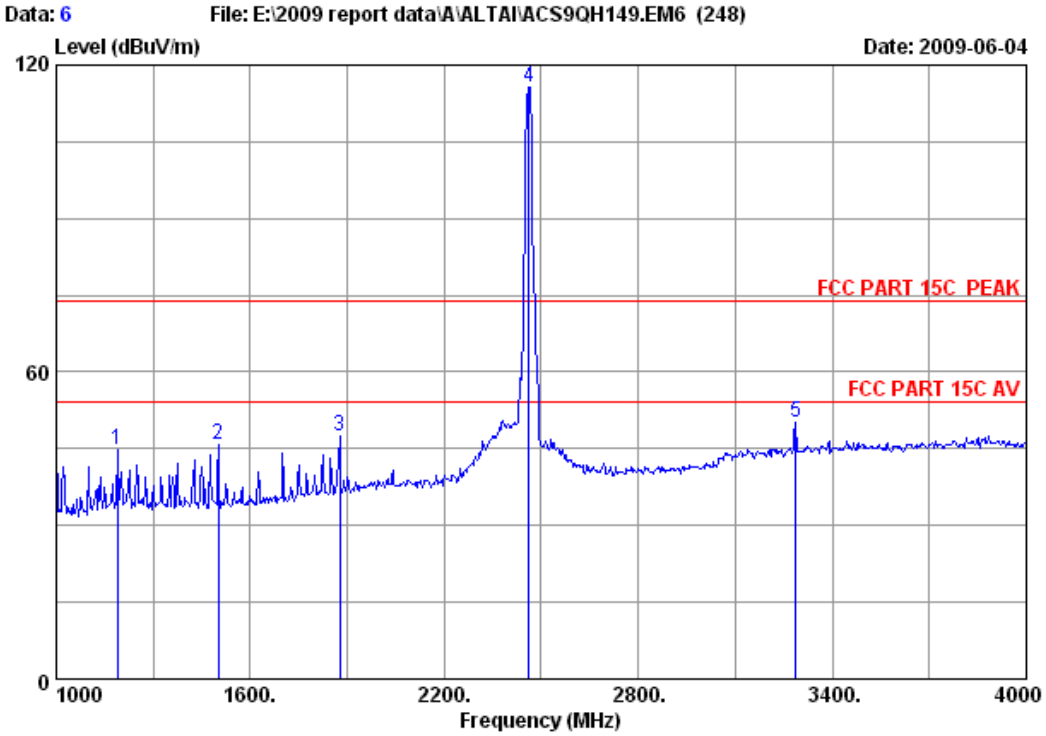

Site no. : 3m Chamber Data no. : 6
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1189.000	25.47	4.74	36.10	50.64	44.75	74.00	29.25	Peak
2	1501.000	25.90	5.32	35.74	50.31	45.79	74.00	28.21	Peak
3	1876.000	27.43	5.92	35.34	49.57	47.58	74.00	26.42	Peak
4	2462.000	28.55	6.84	35.11	115.25	115.53	74.00	-41.53	Peak
5	3286.000	30.97	8.33	34.94	45.66	50.02	74.00	23.98	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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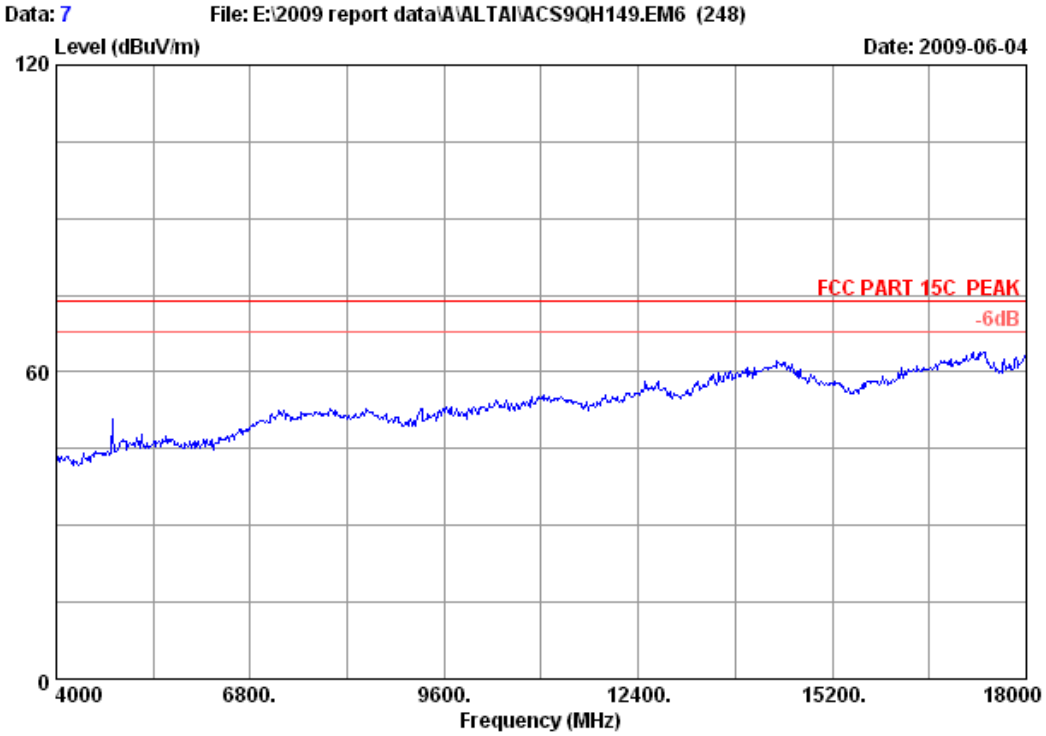

Site no.	: 3m Chamber	Data no.	: 7
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11b CH1 2412MHz		
M/N	:		

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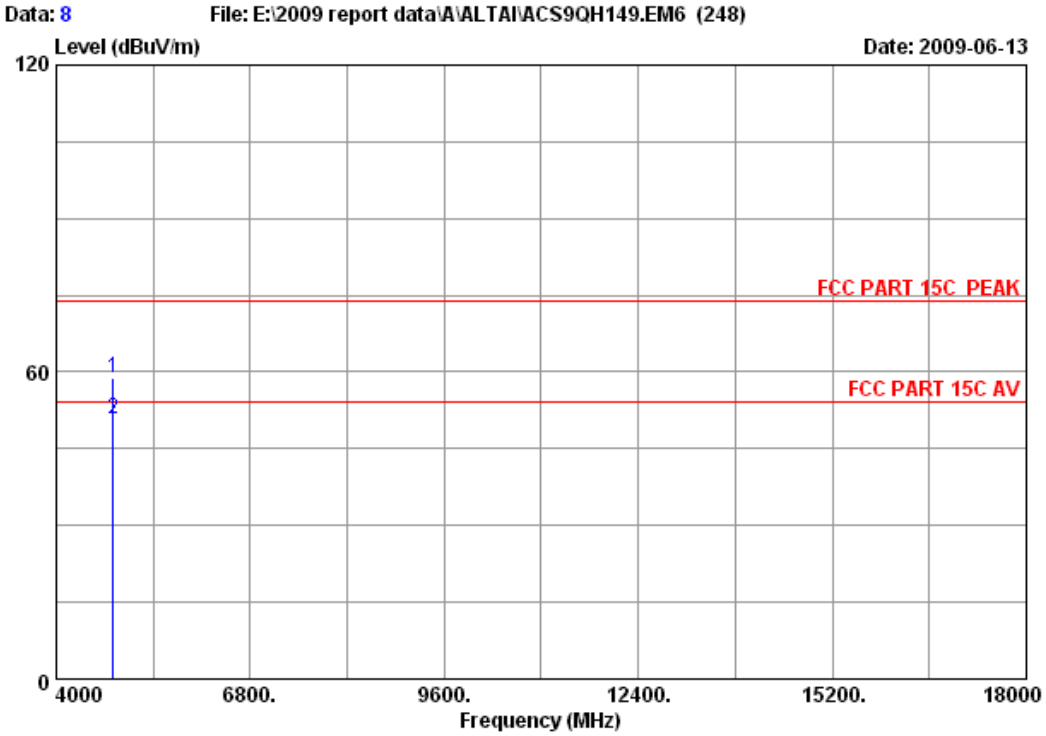

Site no. : 3m Chamber Data no. : 8
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.47	10.55	34.59	48.34	58.77	74.00	15.23	Peak
2	4824.000	34.47	10.55	34.59	40.38	50.81	54.00	3.19	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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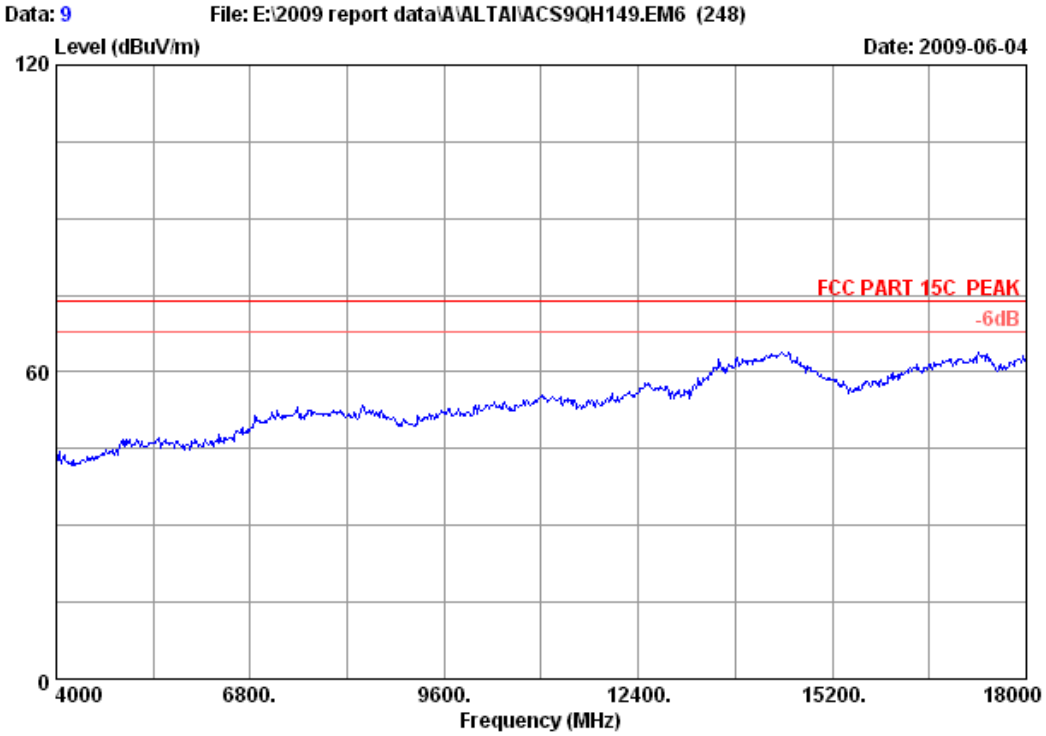

Site no.	: 3m Chamber	Data no.	: 9
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11b CH1 2412MHz		
M/N	:		

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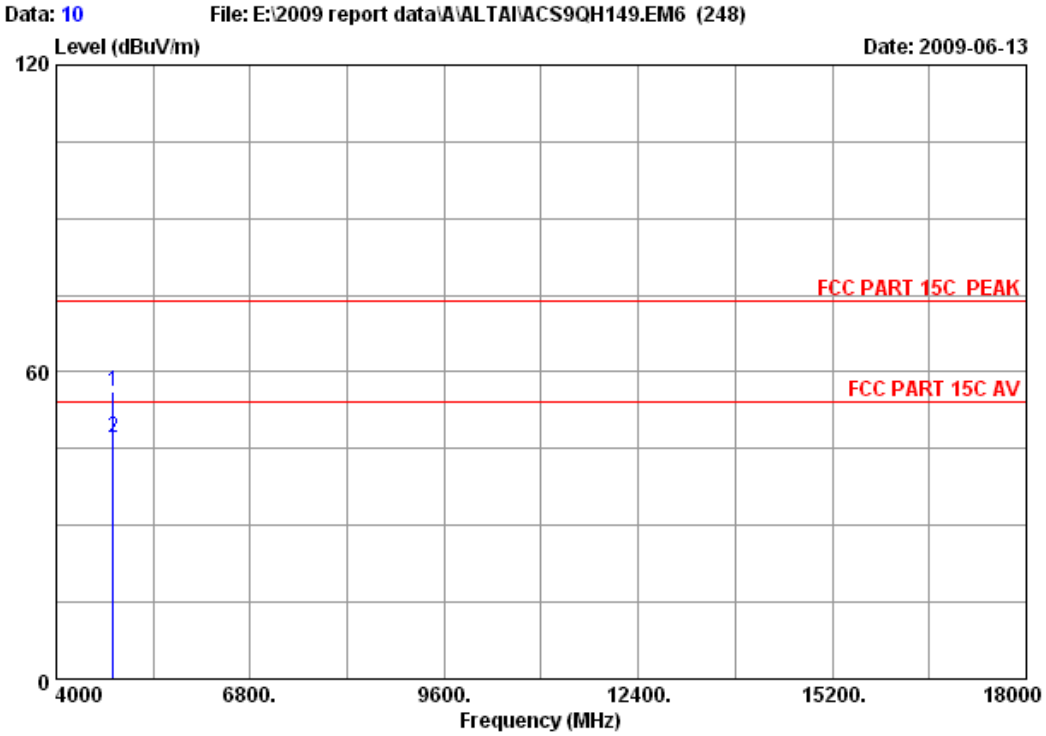

Site no. : 3m Chamber Data no. : 10
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.47	10.55	34.59	45.68	56.11	74.00	17.89	Peak
2	4824.000	34.47	10.55	34.59	36.69	47.12	54.00	6.88	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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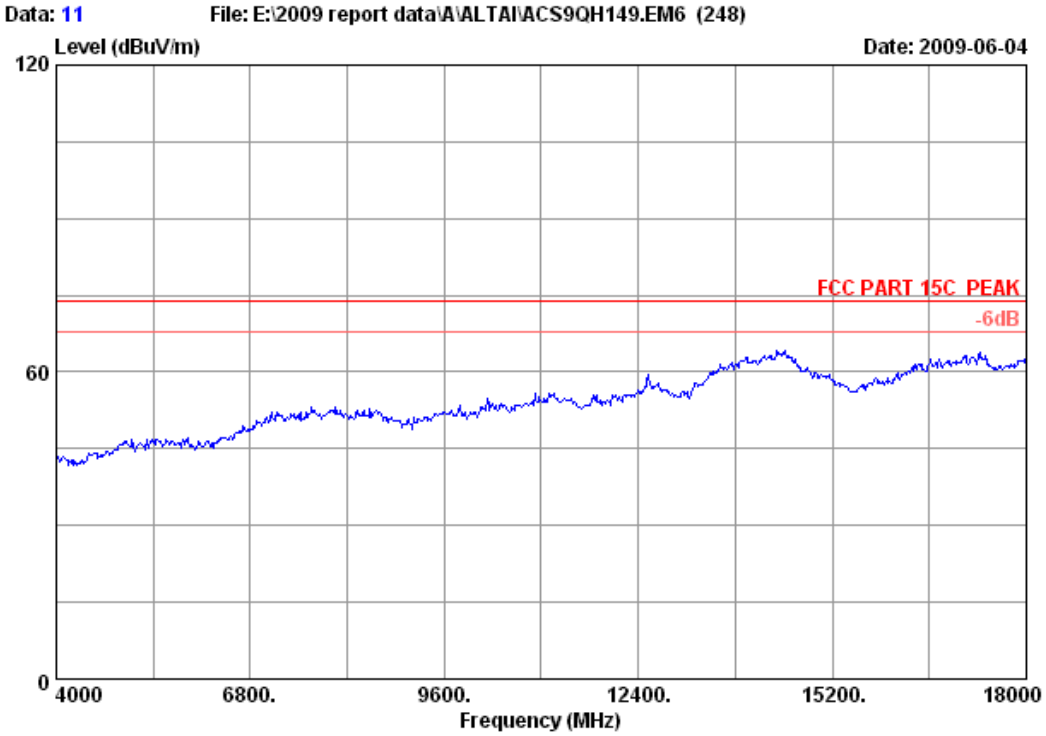

Site no. : 3m Chamber Data no. : 11
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz
M/N :

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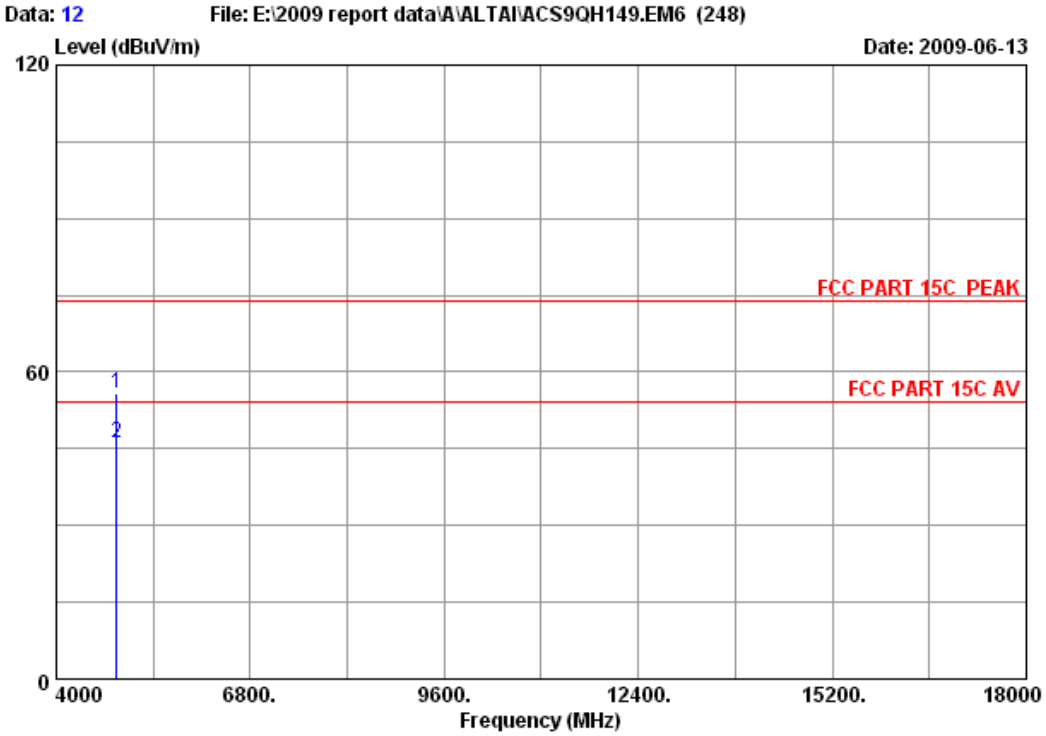

Site no. : 3m Chamber Data no. : 12
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.78	10.56	34.58	44.98	55.74	74.00	18.26	Peak
2	4874.000	34.78	10.56	34.58	35.28	46.04	54.00	7.96	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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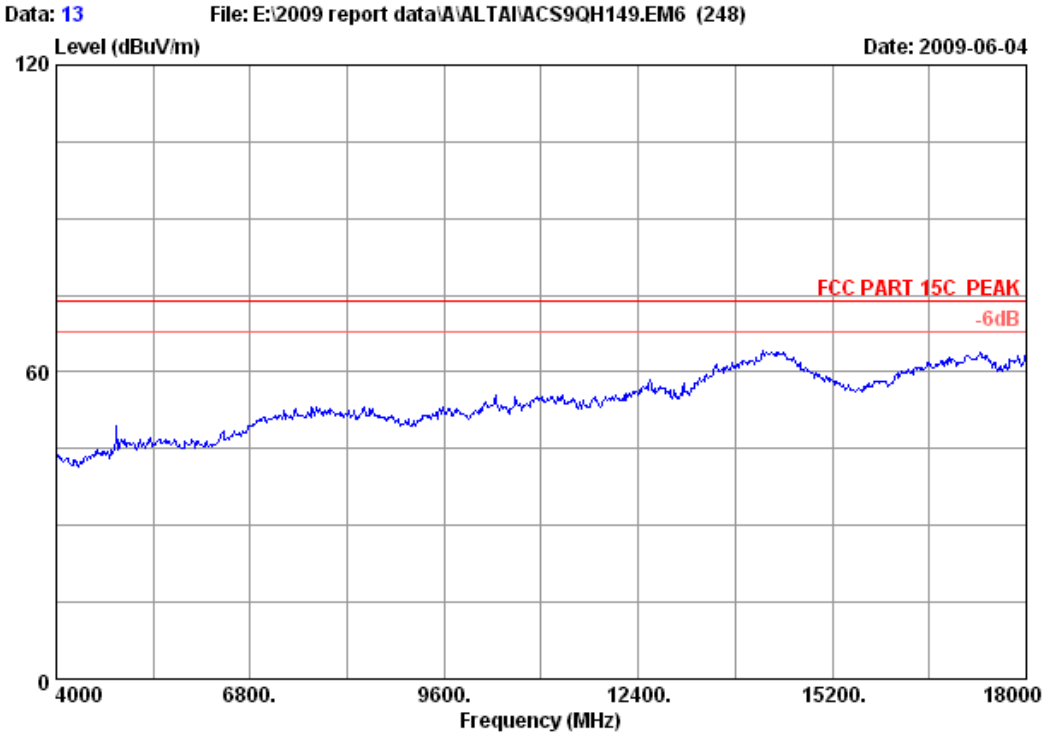

Site no. : 3m Chamber Data no. : 13
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz
M/N :

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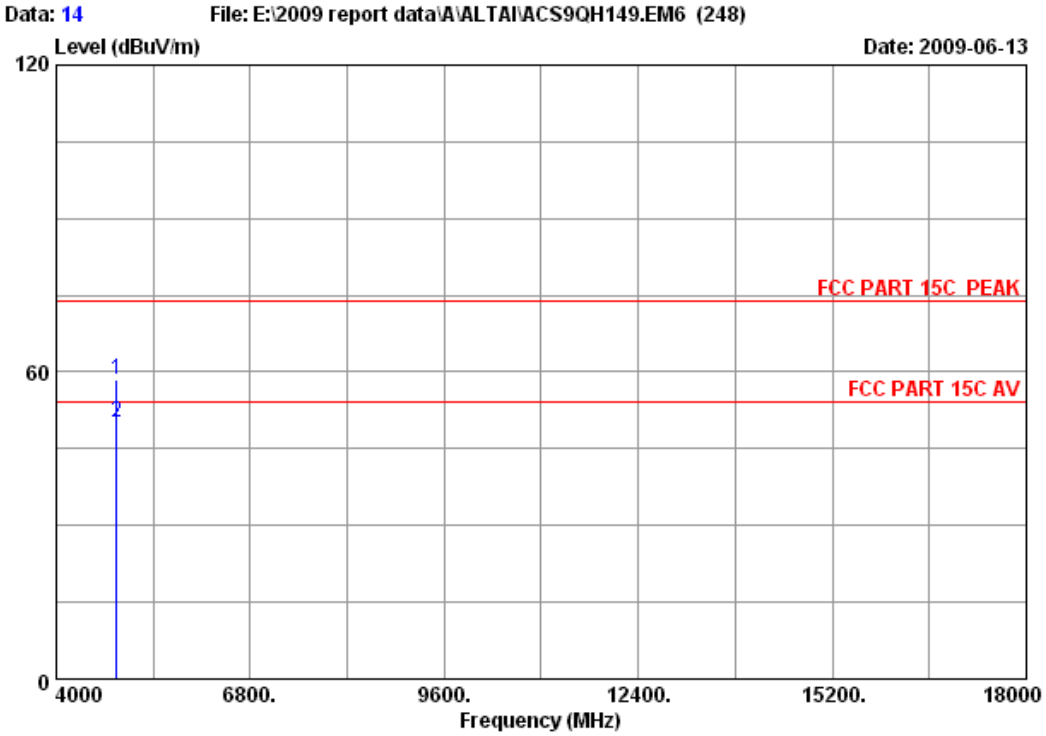

Site no. : 3m Chamber Data no. : 14
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.78	10.56	34.58	47.59	58.35	74.00	15.65	Peak
2	4874.000	34.78	10.56	34.58	39.24	50.00	54.00	4.00	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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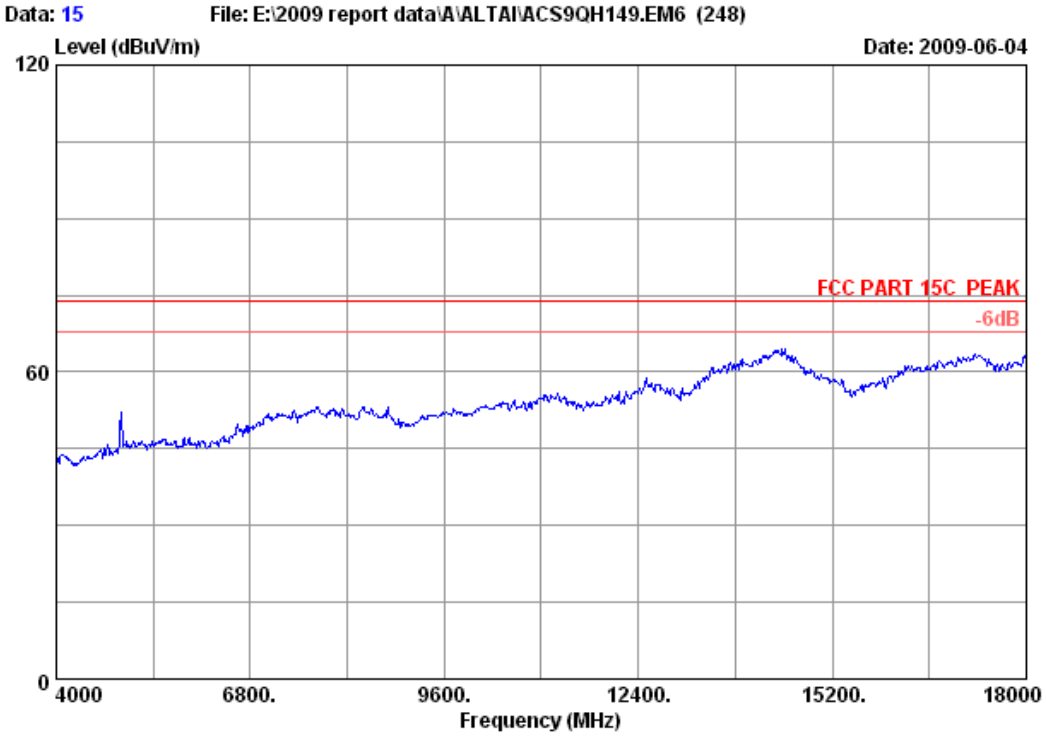

Site no. : 3m Chamber Data no. : 15
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz
M/N :

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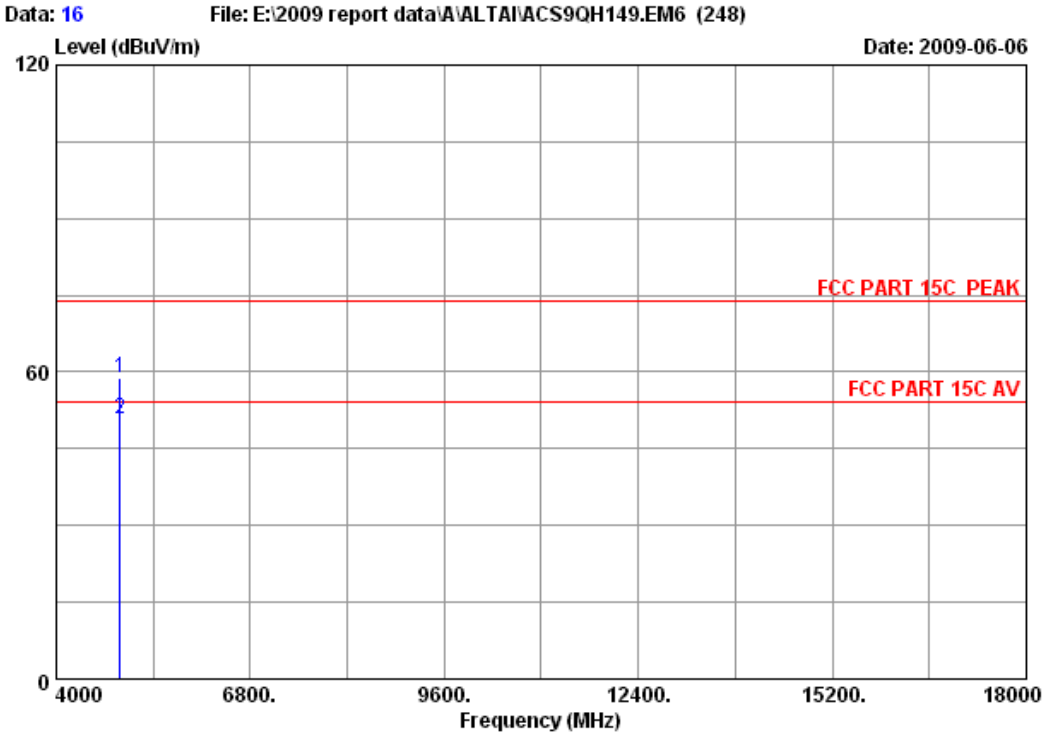

Site no. : 3m Chamber Data no. : 16
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.09	10.58	34.57	47.82	58.92	74.00	15.08	Peak
2	4924.000	35.09	10.58	34.57	39.66	50.76	54.00	3.24	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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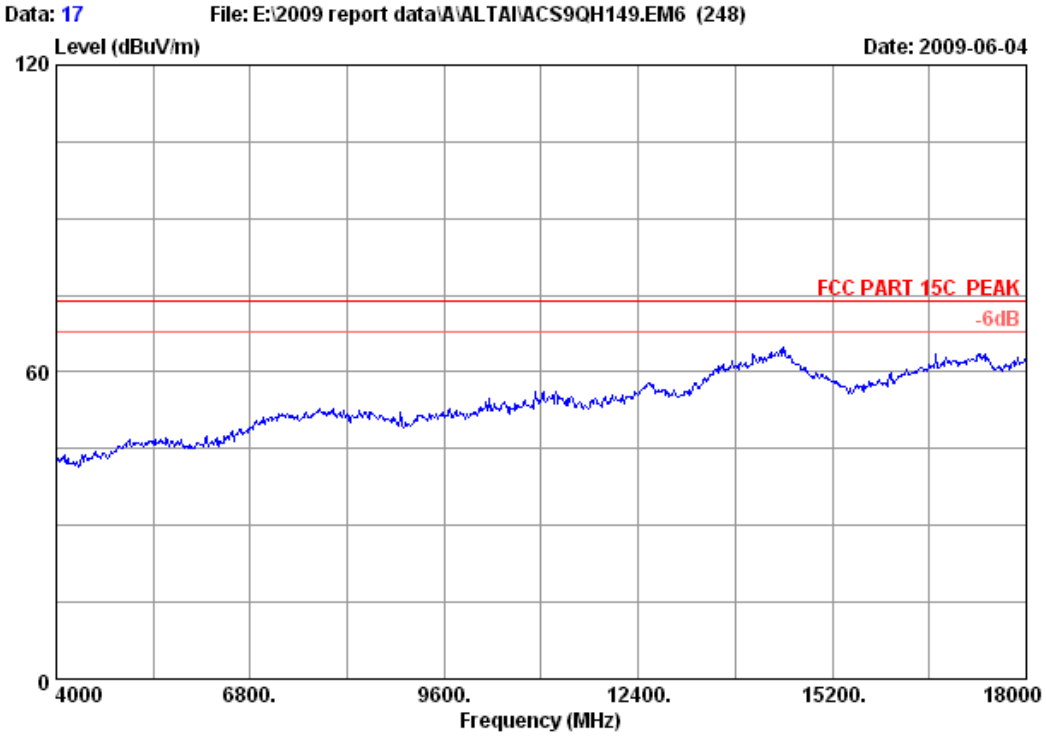
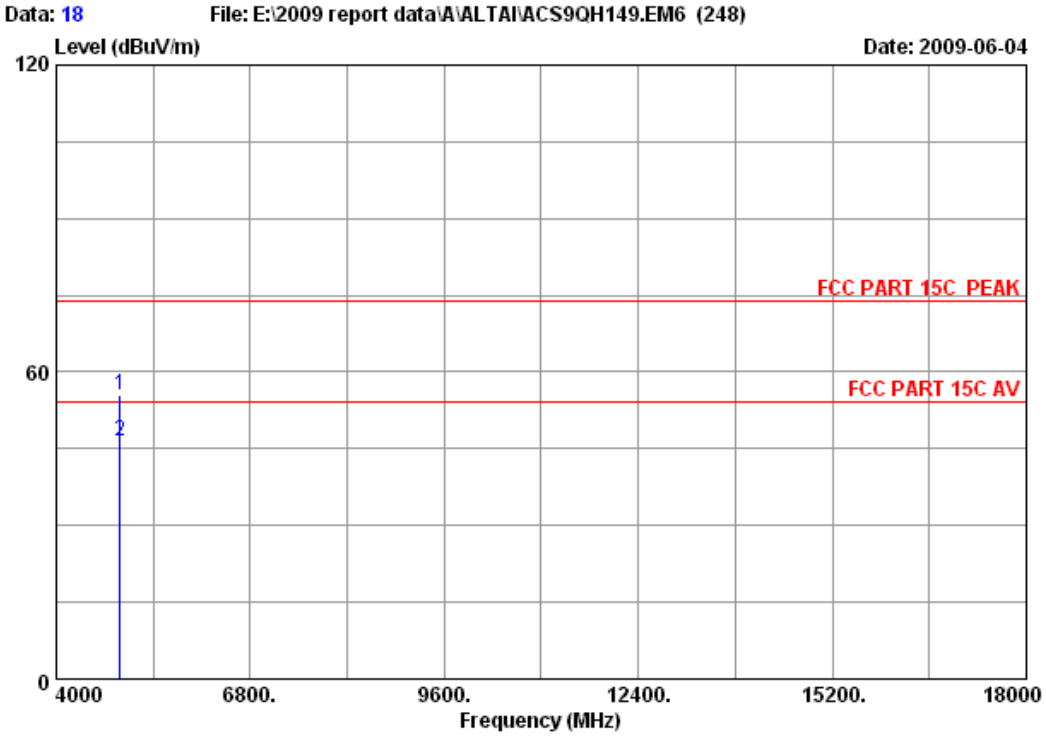



```
Site no.      : 3m Chamber                Data no.   : 17
Dis. / Ant.   : 3m   3115                 Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   :Sunny-lu
EUT           : Altai A3 Smart WiFi  M/N:WA3011N
Power         : DC 56V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11b CH11 2462MHz
M/N           :
```

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 18
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11b CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.09	10.58	34.57	44.25	55.35	74.00	18.65	Peak
2	4924.000	35.09	10.58	34.57	35.46	46.56	54.00	7.44	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: Above 1GHz IEEE 802.11g mode

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Fax:+86-755-26632877
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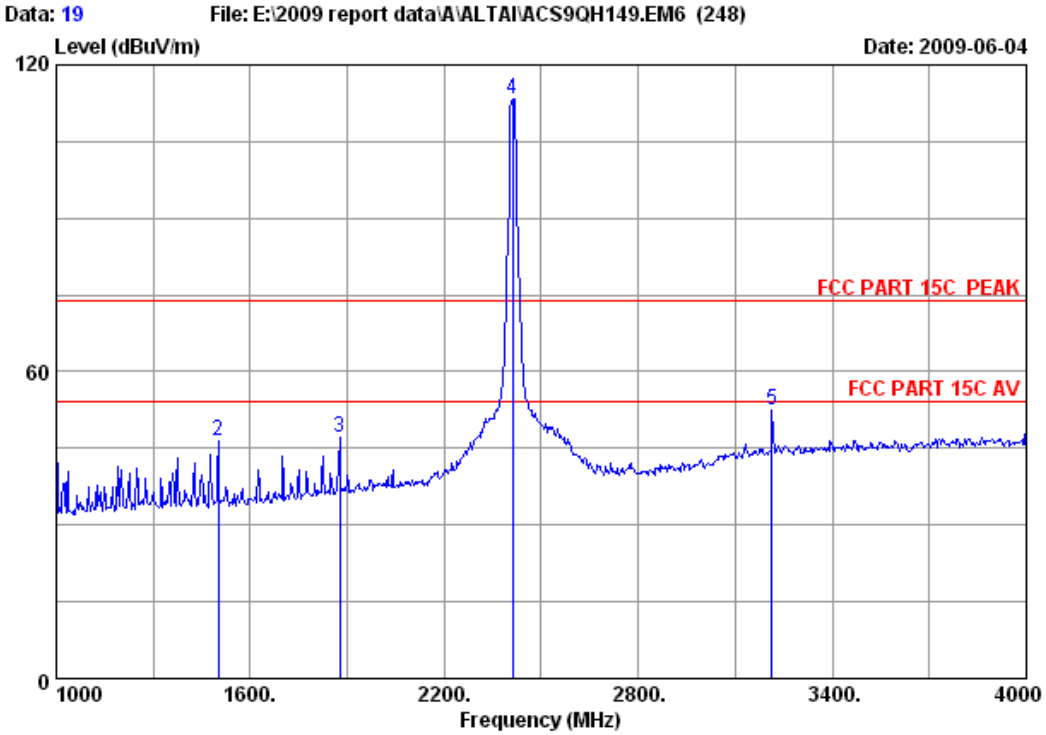

Site no. : 3m Chamber Data no. : 19
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1000.000	25.20	4.35	36.30	52.66	45.91	74.00	28.09	Peak
2	1501.000	25.90	5.32	35.74	51.05	46.53	74.00	27.47	Peak
3	1876.000	27.43	5.92	35.34	49.12	47.13	74.00	26.87	Peak
4	2412.000	28.48	6.73	35.12	113.12	113.21	74.00	-39.21	Peak
5	3214.000	30.78	8.13	34.96	48.46	52.41	74.00	21.59	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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Fax:+86-755-26632877
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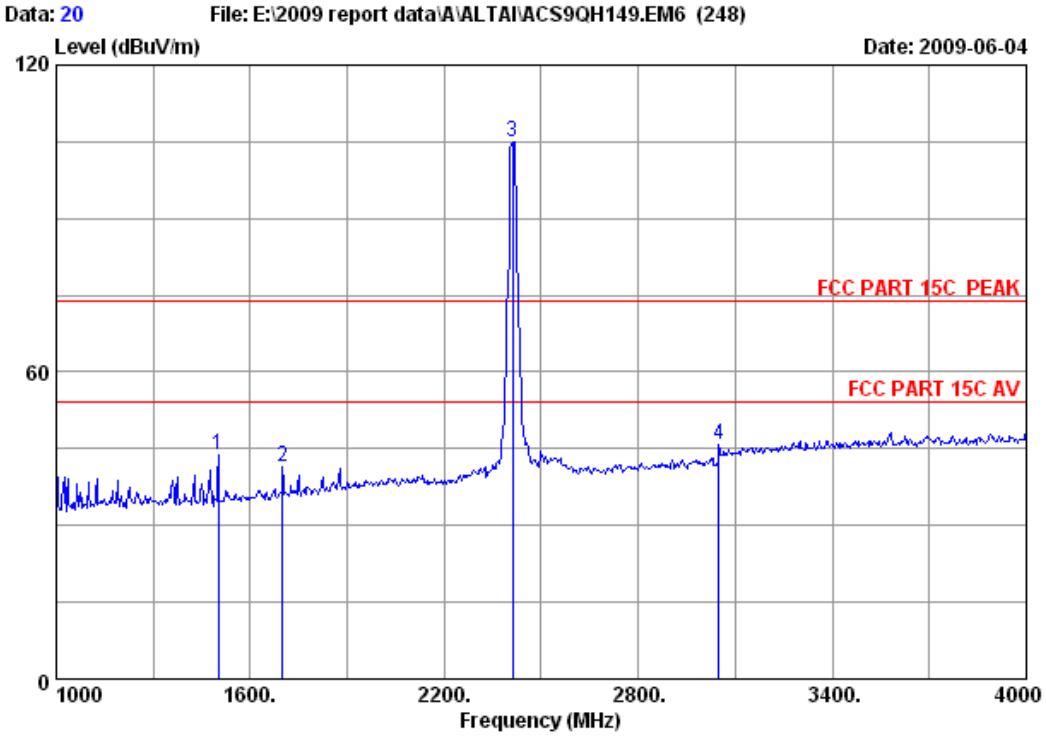

Site no. : 3m Chamber Data no. : 20
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	48.34	43.82	74.00	30.18	Peak
2	1699.000	26.70	5.64	35.54	44.58	41.38	74.00	32.62	Peak
3	2412.000	28.48	6.73	35.12	104.93	105.02	74.00	-31.02	Peak
4	3049.000	30.34	7.78	34.99	42.54	45.67	74.00	28.33	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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Fax:+86-755-26632877
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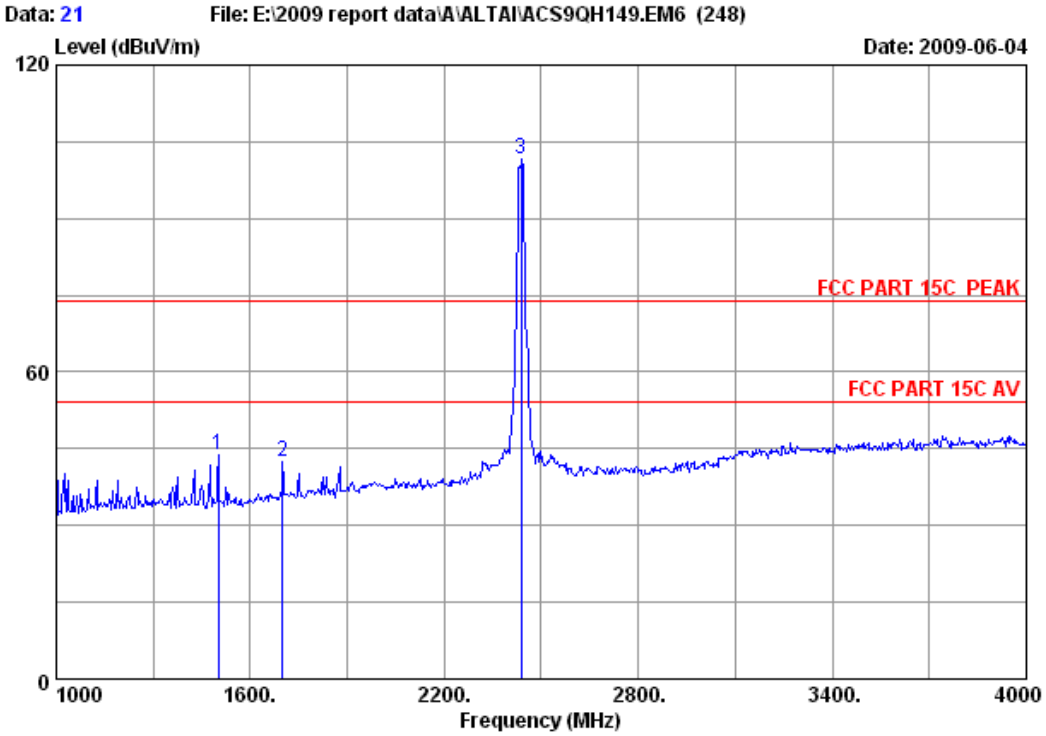

Site no. : 3m Chamber Data no. : 21
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	48.16	43.64	74.00	30.36	Peak
2	1699.000	26.70	5.64	35.54	45.59	42.39	74.00	31.61	Peak
3	2437.000	28.53	6.80	35.11	101.29	101.51	74.00	-27.51	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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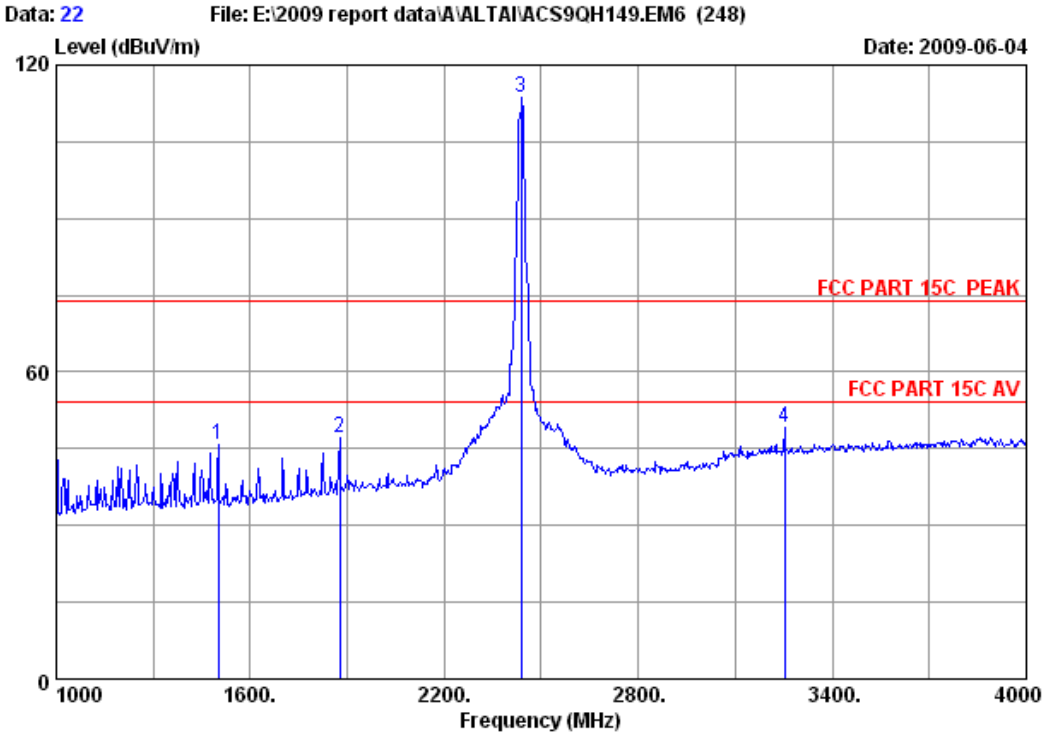
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 22
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	50.18	45.66	74.00	28.34	Peak
2	1876.000	27.43	5.92	35.34	49.20	47.21	74.00	26.79	Peak
3	2437.000	28.53	6.80	35.11	113.45	113.67	74.00	-39.67	Peak
4	3253.000	30.92	8.23	34.95	45.07	49.27	74.00	24.73	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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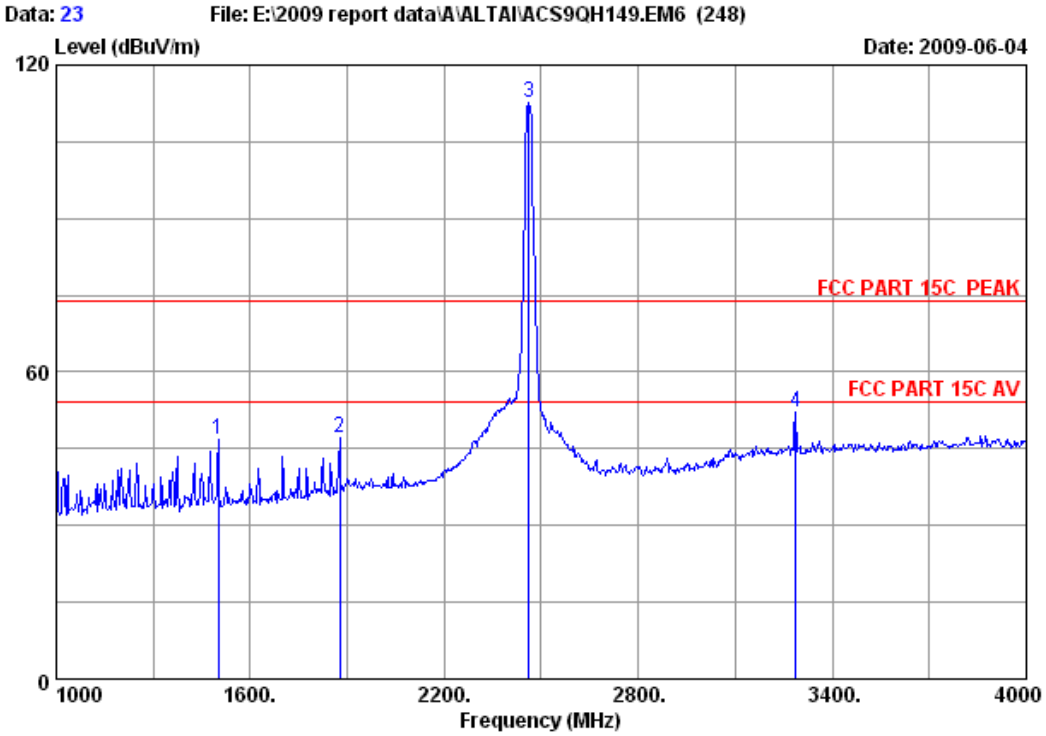
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 23
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	51.48	46.96	74.00	27.04	Peak
2	1876.000	27.43	5.92	35.34	48.99	47.00	74.00	27.00	Peak
3	2462.000	28.55	6.84	35.11	112.34	112.62	74.00	-38.62	Peak
4	3286.000	30.97	8.33	34.94	47.67	52.03	74.00	21.97	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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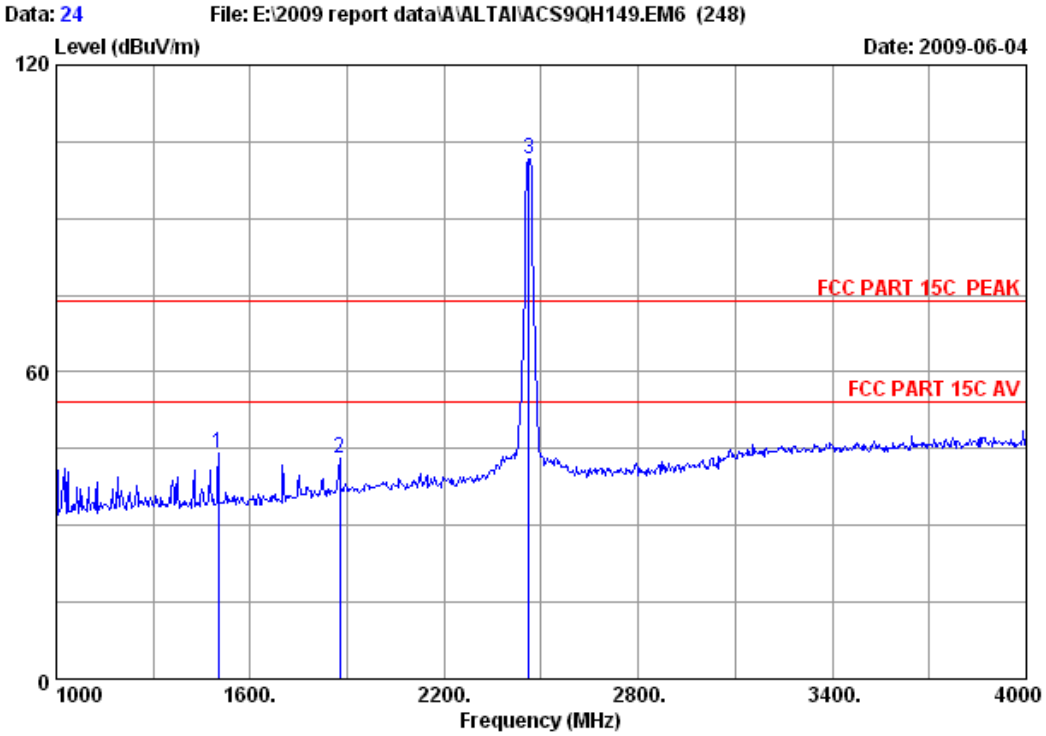
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 24
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	48.68	44.16	74.00	29.84	Peak
2	1876.000	27.43	5.92	35.34	45.27	43.28	74.00	30.72	Peak
3	2462.000	28.55	6.84	35.11	101.23	101.51	74.00	-27.51	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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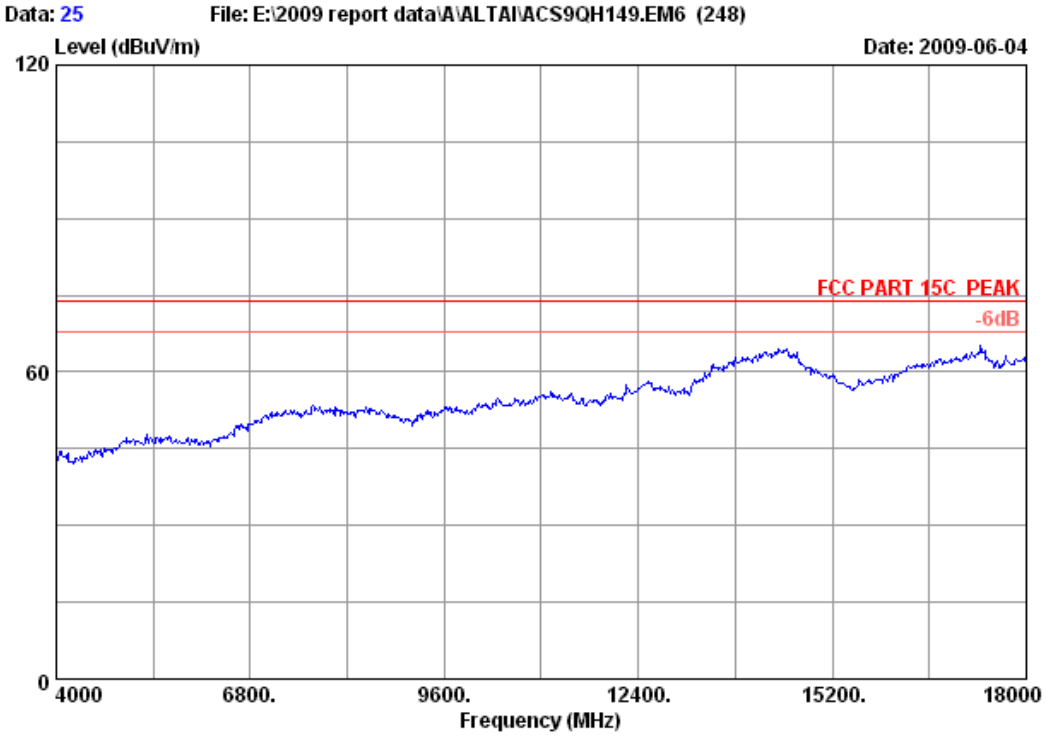
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no.	: 3m Chamber	Data no.	: 25
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11g CH1 2412MHz		
M/N	:		

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ShenZhen Science & Industry Park
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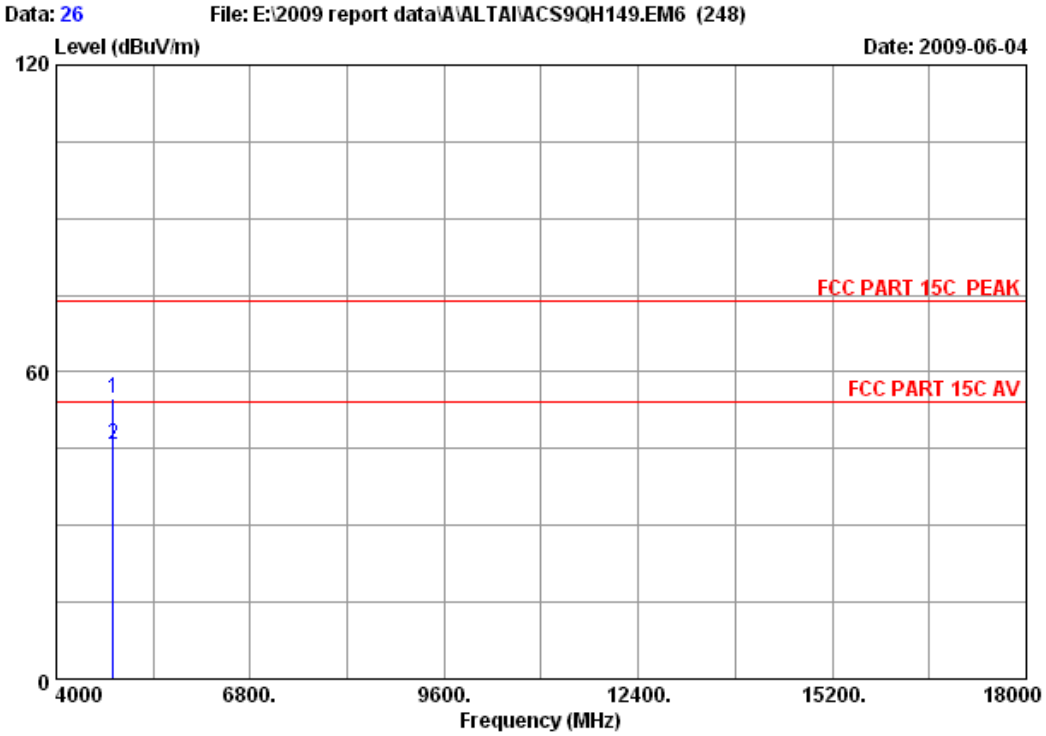

Site no. : 3m Chamber Data no. : 26
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.47	10.55	34.59	44.49	54.92	74.00	19.08	Peak
2	4824.000	34.47	10.55	34.59	35.24	45.67	54.00	8.33	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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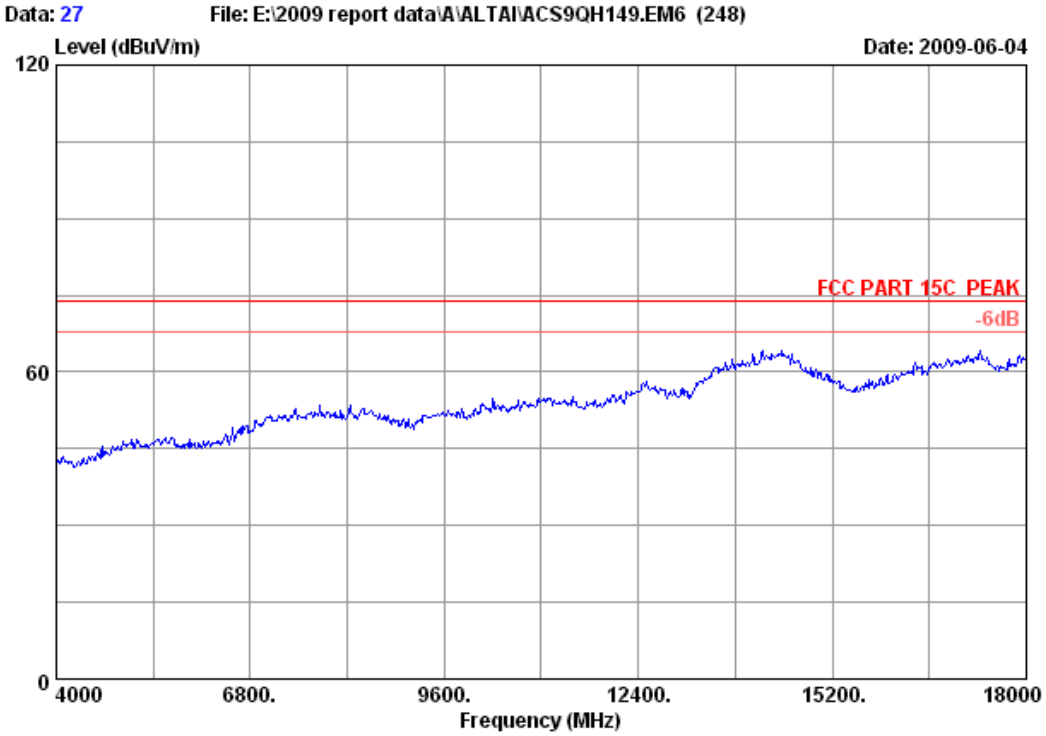

Site no.	: 3m Chamber	Data no.	: 27
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11g CH1 2412MHz		
M/N	:		

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Fax:+86-755-26632877
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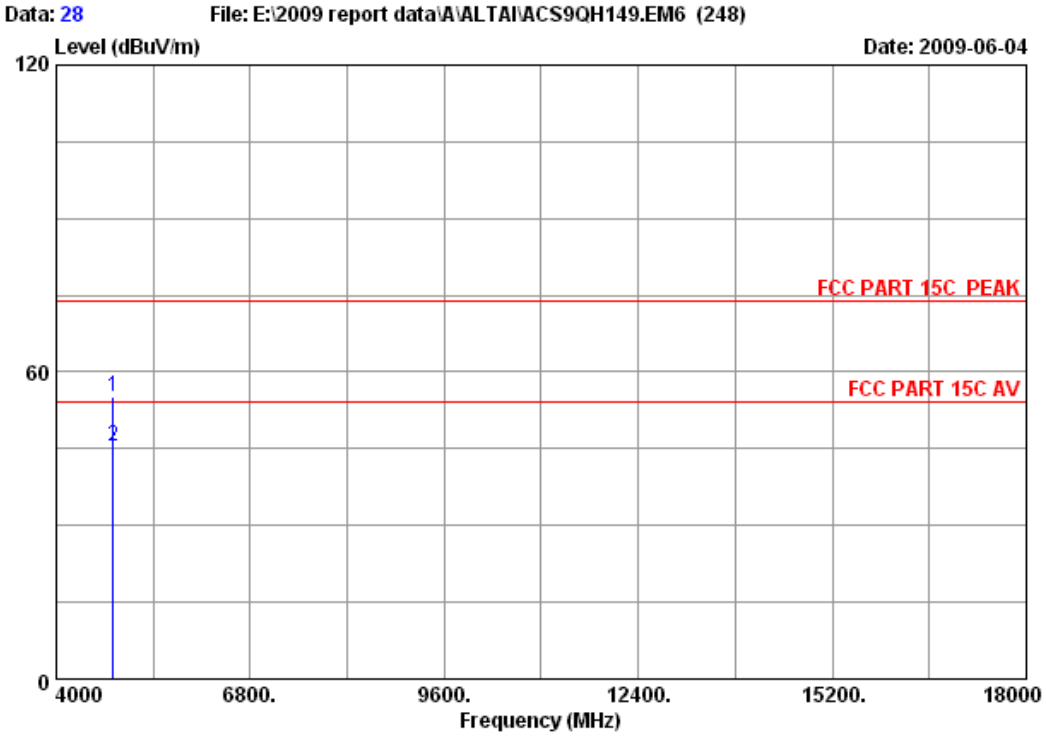

Site no. : 3m Chamber Data no. : 28
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.47	10.55	34.59	44.68	55.11	74.00	18.89	Peak
2	4824.000	34.47	10.55	34.59	34.97	45.40	54.00	8.60	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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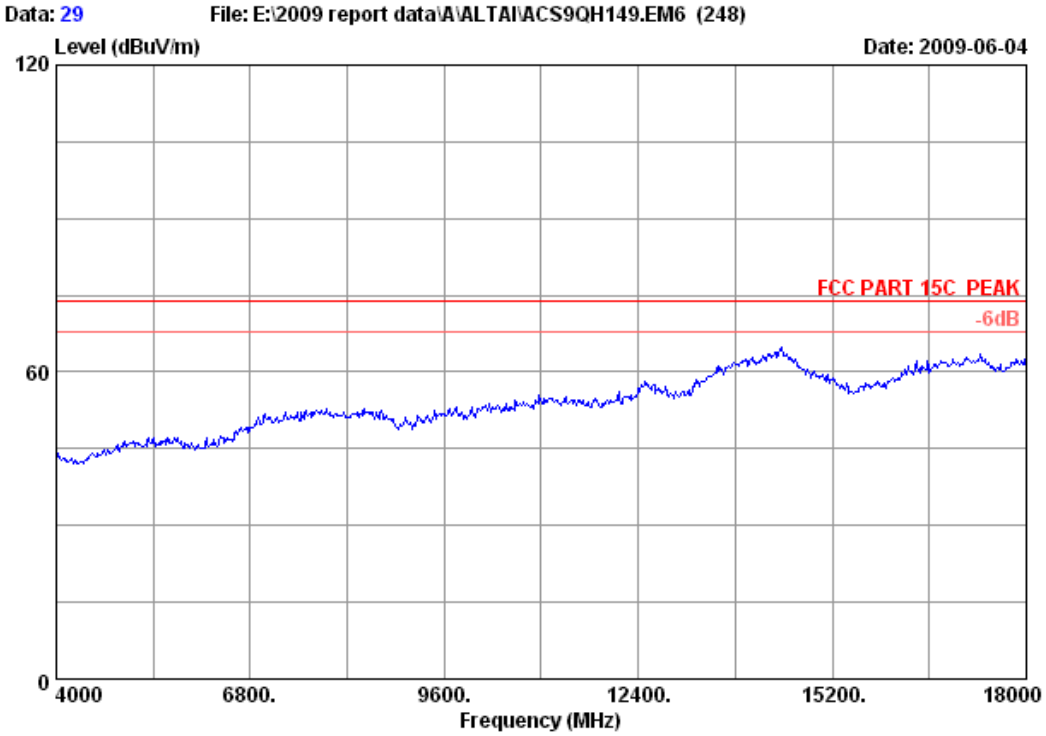

Site no.	: 3m Chamber	Data no.	: 29
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11g CH6 2437MHz		
M/N	:		

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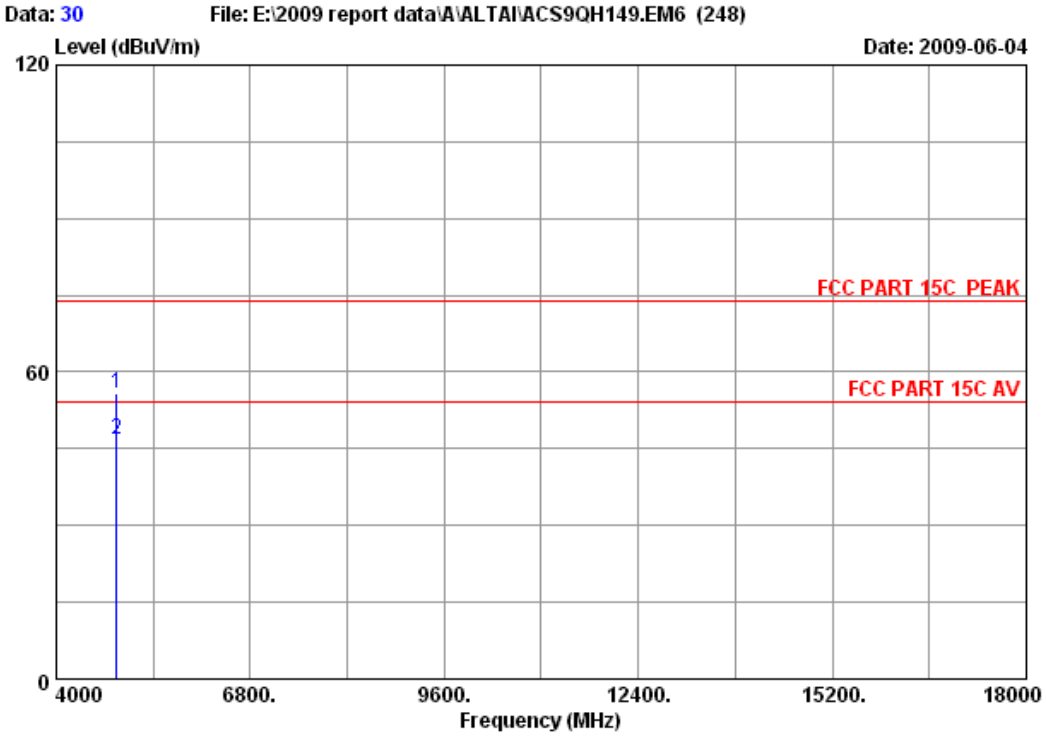

Site no. : 3m Chamber Data no. : 30
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.78	10.56	34.58	45.12	55.88	74.00	18.12	Peak
2	4874.000	34.78	10.56	34.58	36.20	46.96	54.00	7.04	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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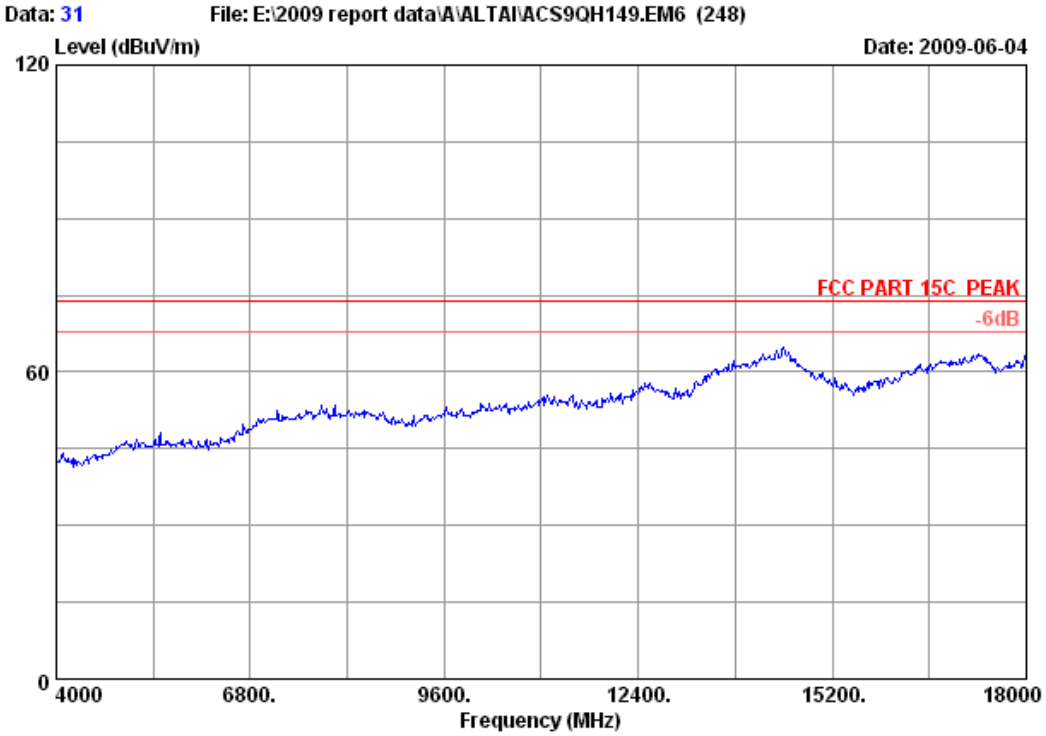


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Site no.      : 3m Chamber                Data no.   : 31
Dis. / Ant.   : 3m   3115                 Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   :Sunny-lu
EUT           : Altai A3 Smart WiFi  M/N:WA3011N
Power         : DC 56V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11g CH6 2437MHz
M/N           :
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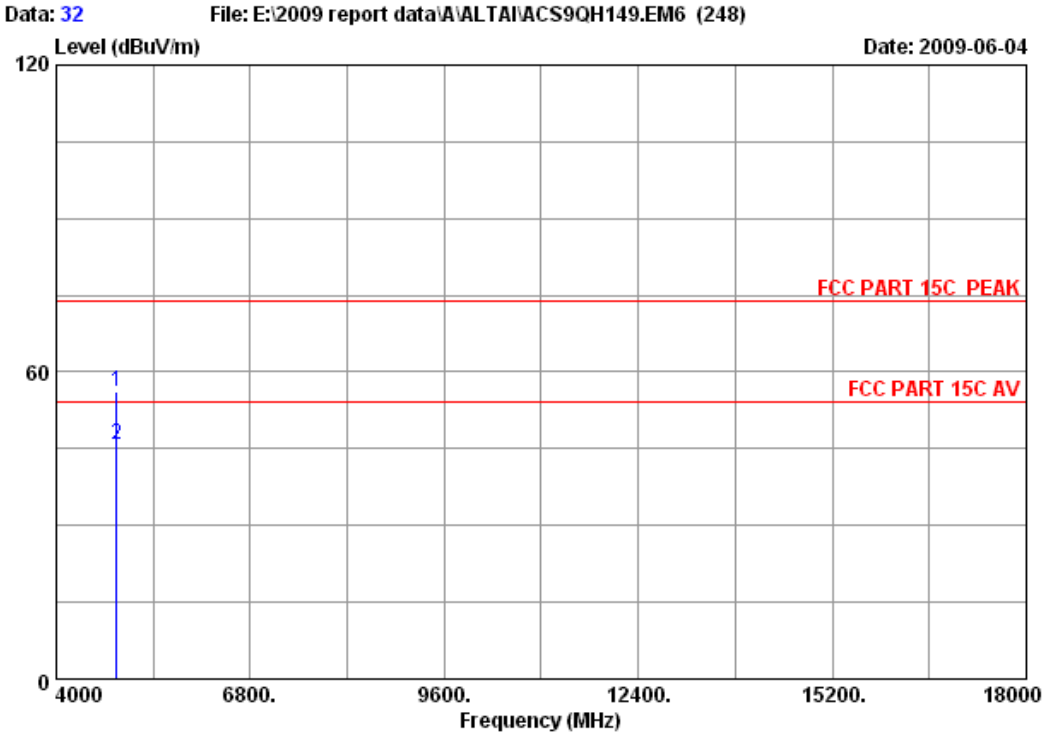

Site no. : 3m Chamber Data no. : 32
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.78	10.56	34.58	45.39	56.15	74.00	17.85	Peak
2	4874.000	34.78	10.56	34.58	35.17	45.93	54.00	8.07	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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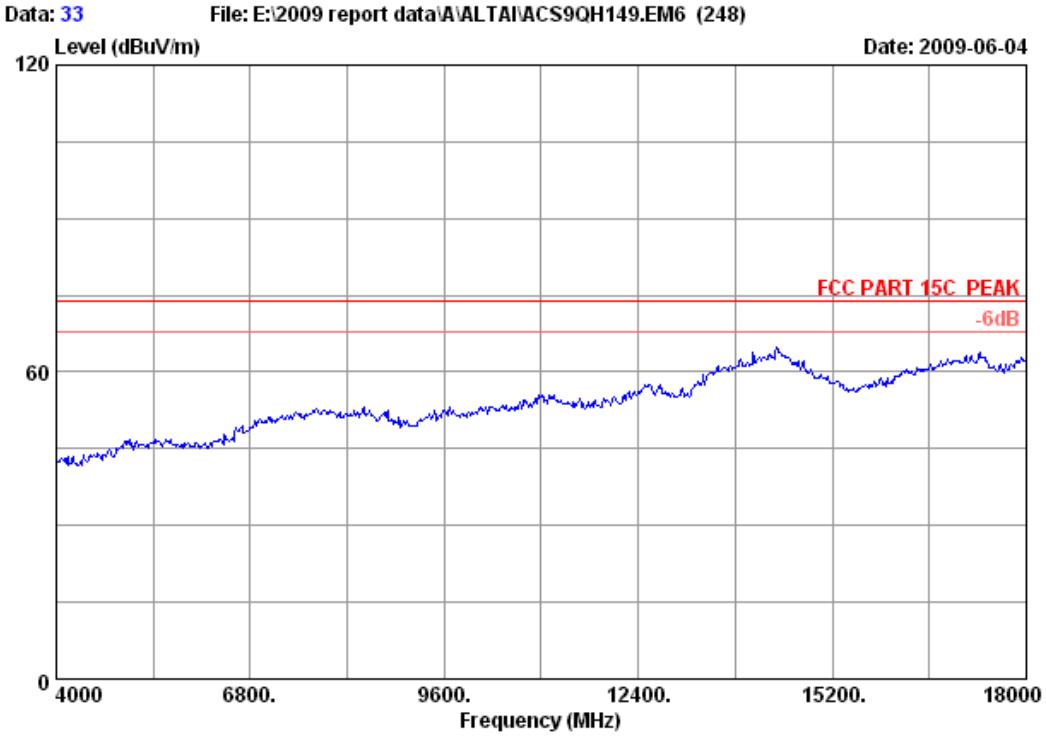

Site no. : 3m Chamber Data no. : 33
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz
M/N :

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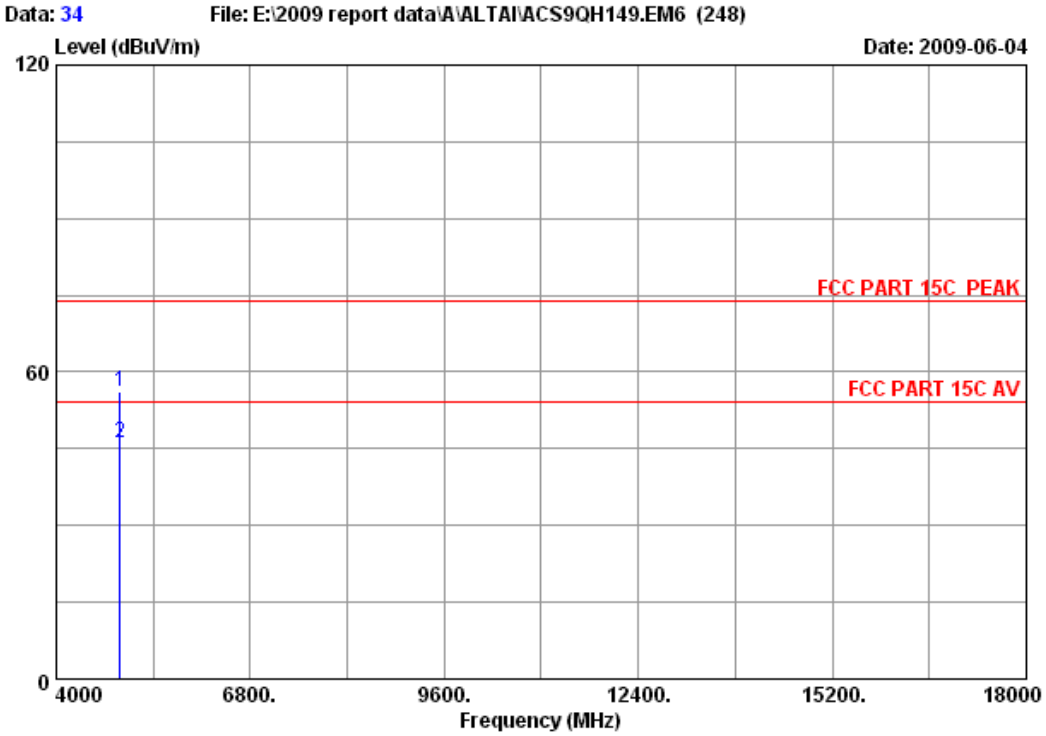
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 34
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.09	10.58	34.57	45.10	56.20	74.00	17.80	Peak
2	4924.000	35.09	10.58	34.57	35.08	46.18	54.00	7.82	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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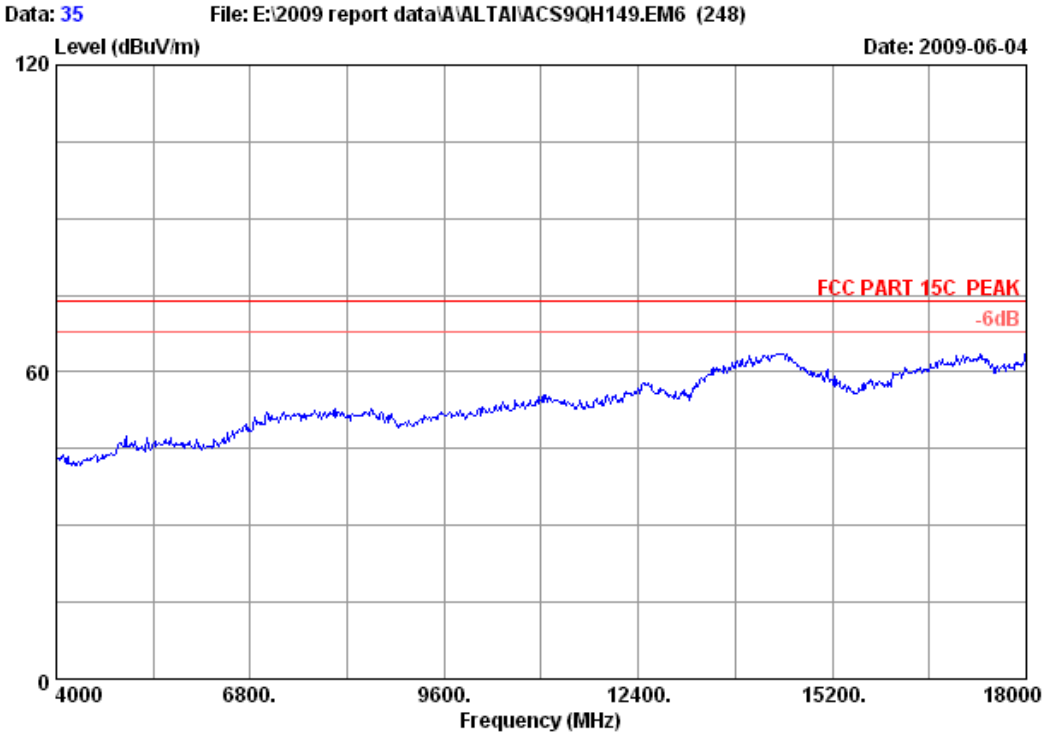

Site no.	: 3m Chamber	Data no.	: 35
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11g CH11 2462MHz		
M/N	:		

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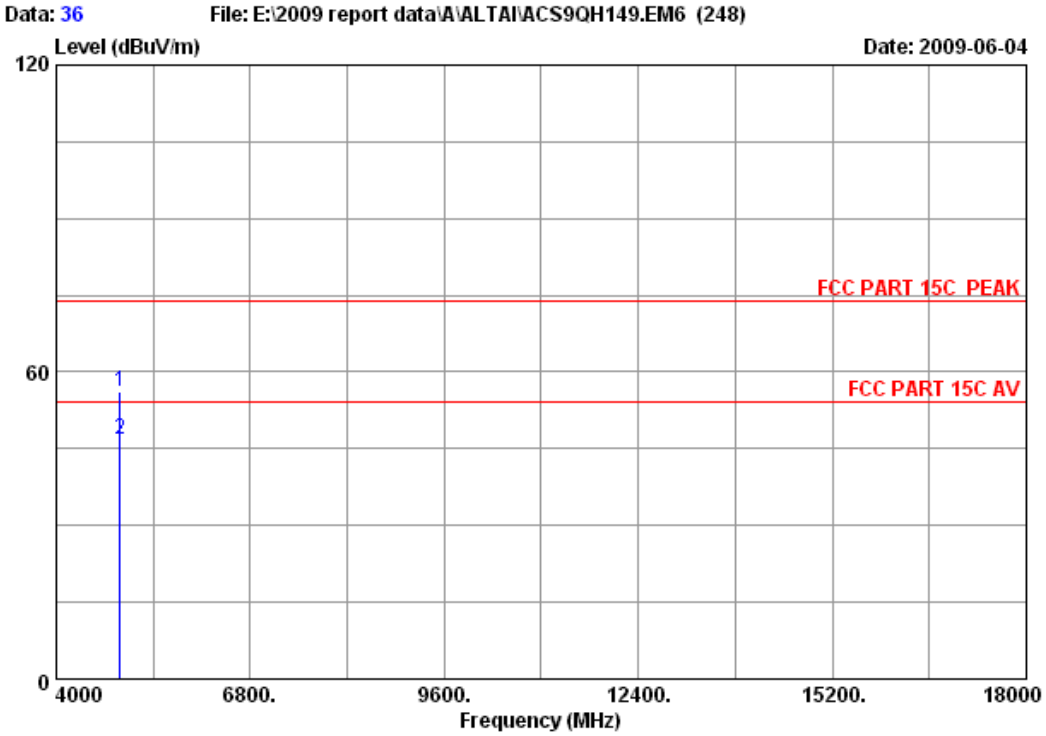

Site no. : 3m Chamber Data no. : 36
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11g CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.09	10.58	34.57	45.01	56.11	74.00	17.89	Peak
2	4924.000	35.09	10.58	34.57	35.68	46.78	54.00	7.22	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: Above 1GHz IEEE 802.11n HT20 2.4G mode

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Fax:+86-755-26632877
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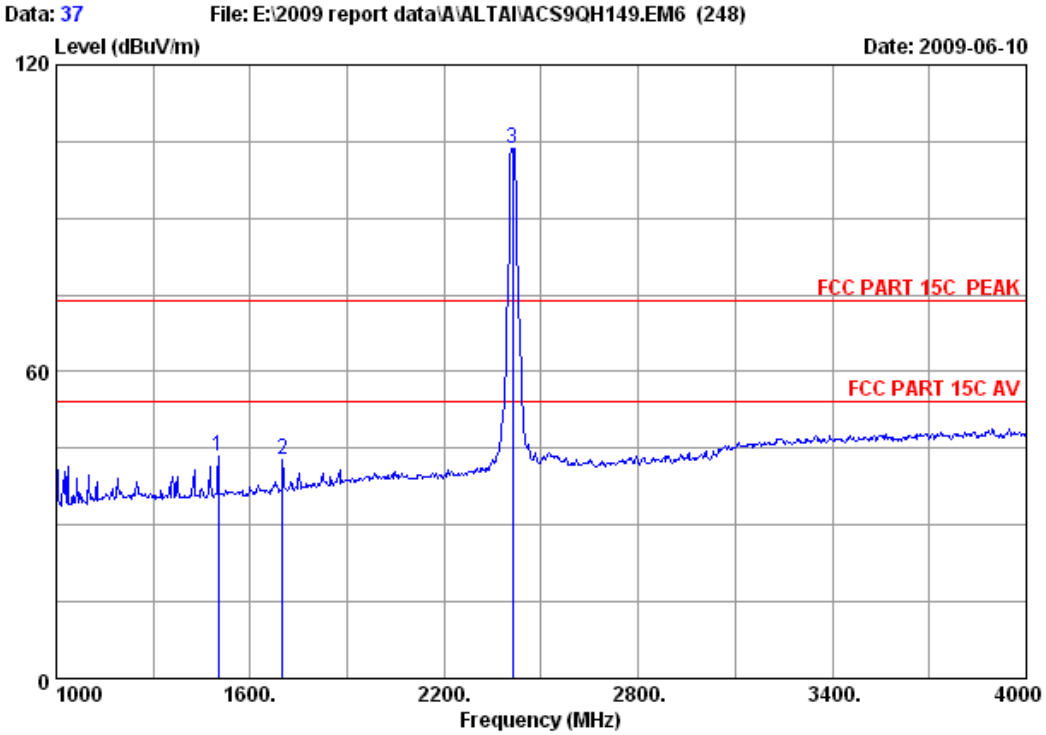

Site no. : 3m Chamber Data no. : 37
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	47.89	43.37	74.00	30.63	Peak
2	1699.000	26.70	5.64	35.54	45.93	42.73	74.00	31.27	Peak
3	2412.000	28.48	6.73	35.12	103.61	103.70	74.00	-29.70	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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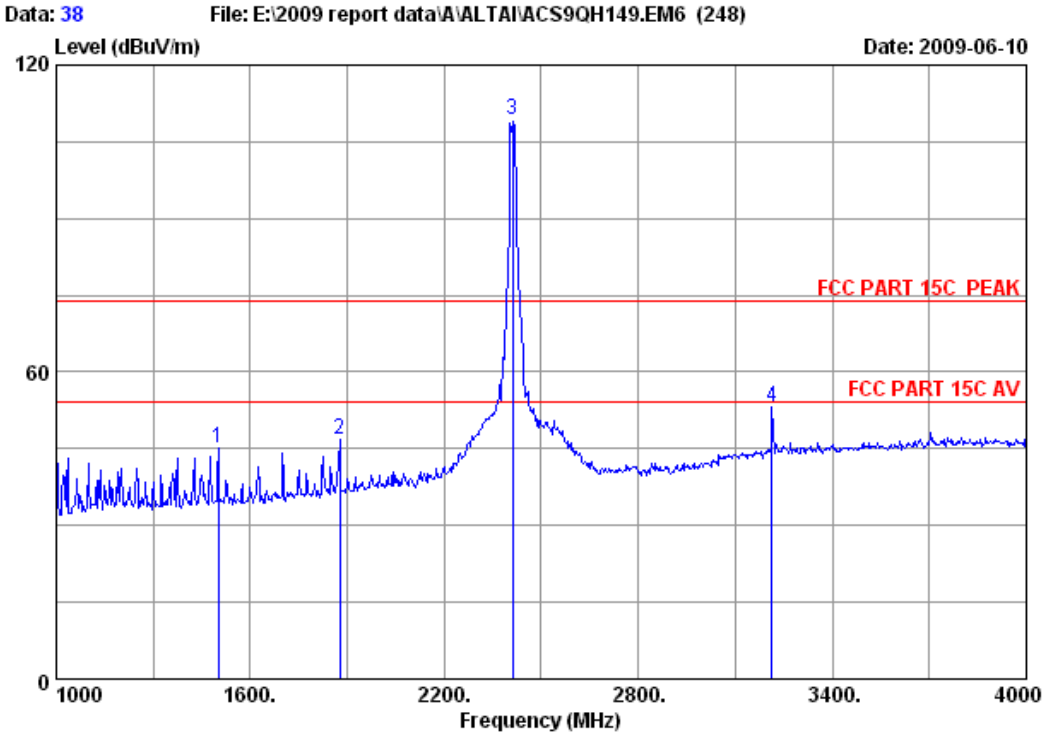

Site no. : 3m Chamber Data no. : 38
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	49.81	45.29	74.00	28.71	Peak
2	1876.000	27.43	5.92	35.34	48.67	46.68	74.00	27.32	Peak
3	2412.000	28.48	6.73	35.12	109.25	109.34	74.00	-35.34	Peak
4	3214.000	30.78	8.13	34.96	49.24	53.19	74.00	20.81	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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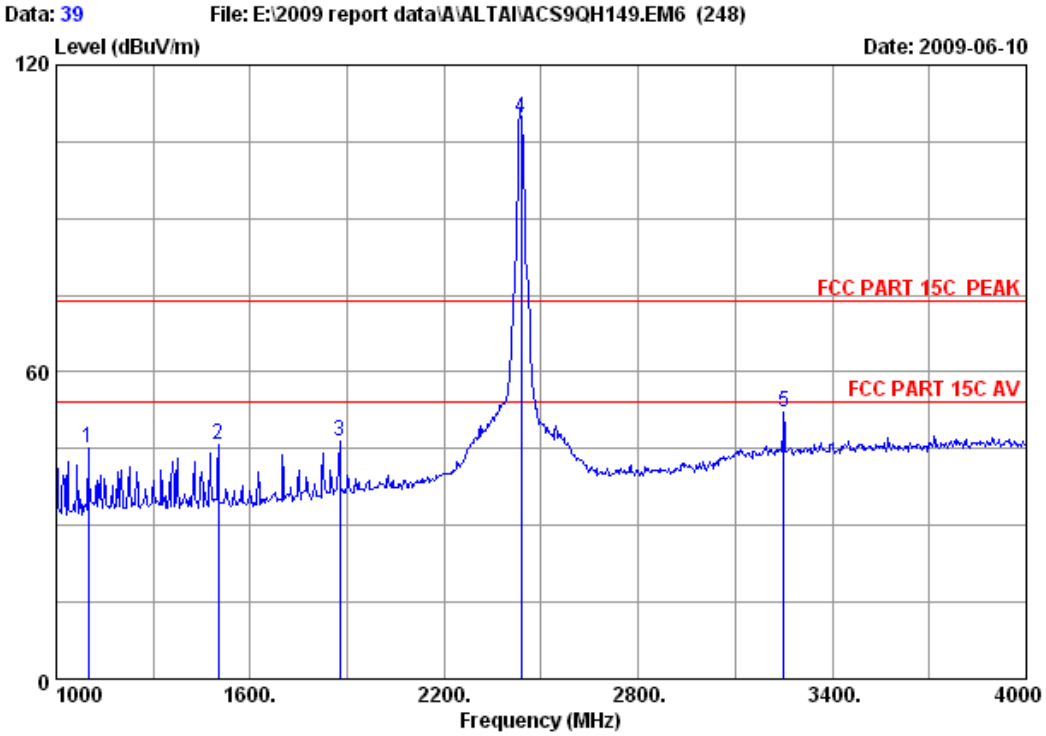

Site no. : 3m Chamber Data no. : 39
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1099.000	25.34	4.56	36.19	51.27	44.98	74.00	29.02	Peak
2	1501.000	25.90	5.32	35.74	50.30	45.78	74.00	28.22	Peak
3	1876.000	27.43	5.92	35.34	48.62	46.63	74.00	27.37	Peak
4	2437.000	28.53	6.80	35.11	109.39	109.61	74.00	-35.61	Peak
5	3250.000	30.88	8.23	34.95	48.07	52.23	74.00	21.77	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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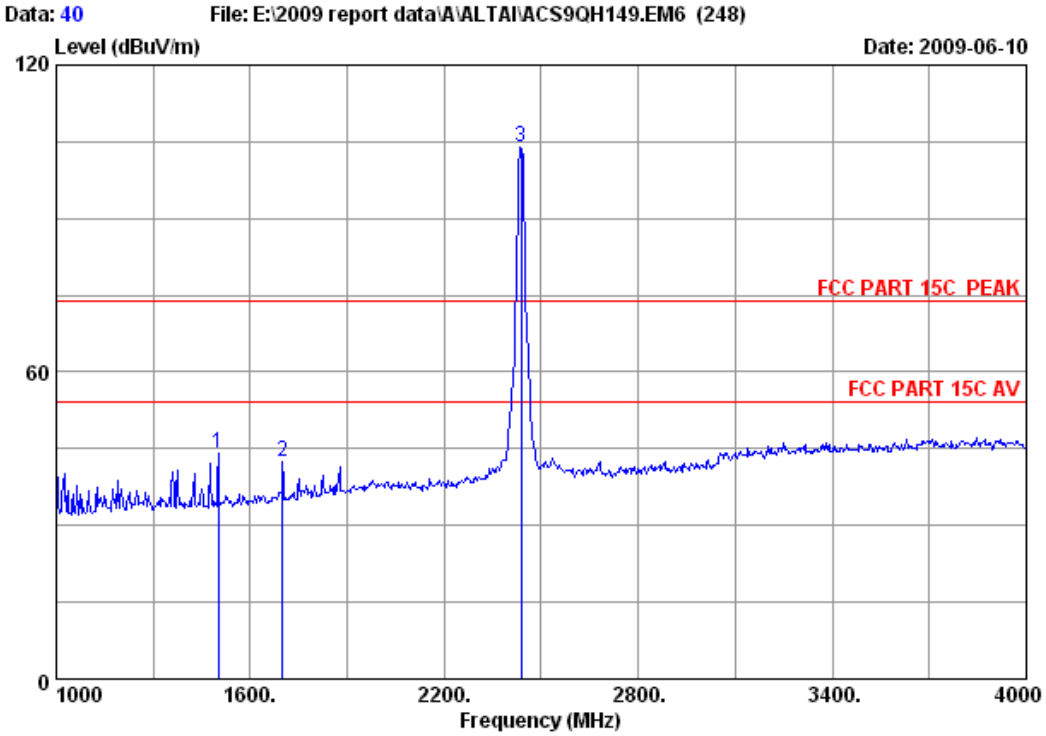
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 40
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	48.77	44.25	74.00	29.75	Peak
2	1699.000	26.70	5.64	35.54	45.65	42.45	74.00	31.55	Peak
3	2437.000	28.53	6.80	35.11	103.61	103.83	74.00	-29.83	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
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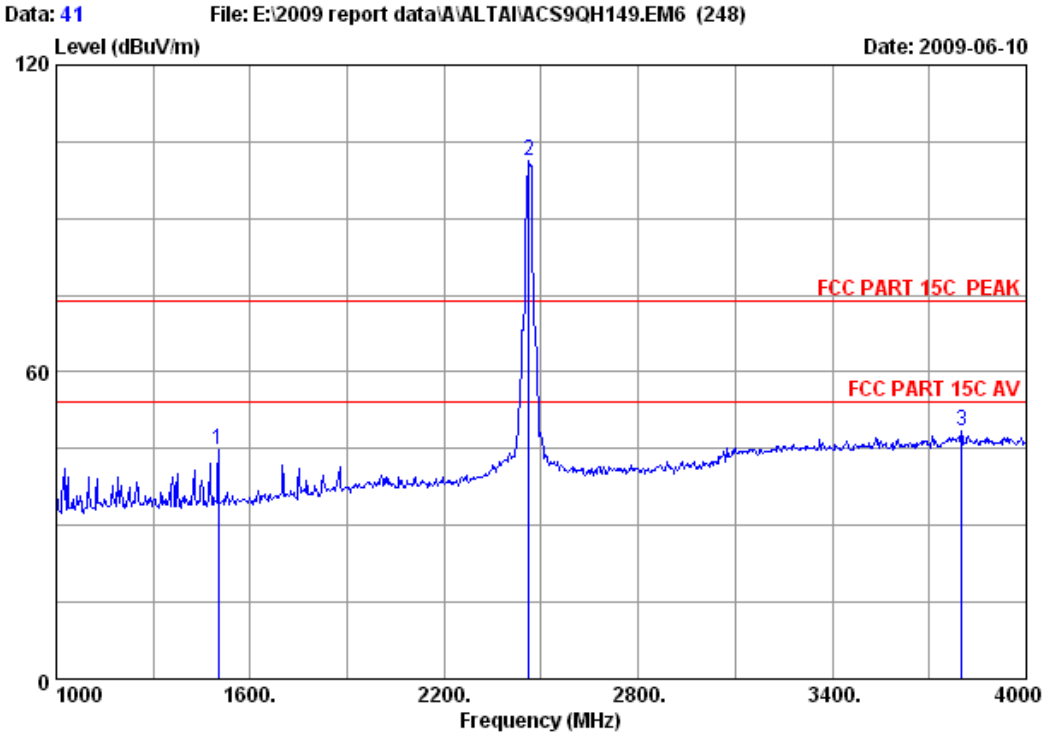

Site no. : 3m Chamber Data no. : 41
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	49.17	44.65	74.00	29.35	Peak
2	2462.000	28.55	6.84	35.11	101.01	101.29	74.00	-27.29	Peak
3	3799.000	32.03	9.40	34.84	41.79	48.38	74.00	25.62	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
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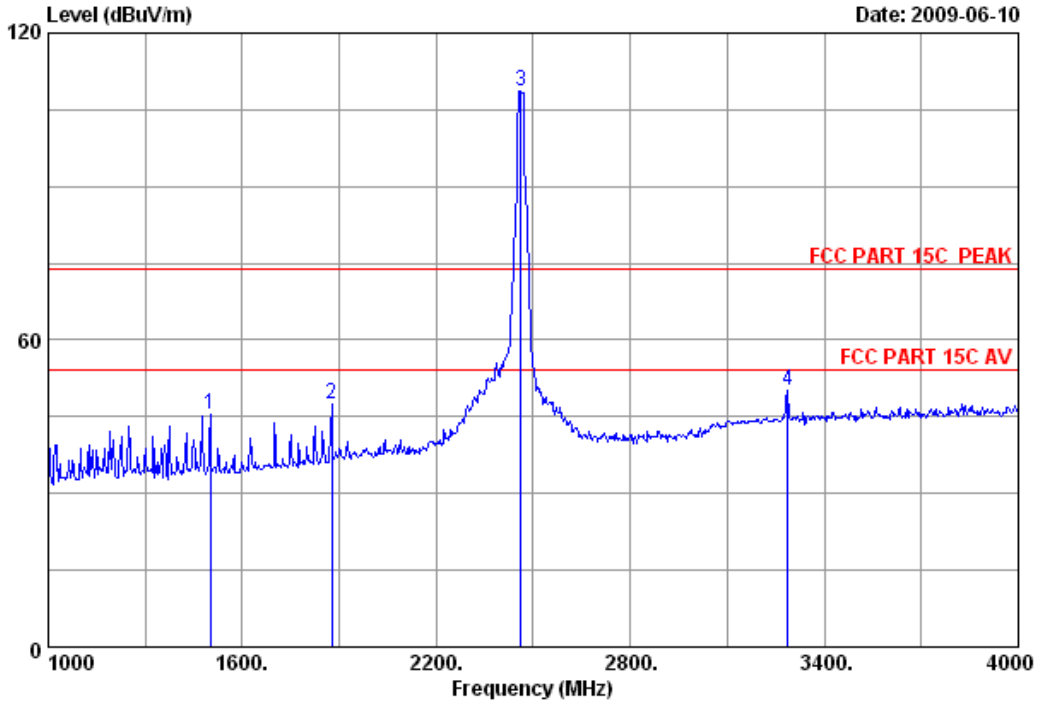
Data: 42 File: E:\2009 report data\A\ALTAI\ACS9QH149.EM6 (248)



Site no. : 3m Chamber Data no. : 42
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	50.08	45.56	74.00	28.44	Peak
2	1876.000	27.43	5.92	35.34	49.61	47.62	74.00	26.38	Peak
3	2462.000	28.55	6.84	35.11	108.37	108.65	74.00	-34.65	Peak
4	3286.000	30.97	8.33	34.94	45.66	50.02	74.00	23.98	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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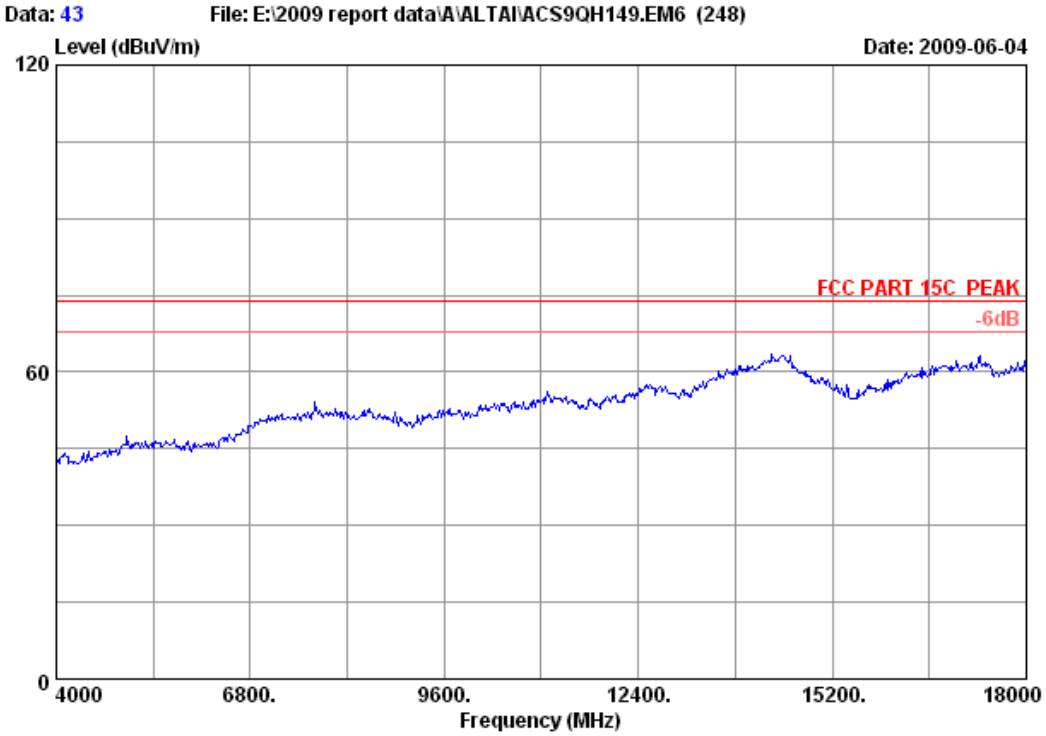

Site no.	: 3m Chamber	Data no.	: 43
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11n HT20 CH1 2412MHz		
M/N	:		

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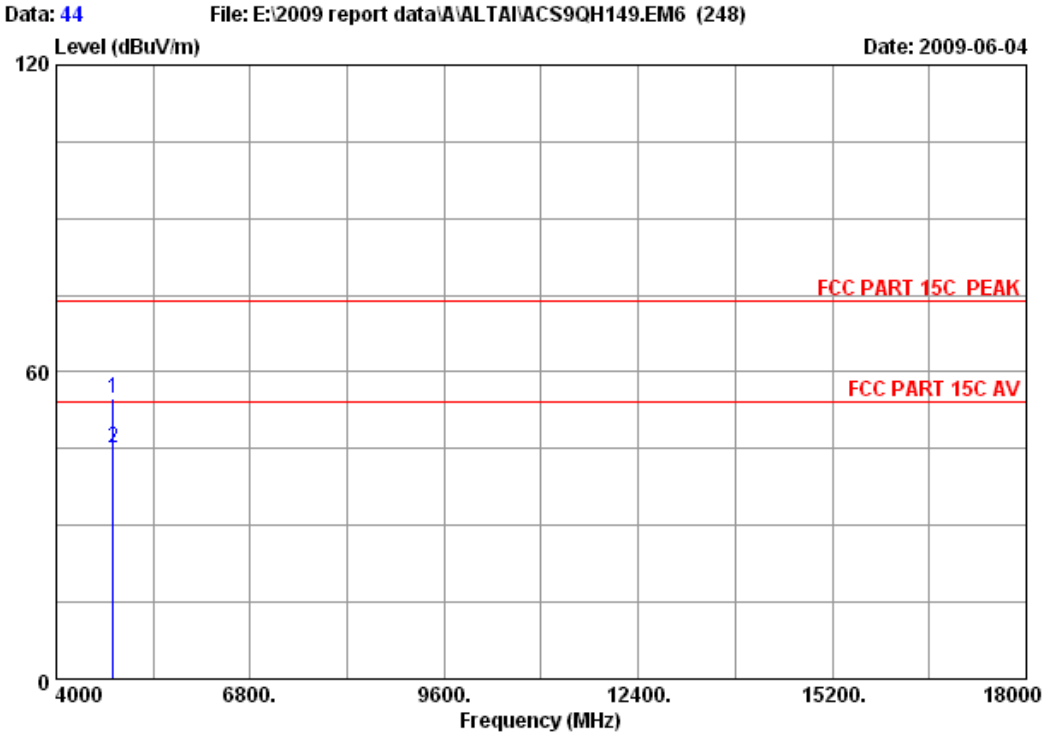

Site no. : 3m Chamber Data no. : 44
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.47	10.55	34.59	44.52	54.95	74.00	19.05	Peak
2	4824.000	34.47	10.55	34.59	34.65	45.08	54.00	8.92	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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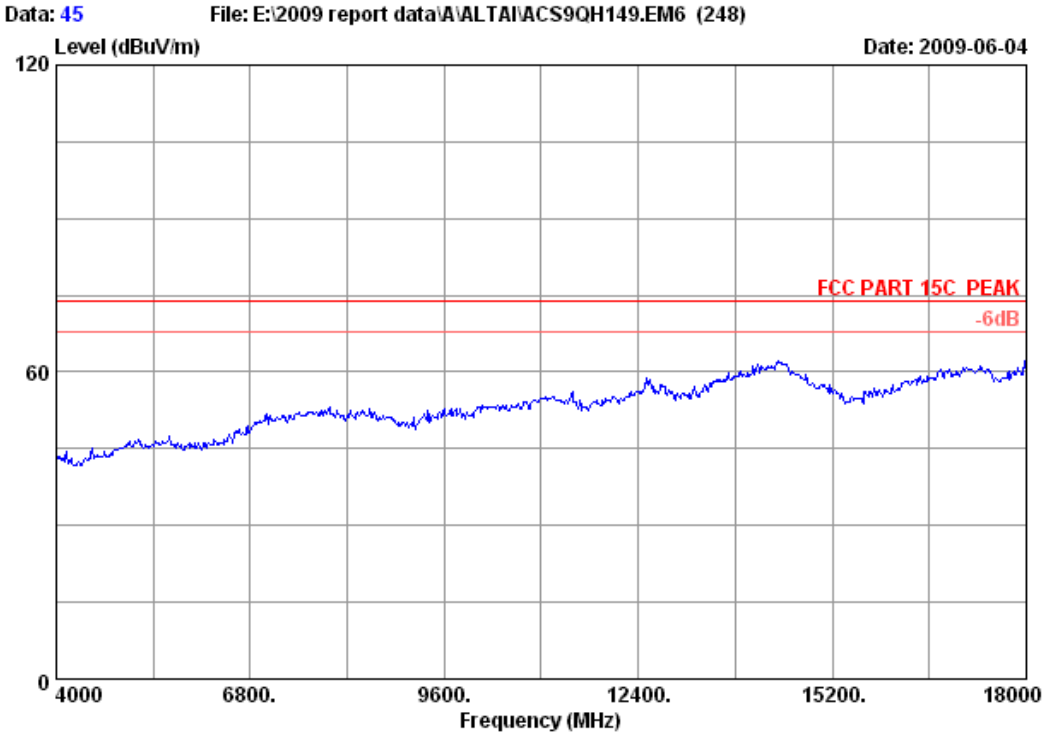

Site no. : 3m Chamber Data no. : 45
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz
M/N :

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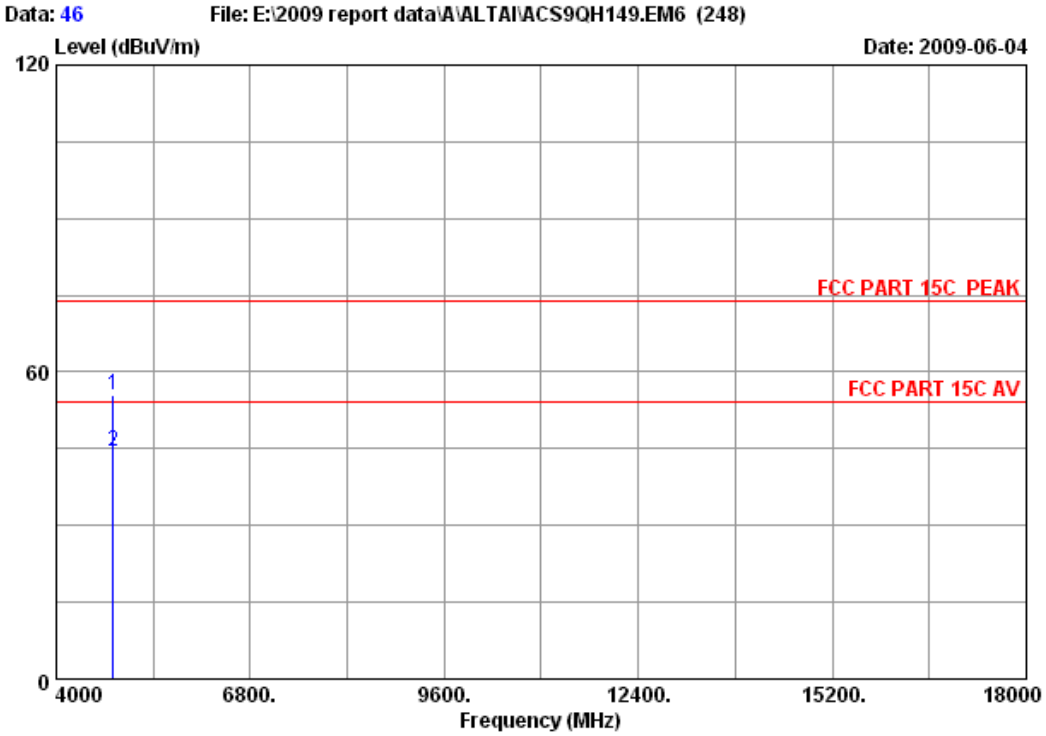

Site no. : 3m Chamber Data no. : 46
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH1 2412MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4824.000	34.47	10.55	34.59	45.08	55.51	74.00	18.49	Peak
2	4824.000	34.47	10.55	34.59	34.04	44.47	54.00	9.53	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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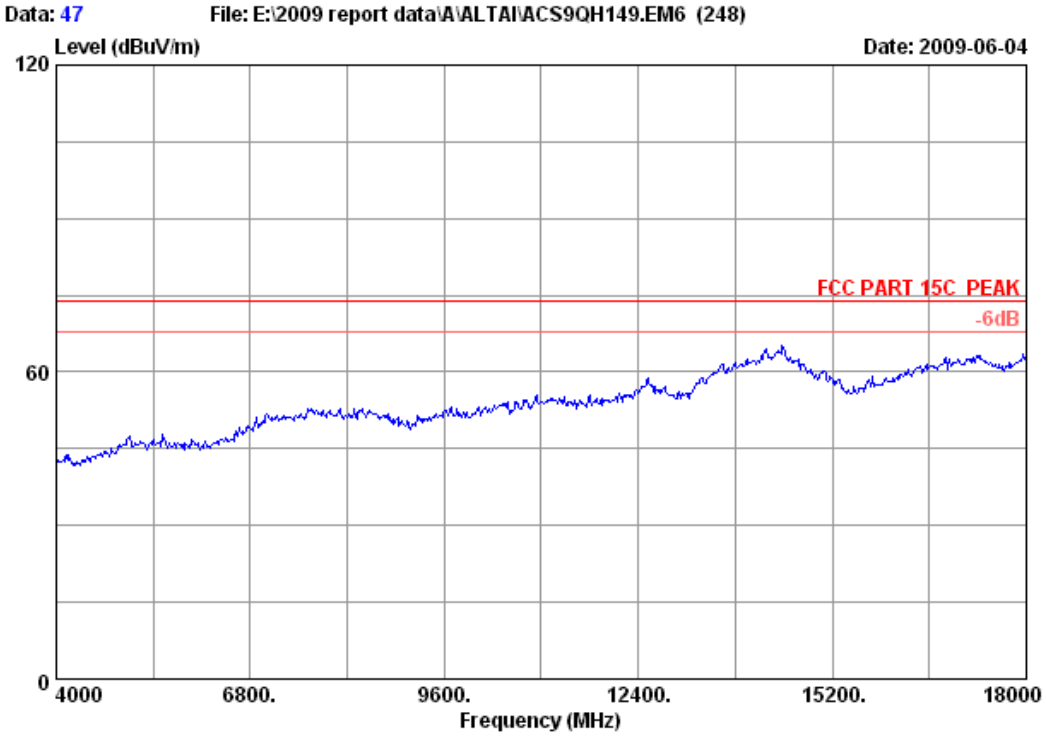

Site no. : 3m Chamber Data no. : 47
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH6 2437MHz
M/N :

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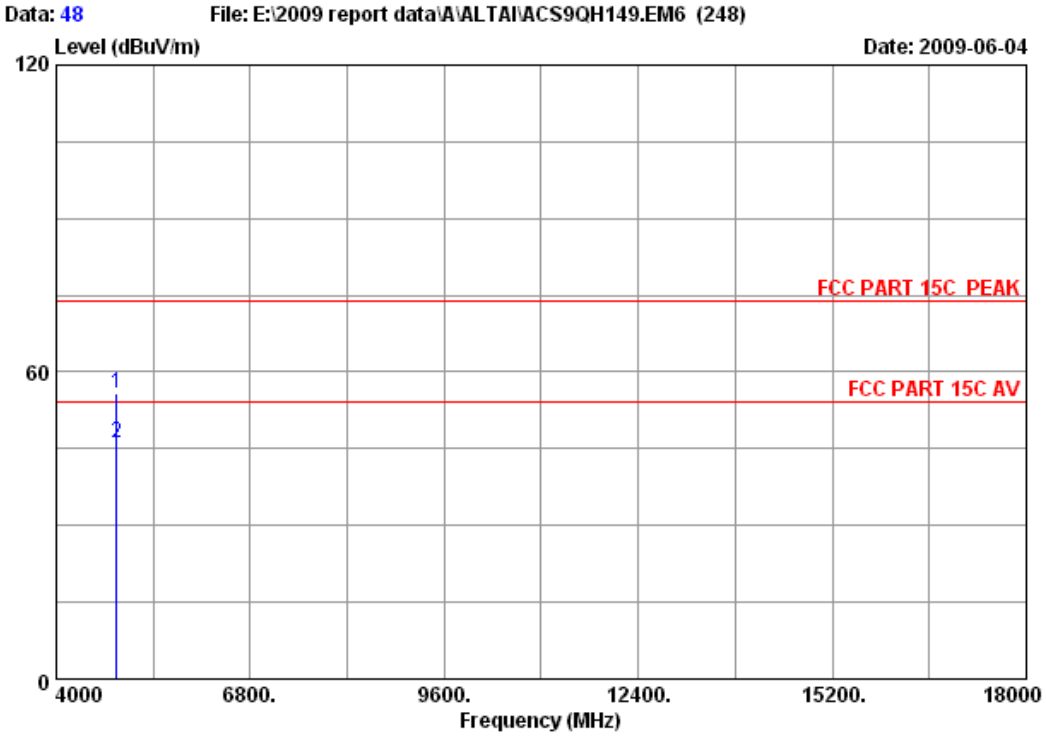

Site no. : 3m Chamber Data no. : 48
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.78	10.56	34.58	45.16	55.92	74.00	18.08	Peak
2	4874.000	34.78	10.56	34.58	35.26	46.02	54.00	7.98	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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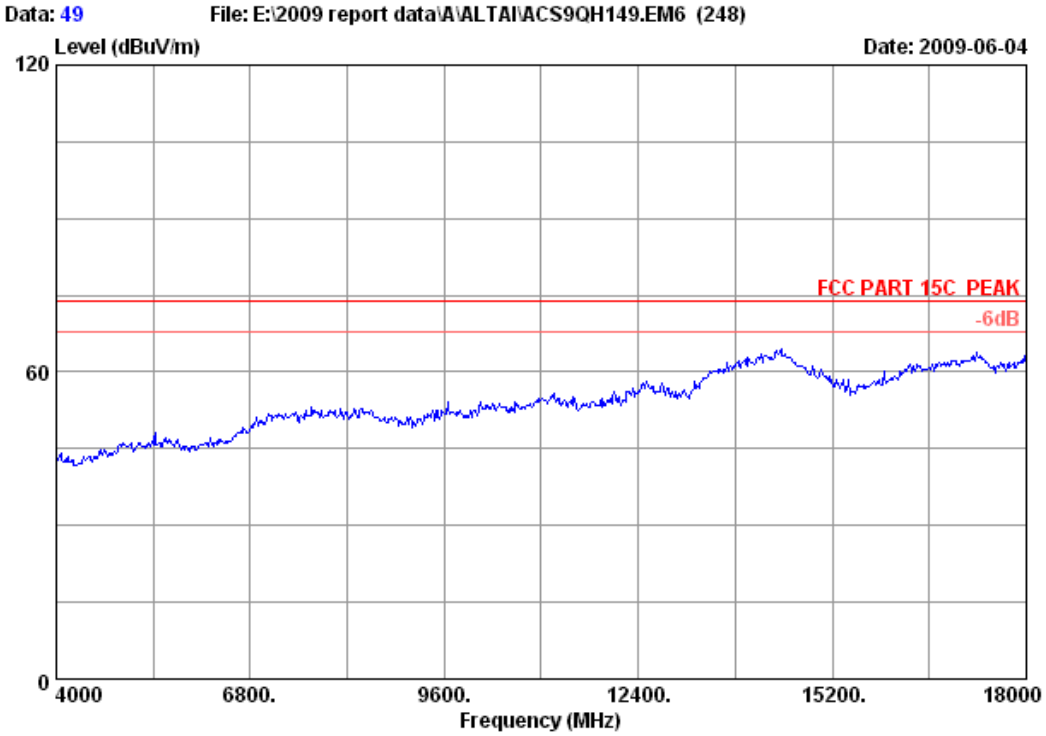

Site no.	: 3m Chamber	Data no.	: 49
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11n HT20 CH6 2437MHz		
M/N	:		

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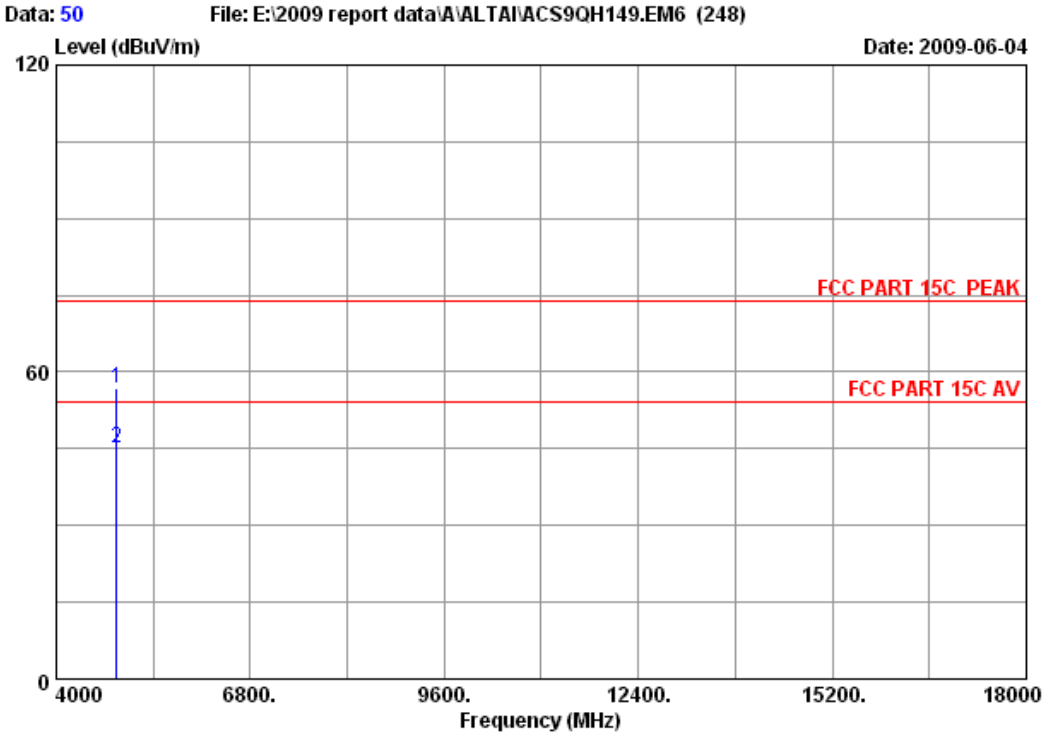
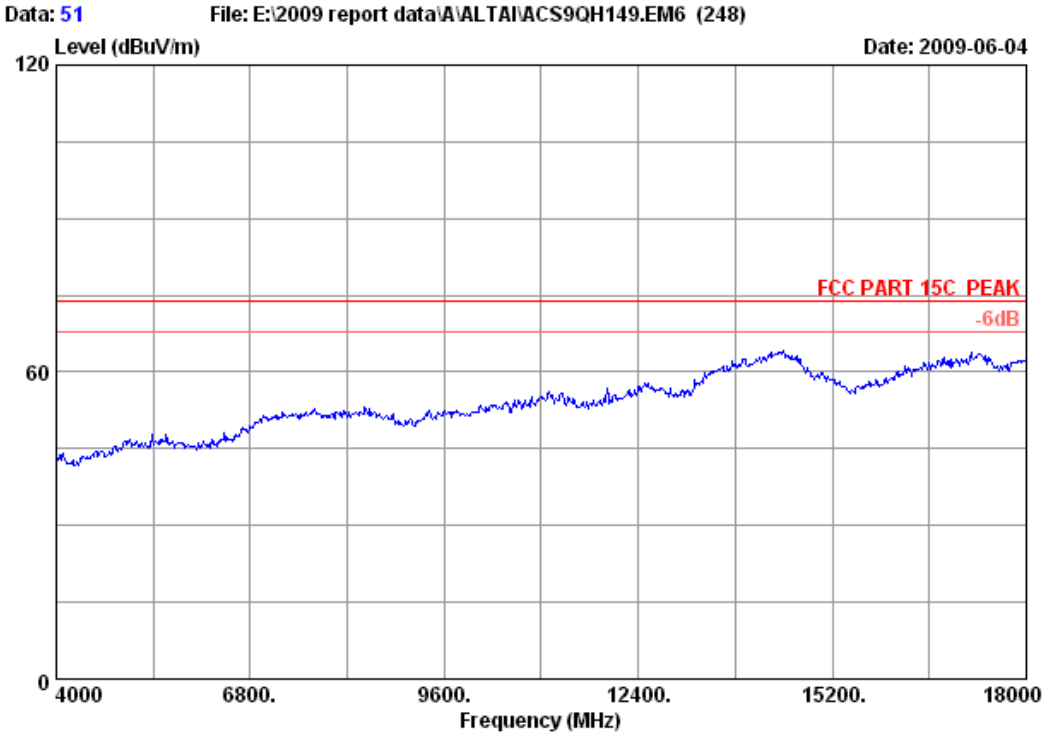


Site no. : 3m Chamber Data no. : 50
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH6 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.78	10.56	34.58	45.98	56.74	74.00	17.26	Peak
2	4874.000	34.78	10.56	34.58	34.28	45.04	54.00	8.96	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 51
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz
M/N :

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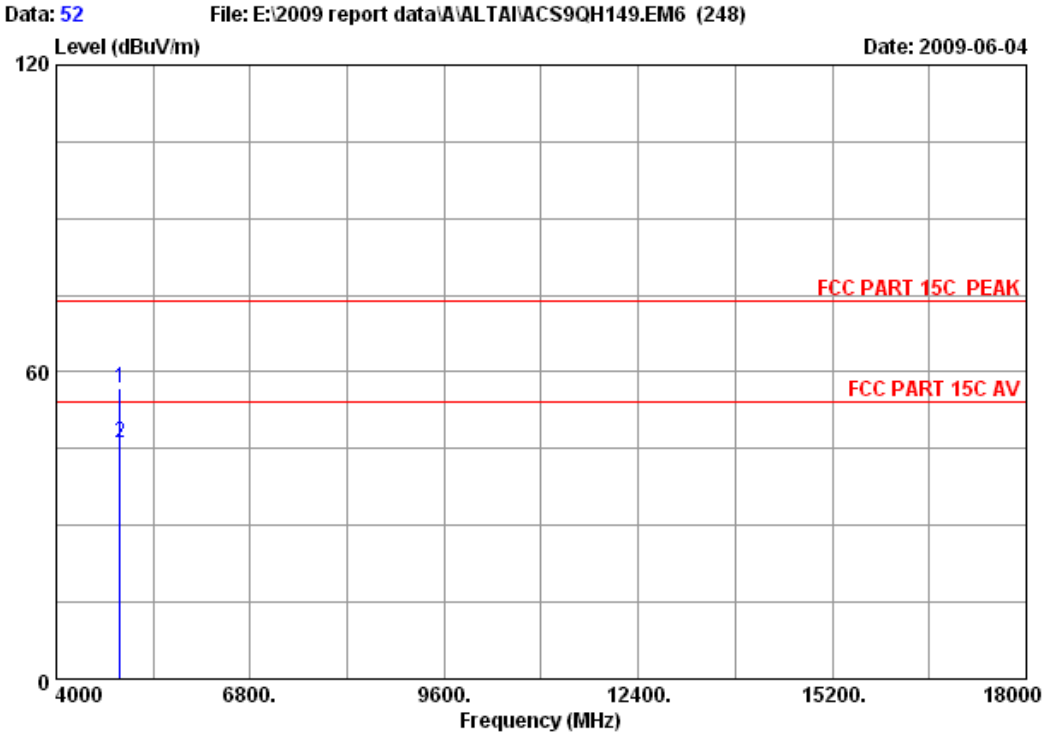
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 52
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.09	10.58	34.57	45.69	56.79	74.00	17.21	Peak
2	4924.000	35.09	10.58	34.57	34.87	45.97	54.00	8.03	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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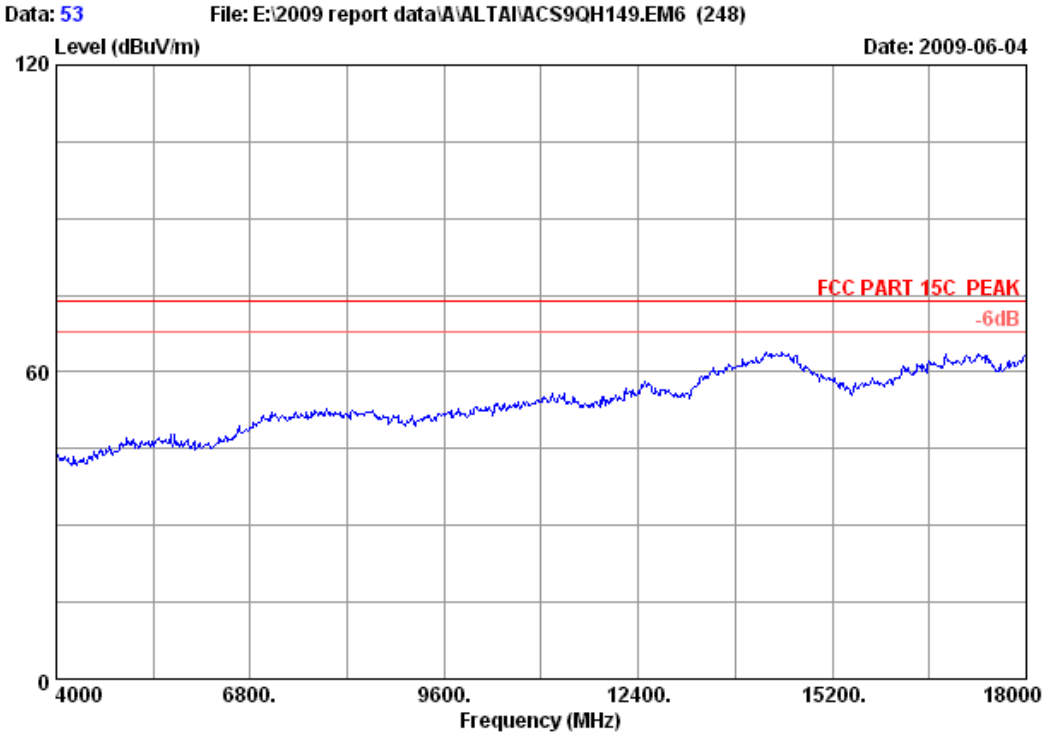

Site no. : 3m Chamber Data no. : 53
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz
M/N :

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ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
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Fax:+86-755-26632877
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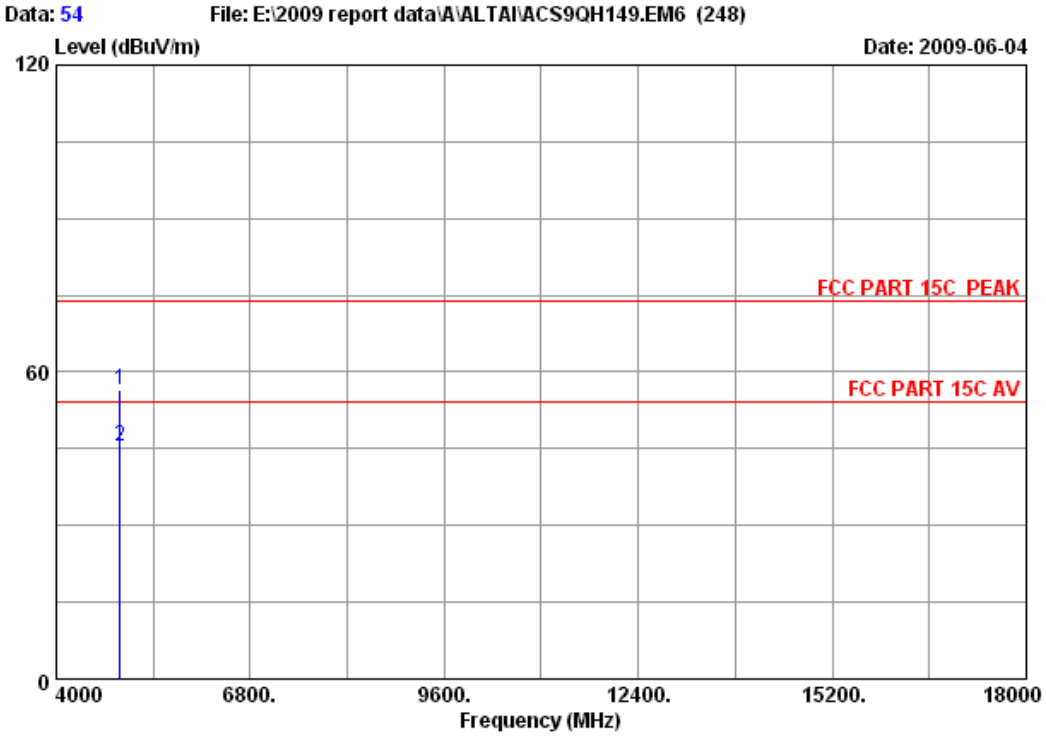

Site no. : 3m Chamber Data no. : 54
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH11 2462MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4924.000	35.09	10.58	34.57	45.26	56.36	74.00	17.64	Peak
2	4924.000	35.09	10.58	34.57	34.24	45.34	54.00	8.66	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: Above 1GHz IEEE 802.11n HT40 2.4G mode

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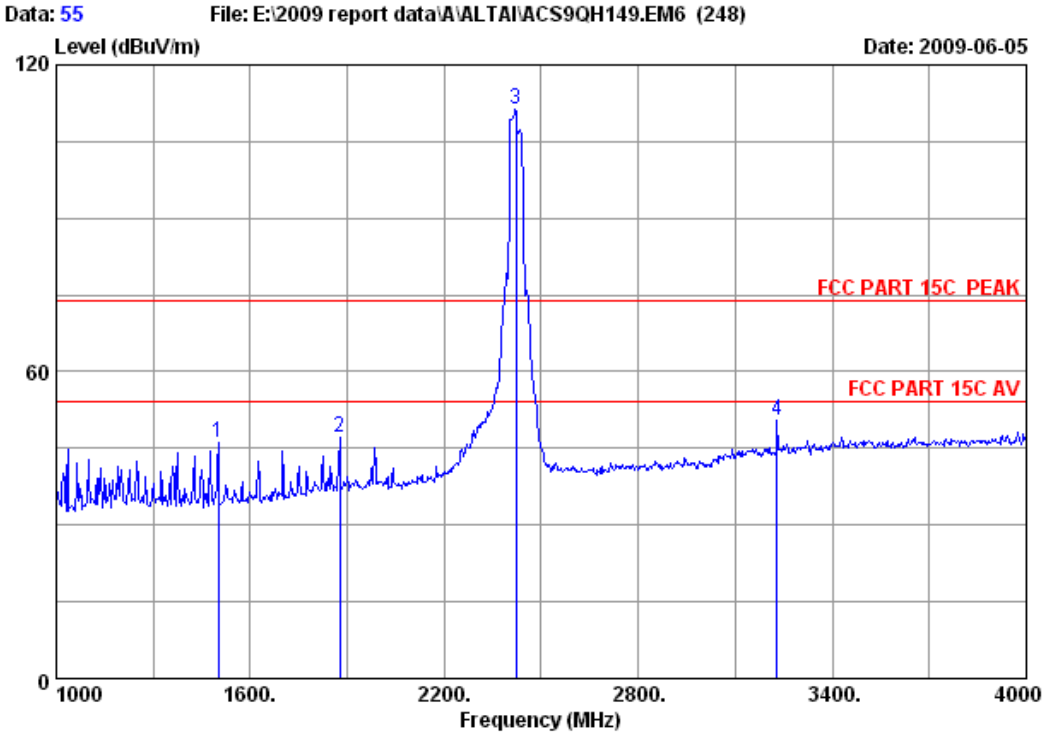
Postcode:518057



Site no. : 3m Chamber Data no. : 55
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	50.50	45.98	74.00	28.02	Peak
2	1876.000	27.43	5.92	35.34	49.28	47.29	74.00	26.71	Peak
3	2422.000	28.50	6.77	35.11	111.10	111.26	74.00	-37.26	Peak
4	3229.000	30.83	8.18	34.96	46.44	50.49	74.00	23.51	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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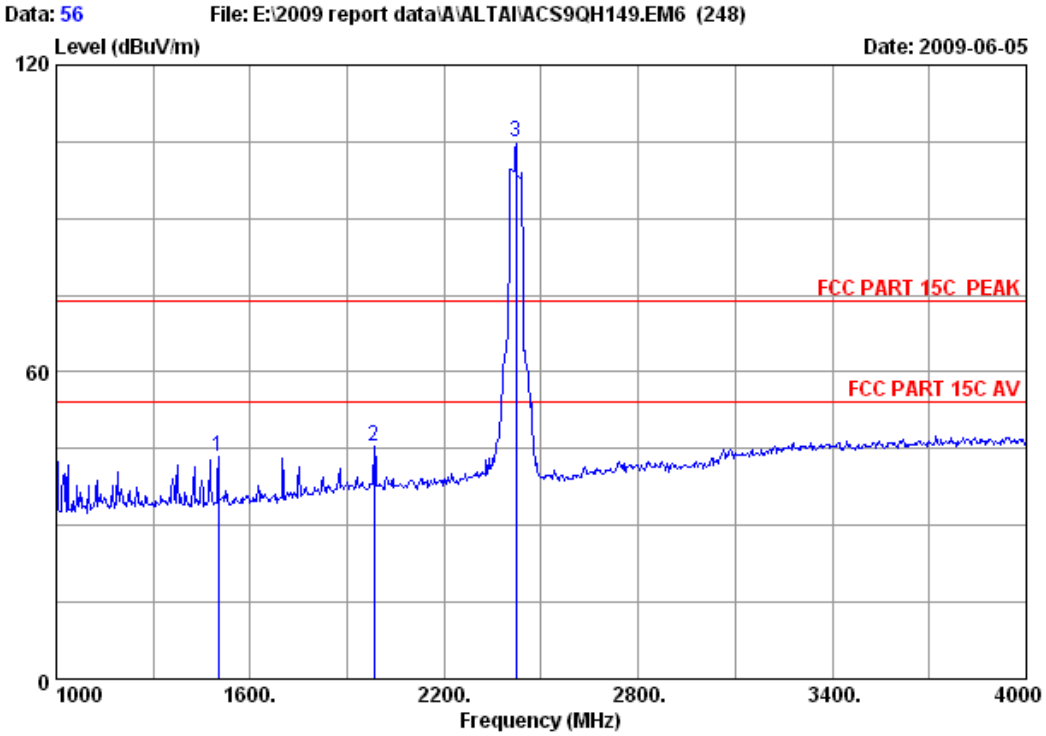

Site no. : 3m Chamber Data no. : 56
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	48.02	43.50	74.00	30.50	Peak
2	1984.000	27.83	6.16	35.20	46.74	45.53	74.00	28.47	Peak
3	2422.000	28.50	6.77	35.11	104.91	105.07	74.00	-31.07	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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Fax:+86-755-26632877
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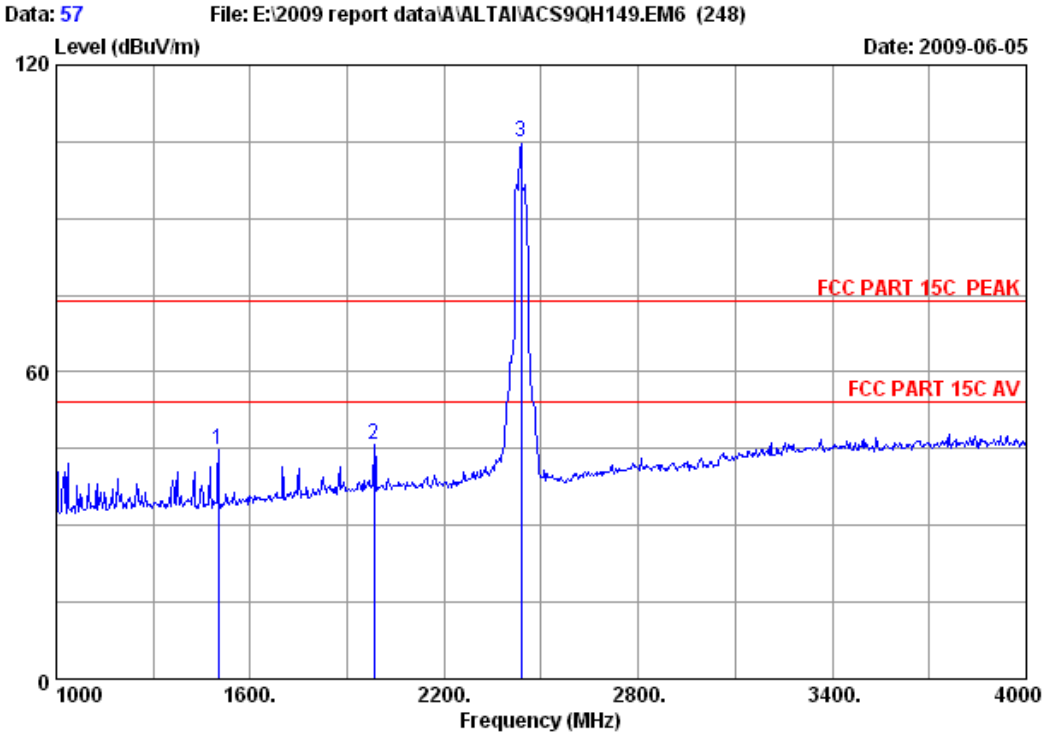

Site no. : 3m Chamber Data no. : 57
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH4 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	49.18	44.66	74.00	29.34	Peak
2	1984.000	27.83	6.16	35.20	47.09	45.88	74.00	28.12	Peak
3	2437.000	28.53	6.80	35.11	104.67	104.89	74.00	-30.89	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
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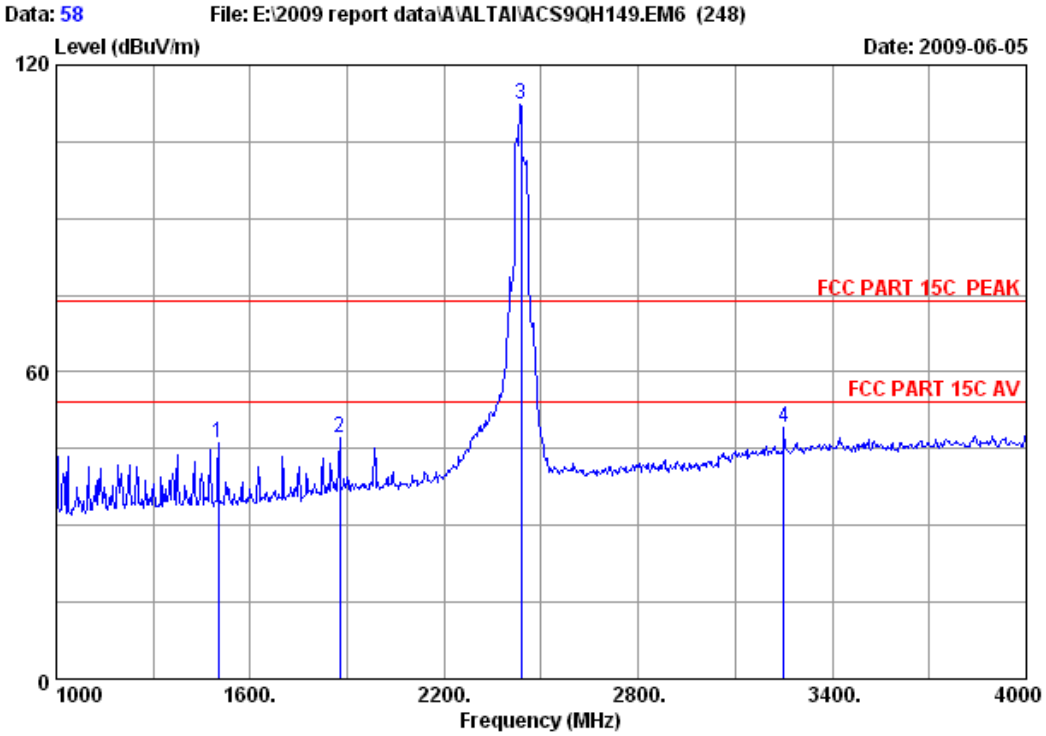
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 58
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH4 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	50.77	46.25	74.00	27.75	Peak
2	1876.000	27.43	5.92	35.34	48.97	46.98	74.00	27.02	Peak
3	2437.000	28.53	6.80	35.11	112.08	112.30	74.00	-38.30	Peak
4	3250.000	30.88	8.23	34.95	44.83	48.99	74.00	25.01	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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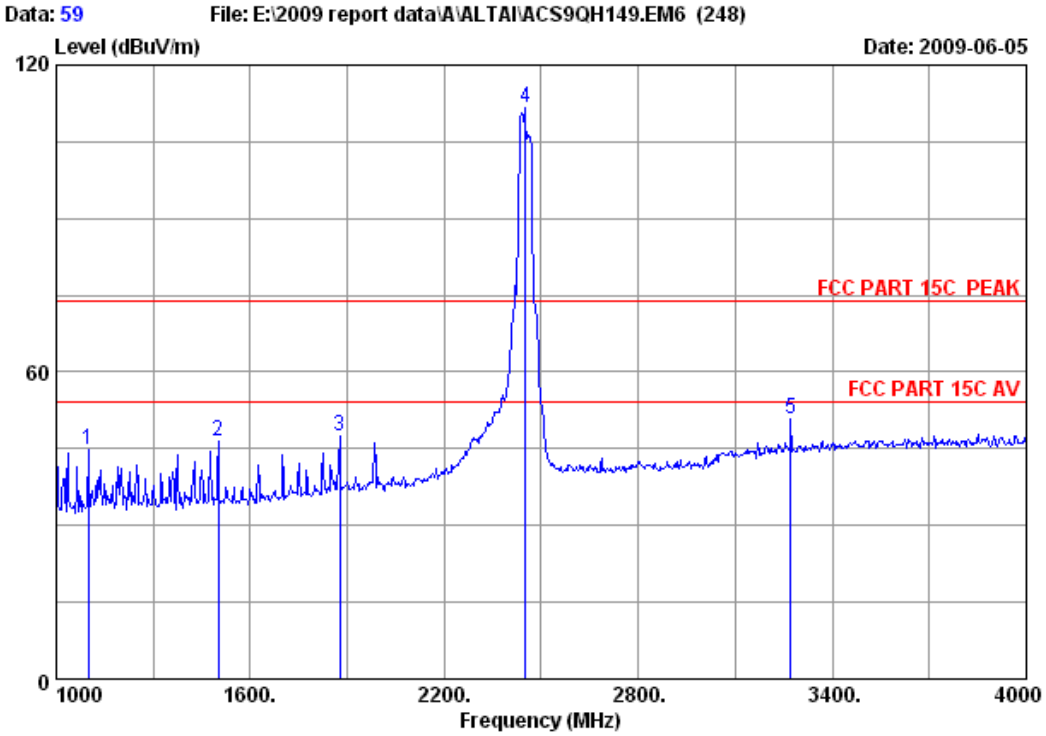

Site no. : 3m Chamber Data no. : 59
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1099.000	25.34	4.56	36.19	51.06	44.77	74.00	29.23	Peak
2	1501.000	25.90	5.32	35.74	50.82	46.30	74.00	27.70	Peak
3	1876.000	27.43	5.92	35.34	49.53	47.54	74.00	26.46	Peak
4	2452.000	28.53	6.84	35.11	111.22	111.48	74.00	-37.48	Peak
5	3271.000	30.97	8.28	34.95	46.53	50.83	74.00	23.17	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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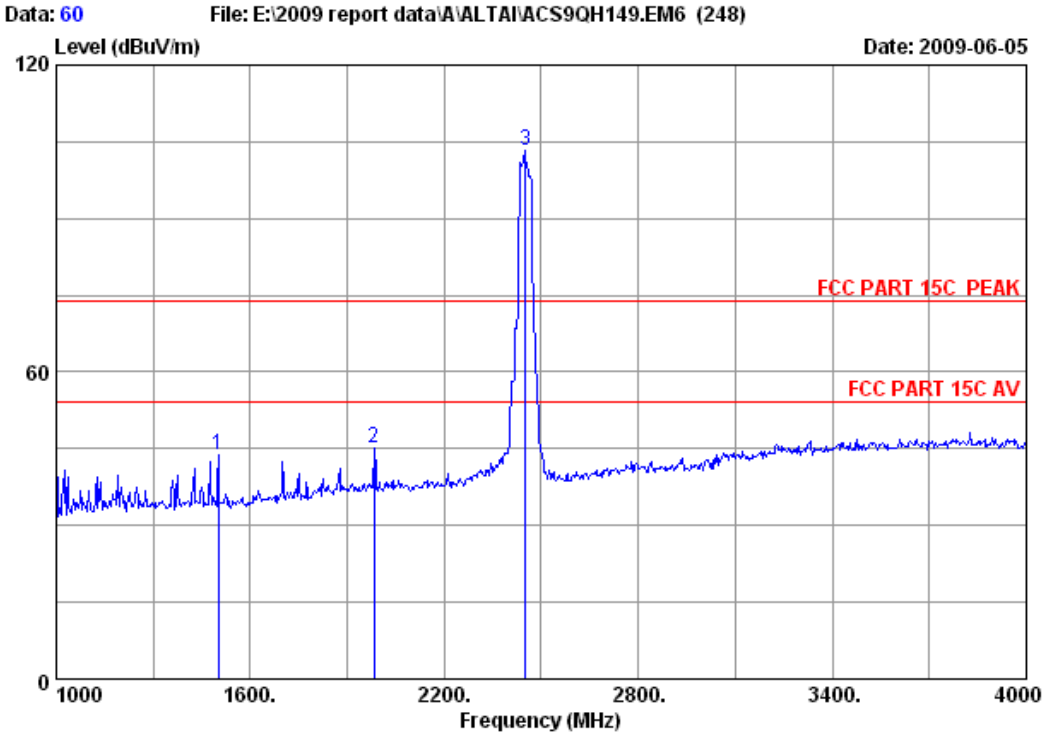

Site no. : 3m Chamber Data no. : 60
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1501.000	25.90	5.32	35.74	48.36	43.84	74.00	30.16	Peak
2	1984.000	27.83	6.16	35.20	46.41	45.20	74.00	28.80	Peak
3	2452.000	28.53	6.84	35.11	103.17	103.43	74.00	-29.43	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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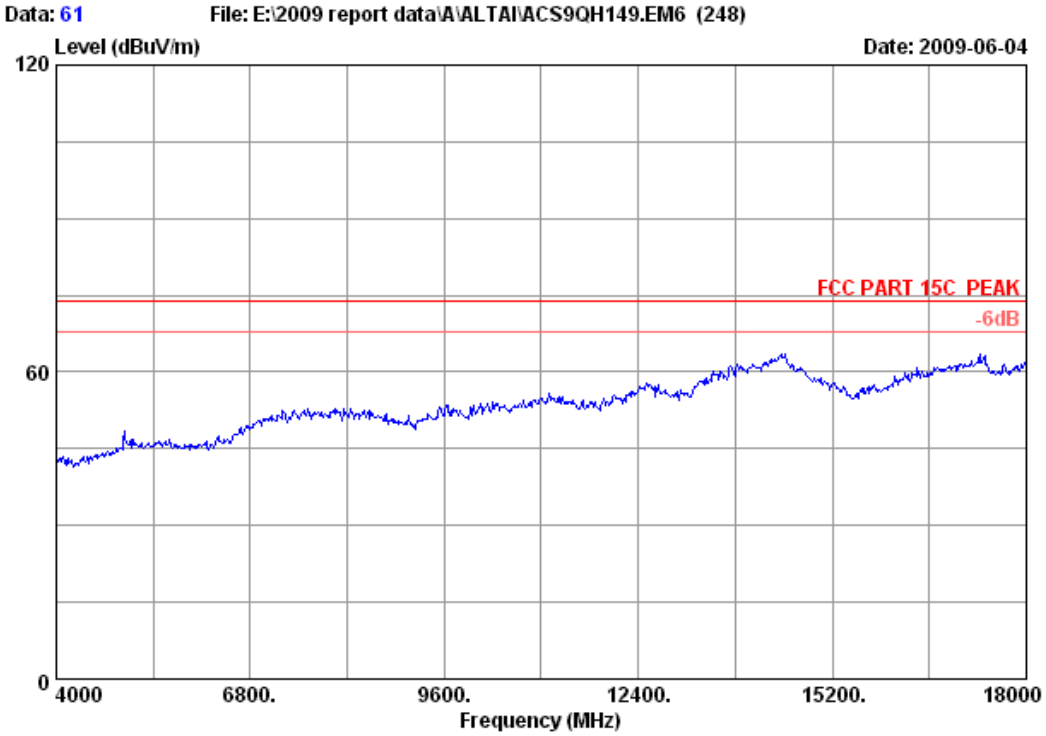


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Site no.      : 3m Chamber                Data no.   : 61
Dis. / Ant.   : 3m   3115                 Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   :Sunny-lu
EUT           : Altai A3 Smart WiFi  M/N:WA3011N
Power         : DC 56V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11n HT40  CH1 2422MHz
M/N           :
```

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ShenZhen Science & Industry Park
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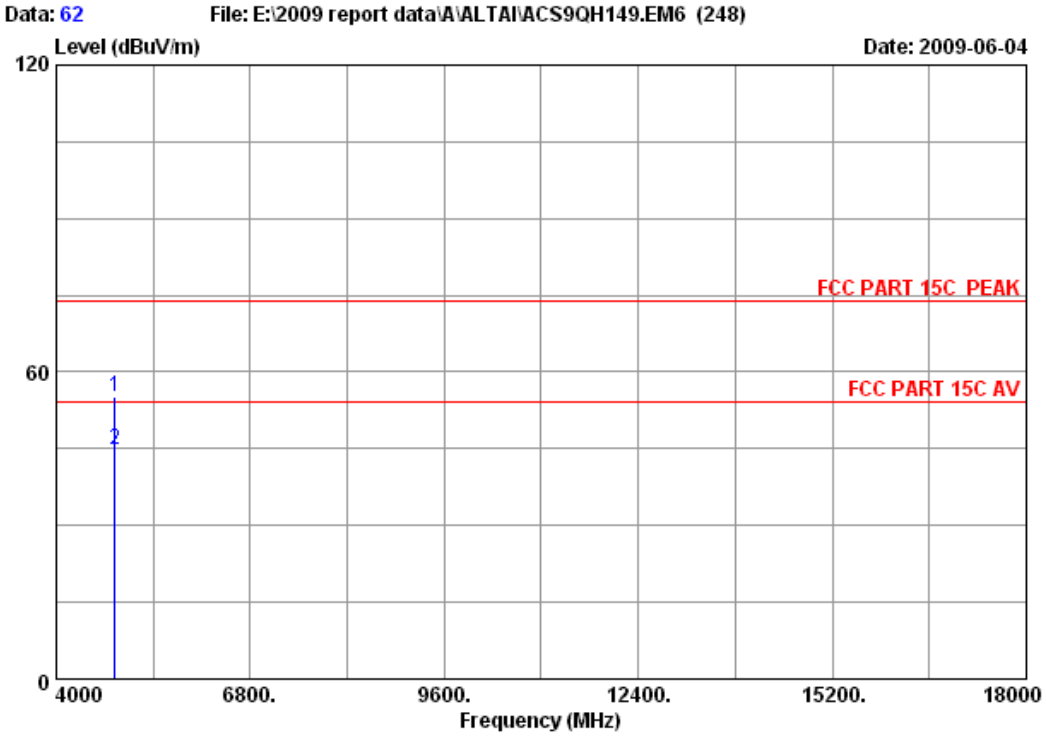

Site no. : 3m Chamber Data no. : 62
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.57	10.56	34.59	44.68	55.22	74.00	18.78	Peak
2	4844.000	34.57	10.56	34.59	34.10	44.64	54.00	9.36	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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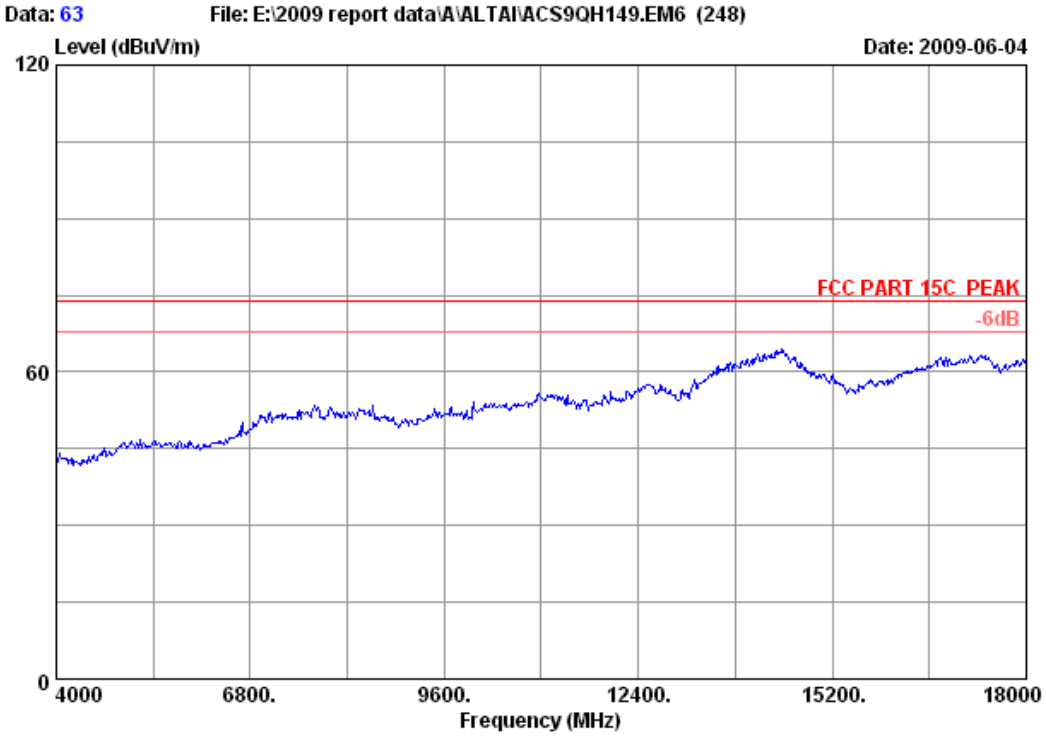

Site no. : 3m Chamber Data no. : 63
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz
M/N :

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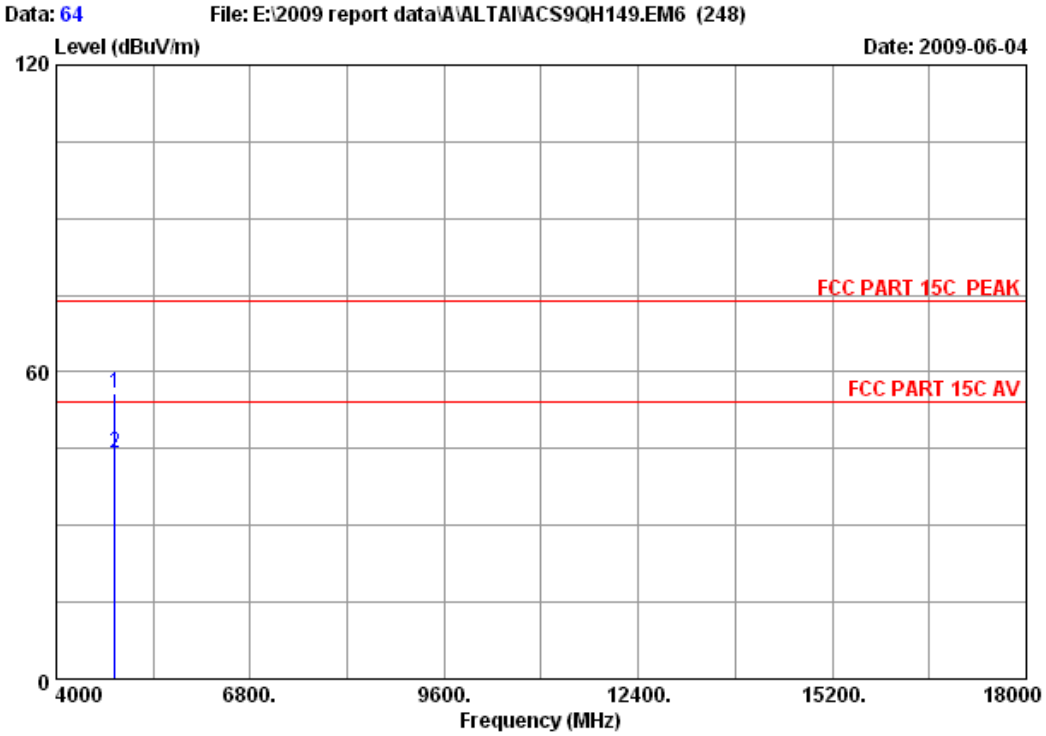

Site no. : 3m Chamber Data no. : 64
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH1 2422MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4844.000	34.57	10.56	34.59	45.27	55.81	74.00	18.19	Peak
2	4844.000	34.57	10.56	34.59	33.52	44.06	54.00	9.94	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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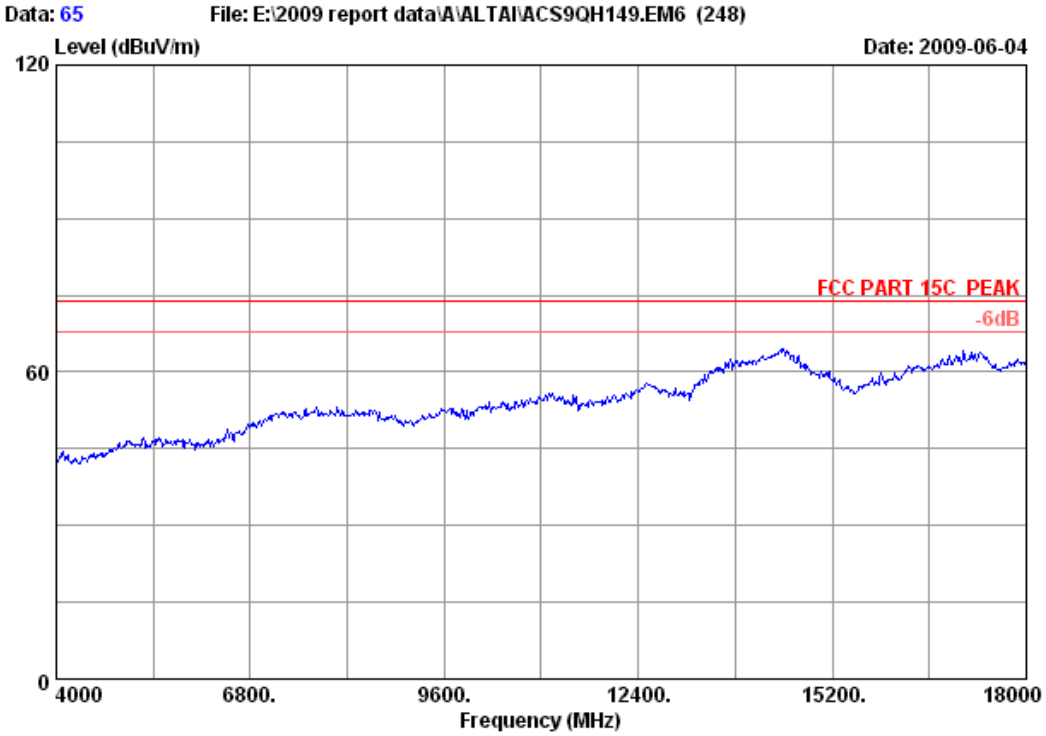

Site no.	: 3m Chamber	Data no.	: 65
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH4 2437MHz		
M/N	:		

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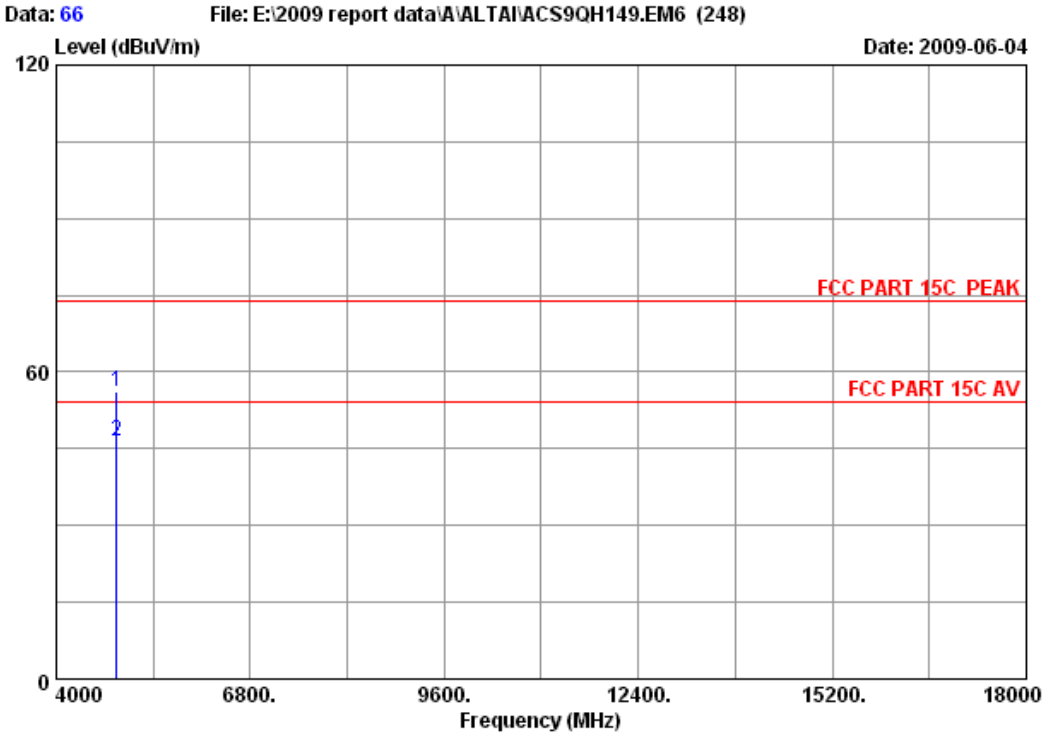

Site no. : 3m Chamber Data no. : 66
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH4 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.78	10.56	34.58	45.34	56.10	74.00	17.90	Peak
2	4874.000	34.78	10.56	34.58	35.58	46.34	54.00	7.66	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Tel:+86-755-26639495-7
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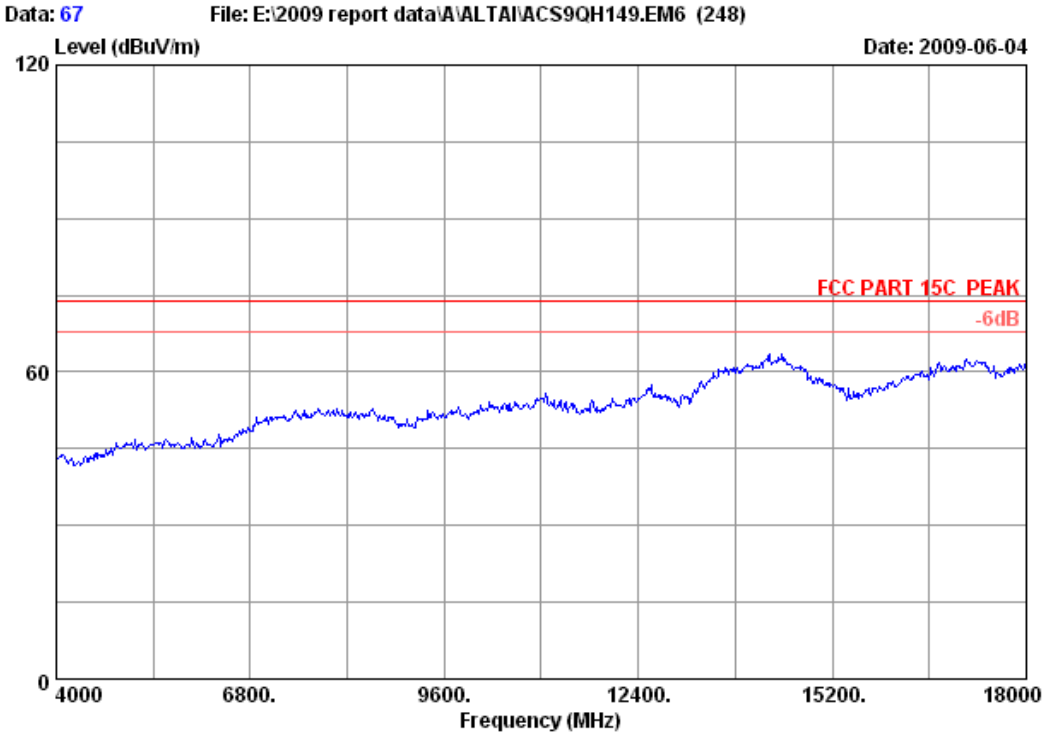
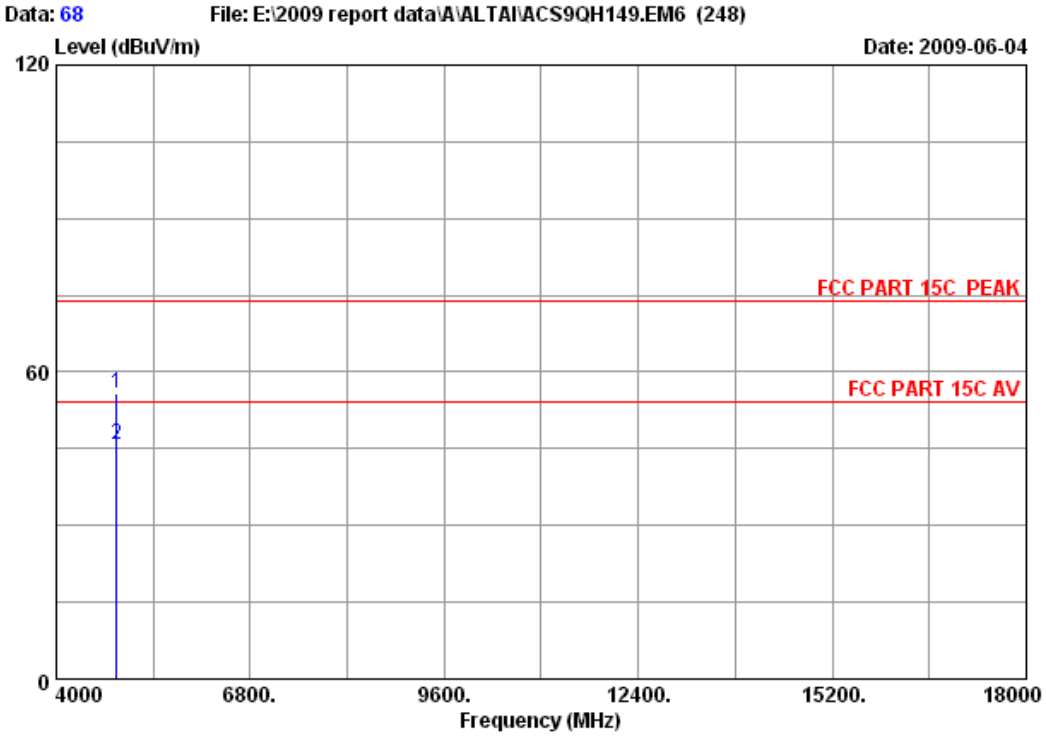


Site no.	: 3m Chamber	Data no.	: 67
Dis. / Ant.	: 3m 3115	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH4 2437MHz		
M/N	:		

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 68
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH4 2437MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4874.000	34.78	10.56	34.58	45.21	55.97	74.00	18.03	Peak
2	4874.000	34.78	10.56	34.58	35.03	45.79	54.00	8.21	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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Tel:+86-755-26639495-7
Fax:+86-755-26632877
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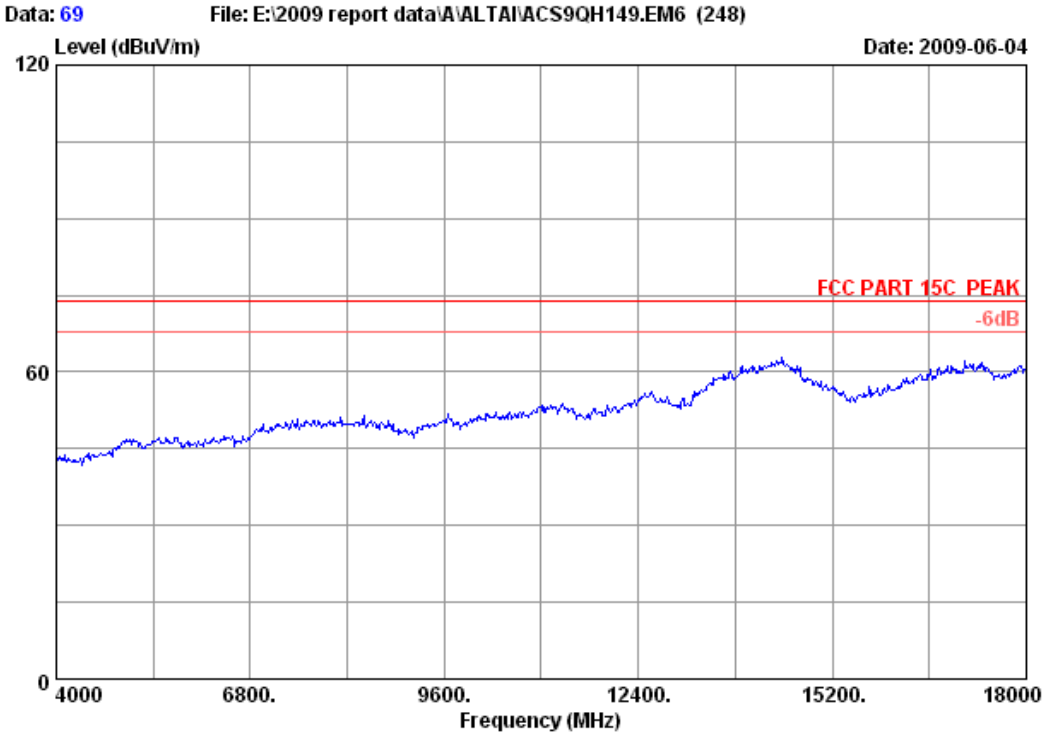

Site no. : 3m Chamber Data no. : 69
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz
M/N :

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ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
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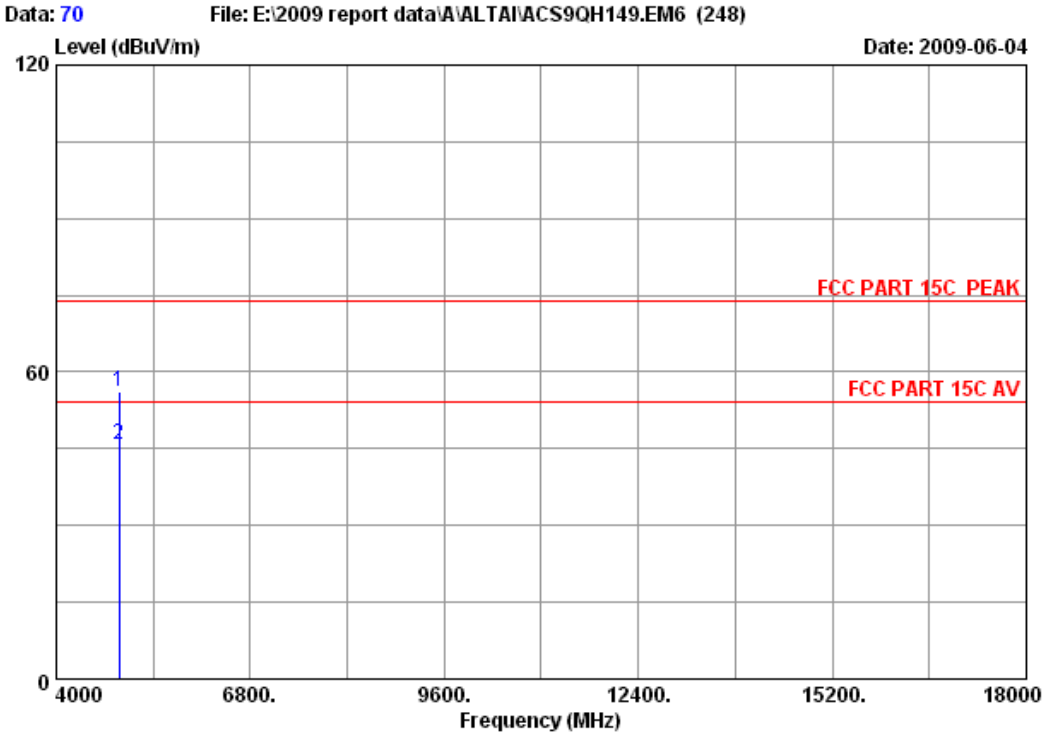

Site no. : 3m Chamber Data no. : 70
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	34.98	10.58	34.58	45.22	56.20	74.00	17.80	Peak
2	4904.000	34.98	10.58	34.58	34.90	45.88	54.00	8.12	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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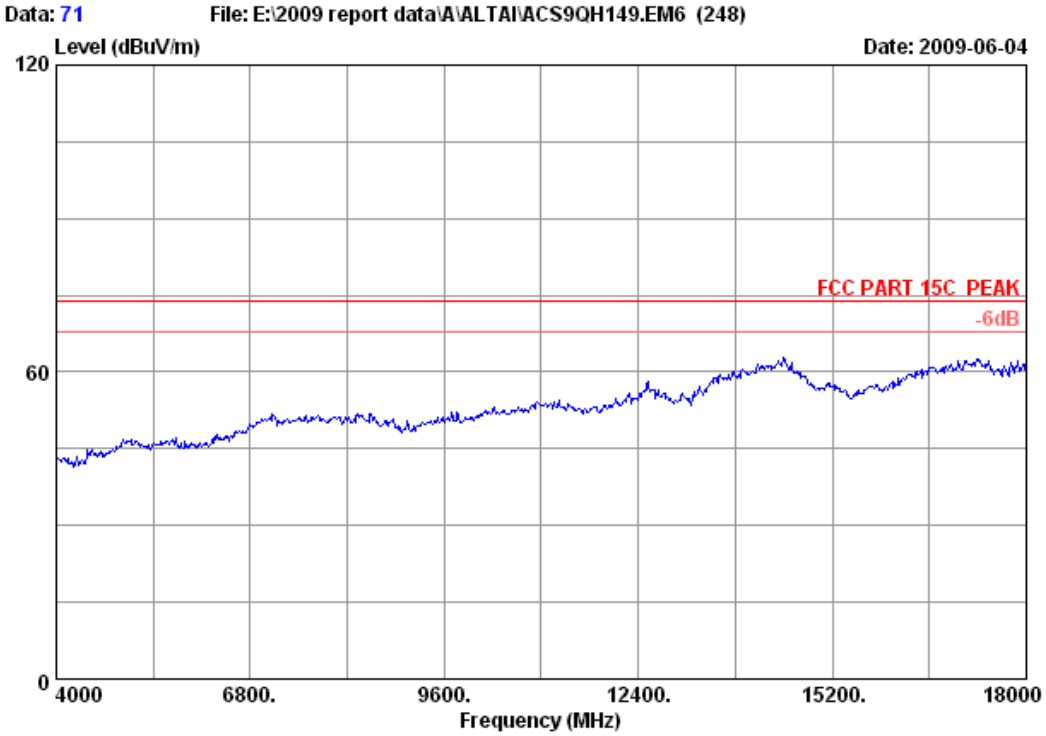

Site no.	: 3m Chamber	Data no.	: 71
Dis. / Ant.	: 3m 3115	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 23*C/54%	Engineer	:Sunny-lu
EUT	: Altai A3 Smart WiFi M/N:WA3011N		
Power	: DC 56V From Adapter input AC 120V/60Hz		
Test mode	: IEEE802.11n HT40 CH7 2452MHz		
M/N	:		

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Fax:+86-755-26632877
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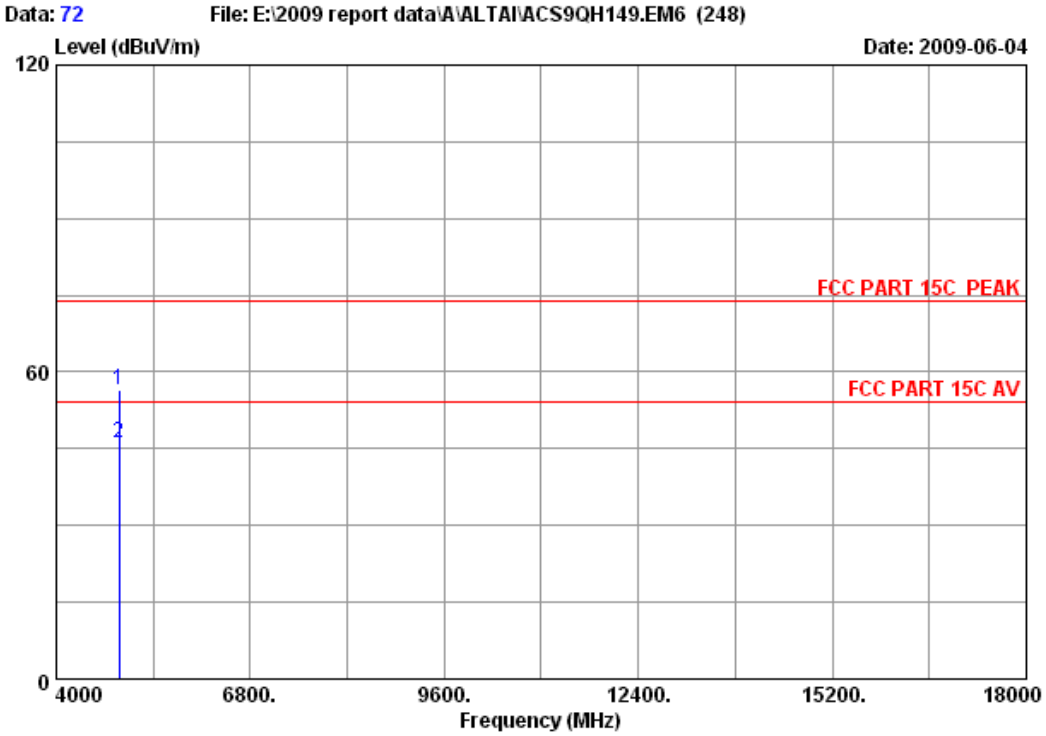

Site no. : 3m Chamber Data no. : 72
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH7 2452MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4904.000	34.98	10.58	34.58	45.39	56.37	74.00	17.63	Peak
2	4904.000	34.98	10.58	34.58	35.05	46.03	54.00	7.97	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: Above 1GHz IEEE 802.11a mode

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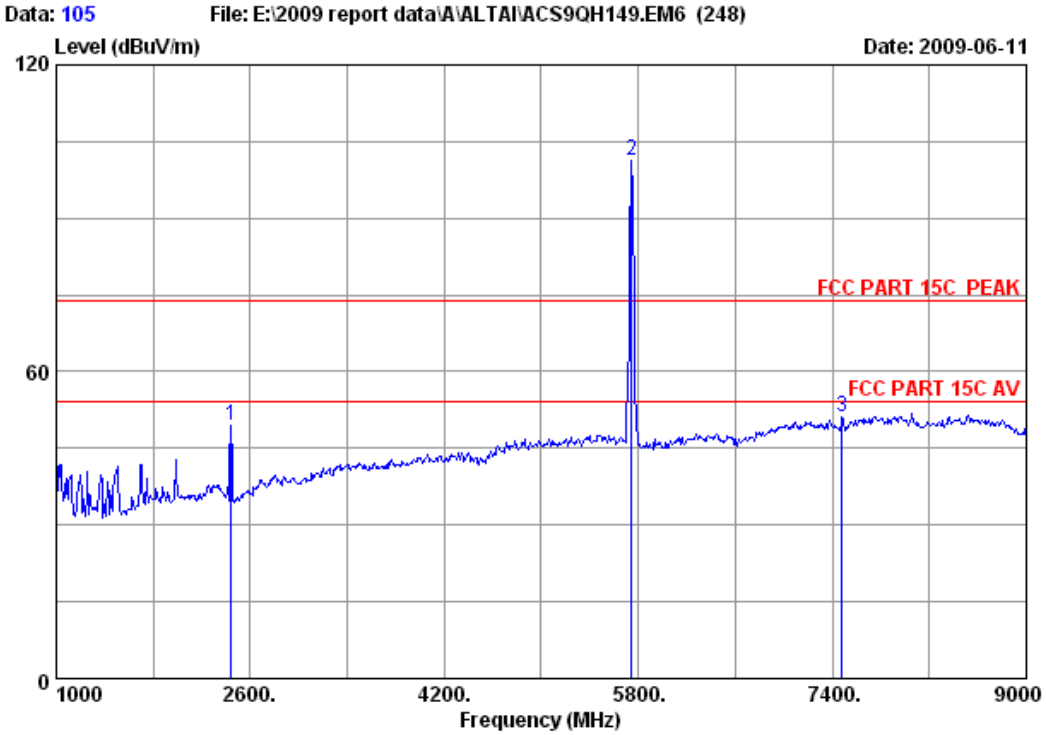
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 105
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH149 5745MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2440.000	28.53	6.80	35.11	49.30	49.52	74.00	24.48	Peak
2	5745.000	35.42	10.96	34.36	89.41	101.43	74.00	-27.43	Peak
3	7480.000	38.96	12.31	34.52	34.37	51.12	74.00	22.88	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
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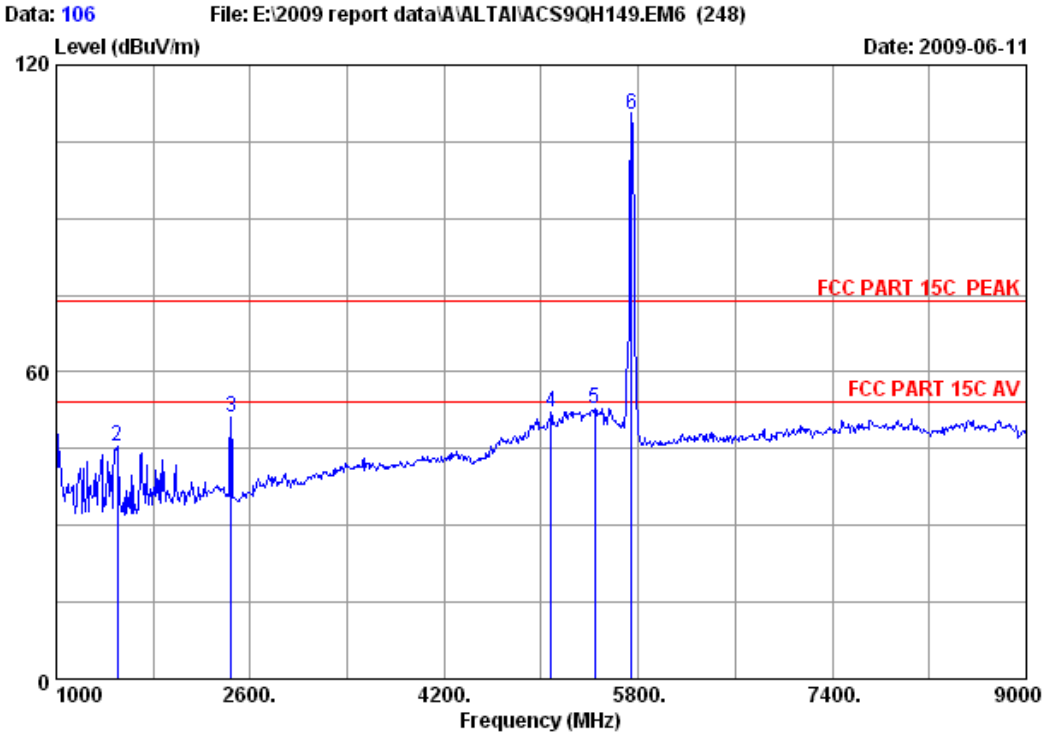

Site no. : 3m Chamber Data no. : 106
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH149 5745MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1000.000	25.20	4.35	36.30	56.73	49.98	74.00	24.02	Peak
2	1504.000	25.97	5.32	35.74	49.77	45.32	74.00	28.68	Peak
3	2440.000	28.53	6.80	35.11	50.89	51.11	74.00	22.89	Peak
4	5080.000	35.57	10.51	34.53	40.54	52.09	74.00	21.91	Peak
5	5440.000	35.85	10.68	34.44	40.83	52.92	74.00	21.08	Peak
6	5745.000	35.42	10.96	34.36	98.32	110.34	74.00	-36.34	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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Fax:+86-755-26632877
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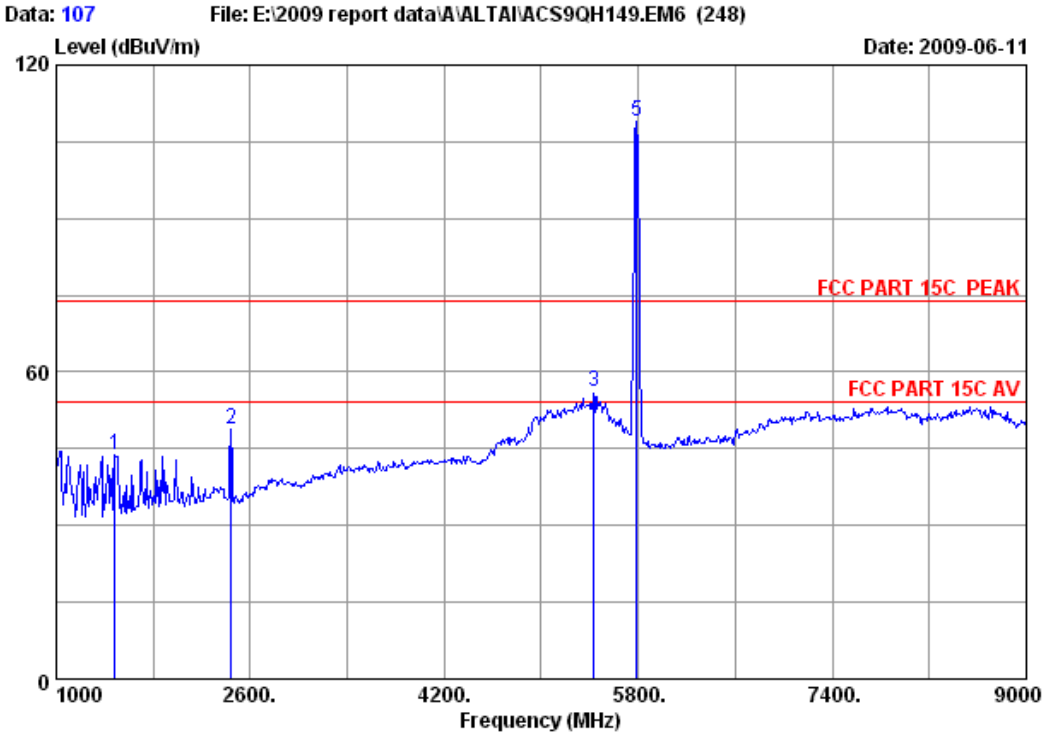

Site no. : 3m Chamber Data no. : 107
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH157 5785MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1480.000	25.88	5.25	35.76	48.31	43.68	74.00	30.32	Peak
2	2440.000	28.53	6.80	35.11	48.69	48.91	74.00	25.09	Peak
3	5430.700	35.85	10.67	34.44	44.20	56.28	74.00	17.72	Peak
4	5430.700	35.85	10.67	34.44	38.74	50.82	54.00	3.18	Average
5	5785.000	35.35	10.93	34.35	97.09	109.02	74.00	-35.02	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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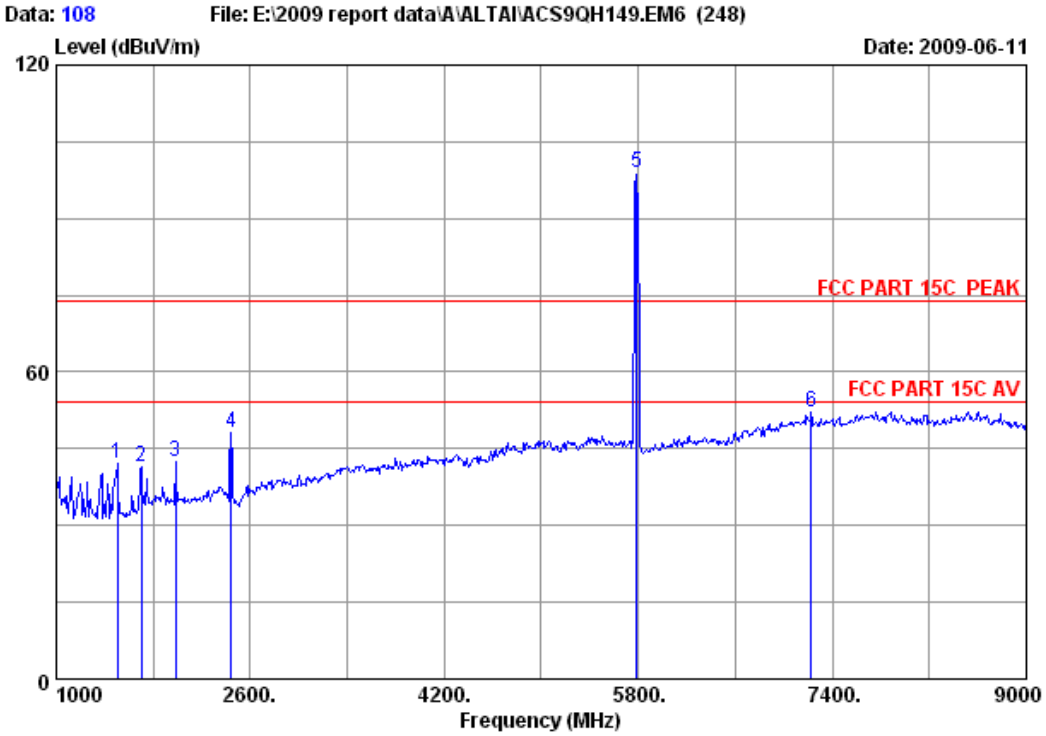
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 108
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH157 5785MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1504.000	25.97	5.32	35.74	46.42	41.97	74.00	32.03	Peak
2	1704.000	26.70	5.64	35.51	44.52	41.35	74.00	32.65	Peak
3	1984.000	27.83	6.16	35.20	43.57	42.36	74.00	31.64	Peak
4	2440.000	28.53	6.80	35.11	48.00	48.22	74.00	25.78	Peak
5	5784.000	35.35	10.93	34.35	86.86	98.79	74.00	-24.79	Peak
6	7224.000	38.39	12.16	34.48	35.96	52.03	74.00	21.97	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

No.6 Ke Feng Road,Block 52,
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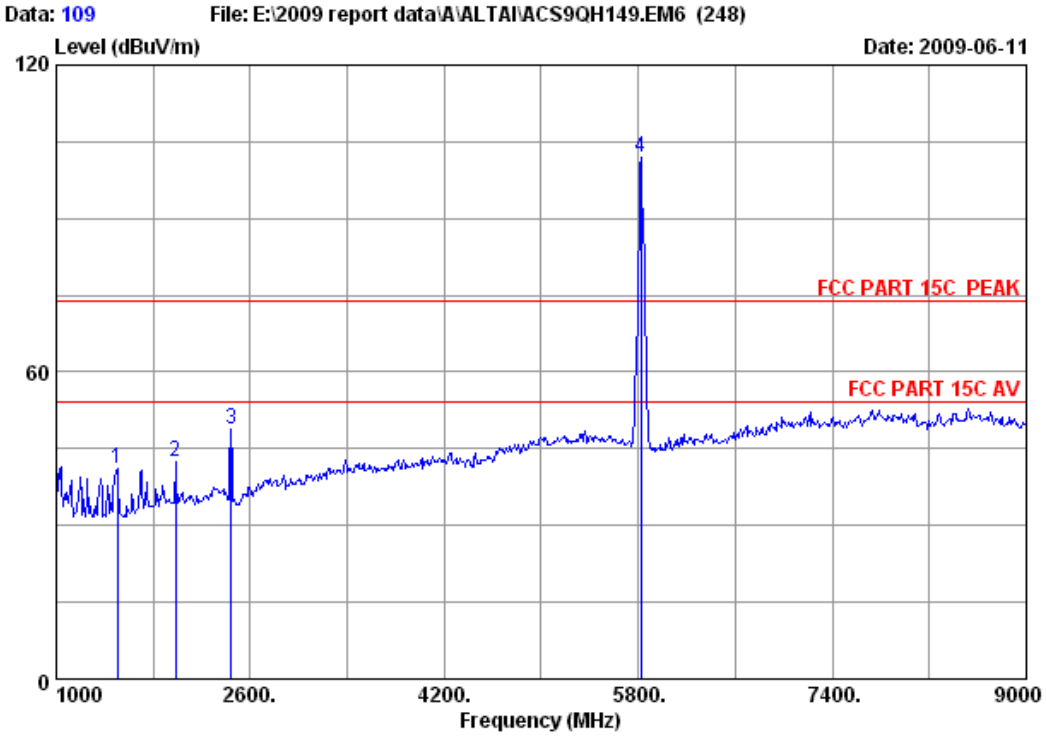

Site no. : 3m Chamber Data no. : 109
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1504.000	25.97	5.32	35.74	45.61	41.16	74.00	32.84	Peak
2	1984.000	27.83	6.16	35.20	43.70	42.49	74.00	31.51	Peak
3	2440.000	28.53	6.80	35.11	48.49	48.71	74.00	25.29	Peak
4	5825.000	35.24	10.93	34.34	90.23	102.06	74.00	-28.06	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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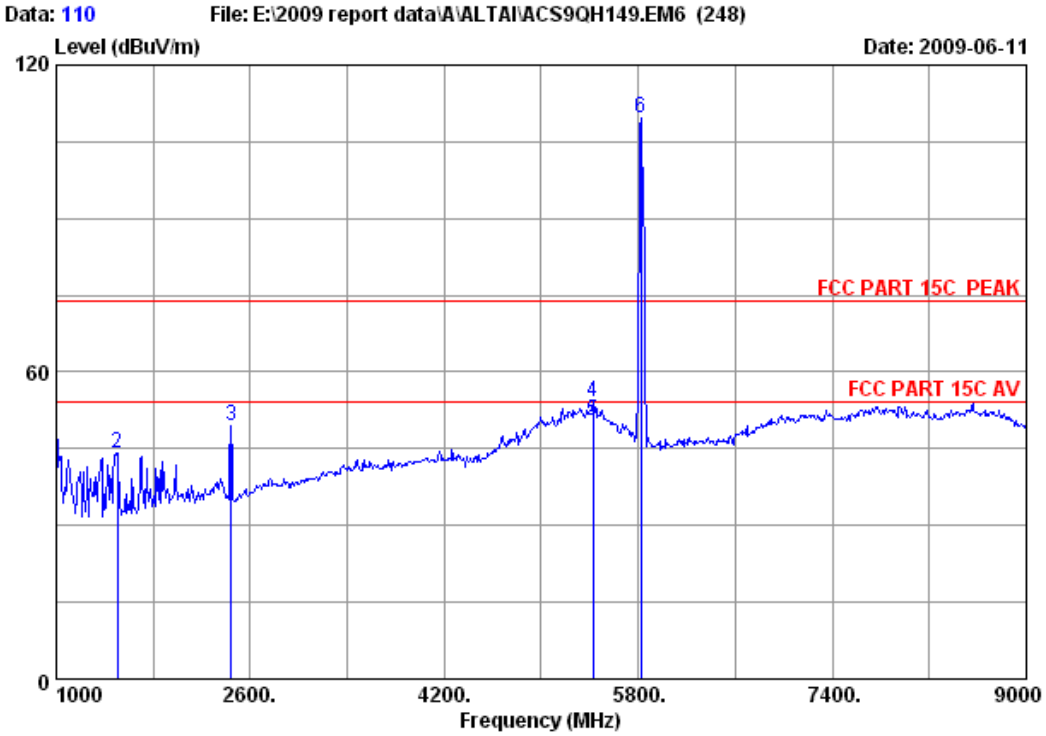

Site no. : 3m Chamber Data no. : 110
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1000.000	25.20	4.35	36.30	55.88	49.13	74.00	24.87	Peak
2	1504.000	25.97	5.32	35.74	48.69	44.24	74.00	29.76	Peak
3	2440.000	28.53	6.80	35.11	49.17	49.39	74.00	24.61	Peak
4	5424.000	35.83	10.67	34.45	41.96	54.01	74.00	19.99	Peak
5	5424.000	35.83	10.67	34.45	38.27	50.32	54.00	3.68	Average
6	5825.000	35.24	10.93	34.34	97.68	109.51	74.00	-35.51	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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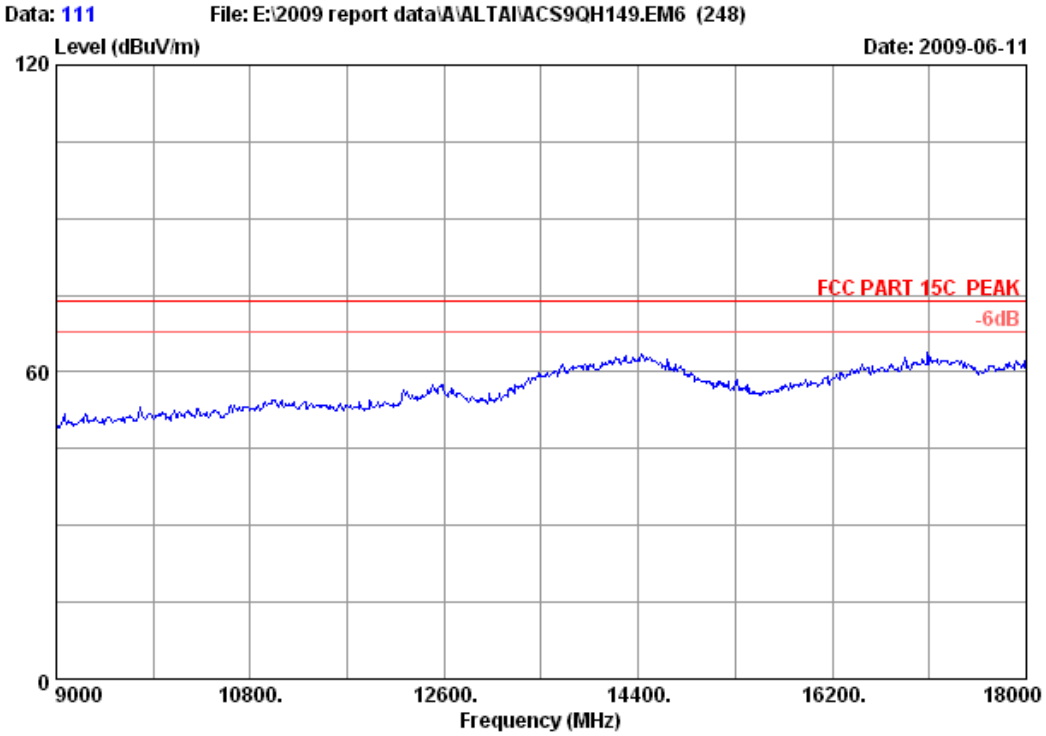


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Site no.      : 3m Chamber                Data no.   : 111
Dis. / Ant.   : 3m   3115                 Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   :Sunny-lu
EUT           : Altai A3 Smart WiFi  M/N:WA3011N
Power         : DC 56V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11a  CH149 5745MHz
M/N           :
```

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ShenZhen Science & Industry Park
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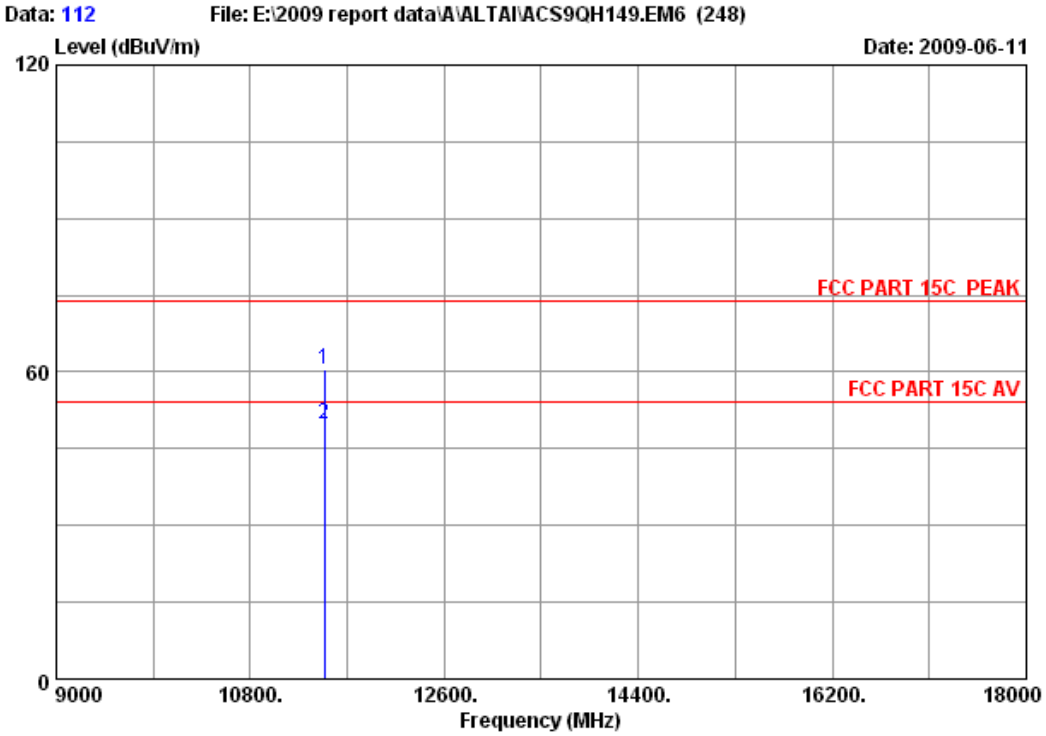

Site no. : 3m Chamber Data no. : 112
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH149 5745MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.000	37.56	15.89	34.51	41.44	60.38	74.00	13.62	Peak
2	11490.000	37.56	15.89	34.51	30.78	49.72	54.00	4.28	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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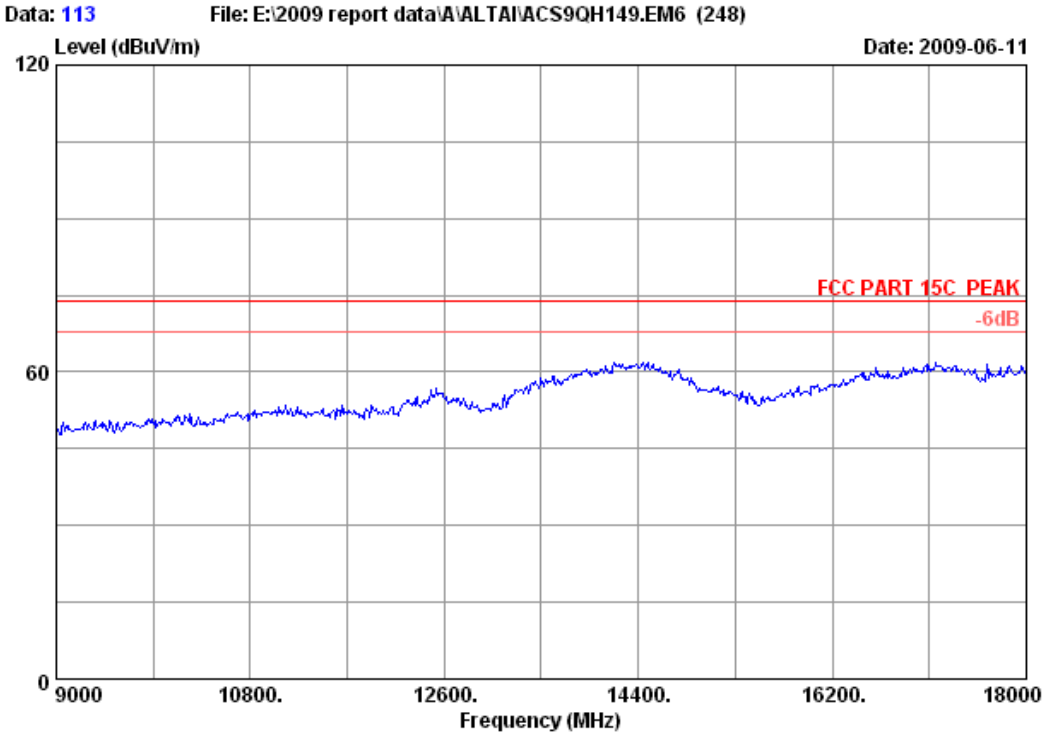


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Site no.      : 3m Chamber                Data no.   : 113
Dis. / Ant.   : 3m   3115                 Ant. pol.  : HORIZONTAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   :Sunny-lu
EUT           : Altai A3 Smart WiFi  M/N:WA3011N
Power         : DC 56V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11a  CH149 5745MHz
M/N           :
```

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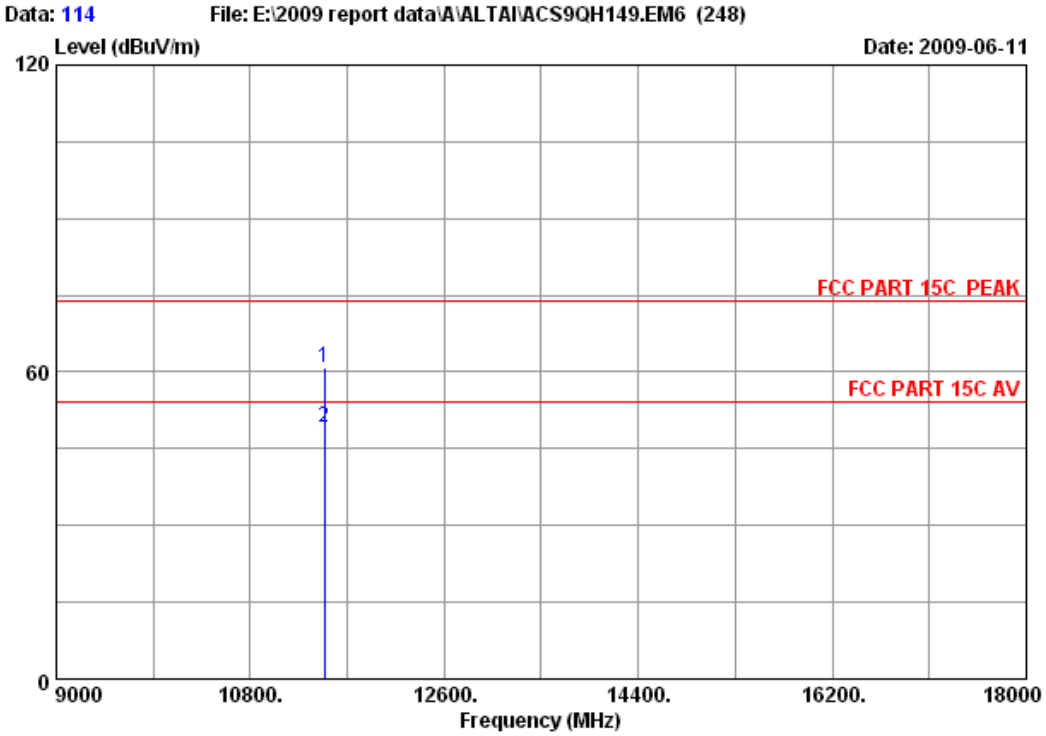

Site no. : 3m Chamber Data no. : 114
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH149 5745MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.000	37.56	15.89	34.51	41.96	60.90	74.00	13.10	Peak
2	11490.000	37.56	15.89	34.51	30.28	49.22	54.00	4.78	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
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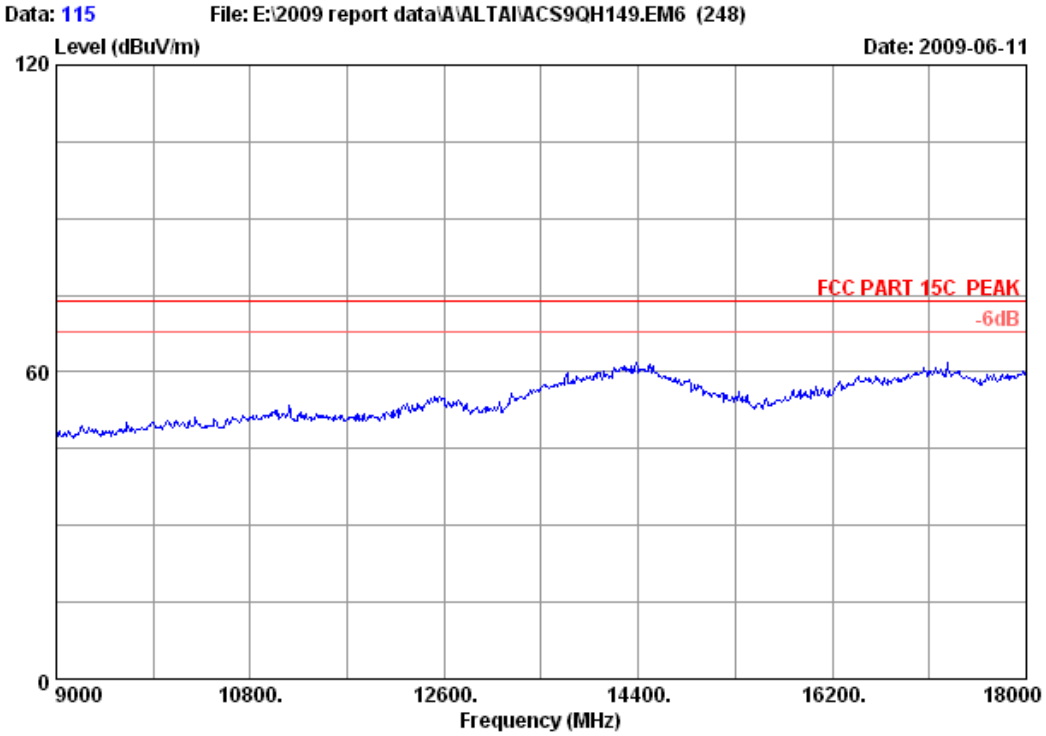
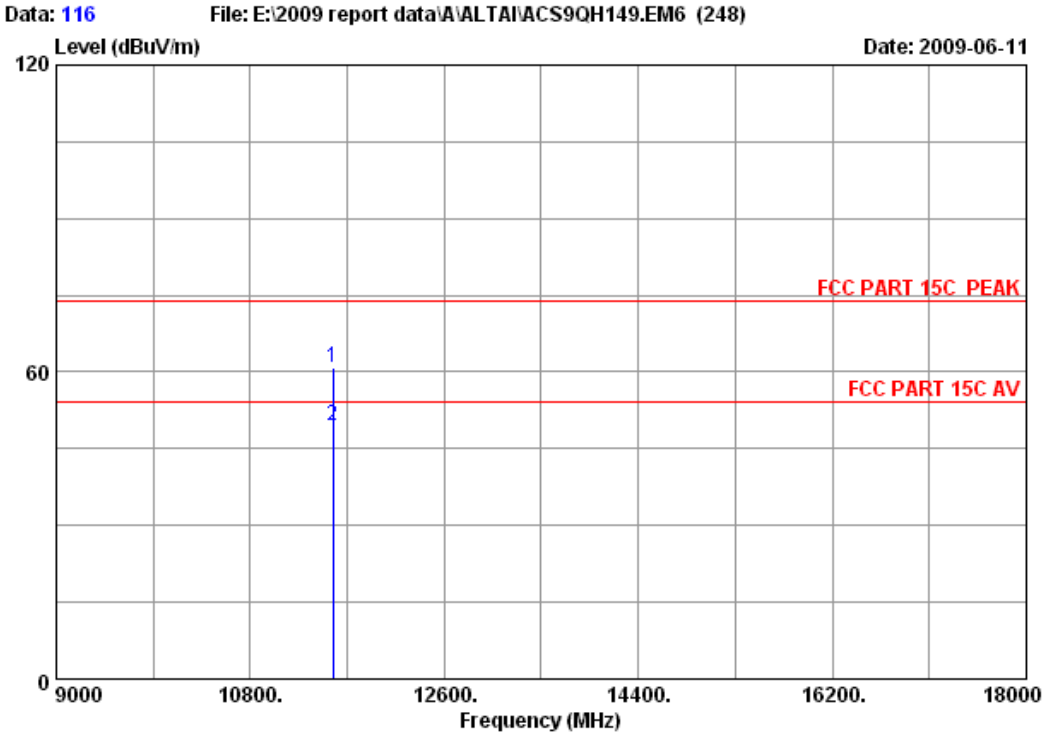


Site no. : 3m Chamber Data no. : 115
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH157 5785MHz
M/N :

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 116
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH157 5785MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.000	37.44	15.93	34.46	42.01	60.92	74.00	13.08	Peak
2	11570.000	37.44	15.93	34.46	30.41	49.32	54.00	4.68	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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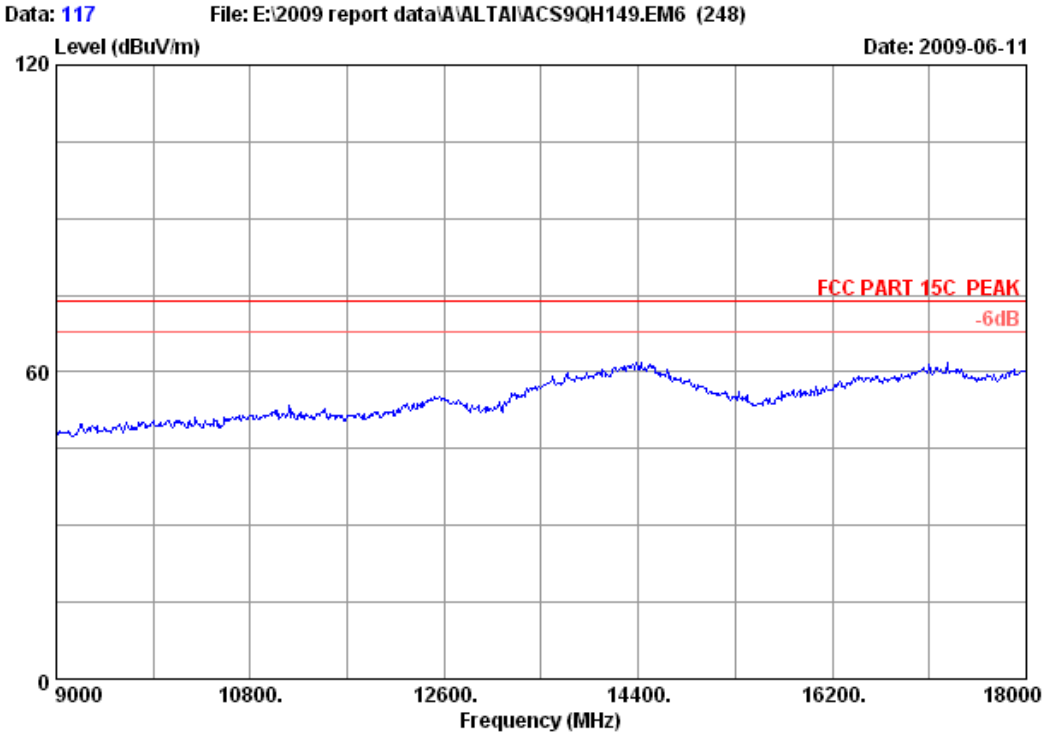
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057




```
Site no.      : 3m Chamber                Data no.   : 117
Dis. / Ant.   : 3m   3115                 Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   :Sunny-lu
EUT           : Altai A3 Smart WiFi  M/N:WA3011N
Power         : DC 56V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11a  CH157 5785MHz
M/N           :
```

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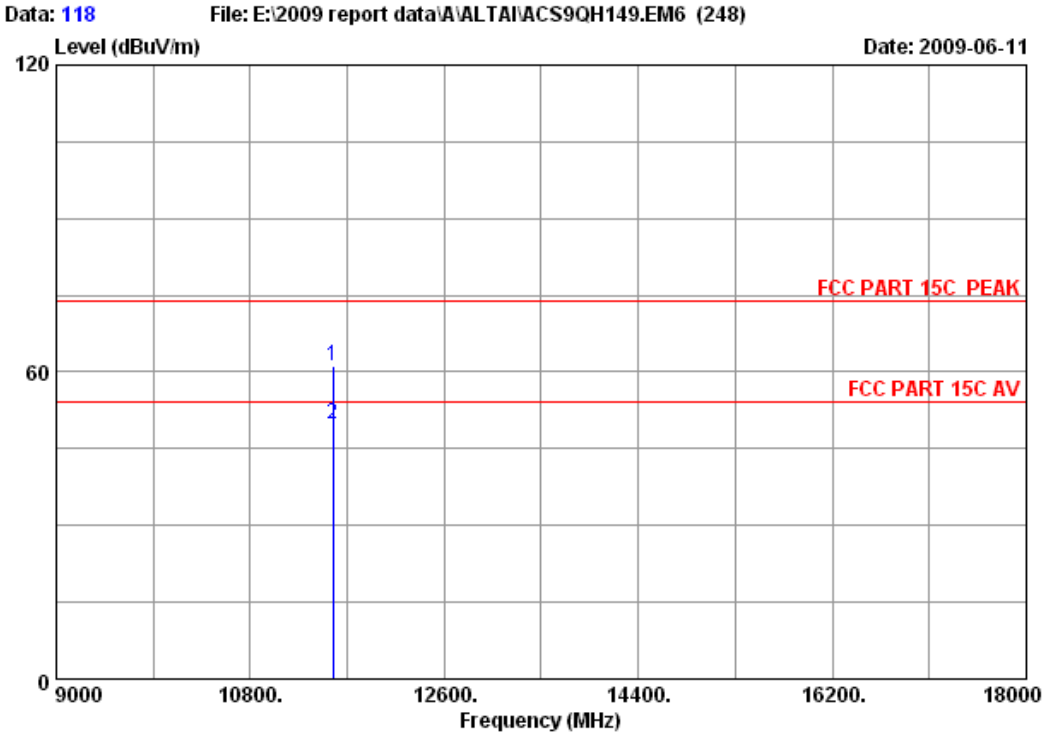
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 118
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH157 5785MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.000	37.44	15.93	34.46	42.39	61.30	74.00	12.70	Peak
2	11570.000	37.44	15.93	34.46	30.85	49.76	54.00	4.24	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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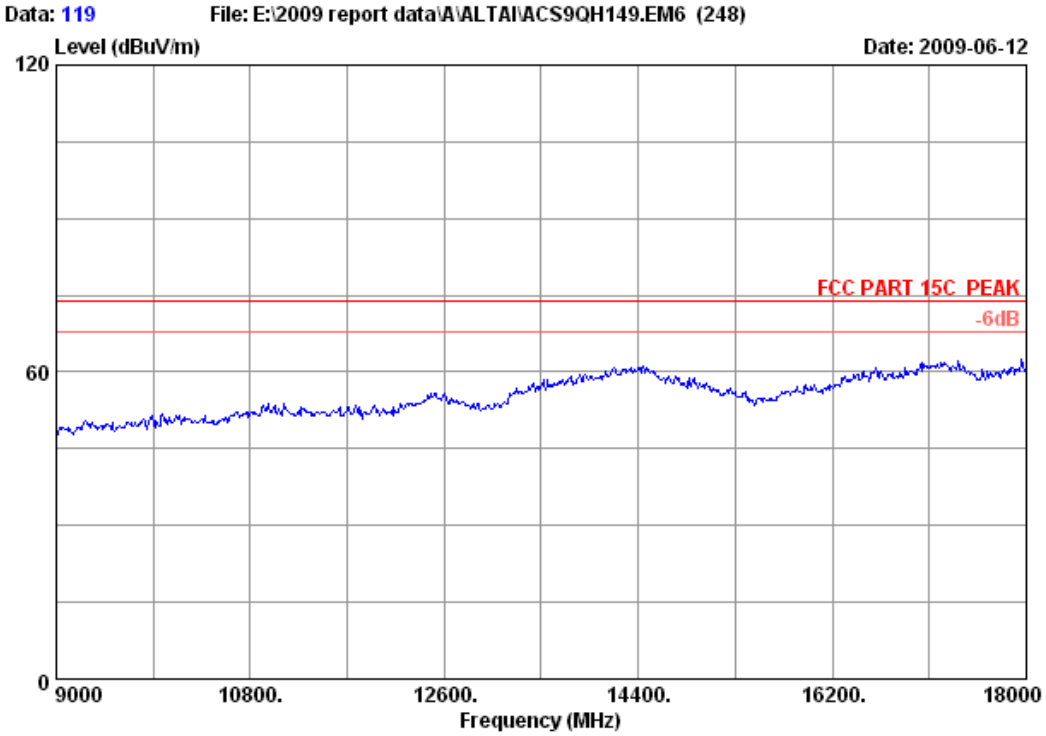
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 119
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz
M/N :

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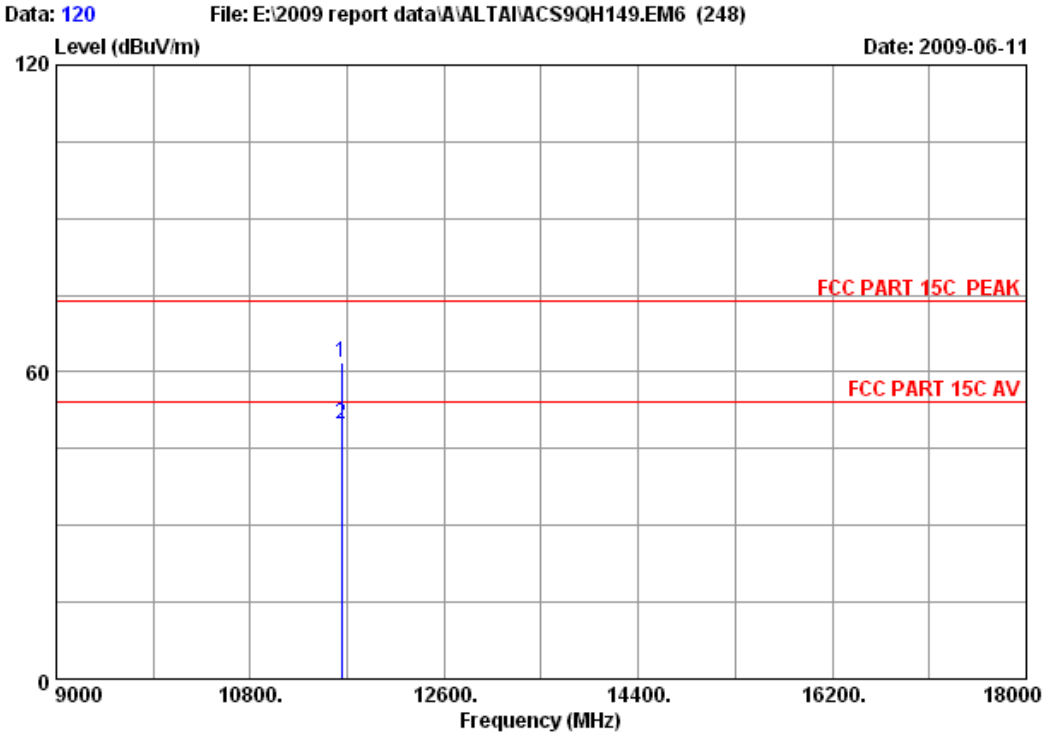
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 120
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.000	37.39	15.94	34.43	42.89	61.79	74.00	12.21	Peak
2	11650.000	37.39	15.94	34.43	30.98	49.88	54.00	4.12	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Noutou,ShenZhen,GuangDong,China
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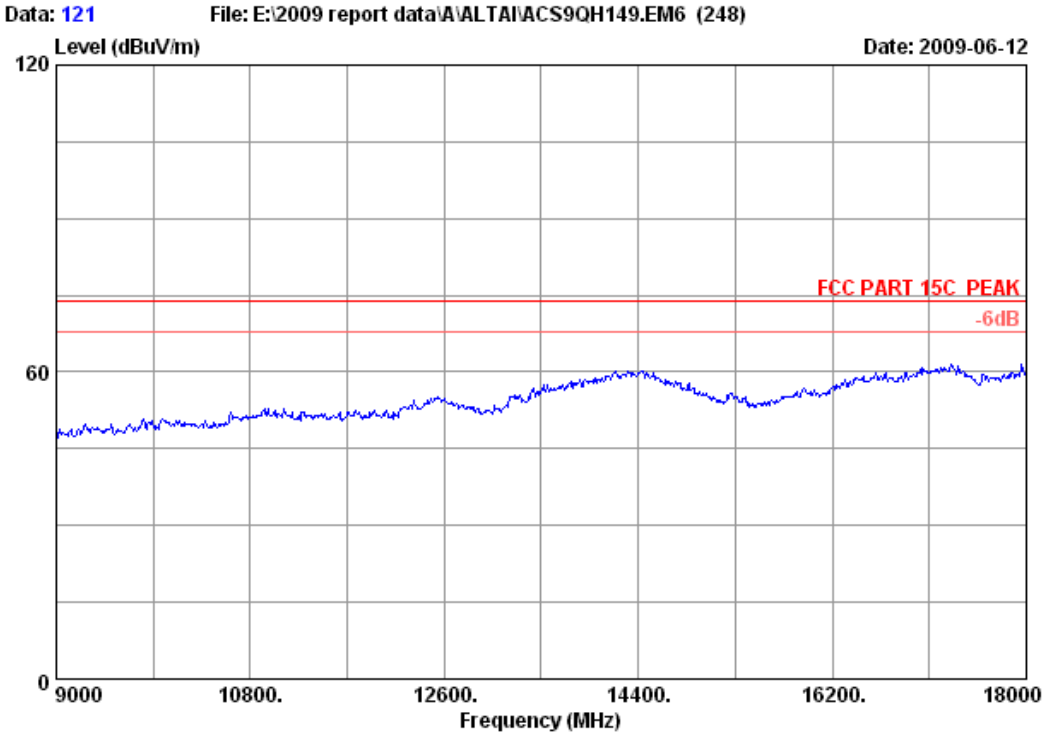
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 121
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz
M/N :

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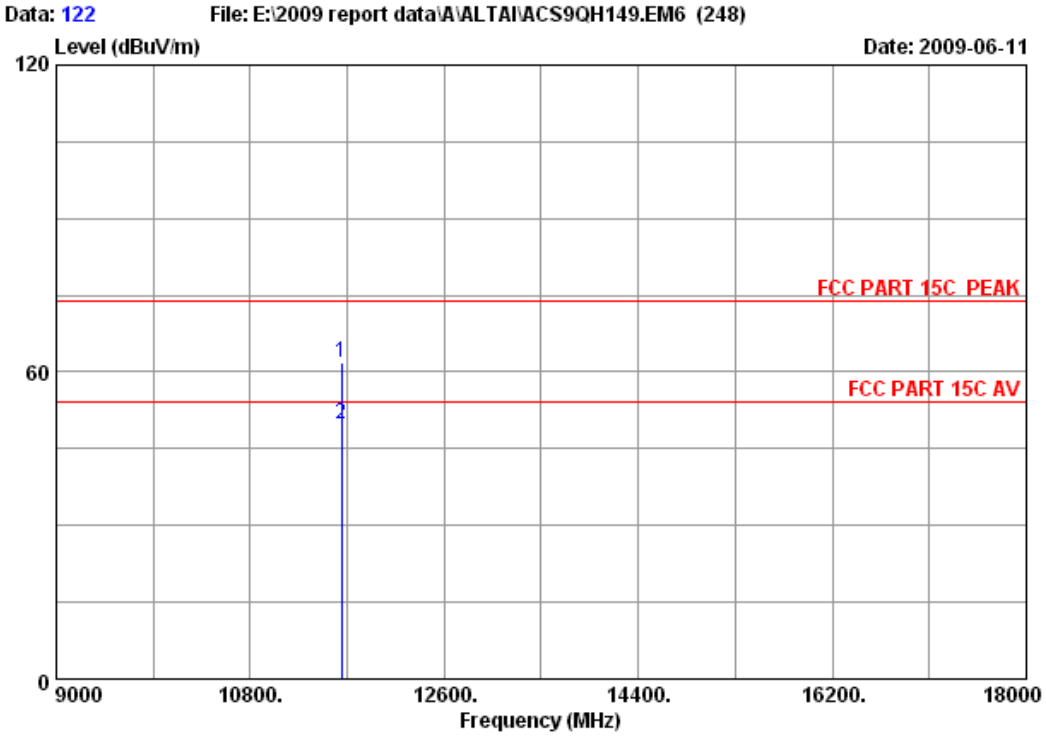
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 122
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11a CH165 5825MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.000	37.39	15.94	34.43	43.01	61.91	74.00	12.09	Peak
2	11650.000	37.39	15.94	34.43	31.05	49.95	54.00	4.05	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: Above 1GHz IEEE 802.11n HT20 5G mode

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ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
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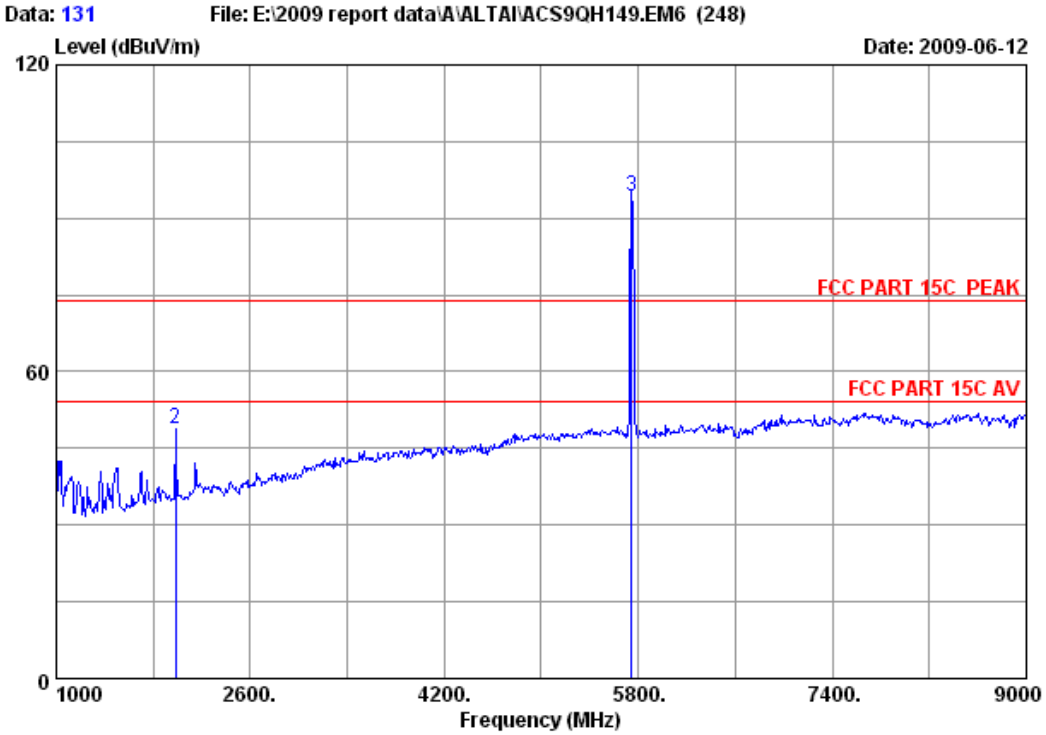

Site no. : 3m Chamber Data no. : 131
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1000.000	25.20	4.35	36.30	51.62	44.87	74.00	29.13	Peak
2	1984.000	27.83	6.16	35.20	49.86	48.65	74.00	25.35	Peak
3	5745.000	35.42	10.96	34.36	82.35	94.37	74.00	-20.37	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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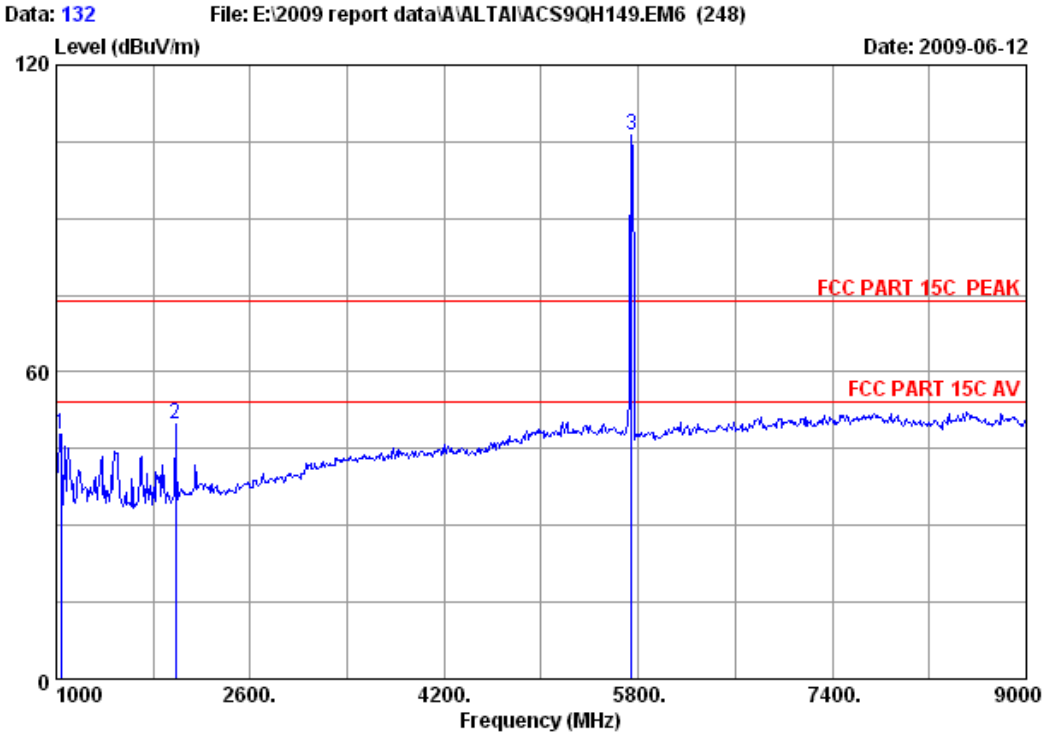
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 132
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1040.000	25.25	4.43	36.24	54.31	47.75	74.00	26.25	Peak
2	1984.000	27.83	6.16	35.20	50.87	49.66	74.00	24.34	Peak
3	5745.000	35.42	10.96	34.36	94.21	106.23	74.00	-32.23	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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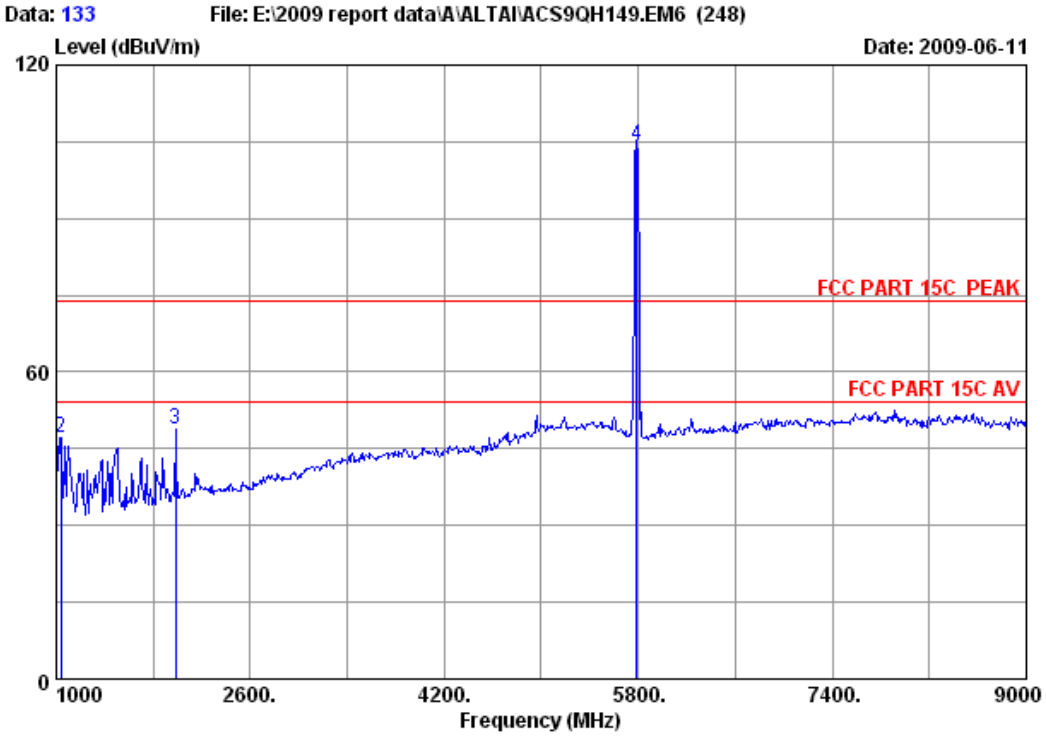
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 133
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH157 5785MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1000.000	25.20	4.35	36.30	53.97	47.22	74.00	26.78	Peak
2	1040.000	25.25	4.43	36.24	53.60	47.04	74.00	26.96	Peak
3	1984.000	27.83	6.16	35.20	49.98	48.77	74.00	25.23	Peak
4	5785.000	35.35	10.93	34.35	92.44	104.37	74.00	-30.37	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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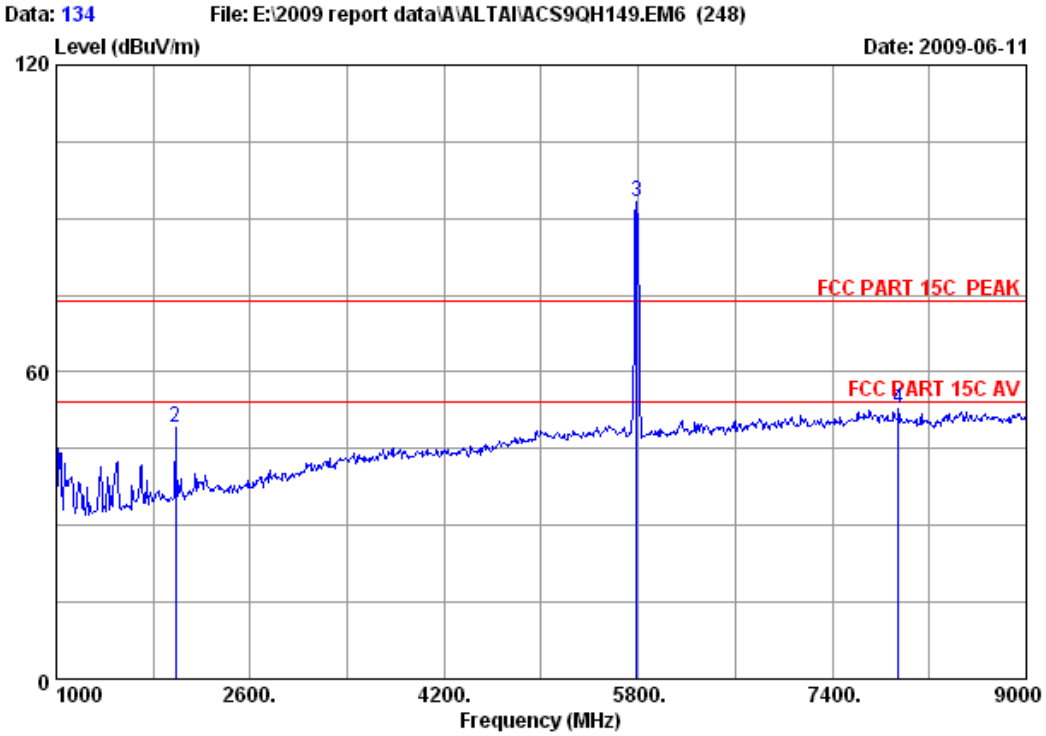
Postcode:518057



Site no. : 3m Chamber Data no. : 134
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH157 5785MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1000.000	25.20	4.35	36.30	54.94	48.19	74.00	25.81	Peak
2	1984.000	27.83	6.16	35.20	50.31	49.10	74.00	24.90	Peak
3	5785.000	35.35	10.93	34.35	81.41	93.34	74.00	-19.34	Peak
4	7944.000	38.74	12.73	34.59	35.84	52.72	74.00	21.28	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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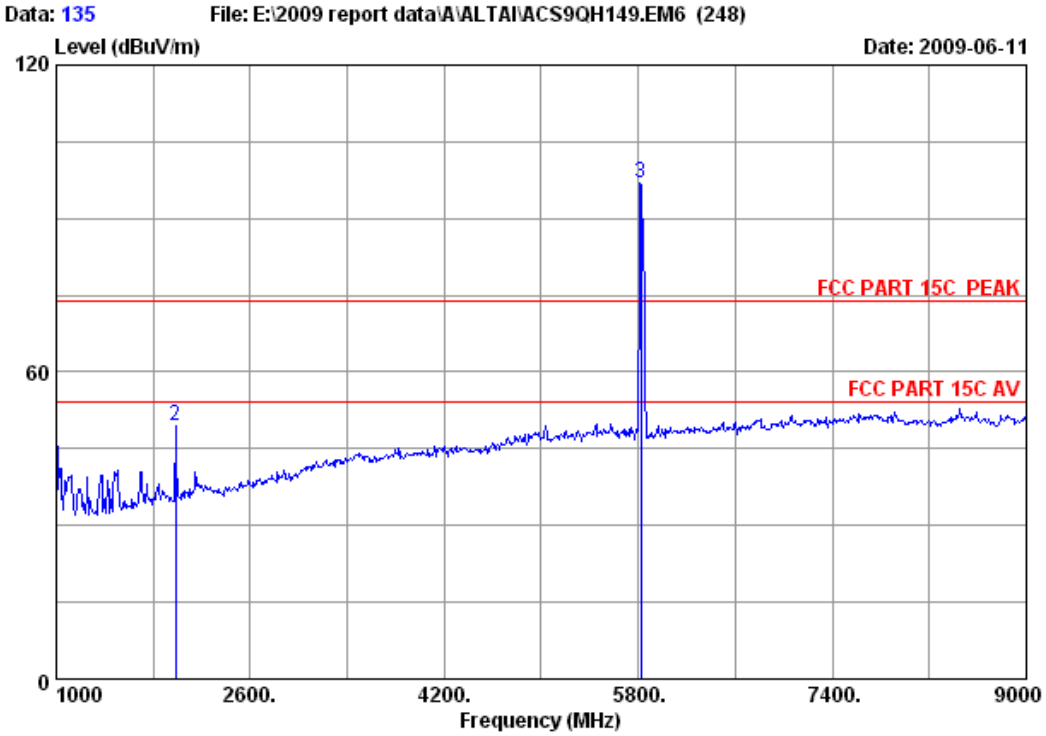

Site no. : 3m Chamber Data no. : 135
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1000.000	25.20	4.35	36.30	55.48	48.73	74.00	25.27	Peak
2	1984.000	27.83	6.16	35.20	50.82	49.61	74.00	24.39	Peak
3	5825.000	35.24	10.93	34.34	85.06	96.89	74.00	-22.89	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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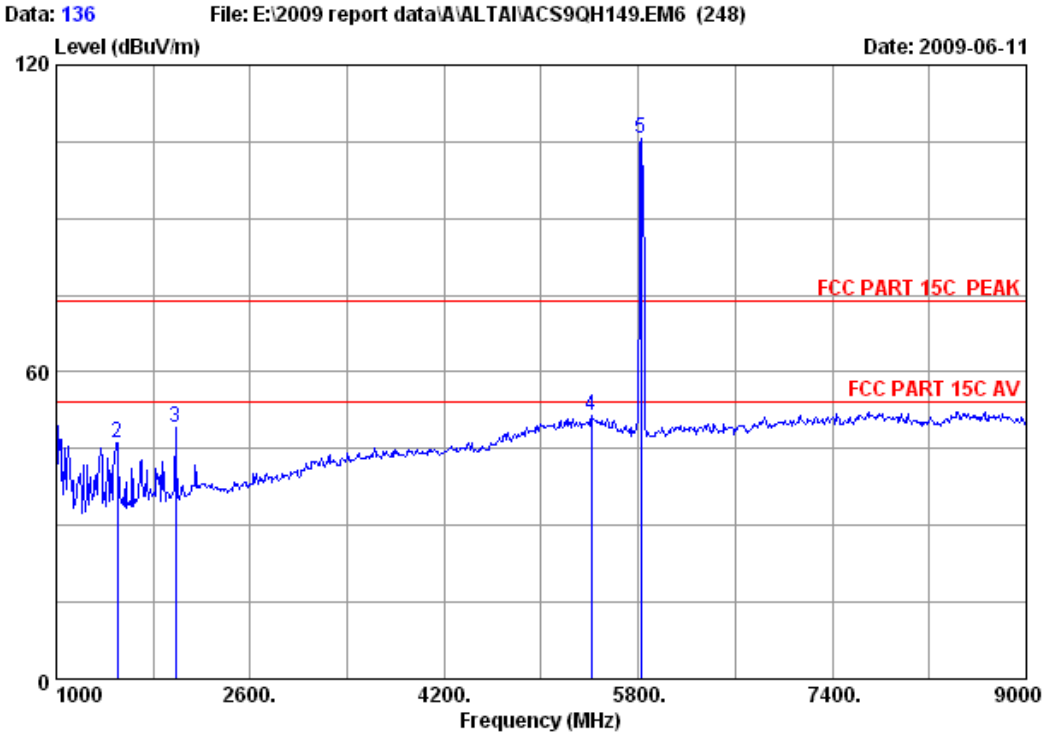

Site no. : 3m Chamber Data no. : 136
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1000.000	25.20	4.35	36.30	58.77	52.02	74.00	21.98	Peak
2	1504.000	25.97	5.32	35.74	50.62	46.17	74.00	27.83	Peak
3	1984.000	27.83	6.16	35.20	50.48	49.27	74.00	24.73	Peak
4	5416.000	35.83	10.67	34.45	39.34	51.39	74.00	22.61	Peak
5	5825.000	35.24	10.93	34.34	93.84	105.67	74.00	-31.67	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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Tel:+86-755-26639495-7
Fax:+86-755-26632877
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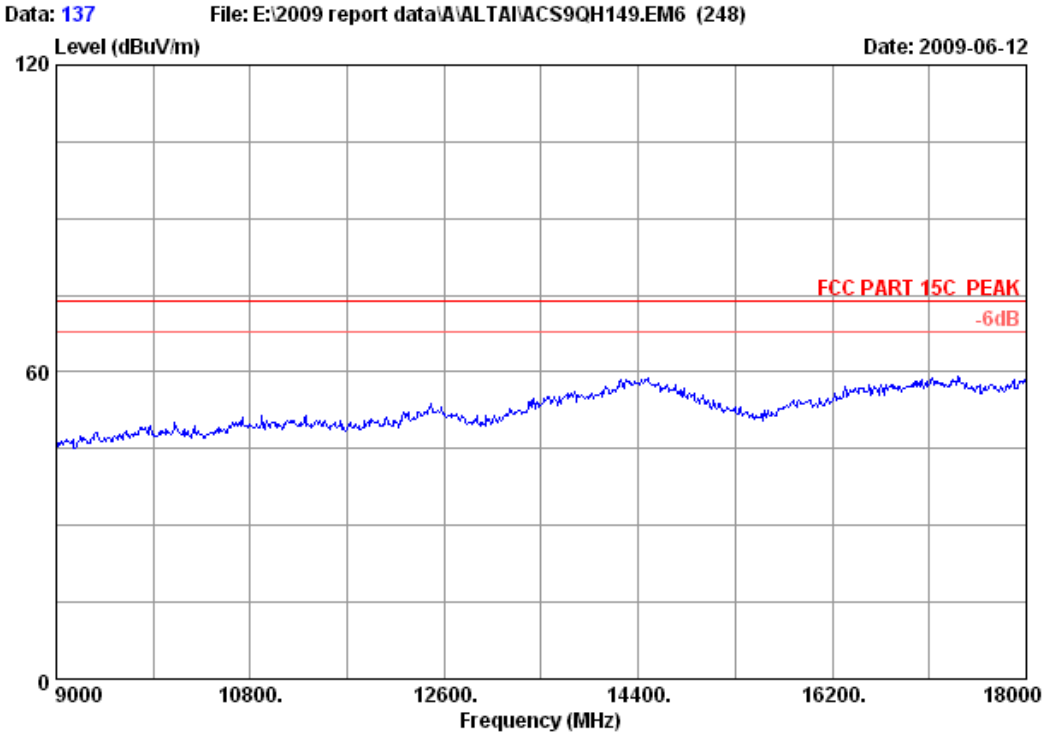

Site no. : 3m Chamber Data no. : 137
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz
M/N :

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ShenZhen Science & Industry Park
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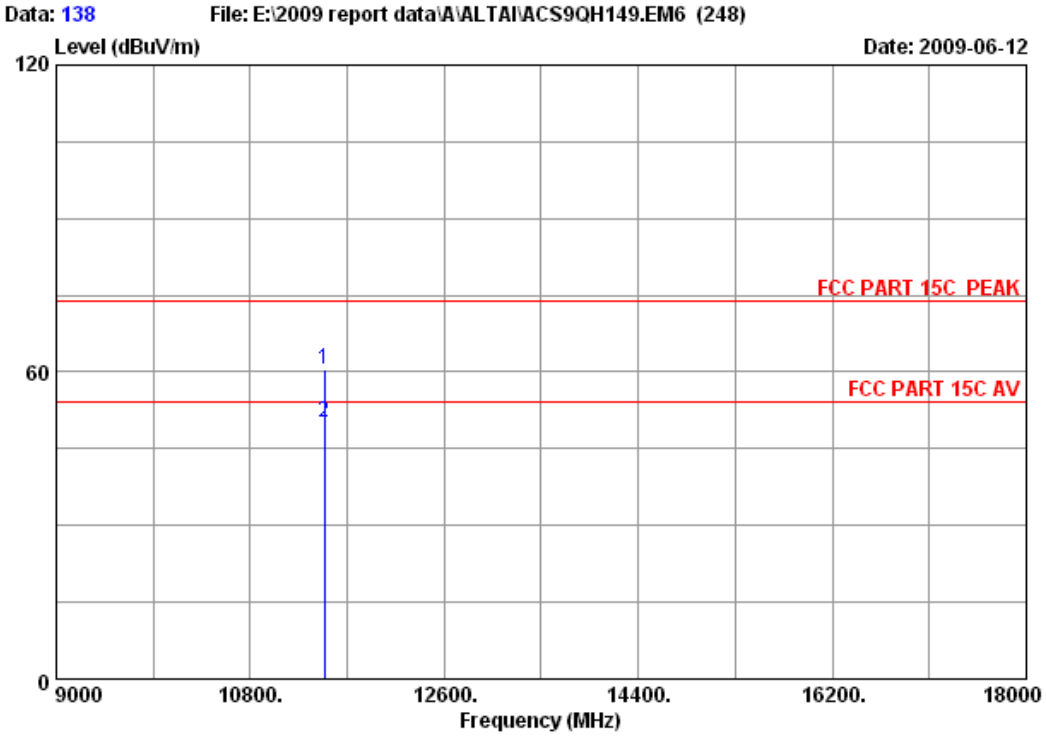
Postcode:518057



Site no. : 3m Chamber Data no. : 138
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.000	37.56	15.89	34.51	41.63	60.57	74.00	13.43	Peak
2	11490.000	37.56	15.89	34.51	31.05	49.99	54.00	4.01	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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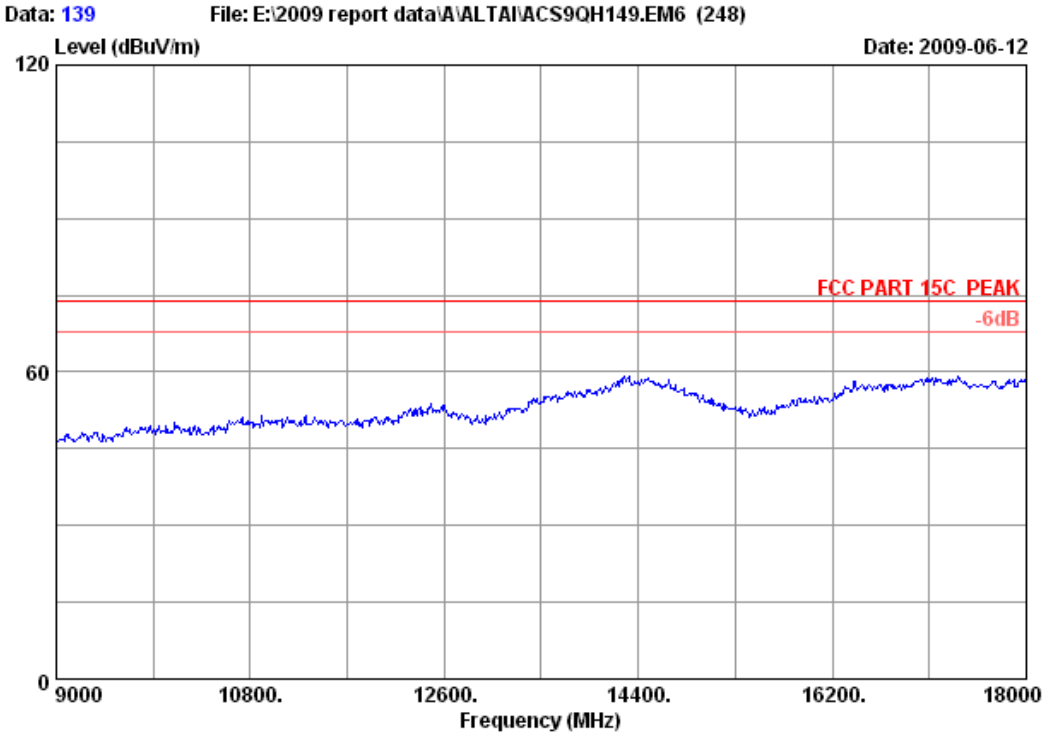

Site no. : 3m Chamber Data no. : 139
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz
M/N :

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ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
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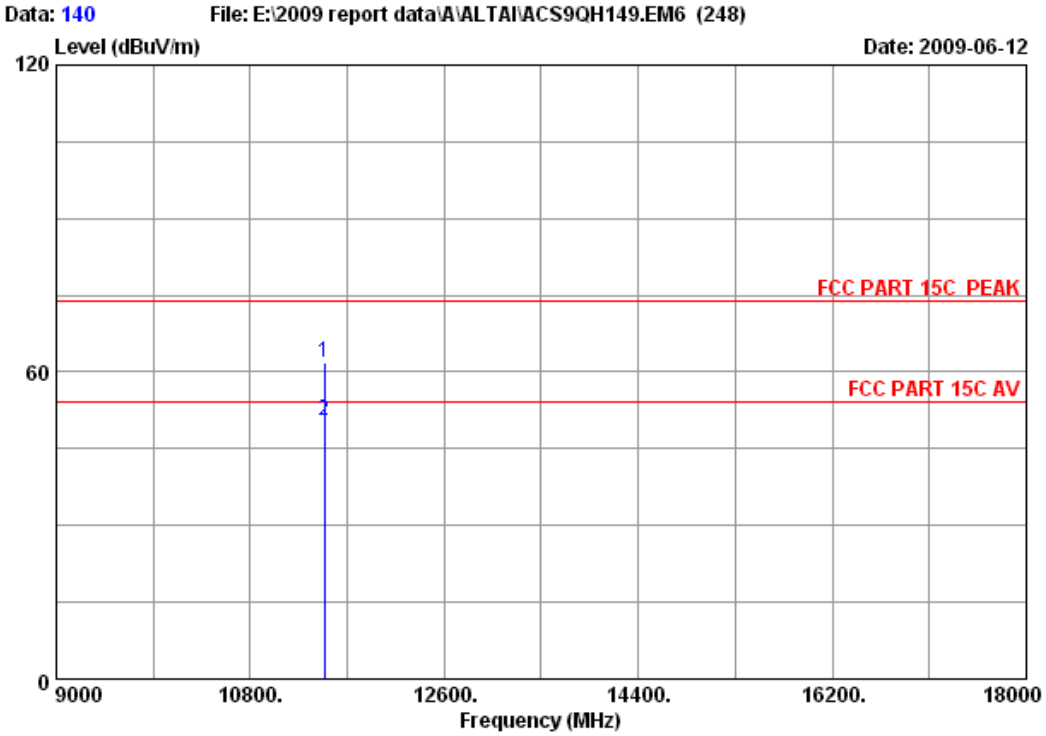

Site no. : 3m Chamber Data no. : 140
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH149 5745MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11490.000	37.56	15.89	34.51	42.89	61.83	74.00	12.17	Peak
2	11490.000	37.56	15.89	34.51	31.58	50.52	54.00	3.48	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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ShenZhen Science & Industry Park
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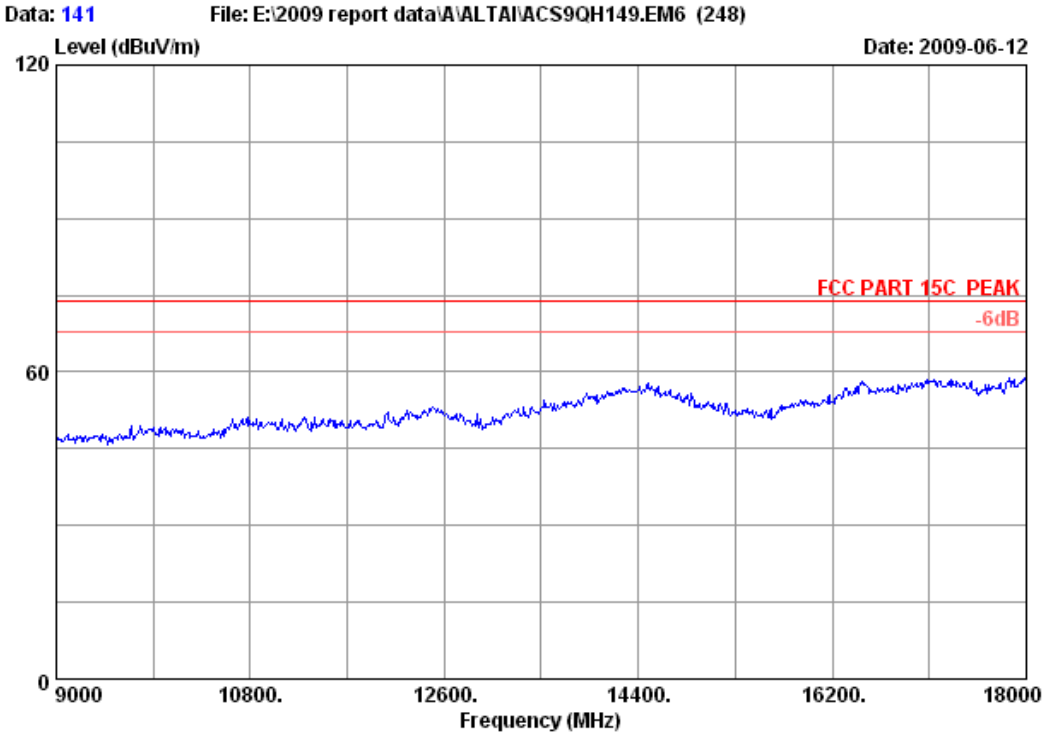
Postcode:518057



Site no. : 3m Chamber Data no. : 141
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH157 5785MHz
M/N :

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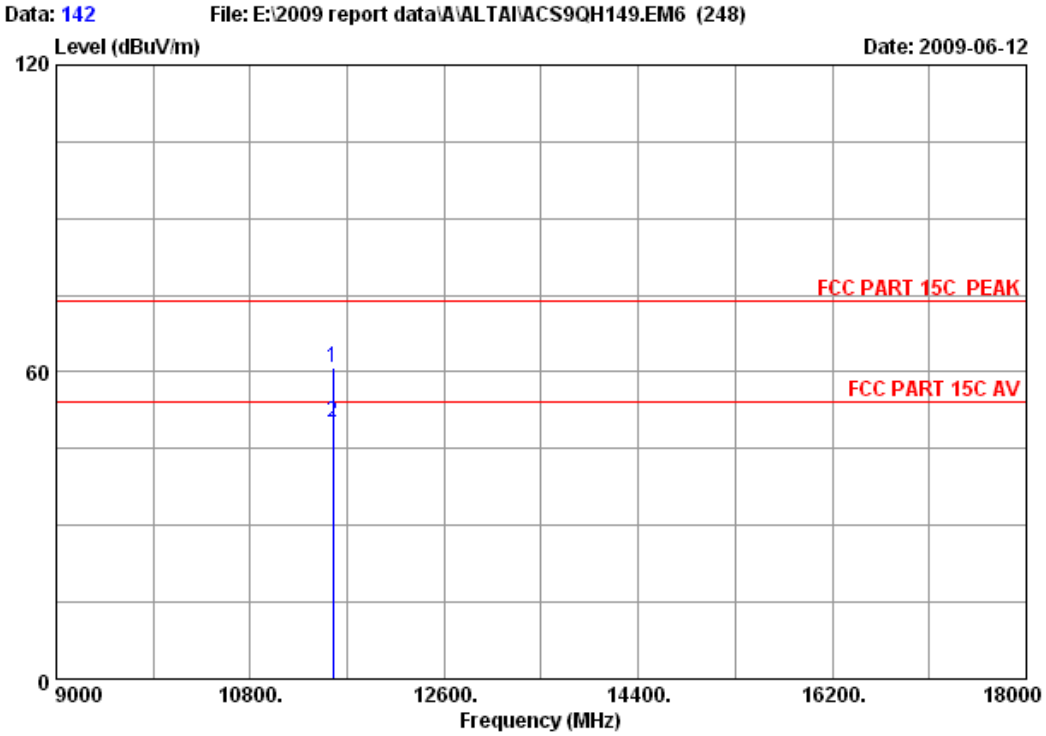
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 142
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH157 5785MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.000	37.44	15.93	34.46	41.98	60.89	74.00	13.11	Peak
2	11570.000	37.44	15.93	34.46	31.08	49.99	54.00	4.01	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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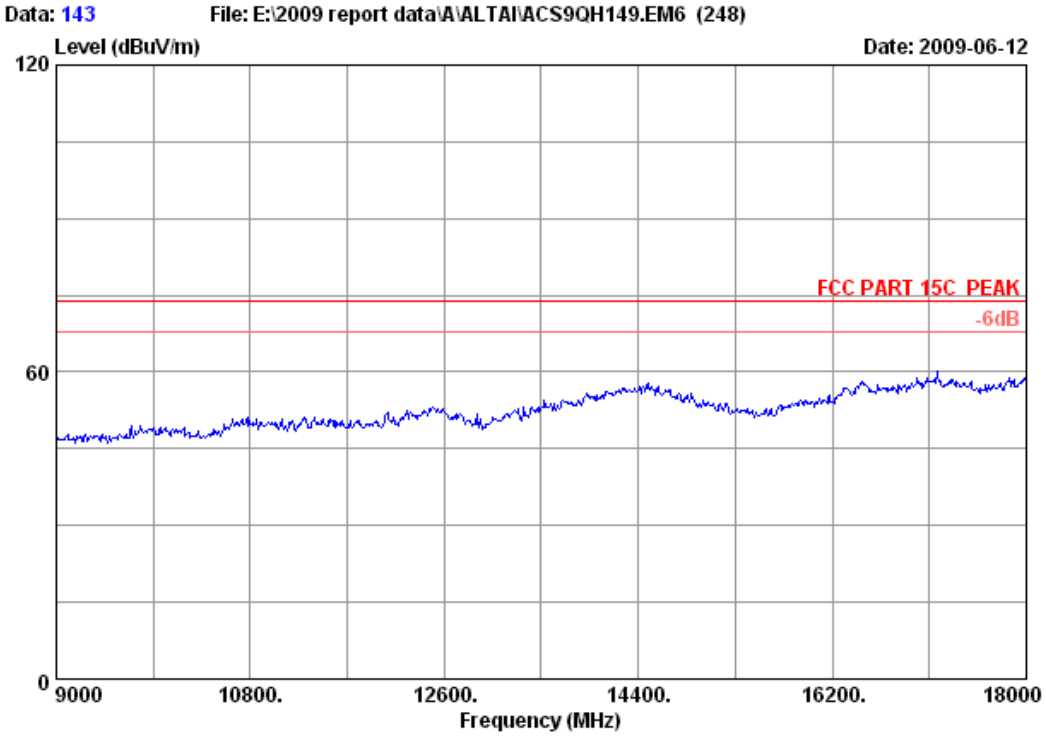


```
Site no.      : 3m Chamber                Data no.   : 143
Dis. / Ant.   : 3m   3115                 Ant. pol.  : VERTICAL
Limit         : FCC PART 15C  PEAK
Env. / Ins.   : 23*C/54%                  Engineer   :Sunny-lu
EUT           : Altai A3 Smart WiFi  M/N:WA3011N
Power         : DC 56V From Adapter input AC 120V/60Hz
Test mode     : IEEE802.11n HT20  CH157 5785MHz
M/N           :
```

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Fax:+86-755-26632877
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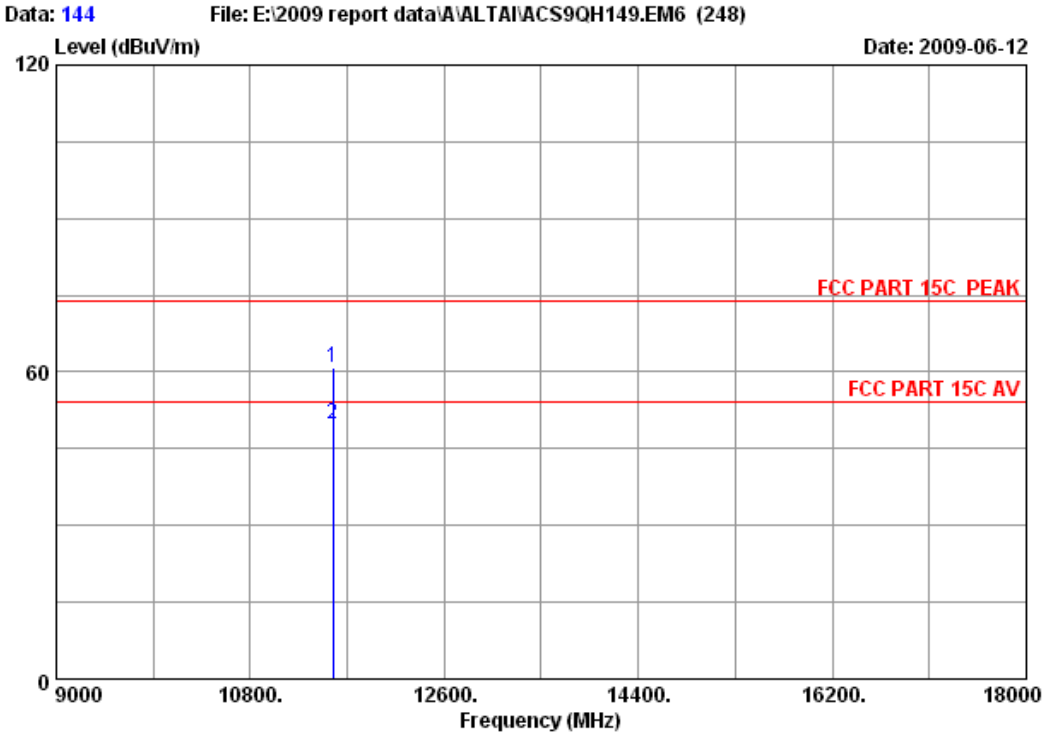

Site no. : 3m Chamber Data no. : 144
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH157 5785MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11570.000	37.44	15.93	34.46	42.07	60.98	74.00	13.02	Peak
2	11570.000	37.44	15.93	34.46	30.87	49.78	54.00	4.22	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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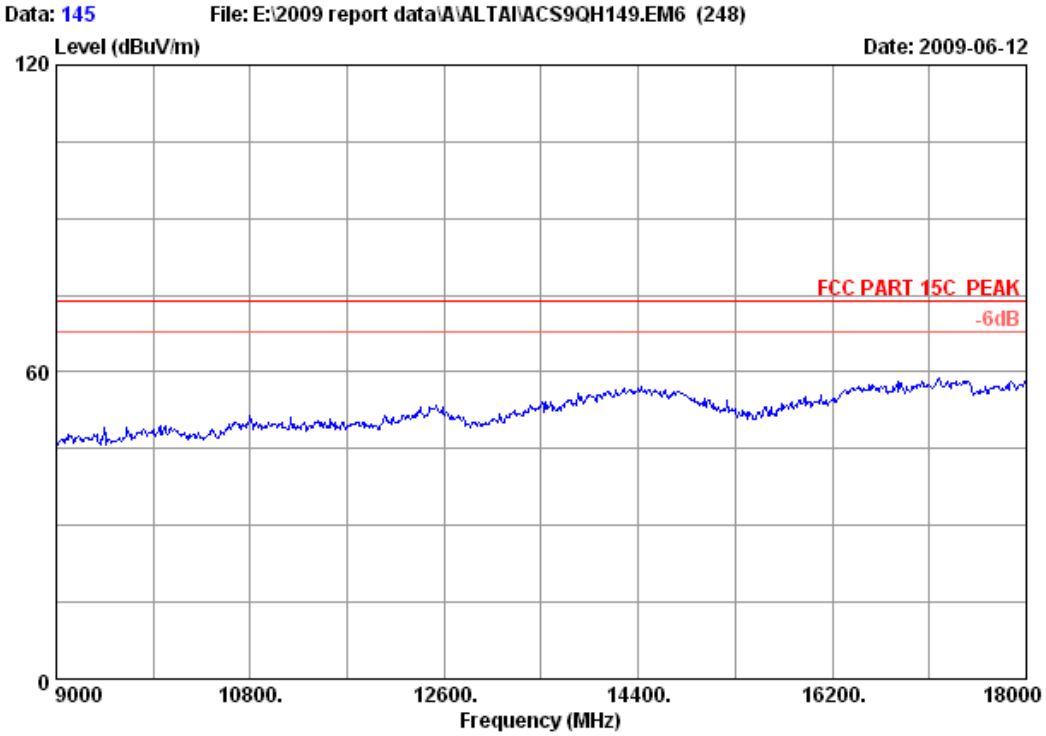

Site no. : 3m Chamber Data no. : 145
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz
M/N :

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Fax:+86-755-26632877
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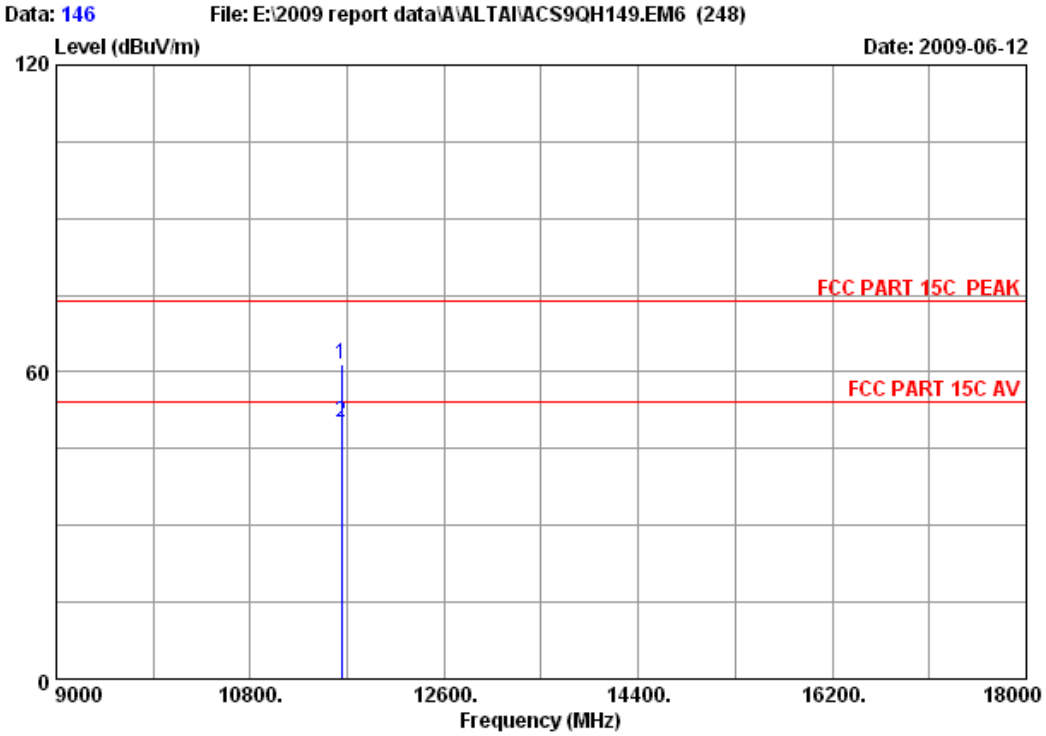

Site no. : 3m Chamber Data no. : 146
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.000	37.39	15.94	34.43	42.57	61.47	74.00	12.53	Peak
2	11650.000	37.39	15.94	34.43	31.25	50.15	54.00	3.85	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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Fax:+86-755-26632877
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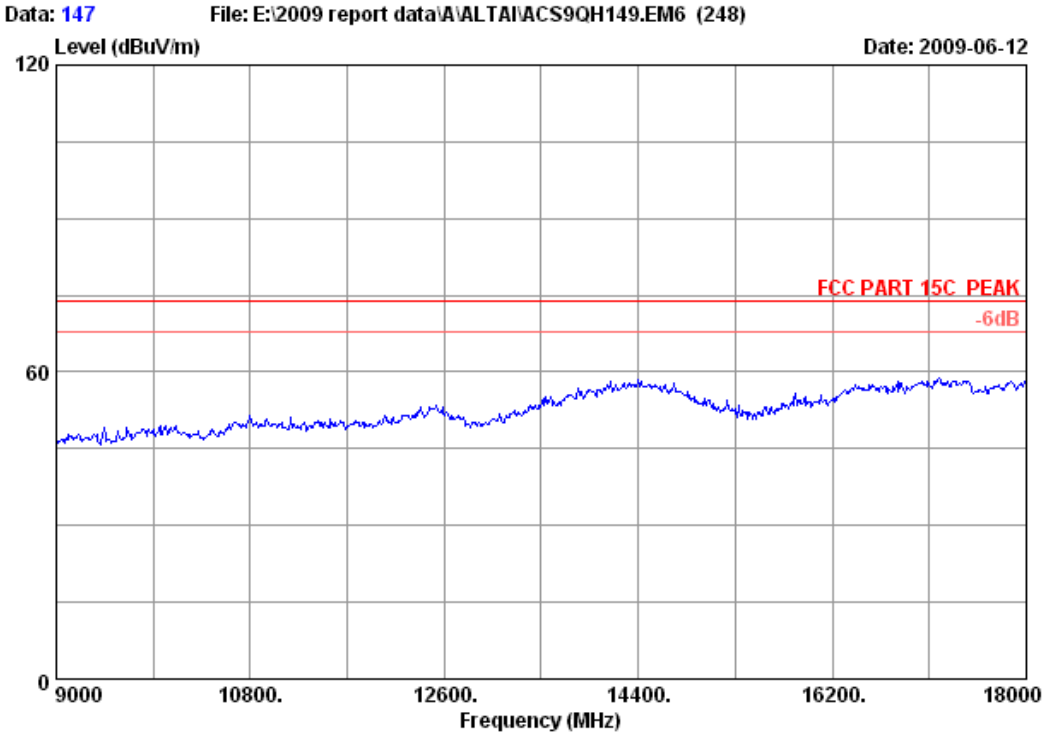

Site no. : 3m Chamber Data no. : 147
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz
M/N :

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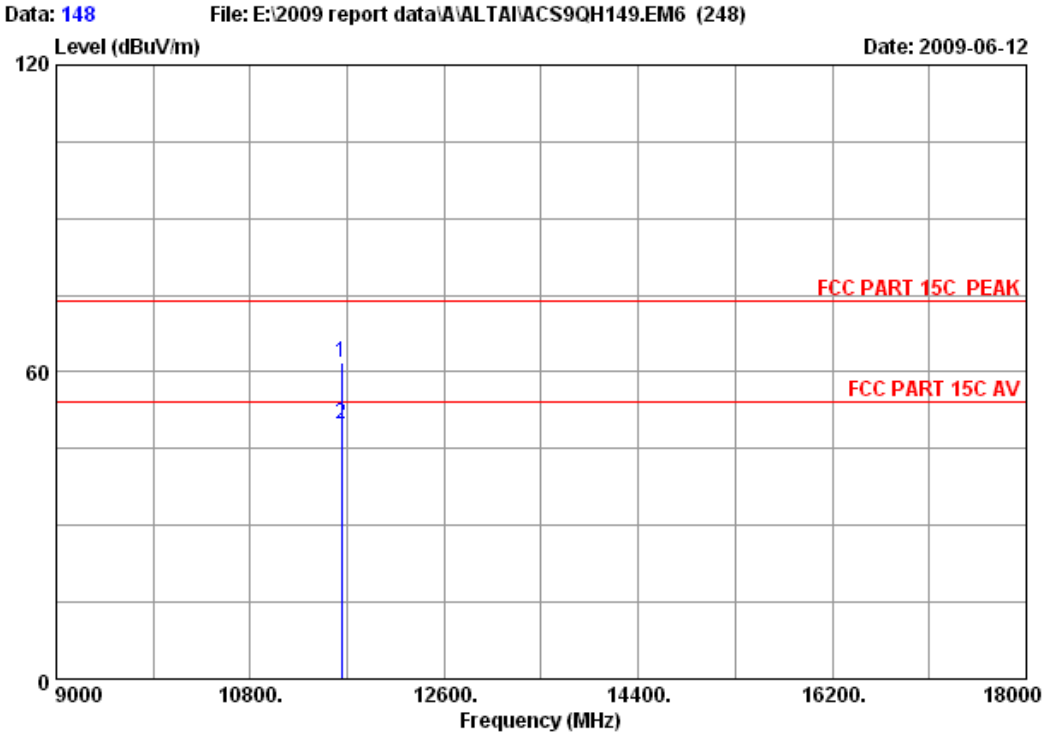
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 148
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT20 CH165 5825MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11650.000	37.39	15.94	34.43	42.98	61.88	74.00	12.12	Peak
2	11650.000	37.39	15.94	34.43	30.83	49.73	54.00	4.27	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

Frequency: Above 1GHz IEEE 802.11n HT40 5G mode

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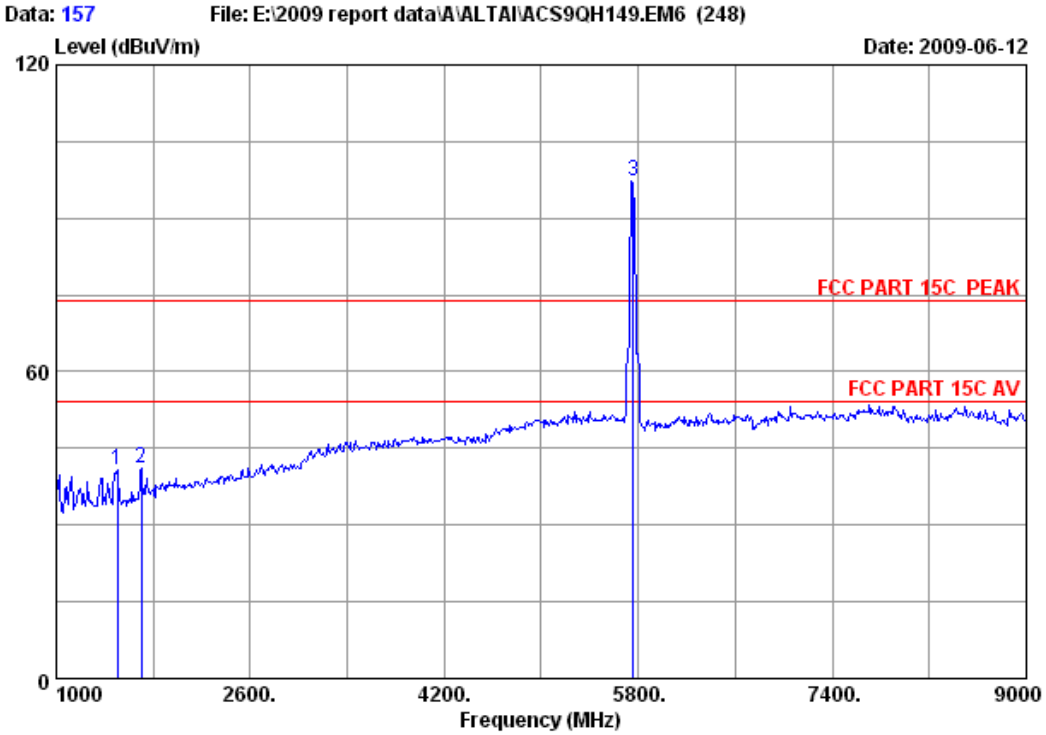

Site no. : 3m Chamber Data no. : 157
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1504.000	25.97	5.32	35.74	45.19	40.74	74.00	33.26	Peak
2	1704.000	26.70	5.64	35.51	44.44	41.27	74.00	32.73	Peak
3	5755.000	35.38	10.94	34.36	85.20	97.16	74.00	-23.16	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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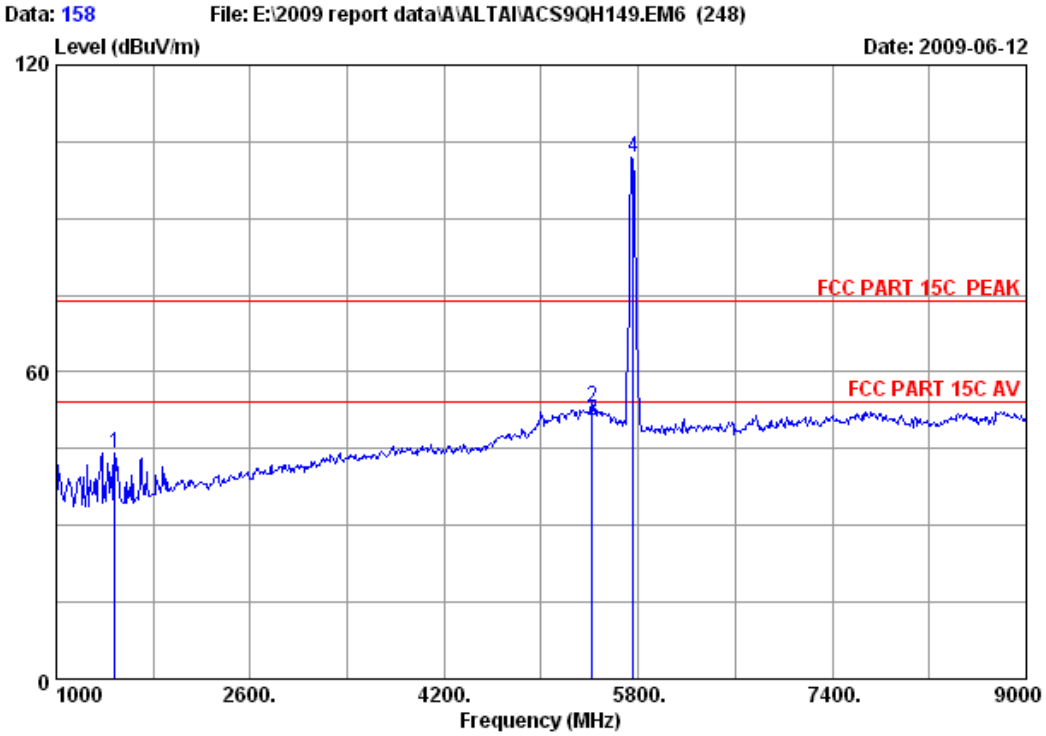
Postcode:518057



Site no. : 3m Chamber Data no. : 158
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1480.000	25.88	5.25	35.76	48.89	44.26	74.00	29.74	Peak
2	5416.670	35.83	10.67	34.45	40.99	53.04	74.00	20.96	Peak
3	5416.670	35.83	10.67	34.45	38.45	50.50	54.00	3.50	Average
4	5755.000	35.38	10.94	34.36	89.94	101.90	74.00	-27.90	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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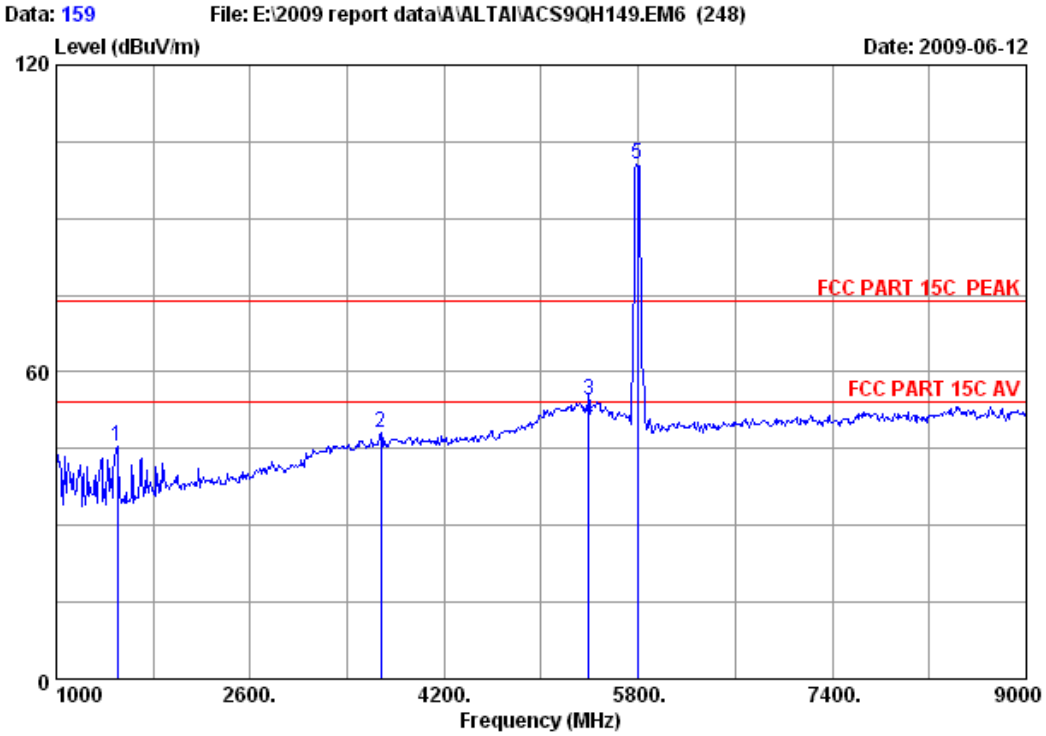
Postcode:518057



Site no. : 3m Chamber Data no. : 159
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1504.000	25.97	5.32	35.74	49.91	45.46	74.00	28.54	Peak
2	3680.000	31.87	9.16	34.87	41.93	48.09	74.00	25.91	Peak
3	5393.430	35.81	10.63	34.45	42.51	54.50	74.00	19.50	Peak
4	5393.430	35.81	10.63	34.45	38.41	50.40	54.00	3.60	Average
5	5795.000	35.31	10.91	34.35	88.72	100.59	74.00	-26.59	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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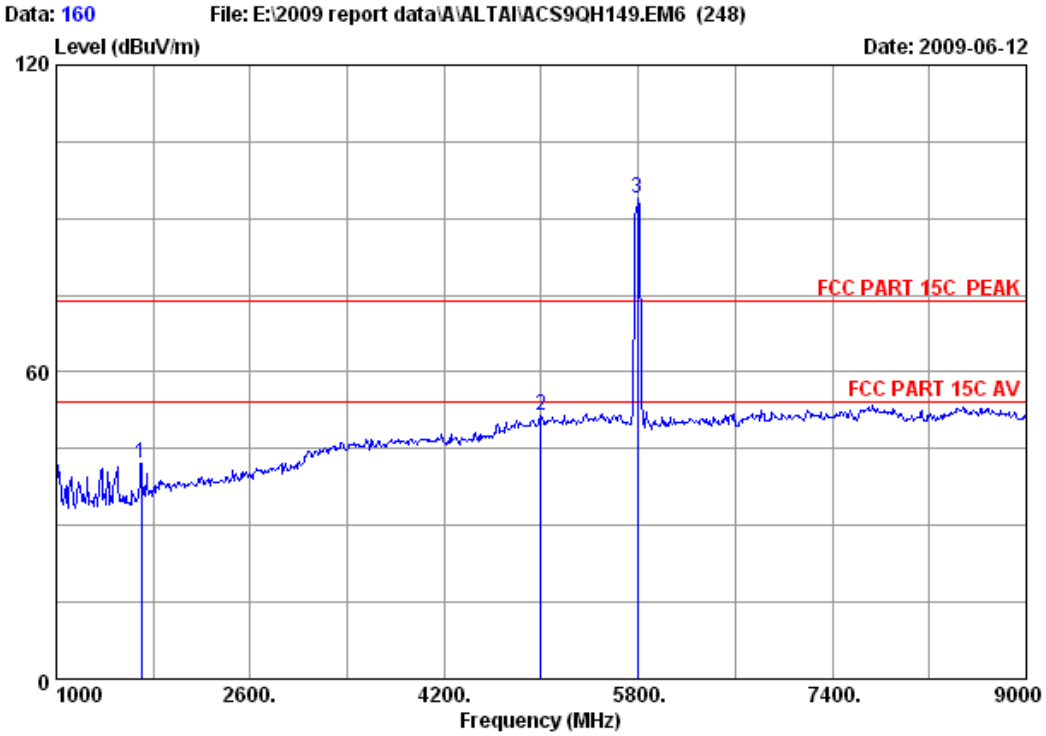

Site no. : 3m Chamber Data no. : 160
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1704.000	26.70	5.64	35.51	45.45	42.28	74.00	31.72	Peak
2	5000.000	35.50	10.59	34.55	39.87	51.41	74.00	22.59	Peak
3	5795.000	35.31	10.91	34.35	81.92	93.79	74.00	-19.79	Peak

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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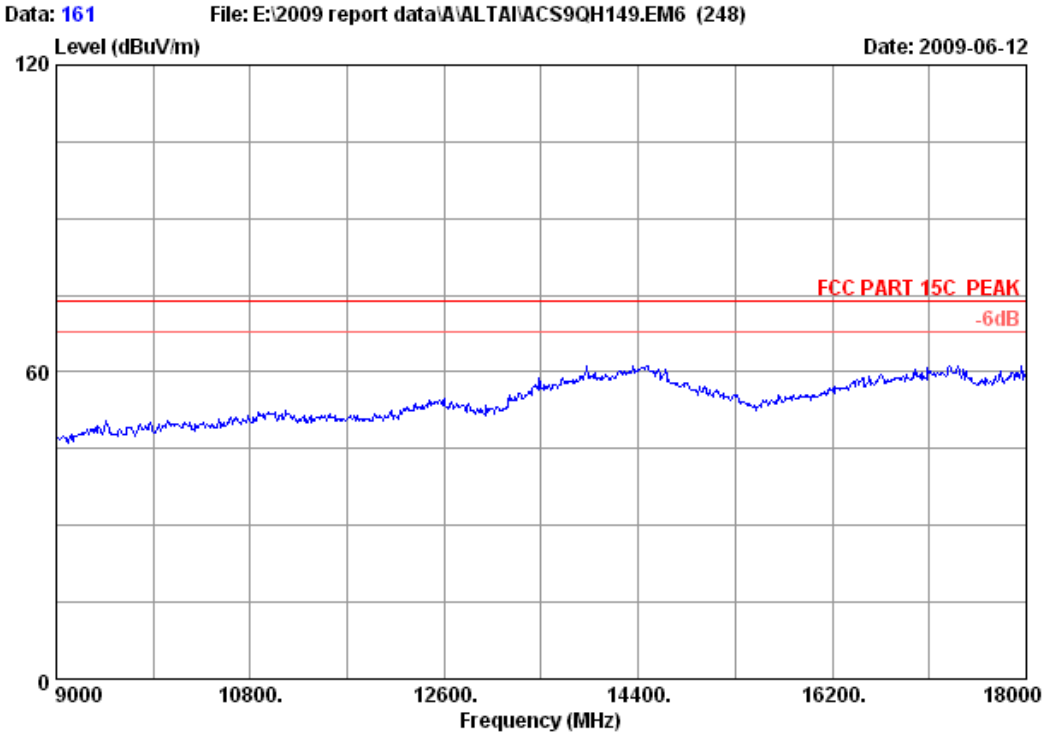

Site no. : 3m Chamber Data no. : 161
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz
M/N :

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Fax:+86-755-26632877
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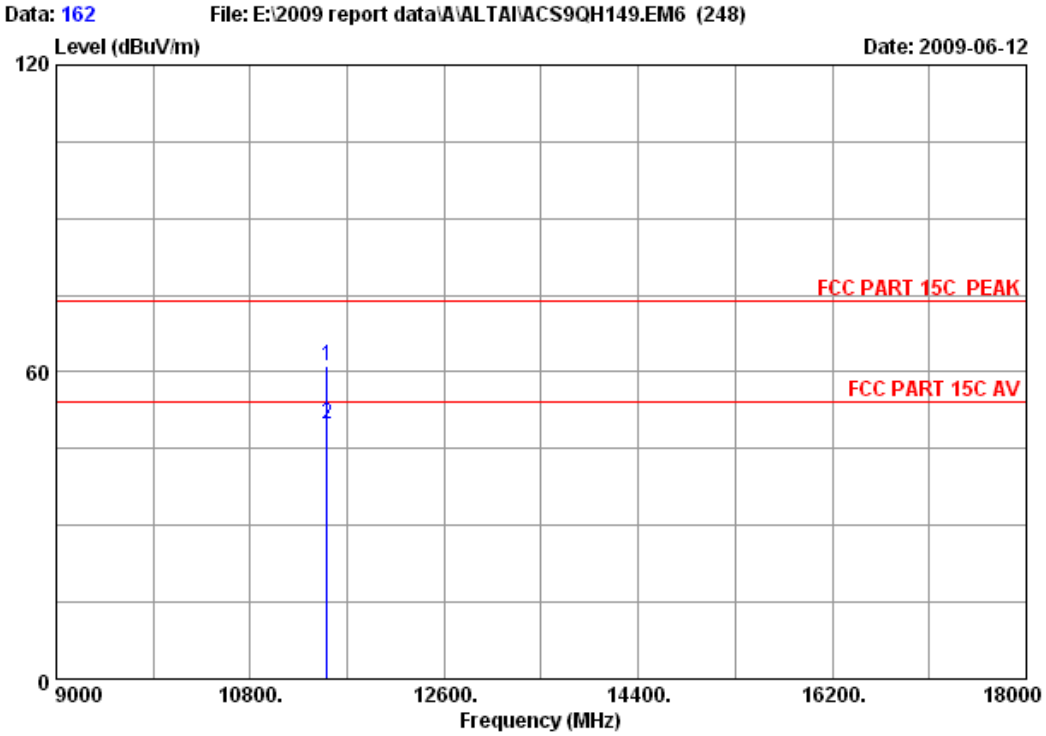

Site no. : 3m Chamber Data no. : 162
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11510.000	37.50	15.90	34.49	42.15	61.06	74.00	12.94	Peak
2	11510.000	37.50	15.90	34.49	30.85	49.76	54.00	4.24	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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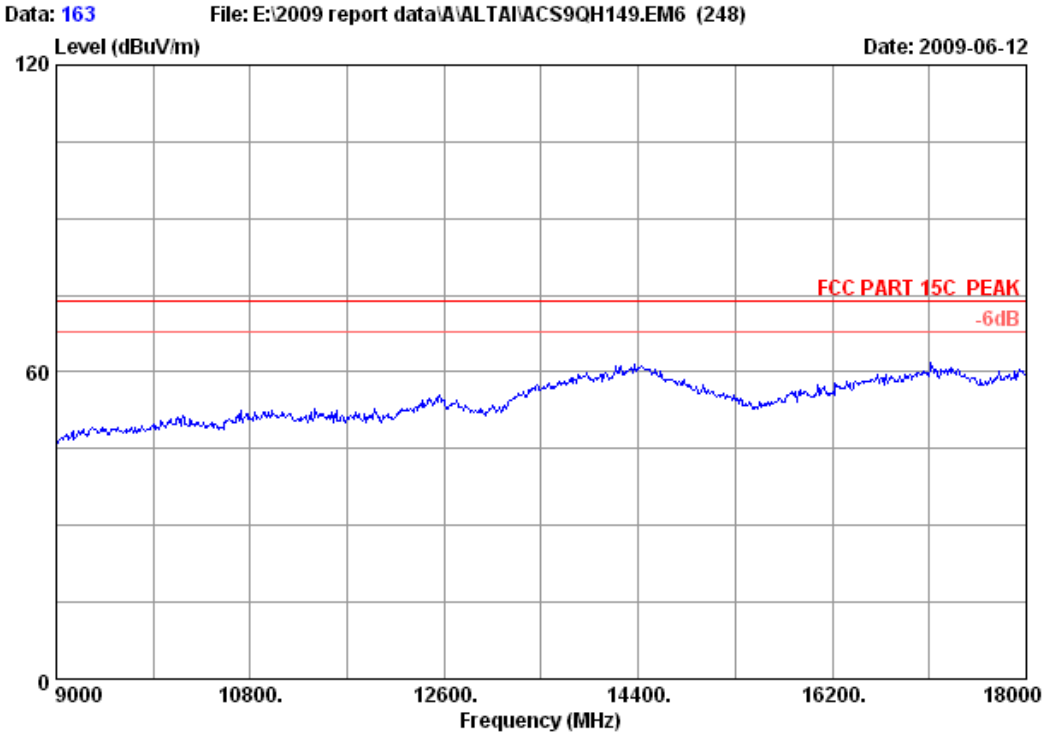
Postcode:518057



Site no. : 3m Chamber Data no. : 163
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz
M/N :

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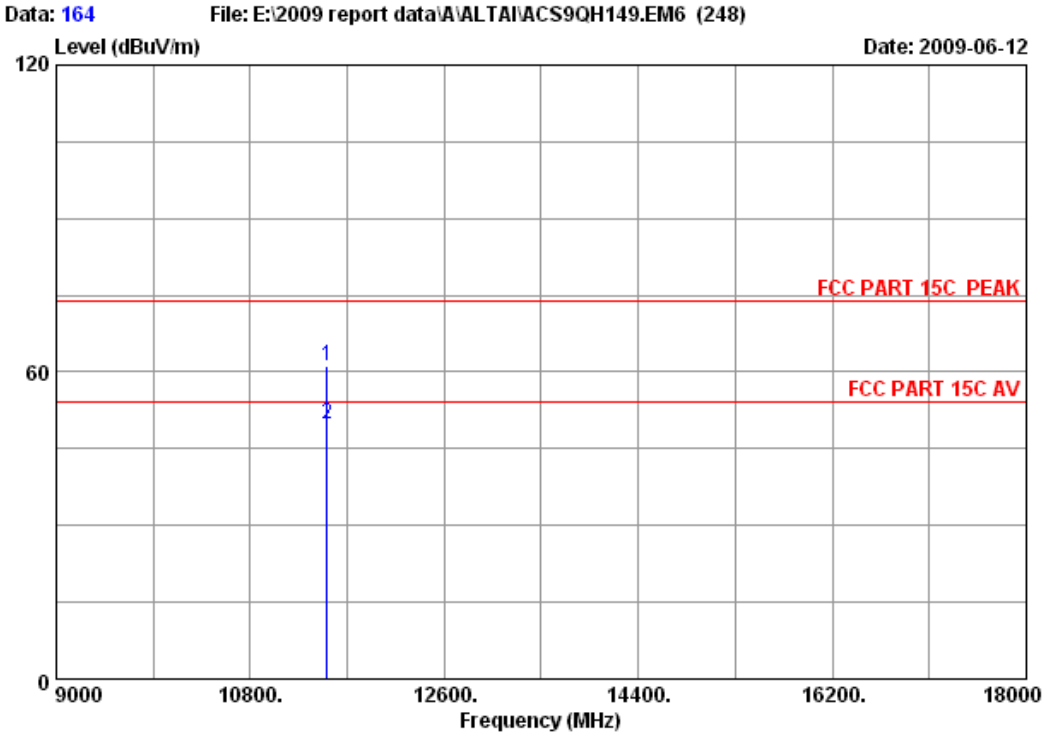

Site no. : 3m Chamber Data no. : 164
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH151 5755MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11510.000	37.50	15.90	34.49	42.12	61.03	74.00	12.97	Peak
2	11510.000	37.50	15.90	34.49	31.05	49.96	54.00	4.04	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

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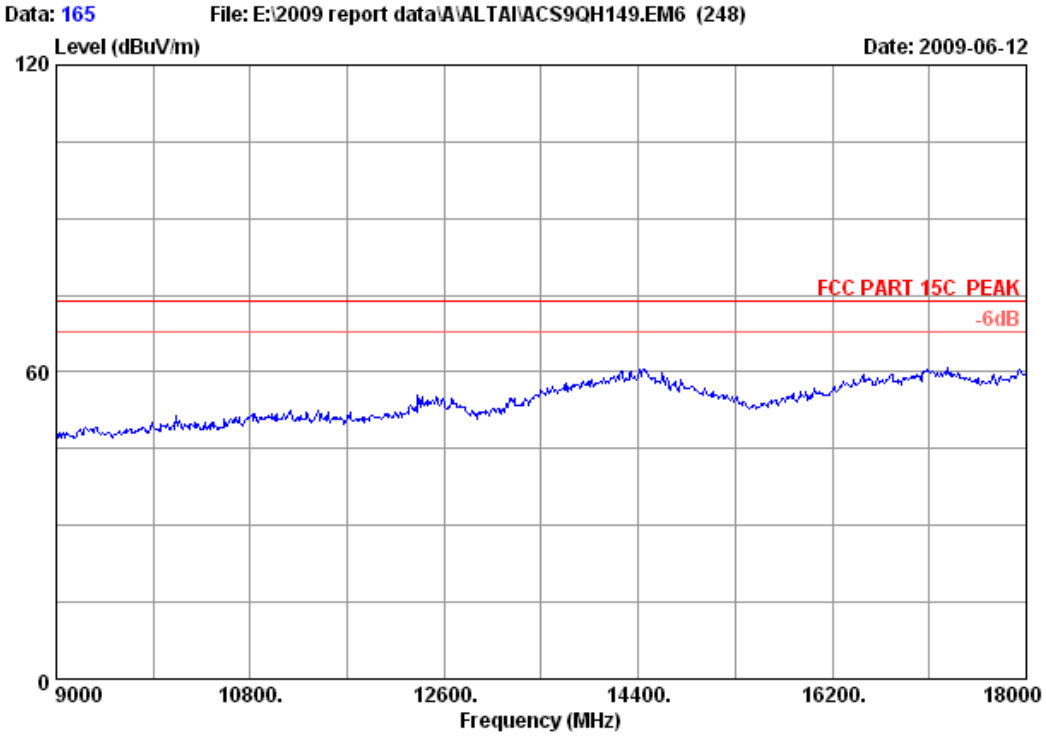
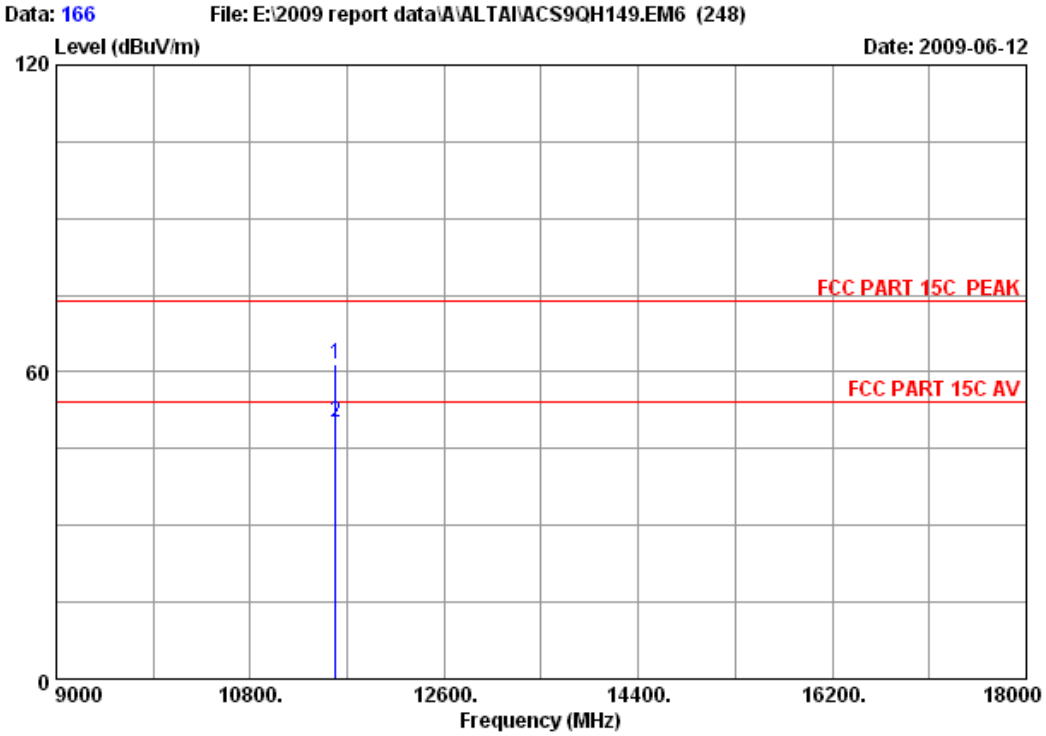


Site no. : 3m Chamber Data no. : 165
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz
M/N :

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057

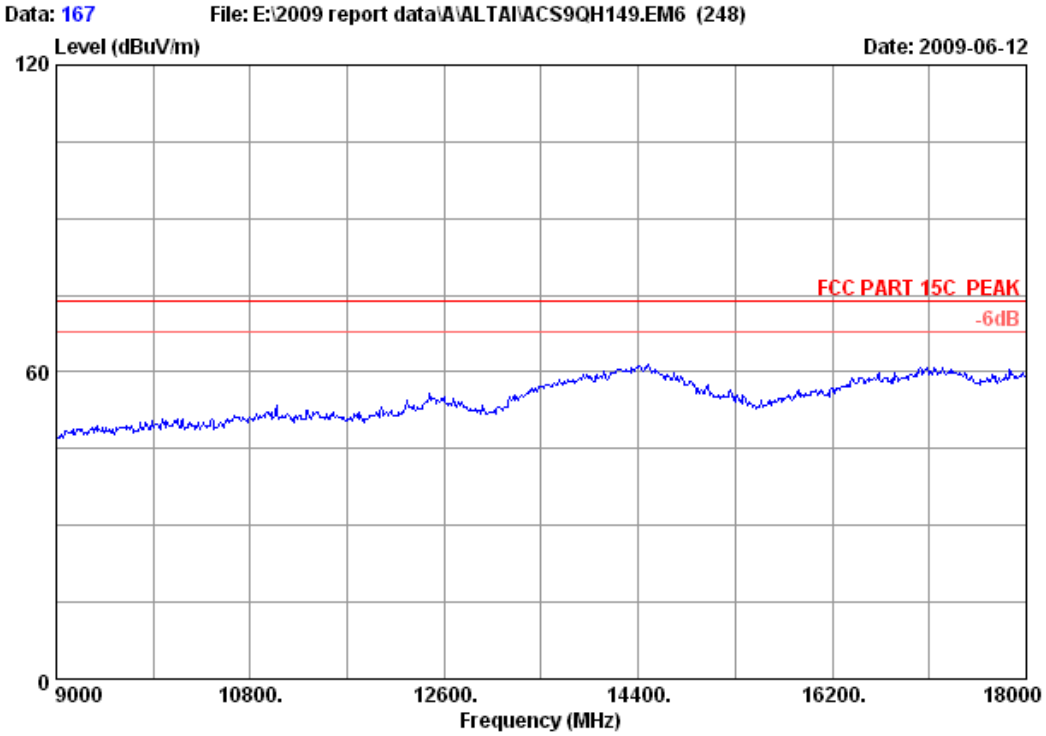


Site no. : 3m Chamber Data no. : 166
Dis. / Ant. : 3m 3115 Ant. pol. : VERTICAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11590.000	37.43	15.94	34.46	42.65	61.56	74.00	12.44	Peak
2	11590.000	37.43	15.94	34.46	31.21	50.12	54.00	3.88	Average

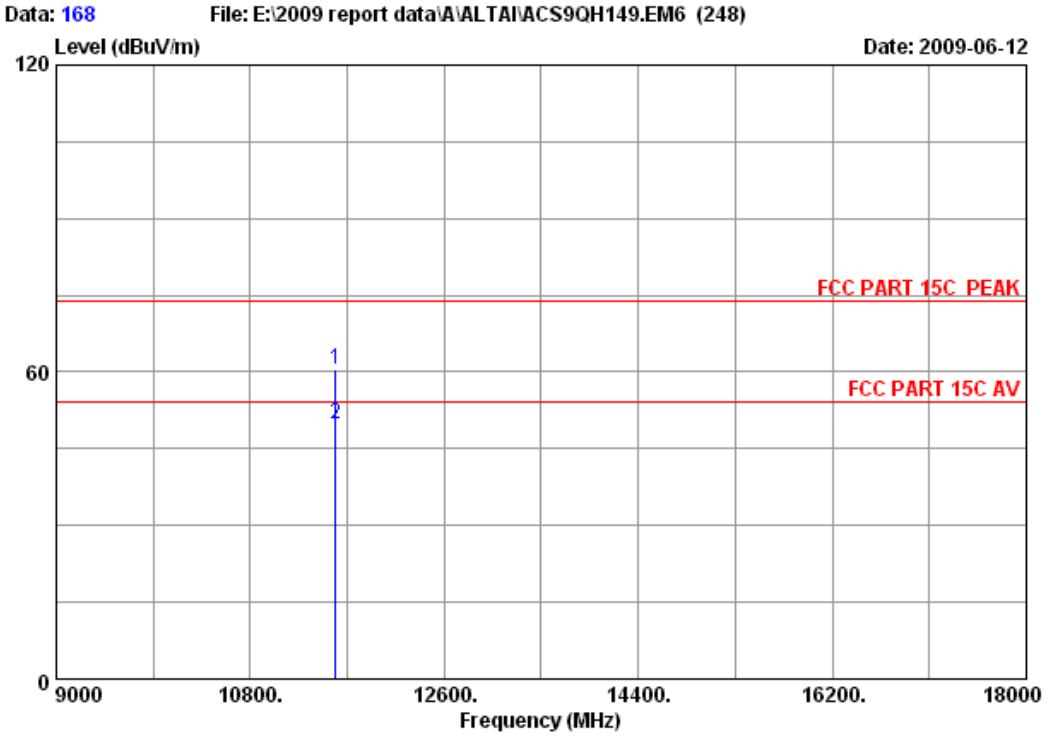
Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 167
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz
M/N :

No.6 Ke Feng Road,Block 52,
ShenZhen Science & Industry Park
Noutou,ShenZhen,GuangDong,China
Tel:+86-755-26639495-7
Fax:+86-755-26632877
Postcode:518057



Site no. : 3m Chamber Data no. : 168
Dis. / Ant. : 3m 3115 Ant. pol. : HORIZONTAL
Limit : FCC PART 15C PEAK
Env. / Ins. : 23*C/54% Engineer :Sunny-lu
EUT : Altai A3 Smart WiFi M/N:WA3011N
Power : DC 56V From Adapter input AC 120V/60Hz
Test mode : IEEE802.11n HT40 CH159 5795MHz
M/N :

	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dbuv)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	11590.000	37.43	15.94	34.46	41.58	60.49	74.00	13.51	Peak
2	11590.000	37.43	15.94	34.46	30.87	49.78	54.00	4.22	Average

Remarks:
1. Emission Level= Antenna Factor + Cable Loss -Amp Factor + Reading.
2. The emission levels that are 20dB below the official limit are not reported.

5. CONDUCTED SPURIOUS EMISSIONS

5.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum Analyzer	Agilent	E4446A	US44300459	May,08, 09	1 Year
2	RF Cable	Hubersuhner	SUCOFLEX	182768/4	May,08, 09	1Year

5.2.Limit

In any 100kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator in operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in 15.209(a).

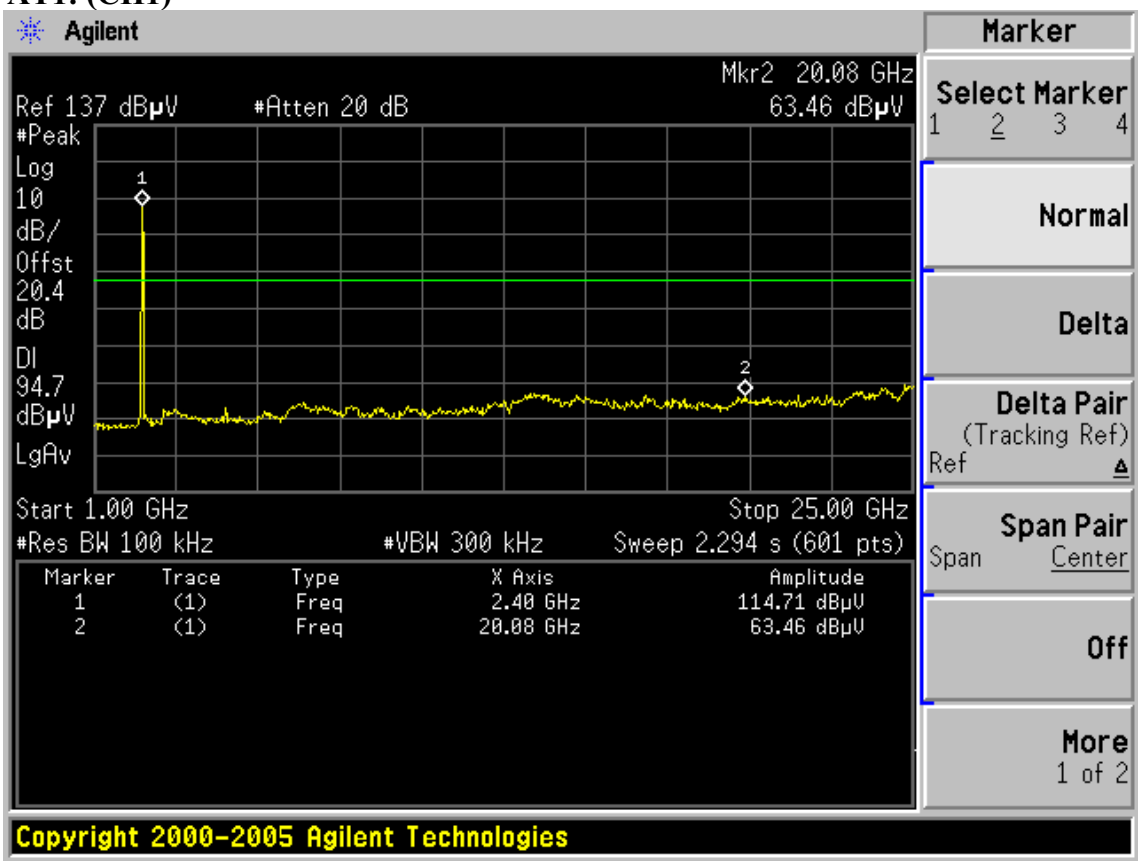
5.3.Test Procedure

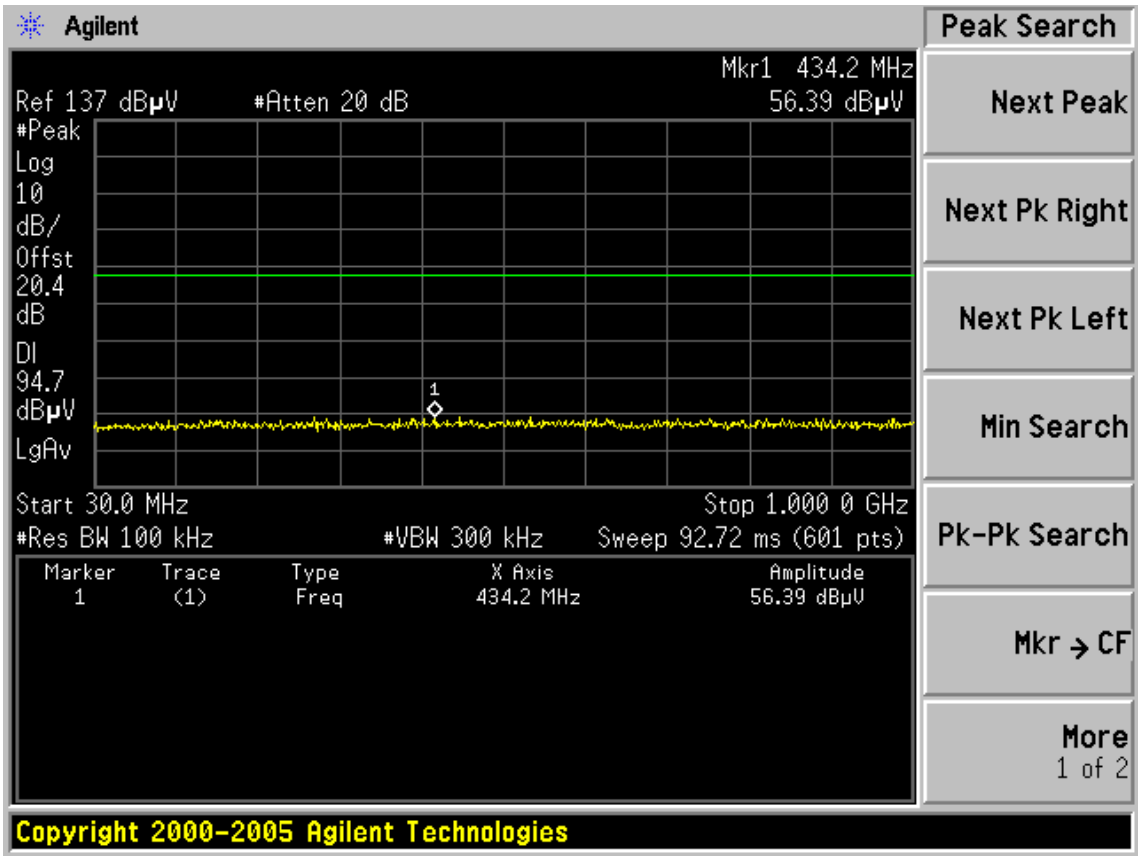
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz.

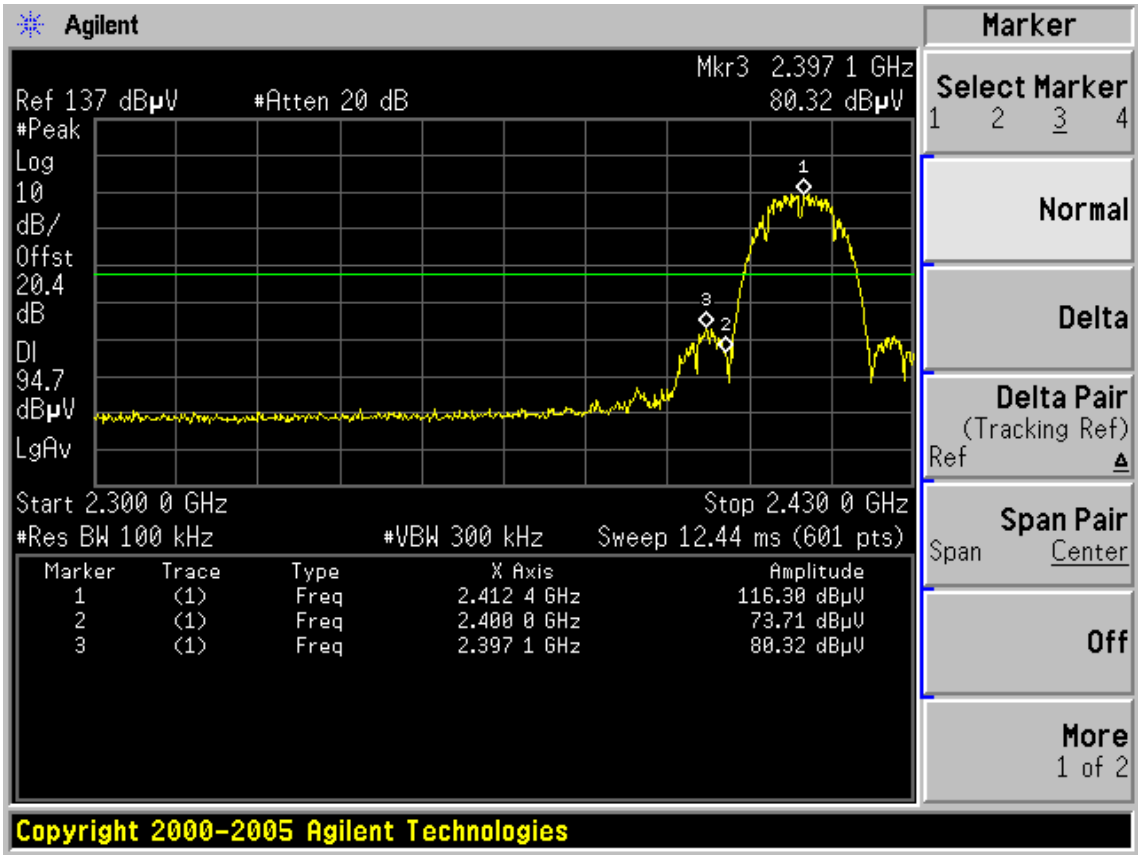
5.4.Test result

PASS (The testing data was attached in the next pages.)

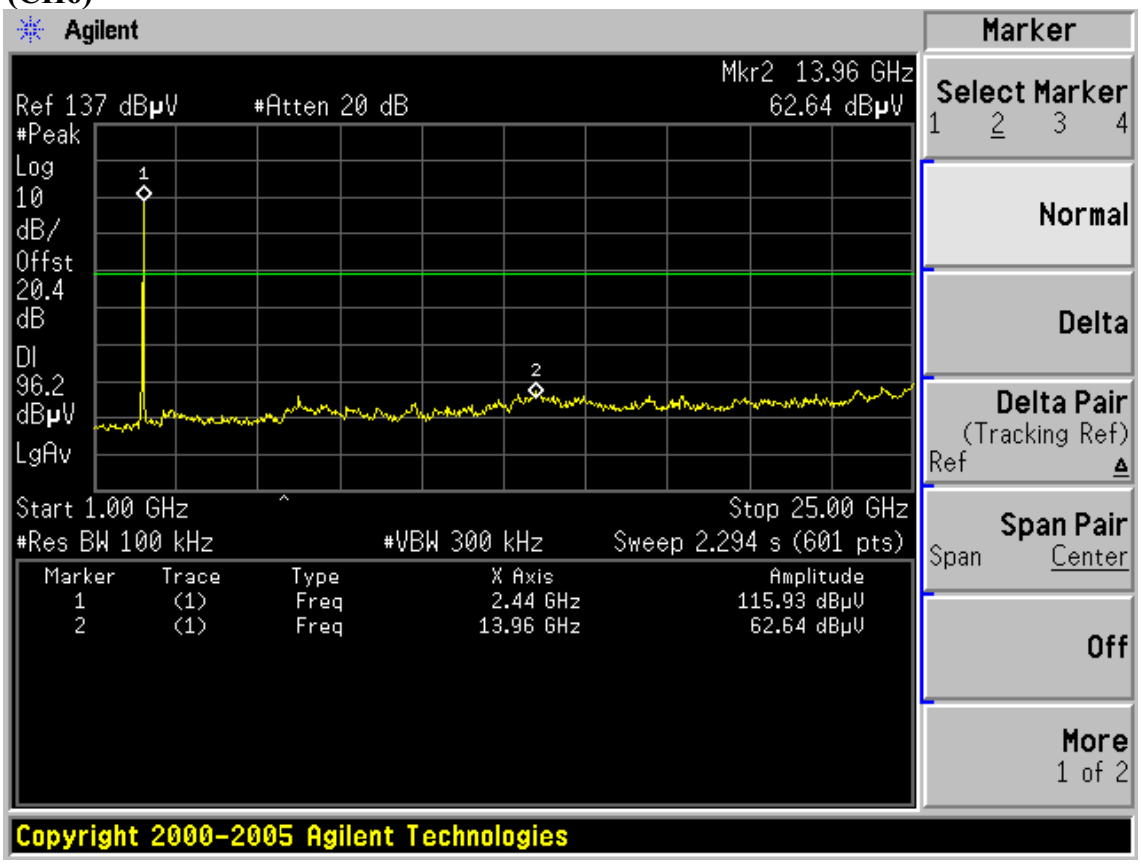
Conducted emission test data:
Test Mode: IEEE 802.11b TX
AT1: (CH1)

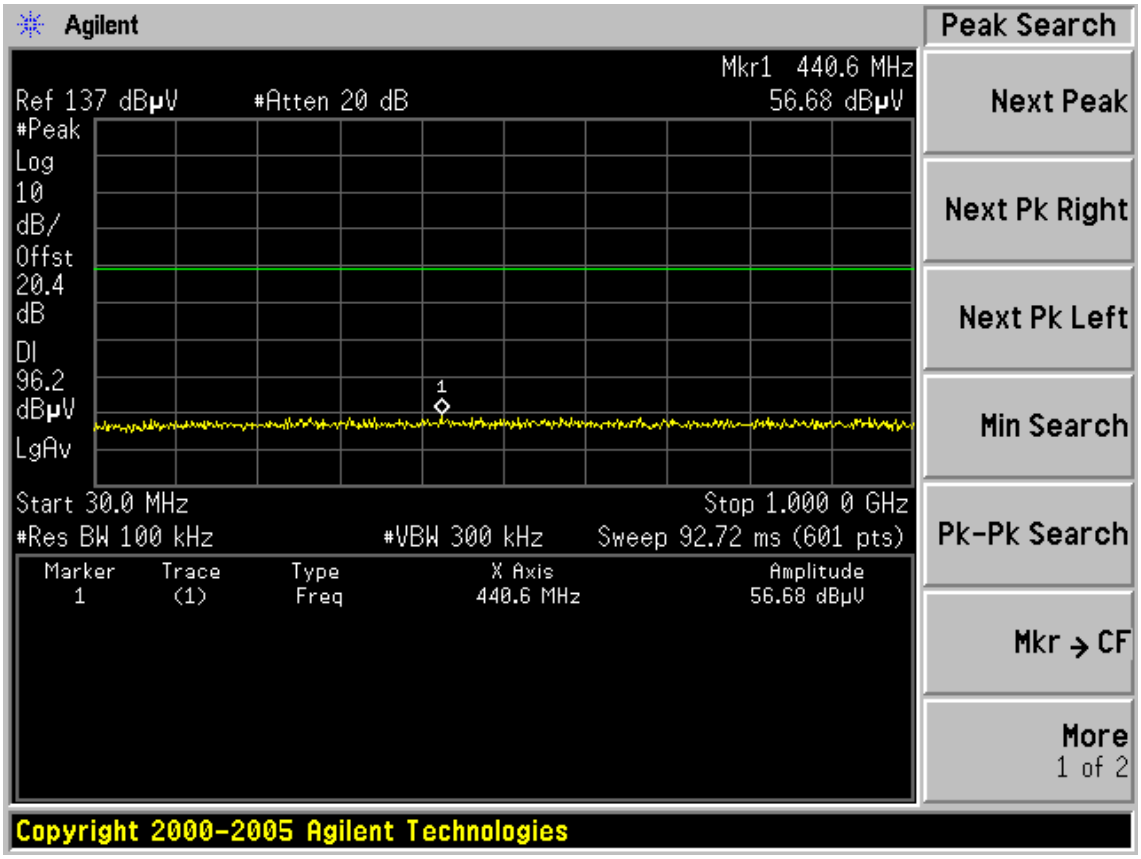





Agilent
Marker
Mkr3 2.397 1 GHz
Ref 137 dBµV
#Atten 20 dB
80.32 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
94.7
dBµV
LgAv
Start 2.300 0 GHz
Stop 2.430 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 12.44 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.412 4 GHz 116.30 dBµV
2 (1) Freq 2.400 0 GHz 73.71 dBµV
3 (1) Freq 2.397 1 GHz 80.32 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies

(CH6)


Agilent
Marker
Mkr2 13.96 GHz
Ref 137 dBµV
#Atten 20 dB
62.64 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.2
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 115.93 dBµV
2 (1) Freq 13.96 GHz 62.64 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 440.6 MHz
Ref 137 dBµV
#Atten 20 dB
56.68 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.2
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 440.6 MHz 56.68 dBµV
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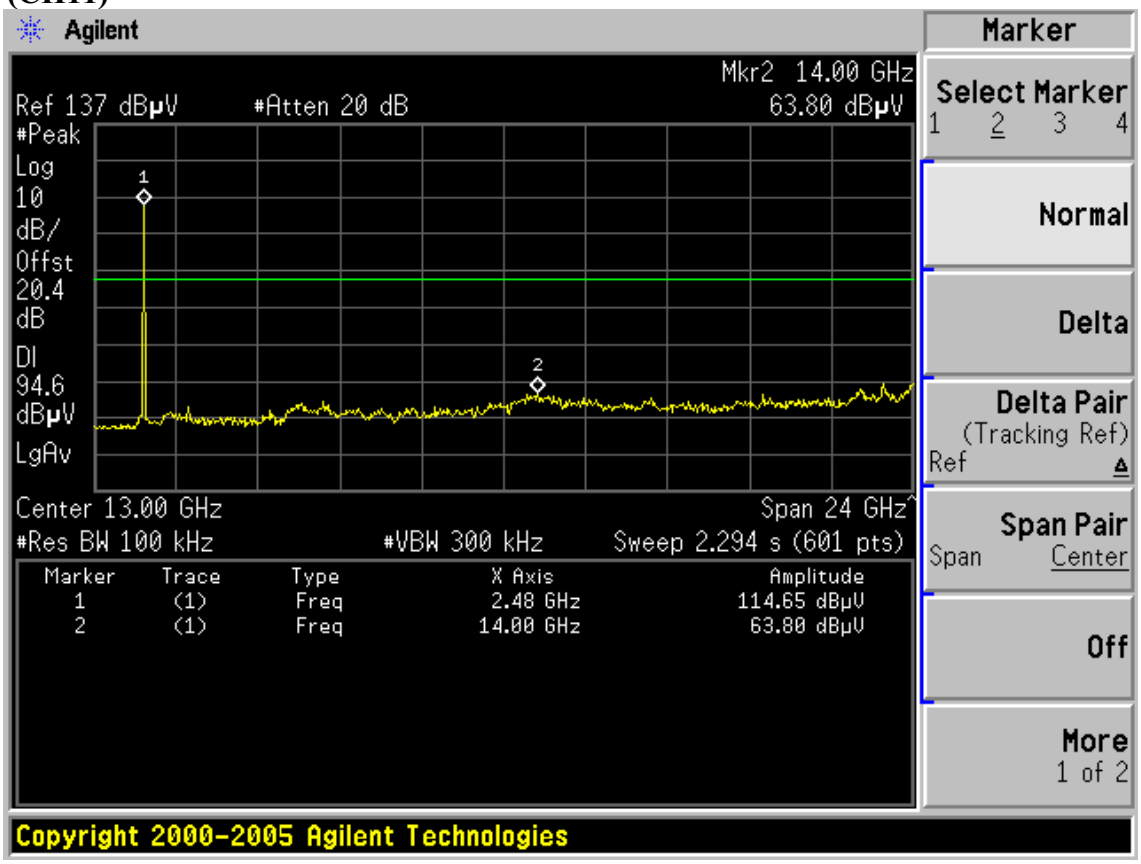
(CH11)


Agilent
Marker
Mkr2 14.00 GHz
Ref 137 dBµV
#Atten 20 dB
63.80 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
94.6
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Center 13.00 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.48 GHz 114.65 dBµV
2 (1) Freq 14.00 GHz 63.80 dBµV
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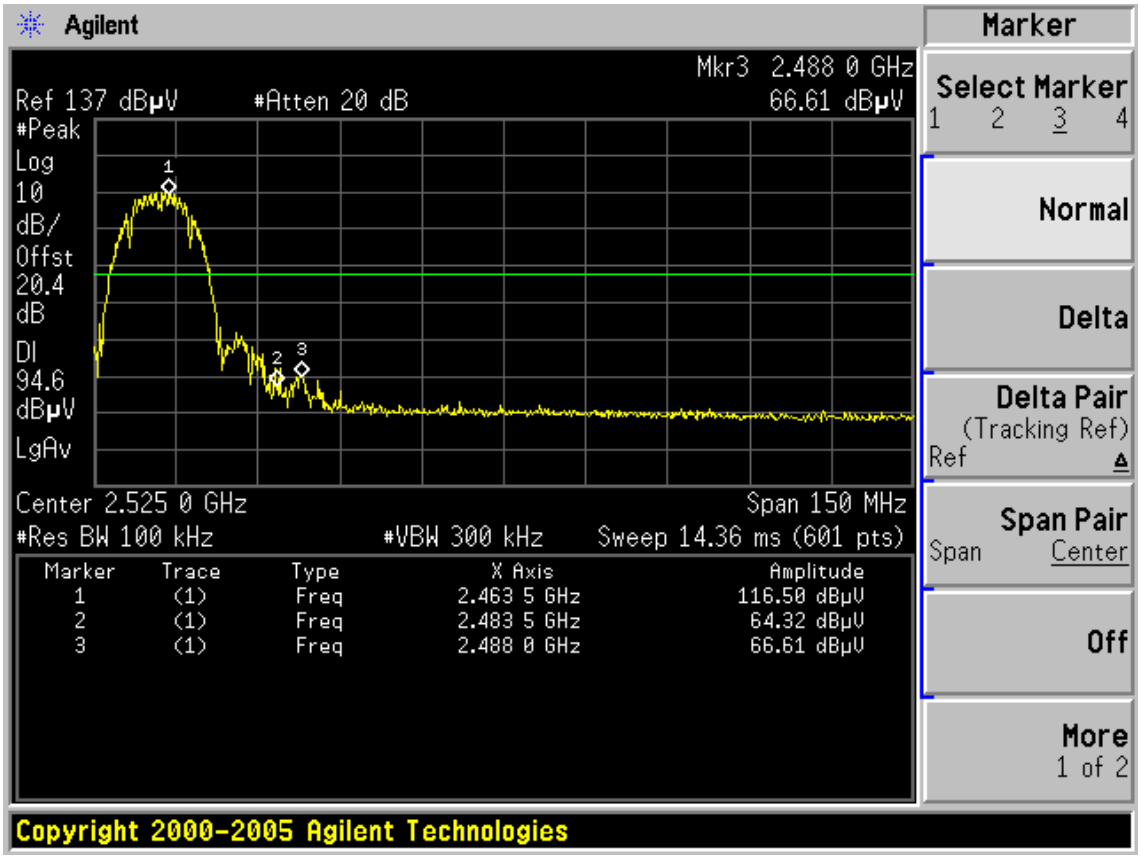
Agilent
Marker
Mkr3 2.488 0 GHz
Ref 137 dBµV
#Atten 20 dB
66.61 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
94.6
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Center 2.525 0 GHz
Span 150 MHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 14.36 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.463 5 GHz 116.50 dBµV
2 (1) Freq 2.483 5 GHz 64.32 dBµV
3 (1) Freq 2.488 0 GHz 66.61 dBµV
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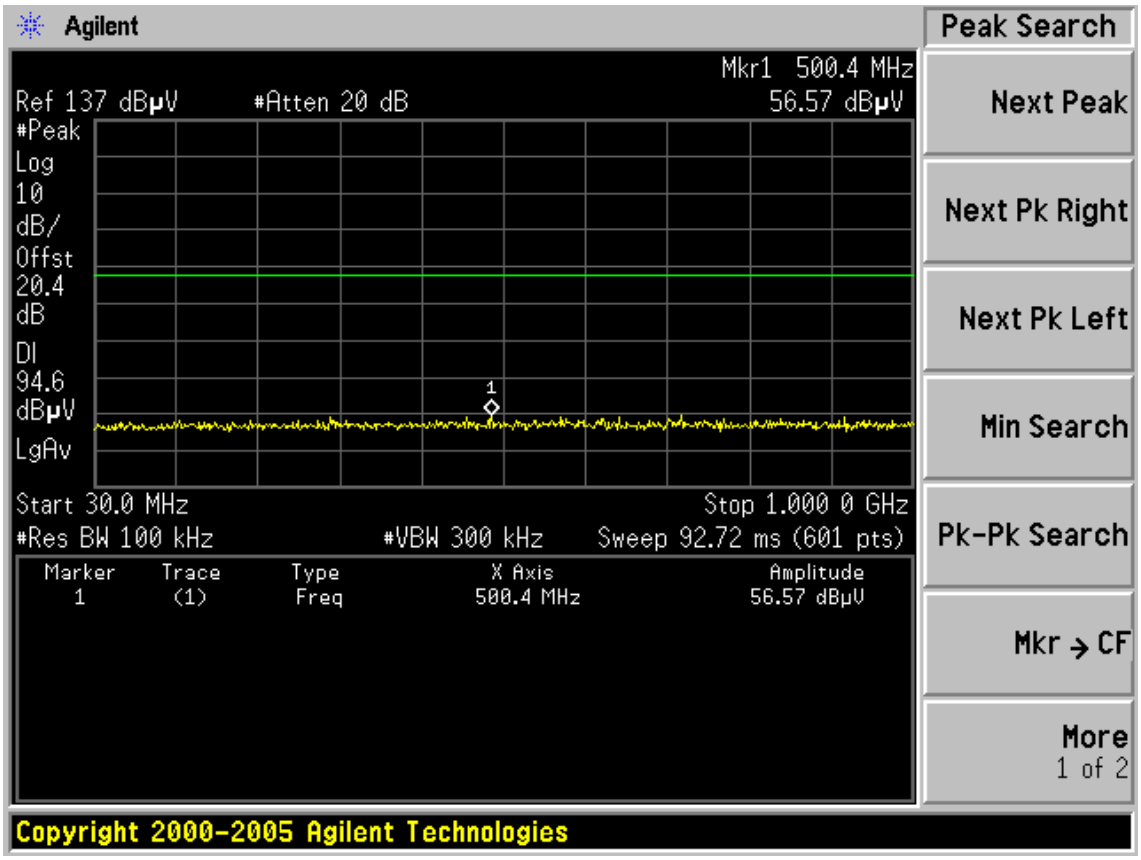
Agilent
Peak Search
Mkr1 500.4 MHz
Ref 137 dBµV
#Atten 20 dB
56.57 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
94.6
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 500.4 MHz 56.57 dBµV
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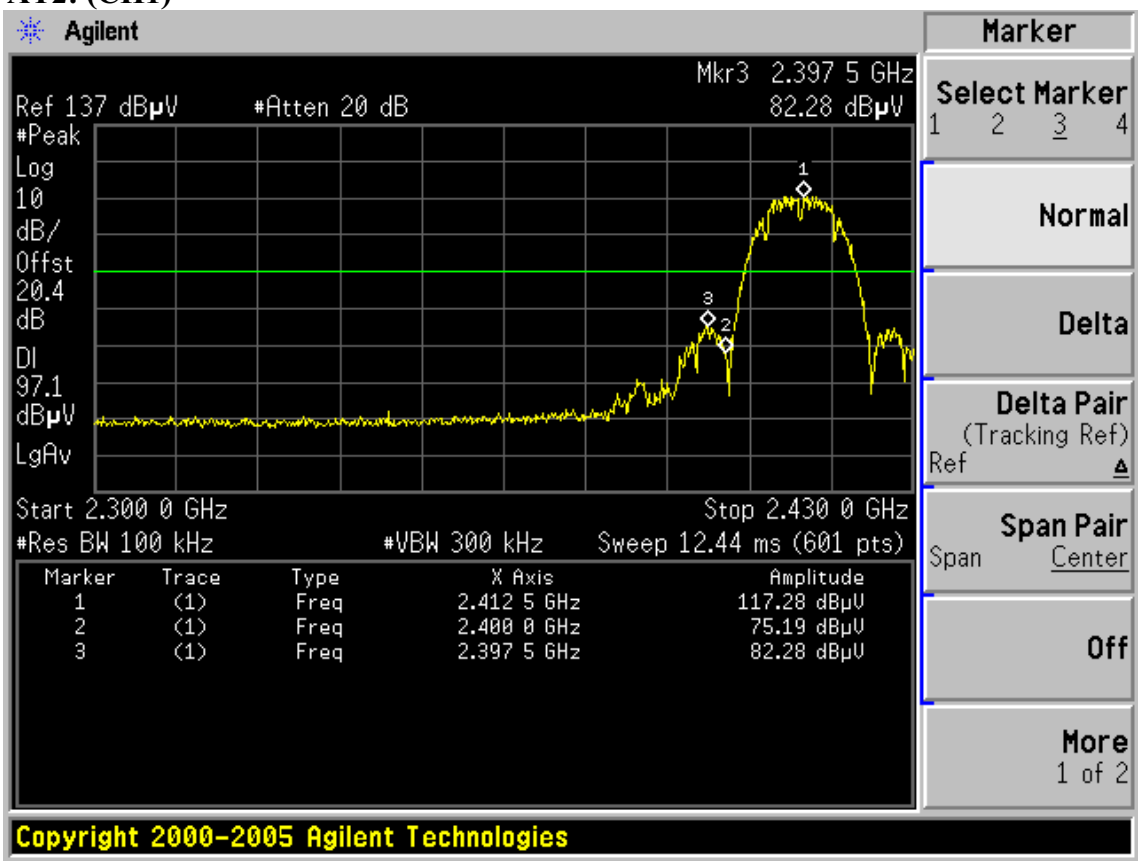
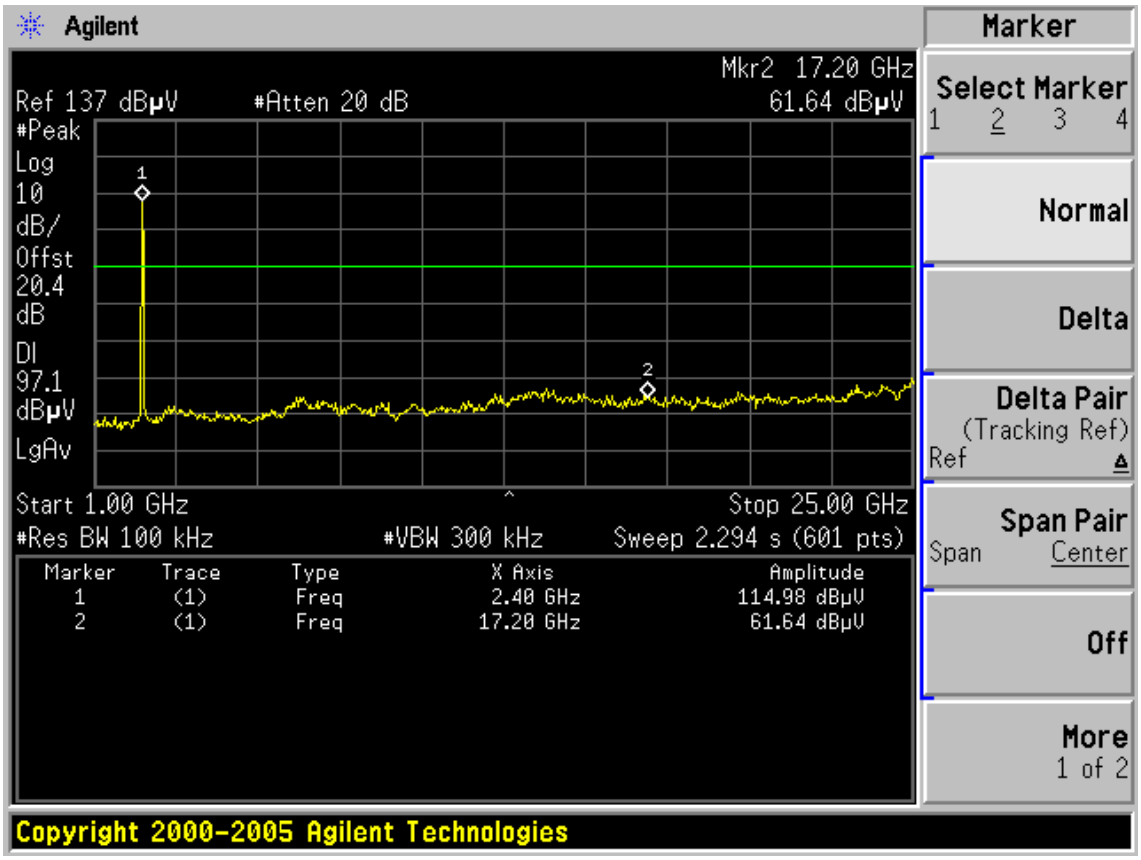
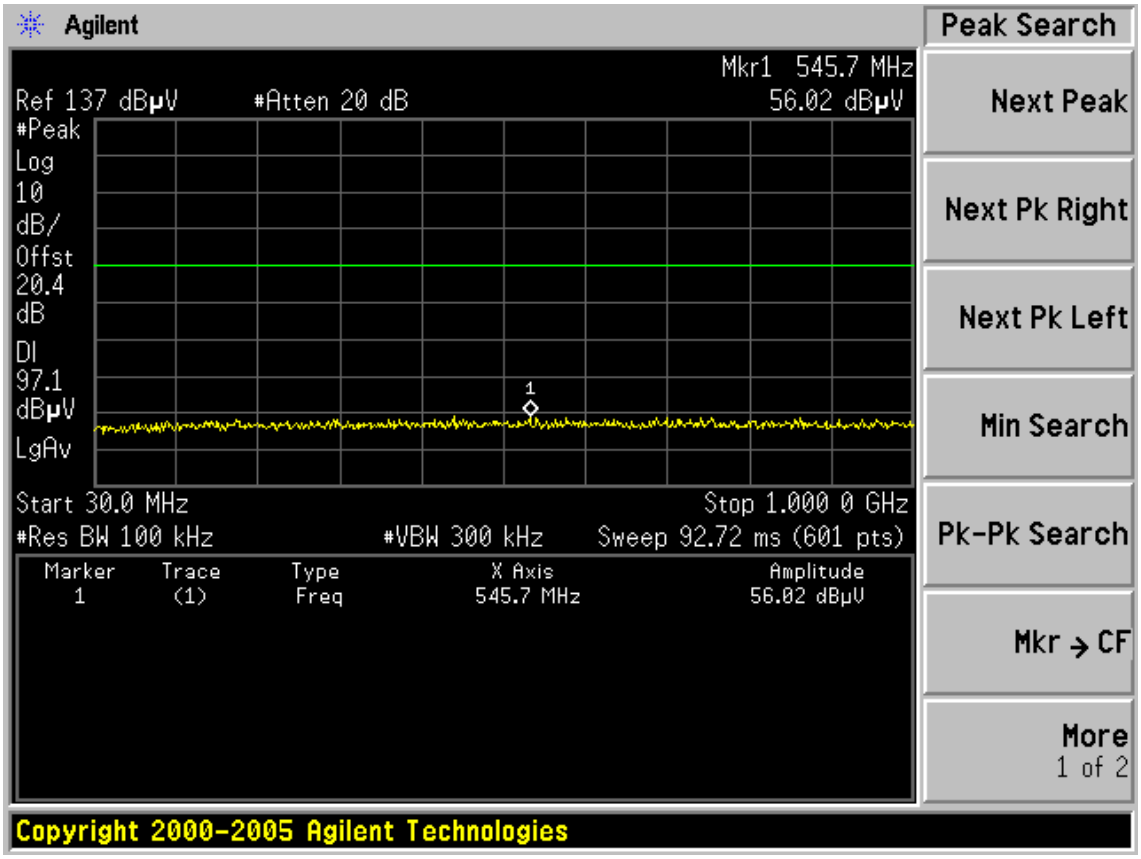
AT2: (CH1)


Agilent
Marker
Mkr3 2.397 5 GHz
Ref 137 dBµV
#Atten 20 dB
82.28 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
97.1
dBµV
LgAv
Start 2.300 0 GHz
Stop 2.430 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 12.44 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.412 5 GHz 117.28 dBµV
2 (1) Freq 2.400 0 GHz 75.19 dBµV
3 (1) Freq 2.397 5 GHz 82.28 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Marker
Mkr2 17.20 GHz
Ref 137 dBµV
#Atten 20 dB
61.64 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
97.1
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.40 GHz 114.98 dBµV
2 (1) Freq 17.20 GHz 61.64 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 545.7 MHz
Ref 137 dBµV
#Atten 20 dB
56.02 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
97.1
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 545.7 MHz 56.02 dBµV
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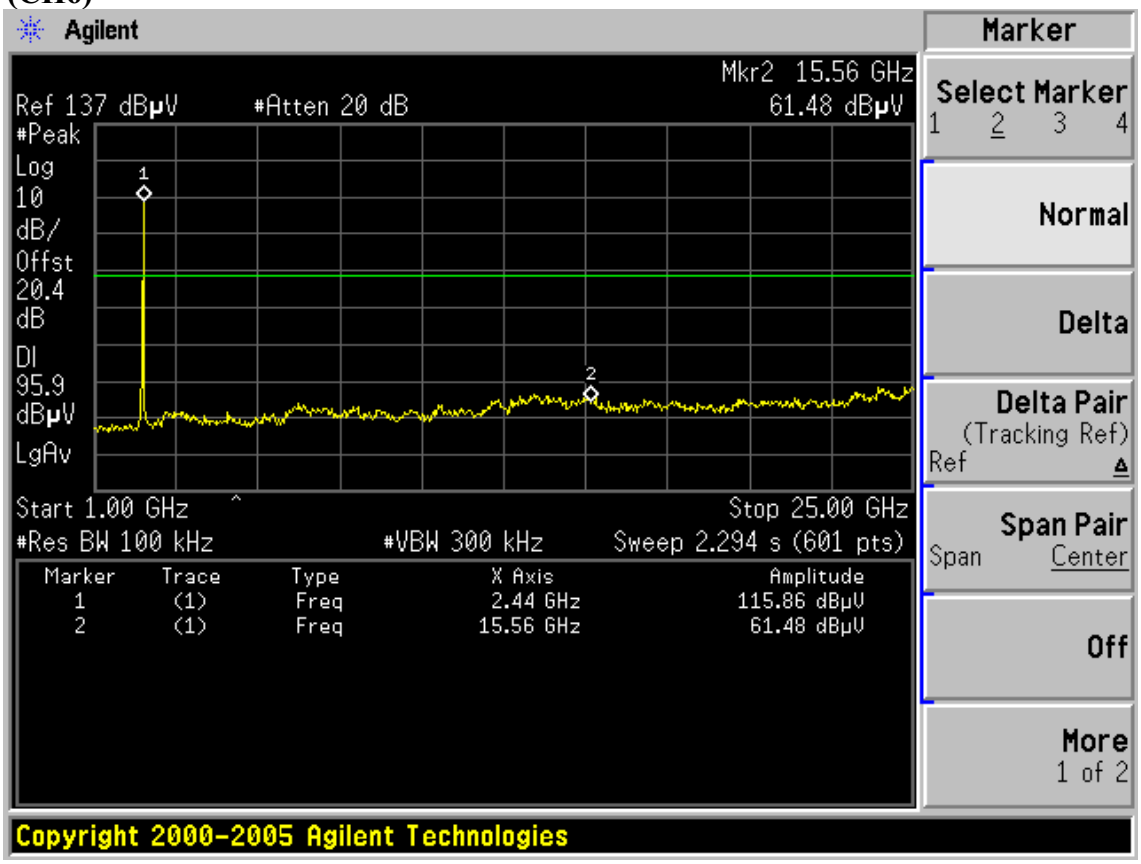
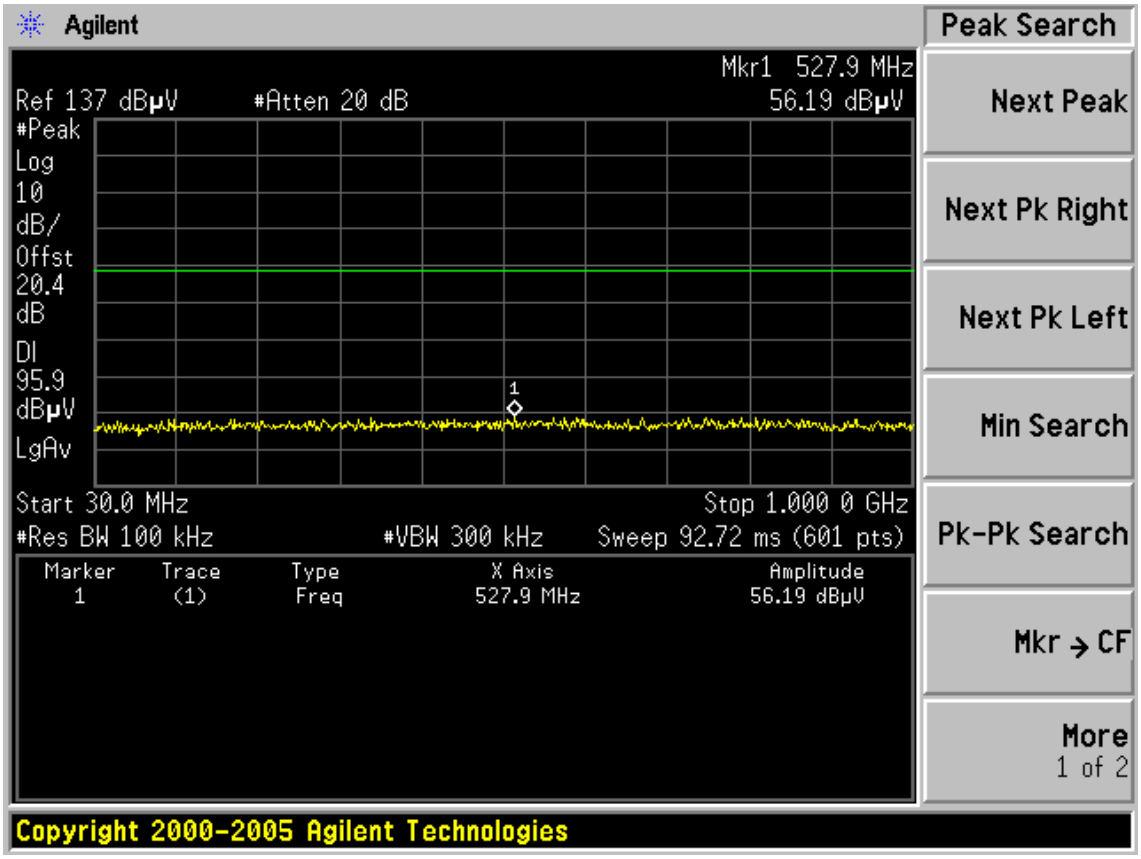
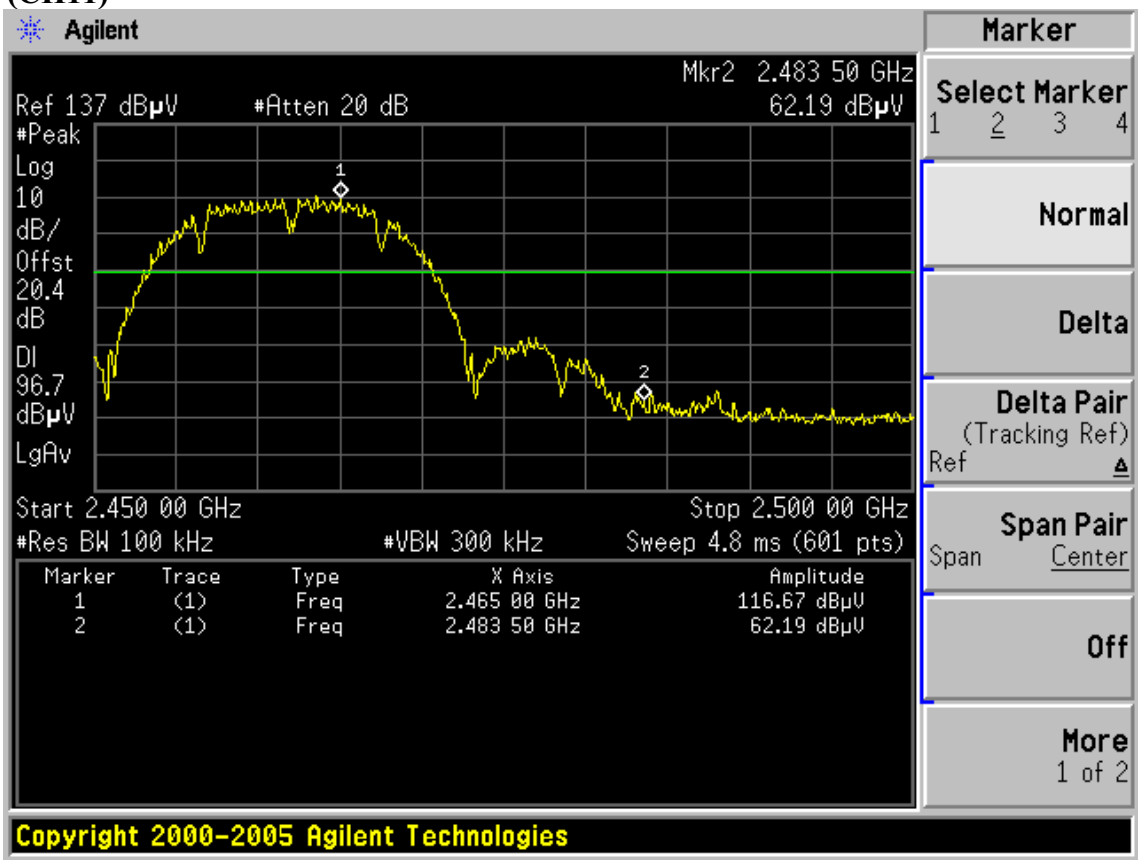
(CH6)


Agilent
Marker
Mkr2 15.56 GHz
Ref 137 dBµV
#Atten 20 dB
61.48 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
95.9
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 115.86 dBµV
2 (1) Freq 15.56 GHz 61.48 dBµV
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 527.9 MHz
Ref 137 dBµV
#Atten 20 dB
56.19 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
95.9
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 527.9 MHz 56.19 dBµV
Copyright 2000-2005 Agilent Technologies

(CH11)


Agilent
Marker
Mkr2 2.483 50 GHz
Ref 137 dBµV
#Atten 20 dB
62.19 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.7
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.450 00 GHz
Stop 2.500 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 4.8 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.465 00 GHz 116.67 dBµV
2 (1) Freq 2.483 50 GHz 62.19 dBµV
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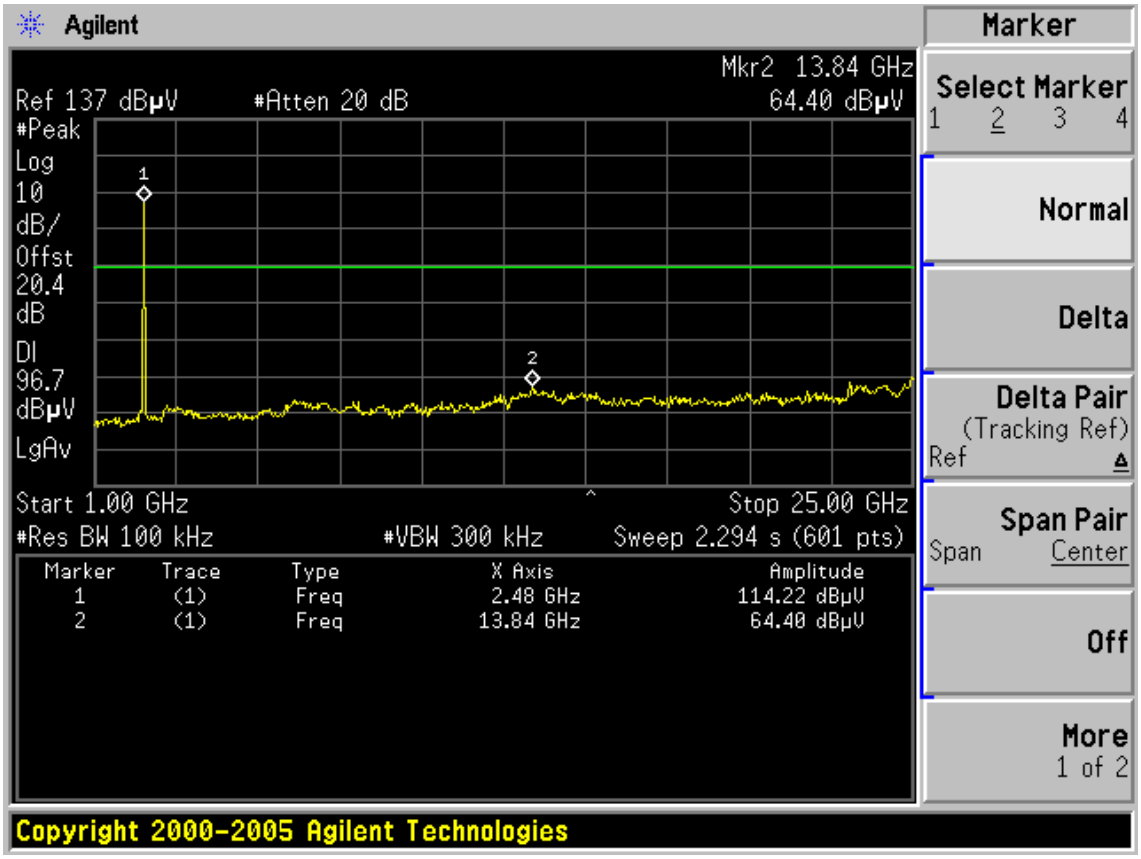
Agilent
Marker
Mkr2 13.84 GHz
Ref 137 dBµV
#Atten 20 dB
64.40 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.7
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.48 GHz 114.22 dBµV
2 (1) Freq 13.84 GHz 64.40 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
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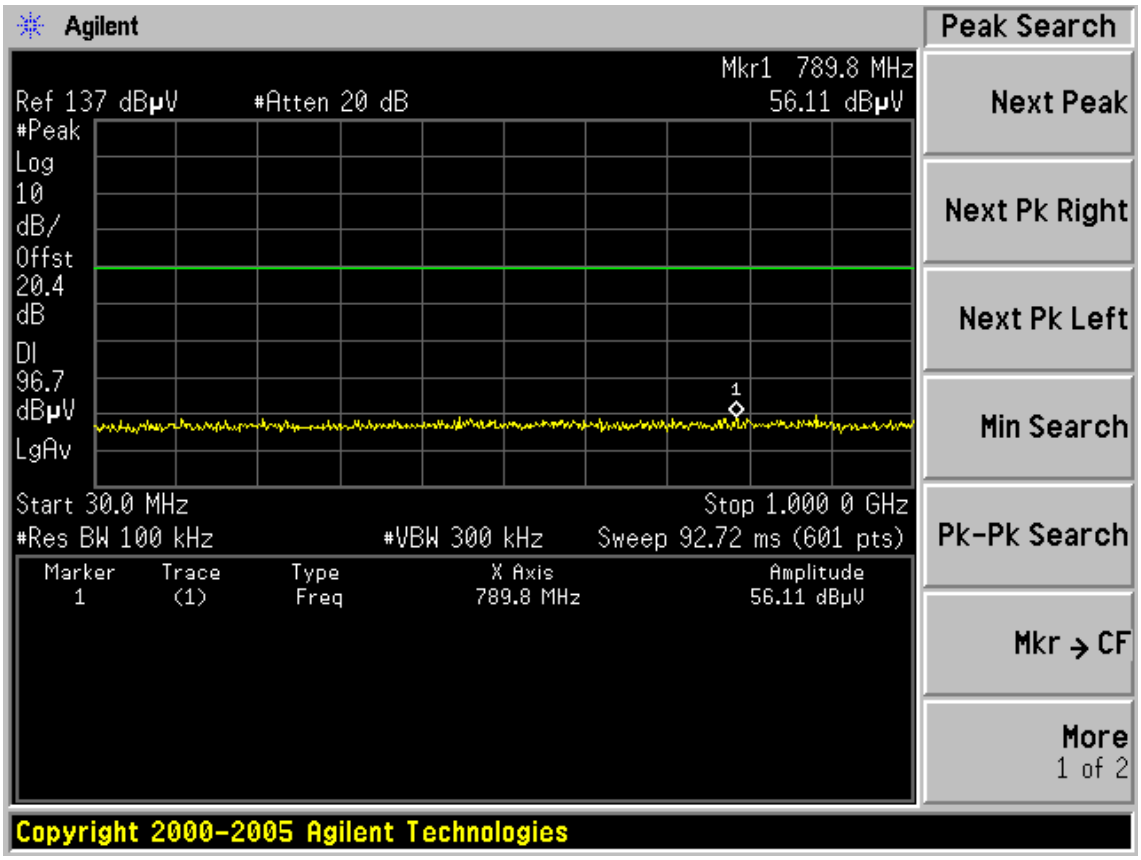
Agilent
Peak Search
Mkr1 789.8 MHz
Ref 137 dBµV
#Atten 20 dB
56.11 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.7
dBµV
LgAv
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 789.8 MHz 56.11 dBµV
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
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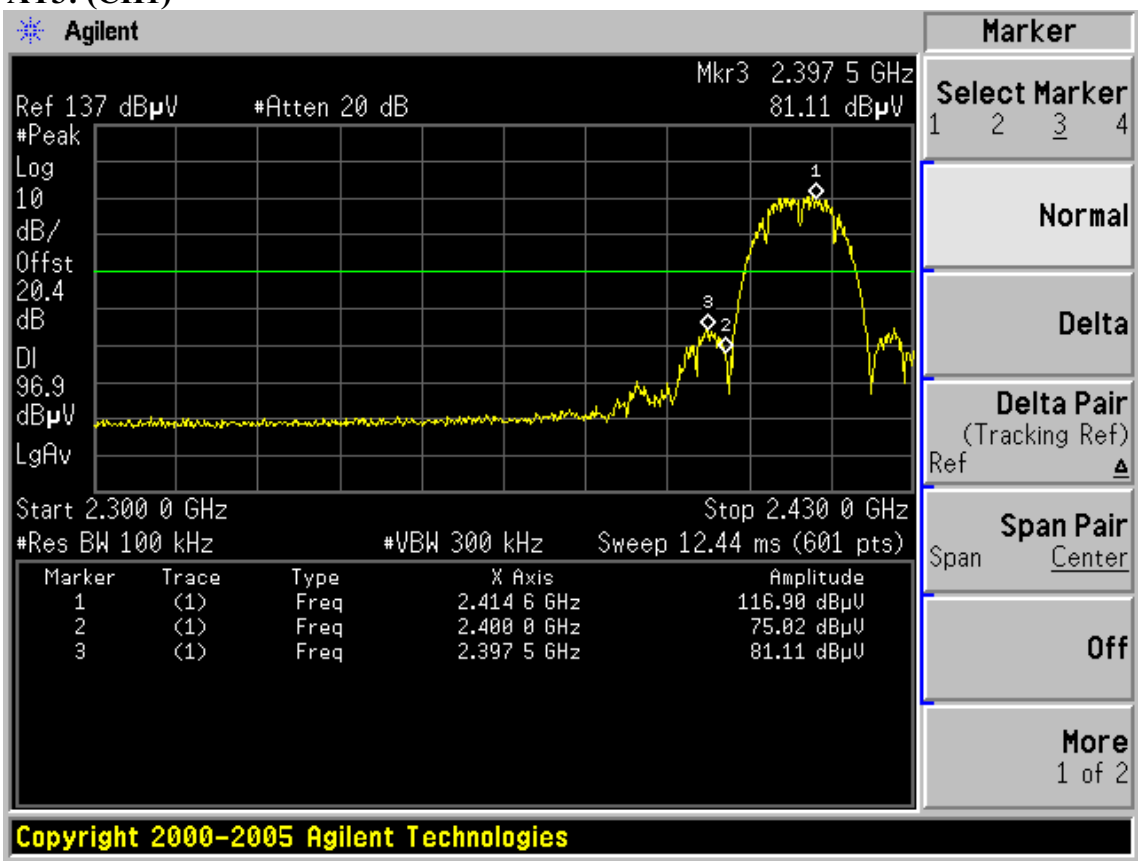
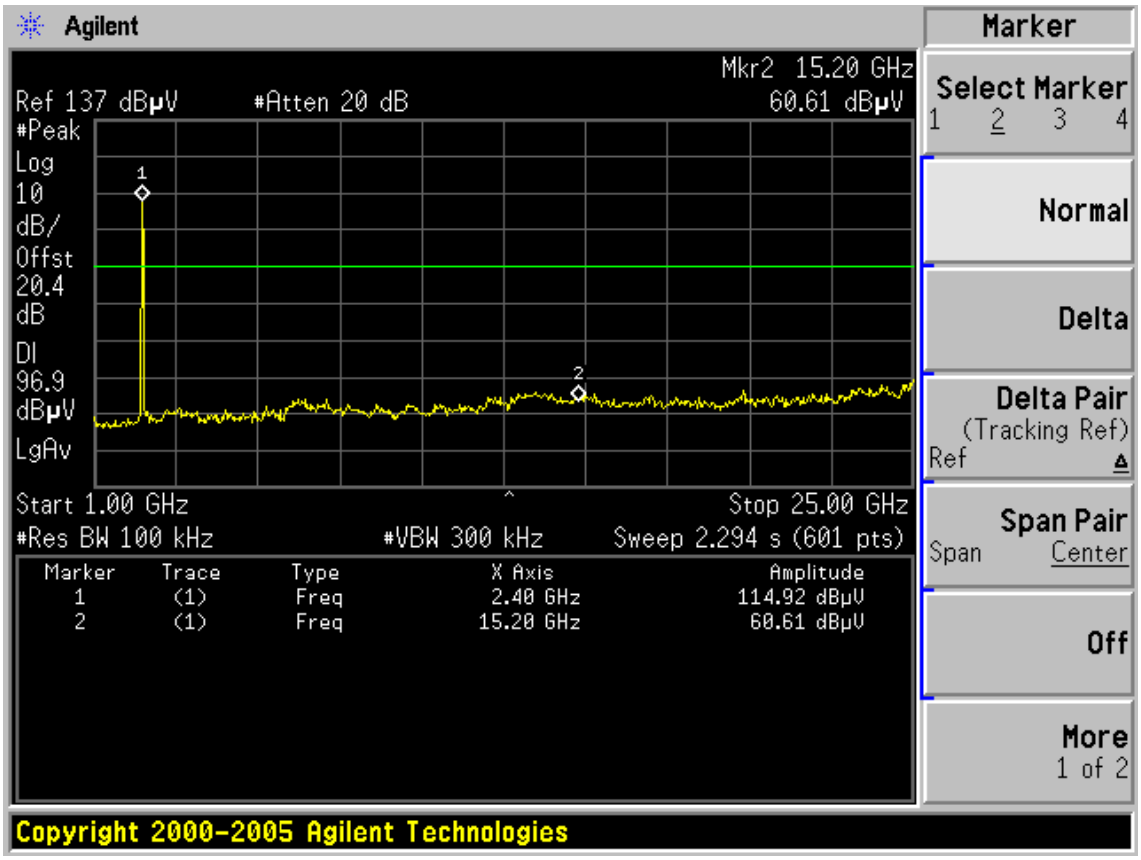
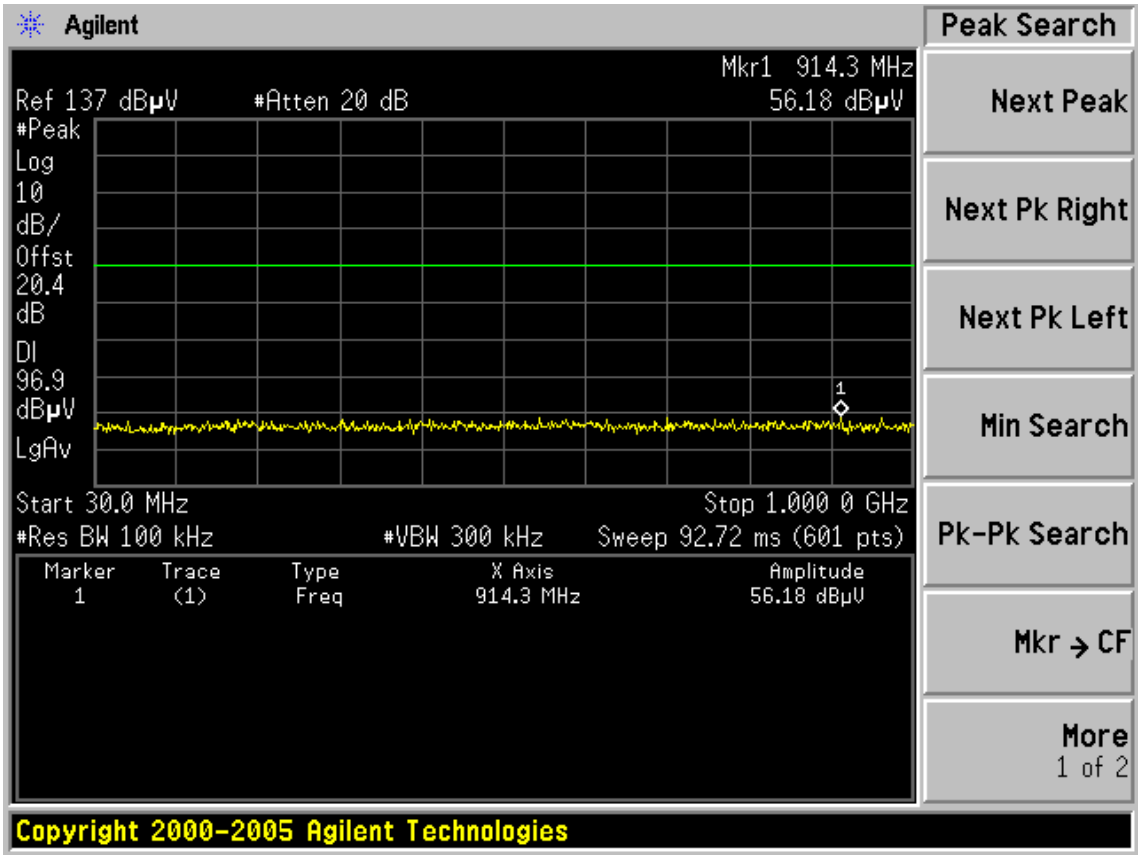
AT3: (CH1)


Agilent
Marker
Mkr3 2.397 5 GHz
Ref 137 dBµV
#Atten 20 dB
81.11 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.9
dBµV
LgAv
Start 2.300 0 GHz
Stop 2.430 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 12.44 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.414 6 GHz 116.90 dBµV
2 (1) Freq 2.400 0 GHz 75.82 dBµV
3 (1) Freq 2.397 5 GHz 81.11 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Marker
Mkr2 15.20 GHz
Ref 137 dBµV
#Atten 20 dB
60.61 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.9
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.40 GHz 114.92 dBµV
2 (1) Freq 15.20 GHz 60.61 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 914.3 MHz
Ref 137 dBµV
#Atten 20 dB
56.18 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.9
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 914.3 MHz 56.18 dBµV
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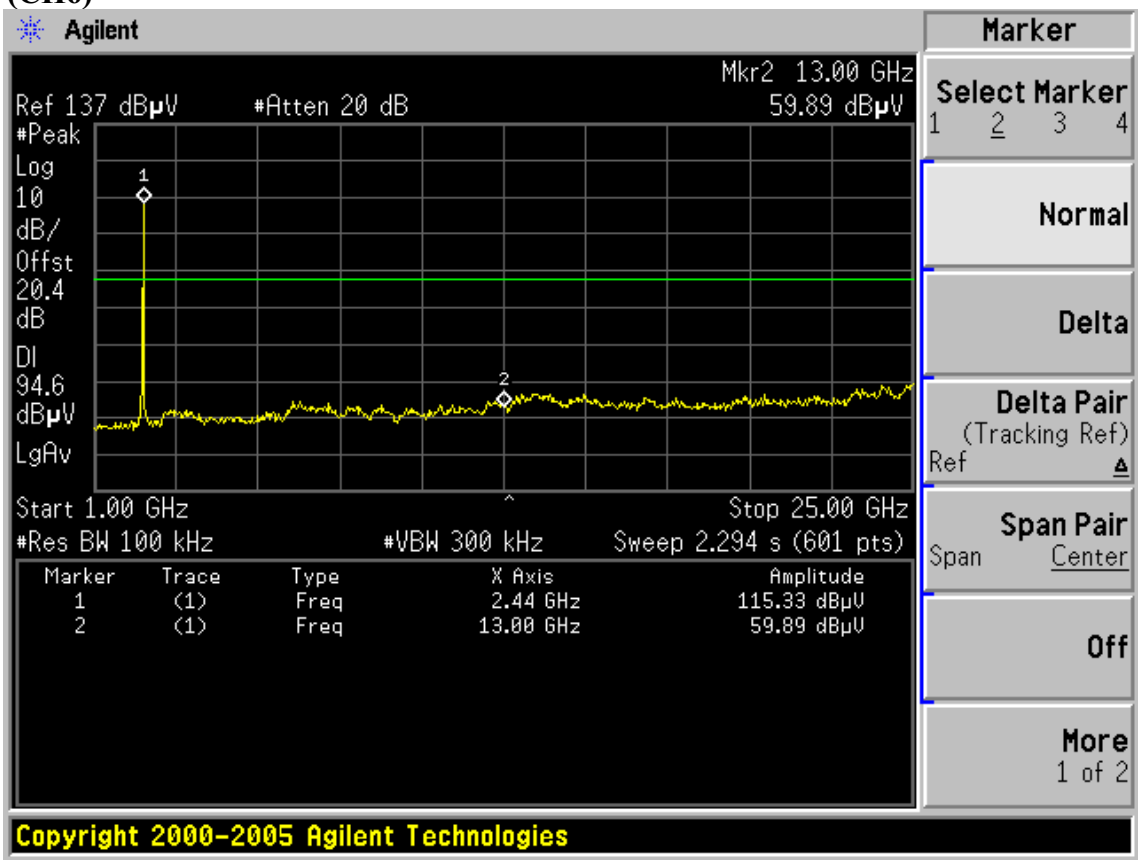
(CH6)


Agilent
Marker
Mkr2 13.00 GHz
Ref 137 dBµV
#Atten 20 dB
59.89 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
94.6
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 115.33 dBµV
2 (1) Freq 13.00 GHz 59.89 dBµV
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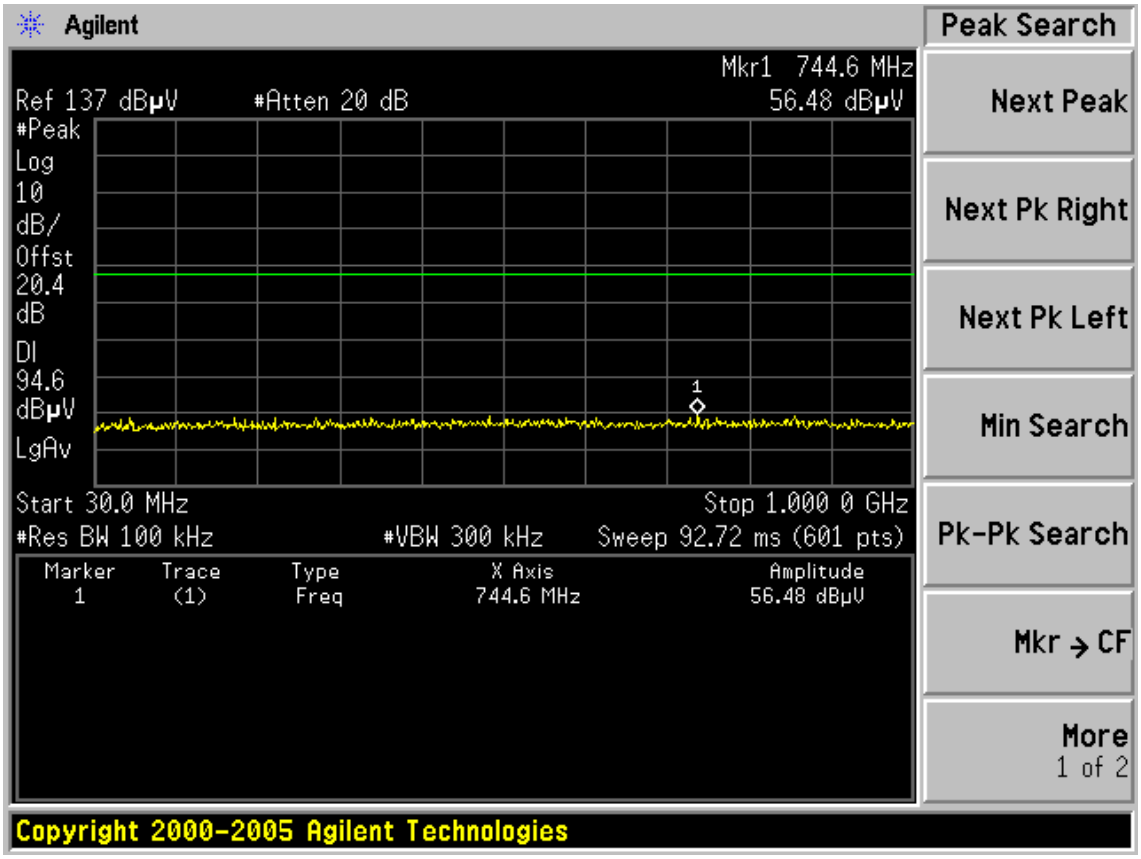
Agilent
Peak Search
Mkr1 744.6 MHz
Ref 137 dBµV
#Atten 20 dB
56.48 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
94.6
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 744.6 MHz 56.48 dBµV
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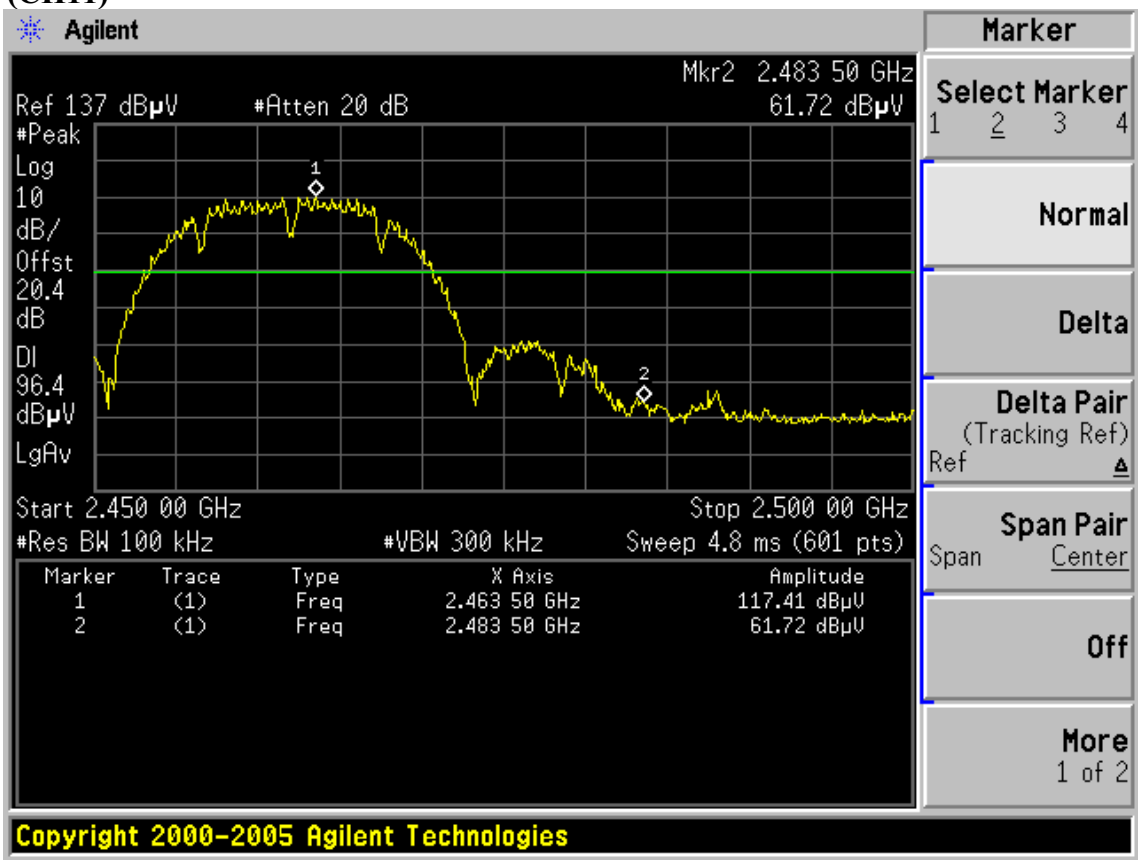
(CH11)


Agilent
Marker
Mkr2 2.483 50 GHz
Ref 137 dBµV
#Atten 20 dB
61.72 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.4
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.450 00 GHz
Stop 2.500 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 4.8 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.463 50 GHz 117.41 dBµV
2 (1) Freq 2.483 50 GHz 61.72 dBµV
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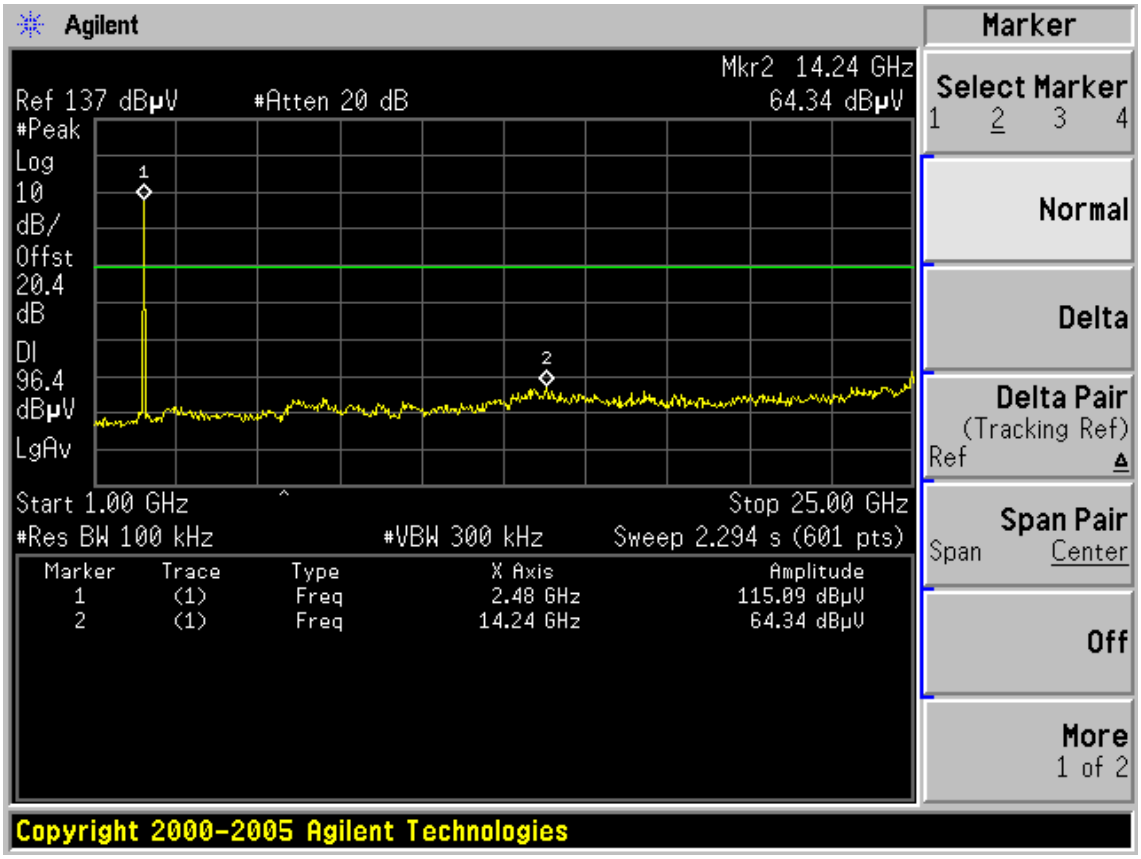
Agilent
Marker
Mkr2 14.24 GHz
Ref 137 dBµV
#Atten 20 dB
64.34 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.4
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.48 GHz 115.09 dBµV
2 (1) Freq 14.24 GHz 64.34 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
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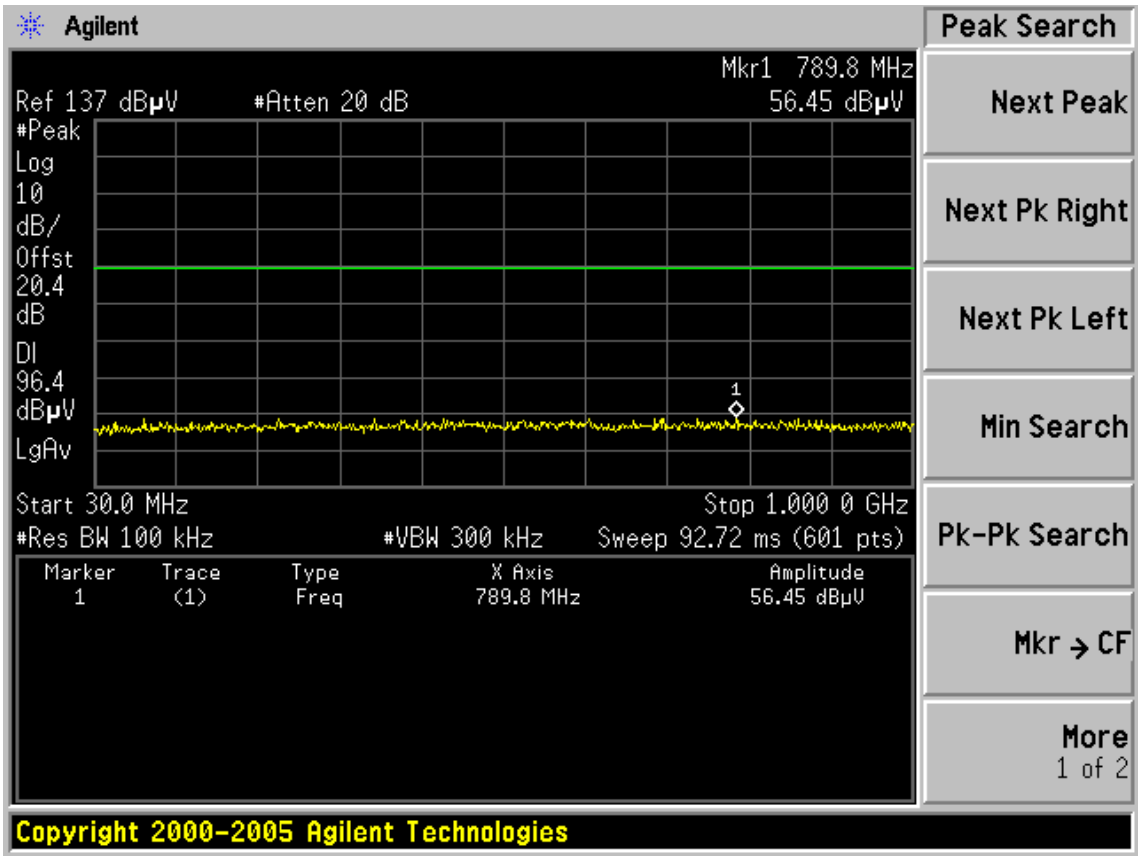
Agilent
Peak Search
Mkr1 789.8 MHz
Ref 137 dBµV
#Atten 20 dB
56.45 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.4
dBµV
LgAv
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 789.8 MHz 56.45 dBµV
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
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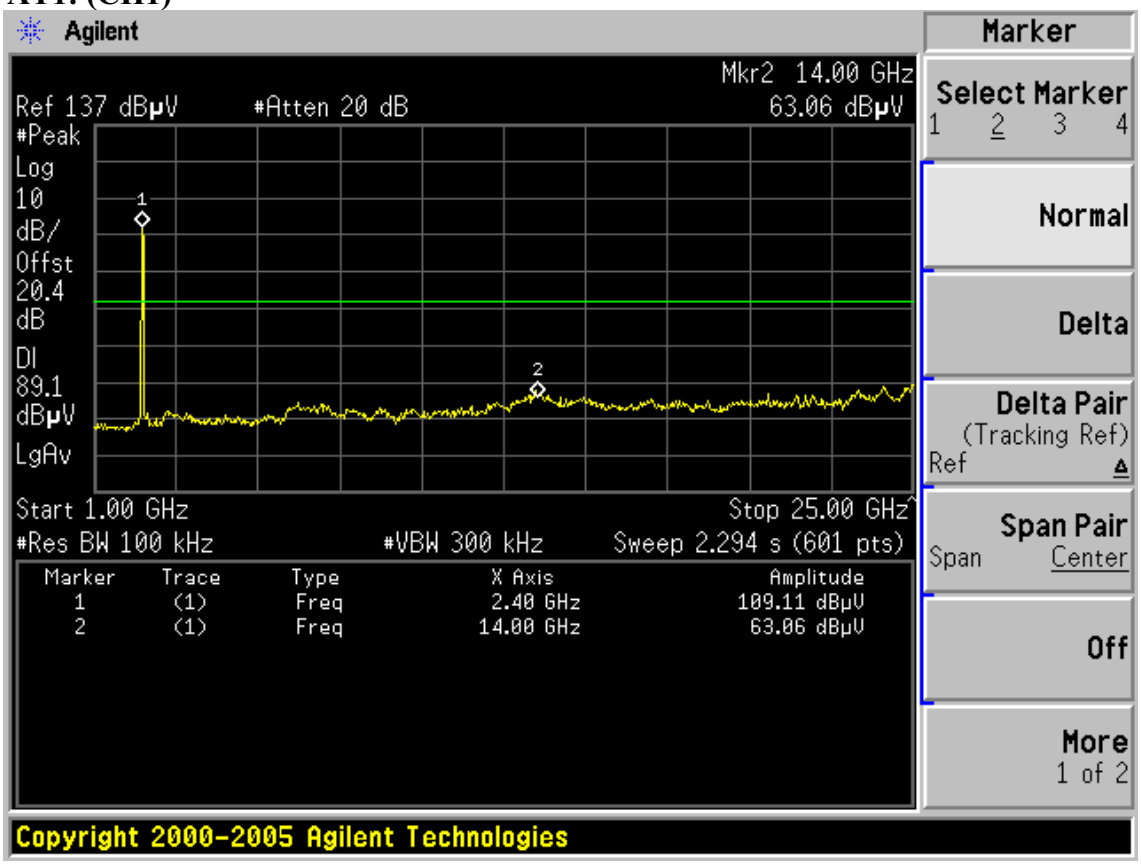
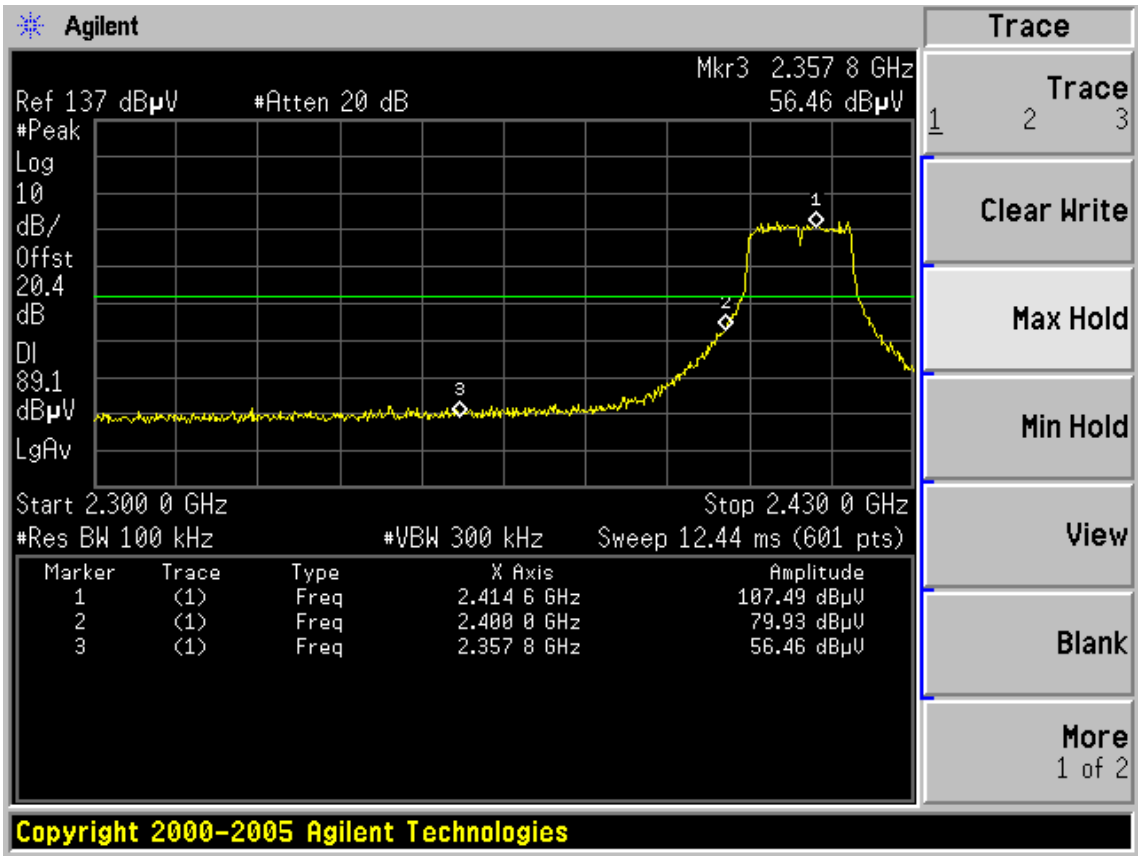
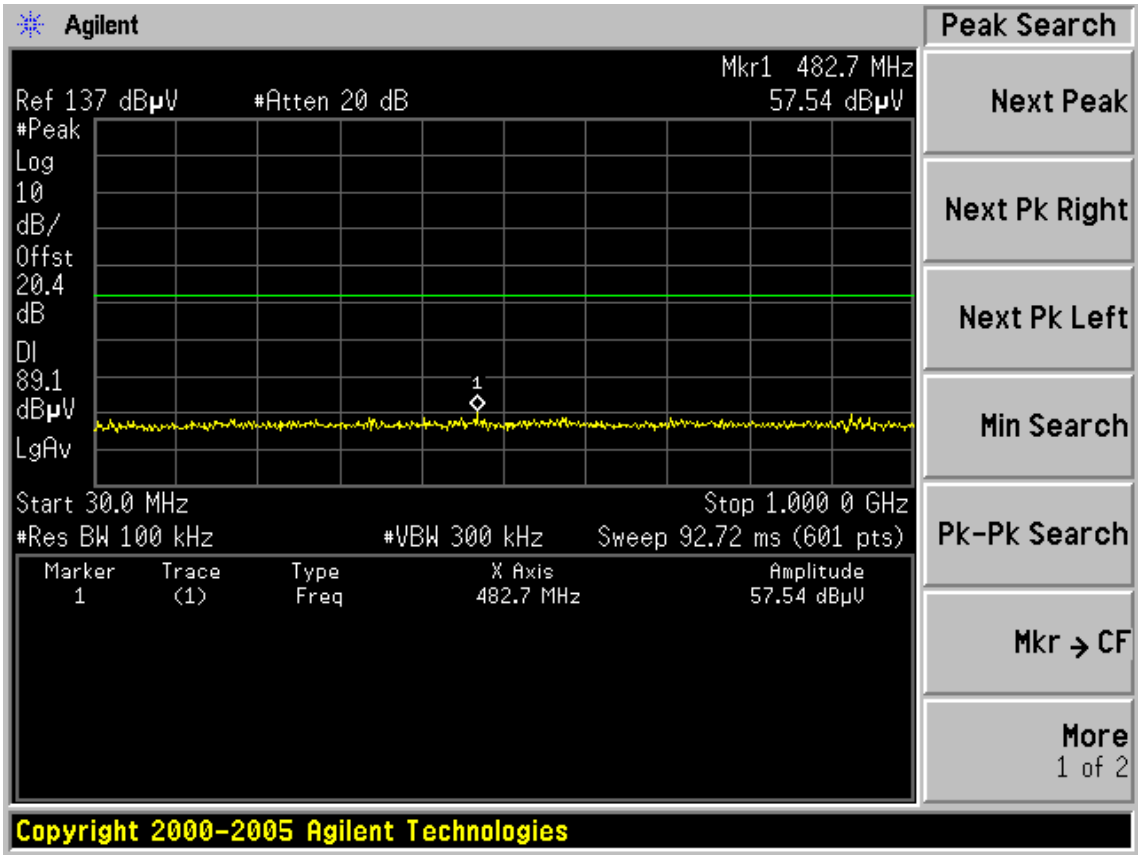
Test Mode: IEEE 802.11g TX
AT1: (CH1)






Agilent
Peak Search
Mkr1 482.7 MHz
Ref 137 dBµV
#Atten 20 dB
57.54 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
89.1
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 482.7 MHz 57.54 dBµV
Mkr → CF
More
1 of 2
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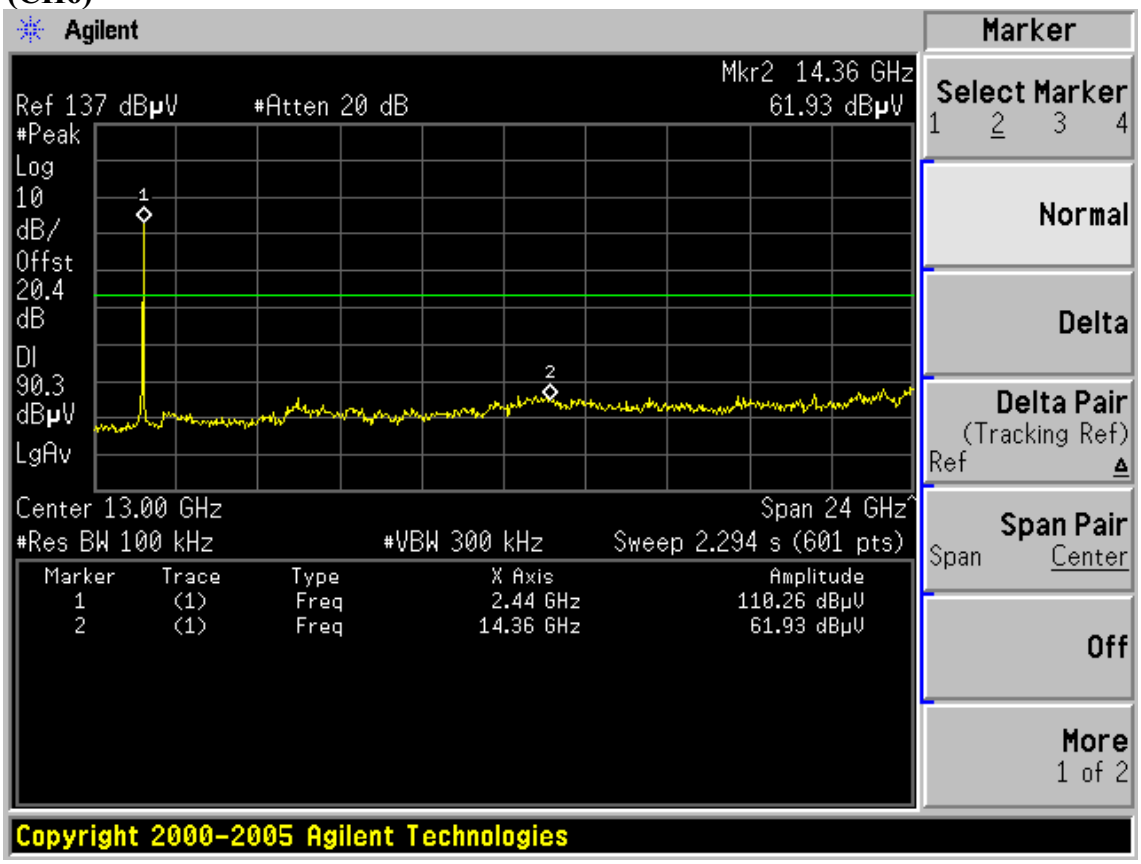
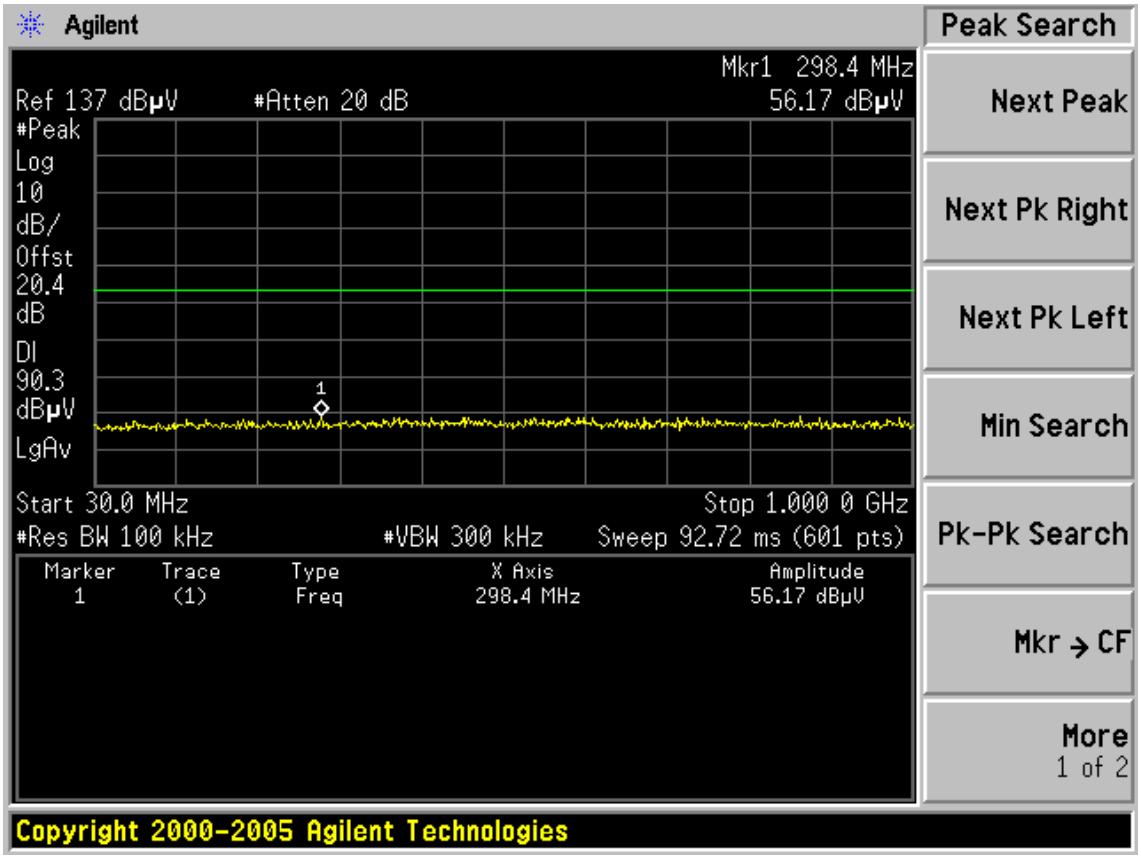
(CH6)


Agilent
Marker
Mkr2 14.36 GHz
Ref 137 dBµV
#Atten 20 dB
61.93 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.3
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Center 13.00 GHz
Span 24 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Span Pair
Span Center
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 110.26 dBµV
2 (1) Freq 14.36 GHz 61.93 dBµV
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 298.4 MHz
Ref 137 dBµV
#Atten 20 dB
56.17 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.3
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 298.4 MHz 56.17 dBµV
Mkr → CF
More
1 of 2
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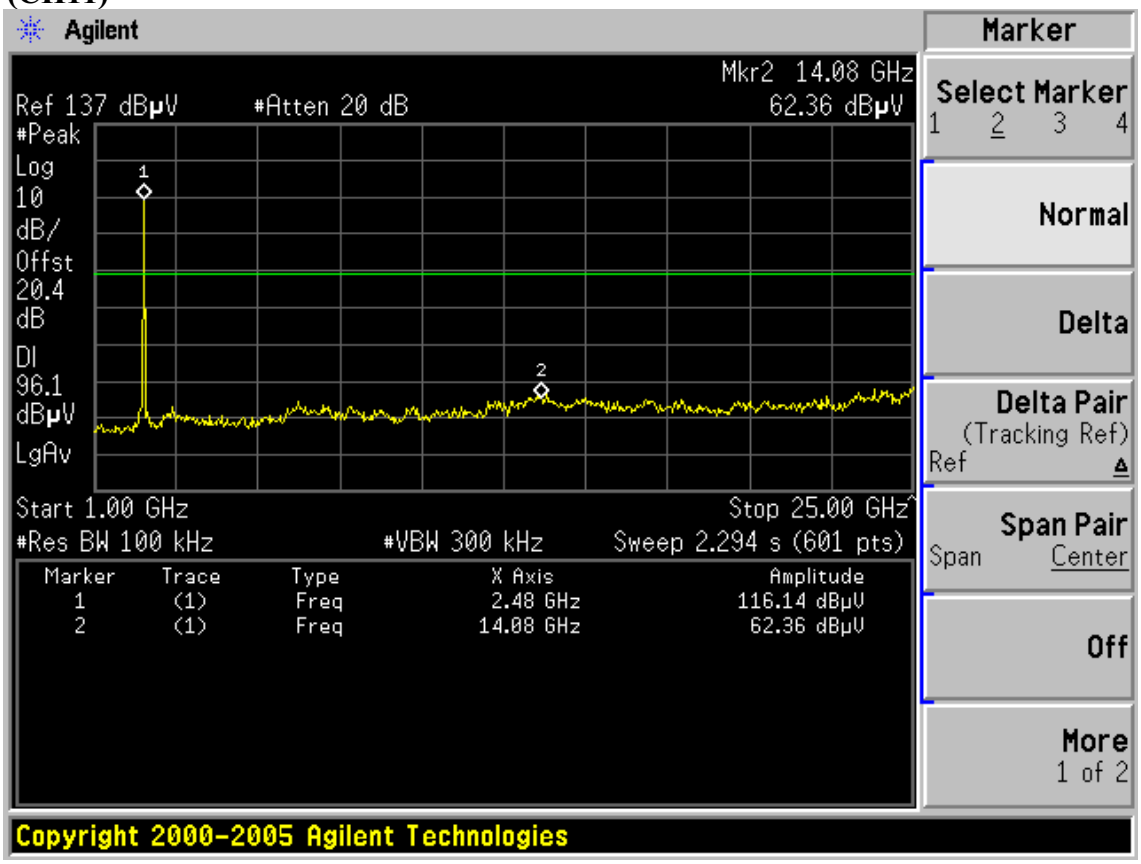
(CH11)


Agilent
Marker
Mkr2 14.08 GHz
Ref 137 dBµV
#Atten 20 dB
62.36 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.1
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Span Pair
Span Center
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.48 GHz 116.14 dBµV
2 (1) Freq 14.08 GHz 62.36 dBµV
Off
More
1 of 2
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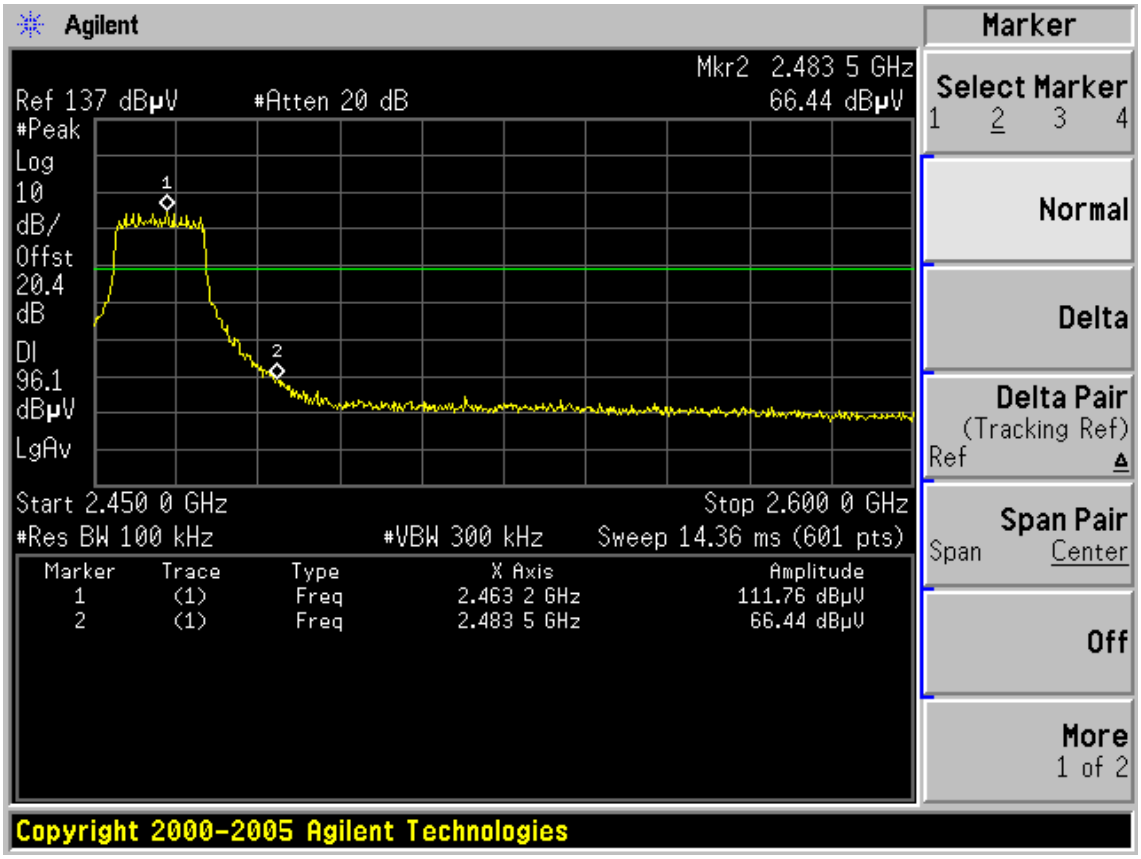
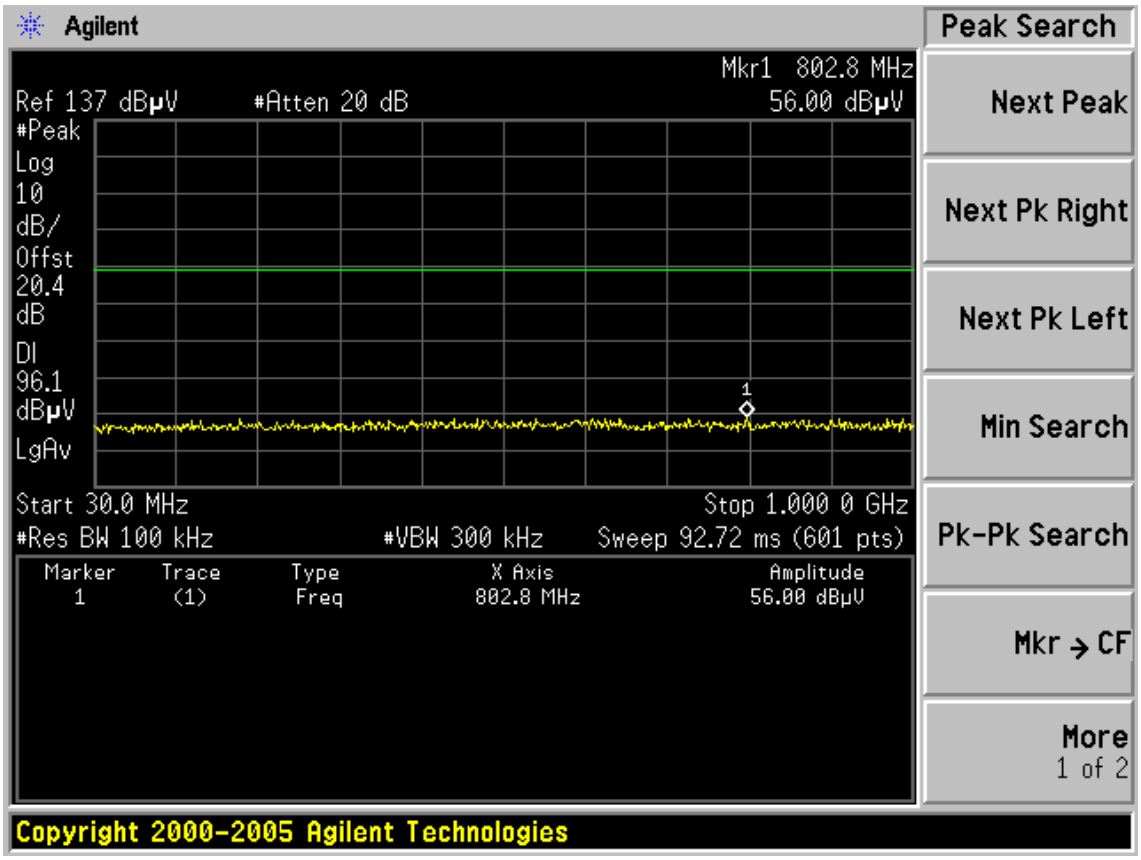

Agilent
Marker
Mkr2 2.483 5 GHz
Ref 137 dBµV
#Atten 20 dB
66.44 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.1
dBµV
LgAv
Start 2.450 0 GHz
Stop 2.600 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 14.36 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.463 2 GHz 111.76 dBµV
2 (1) Freq 2.483 5 GHz 66.44 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 802.8 MHz
Ref 137 dBµV
#Atten 20 dB
56.00 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.1
dBµV
LgAv
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 802.8 MHz 56.00 dBµV
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
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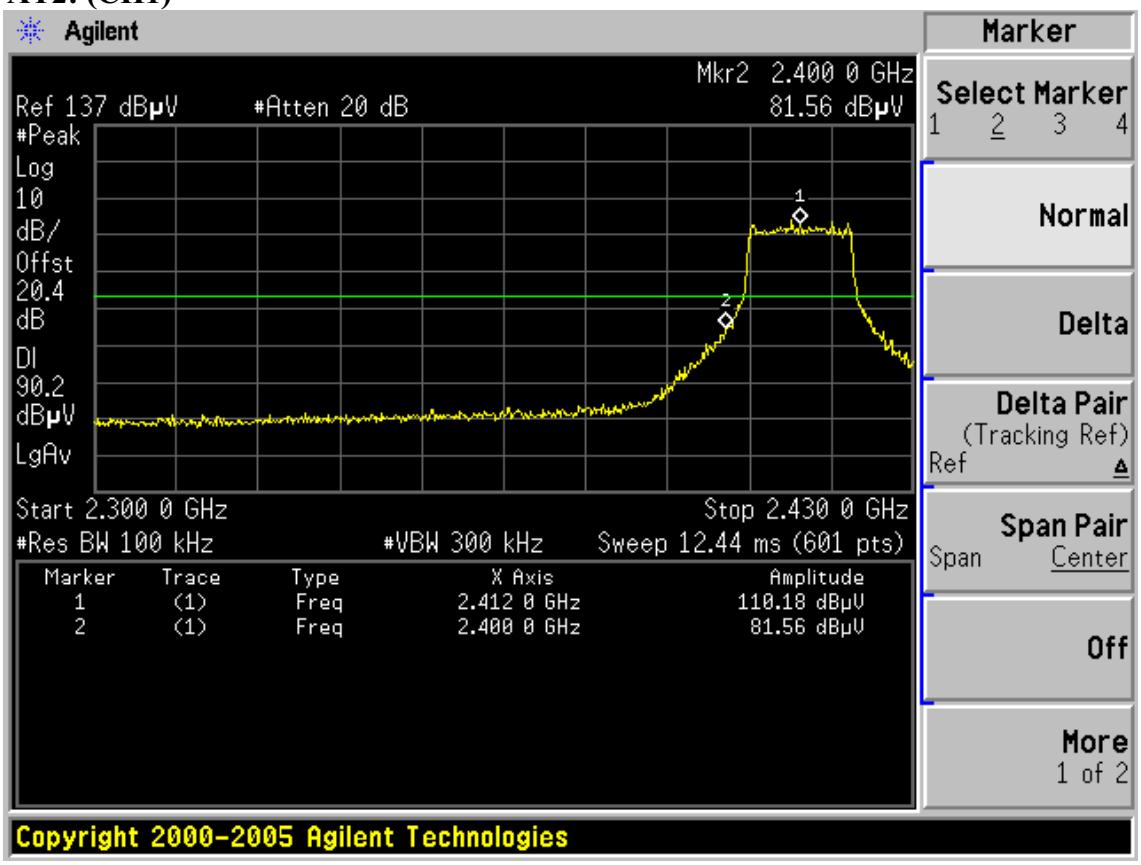
AT2: (CH1)


Agilent
Marker
Mkr2 2.400 0 GHz
Ref 137 dBµV
#Atten 20 dB
81.56 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.2
dBµV
LgAv
Start 2.300 0 GHz
Stop 2.430 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 12.44 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.412 0 GHz 110.18 dBµV
2 (1) Freq 2.400 0 GHz 81.56 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
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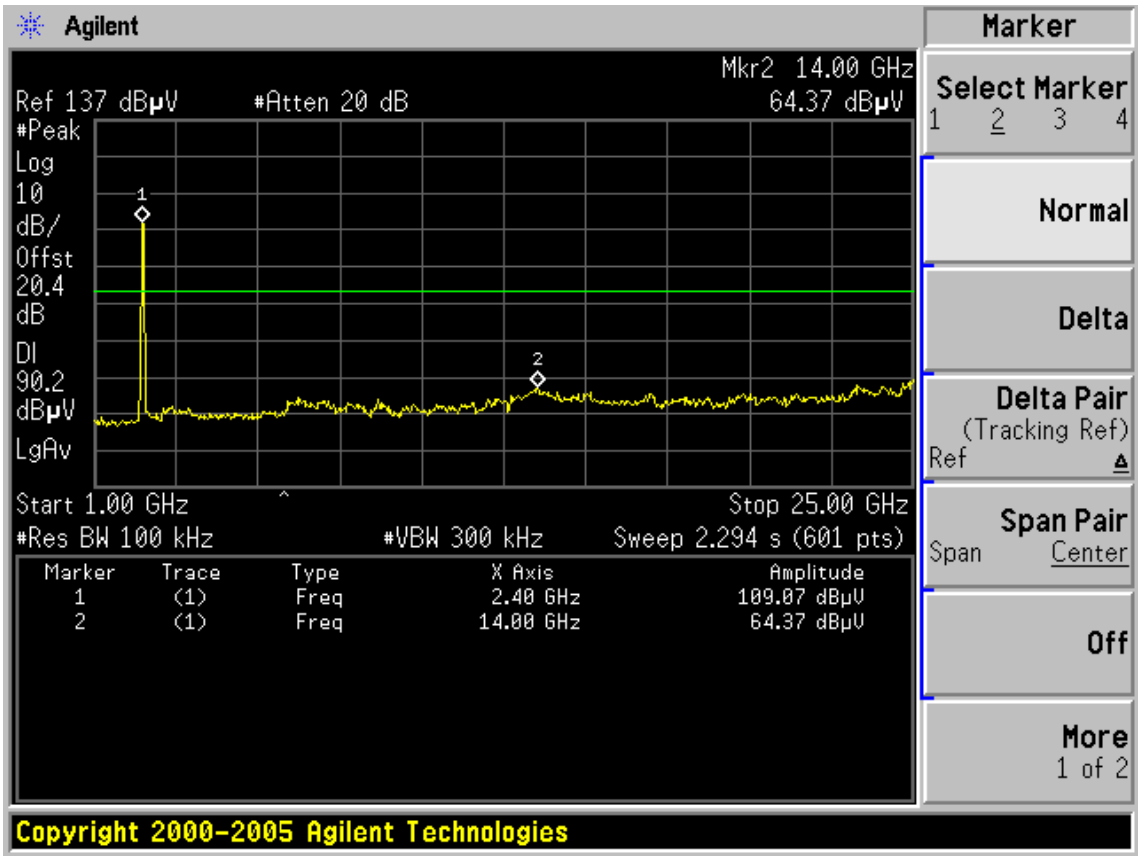
Agilent
Marker
Mkr2 14.00 GHz
Ref 137 dBµV
#Atten 20 dB
64.37 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.2
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.40 GHz 109.07 dBµV
2 (1) Freq 14.00 GHz 64.37 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
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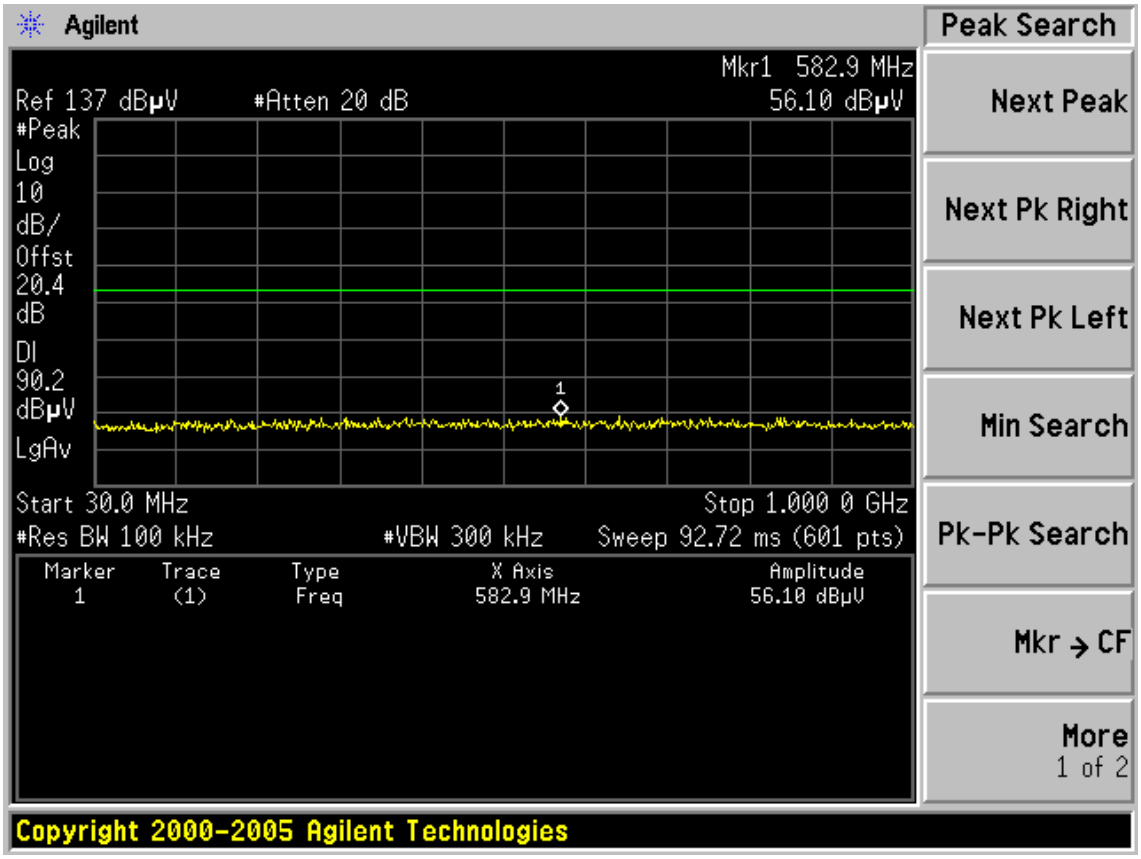
Agilent
Peak Search
Mkr1 582.9 MHz
Ref 137 dBµV
#Atten 20 dB
56.10 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.2
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 582.9 MHz 56.10 dBµV
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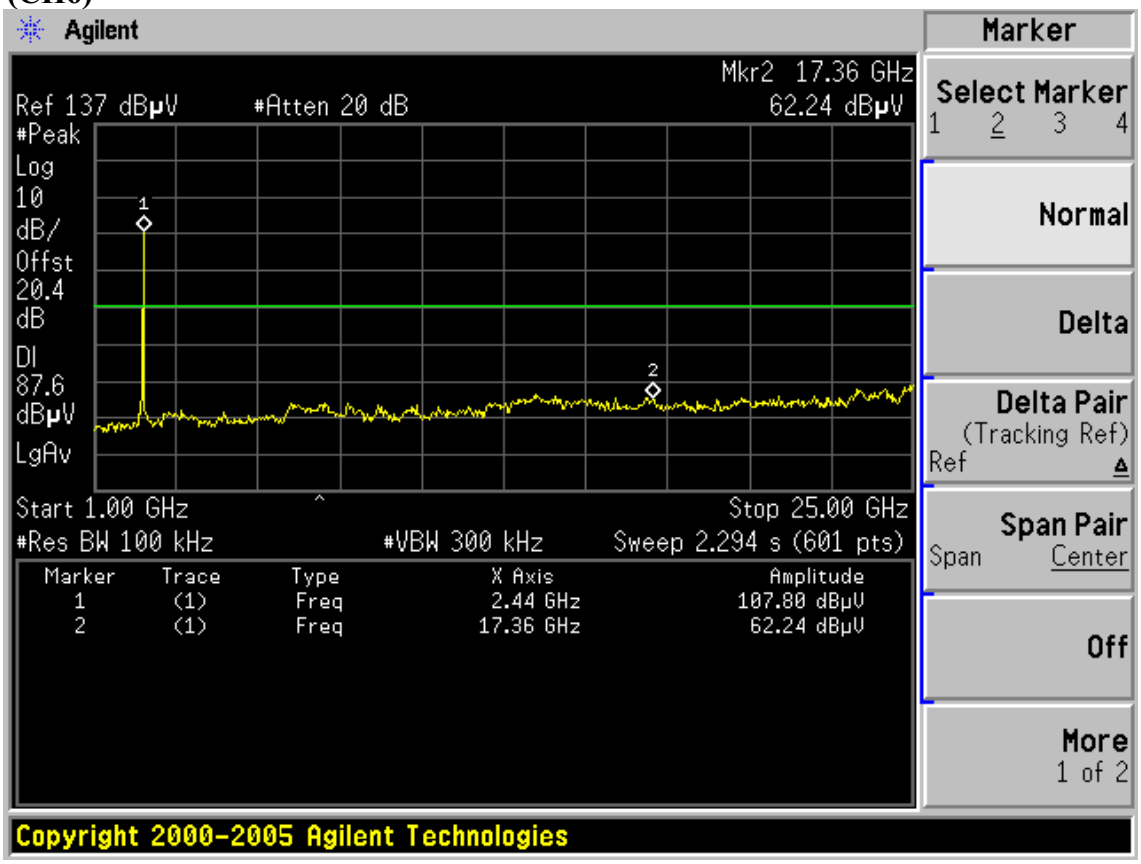
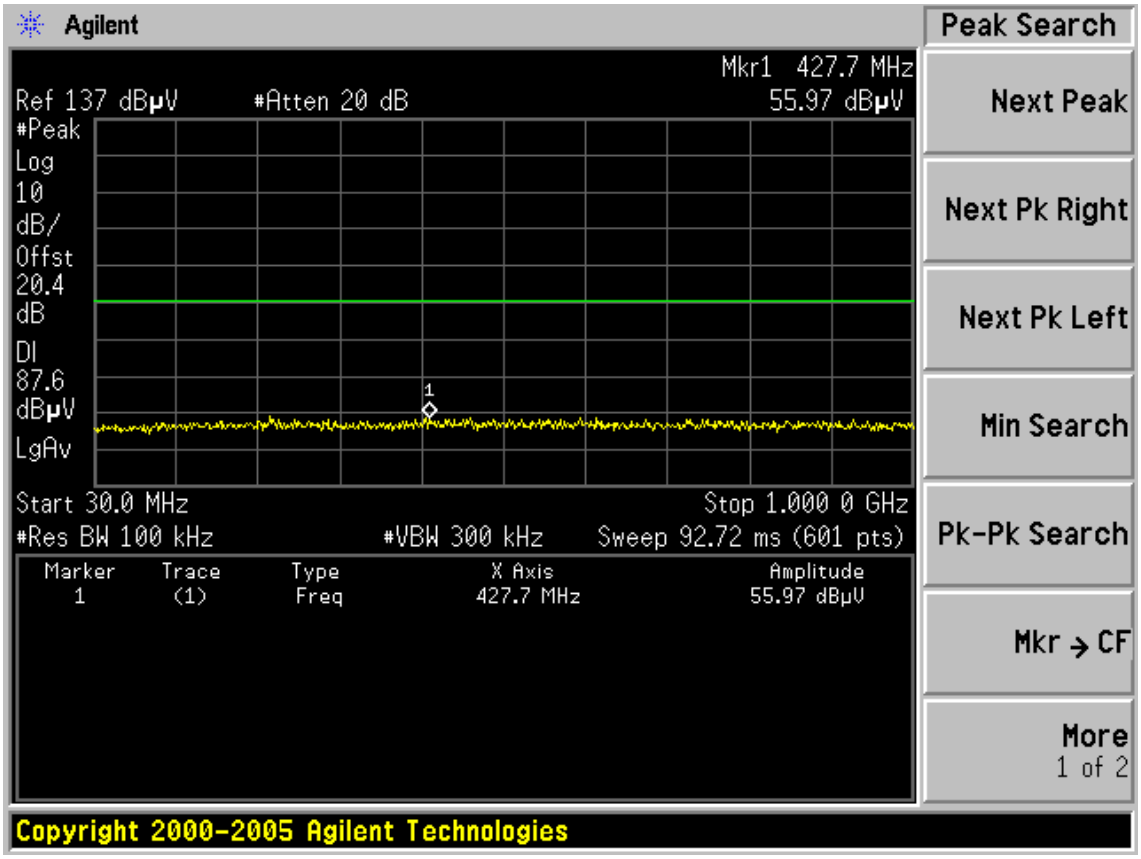
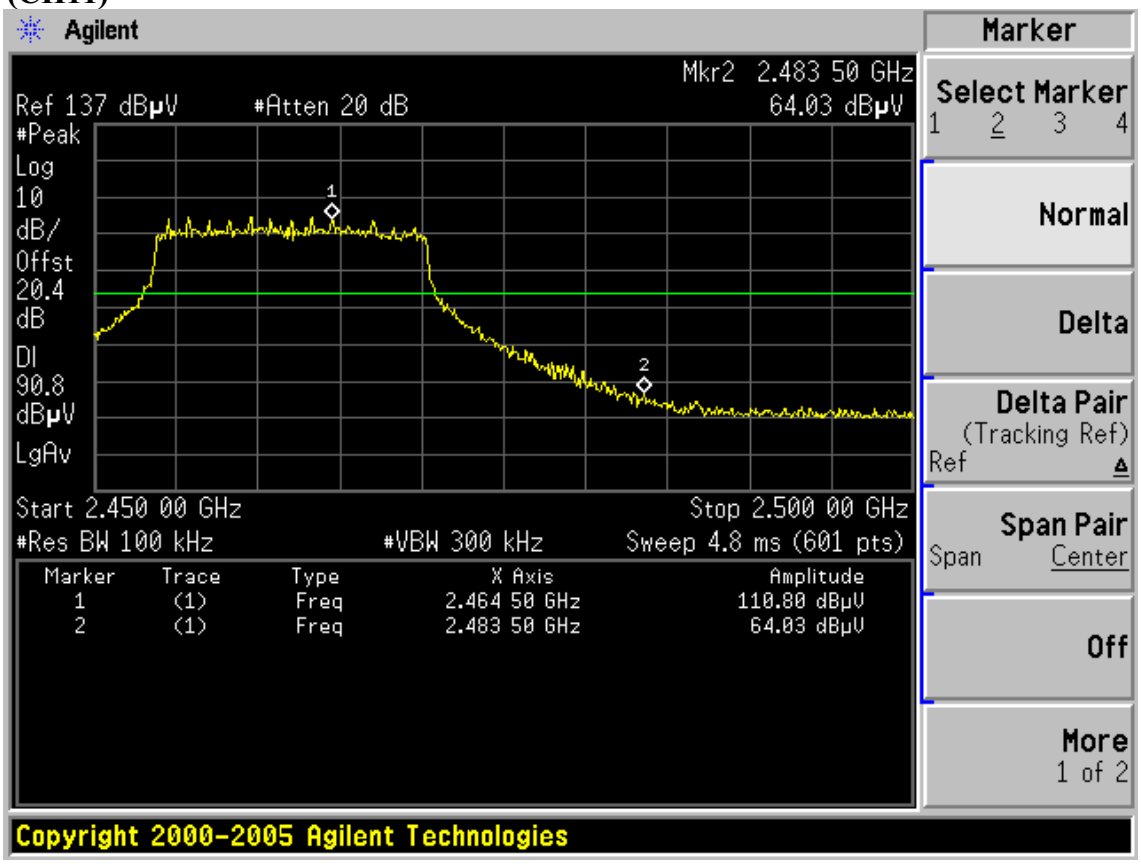
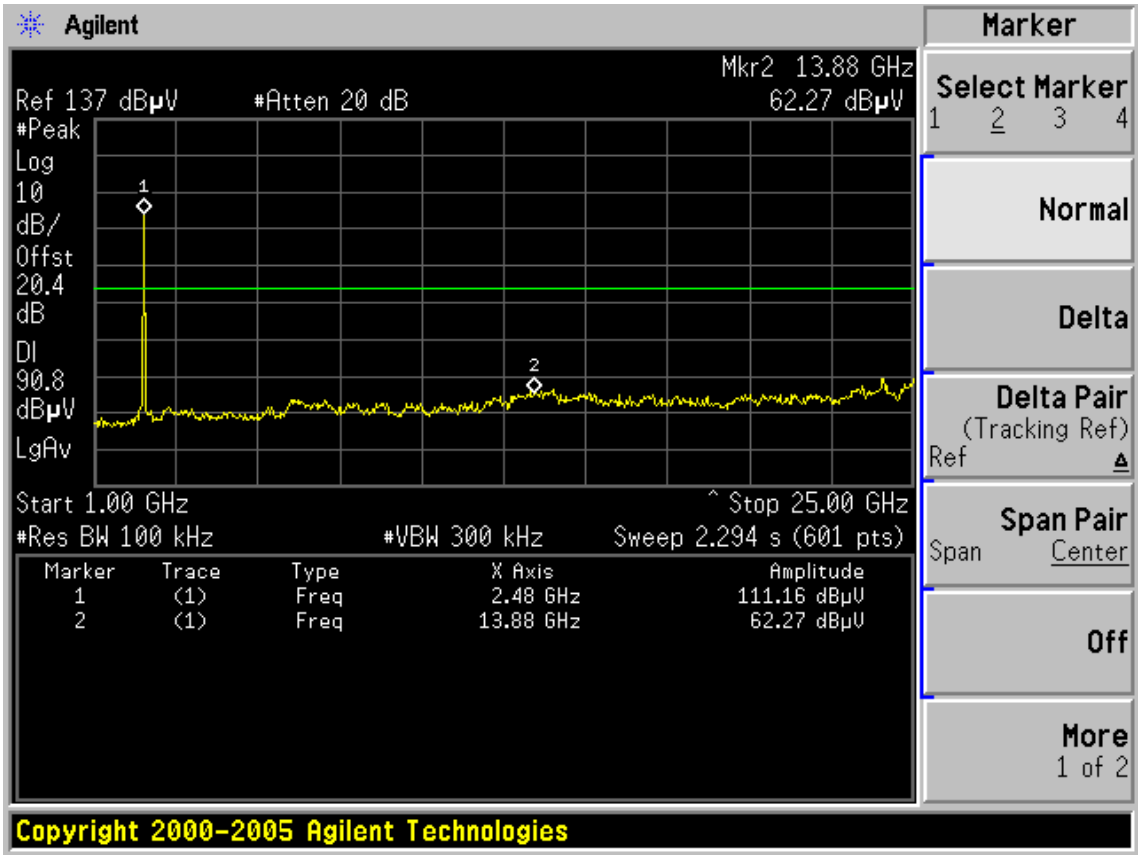
(CH6)

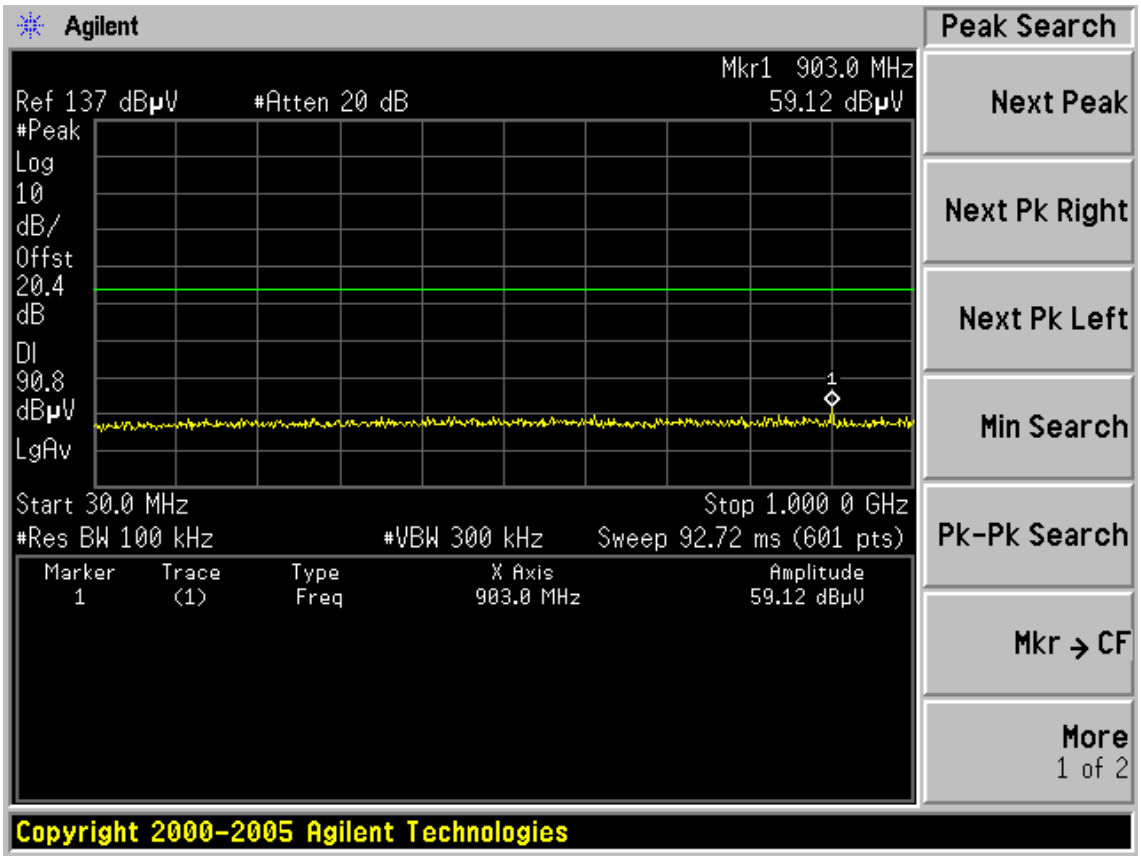

Agilent
Marker
Mkr2 17.36 GHz
Ref 137 dBµV
#Atten 20 dB
62.24 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
87.6
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 107.80 dBµV
2 (1) Freq 17.36 GHz 62.24 dBµV
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 427.7 MHz
Ref 137 dBµV
#Atten 20 dB
55.97 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
87.6
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 427.7 MHz 55.97 dBµV
Copyright 2000-2005 Agilent Technologies

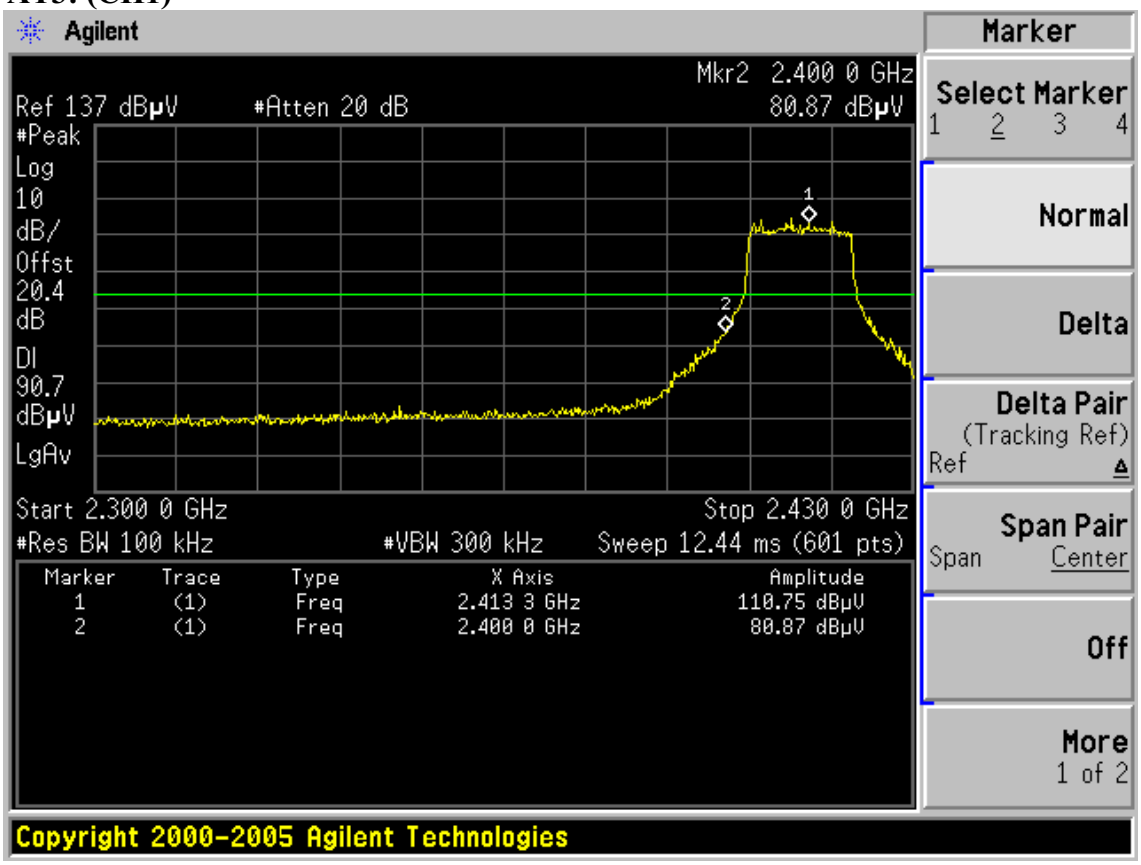
(CH11)

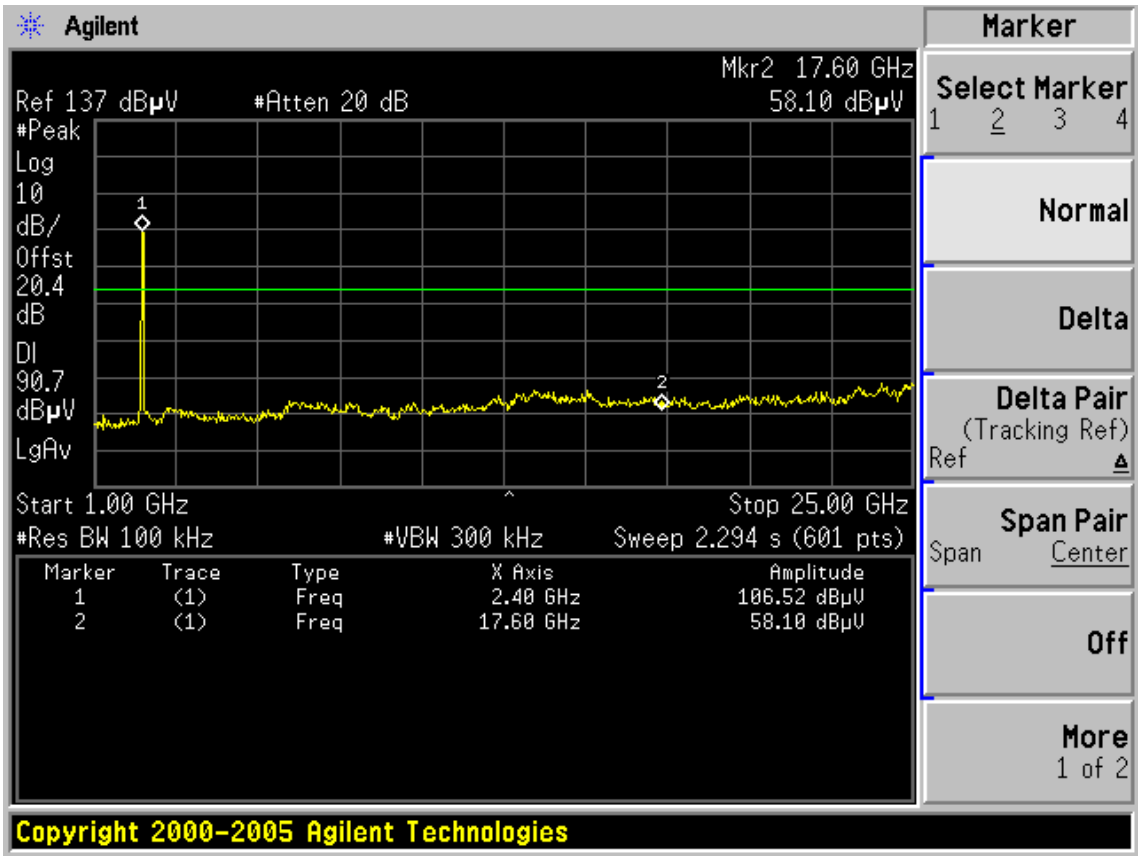

Agilent
Marker
Mkr2 2.483 50 GHz
Ref 137 dBµV
#Atten 20 dB
64.03 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.8
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.450 00 GHz
Stop 2.500 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 4.8 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.464 50 GHz 110.80 dBµV
2 (1) Freq 2.483 50 GHz 64.03 dBµV
Copyright 2000-2005 Agilent Technologies

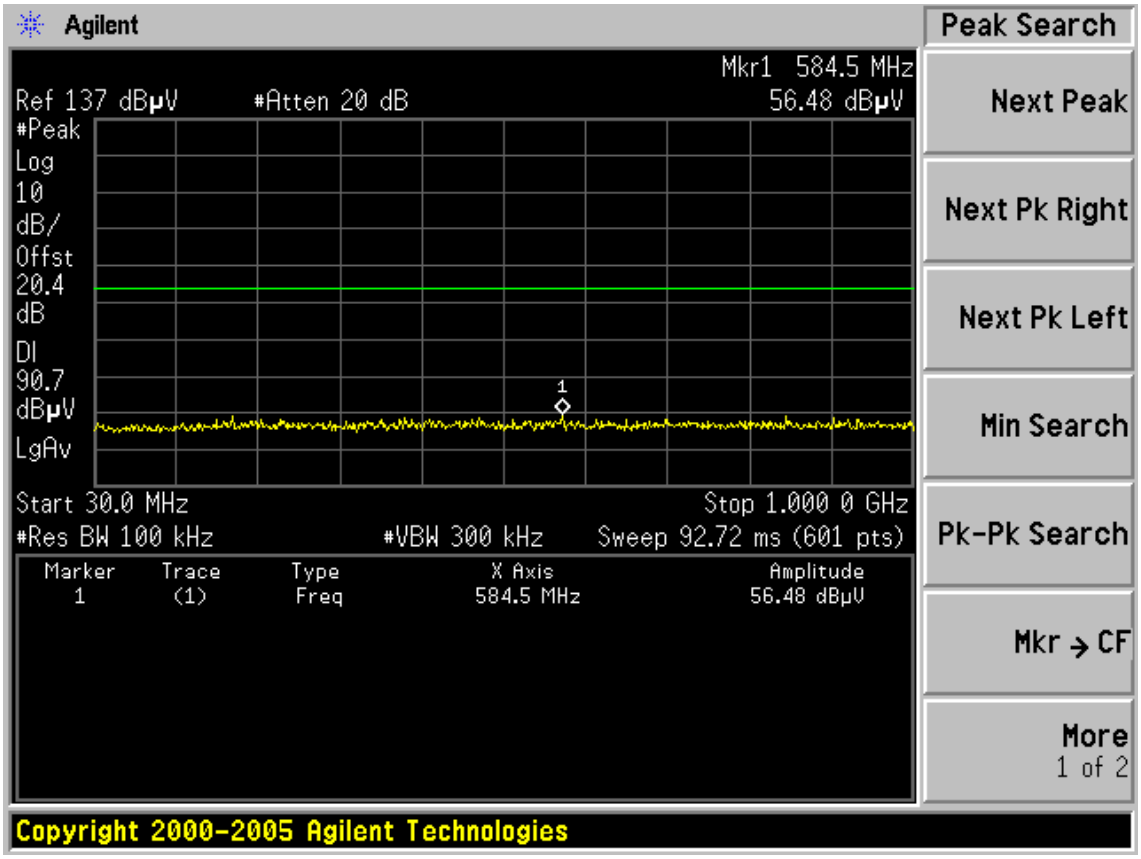

Agilent
Marker
Mkr2 13.88 GHz
Ref 137 dBµV
#Atten 20 dB
62.27 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.8
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.48 GHz 111.16 dBµV
2 (1) Freq 13.88 GHz 62.27 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 903.0 MHz
Ref 137 dBµV
#Atten 20 dB
59.12 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.8
dBµV
LgAv
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 903.0 MHz 59.12 dBµV
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Copyright 2000-2005 Agilent Technologies

AT3: (CH1)


Agilent
Marker
Mkr2 2.400 0 GHz
Ref 137 dBµV
#Atten 20 dB
80.87 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.7
dBµV
LgAv
Start 2.300 0 GHz
Stop 2.430 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 12.44 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.413 3 GHz 110.75 dBµV
2 (1) Freq 2.400 0 GHz 80.87 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Marker
Mkr2 17.60 GHz
Ref 137 dBµV
#Atten 20 dB
58.10 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.7
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.40 GHz 106.52 dBµV
2 (1) Freq 17.60 GHz 58.10 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Copyright 2000-2005 Agilent Technologies


Agilent
Peak Search
Mkr1 584.5 MHz
Ref 137 dBµV
#Atten 20 dB
56.48 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
90.7
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Pk-Pk Search
Marker Trace Type X Axis Amplitude
1 (1) Freq 584.5 MHz 56.48 dBµV
Mkr → CF
More
1 of 2
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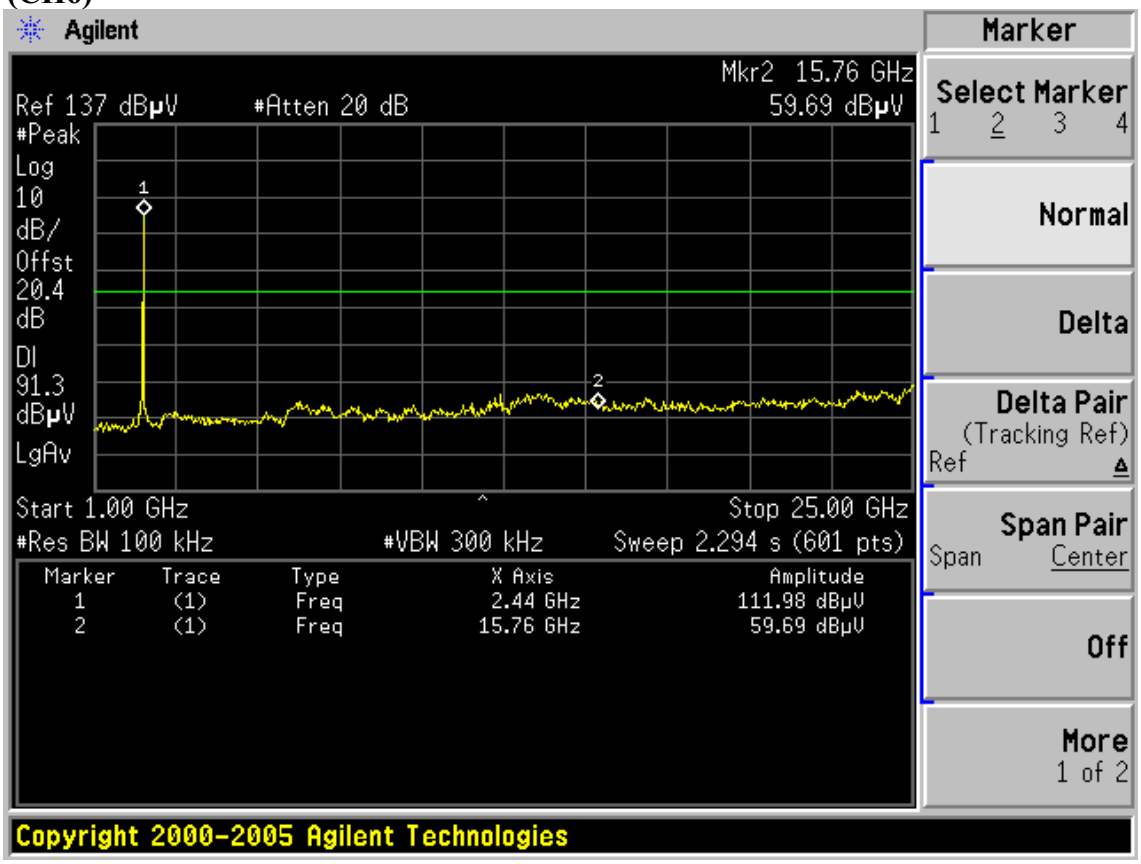
(CH6)


Agilent
Marker
Mkr2 15.76 GHz
Ref 137 dBµV
#Atten 20 dB
59.69 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
91.3
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Span Pair
Span Center
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 111.98 dBµV
2 (1) Freq 15.76 GHz 59.69 dBµV
Off
More
1 of 2
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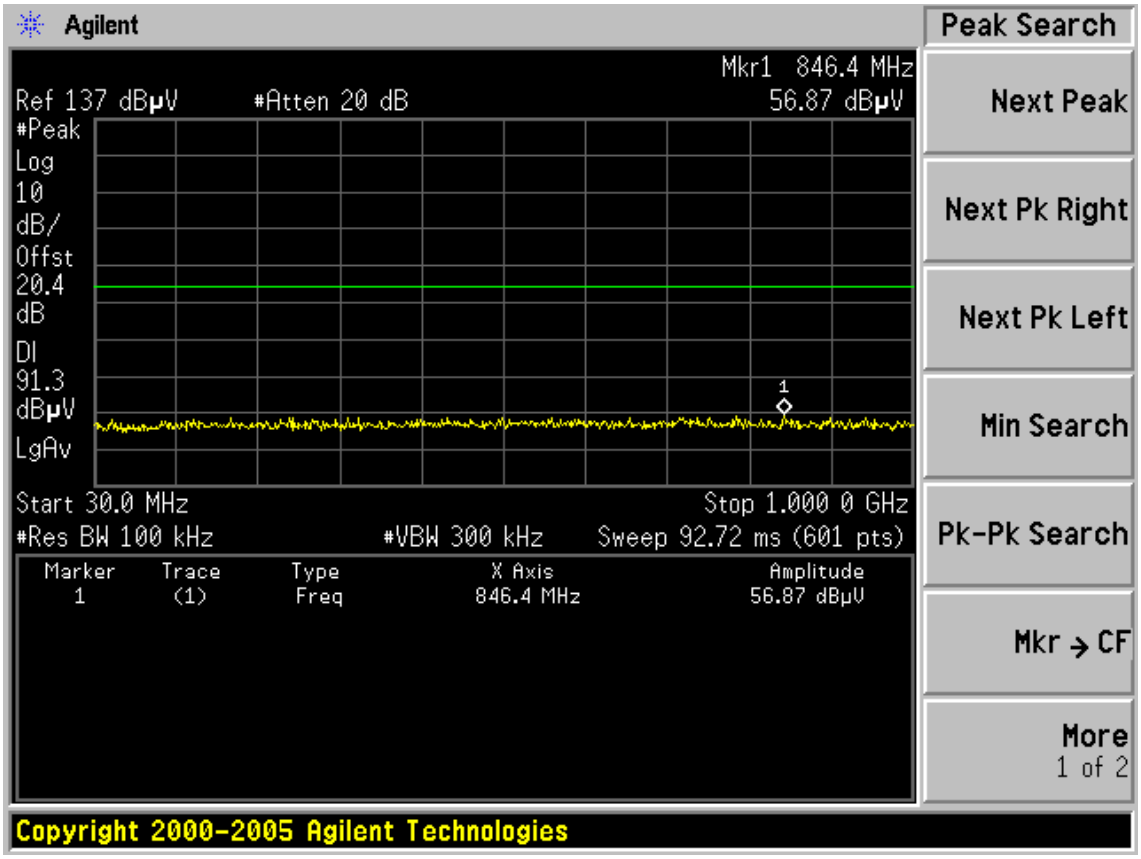
Agilent
Peak Search
Mkr1 846.4 MHz
Ref 137 dBµV
#Atten 20 dB
56.87 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
91.3
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 846.4 MHz 56.87 dBµV
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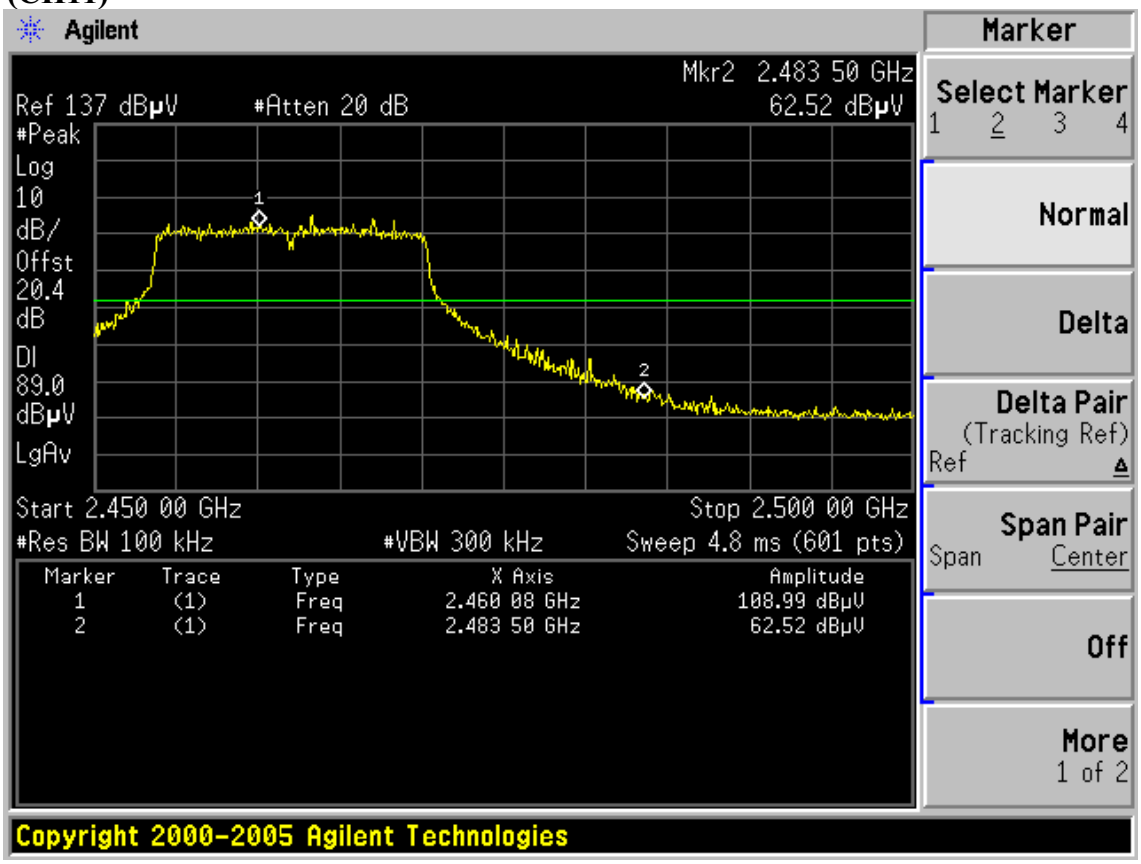
(CH11)


Agilent
Marker
Mkr2 2.483 50 GHz
Ref 137 dBµV
#Atten 20 dB
62.52 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
89.0
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.450 00 GHz
Stop 2.500 00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 4.8 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.460 08 GHz 108.99 dBµV
2 (1) Freq 2.483 50 GHz 62.52 dBµV
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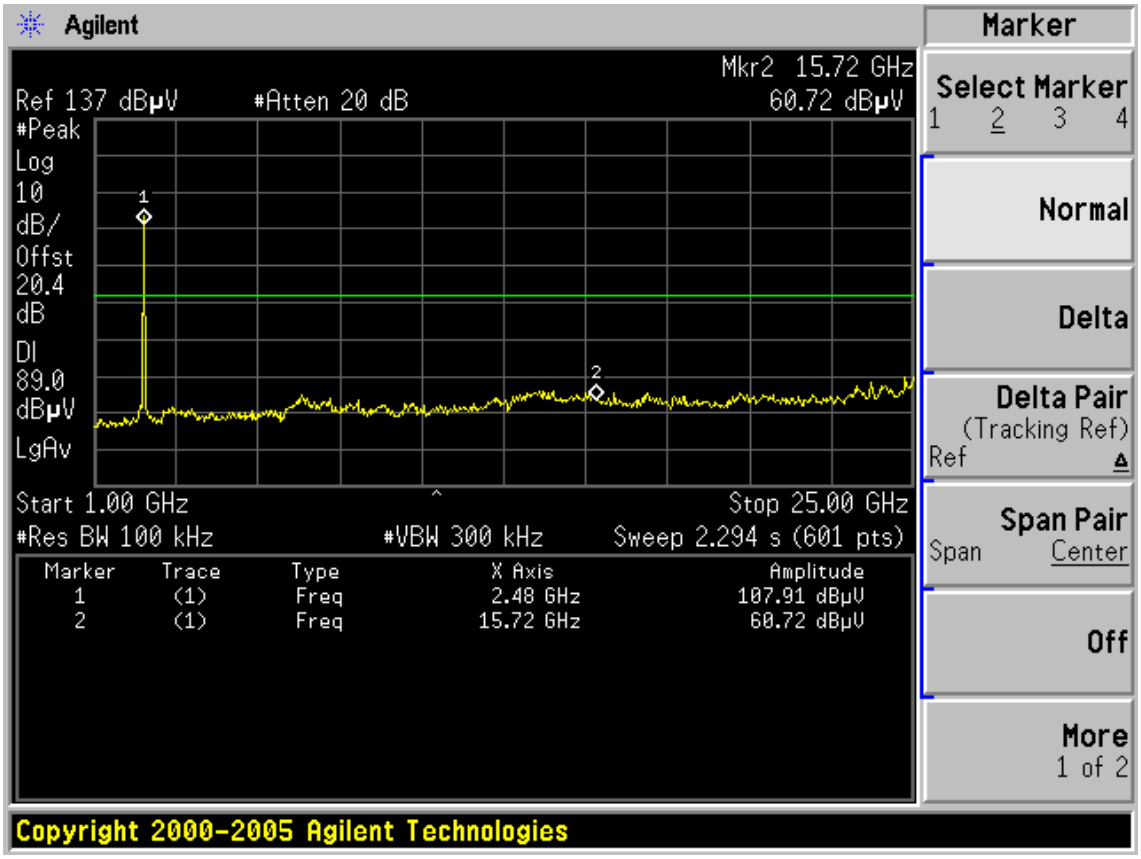
Agilent
Marker
Mkr2 15.72 GHz
Ref 137 dBµV
#Atten 20 dB
60.72 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
89.0
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.48 GHz 107.91 dBµV
2 (1) Freq 15.72 GHz 60.72 dBµV
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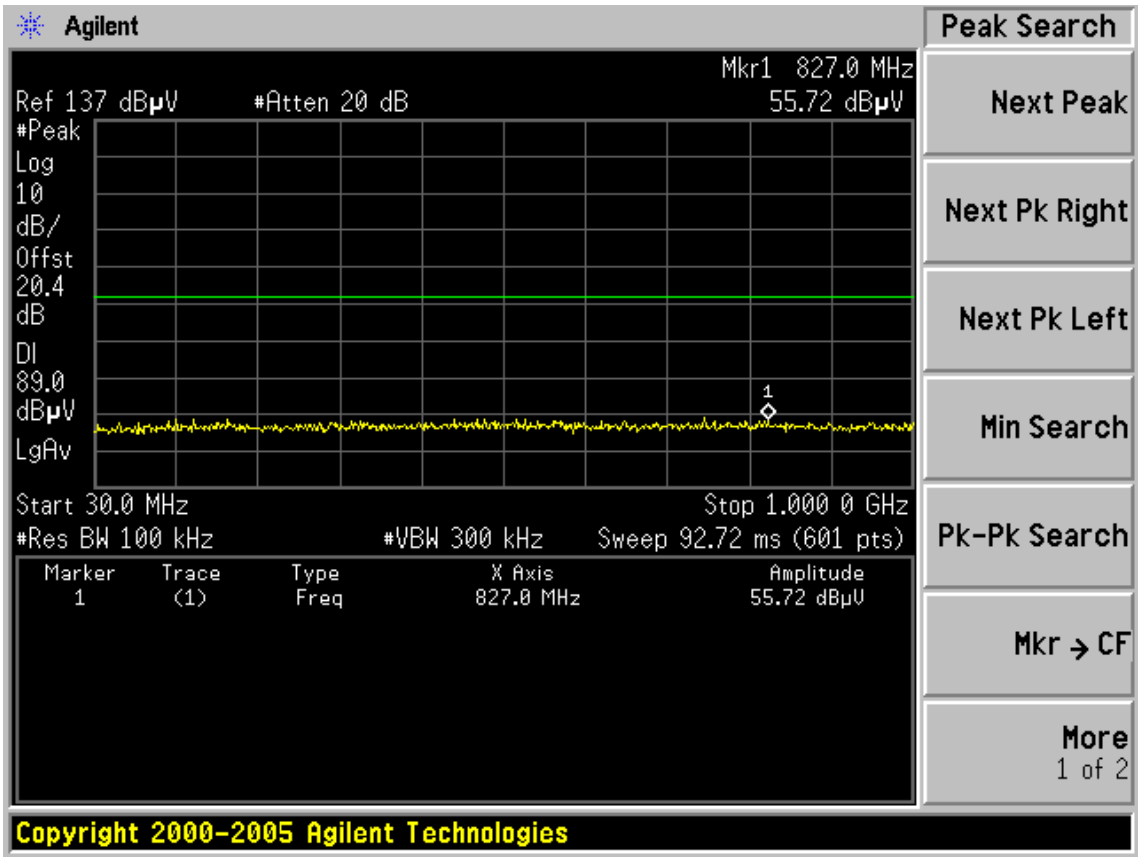
Agilent
Peak Search
Mkr1 827.0 MHz
Ref 137 dBµV
#Atten 20 dB
55.72 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
89.0
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 827.0 MHz 55.72 dBµV
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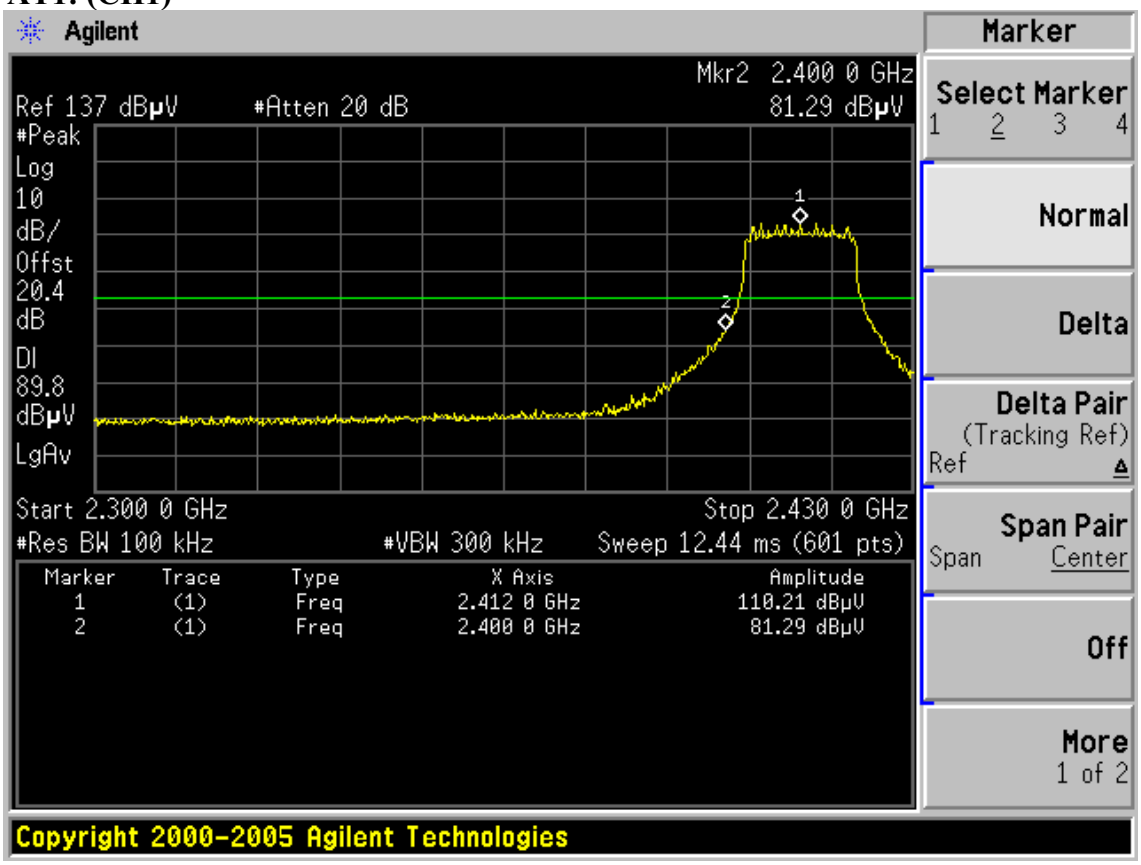
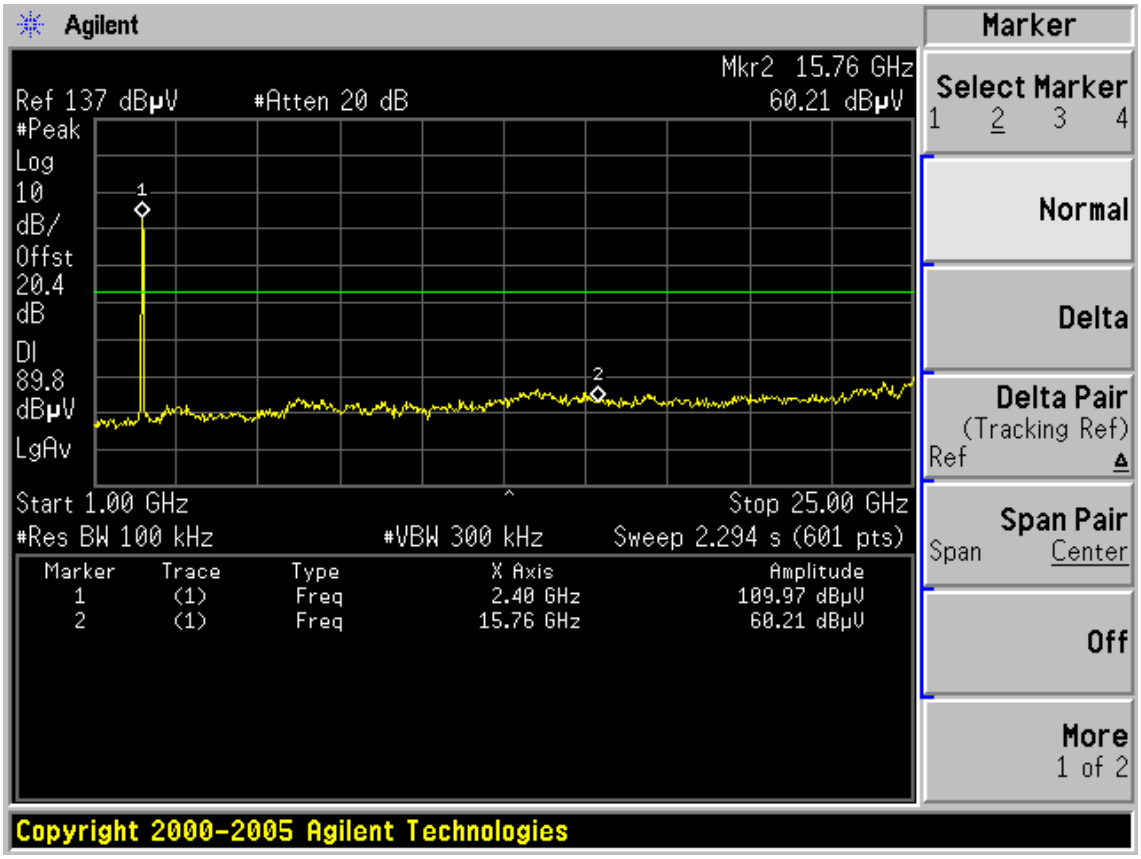
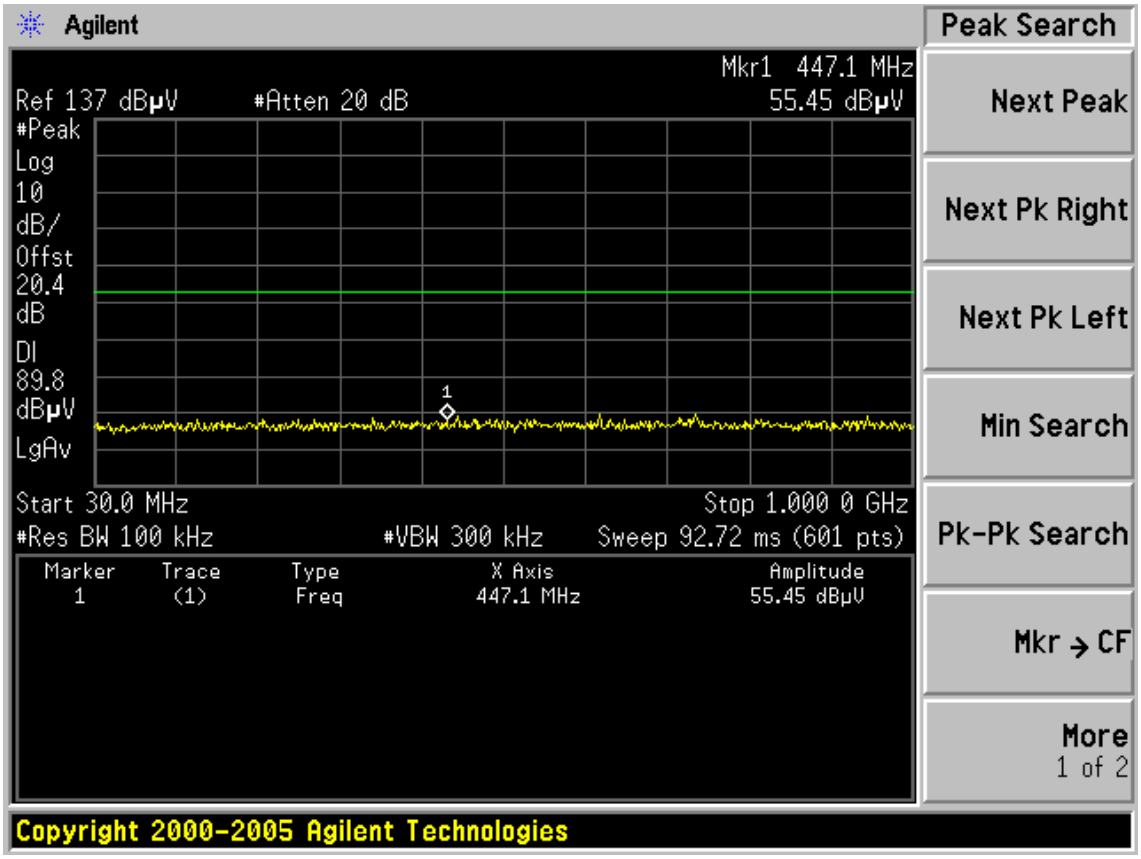
Test Mode: IEEE 802.11n HT20 TX (2.4G)
AT1: (CH1)






Agilent
Peak Search
Mkr1 447.1 MHz
Ref 137 dBµV
#Atten 20 dB
55.45 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
89.8
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 447.1 MHz 55.45 dBµV
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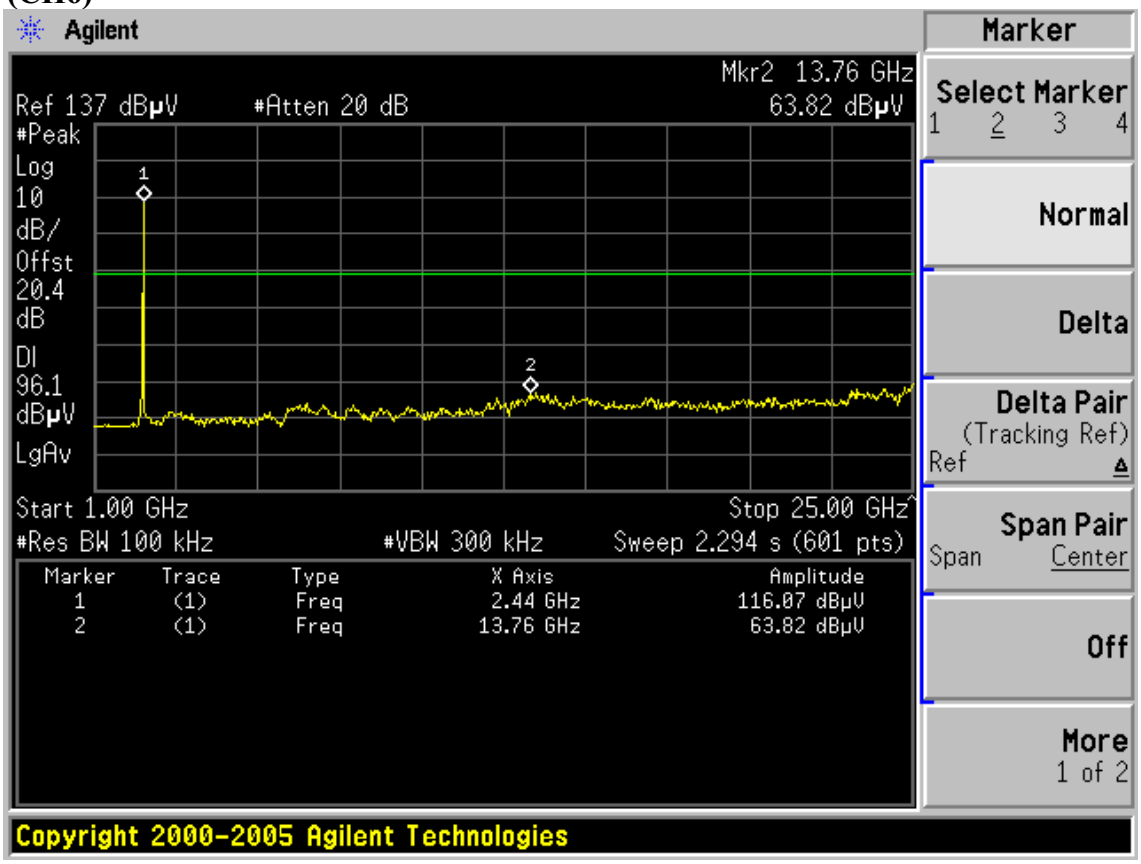
(CH6)


Agilent
Marker
Mkr2 13.76 GHz
Ref 137 dBµV
#Atten 20 dB
63.82 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.1
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.44 GHz 116.07 dBµV
2 (1) Freq 13.76 GHz 63.82 dBµV
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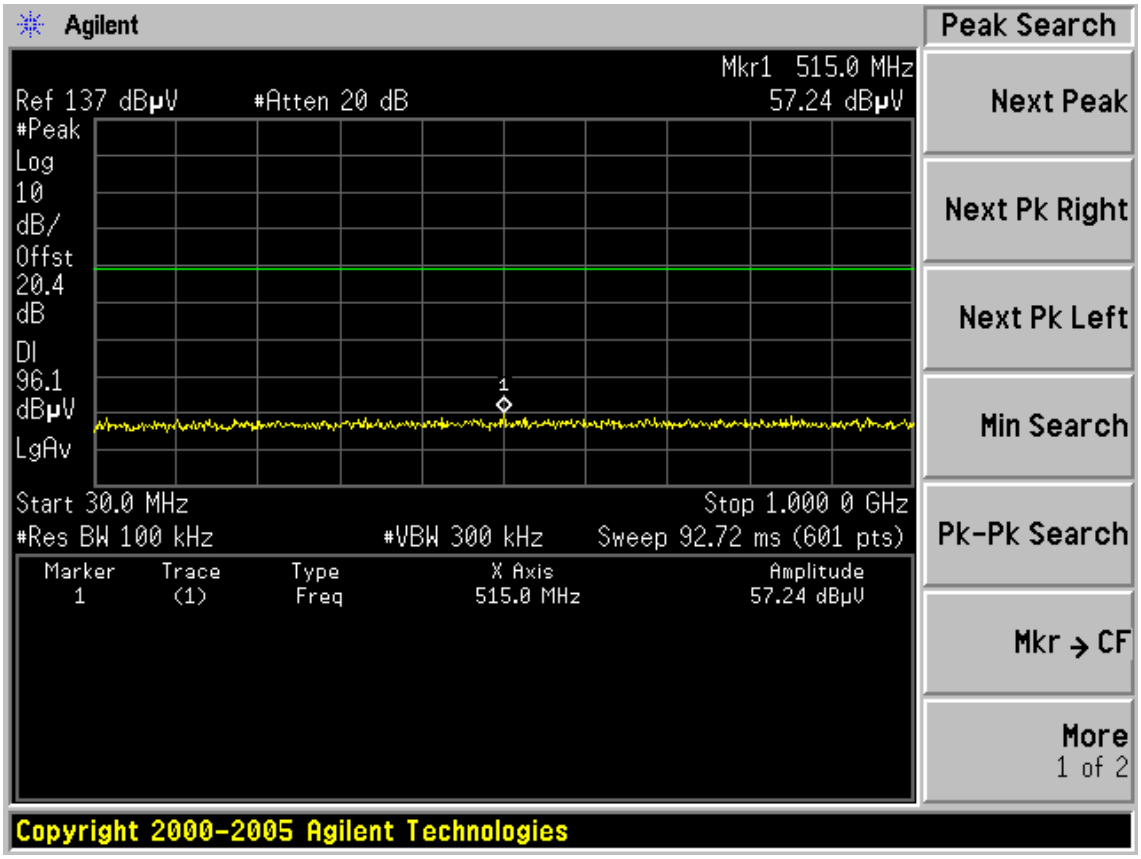
Agilent
Peak Search
Mkr1 515.0 MHz
Ref 137 dBµV
#Atten 20 dB
57.24 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
96.1
dBµV
LgAv
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 515.0 MHz 57.24 dBµV
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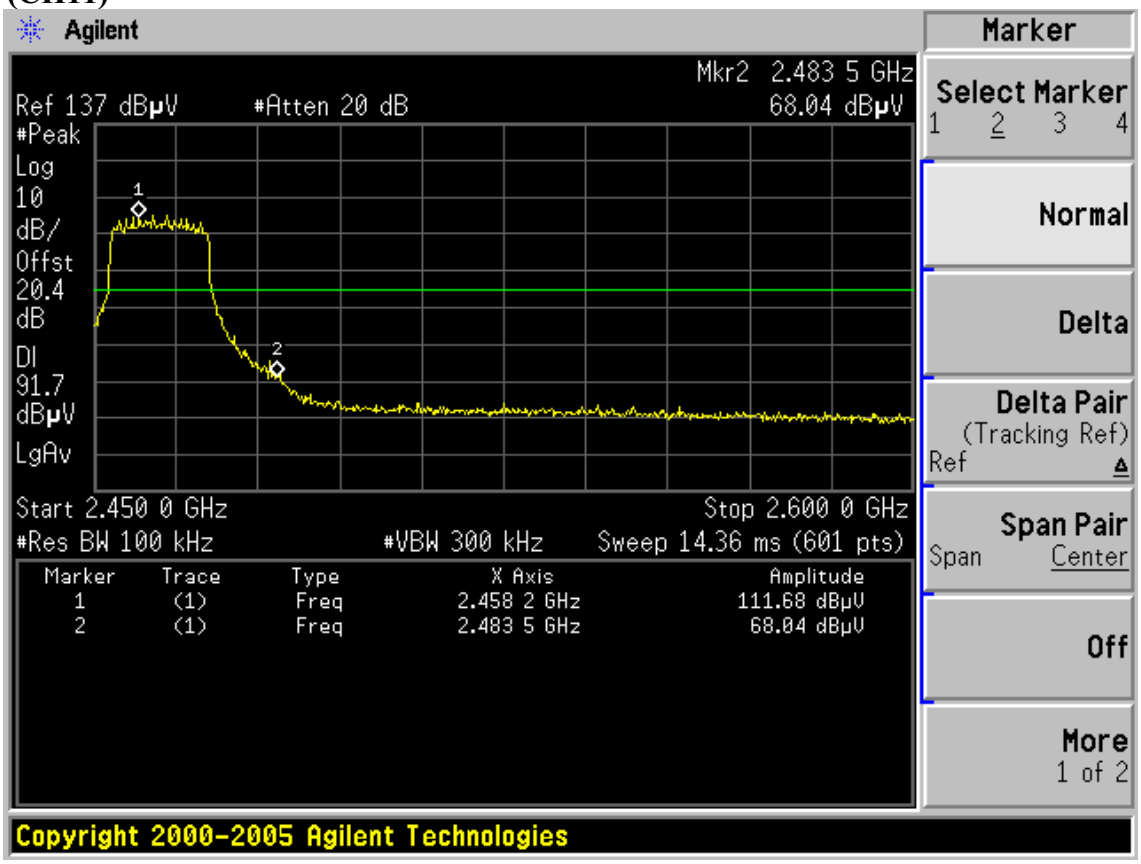
(CH11)


Agilent
Marker
Mkr2 2.483 5 GHz
Ref 137 dBµV
#Atten 20 dB
68.04 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
91.7
dBµV
LgAv
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
Start 2.450 0 GHz
Stop 2.600 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 14.36 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.458 2 GHz 111.68 dBµV
2 (1) Freq 2.483 5 GHz 68.04 dBµV
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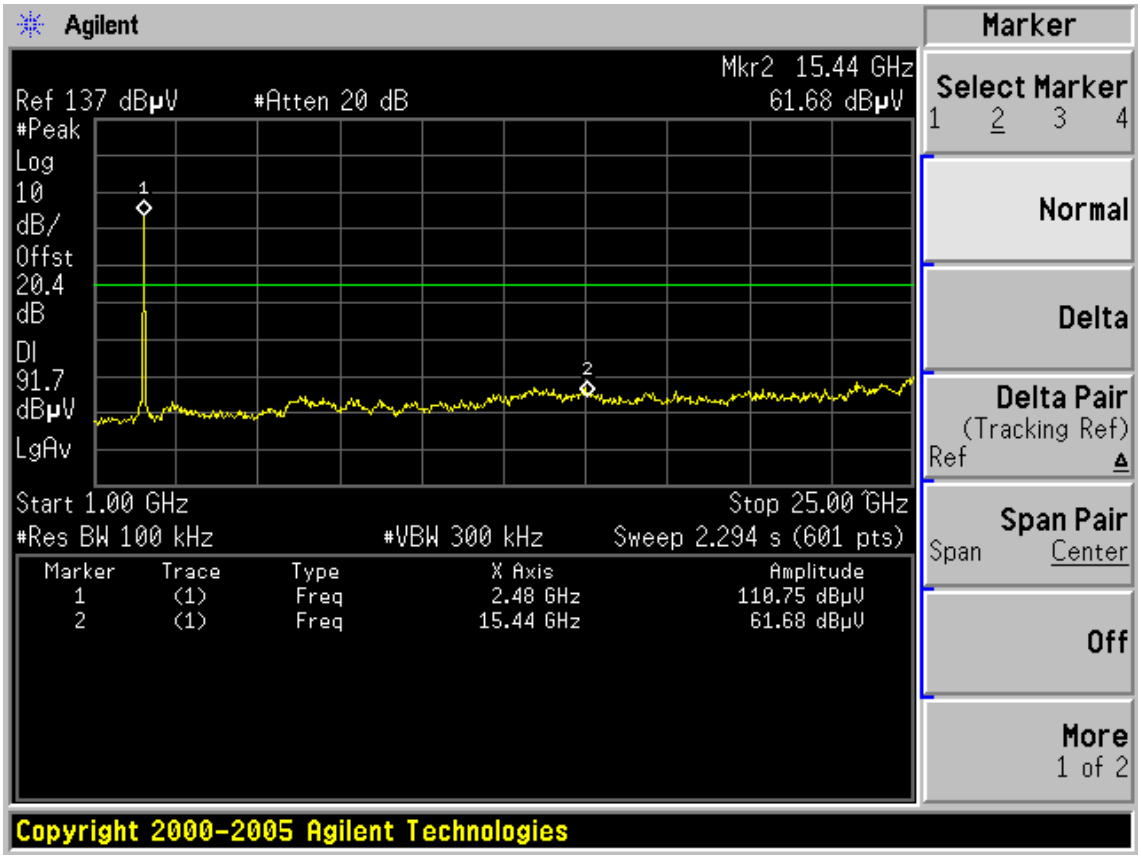
Agilent
Marker
Mkr2 15.44 GHz
Ref 137 dBµV
#Atten 20 dB
61.68 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
91.7
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.48 GHz 110.75 dBµV
2 (1) Freq 15.44 GHz 61.68 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
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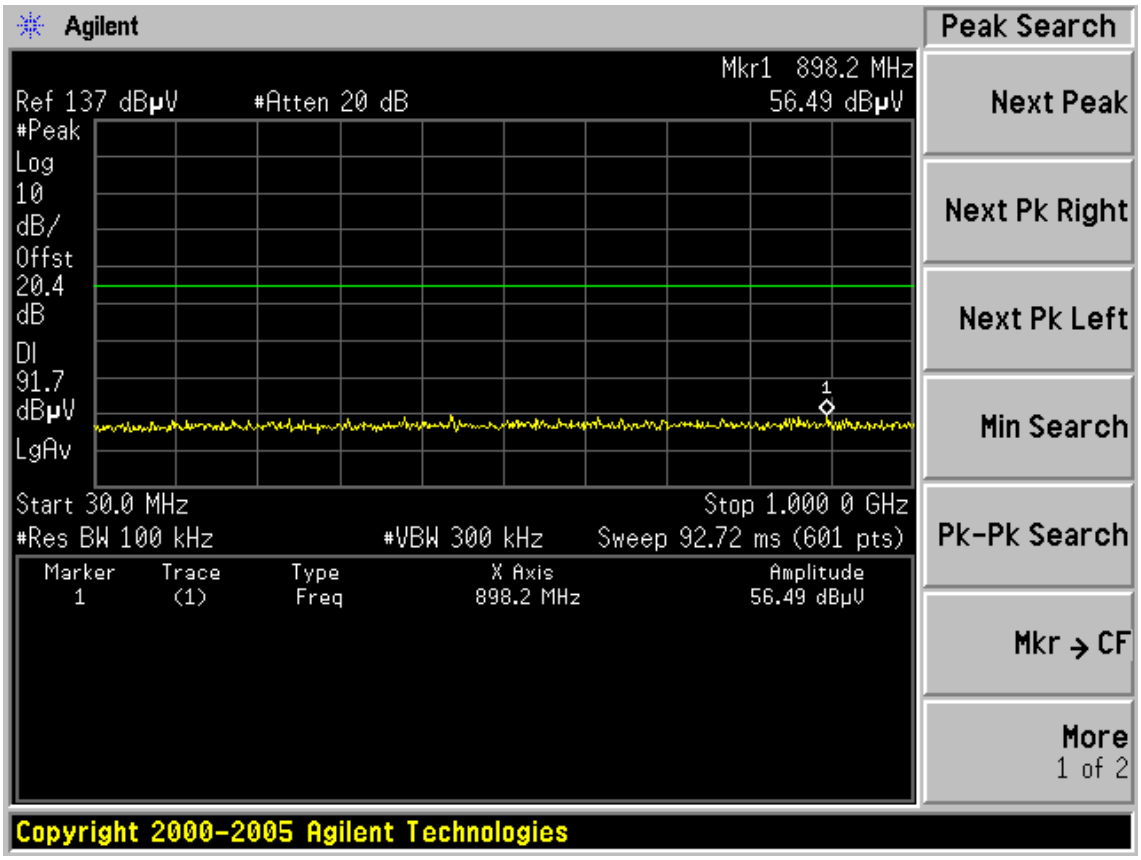
Agilent
Peak Search
Mkr1 898.2 MHz
Ref 137 dBµV
#Atten 20 dB
56.49 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
91.7
dBµV
LgAv
Start 30.0 MHz
Stop 1.000 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 92.72 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 898.2 MHz 56.49 dBµV
Next Peak
Next Pk Right
Next Pk Left
Min Search
Pk-Pk Search
Mkr → CF
More
1 of 2
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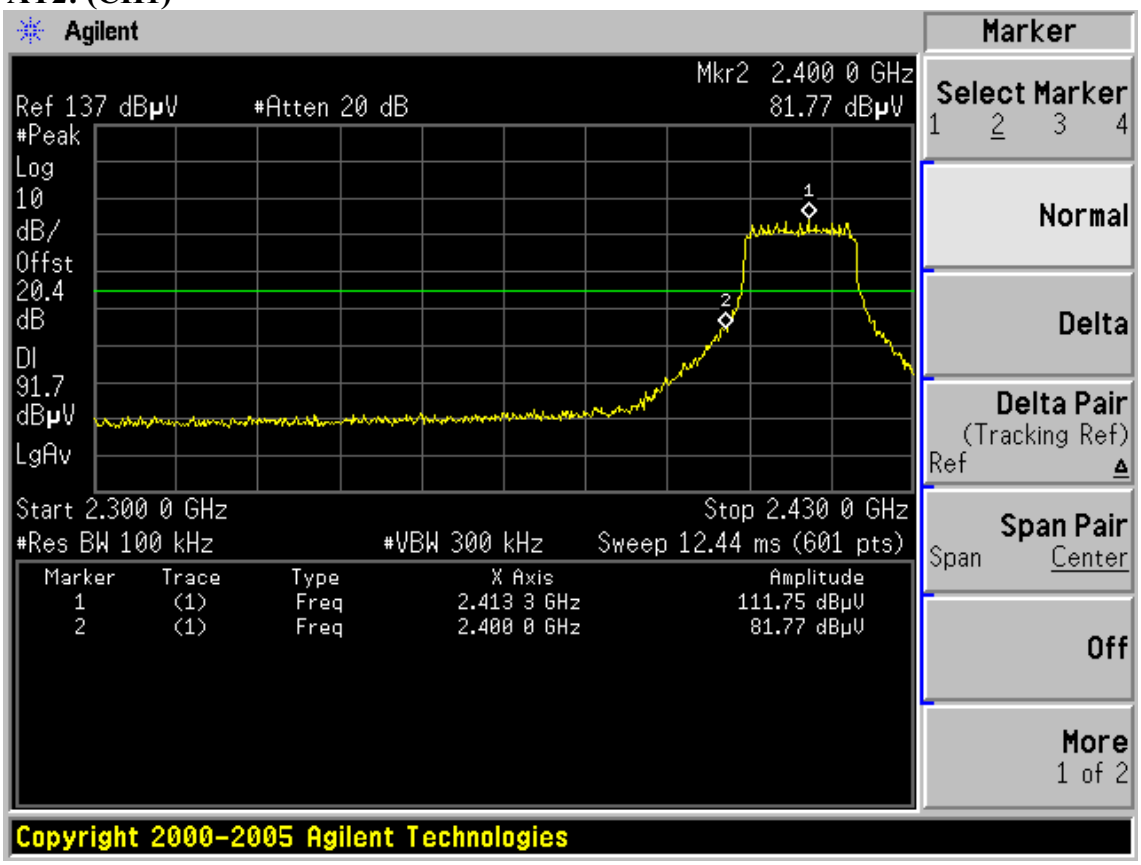
AT2: (CH1)


Agilent
Marker
Mkr2 2.400 0 GHz
Ref 137 dBµV
#Atten 20 dB
81.77 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
91.7
dBµV
LgAv
Start 2.300 0 GHz
Stop 2.430 0 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 12.44 ms (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.413 3 GHz 111.75 dBµV
2 (1) Freq 2.400 0 GHz 81.77 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
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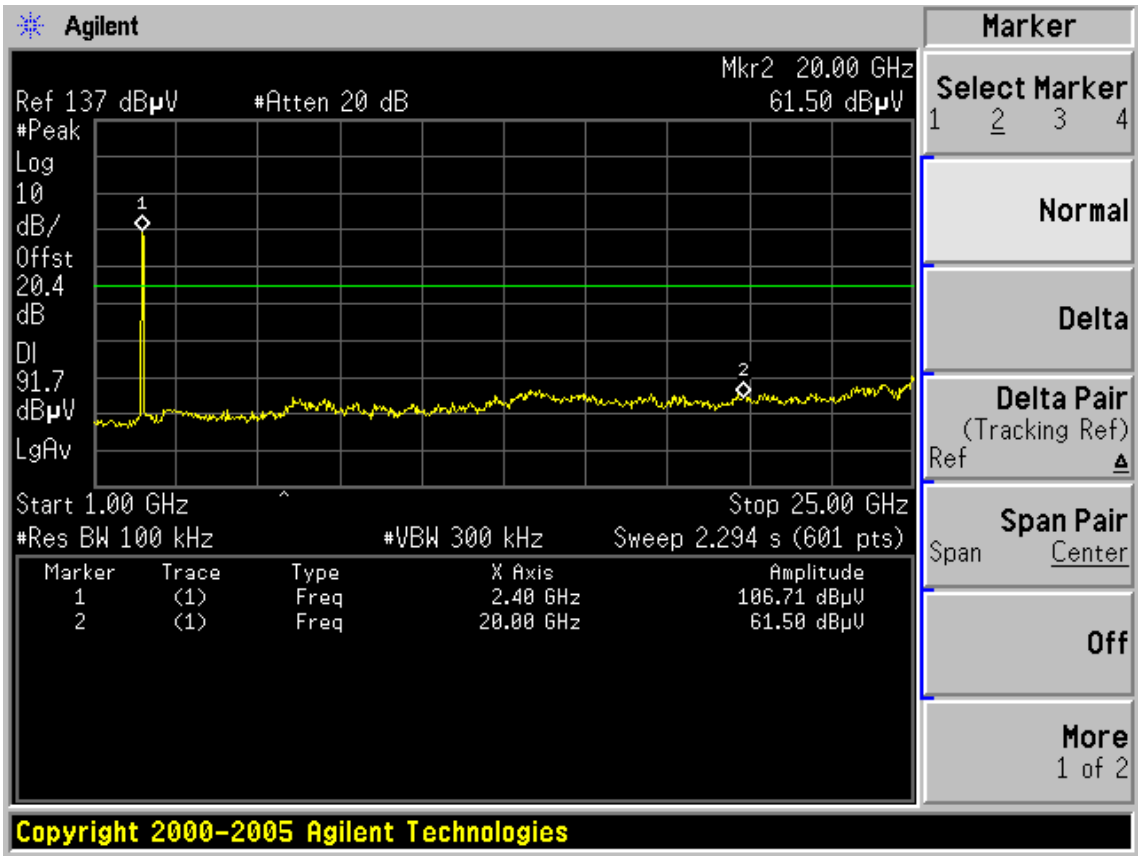
Agilent
Marker
Mkr2 20.00 GHz
Ref 137 dBµV
#Atten 20 dB
61.50 dBµV
#Peak
Log
10
dB/
Offst
20.4
dB
Dl
91.7
dBµV
LgAv
Start 1.00 GHz
Stop 25.00 GHz
#Res BW 100 kHz
#VBW 300 kHz
Sweep 2.294 s (601 pts)
Marker Trace Type X Axis Amplitude
1 (1) Freq 2.40 GHz 106.71 dBµV
2 (1) Freq 20.00 GHz 61.50 dBµV
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref
Span Pair
Span Center
Off
More
1 of 2
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