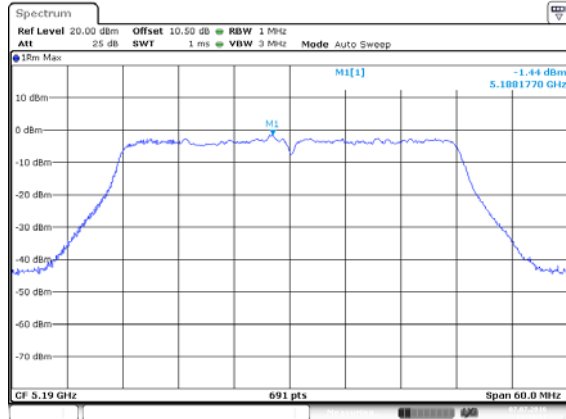
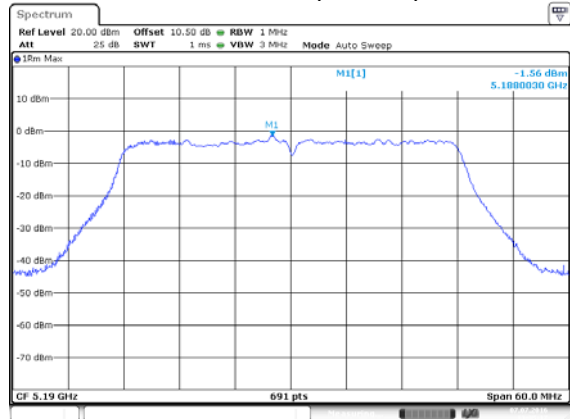


ANT 1(11N40)

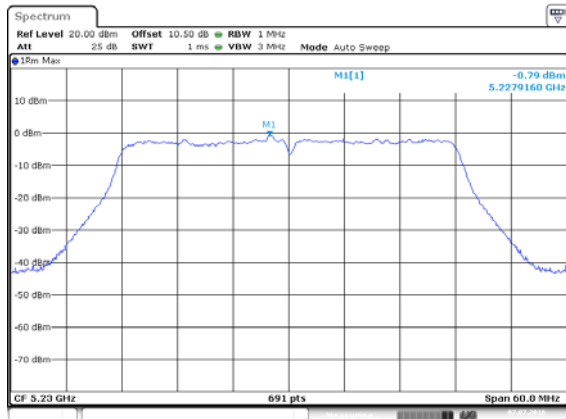


Date: 7. JUL. 2016 13:34:51

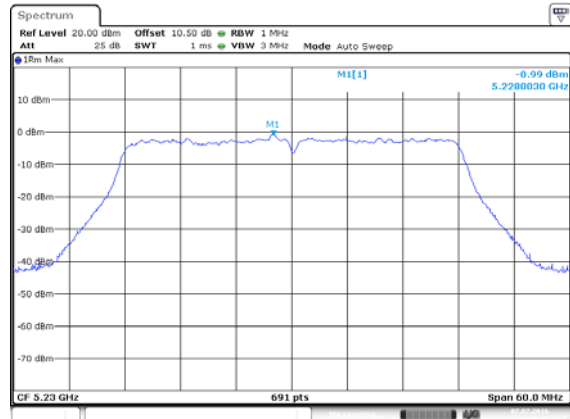
ANT 2(11N40)



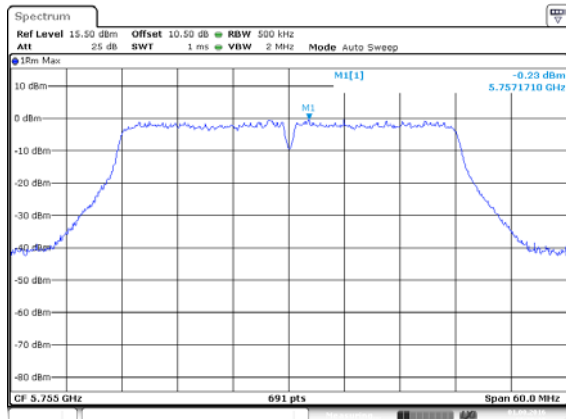
Date: 7. JUL. 2016 13:35:17



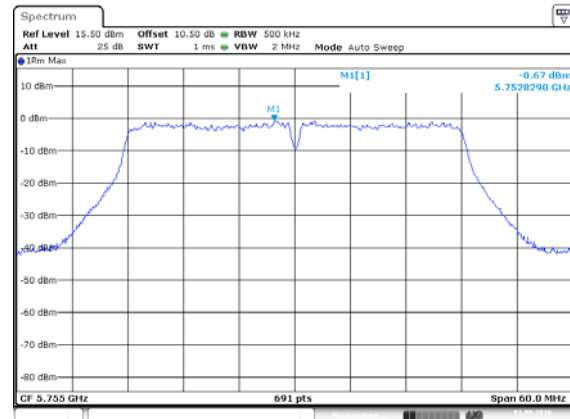
Date: 7. JUL. 2016 13:36:00



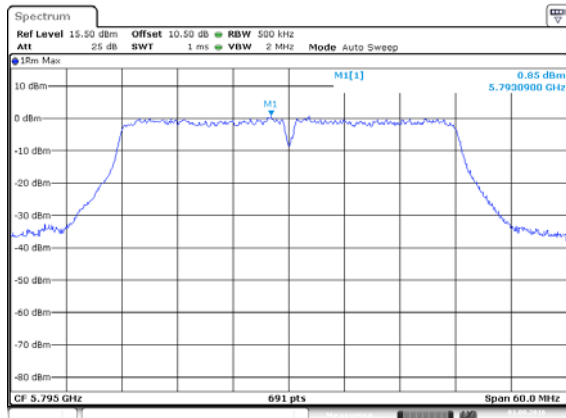
Date: 7. JUL. 2016 13:36:15



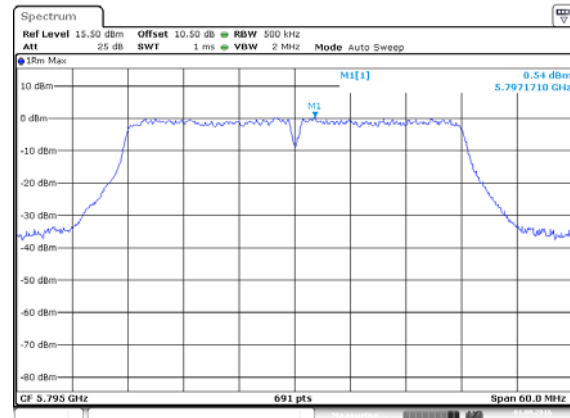
Date: 1. AUG. 2016 17:38:11



Date: 1. AUG. 2016 17:38:32

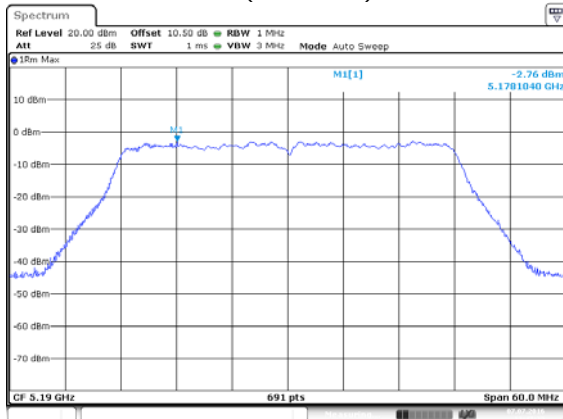


Date: 1. AUG. 2016 17:39:18



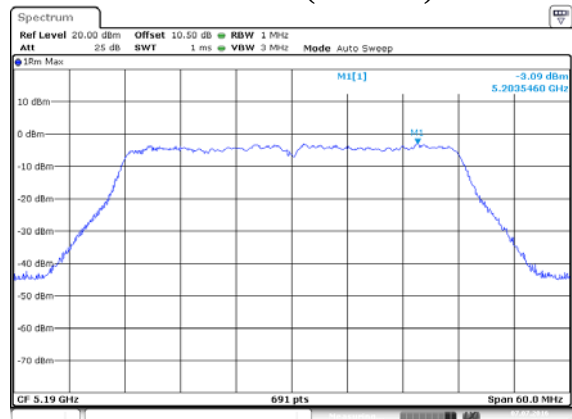
Date: 1. AUG. 2016 17:39:39

ANT 1(11AC40)

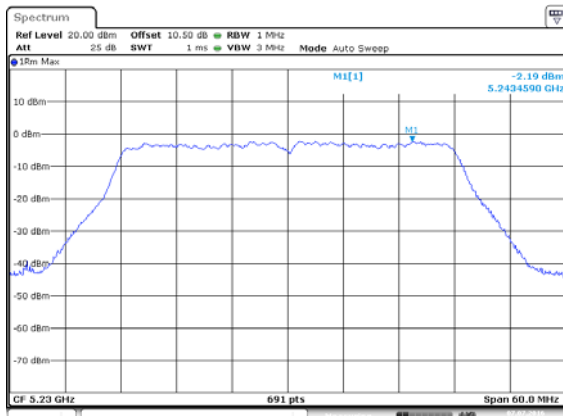


Date: 7.JUL.2016 13:47:23

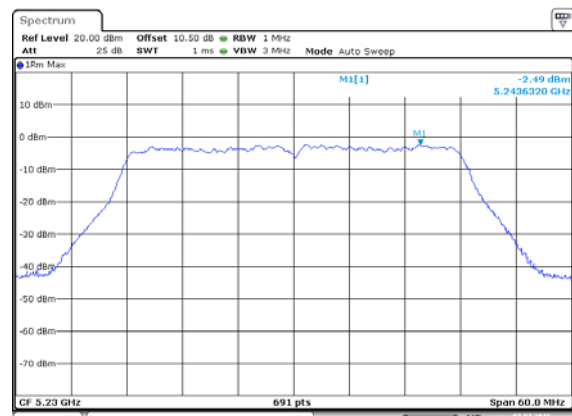
ANT 2(11AC40)



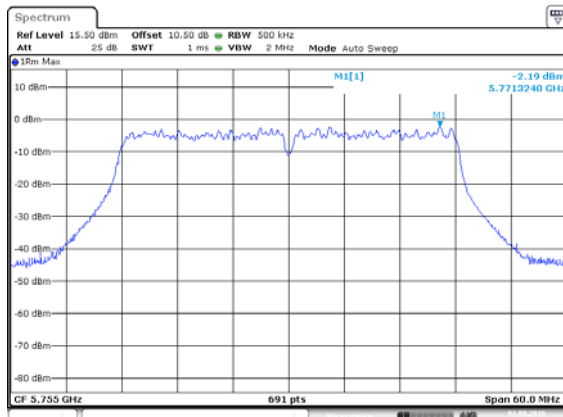
Date: 7.JUL.2016 13:47:38



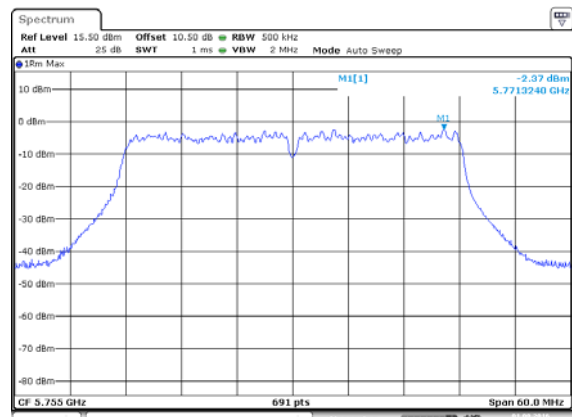
Date: 7.JUL.2016 13:48:18



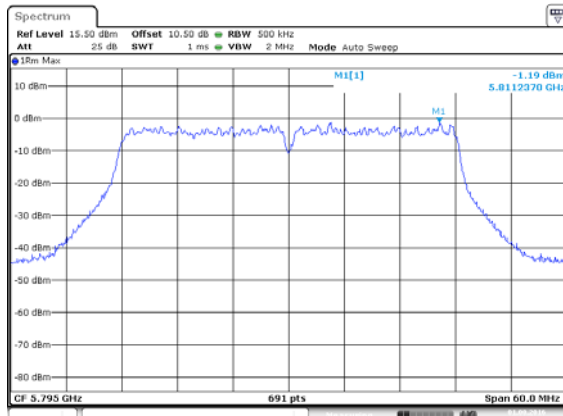
Date: 7.JUL.2016 13:48:40



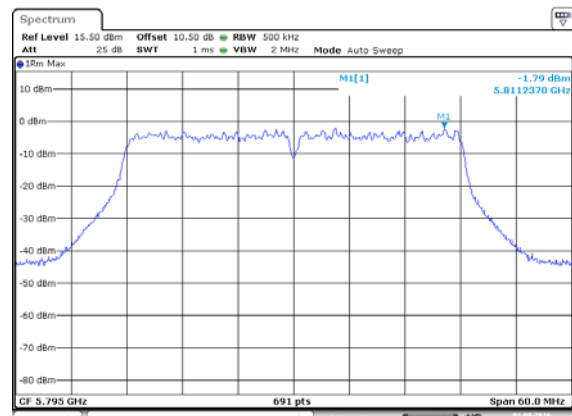
Date: 1.AUG.2016 17:41:39



Date: 1.AUG.2016 17:41:58



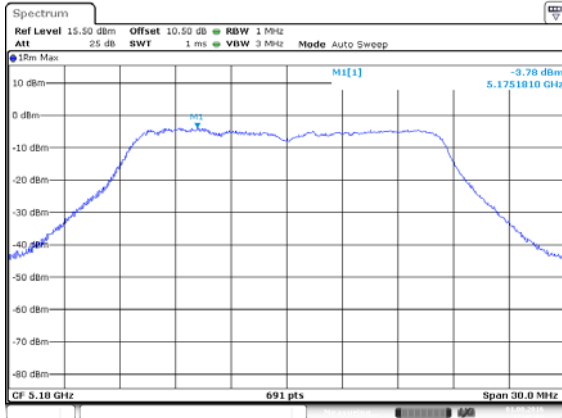
Date: 1.AUG.2016 17:48:41



Date: 1.AUG.2016 17:41:07

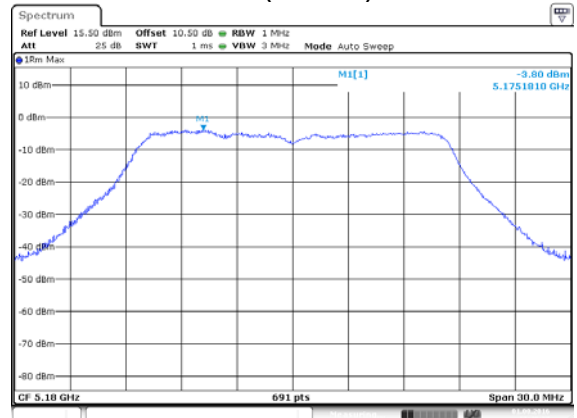
TEST MODE:MIMO

ANT 1(11N20)

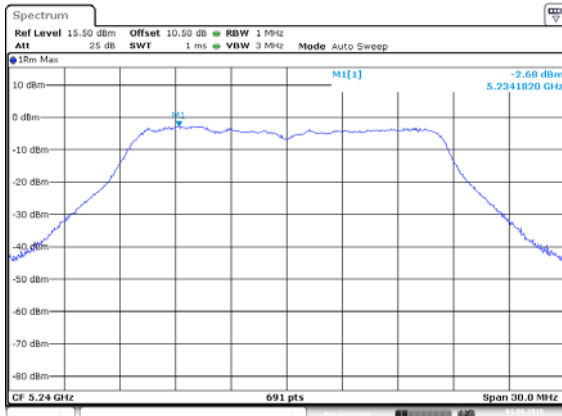


Date: 1.AUG.2016 17:46:05

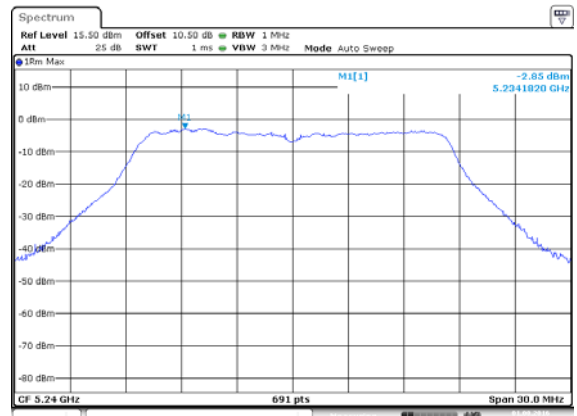
ANT 2(11N20)



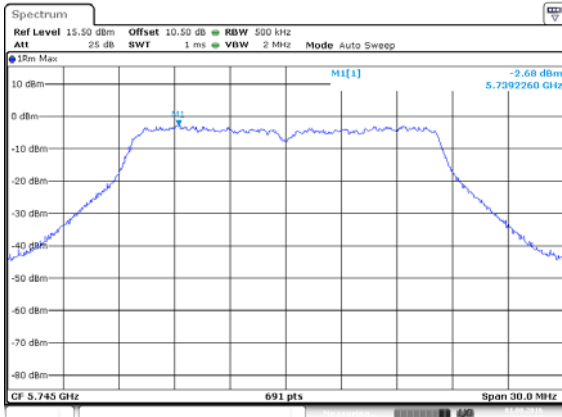
Date: 1.AUG.2016 17:49:37



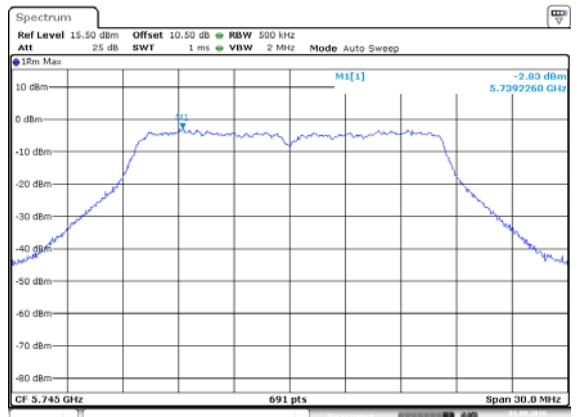
Date: 1.AUG.2016 17:50:25



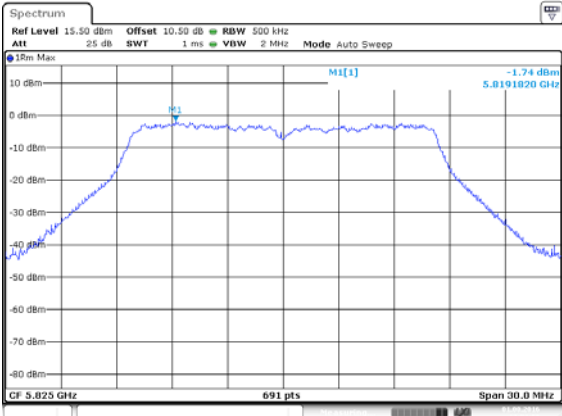
Date: 1.AUG.2016 17:50:36



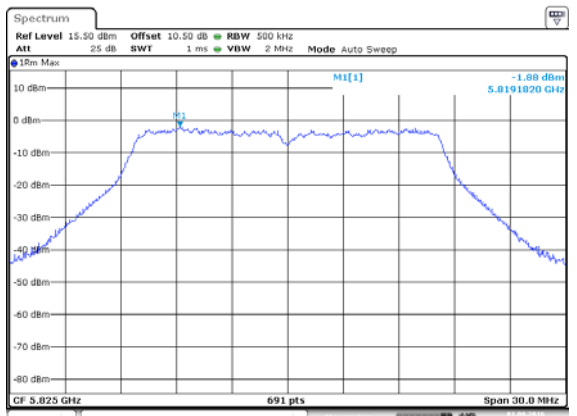
Date: 1.AUG.2016 17:52:57



Date: 1.AUG.2016 17:53:15

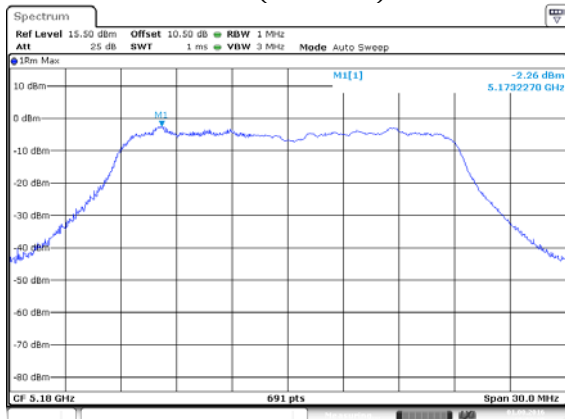


Date: 1.AUG.2016 17:53:59



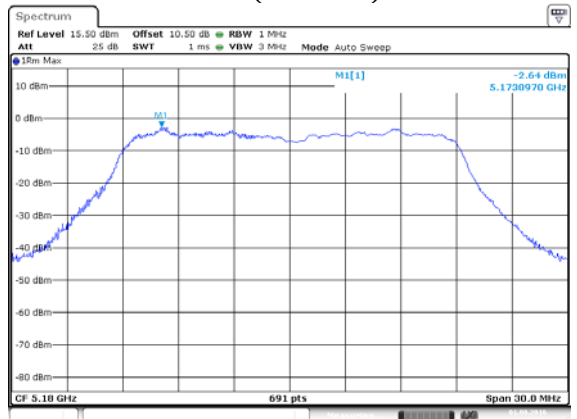
Date: 1.AUG.2016 17:54:16

ANT 1(11AC20)

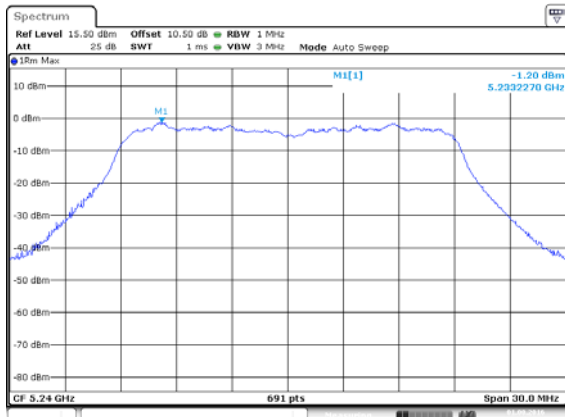


Date: 1.AUG.2016 18:02:30

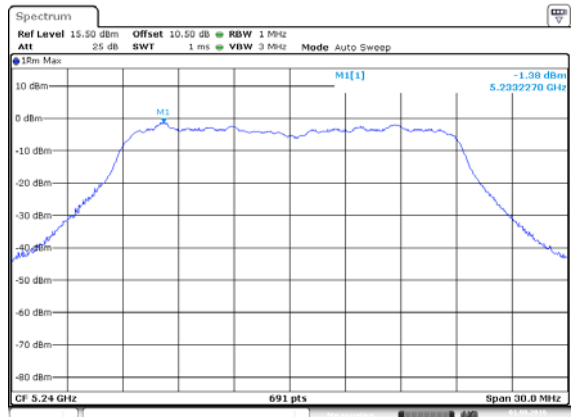
ANT 2(11AC20)



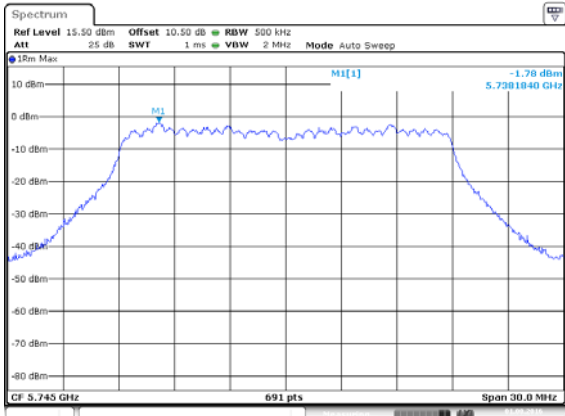
Date: 1.AUG.2016 18:03:09



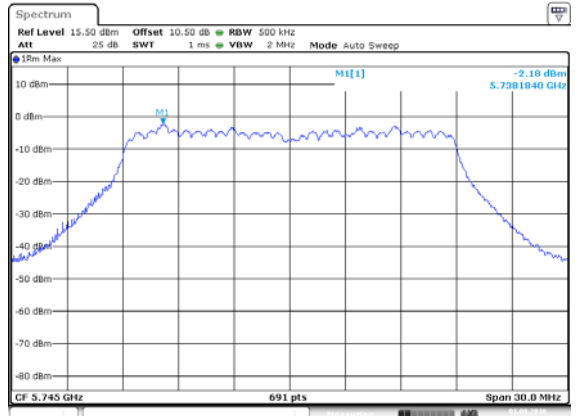
Date: 1.AUG.2016 18:00:01



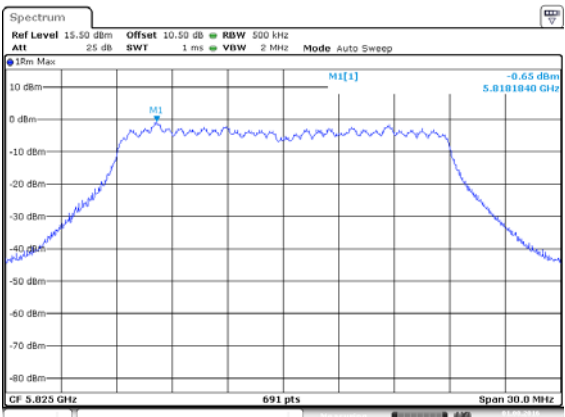
Date: 1.AUG.2016 18:00:25



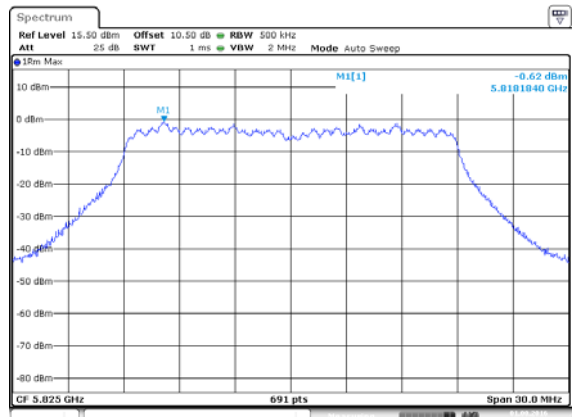
Date: 1.AUG.2016 18:05:58



Date: 1.AUG.2016 18:06:27

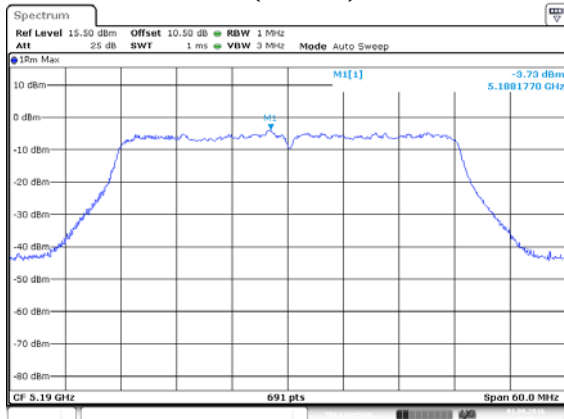


Date: 1.AUG.2016 18:07:24



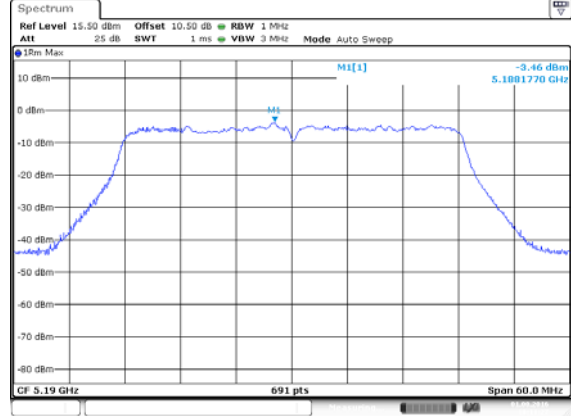
Date: 1.AUG.2016 18:08:00

ANT 1(11N40)

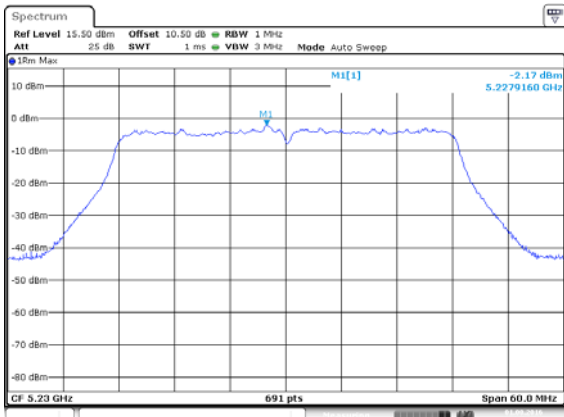


Date: 1.AUG.2016 18:10:27

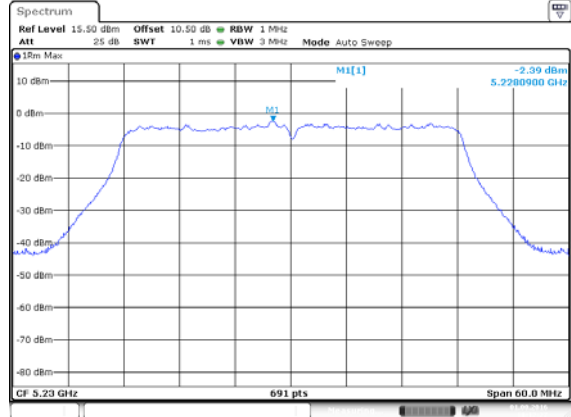
ANT 2(11N40)



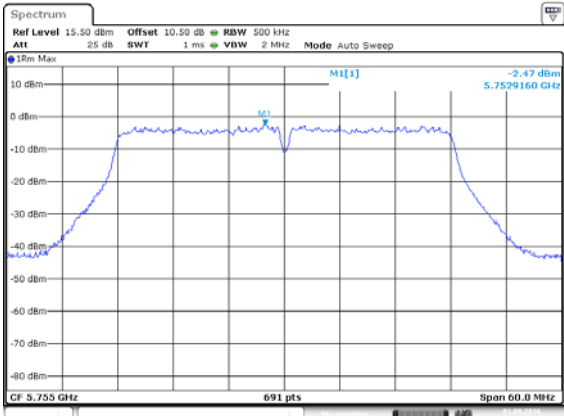
Date: 1.AUG.2016 18:11:27



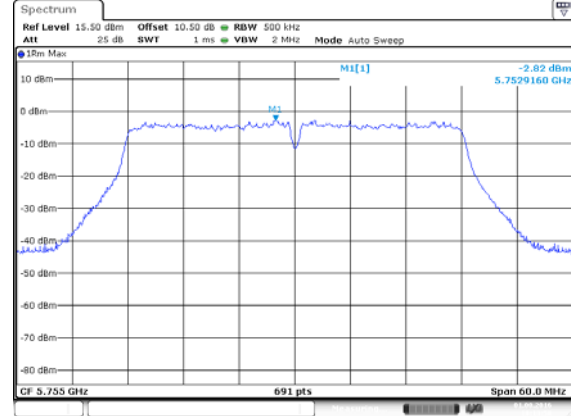
Date: 1.AUG.2016 18:12:12



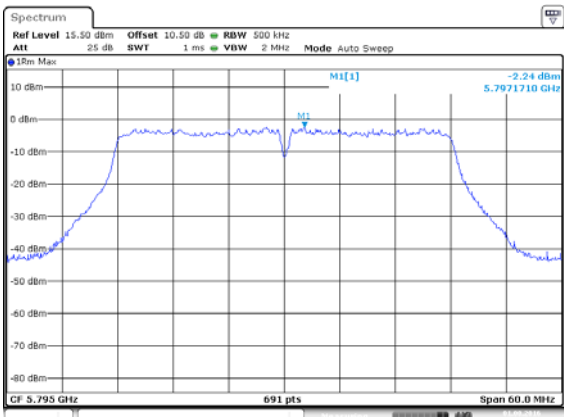
Date: 1.AUG.2016 18:12:27



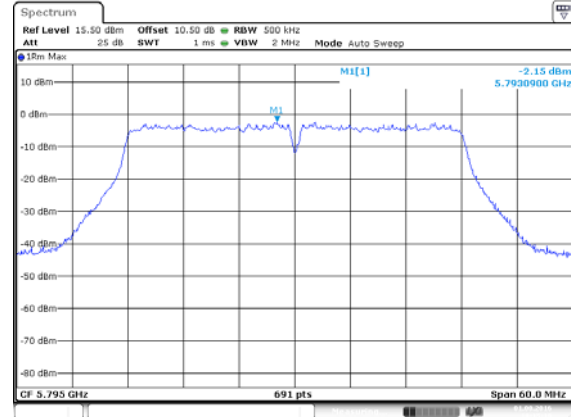
Date: 1.AUG.2016 18:13:44



Date: 1.AUG.2016 18:13:58

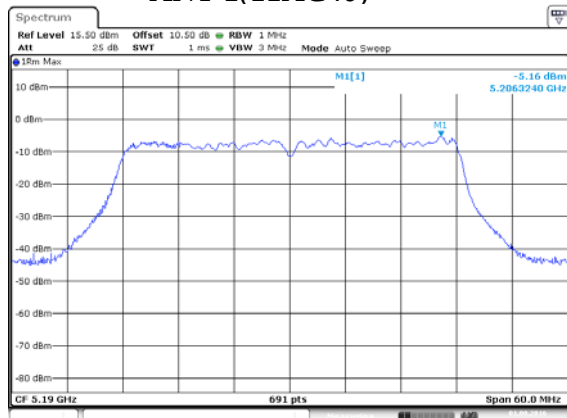


Date: 1.AUG.2016 18:15:01



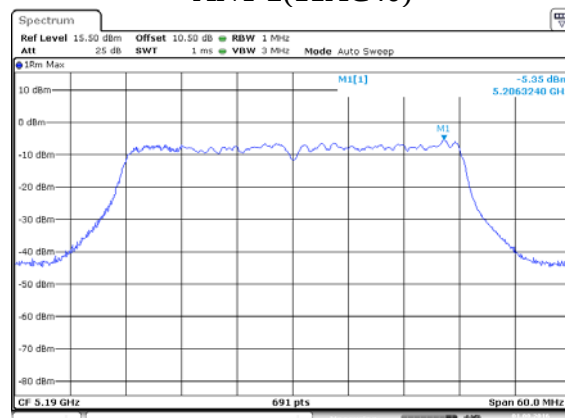
Date: 1.AUG.2016 18:15:19

ANT 1(11AC40)

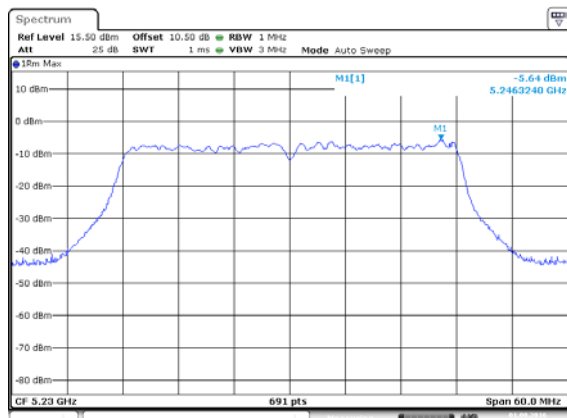


Date: 1.AUG.2016 18:24:09

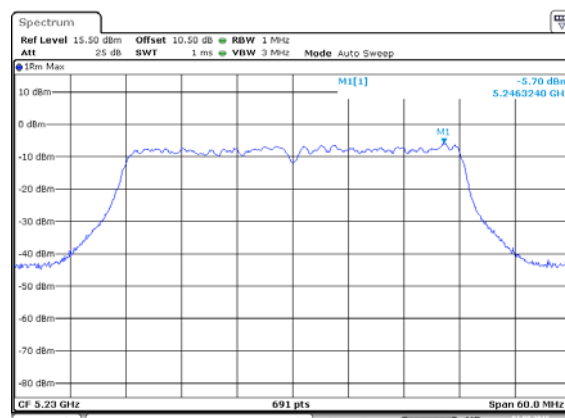
ANT 2(11AC40)



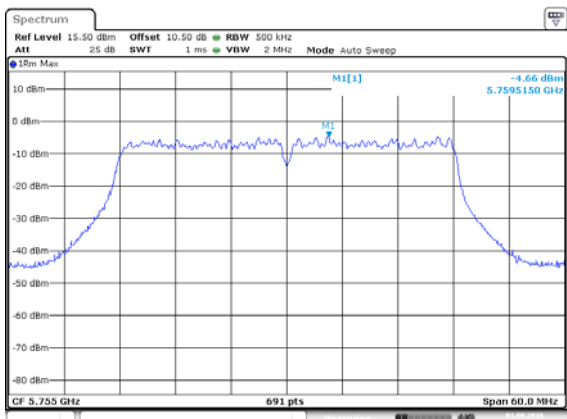
Date: 1.AUG.2016 18:24:52



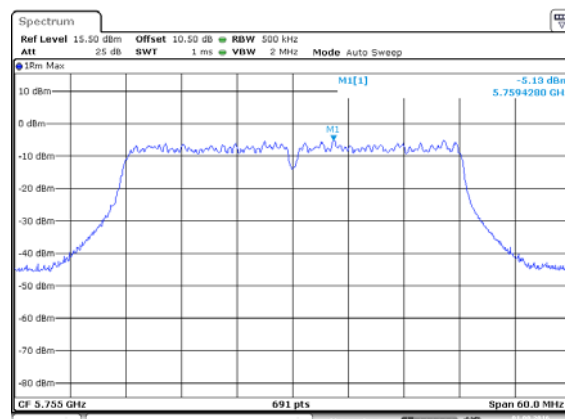
Date: 1.AUG.2016 18:26:30



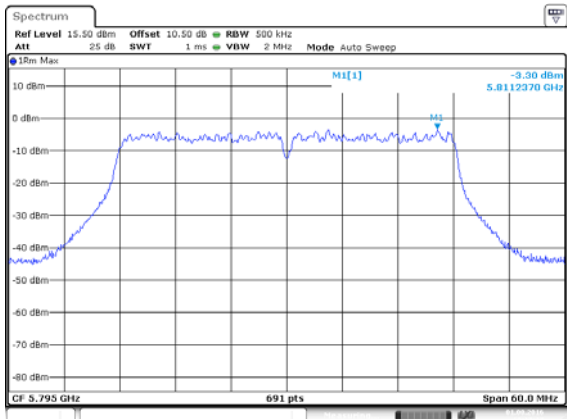
Date: 1.AUG.2016 18:26:44



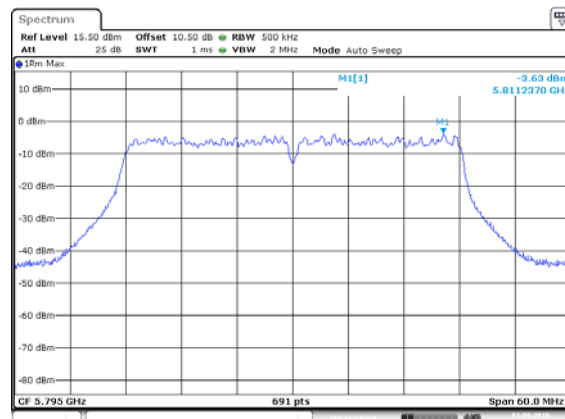
Date: 1.AUG.2016 18:18:46



Date: 1.AUG.2016 18:21:07



Date: 1.AUG.2016 18:17:17



Date: 1.AUG.2016 18:17:39

10. MAXIMUM CONDUCTED (AVERAGE) OUTPUT POWER

10.1. Block Diagram of Test Setup



10.2. The Requirement For Section 15.407

Section 15.407: For the band 5.15–5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 50 mW or $4 \text{ dBm} + 10 \log B$, where B is the 26-dB emission bandwidth in MHz.

For the band 5.725–5.825 GHz, the maximum conducted output power over the frequency band of operation shall not exceed the lesser of 1 W or $17 \text{ dBm} + 10 \log B$, where B is the 26-dB emission bandwidth in MHz.

10.3. EUT Configuration on Measurement

The equipment is installed on the emission Measurement to meet the commission requirements and operating regulations in a manner which tends to maximize its emission characteristics in normal application.

10.4. Operating Condition of EUT

10.4.1. Setup the EUT and simulator as shown as Section 9.1.

10.4.2. Turn on the power of all equipment.

10.4.3. Let the EUT work in TX modes measure it. The transmit frequency are 5150-5250 and 5725-5850MHz.

10.5. Test Procedure

10.5.1. The transmitter output was connected to the spectrum analyzer through a low loss cable.

10.5.2. Set $\text{RBW} = 1\text{-}5\%$ of the OBW, $\text{VBW} \geq 3 \times \text{RBW}$, Sweep time = auto, Set span to at least 1.5 times the OBW, Detector = RMS.

10.5.3. Measurement the Maximum conducted (average) output power.

10.6.Test Result

The test was performed with 802.11A

Channel	Frequency (MHz)	Ave output power ANT 1(dBm)	Ave output power ANT 2 (dBm)	Ave output power ANT 1(mW)	Ave output power ANT 2 (mW)	Limits dBm / W
Low	5180	12.28	12.30	16.90	16.98	24 dBm/0.25 W
High	5240	12.56	12.61	18.03	18.24	24 dBm/0.25 W
Low	5745	12.21	12.30	16.63	16.98	30 dBm / 1 W
High	5825	12.58	12.66	18.11	18.45	30 dBm / 1 W

The test was performed with 802.11N20

Channel	Frequency (MHz)	Ave output power ANT 1(dBm)	Ave output power ANT 2 (dBm)	Ave output Total power (dBm)	Ave output Total power (mW)	Limits dBm / W
Low	5180	12.41	12.36	15.40	34.64	24 dBm/0.25 W
High	5240	12.73	12.81	15.78	37.85	24 dBm/0.25 W
Low	5745	12.41	12.42	15.43	34.88	30 dBm / 1 W
High	5825	13.17	13.03	16.11	40.84	30 dBm / 1 W

The test was performed with 802.11 AC(20MHz)

Channel	Frequency (MHz)	Ave output power ANT 1(dBm)	Ave output power ANT 2 (dBm)	Ave output Total power (dBm)	Ave output Total power (mW)	Limits dBm / W
Low	5180	12.03	12.01	15.03	31.85	24 dBm/0.25 W
High	5240	12.65	12.54	15.61	36.36	24 dBm/0.25 W
Low	5745	12.10	12.04	15.08	32.22	30 dBm / 1 W
High	5825	13.00	12.79	15.91	38.96	30 dBm / 1 W

The test was performed with 802.11N40

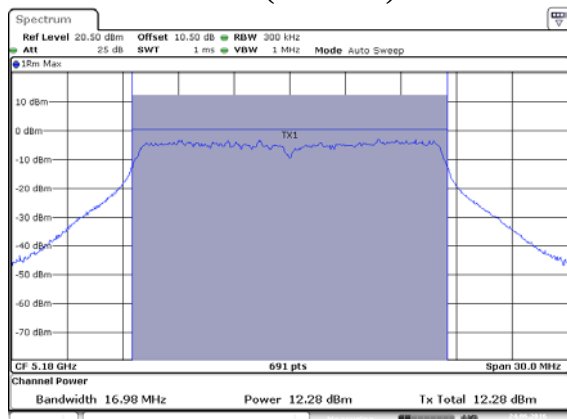
Channel	Frequency (MHz)	Ave output power ANT 1(dBm)	Ave output power ANT 2 (dBm)	Ave output Total power (dBm)	Ave output Total power (mW)	Limits dBm / W
Low	5190	9.95	9.88	12.97	19.83	24 dBm/0.25 W
High	5230	10.31	10.38	13.16	20.69	24 dBm/0.25 W
Low	5755	9.70	10.09	12.96	19.79	30 dBm / 1 W
High	5795	10.04	10.18	13.06	20.22	30 dBm / 1 W

The test was performed with 802.11AC(40MHz)

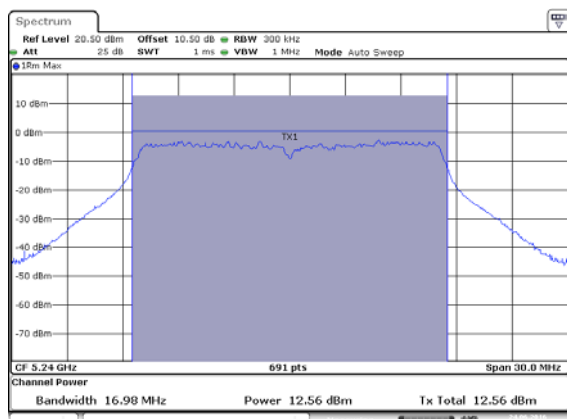
Channel	Frequency (MHz)	Ave output power ANT 1(dBm)	Ave output power ANT 2 (dBm)	Ave output Total power (dBm)	Ave output Total power (mW)	Limits dBm / W
Low	5190	9.60	9.37	12.78	18.97	24 dBm/0.25 W
High	5230	10.59	10.37	13.21	20.96	24 dBm/0.25 W
Low	5755	10.21	9.76	13.00	19.97	30 dBm / 1 W
High	5795	9.78	10.03	12.97	19.81	30 dBm / 1 W

The spectrum analyzer plots are attached as below.

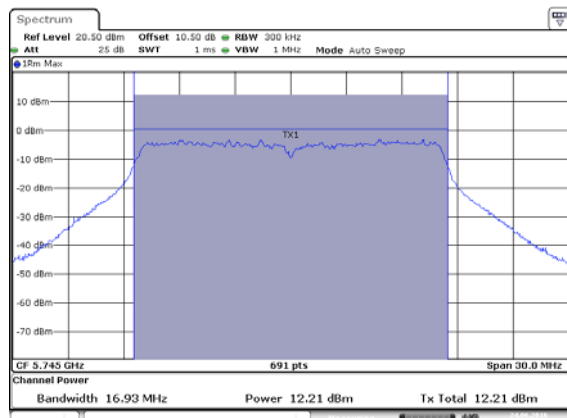
ANT 1(802.11A)



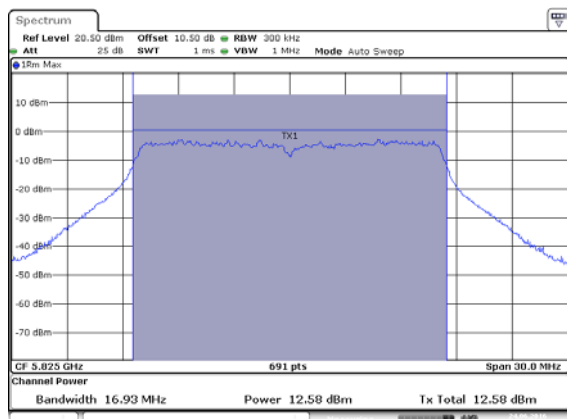
Date: 24 JUN 2016 18:14:13



Date: 24 JUN 2016 18:16:30

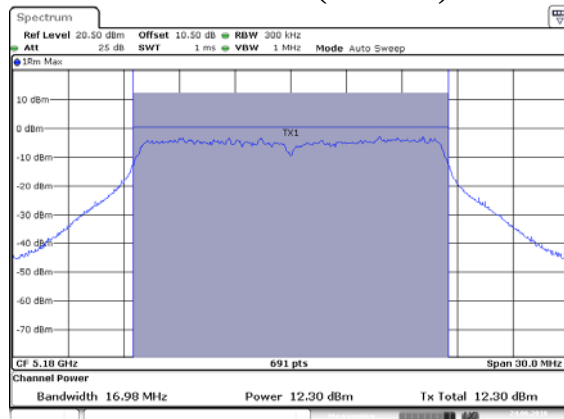


Date: 24 JUN 2016 18:18:48

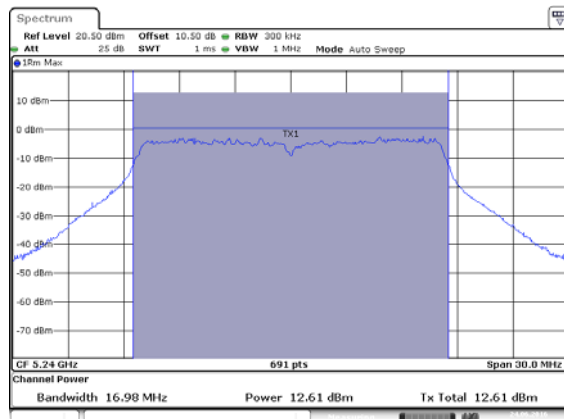


Date: 24 JUN 2016 18:21:17

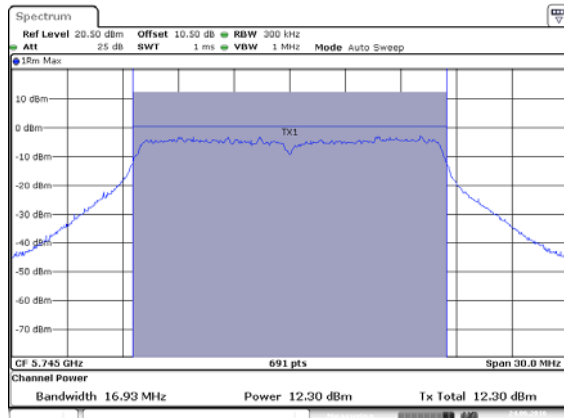
ANT 2(802.11A)



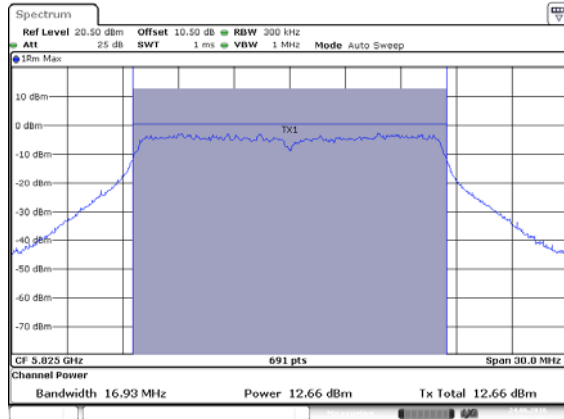
Date: 24 JUN 2016 18:15:11



Date: 24 JUN 2016 18:16:56

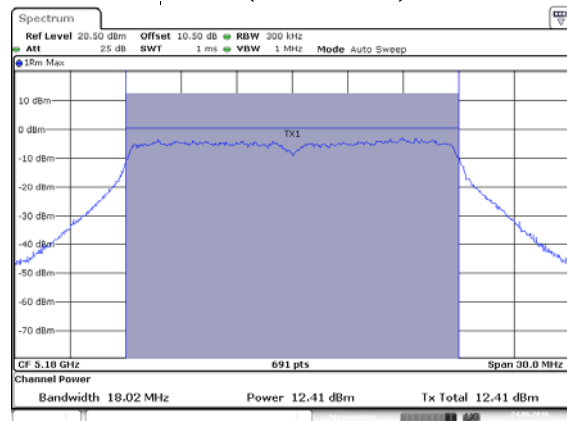


Date: 24 JUN 2016 18:20:03



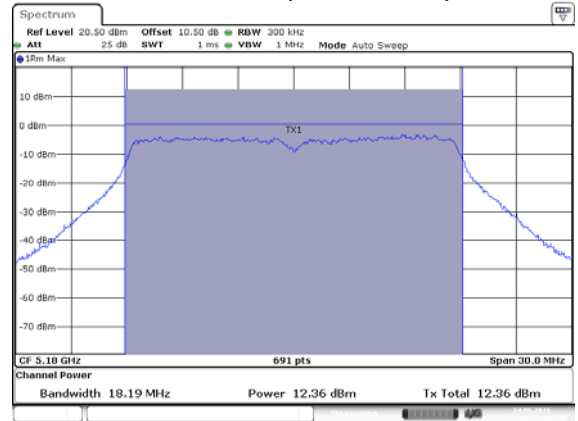
Date: 24 JUN 2016 18:21:37

ANT 1(802.11N20)

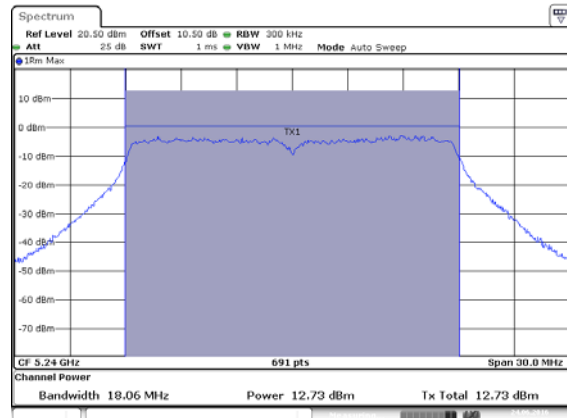


Date: 24 JUN 2016 18:30:14

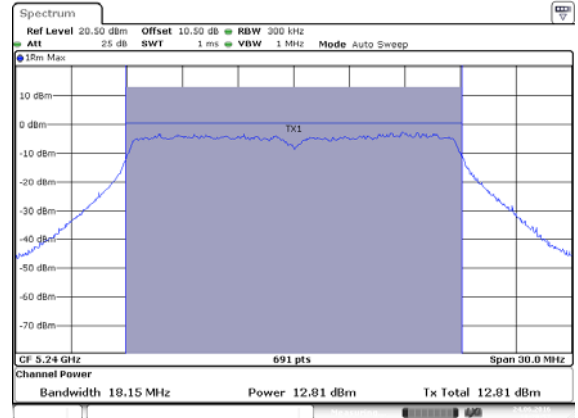
ANT 2(802.11 N20)



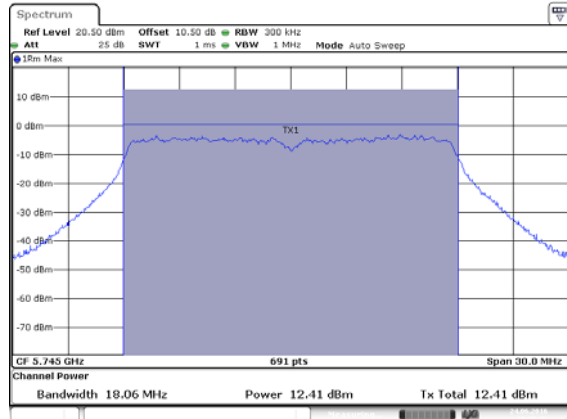
Date: 24 JUN 2016 18:31:11



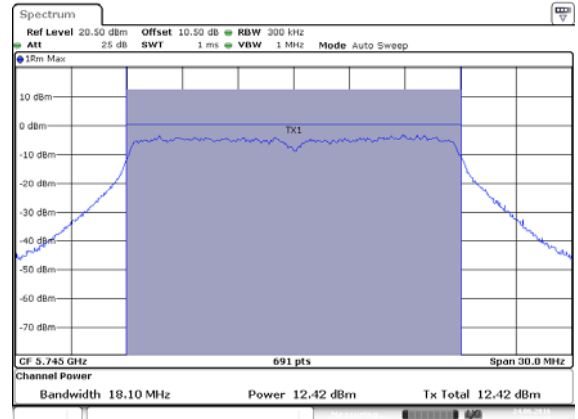
Date: 24 JUN 2016 18:28:26



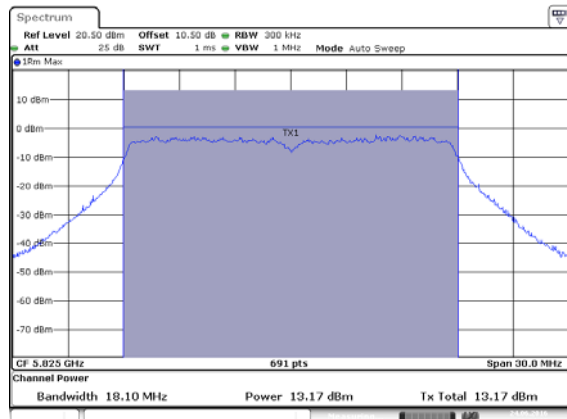
Date: 24 JUN 2016 18:28:57



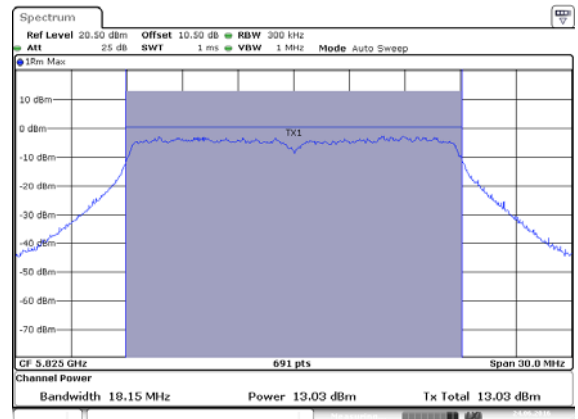
Date: 24 JUN 2016 18:26:46



Date: 24 JUN 2016 18:27:18

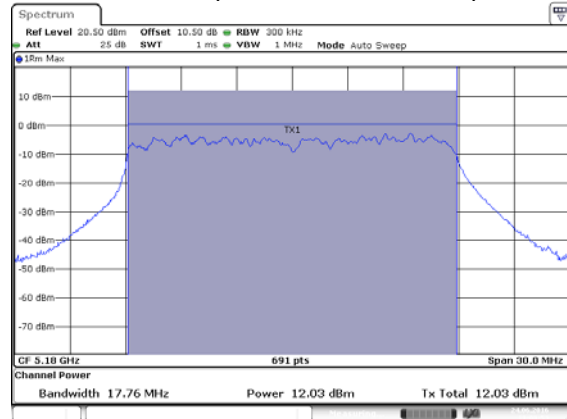


Date: 24 JUN 2016 18:24:11

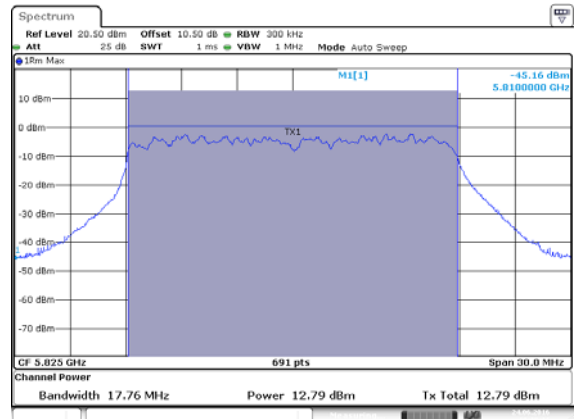
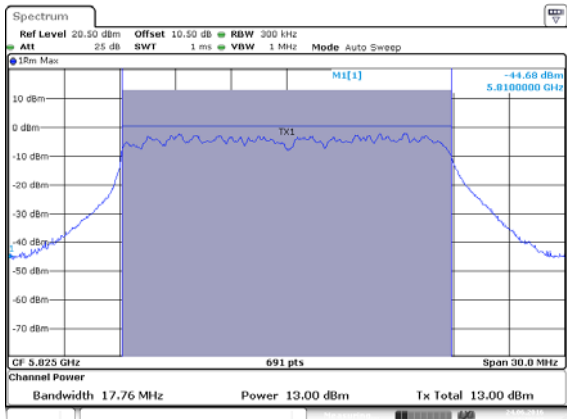
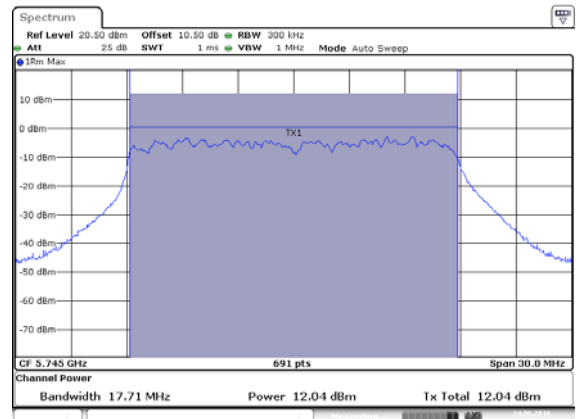
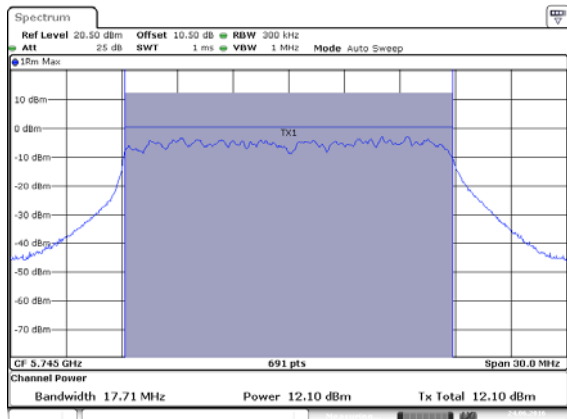
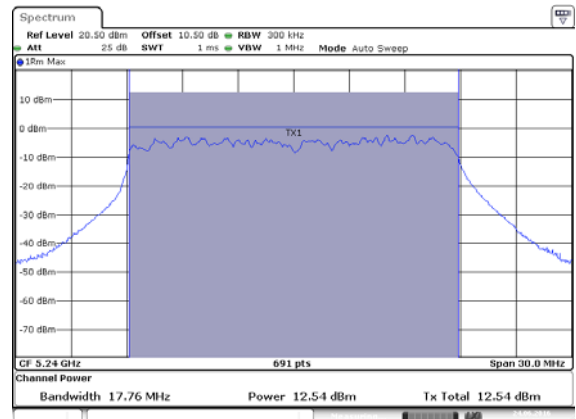
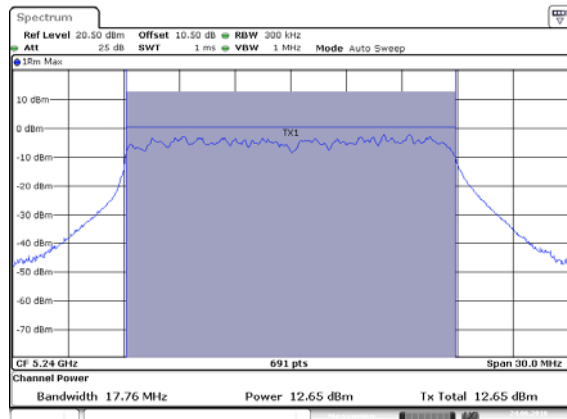
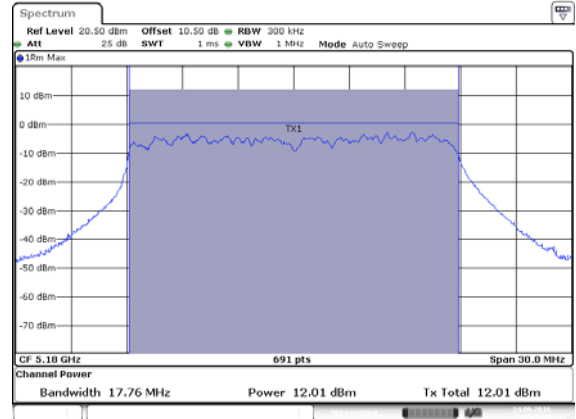


Date: 24 JUN 2016 18:25:27

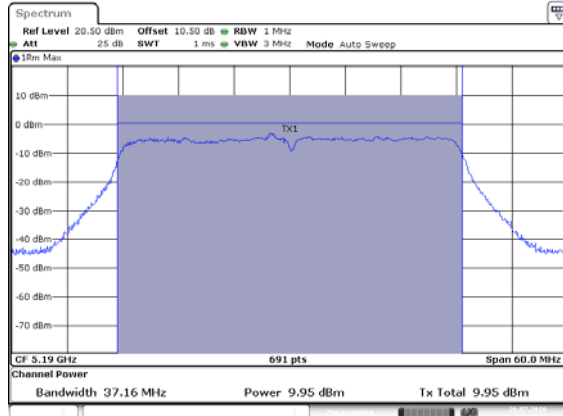
ANT 1(802.11 AC 20MHz)



ANT 2(802.11 AC 20MHz)

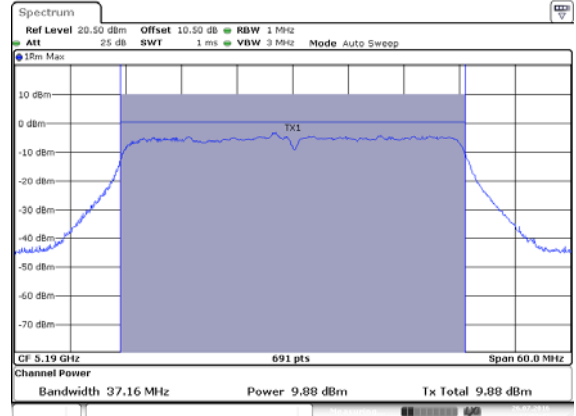


ANT 1(802.11N40)

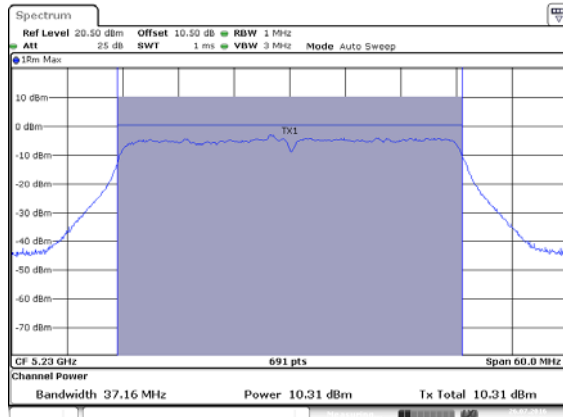


Date: 26.JUL.2016 17:03:02

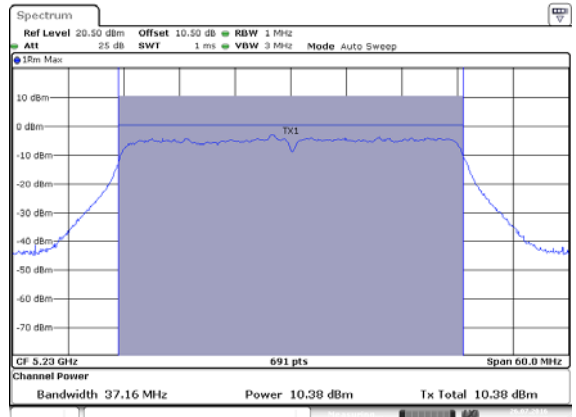
ANT 2(802.11N40)



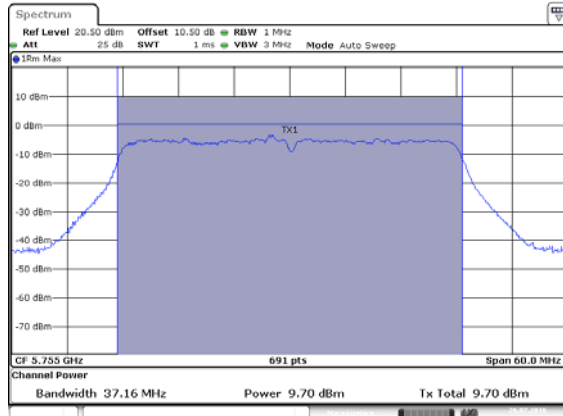
Date: 26.JUL.2016 17:03:47



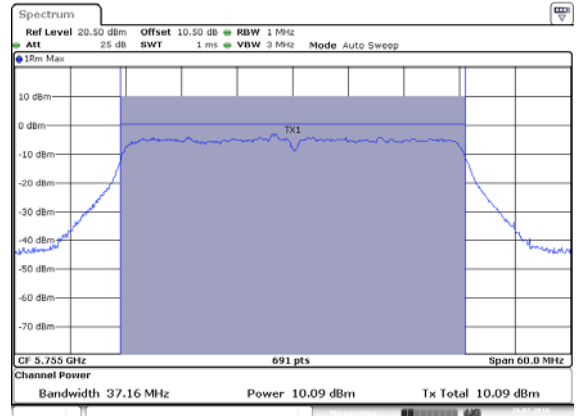
Date: 26.JUL.2016 17:01:06



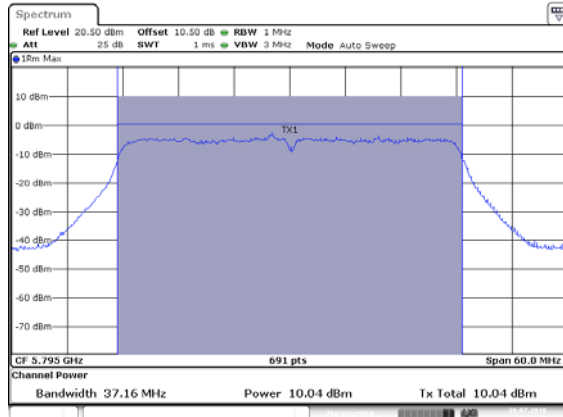
Date: 26.JUL.2016 17:01:37



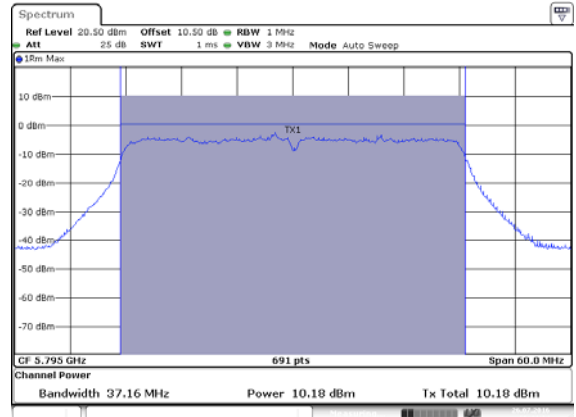
Date: 26.JUL.2016 16:45:54



Date: 26.JUL.2016 16:46:48

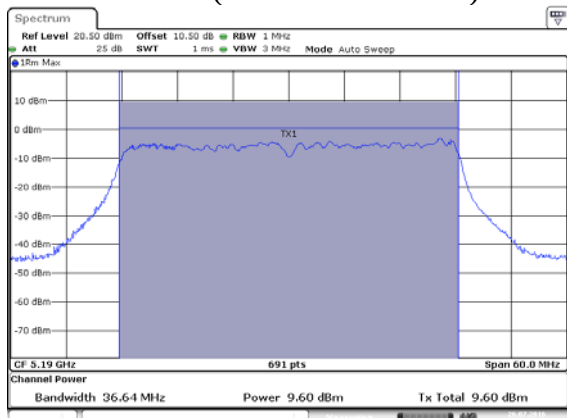


Date: 26.JUL.2016 16:42:05

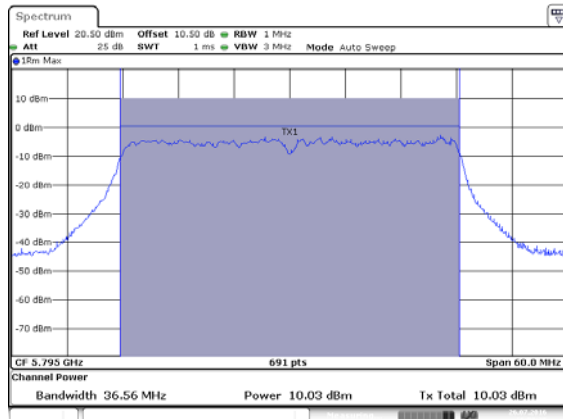
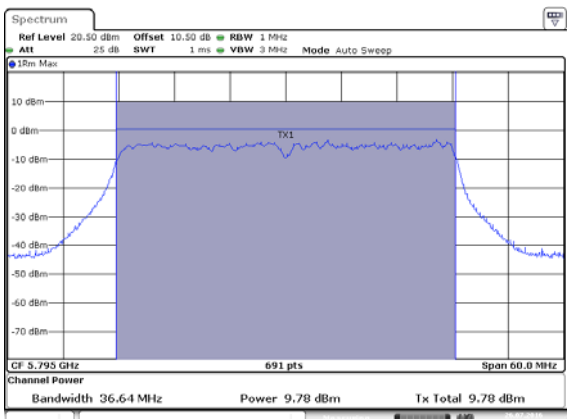
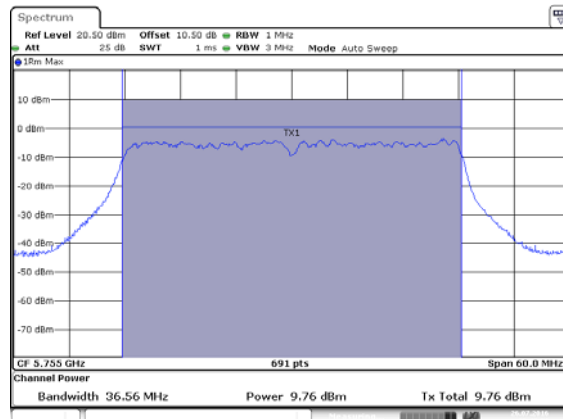
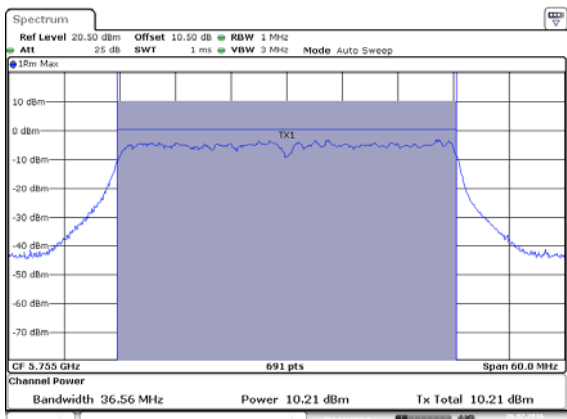
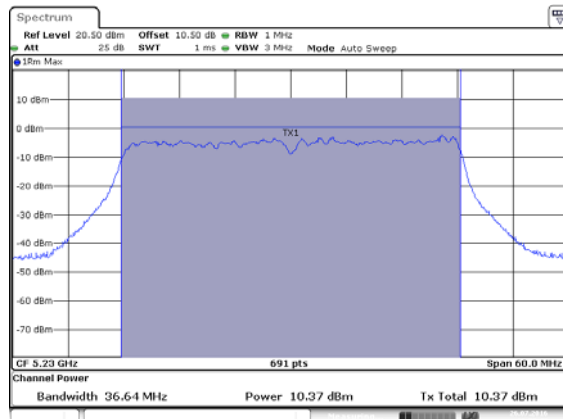
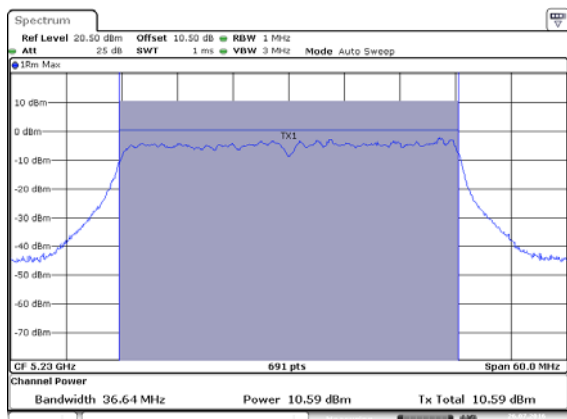
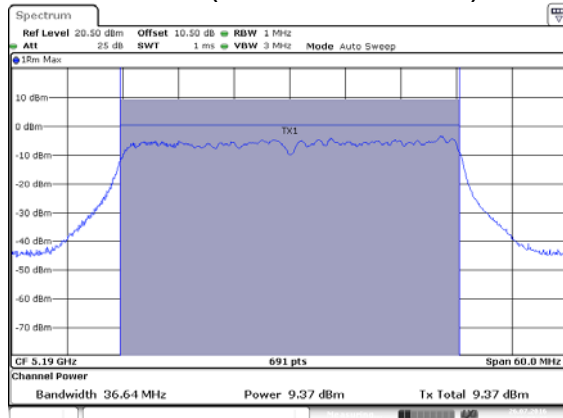


Date: 26.JUL.2016 16:44:14

ANT 1(802.11 AC 40MHz)



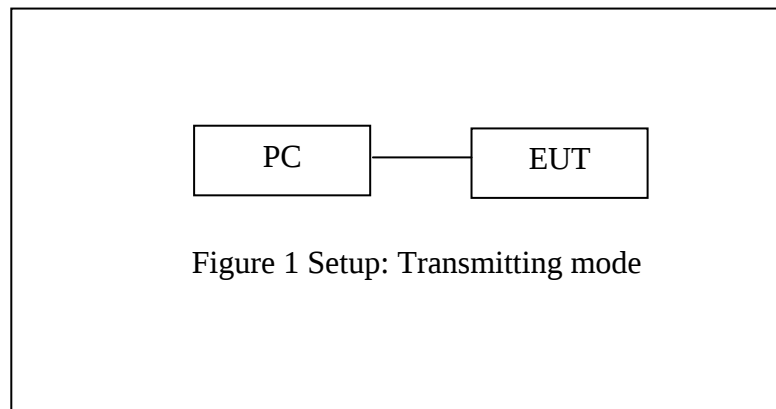
ANT 2(802.11 AC 40MHz)



11.RADIATED SPURIOUS EMISSION TEST

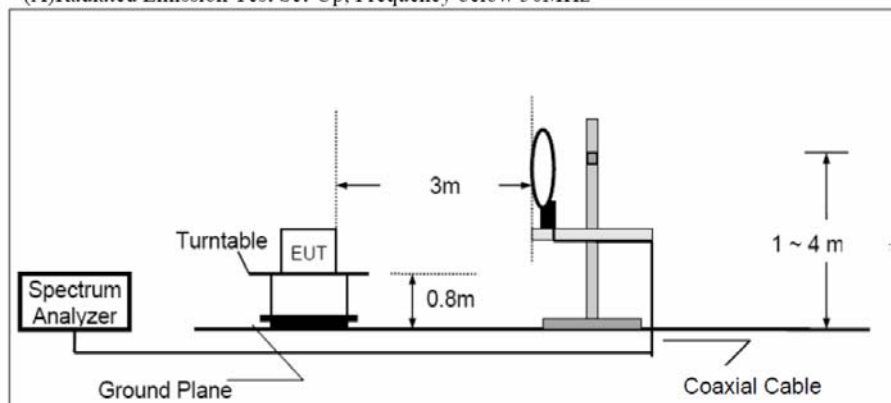
11.1.Block Diagram of Test Setup

11.1.1.Block diagram of connection between the EUT and peripherals

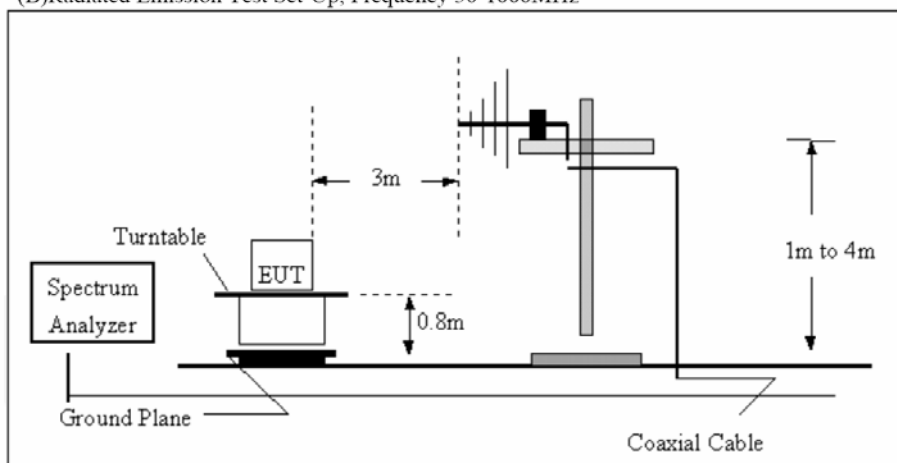


11.1.2.Semi-Anechoic Chamber Test Setup Diagram

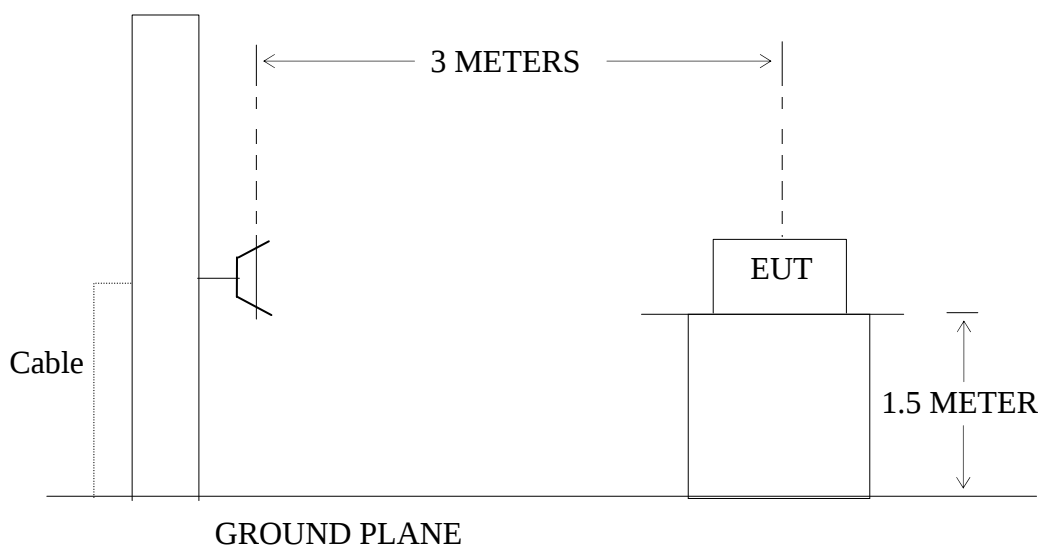
(A)Radiated Emission Test Set-Up, Frequency below 30MHz



(B)Radiated Emission Test Set-Up, Frequency 30-1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1GHz



11.2.Restricted bands of operation

11.2.1.FCC Part 15.205 Restricted bands of operation

(a) Except as shown in paragraph (d) of this section, Only spurious emissions are permitted in any of the frequency bands listed below:

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)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510

²Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emission appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000MHz, Compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000MHz, compliance with the emission limits in Section 15.209 shall be demonstrated

based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

11.3.Configuration of EUT on Measurement

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

11.4.The Limit For Section 15.407

Section 15.247(d): For transmitters operating in the 5.15–5.25 GHz band: all emissions out-side of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz . For transmitters operating in the 5.725–5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17dBm/MHz ; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27dBm/MHz .

11.5.Operating Condition of EUT

11.5.1.Setup the EUT and simulator as shown as Section 11.1.

11.5.2.Turn on the power of all equipment.

11.5.3.Let the EUT work in TX modes measure it. The transmit frequency are 5150-5250 and 5725-5825MHz.

11.6.Test Procedure

The EUT and its simulators are placed on a turntable, which is 0.8 meter high above ground(Below 1GHz). The EUT and its simulators are placed on a turntable, which is 1.5 meter high above ground(Above 1GHz). The turntable can rotate 360 degrees to determine the position of the maximum emission level. EUT is set 3.0 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down between 1.0 meter and 4 meters to find out the maximum emission level. Broadband antenna (calibrated bi-log antenna) is used as receiving antenna. Both horizontal and vertical polarizations of the antenna are set on measurement. In order to find the maximum emission levels, all of the EUT location must be manipulated according to ANSI C63.10:2013 on radiated emission measurement. The EUT was tested in 3 orthogonal planes.

The frequency range from 9KHz to 40000MHz is checked.

Result = Reading + Corrected Factor

Where Corrected Factor = Antenna Factor + Cable Loss – Amplifier Gain

During the radiated emission test, the spectrum analyzer was set with the following configurations:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
4. All modes of operation were investigated and the worst-case emissions are reported.

11.7.The Field Strength of Radiation Emission Measurement Results

Note: 1. Emissions attenuated more than 20 dB below the permissible value are not reported.

2. *: Denotes restricted band of operation.

3. The fundamental radiated emissions were reduced by Band Reject Filter in the attached plots.

4. The EUT is tested radiation emission at each test mode (802.11a/ac/n) in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots.

6. The average measurement was not performed when peak measured data under the limit of average detection.

Below 1G

Job No.: STAR2015 #1411

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 36-AC 20MHz(MIMO)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

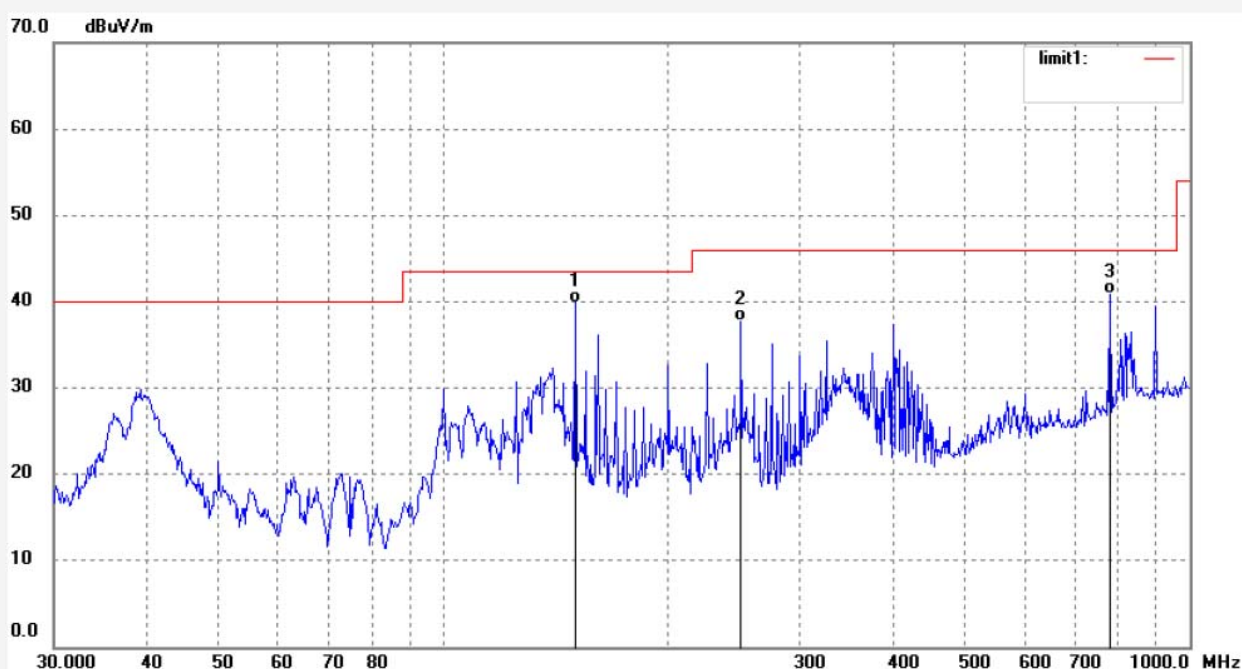
Date: 2016/06/25

Time: 19:48:33

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	150.0108	55.06	-15.16	39.90	43.50	-3.60	QP			
2	250.3012	48.49	-10.77	37.72	46.00	-8.28	QP			
3	782.3453	41.30	-0.37	40.93	46.00	-5.07	QP			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1412

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 36-AC 20MHz(MIMO)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

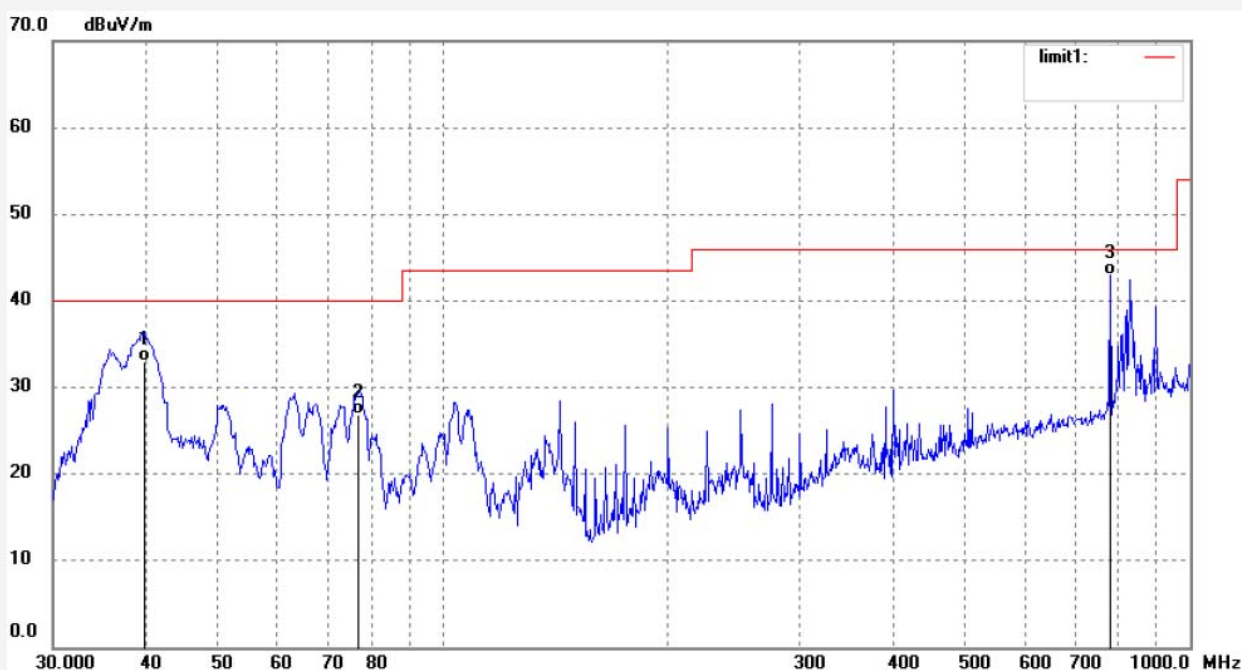
Date: 2016/06/25

Time: 19:49:23

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.7146	44.50	-11.48	33.02	40.00	-6.98	QP			
2	76.7808	43.52	-16.67	26.85	40.00	-13.15	QP			
3	782.3453	43.39	-0.37	43.02	46.00	-2.98	QP			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1414

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 48-AC 20MHz(MIMO)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

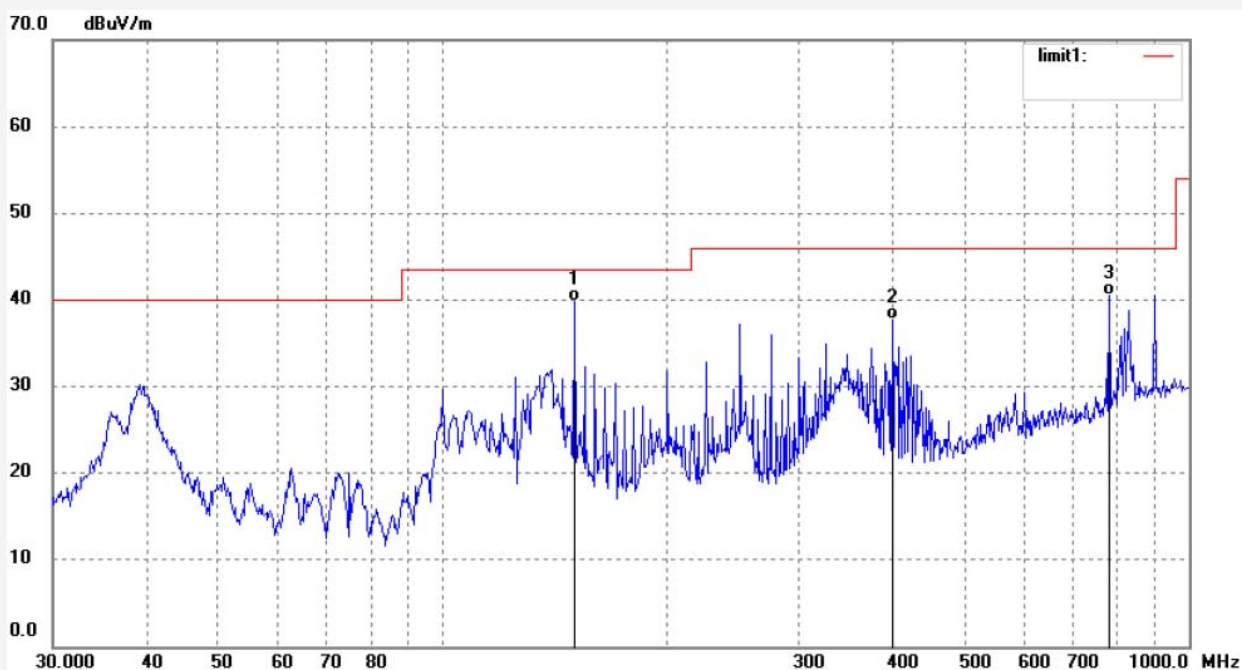
Date: 2016/06/25

Time: 19:50:45

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	150.0107	54.96	-15.16	39.80	43.50	-3.70	QP			
2	400.4318	44.54	-6.81	37.73	46.00	-8.27	QP			
3	782.3452	40.96	-0.37	40.59	46.00	-5.41	QP			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1413

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 48-AC 20MHz(MIMO)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

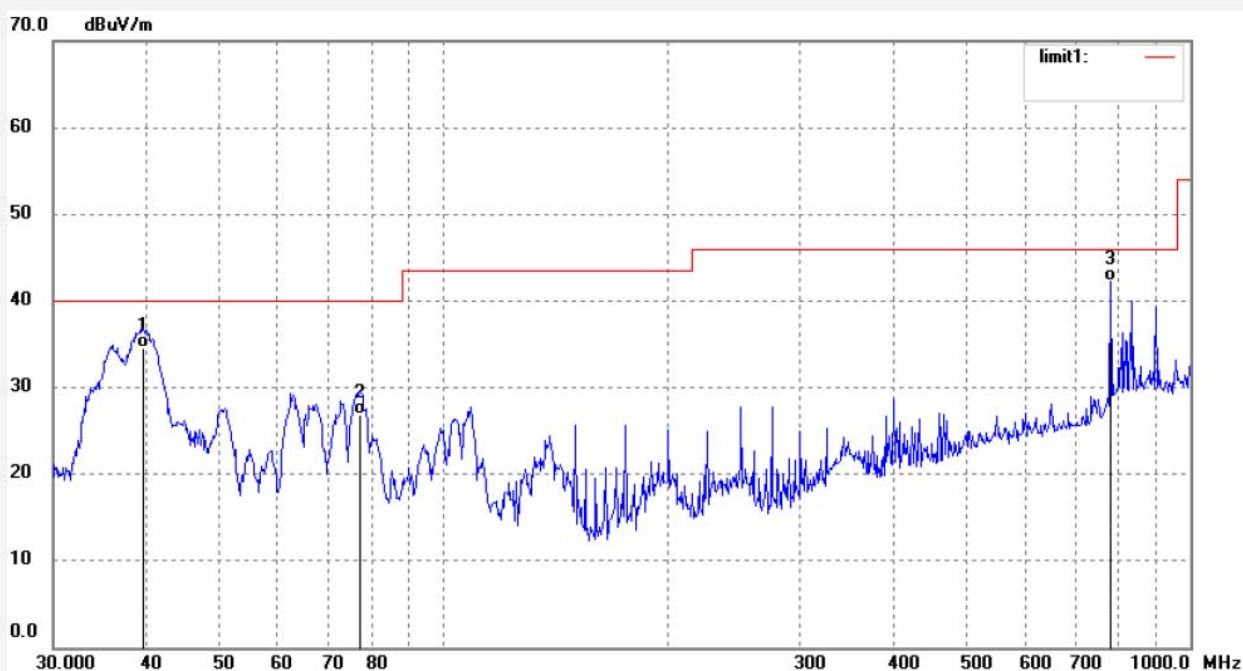
Date: 2016/06/25

Time: 19:50:00

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.5757	46.03	-11.45	34.58	40.00	-5.42	QP			
2	77.3212	43.50	-16.65	26.85	40.00	-13.15	QP			
3	782.3453	42.71	-0.37	42.34	46.00	-3.66	QP			

Job No.: STAR2015 #1415

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 149-AC 20MHz(MIMO)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Horizontal

Power Source: DC 12V

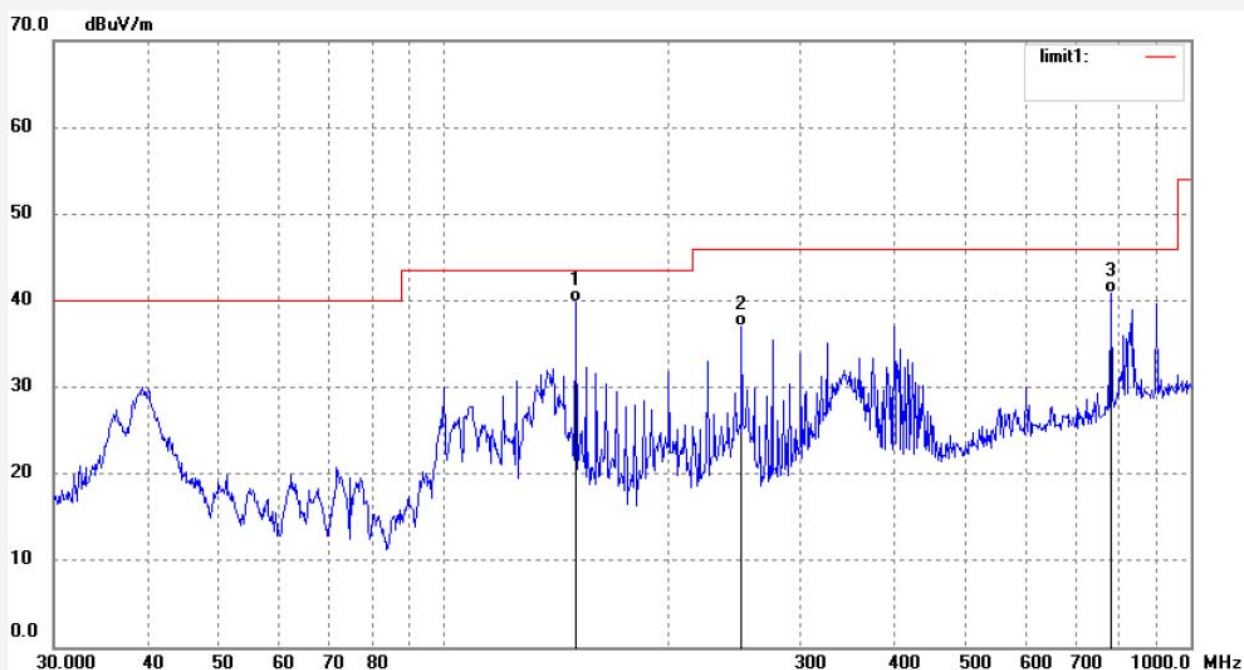
Date: 2016/06/25

Time: 19:51:28

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	150.0107	54.92	-15.16	39.76	43.50	-3.74	QP			
2	250.3011	47.80	-10.77	37.03	46.00	-8.97	QP			
3	782.3452	41.25	-0.37	40.88	46.00	-5.12	QP			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

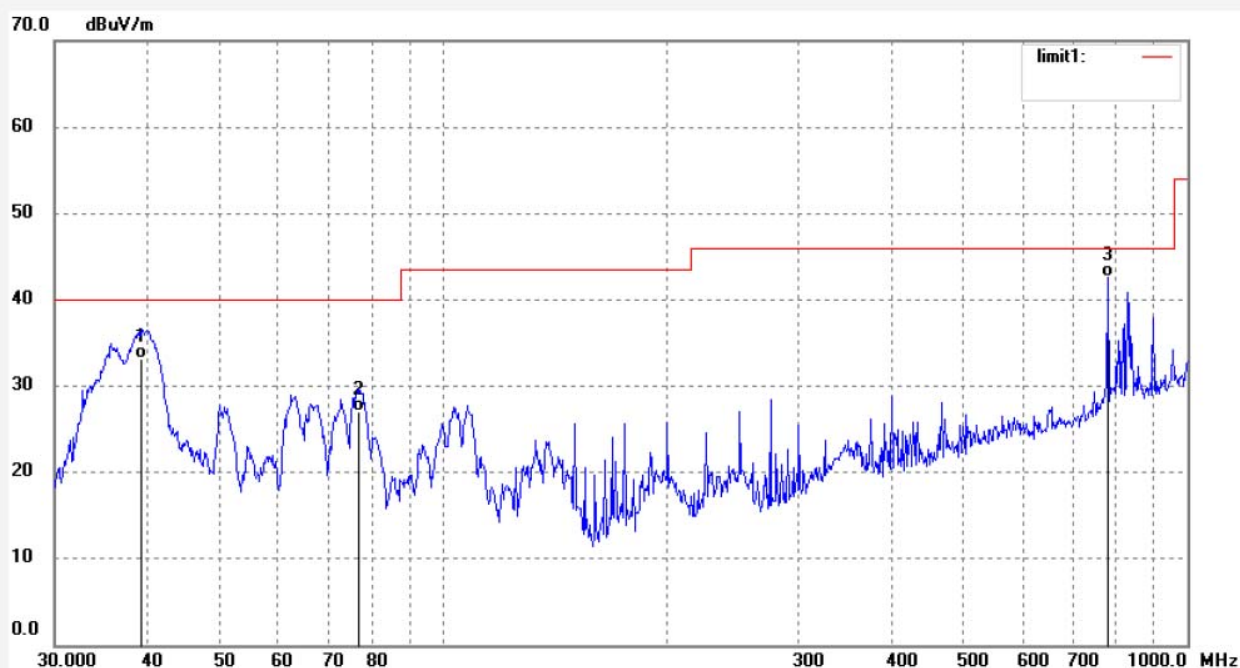
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1416
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 149-AC 20MHz(MIMO)
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Vertical
Power Source: DC 12V
Date: 2016/06/25
Time: 19:52:10
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.1616	44.61	-11.36	33.25	40.00	-6.75	QP			
2	77.0505	43.72	-16.66	27.06	40.00	-12.94	QP			
3	782.3453	42.96	-0.37	42.59	46.00	-3.41	QP			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

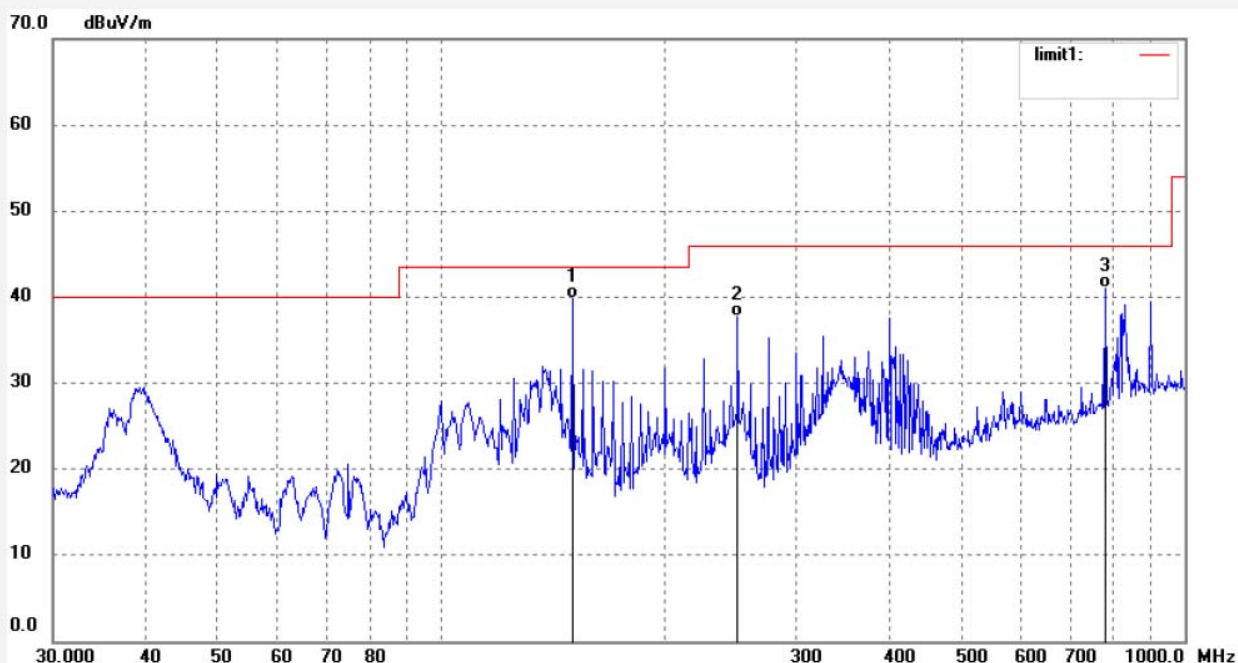
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1418
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 165-AC 20MHz(MIMO)
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 2016/06/25
Time: 19:53:32
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	150.0108	54.98	-15.16	39.82	43.50	-3.68	QP			
2	250.3012	48.57	-10.77	37.80	46.00	-8.20	QP			
3	782.3453	41.42	-0.37	41.05	46.00	-4.95	QP			

Job No.: STAR2015 #1417

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 165-AC 20MHz(MIMO)

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

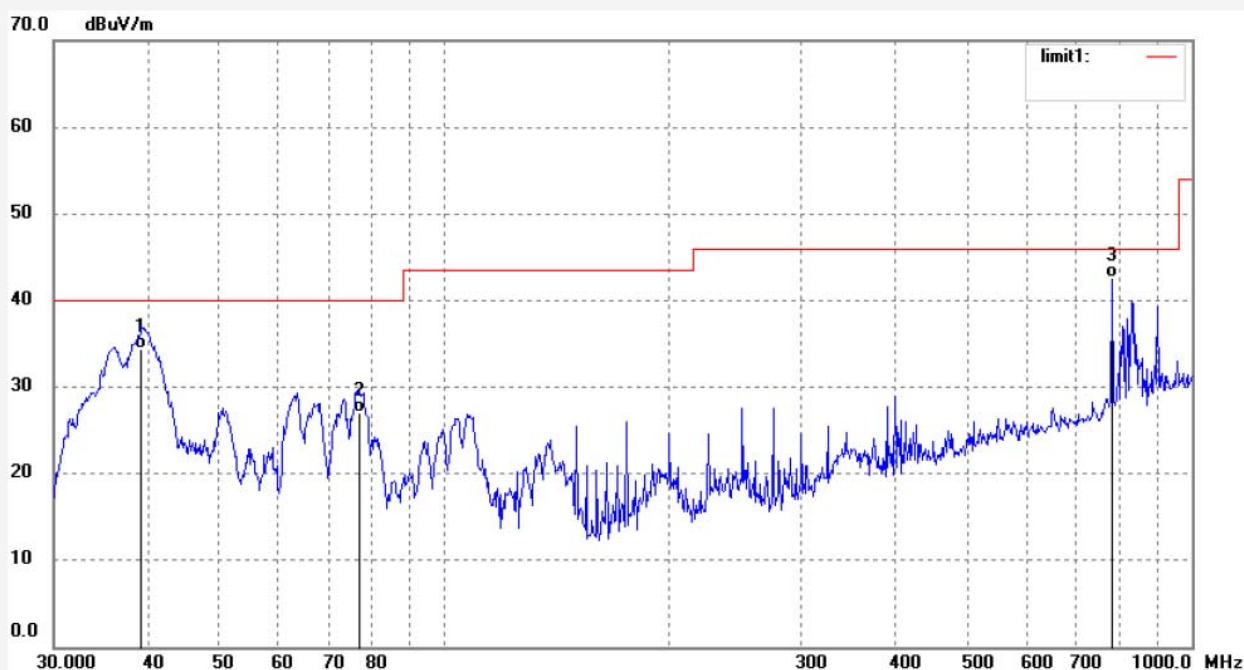
Date: 2016/06/25

Time: 19:52:50

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	39.2991	45.70	-11.39	34.31	40.00	-5.69	QP			
2	77.0505	43.67	-16.66	27.01	40.00	-12.99	QP			
3	782.3453	43.00	-0.37	42.63	46.00	-3.37	QP			

Above 1G



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

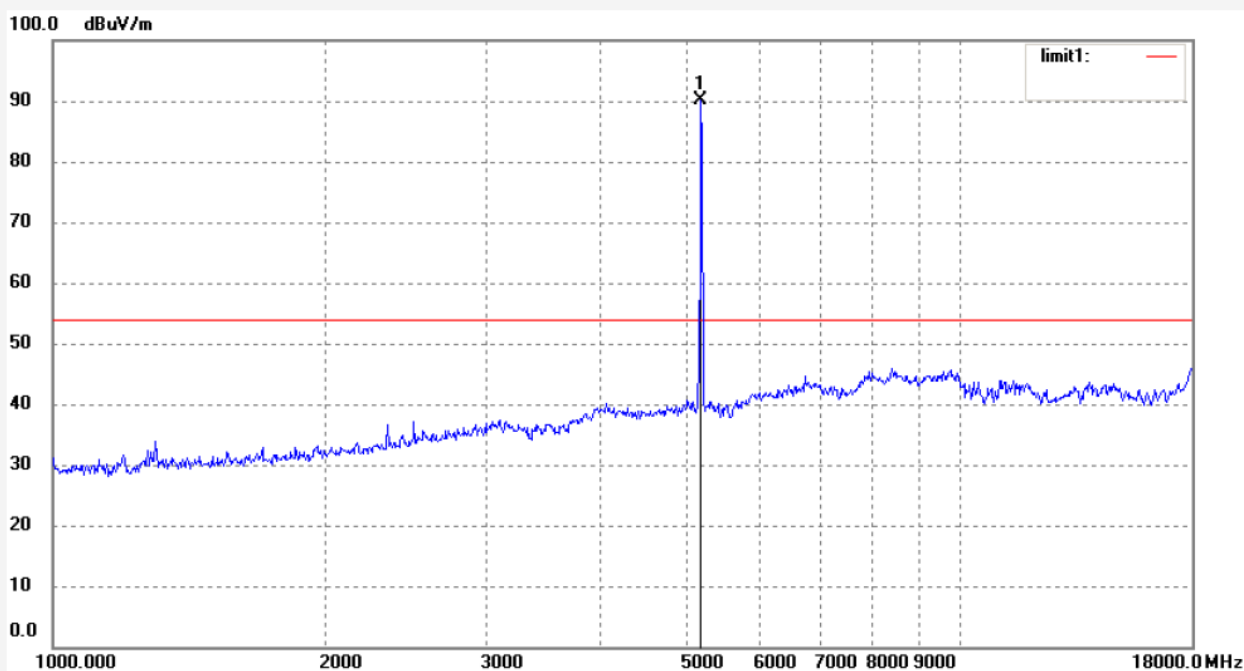
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1365
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 36-A
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 2016/06/25
Time: 18:40:04
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5179.049	89.41	0.61	90.02			peak			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1366

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 23 C / 48 %

EUT: WiFi module

Mode: TX Channel 36-A

Model: WPC0GR2231

Manufacturer: Prima

Polarization: Vertical

Power Source: DC 12V

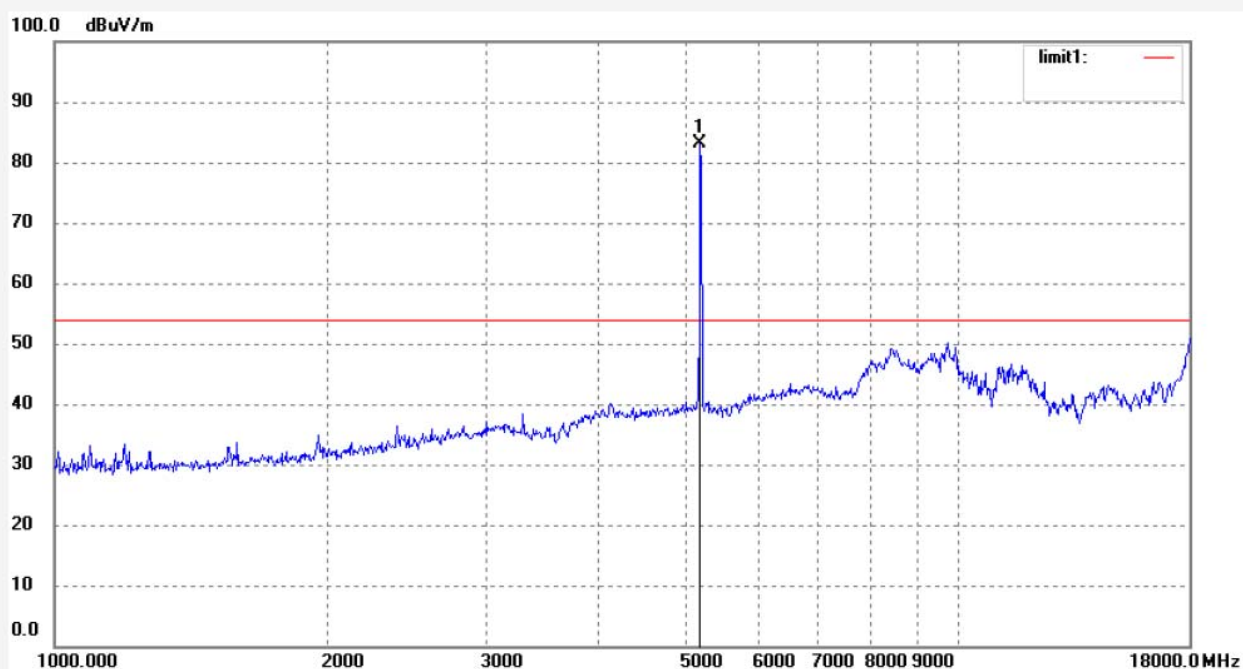
Date: 2016/06/25

Time: 18:41:06

Engineer Signature:

Distance: 3m

Note: Report NO.:ATE20161393

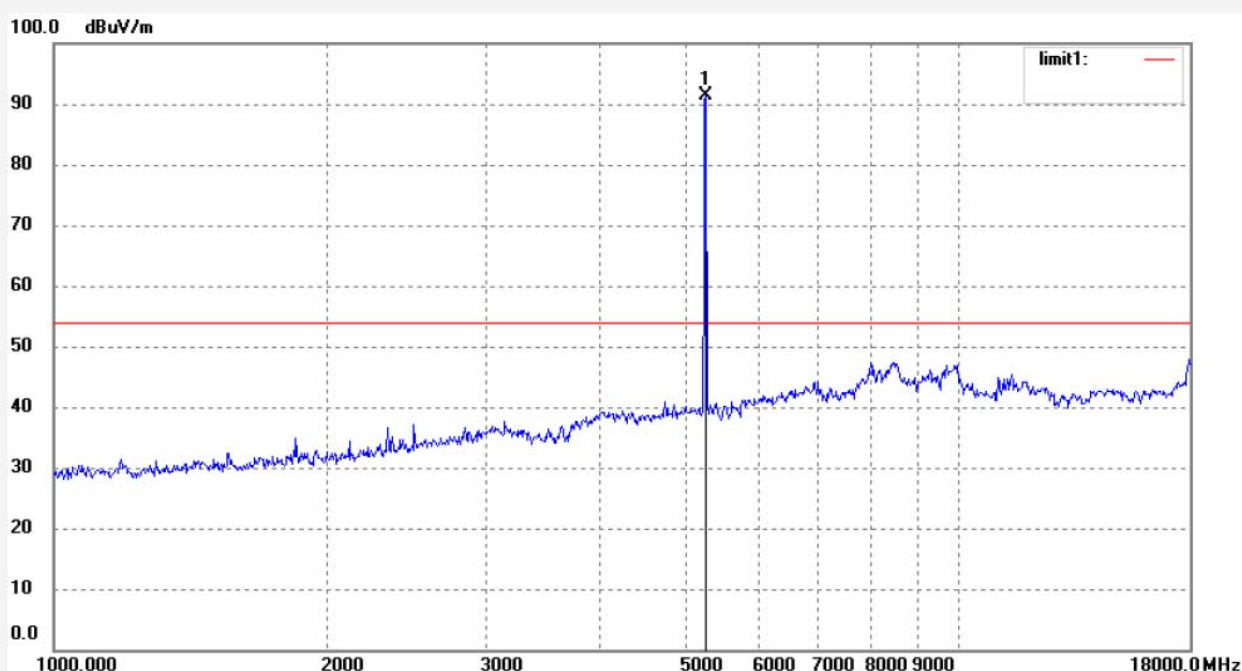


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5179.049	82.56	0.61	83.17			peak			

Job No.: STAR2015 #1368
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 48-A
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 2016/06/25
Time: 18:52:56
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5254.440	90.53	0.87	91.40			peak			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

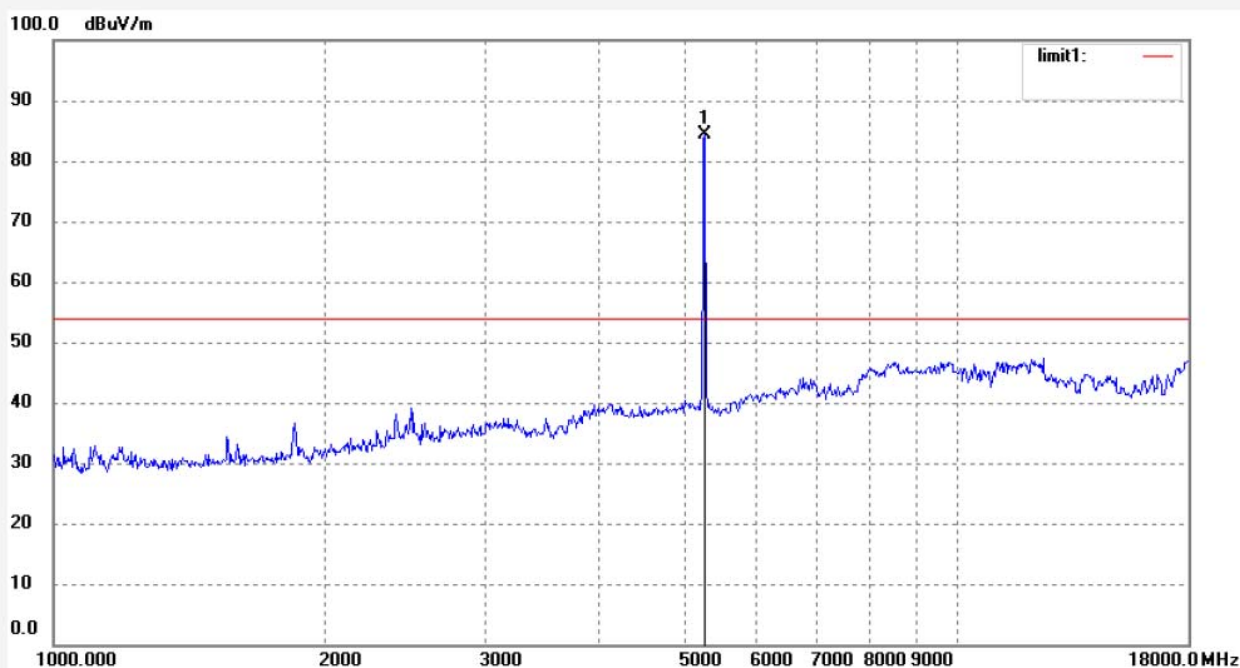
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1367
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 48-A
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Vertical
Power Source: DC 12V
Date: 2016/06/25
Time: 18:52:12
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393

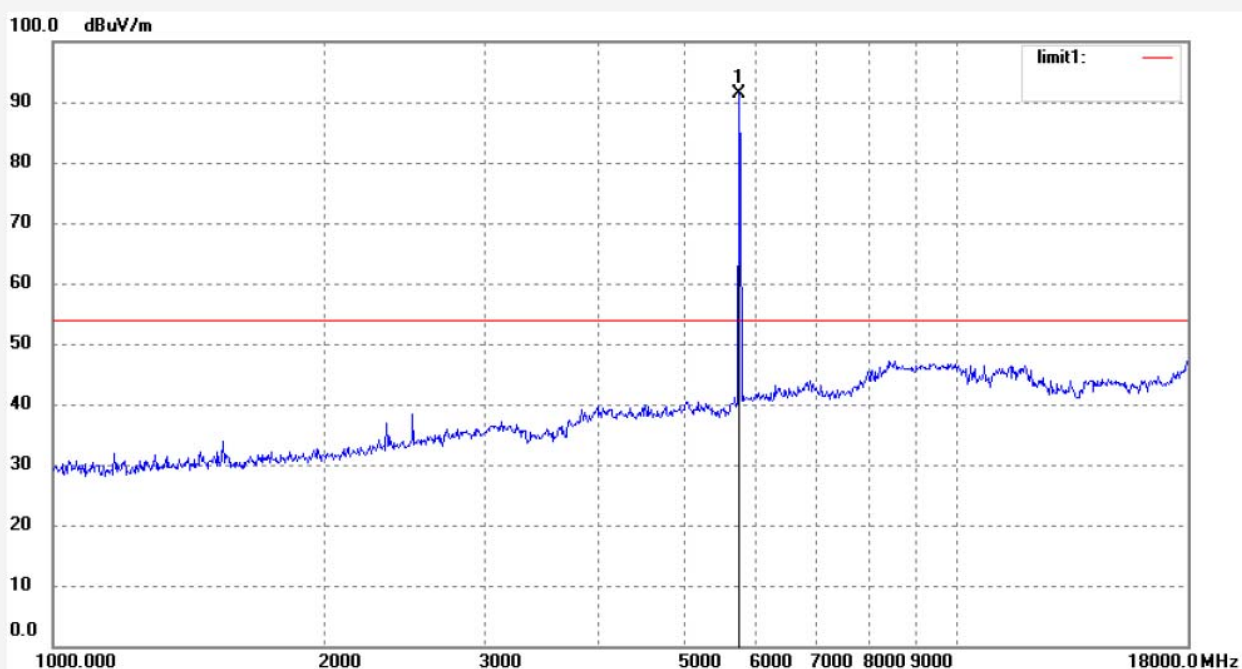


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5254.440	83.56	0.87	84.43			peak			

Job No.: STAR2015 #1369
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 149-A
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 2016/06/25
Time: 18:54:44
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393

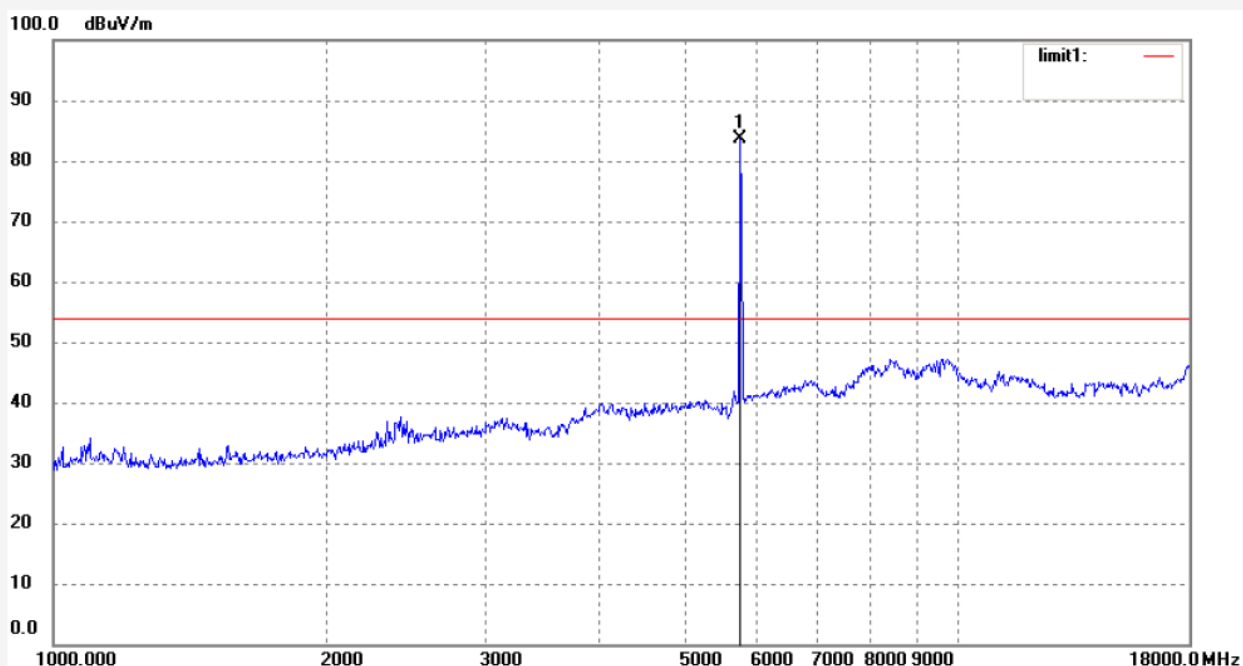


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5746.982	89.87	1.53	91.40			peak			

Job No.: STAR2015 #1370
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 149-A
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Vertical
Power Source: DC 12V
Date: 2016/06/25
Time: 18:55:46
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5746.982	82.18	1.53	83.71			peak			



ACCURATE TECHNOLOGY CO., LTD.

F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 2# Chamber

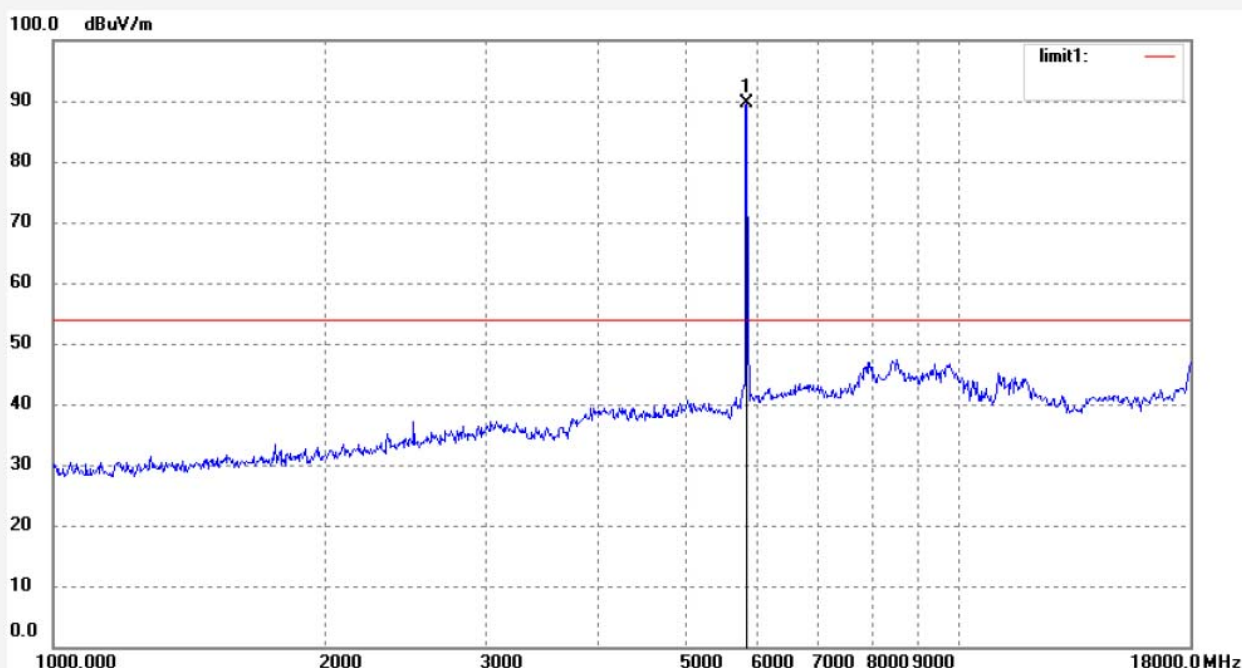
Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR2015 #1372
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 165-A
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 2016/06/25
Time: 18:58:52
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393

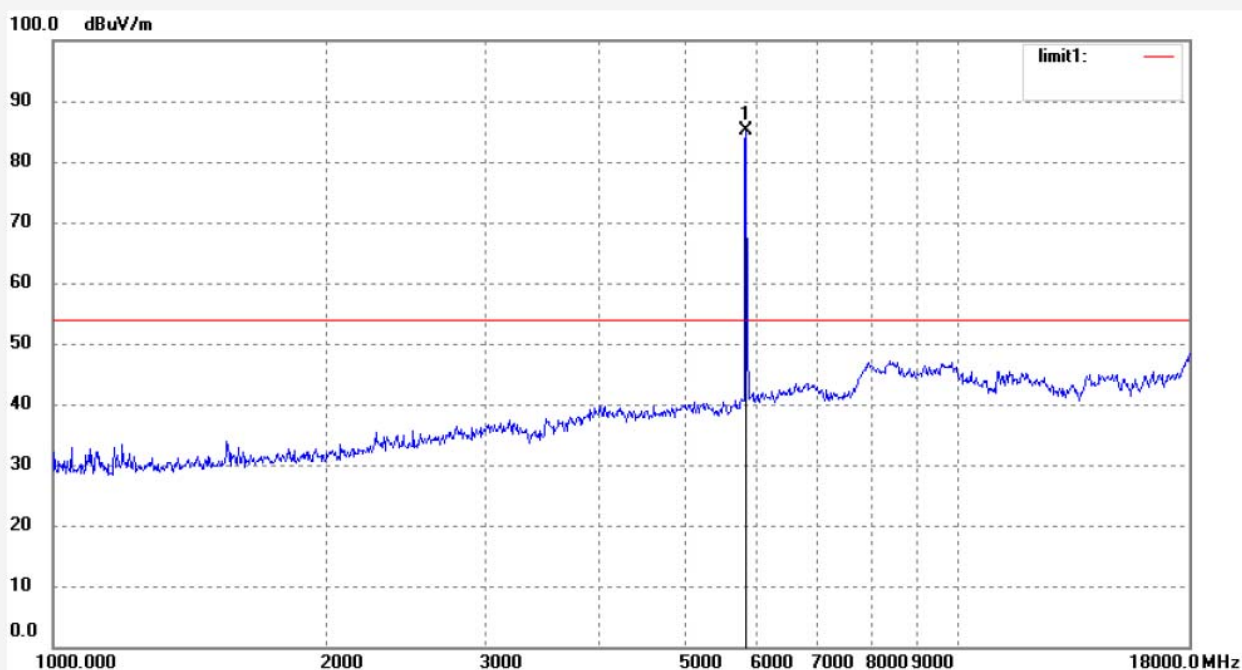


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5830.640	87.69	1.97	89.66			peak			

Job No.: STAR2015 #1371
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 165-A
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Vertical
Power Source: DC 12V
Date: 2016/06/25
Time: 18:58:07
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393

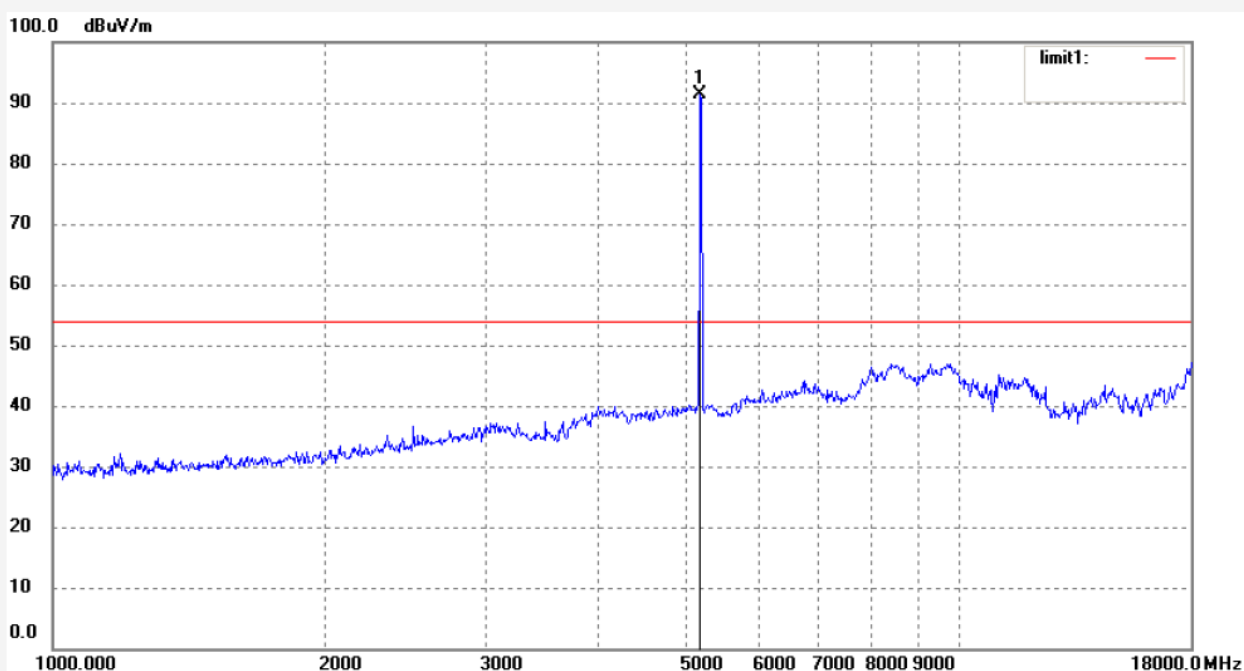


No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5830.640	83.04	1.97	85.01			peak			

Job No.: STAR2015 #1373
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 23 C / 48 %
EUT: WiFi module
Mode: TX Channel 36-AC
Model: WPC0GR2231
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 2016/06/25
Time: 19:01:28
Engineer Signature:
Distance: 3m

Note: Report NO.:ATE20161393



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5179.049	90.79	0.61	91.40			peak			