



ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2562

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 1(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

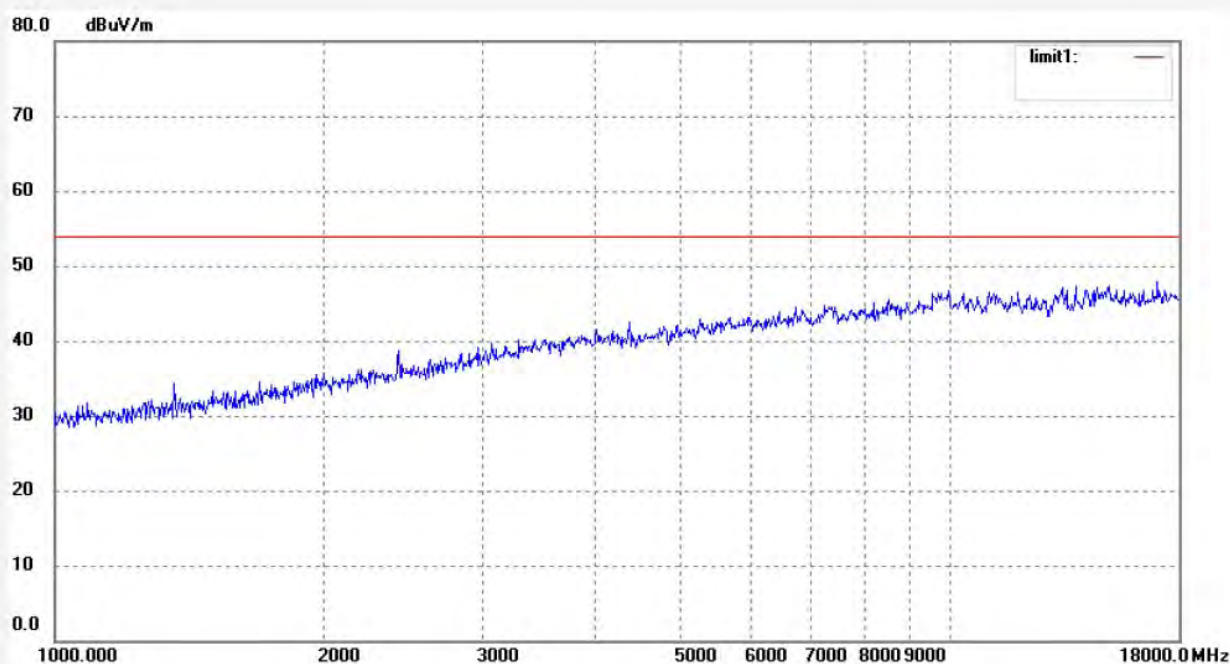
Date: 2013/08/17

Time: 18:32:49

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2563

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 1(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

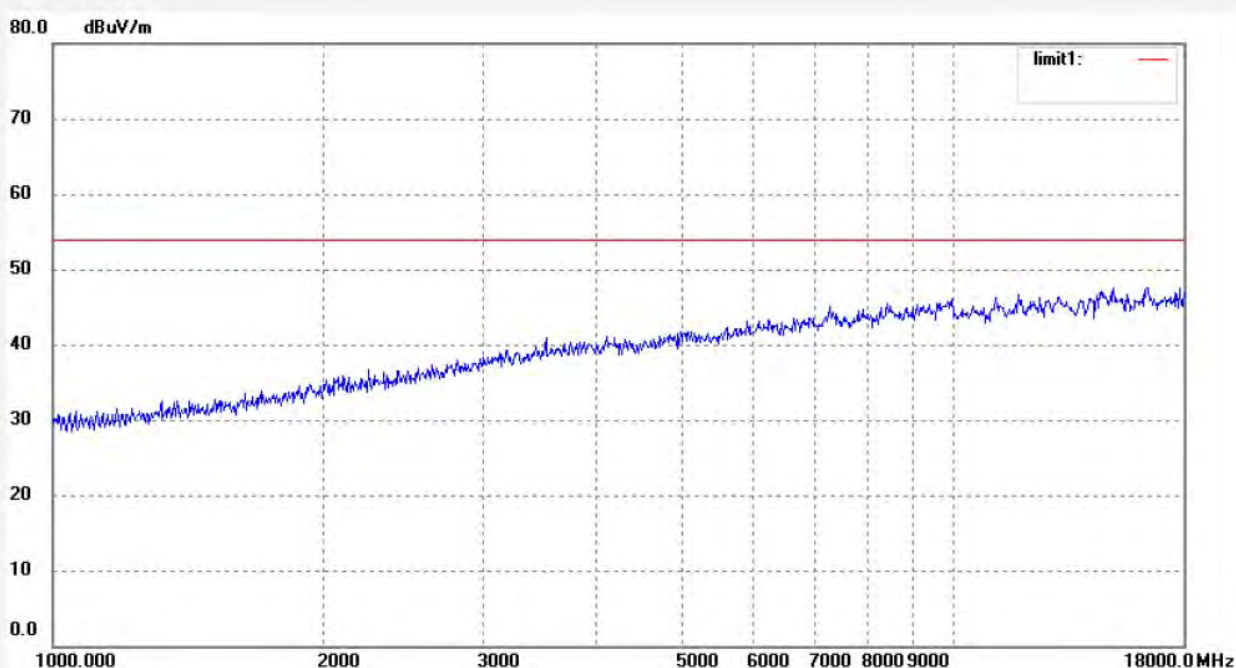
Date: 2013/08/17

Time: 18:35:30

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2746

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 6(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

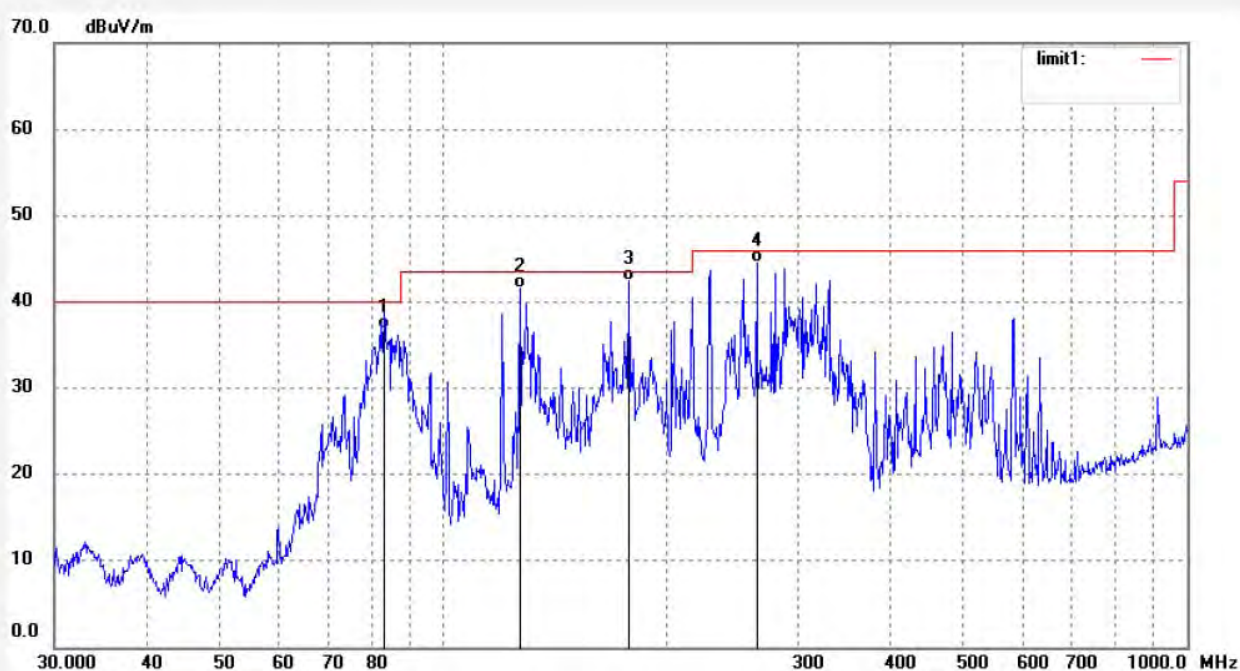
Date: 13/08/15/

Time: 9/59/44

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.2297	58.41	-21.49	36.92	40.00	-3.08	QP			
2	126.7723	64.47	-22.88	41.59	43.50	-1.91	QP			
3	177.5091	64.46	-22.08	42.38	43.50	-1.12	QP			
4	263.8190	63.41	-18.92	44.49	46.00	-1.51	QP			


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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2747

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 6(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

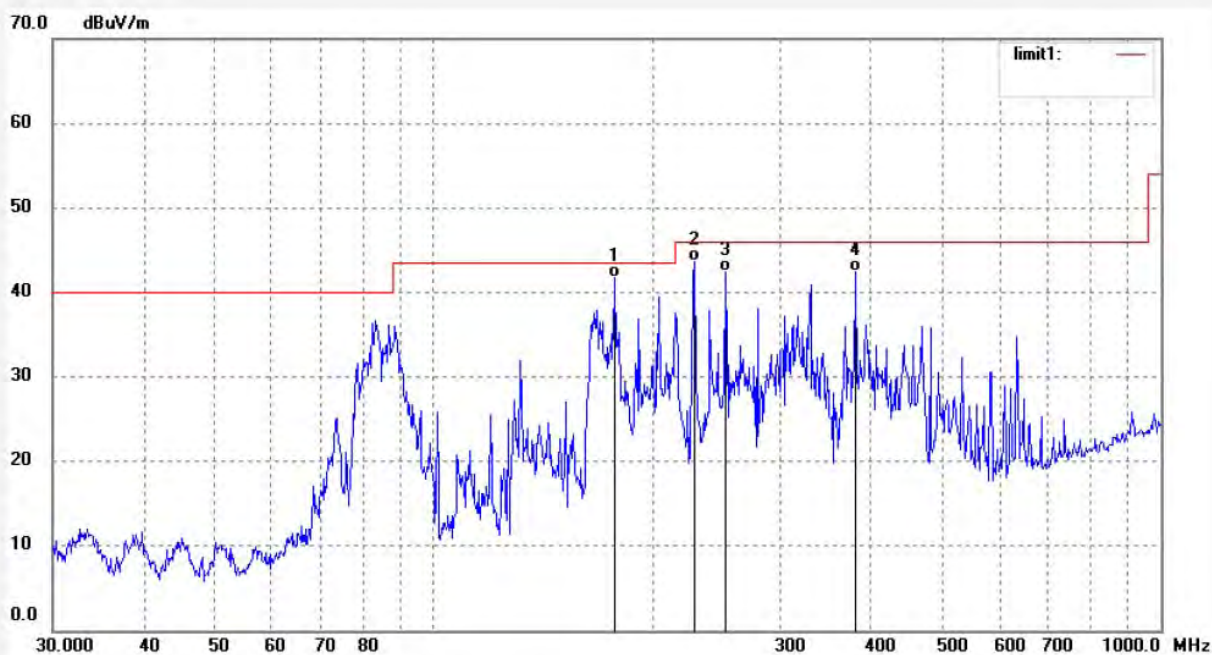
Date: 13/08/15/

Time: 10/03/48

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	177.5092	63.75	-22.08	41.67	43.50	-1.83	QP			
2	228.4904	63.61	-19.87	43.74	46.00	-2.26	QP			
3	252.0627	62.00	-19.62	42.38	46.00	-3.62	QP			
4	379.9141	58.14	-15.78	42.36	46.00	-3.64	QP			


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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2564

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 6(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

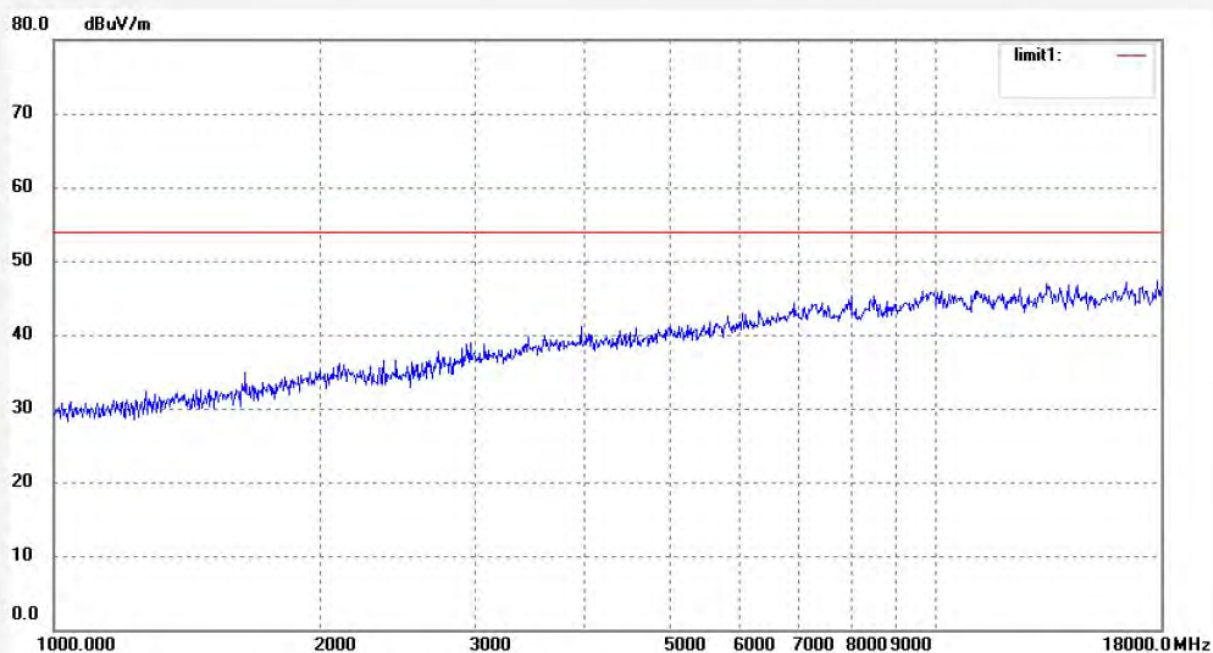
Date: 2013/08/17

Time: 18:38:59

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2565

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 6(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

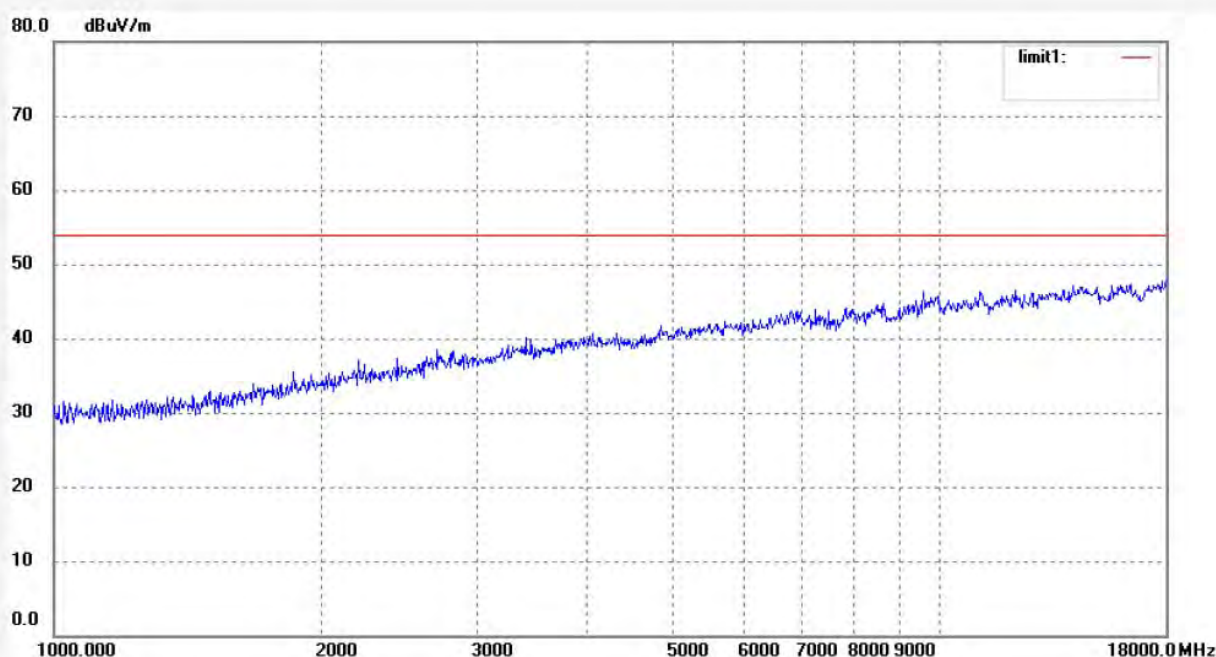
Date: 2013/08/17

Time: 18:41:33

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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Site: 1# Chamber

Tel:+86-0755-26503290

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Job No.: STAR #2748

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 11(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

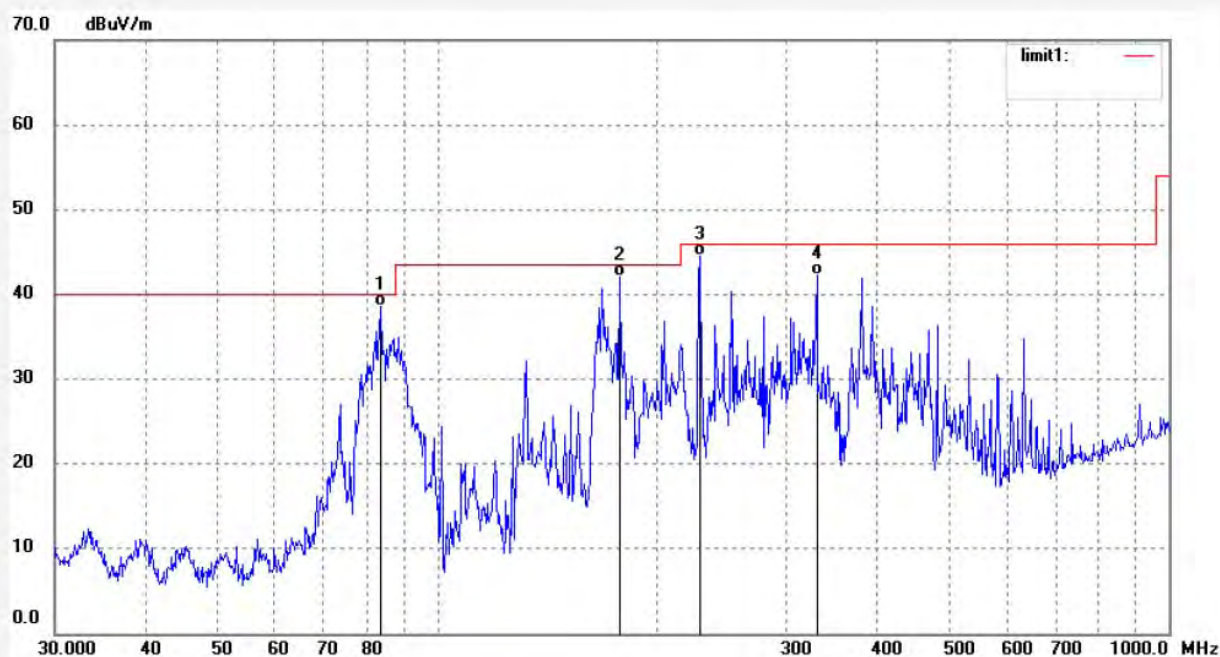
Date: 13/08/15/

Time: 10/07/19

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.8156	60.06	-21.51	38.55	40.00	-1.45	QP			
2	177.5091	64.13	-22.08	42.05	43.50	-1.45	QP			
3	228.4903	64.34	-19.87	44.47	46.00	-1.53	QP			
4	330.1949	59.19	-16.98	42.21	46.00	-3.79	QP			


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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: STAR #2749

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 11(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

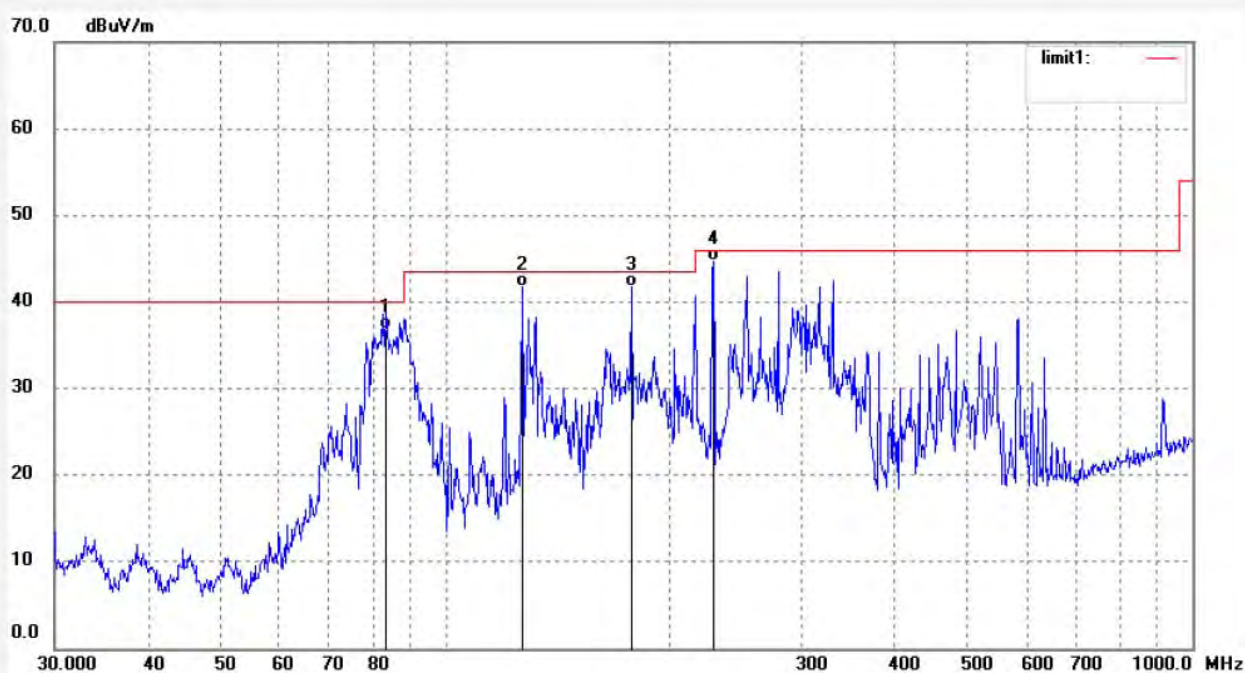
Date: 13/08/15/

Time: 10/10/01

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.2297	58.32	-21.49	36.83	40.00	-3.17	QP			
2	126.7723	64.64	-22.88	41.76	43.50	-1.74	QP			
3	177.5091	63.83	-22.08	41.75	43.50	-1.75	QP			
4	228.4903	64.65	-19.87	44.78	46.00	-1.22	QP			


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Site: 1# Chamber

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Job No.: STAR #2566

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 11(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

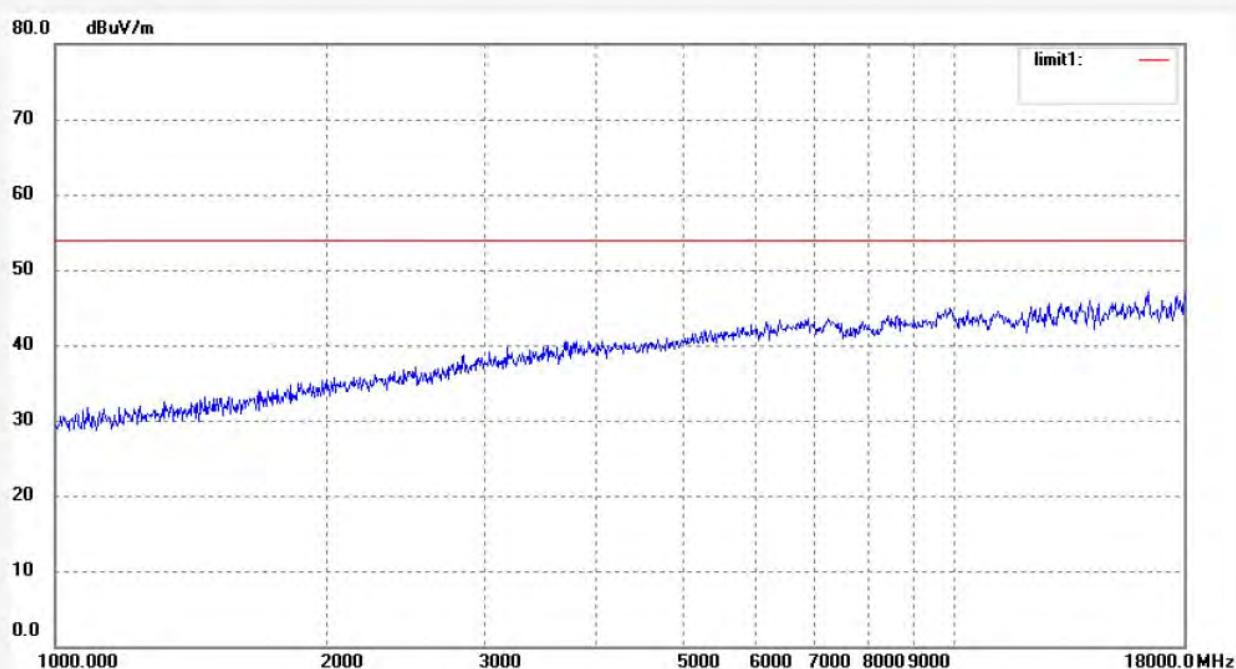
Date: 2013/08/17

Time: 18:44:20

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2567

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 11(802.11g)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

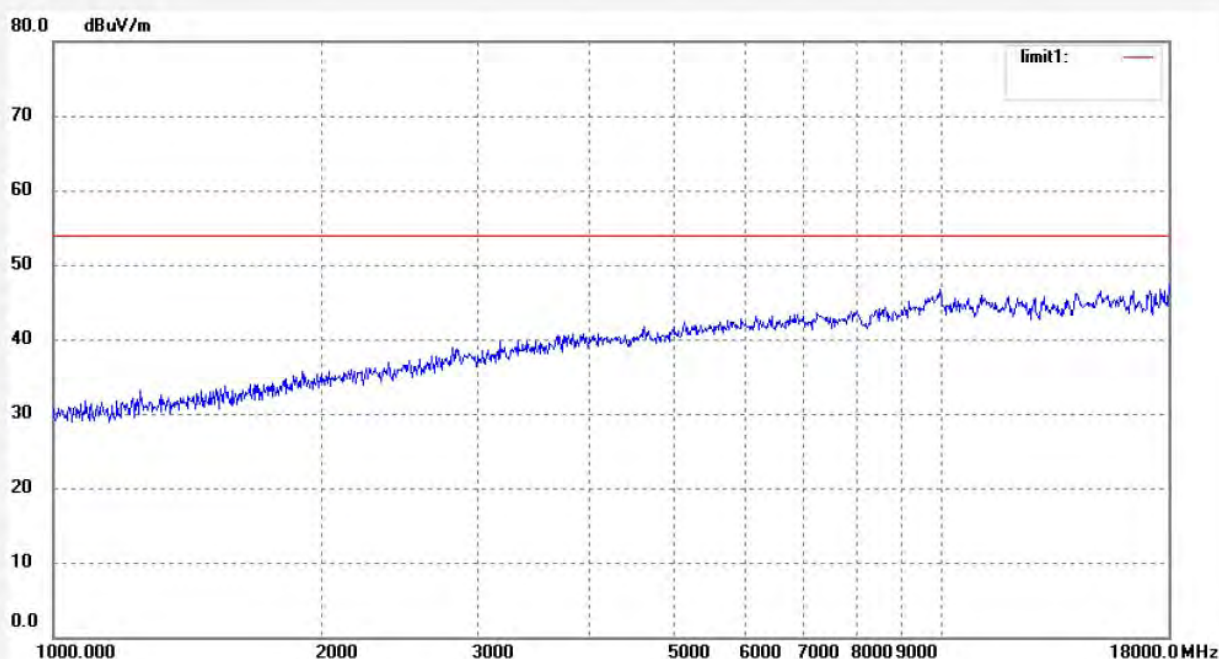
Date: 2013/08/17

Time: 18:47:59

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2750

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 1(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

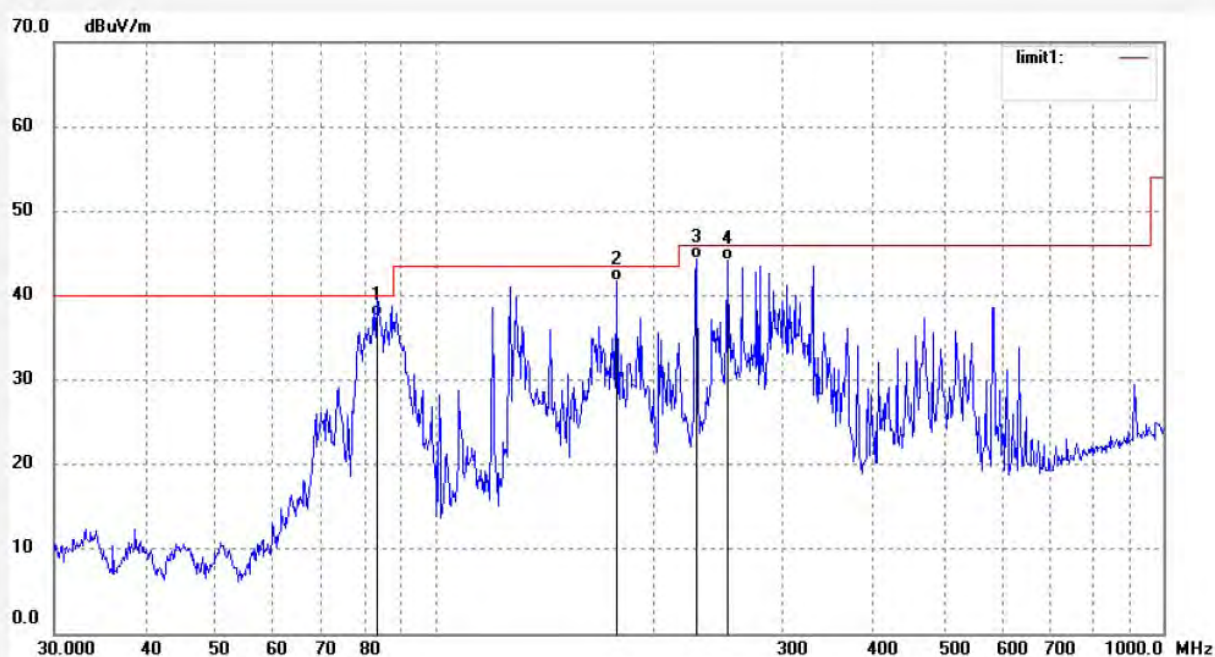
Date: 13/08/15/

Time: 10/14/08

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.2298	58.99	-21.49	37.50	40.00	-2.50	QP			
2	177.5092	63.87	-22.08	41.79	43.50	-1.71	QP			
3	228.4904	64.25	-19.87	44.38	46.00	-1.62	QP			
4	252.0627	63.85	-19.62	44.23	46.00	-1.77	QP			


ACCURATE TECHNOLOGY CO., LTD.

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Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2751

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 1(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

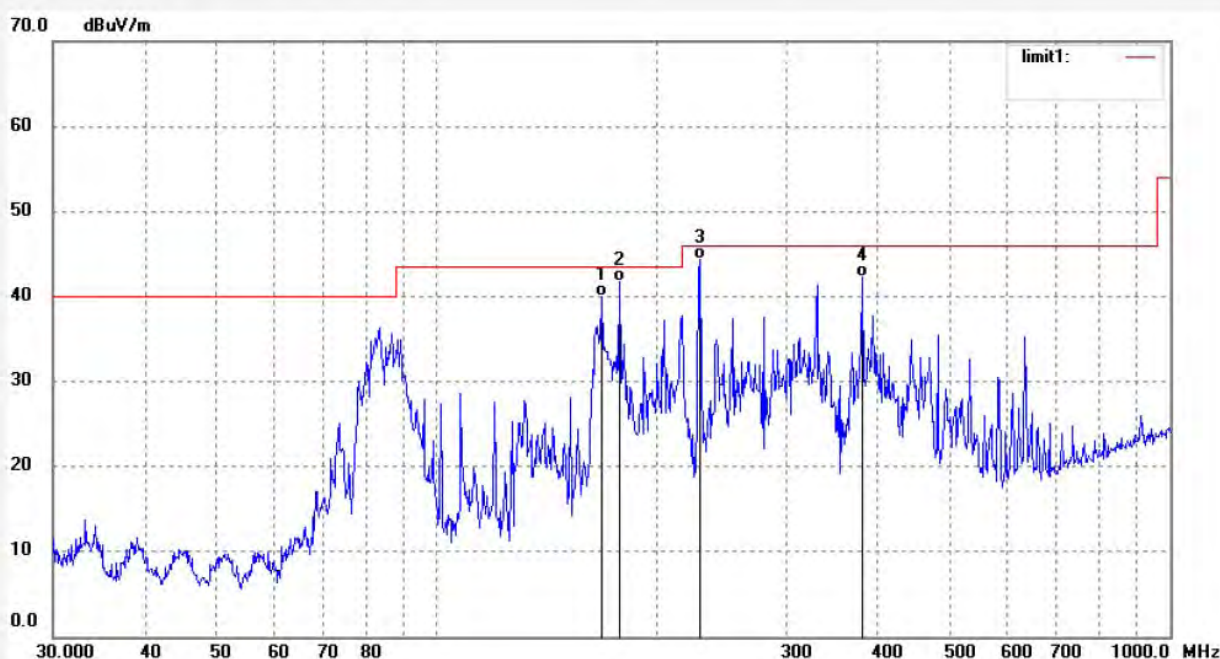
Date: 13/08/15/

Time: 10/17/04

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	167.8242	61.94	-22.02	39.92	43.50	-3.58	QP			
2	177.5091	63.88	-22.08	41.80	43.50	-1.70	QP			
3	228.4903	64.21	-19.87	44.34	46.00	-1.66	QP			
4	379.9141	58.10	-15.78	42.32	46.00	-3.68	QP			


ACCURATE TECHNOLOGY CO., LTD.

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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2568

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 1(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

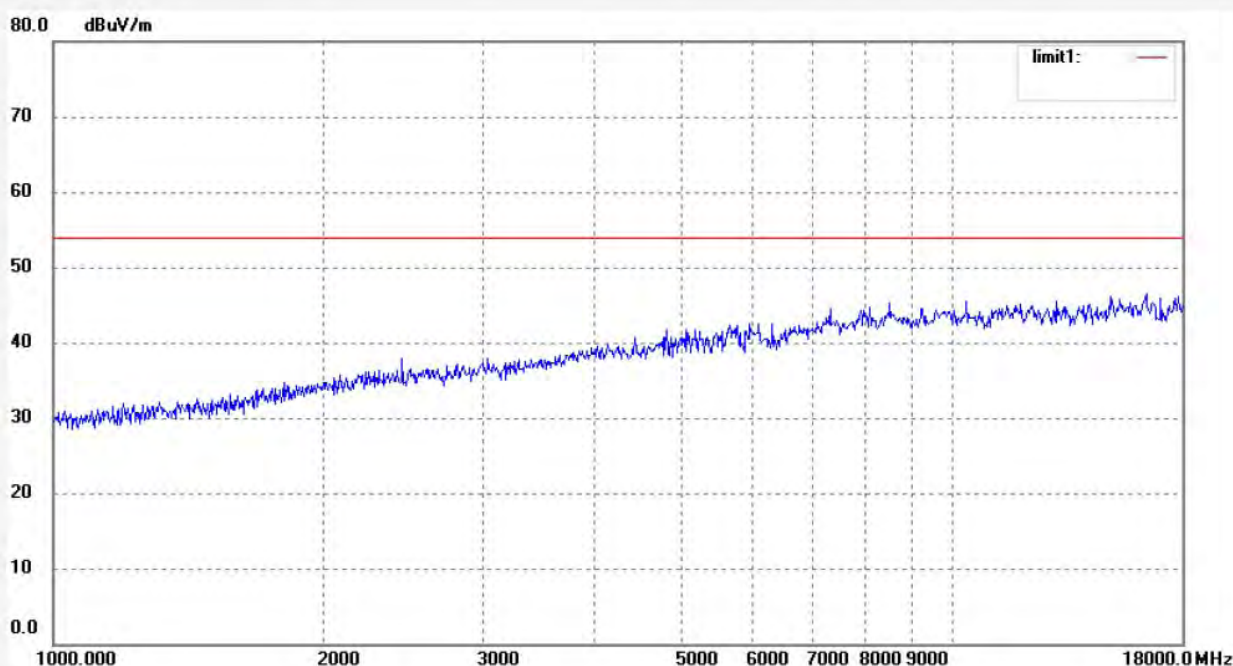
Date: 2013/08/17

Time: 18:51:41

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2569

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 1(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

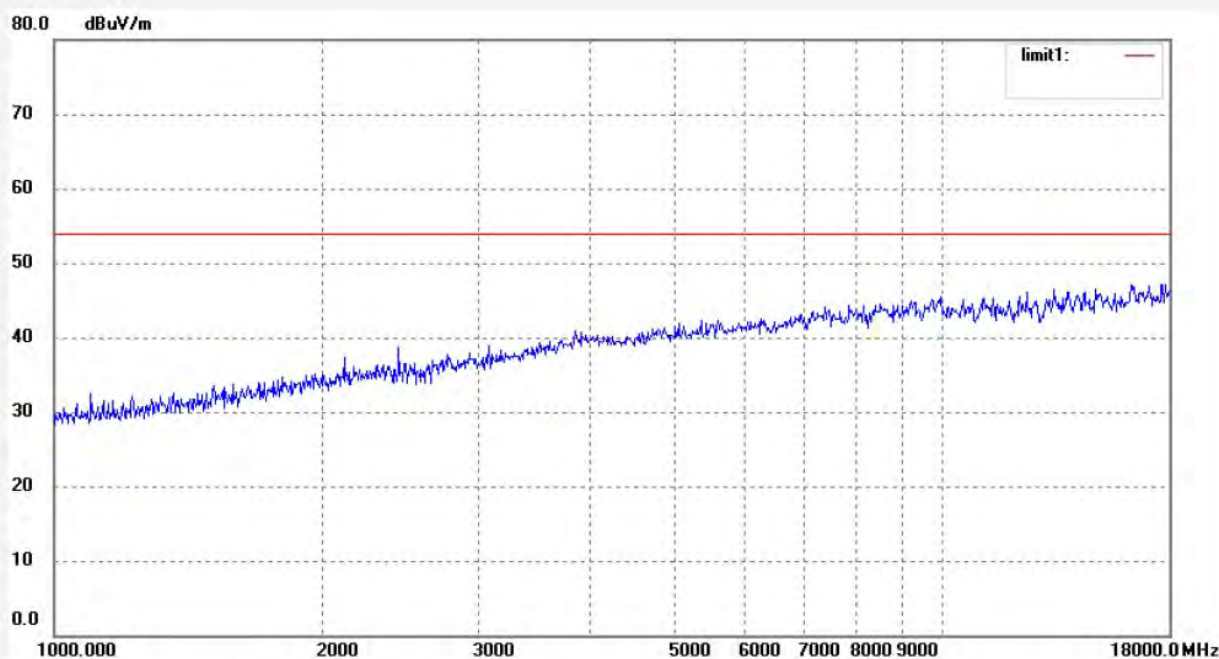
Date: 2013/08/17

Time: 18:54:16

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2752

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 6(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

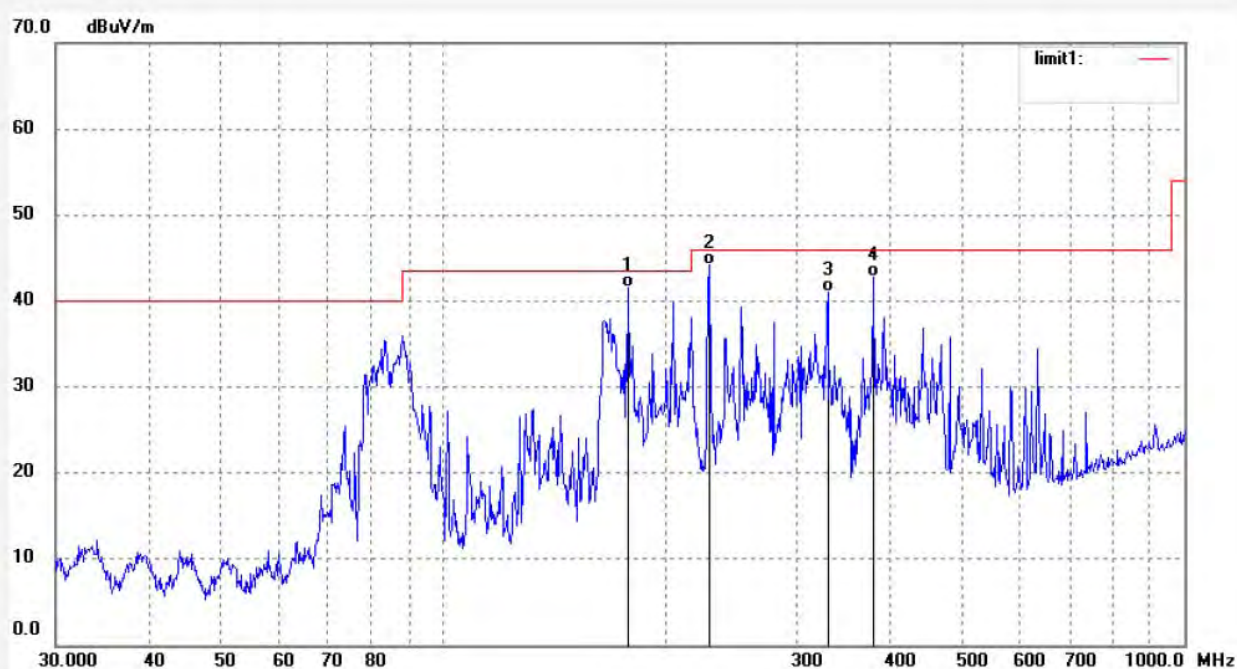
Date: 13/08/15/

Time: 10/20/43

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	177.5091	63.59	-22.08	41.51	43.50	-1.99	QP			
2	228.4903	63.99	-19.87	44.12	46.00	-1.88	QP			
3	330.1949	58.05	-16.98	41.07	46.00	-4.93	QP			
4	379.9141	58.64	-15.78	42.86	46.00	-3.14	QP			



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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: STAR #2753

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 6(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

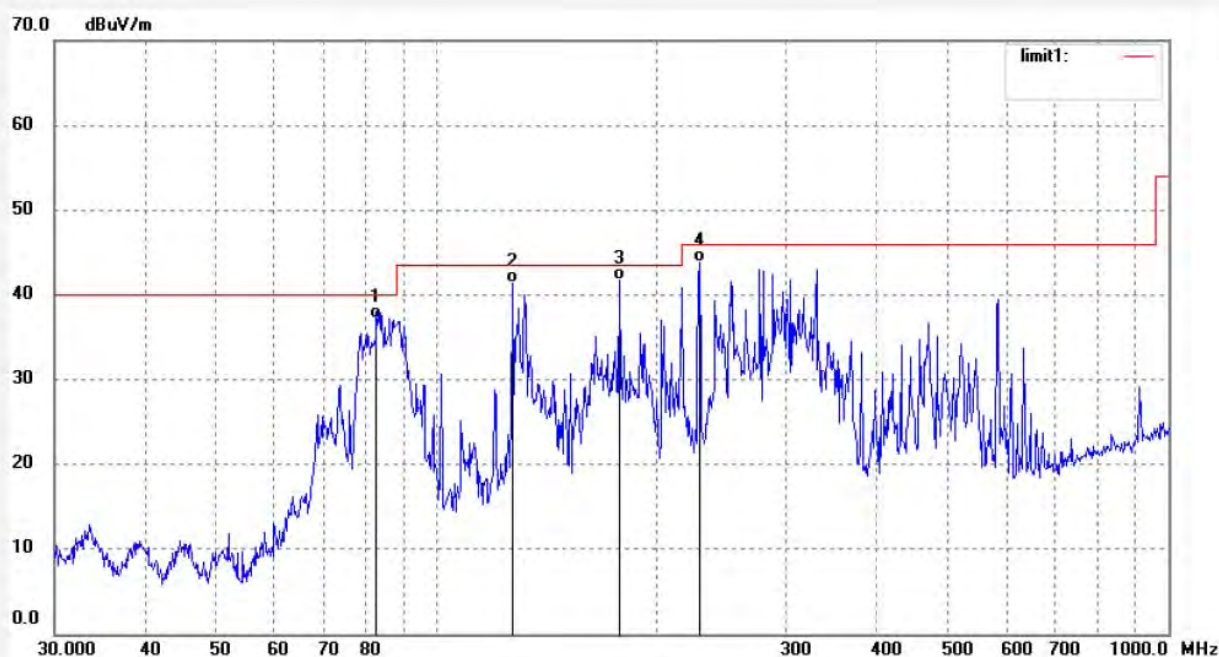
Date: 13/08/15/

Time: 10/24/30

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	82.6482	58.60	-21.47	37.13	40.00	-2.87	QP			
2	126.7723	64.32	-22.88	41.44	43.50	-2.06	QP			
3	177.5092	63.88	-22.08	41.80	43.50	-1.70	QP			
4	228.4904	63.68	-19.87	43.81	46.00	-2.19	QP			


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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2570

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 6(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

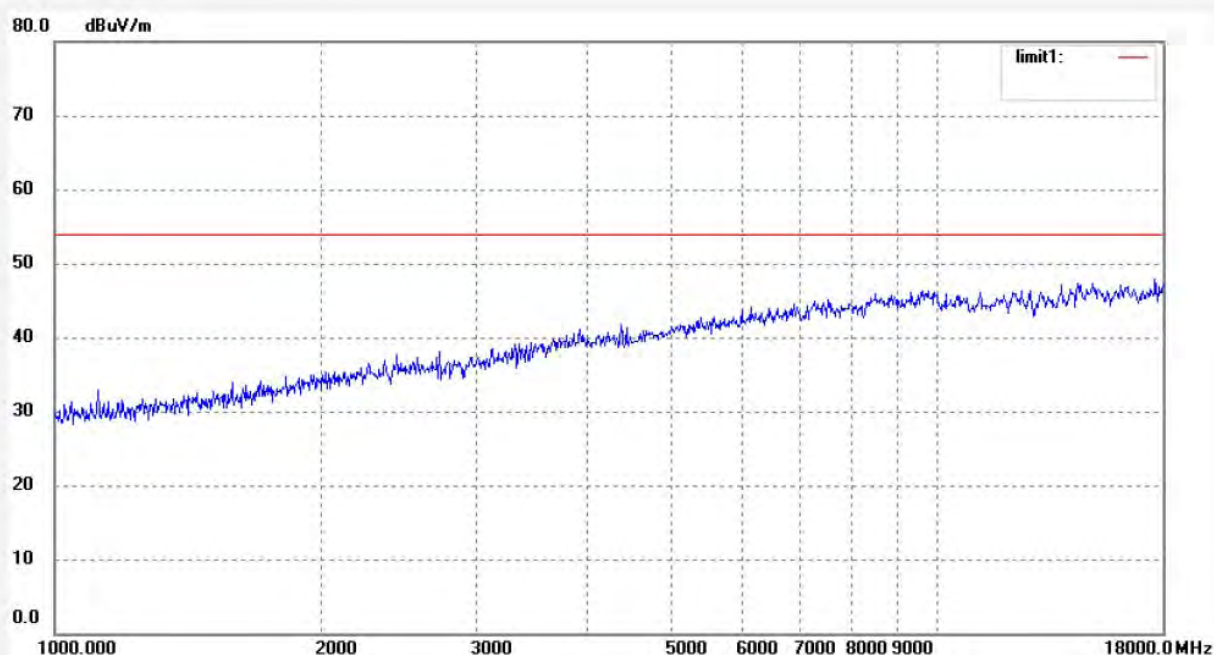
Date: 2013/08/17

Time: 18:57:52

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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ACCURATE TECHNOLOGY CO., LTD.

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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2571

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 6(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

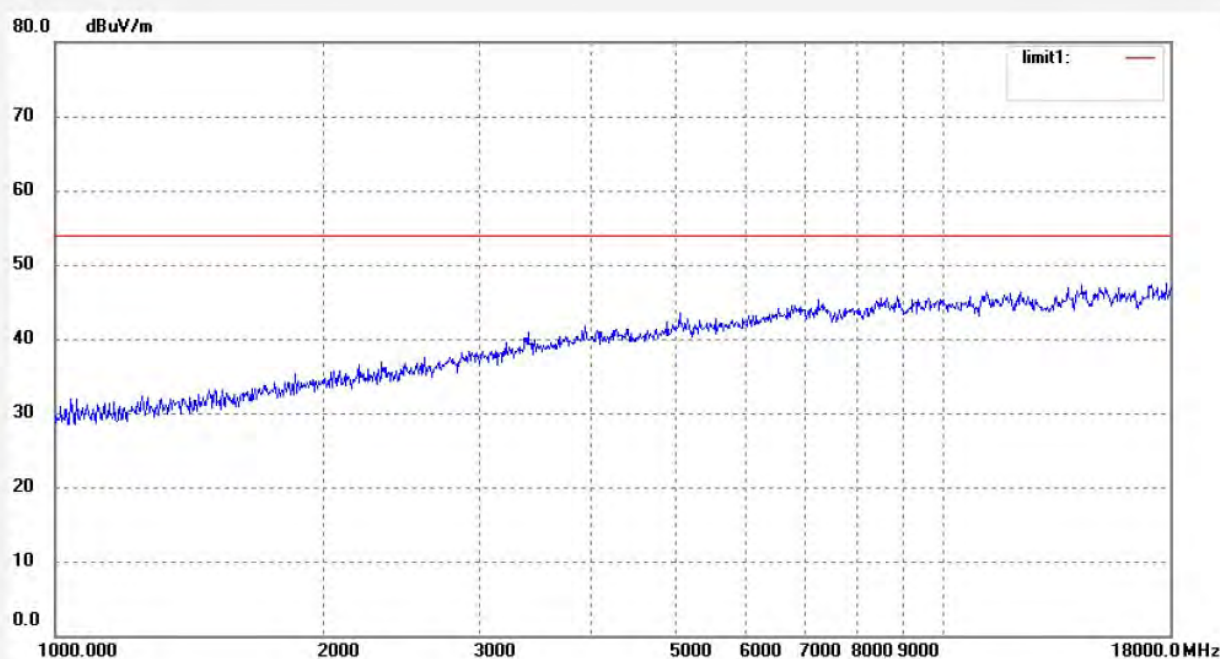
Date: 2013/08/17

Time: 19:01:31

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: STAR #2754

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 11(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

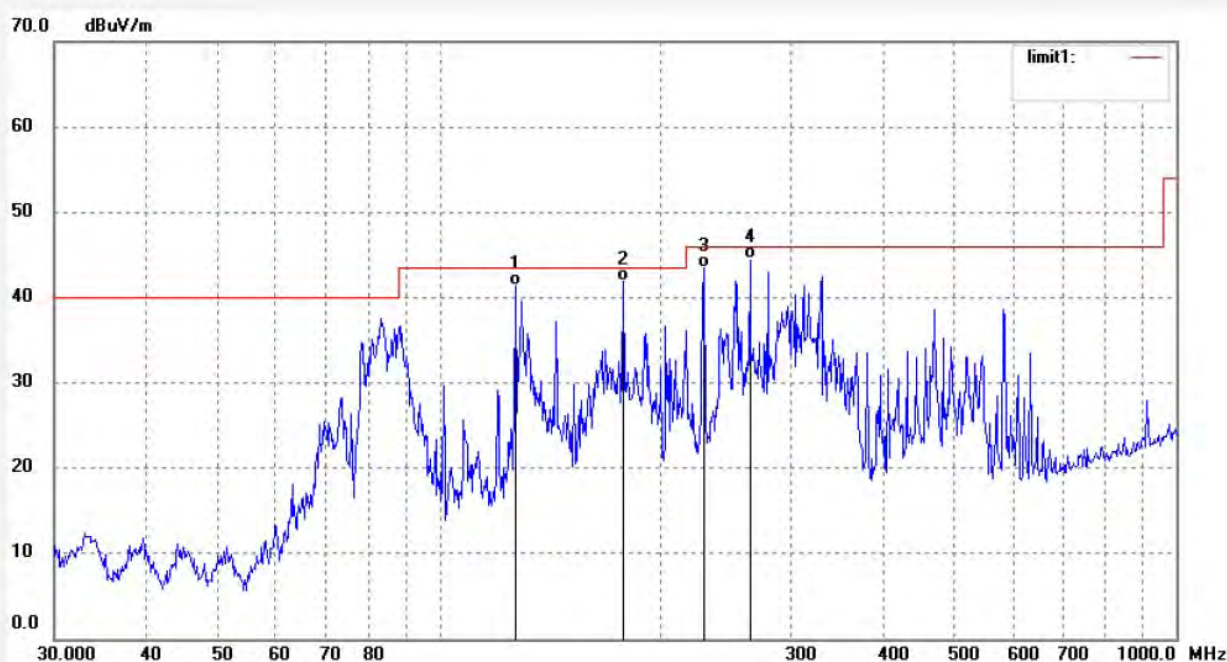
Date: 13/08/15/

Time: 10/28/09

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	126.7723	64.21	-22.88	41.33	43.50	-2.17	QP			
2	177.5092	63.94	-22.08	41.86	43.50	-1.64	QP			
3	228.4904	63.31	-19.87	43.44	46.00	-2.56	QP			
4	263.8190	63.37	-18.92	44.45	46.00	-1.55	QP			



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Job No.: STAR #2755

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 11(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

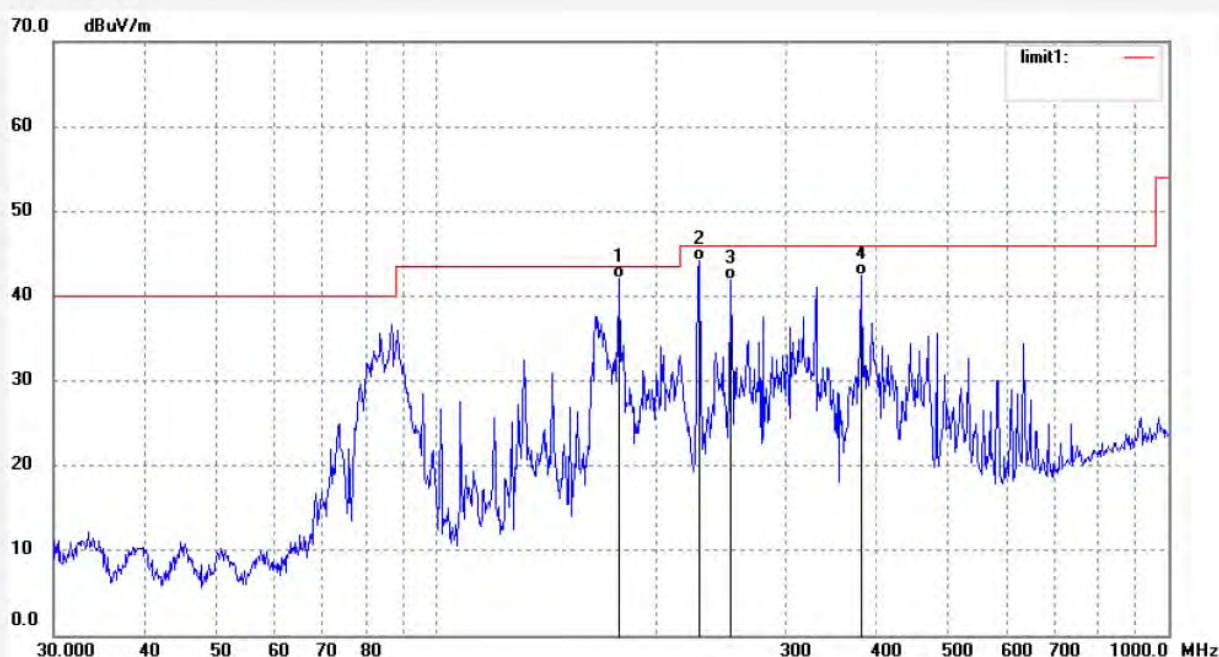
Date: 13/08/15/

Time: 10/31/01

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	177.5091	64.12	-22.08	42.04	43.50	-1.46	QP			
2	228.4903	64.01	-19.87	44.14	46.00	-1.86	QP			
3	252.0627	61.45	-19.62	41.83	46.00	-4.17	QP			
4	379.9141	58.20	-15.78	42.42	46.00	-3.58	QP			


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Fax:+86-0755-26503396

Job No.: STAR #2572

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 11(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

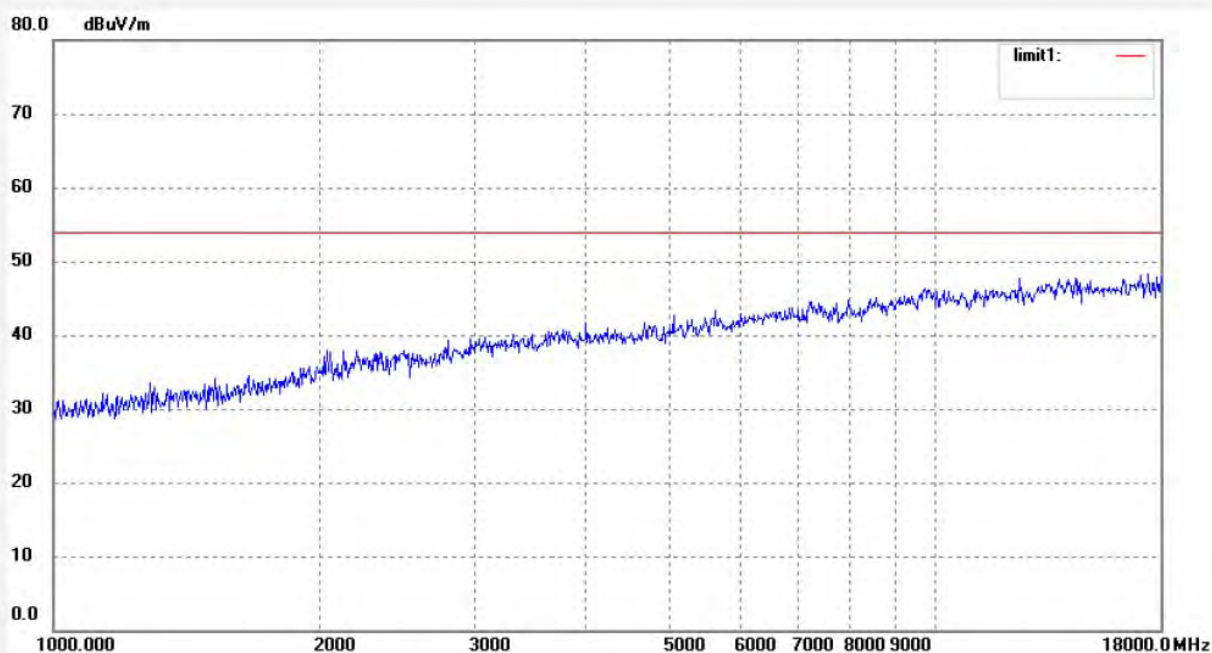
Date: 2013/08/17

Time: 19:06:04

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: STAR #2573

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 11(802.11n)

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

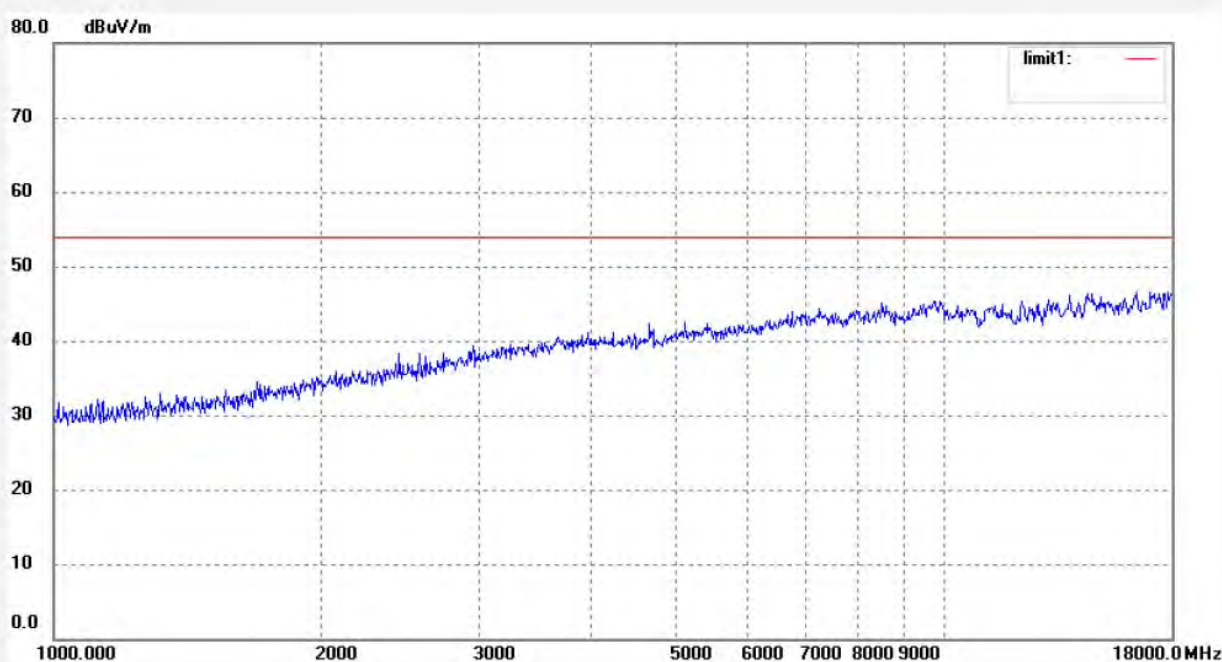
Date: 2013/08/17

Time: 19:10:04

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber

Tel:+86-0755-26503290

Fax:+86-0755-26503396

Job No.: STAR #2756

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 3(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

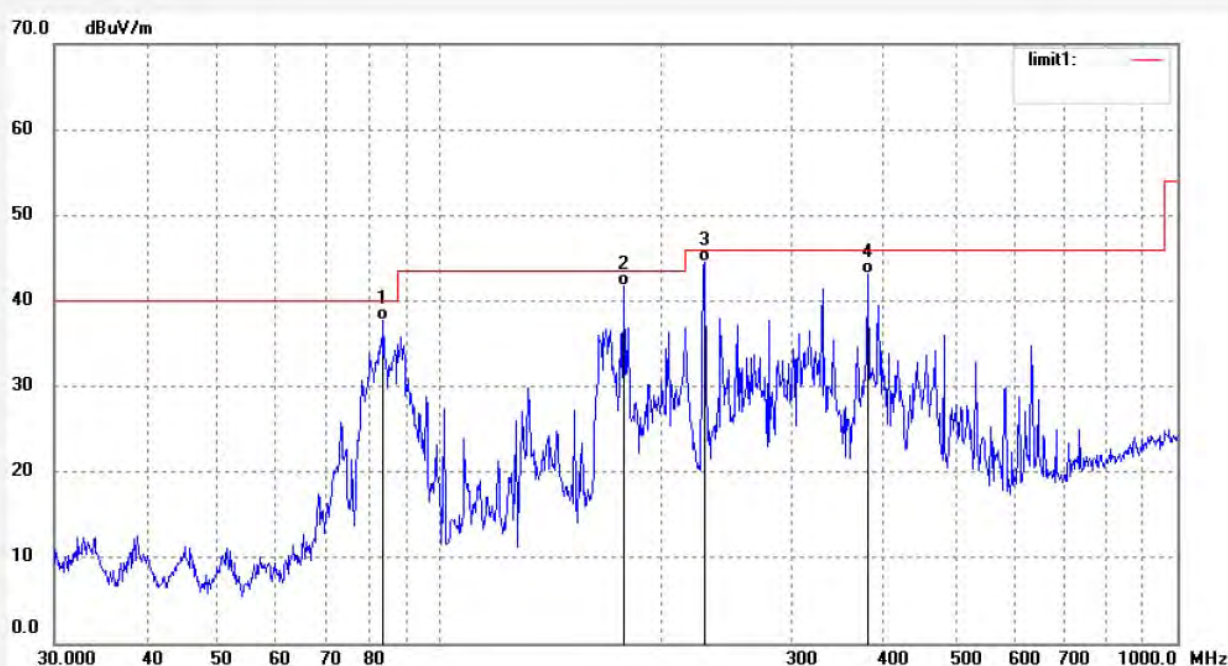
Date: 13/08/15/

Time: 10/34/52

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737




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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: STAR #2757

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 3(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

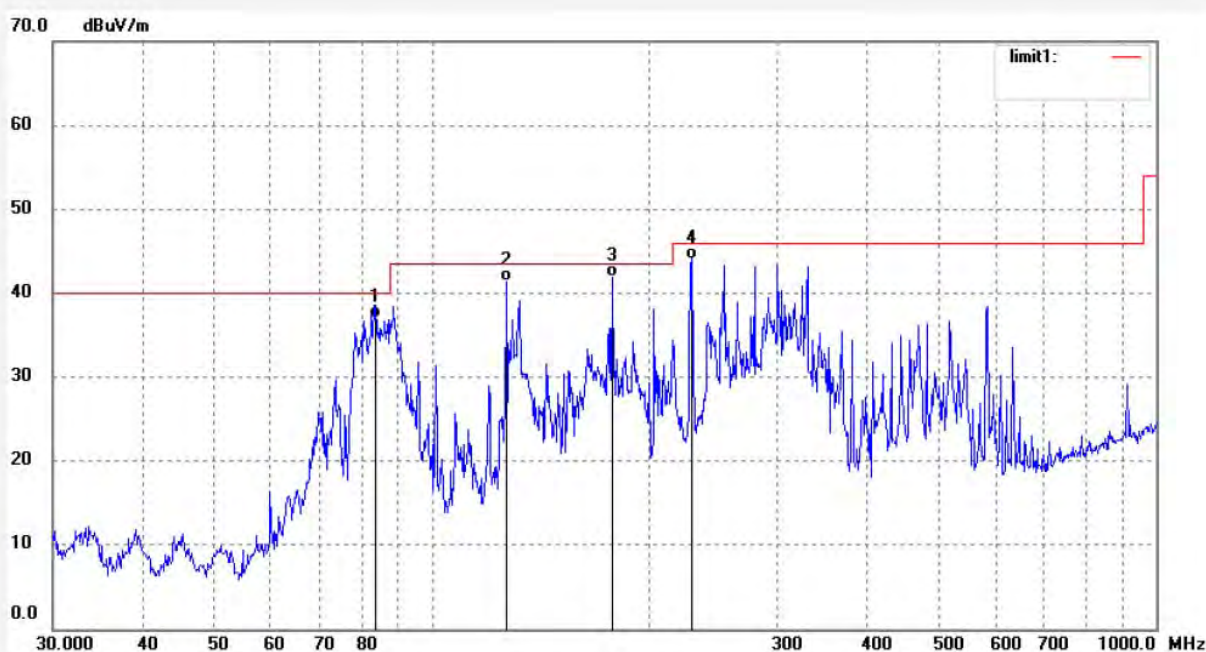
Date: 13/08/15/

Time: 10/38/37

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.5222	58.51	-21.50	37.01	40.00	-2.99	QP			
2	126.7723	64.29	-22.88	41.41	43.50	-2.09	QP			
3	177.5092	63.96	-22.08	41.88	43.50	-1.62	QP			
4	228.4904	63.97	-19.87	44.10	46.00	-1.90	QP			


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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: STAR #2574

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 3(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

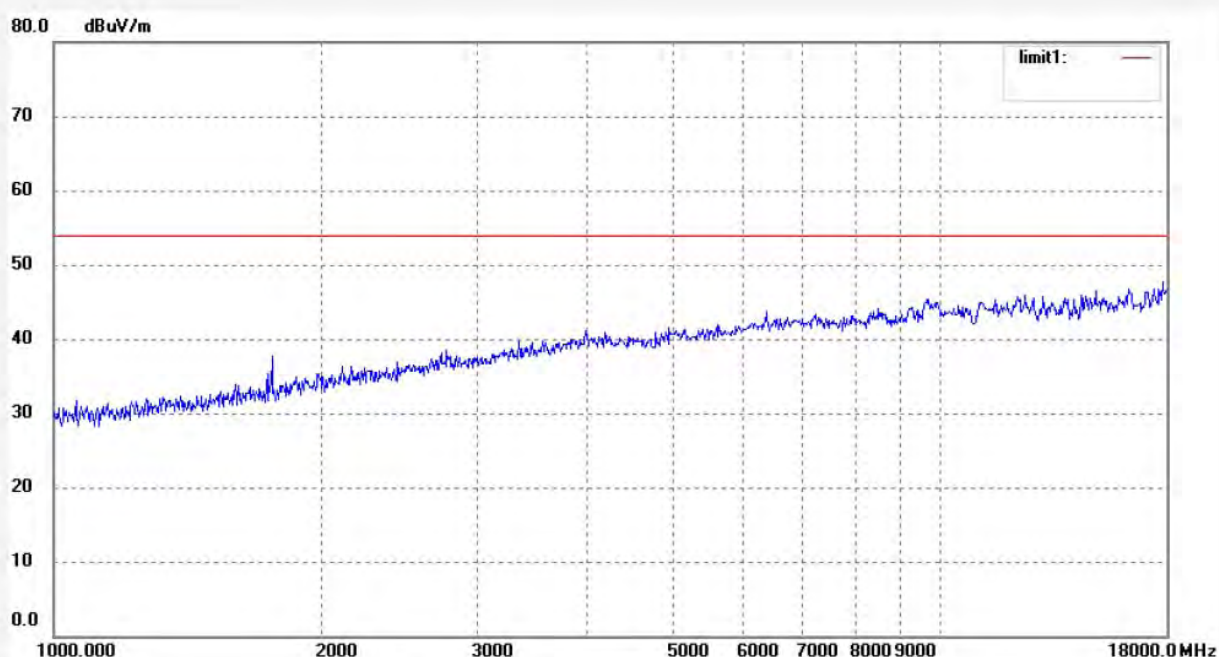
Date: 2013/08/17

Time: 19:14:57

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber
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Fax:+86-0755-26503396

Job No.: STAR #2575

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 3(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

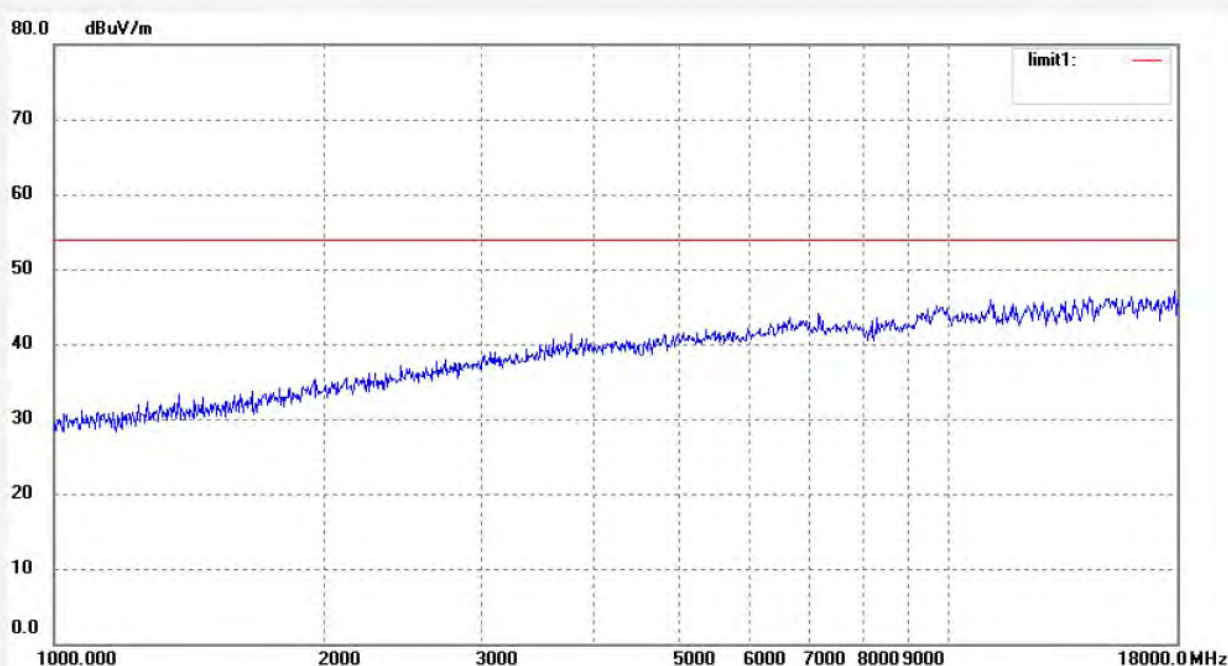
Date: 2013/08/17

Time: 19:18:33

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber
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Job No.: STAR #2758

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 6(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

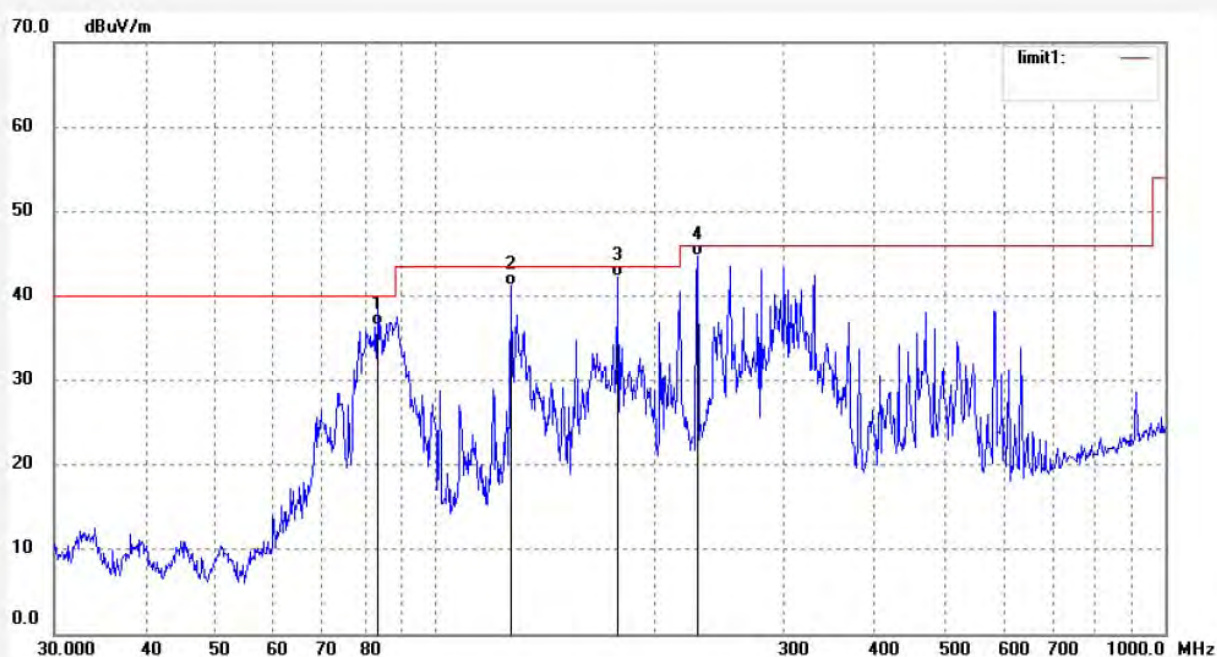
Date: 13/08/15/

Time: 10/42/21

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.2298	57.93	-21.49	36.44	40.00	-3.56	QP			
2	126.7723	64.18	-22.88	41.30	43.50	-2.20	QP			
3	177.5092	64.39	-22.08	42.31	43.50	-1.19	QP			
4	228.4904	64.51	-19.87	44.64	46.00	-1.36	QP			



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Fax:+86-0755-26503396

Job No.: STAR #2759

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 6(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

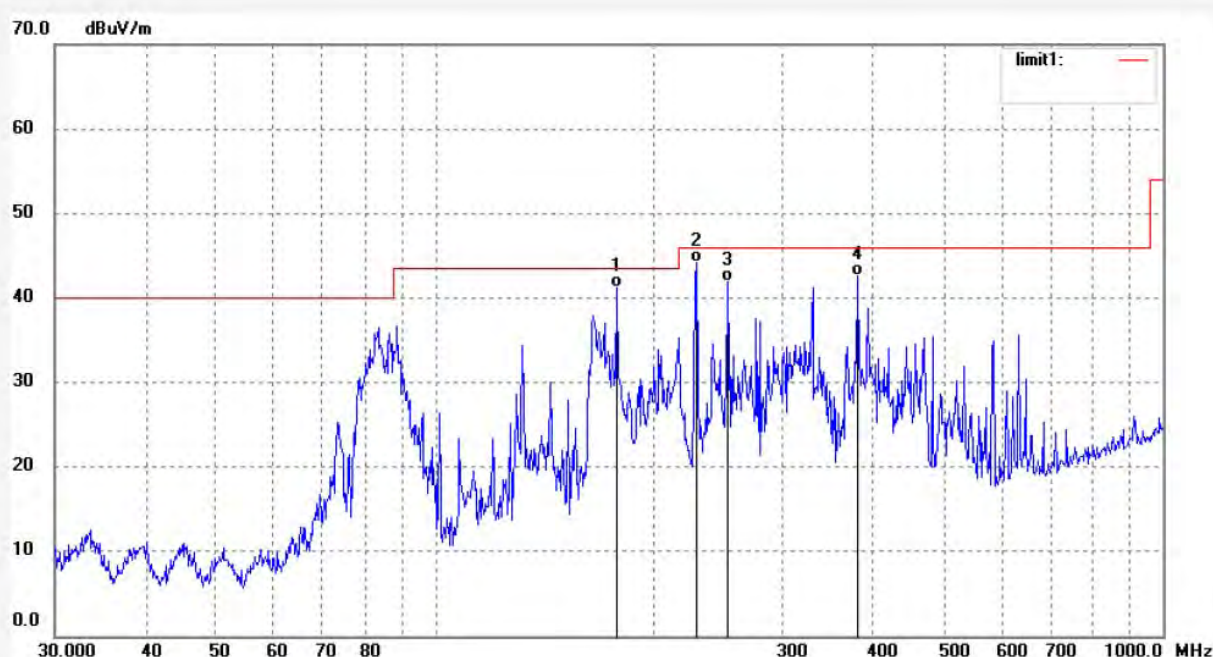
Date: 13/08/15/

Time: 10/46/08

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	177.5091	63.25	-22.08	41.17	43.50	-2.33	QP			
2	228.4903	64.11	-19.87	44.24	46.00	-1.76	QP			
3	252.0627	61.51	-19.62	41.89	46.00	-4.11	QP			
4	379.9141	58.40	-15.78	42.62	46.00	-3.38	QP			


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Fax:+86-0755-26503396

Job No.: STAR #2576

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 6(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

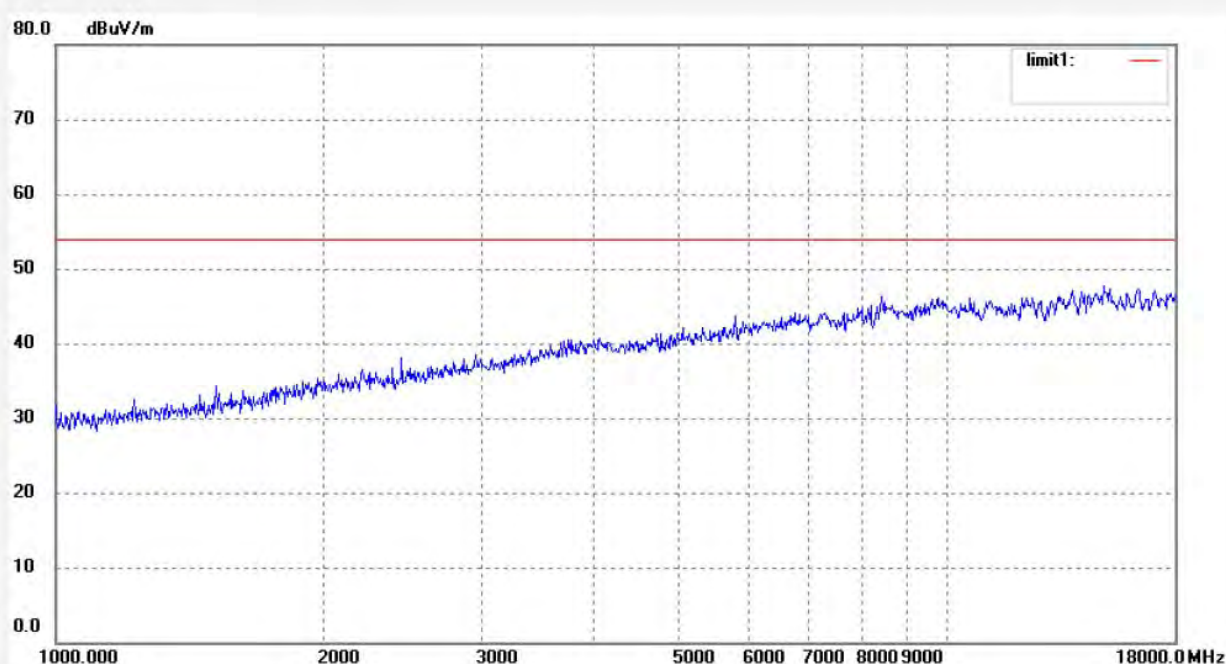
Date: 2013/08/17

Time: 19:22:13

Engineer Signature: STAR

Distance: 3m

Note: Report No.: ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Site: 1# Chamber

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Fax:+86-0755-26503396

Job No.: STAR #2577

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 6(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

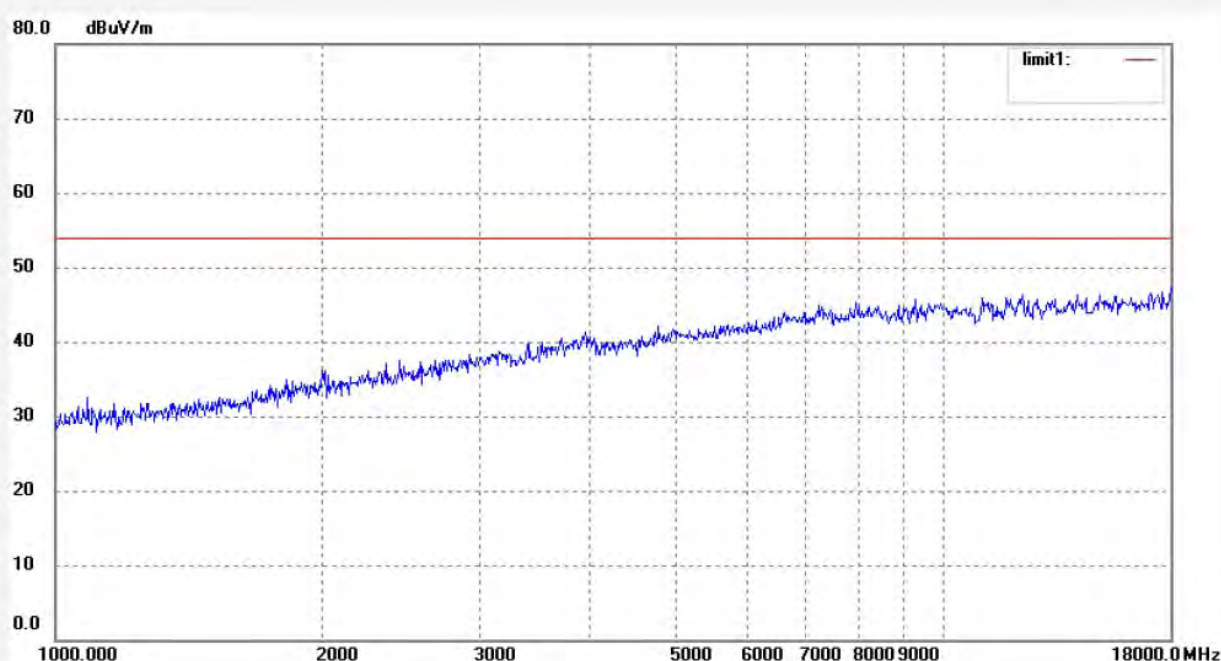
Date: 2013/08/17

Time: 19:25:45

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Job No.: STAR #2760

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channle 9(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

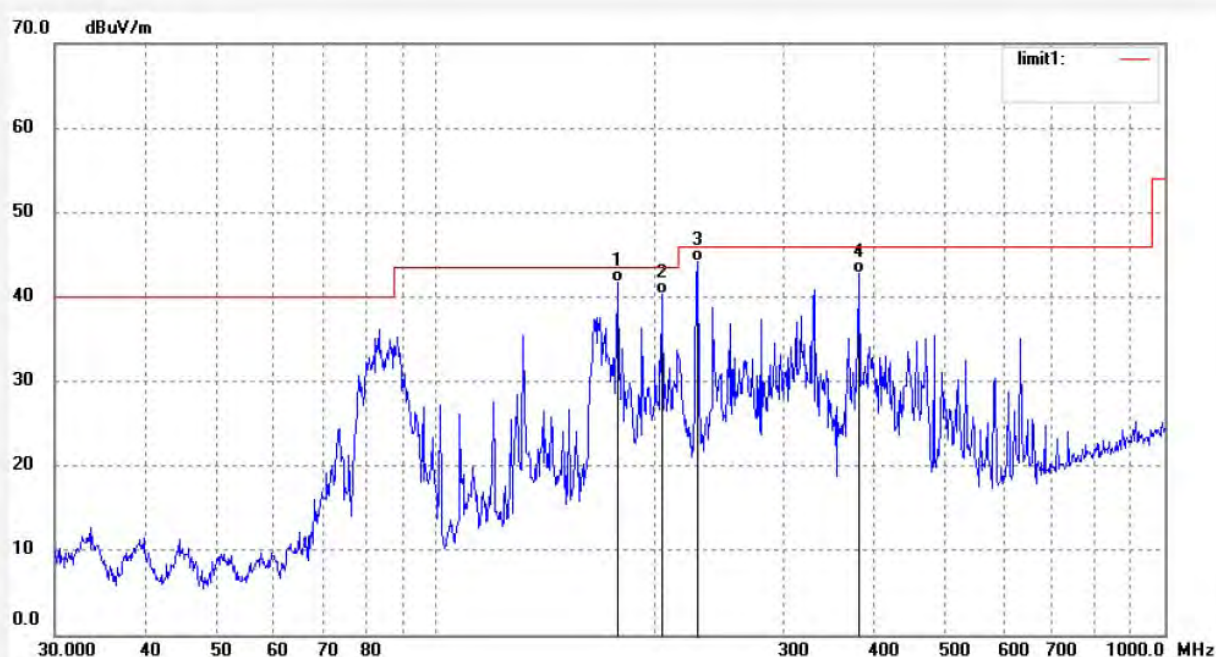
Date: 13/08/15/

Time: 10/49/51

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	177.5092	63.90	-22.08	41.82	43.50	-1.68	QP			
2	204.2377	60.38	-20.09	40.29	43.50	-3.21	QP			
3	228.4904	63.99	-19.87	44.12	46.00	-1.88	QP			
4	379.9141	58.64	-15.78	42.86	46.00	-3.14	QP			



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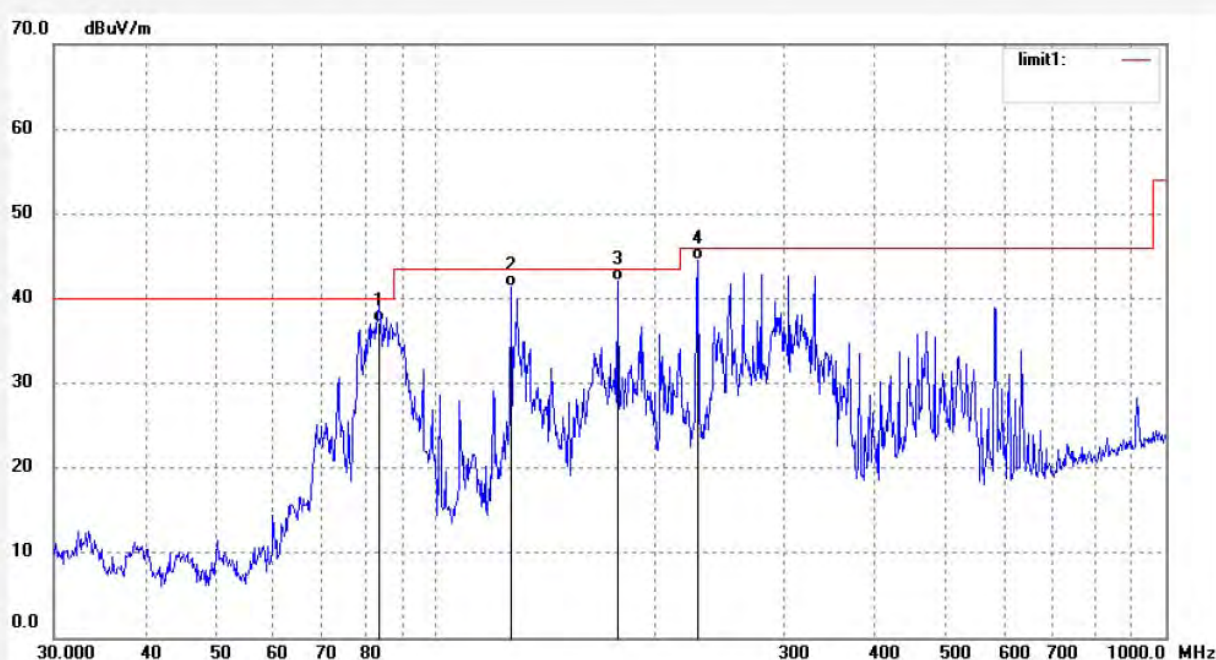
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China

Site: 1# Chamber
Tel:+86-0755-26503290
Fax:+86-0755-26503396

Job No.: STAR #2761
Standard: FCC Class B 3M Radiated
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: Vehicle Diagnostic Computer
Mode: TX Channle 9(802.11n)40MHz
Model: V30 ELITE
Manufacturer: AUTOBOSS

Polarization: Vertical
Power Source: DC 12V
Date: 13/08/15/
Time: 10/53/32
Engineer Signature: STAR
Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	83.8156	58.63	-21.51	37.12	40.00	-2.88	QP			
2	126.7723	64.29	-22.88	41.41	43.50	-2.09	QP			
3	177.5092	64.12	-22.08	42.04	43.50	-1.46	QP			
4	228.4904	64.48	-19.87	44.61	46.00	-1.39	QP			


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Job No.: STAR #2578

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 9(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Horizontal

Power Source: DC 12V

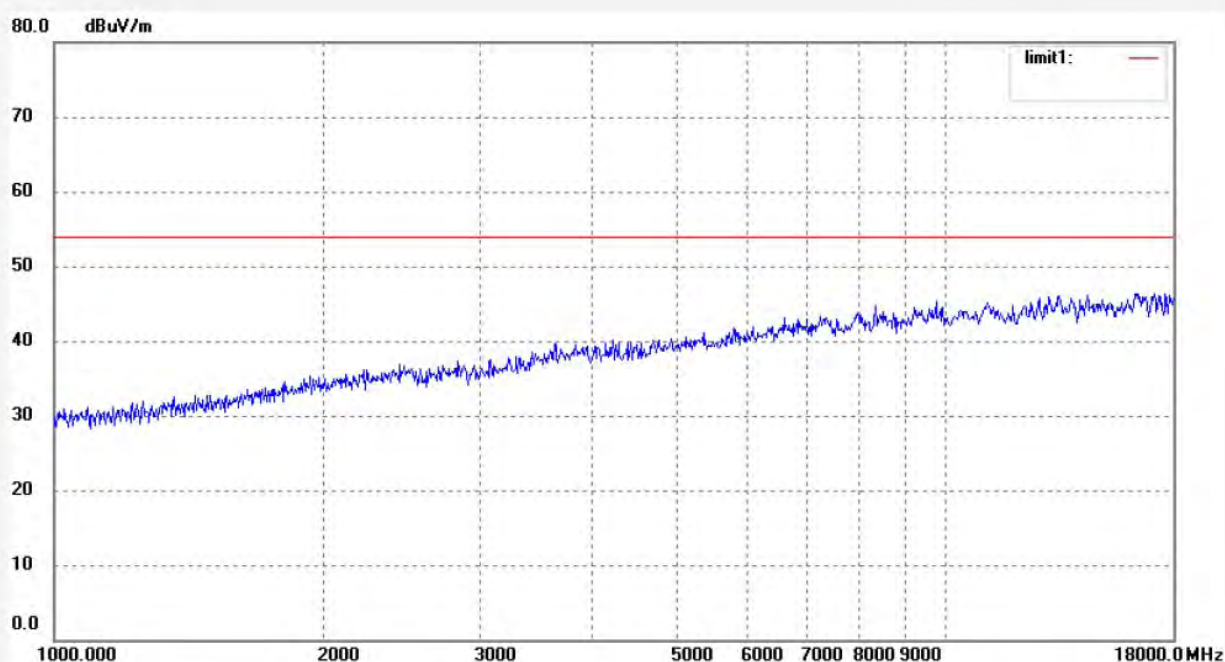
Date: 2013/08/17

Time: 19:28:36

Engineer Signature: STAR

Distance: 3m

Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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Fax:+86-0755-26503396

Job No.: STAR #2579

Standard: FCC Class B 3M Radiated

Test item: Radiation Test

Temp.(C)/Hum.(%) 25 C / 55 %

EUT: Vehicle Diagnostic Computer

Mode: TX Channel 9(802.11n)40MHz

Model: V30 ELITE

Manufacturer: AUTOBOSS

Polarization: Vertical

Power Source: DC 12V

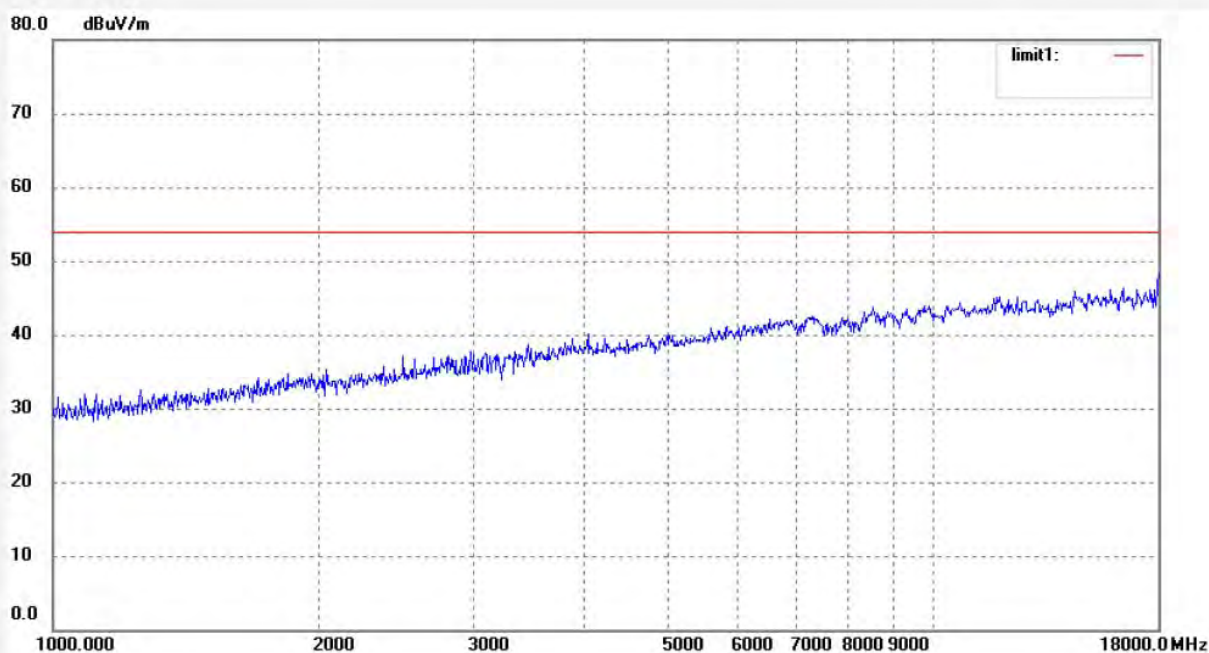
Date: 2013/08/17

Time: 19:32:15

Engineer Signature: STAR

Distance: 3m

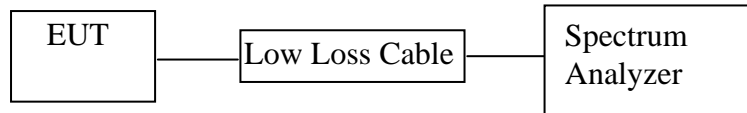
Note: Report No.:ATE20131737



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
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10.CONDUCTED SPURIOUS EMISSION COMPLIANCE TEST

10.1.Block Diagram of Test Setup



10.2.The Requirement For Section 15.247(d)

Section 15.247(d): In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a).

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 10.1.

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 2412-2462 and 2422-2452MHz. We select 2412MHz, 2437MHz, 2462MHz and 2422MHz, 2437MHz, 2452MHz TX frequency to transmit.

10.5. Test Procedure

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

10.5.2. Set RBW of spectrum analyzer to 100kHz and VBW to 300kHz (below 1GHz).

10.5.3. Set RBW of spectrum analyzer to 1MHz and VBW to 3MHz (above 1GHz).

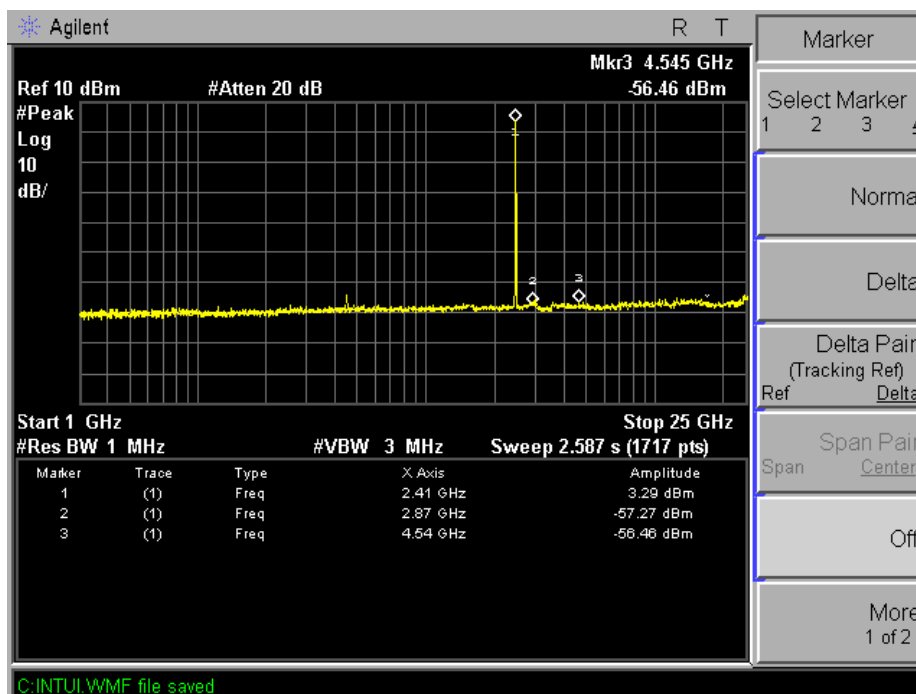
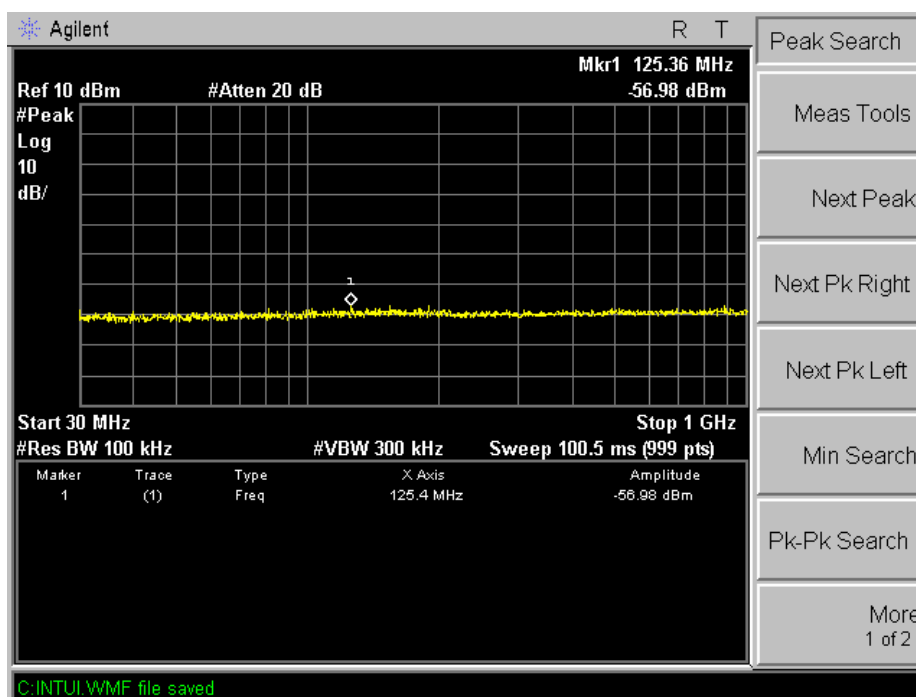
10.5.4. The Conducted Spurious Emission was measured and recorded.

10.6. Test Result

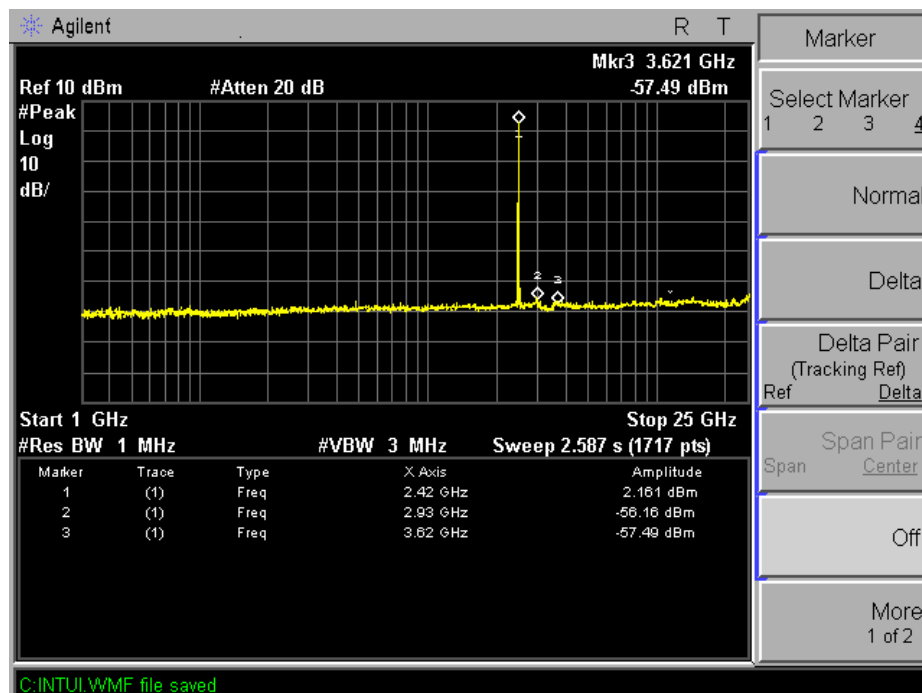
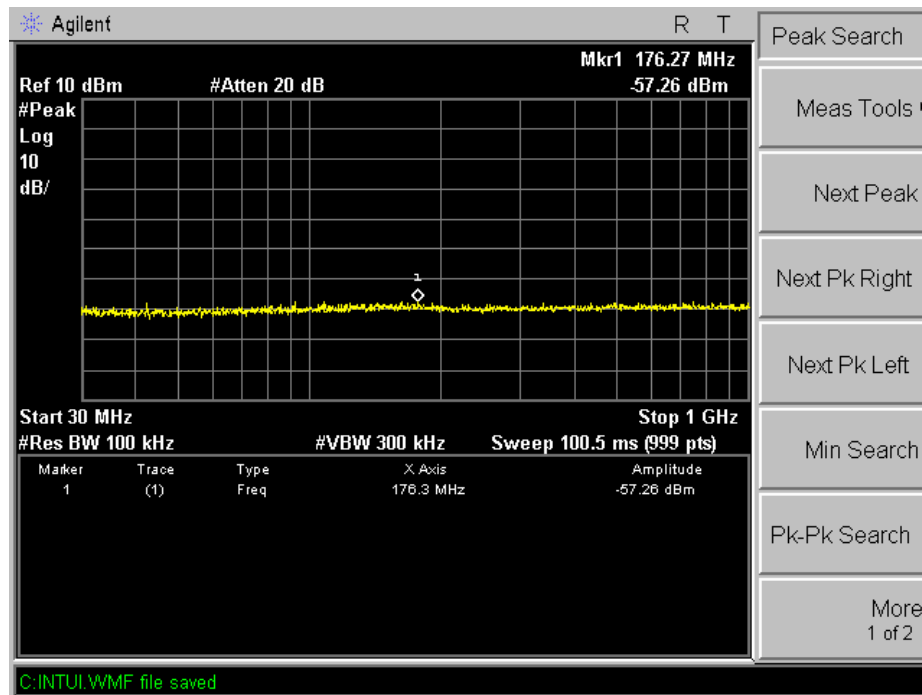
Pass.

The spectrum analyzer plots are attached as below.

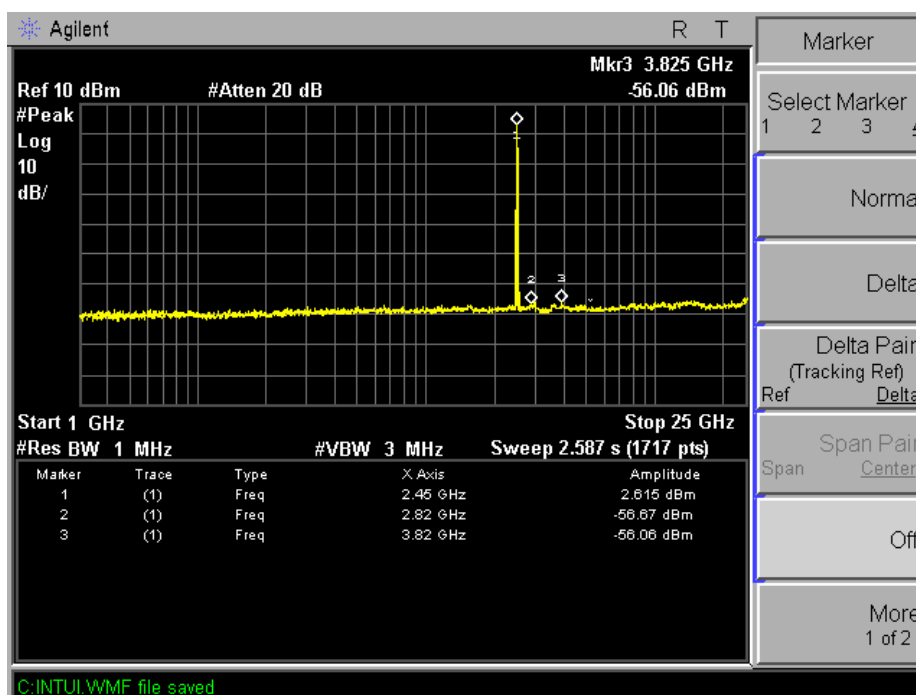
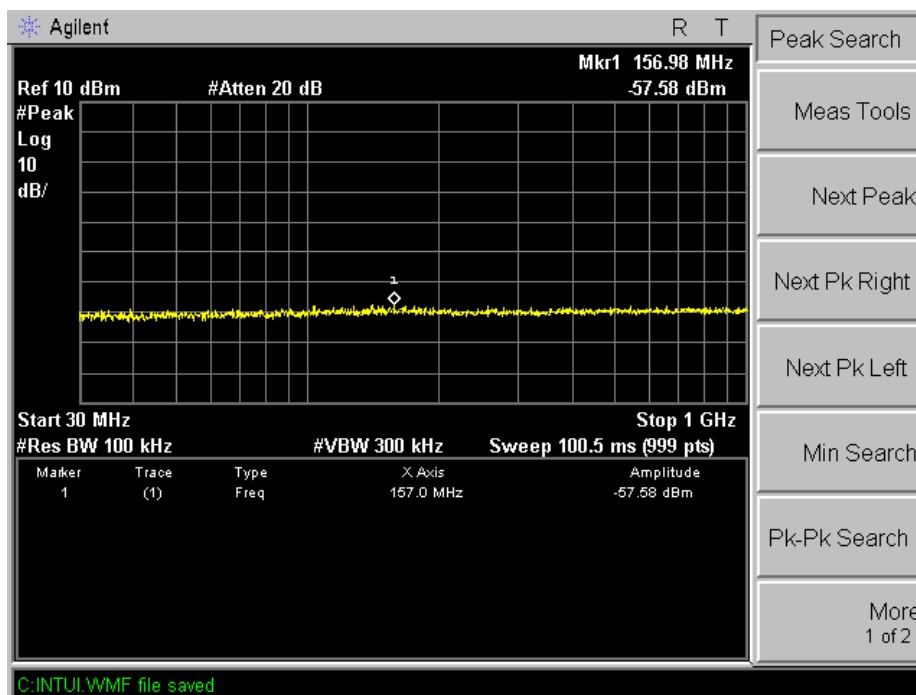
TX 802.11b Channel Low 2412MHz



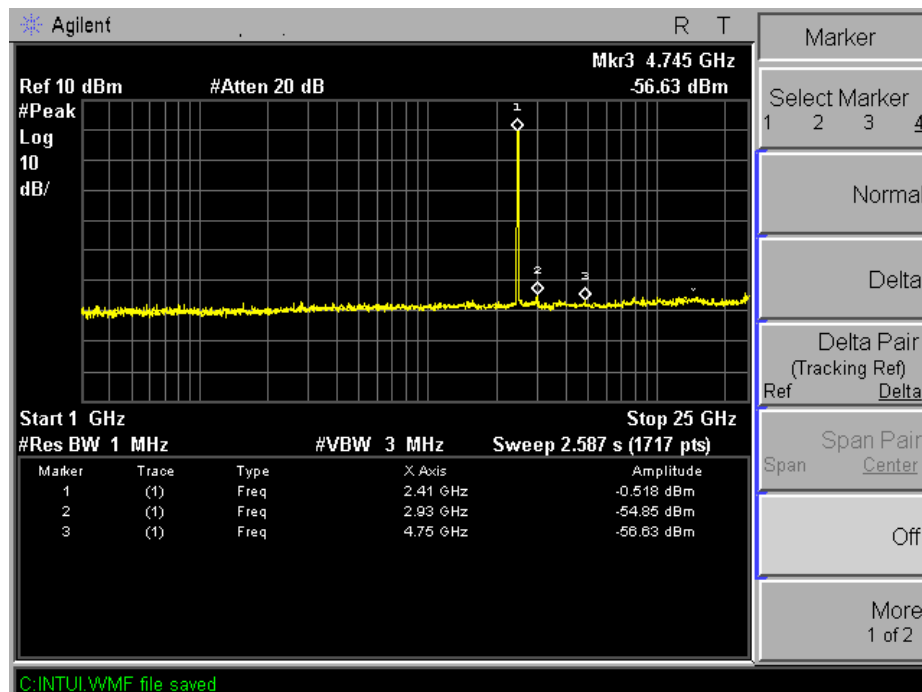
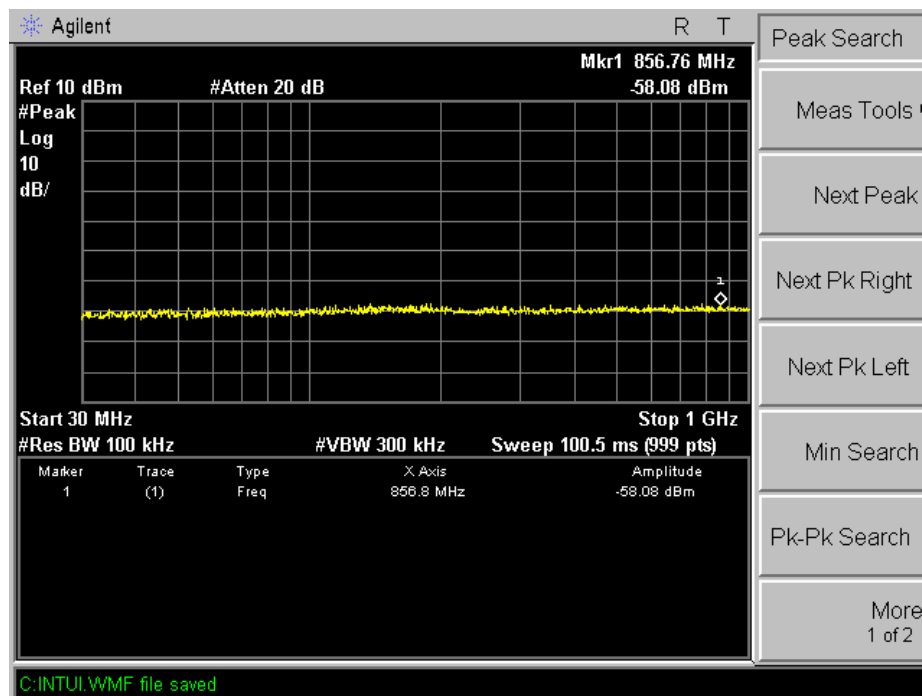
TX 802.11b Channel Middle 2437MHz



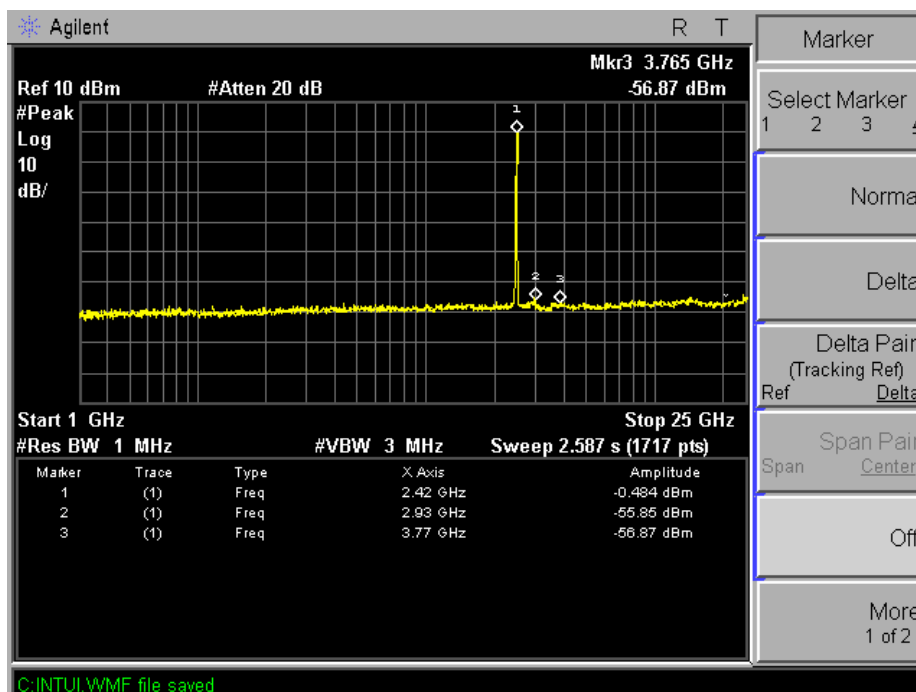
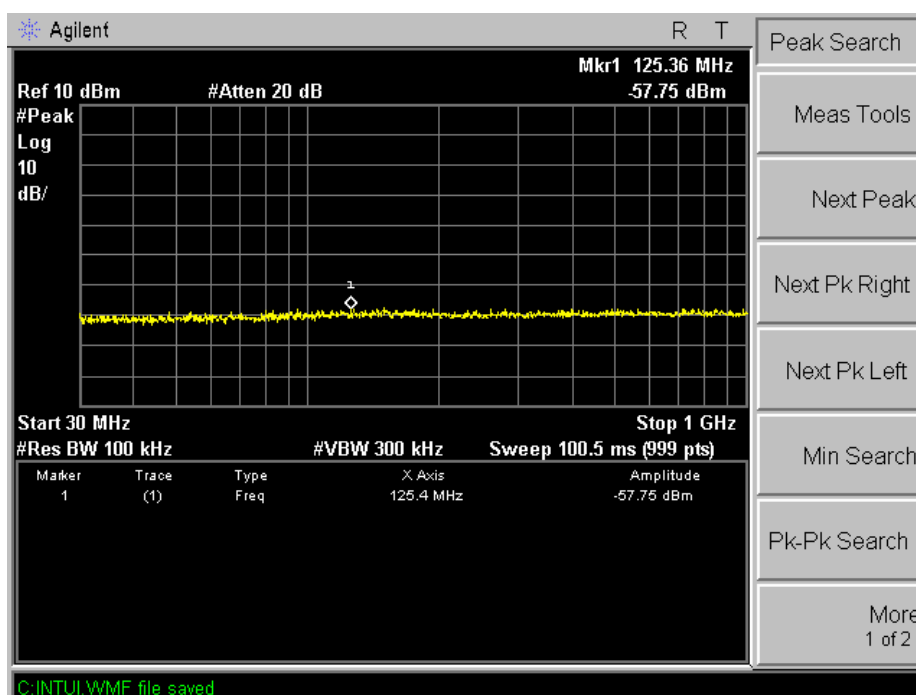
TX 802.11b Channel High 2462MHz



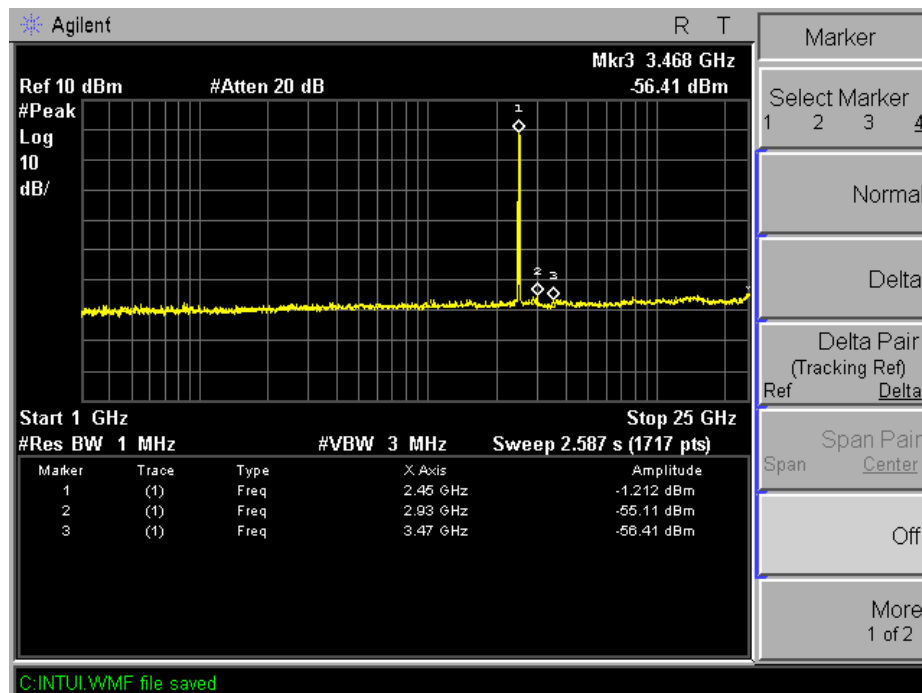
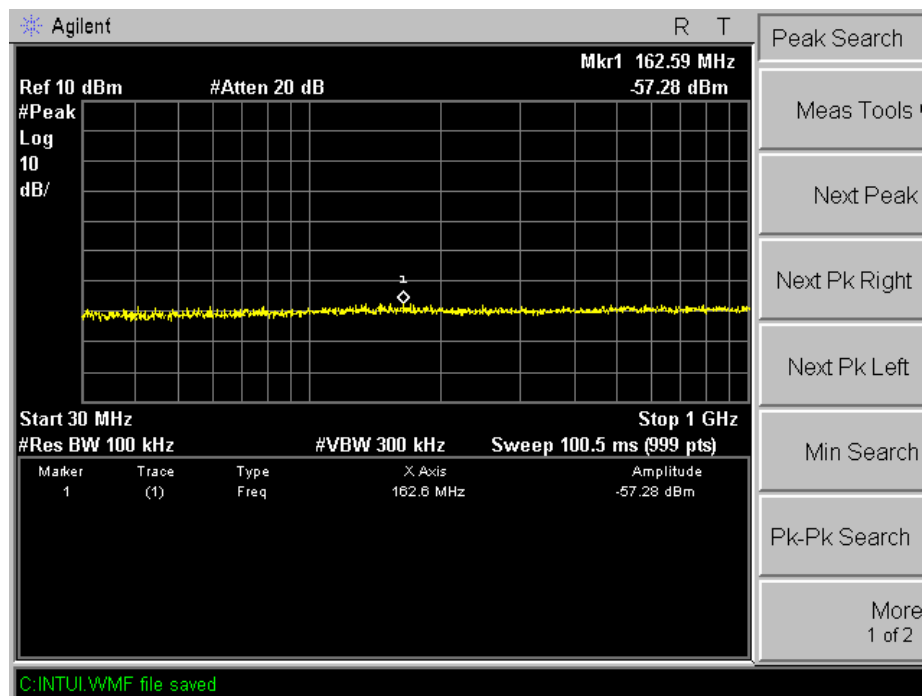
TX 802.11g Channel Low 2412MHz



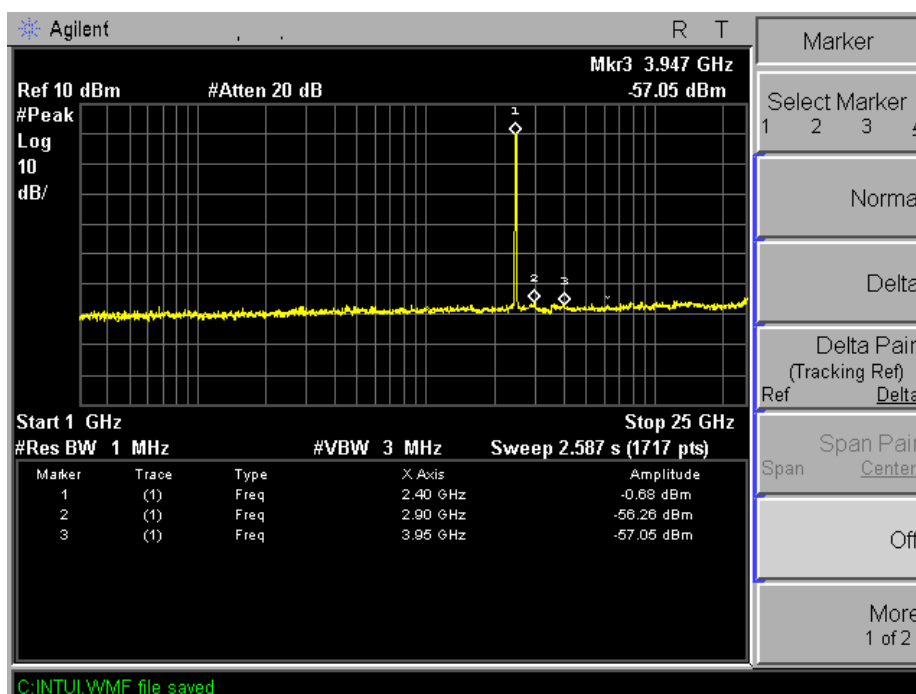
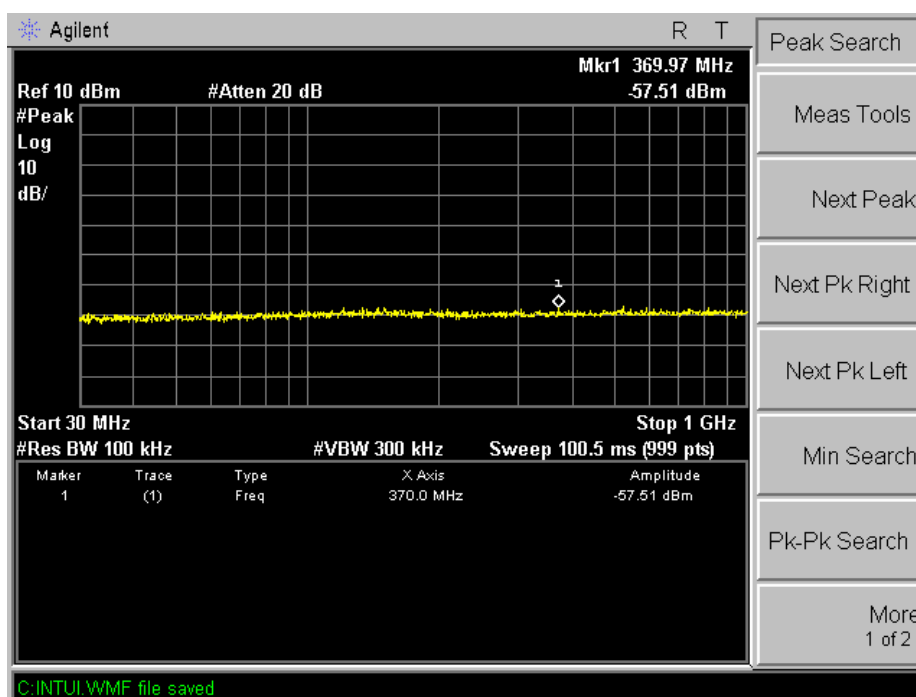
TX 802.11g Channel Middle 2437MHz



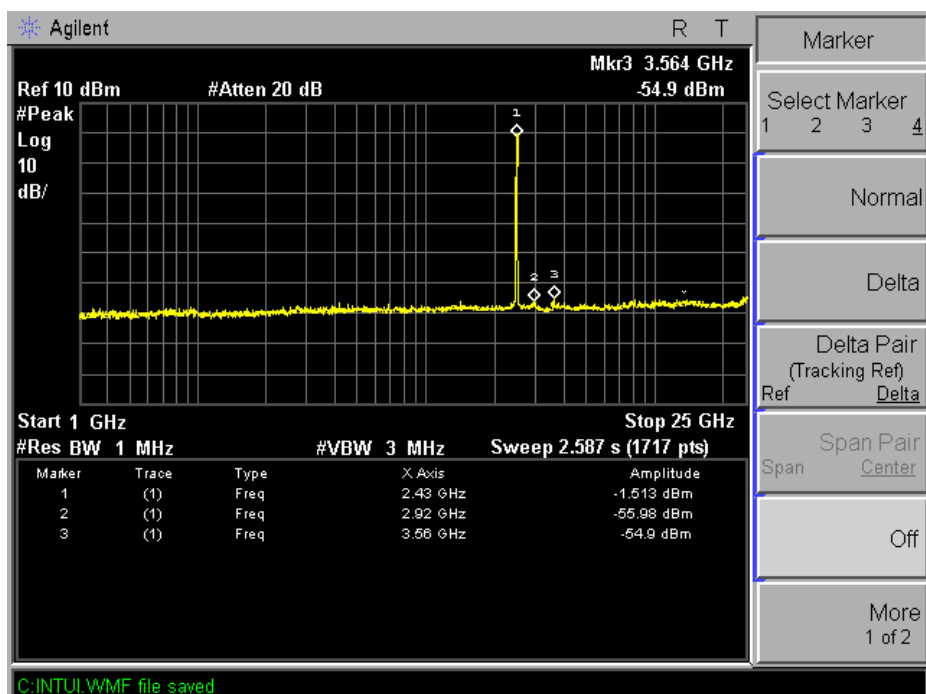
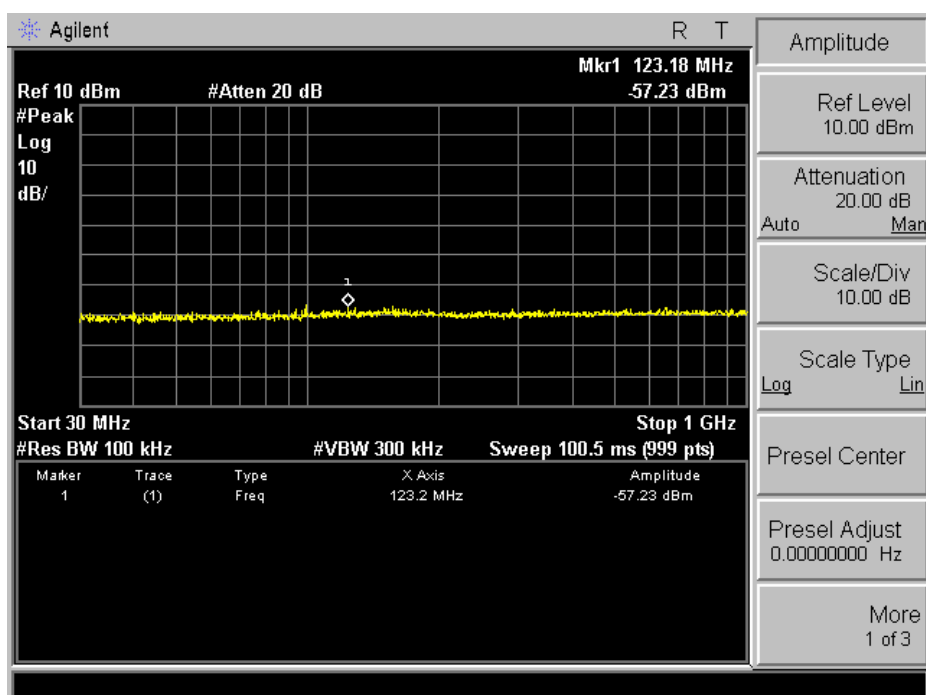
TX 802.11g Channel High 2462MHz



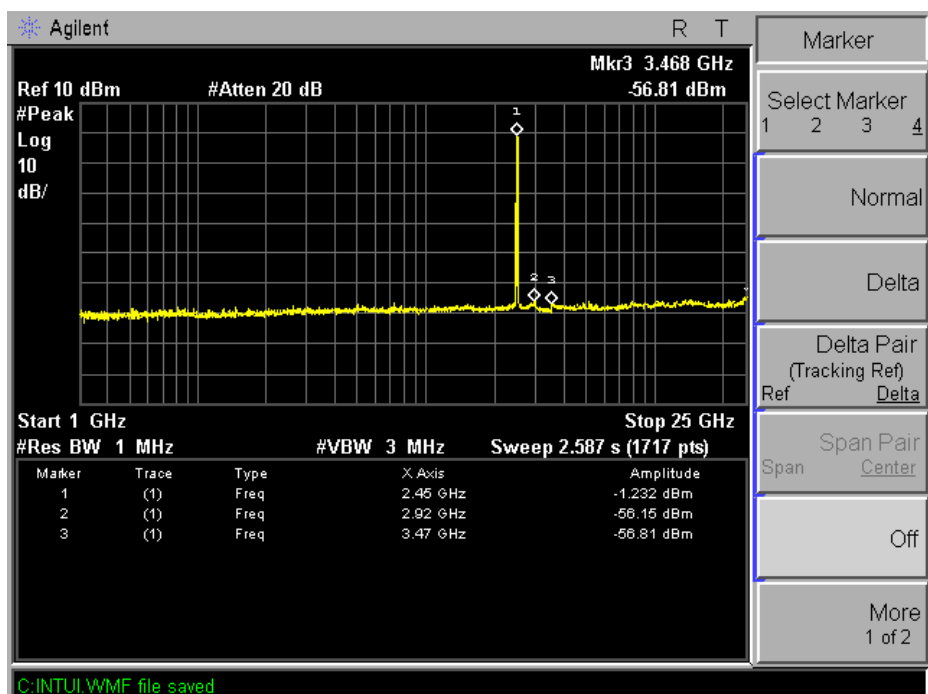
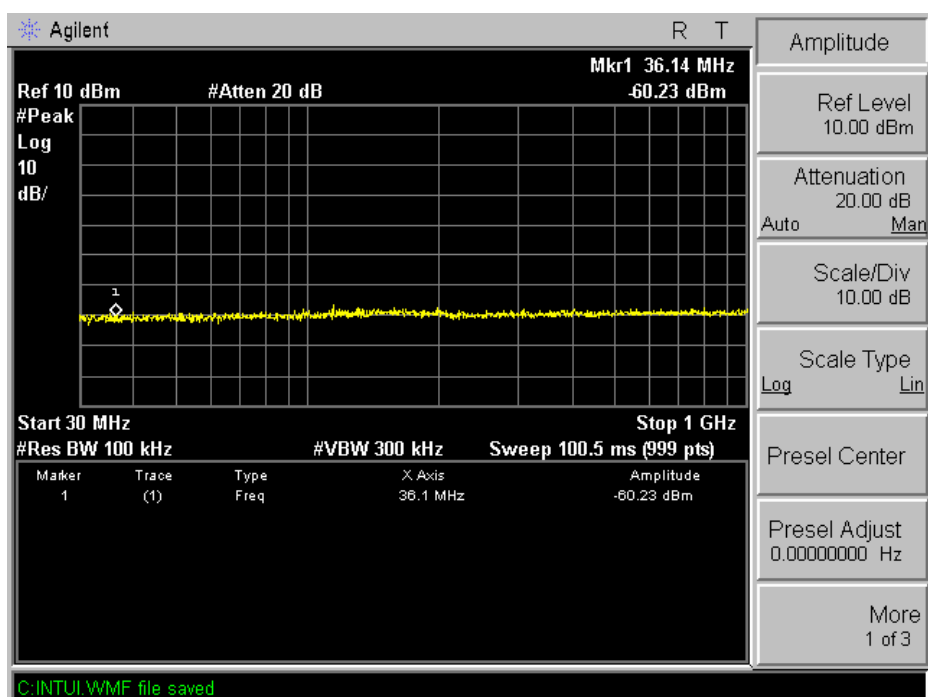
TX 802.11n Channel Low 2412MHz (20MHz)



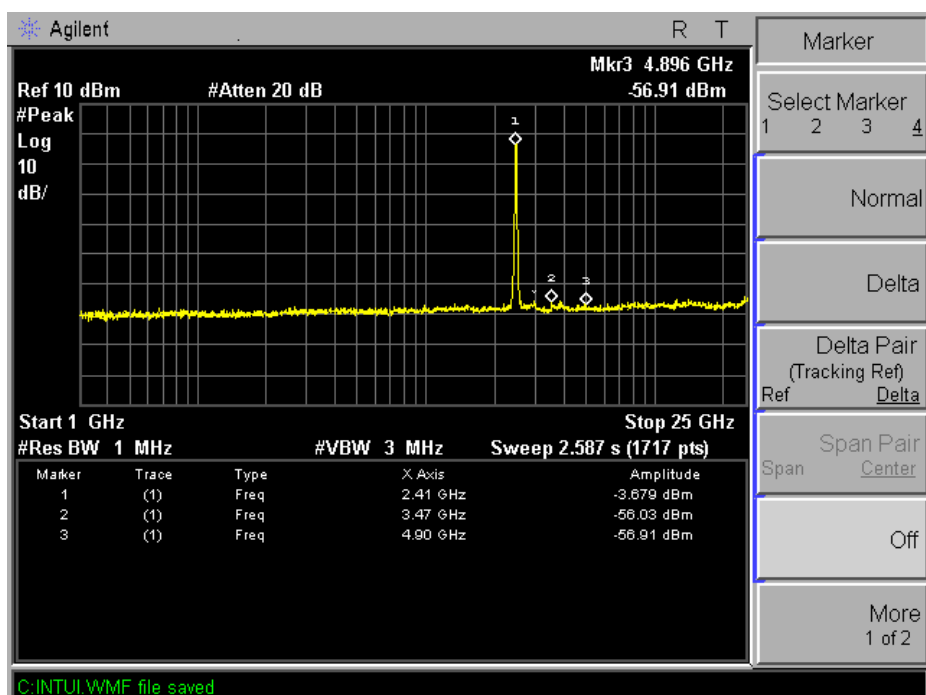
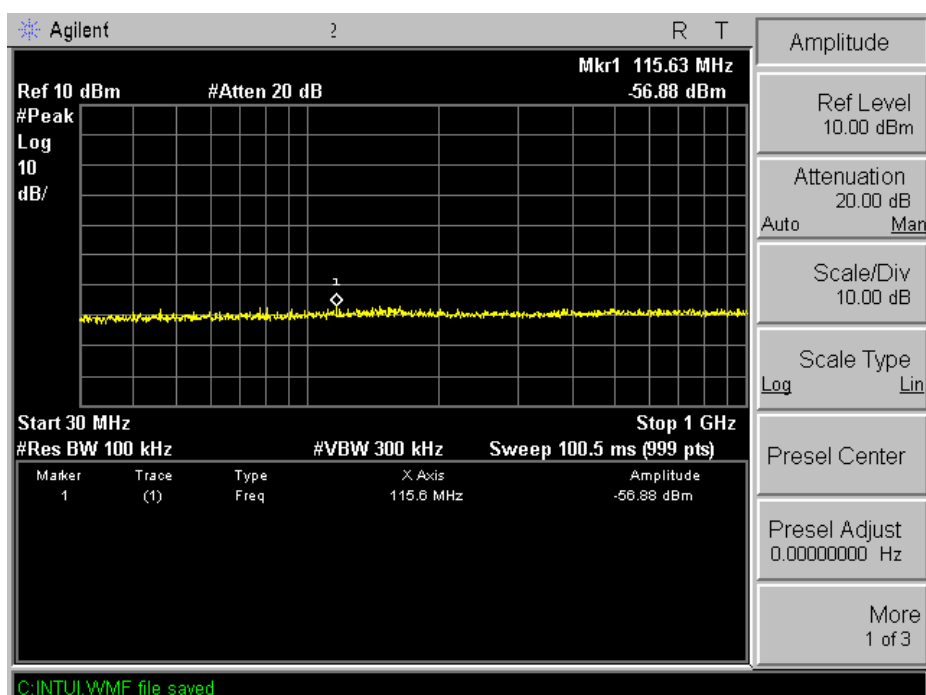
TX 802.11n Channel Middle 2437MHz (20MHz)



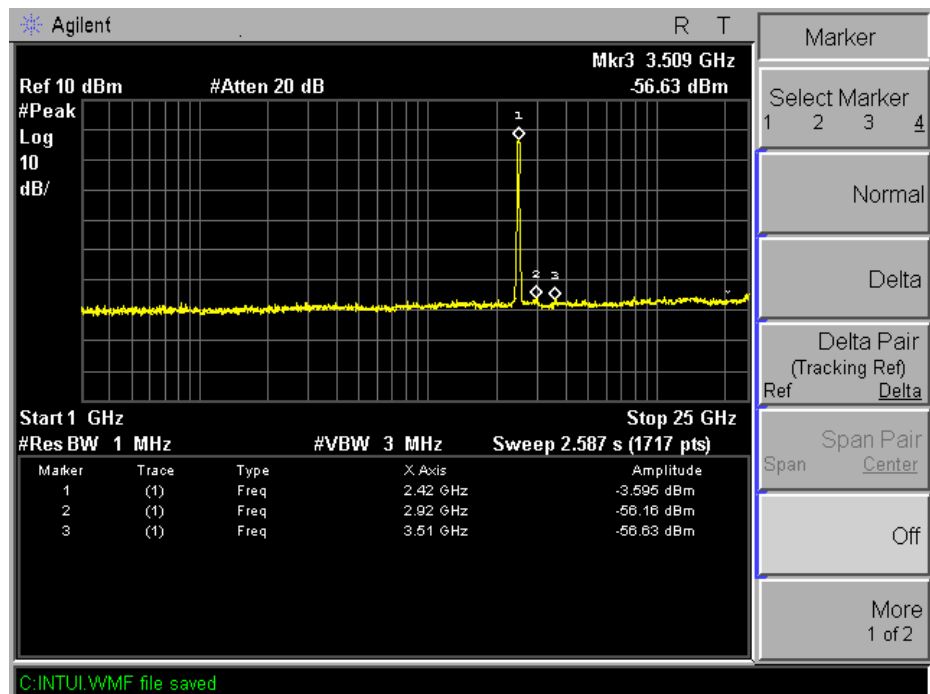
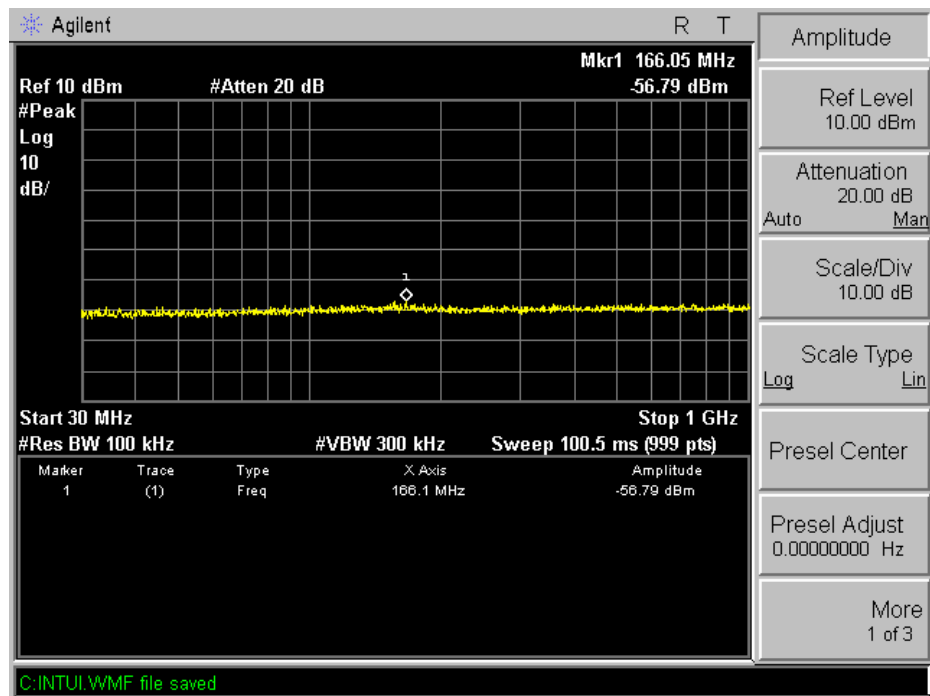
TX 802.11n Channel High 2462MHz (20MHz)



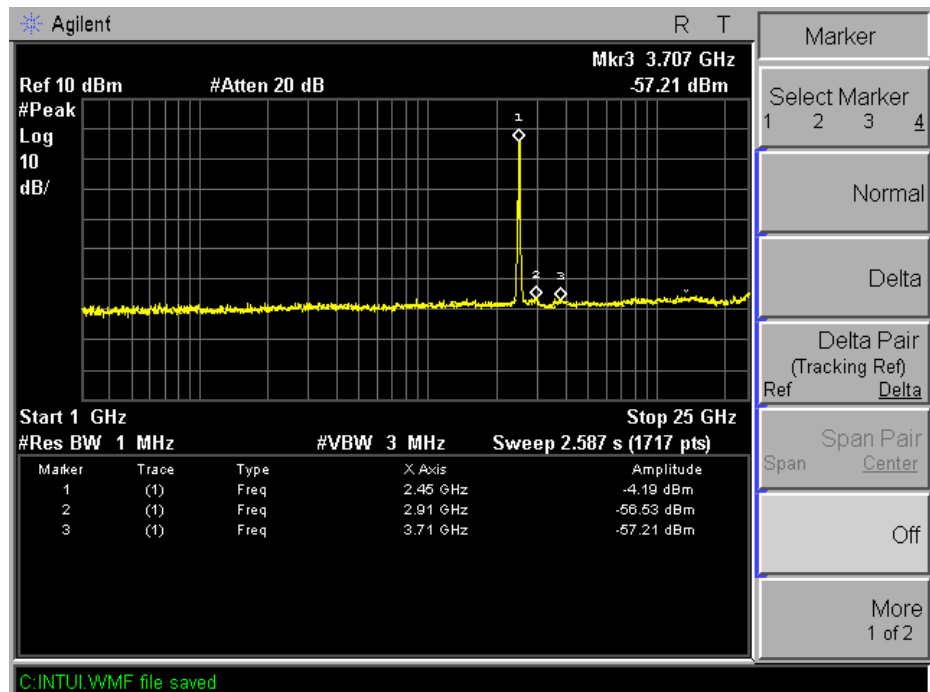
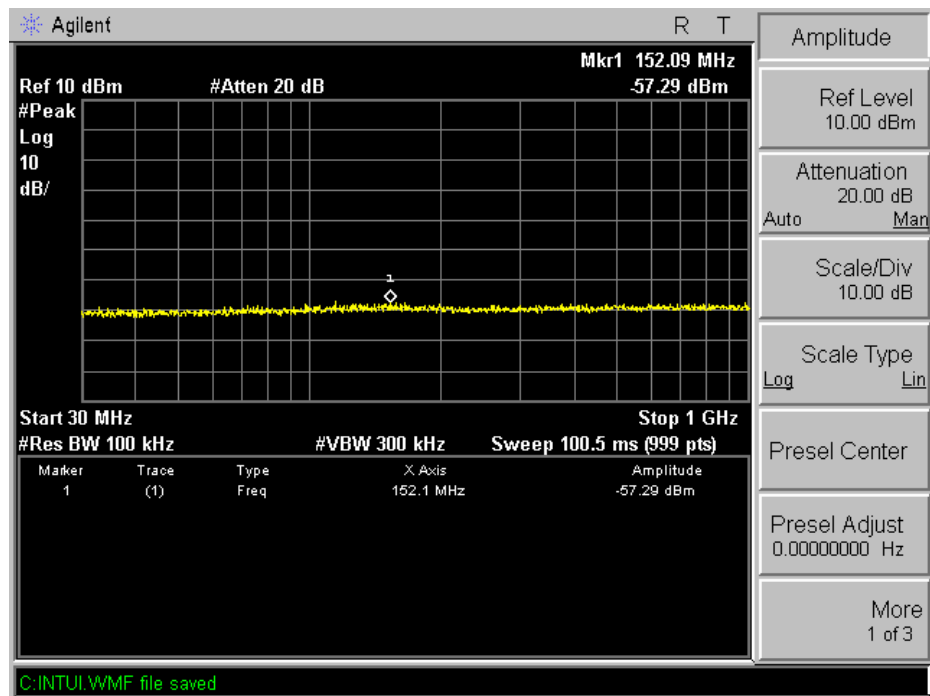
TX 802.11n Channel Low 2422MHz (40MHz)



TX 802.11n Channel Middle 2437MHz (40MHz)



TX 802.11n Channel High 2452MHz (40MHz)



11.ANTENNA REQUIREMENT

11.1.The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

11.2.Antenna Construction

Device is equipped with unique antenna, which isn't displaced by other antenna. Therefore, the equipment complies with the antenna requirement of Section 15.203.

Antenna

