



## Co-location Report

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**FCC ID:** SFK-WF1801

**APPLICANT:** CIG Shanghai Co., Ltd.

**Application Type:** Certification

**Product:** 2x2 dual band 802.11ac indoor AP

**Model No.:** WF-180

**FCC Classification:** Digital Transmission System (DTS)

Unlicensed National Information Infrastructure (UNII)

**Test Date:** Sep. 15 ~ 24, 2014

Reviewed By : Robin Wu  
( Robin Wu )

Approved By : Marlin Chen  
( Marlin Chen )



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.4-2014. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

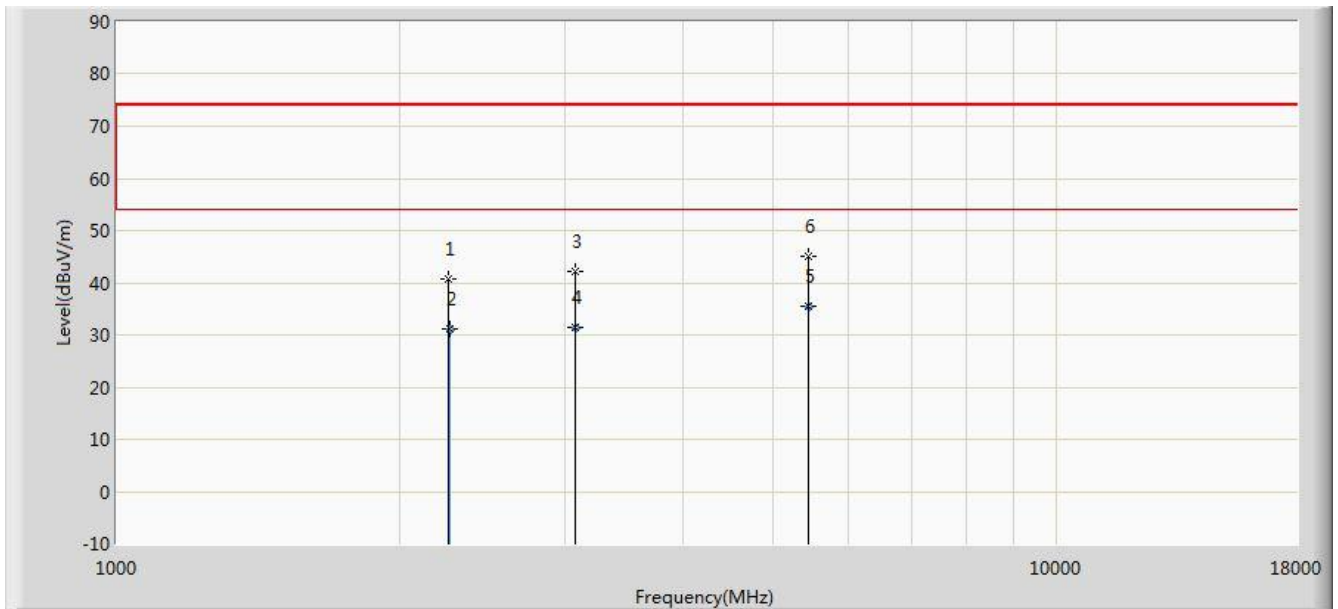
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## Revision History

Report No.	Version	Description	Issue Date
1507RSU00105	Rev. 01	Initial report	07-20-2015

## 1. TEST RESULT of Radiated Emissions for Co-located

Test Mode:	2.4GHz + 5GHz Transmit	Test Site:	AC1
Test Engineer:	Roy Cheng	Polarity:	Horizontal
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		

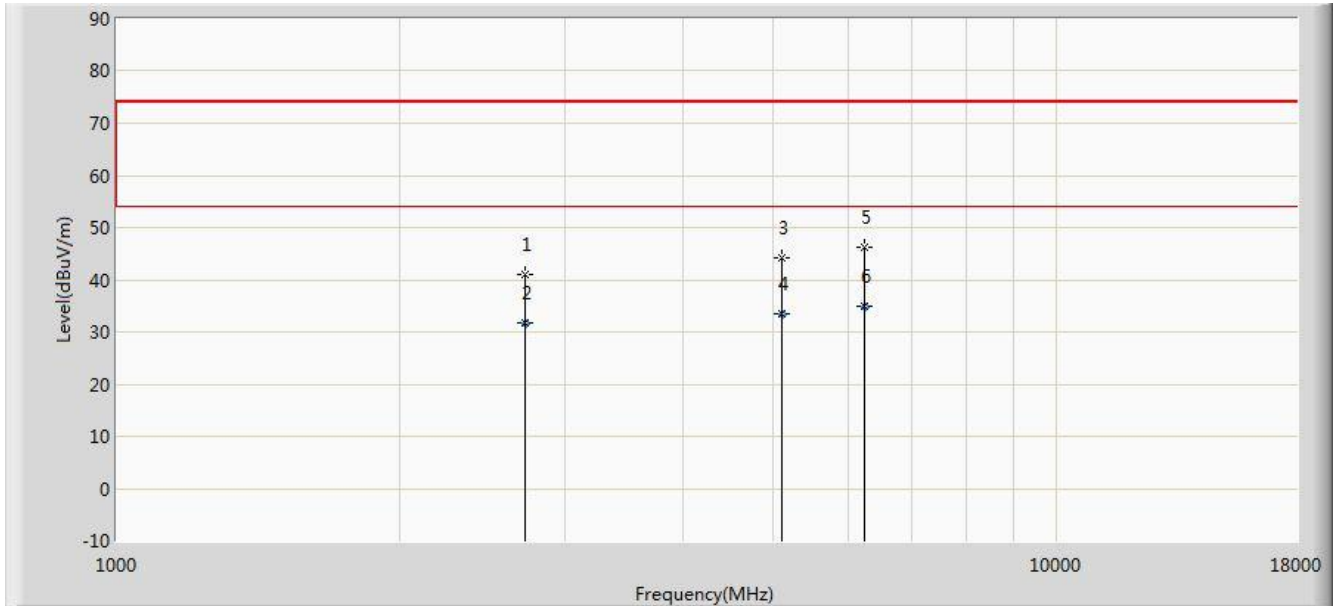


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2258.000	40.786	37.694	-33.214	74.000	3.092	PK
2			2258.650	31.043	27.952	-22.957	54.000	3.090	AV
3			3074.000	42.037	38.559	-31.963	74.000	3.478	PK
4		*	3074.550	31.428	27.950	-22.572	54.000	3.478	AV
5			5445.355	35.368	28.355	-18.632	54.000	7.012	AV
6			5445.500	45.077	38.064	-28.923	74.000	7.012	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

Test Mode:	2.4GHz + 5GHz Transmit	Test Site:	AC1
Test Engineer:	Roy Cheng	Polarity:	Vertical
Remark:	There is the ambient noise within frequency range 9kHz~30MHz and 18GHz~40GHz, the permissible value is not show in the report.		



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2717.000	41.105	37.825	-32.895	74.000	3.280	PK
2			2717.024	31.630	28.350	-22.370	54.000	3.280	AV
3			5097.000	44.095	36.998	-29.905	74.000	7.097	PK
4			5097.355	33.619	26.520	-20.381	54.000	7.099	AV
5			6253.000	46.228	36.744	-27.772	74.000	9.484	PK
6			6253.255	34.843	25.358	-19.157	54.000	9.485	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB).

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