

## Co-location Report

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**FCC ID:** TE7RE450V2

**APPLICANT:** TP-Link Technologies Co., Ltd.

**Application Type:** Certification

**Product:** AC1750 Wi-Fi Range Extender

**Model No.:** RE450

**Brand Name:** TP-Link

**FCC Classification:** Digital Transmission System (DTS)  
Unlicensed National Information Infrastructure (UNII)

**Test Date:** May 02 ~ 25, 2017

Reviewed By : Paddy Chen  
( Paddy Chen )

Approved By : Chenz Ker  
(Chenz Ker)



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 C63.4-2013. Test results reported herein relate only to the item(s) tested.

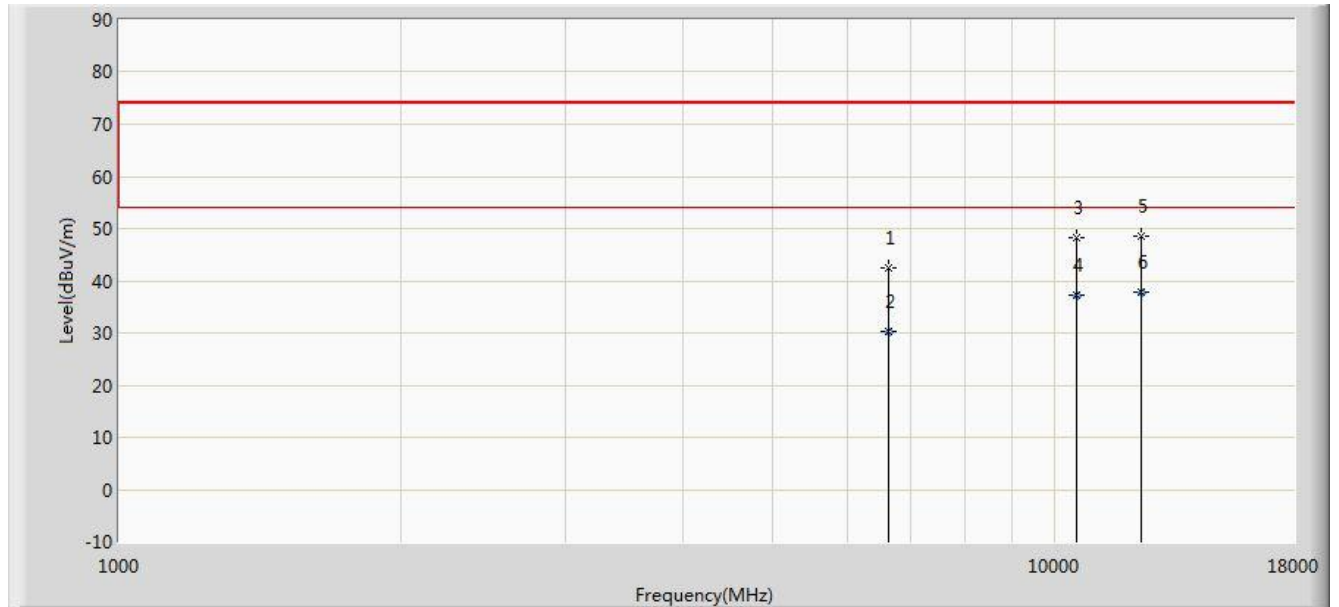
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## Revision History

Report No.	Version	Description	Issue Date	Note
1706TW0118-U5	Rev. 01	Initial report	06-25-2017	Valid

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

Test Mode:	2.4GHz + 5GHz Transmit	Test Site:	AC1
Test Engineer:	Kevin Ker	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.		



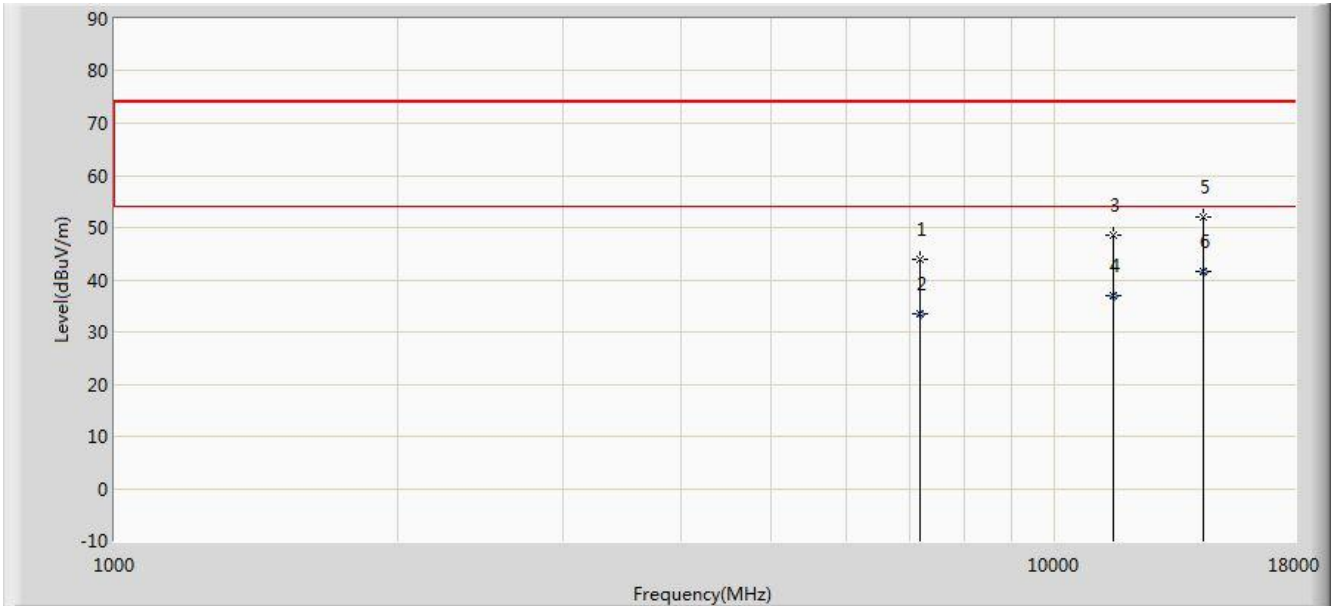
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			6635.500	42.399	36.377	-31.601	74.000	6.022	PK
2			6635.500	30.332	24.310	-23.668	54.000	6.022	AV
3			10545.500	48.404	35.944	-25.596	74.000	12.460	PK
4			10545.500	37.190	24.730	-16.810	54.000	12.460	AV
5			12381.500	48.565	37.028	-25.435	74.000	11.537	PK
6		*	12381.500	37.917	26.380	-16.083	54.000	11.537	AV

Note 1: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

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

Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

Test Mode:	2.4GHz + 5GHz Transmit	Test Site:	AC1
Test Engineer:	Kevin Ker	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			7196.500	43.969	36.159	-30.031	74.000	7.810	PK
2			7196.500	33.420	25.610	-20.580	54.000	7.810	AV
3			11557.000	48.466	35.767	-25.534	74.000	12.699	PK
4			11557.000	36.879	24.180	-17.121	54.000	12.699	AV
5			14396.000	52.114	36.320	-21.886	74.000	15.794	PK
6			14396.000	41.504	25.710	-12.496	54.000	15.794	AV

Note 1: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

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

Note 2: We selected the 2.4GHz and 5GHz worst-case mode of radiated spurious emissions in the DTS and UNII reports.

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