



Co-location Report

FCC ID: TK4WPJ428

APPLICANT: Compex Systems Pte Ltd

Application Type: Certification

Product: Wireless Access Point

Model No.: WPJ428HV

Serial Model: WPJ428LV, WPJ418LV, WPJ418HV, MMS428LV,
MMS428HV, MMS418LV, MMS418HV

Brand Name: COMPEX

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

Test Date: April 08 ~ June 22, 2017

Reviewed By : Jame Yuan
(Jame Yuan)

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 C63.4-2013. 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.

Revision History

Report No.	Version	Description	Issue Date	Note
1704RSU00203	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.		



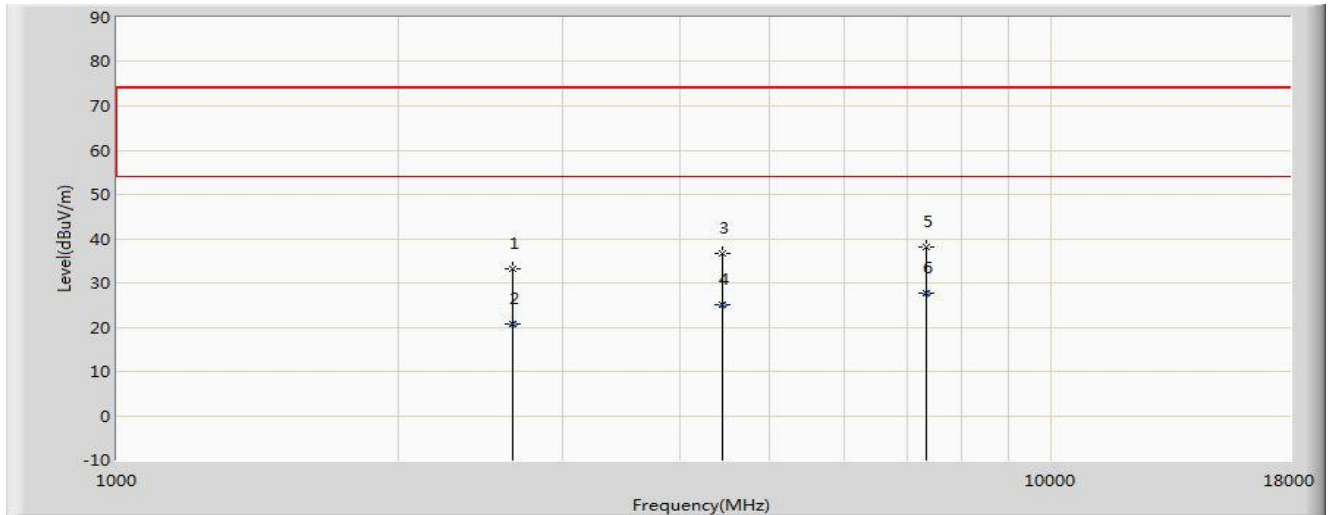
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			4602.500	36.495	34.480	-37.505	74.000	2.015	PK
2			4602.500	23.425	21.410	-30.575	54.000	2.015	AV
3			5975.000	37.391	33.101	-36.609	74.000	4.290	PK
4			5975.000	25.050	20.760	-28.950	54.000	4.290	AV
5			8156.000	39.960	31.534	-34.040	74.000	8.426	PK
6		*	8156.000	28.486	20.060	-25.514	54.000	8.426	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		*	2652.500	33.329	36.428	-40.671	74.000	-3.098	PK
2			2652.500	20.731	23.830	-33.269	54.000	-3.098	AV
3			4452.500	36.562	35.048	-37.438	74.000	1.513	PK
4			4452.500	25.094	23.580	-28.906	54.000	1.513	AV
5			7344.000	38.200	30.173	-35.800	74.000	8.026	PK
6			7344.000	27.587	19.560	-26.413	54.000	8.026	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.

The End