



Co-location Report

FCC ID: 2AGN8-Z02HUB
IC: 20888-Z02HUB
APPLICANT: Sengled Co., Ltd.

Application Type: Certification
Product: Element hub
Model No.: Z02-hub
Trademark: sengled
FCC Classification: Digital Transmission System (DTS)
Unlicensed National Information Infrastructure (UNII)
Test Date: April 20 ~ 27, 2016

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.

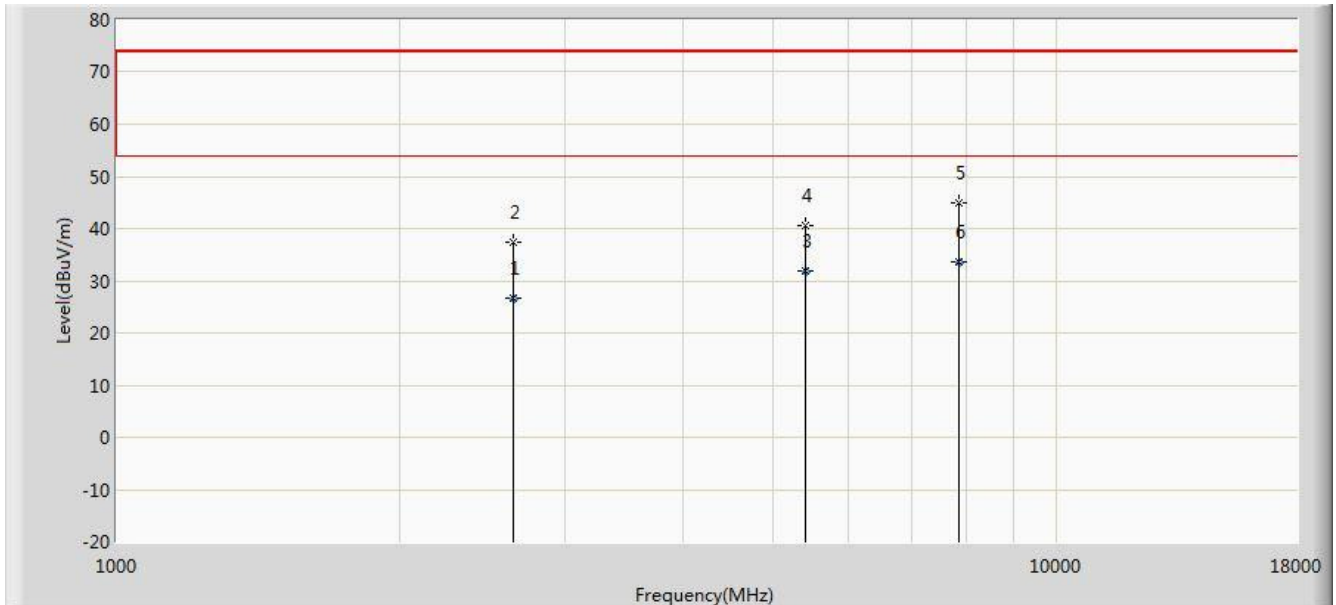
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Revision History

Report No.	Version	Description	Issue Date
1604RSU01603	Rev. 01	Initial report	04-27-2016

1. TEST RESULT of Radiated Emissions for Co-located

Test Mode:	2.4GHz Wi-Fi + 2.4GHz ZigBee	Test Site:	AC1
Test Engineer:	Vince Yu	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.		

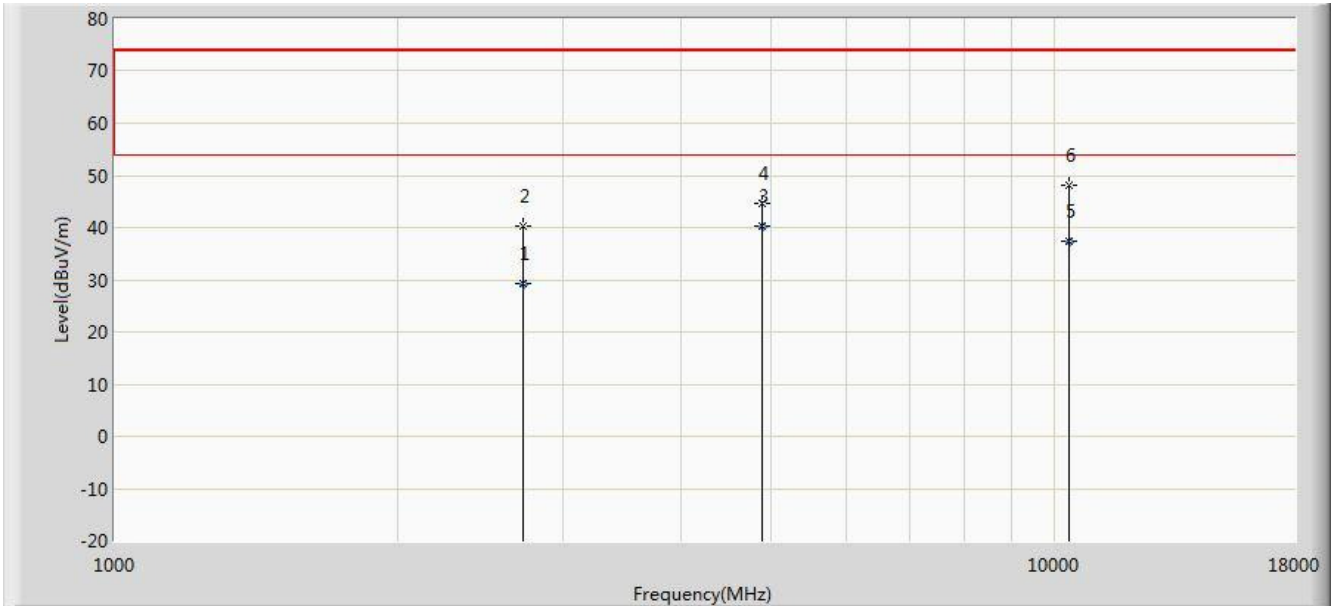


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2639.800	26.796	29.960	-27.204	54.000	-3.163	AV
2			2640.500	37.429	40.590	-36.571	74.000	-3.162	PK
3			5410.660	31.908	28.690	-22.092	54.000	3.218	AV
4			5411.500	40.440	37.215	-33.560	74.000	3.226	PK
5			7859.500	44.828	36.429	-29.172	74.000	8.399	PK
6		*	7860.500	33.587	25.189	-20.413	54.000	8.398	AV

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 Wi-Fi + 2.4GHz ZigBee	Test Site:	AC1
Test Engineer:	Vince Yu	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			2716.980	29.238	31.889	-24.762	54.000	-2.651	AV
2			2717.000	40.220	42.871	-33.780	74.000	-2.651	PK
3		*	4875.990	40.395	37.720	-13.605	54.000	2.675	AV
4			4876.000	44.521	41.846	-29.479	74.000	2.675	PK
5			10366.280	37.368	25.190	-16.632	54.000	12.179	AV
6			10367.000	48.256	36.078	-25.744	74.000	12.178	PK

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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