Report No: CCISE170601306

FCC REPORT

Applicant: SHENZHEN QIE MOBILE COMMUNICATION CO.,LTD

Address of Applicant: 11/F, Block B, TCL Tower, Gao Xin Nan 1st road, Nanshan

District, Shenzhen, Guangdong, P.R China 518057

Equipment Under Test (EUT)

Product Name: mobile phone

Model No.: SMART PLUS LTE

Trade mark: ÖWN

FCC ID: 2AL7DSMARTPLUSLTE

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 05 Jun., 2017

Date of Test: 05 Jun., to 10 July, 2017

Date of report issued: 11 July, 2017

Test Result: Pass *

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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^{*} In the configuration tested, the EUT complied with the standards specified above.





2 Version

Version No.	Date	Description
00	11 July, 2017	Original

Tested by:

Test Engineer

Date: 11 July, 2017

Reviewed by: Lyan Lee Date: 11 July, 2017

Project Engineer





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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass

Pass: The EUT complies with the essential requirements in the standard.



Report No: CCISE170601306

5 General Information

5.1 Client Information

Applicant:	SHENZHEN QIE MOBILE COMMUNICATION CO.,LTD
Address of Applicant:	11/F, Block B, TCL Tower, Gao Xin Nan 1st road, Nanshan District, Shenzhen, Guangdong, P.R China 518057
Manufacturer	SHENZHEN QIE MOBILE COMMUNICATION CO.,LTD
Address of Manufacturer:	11/F, Block B, TCL Tower, Gao Xin Nan 1st road, Nanshan District, Shenzhen, Guangdong, P.R China 518057

5.2 General Description of E.U.T.

Product Name:	mobile phone
Model No.:	SMART PLUS LTE
Power supply:	Rechargeable Li-ion Battery DC3.8V-2700mAh
AC adapter :	Adapter ①
	Model: SMART PLUS LTE-US
	Input: AC100-240V 50/60Hz 0.2A
	Output: DC 5.0V, 1000mA
	Adapter@
	Model: SMART PLUS LTE
	Input: AC100-240V 50/60Hz 0.2A
	Output: DC 5.0V, 1000mA

5.3 Test Mode

Operating mode	Detail description
PC mode	Keep the EUT in Downloading mode(Worst case compared with FM/GPS Mode)
Charging+Recording mode	Keep the EUT in Charging+Recording mode (adapter ①)
Charging+Recording mode	Keep the EUT in Charging+Recording mode (adapter@)
Charging+Playing mode	Keep the EUT in Charging+Playing mode (adapter ①)
Charging+Playing mode	Keep the EUT in Charging+Playing mode (adapter②)
FM mode	Keep the EUT in FM receiver mode
GPS mode	Keep the EUT in GPS receiver mode

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worse case are shown in Test Results of the following pages.

5.4 Measurement Uncertainty

Items	Expanded Uncertainty (Confidence of 95%)
Conducted Emission (9kHz ~ 30MHz)	2.14 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	4.24 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	4.35 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	4.44 dB (k=2)

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Telephone: +86 (0) 755 2311 8282 Fax: +86 (0) 755 2311 6366



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4.56 dB (k=2)

55	Description	of Support	Unite
ວ.ວ	Describtion	of Support	Units

Radiated Emission (18GHz ~ 26.5GHz)

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX745	N/A	DoC
DELL	MONITOR	E178FPC	N/A	DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC
HP	Printer	CB495A	05257893	DoC
MERCURY	Wireless router	MW150R	12922104015	FCC ID
NAKAMICHI	Bluetooth earphone	T8	N/A	FCC ID

5.6 Laboratory Facility

The test facility is recognized, certified, or accredited by the following organizations:

• FCC - Registration No.: 817957

Shenzhen Zhongjian Nanfang Testing Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in out files. Registration 817957, February 27, 2012.

• IC - Registration No.: 10106A-1

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

5.7 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China

Website: http://www.ccis-cb.com

Tel: +86-755-23118282 Fax:+86-755-23116366 Email: info@ccis-cb.com

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 2311 8282 Fax: +86 (0) 755 2311 6366





5.8 Test Instruments list

Radia	Radiated Emission:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)
1	3m SAC	SAEMC	9(L)*6(W)* 6(H)	CCIS0001	08-23-2014	08-22-2017
2	BiConiLog Antenna	SCHWARZBECK	VULB9163	CCIS0005	02-25-2017	02-24-2018
3	Horn Antenna	SCHWARZBECK	BBHA9120D	CCIS0006	02-25-2017	02-24-2018
4	Pre-amplifier (10kHz-1.3GHz)	HP	8447D	CCIS0003	02-25-2017	02-24-2018
5	Pre-amplifier (1GHz-18GHz)	Compliance Direction Systems Inc.	PAP-1G18	CCIS0011	02-25-2017	02-24-2018
6	Spectrum analyzer 9k-30GHz	Rohde & Schwarz	FSP30	CCIS0023	02-25-2017	02-24-2018
7	EMI Test Receiver	Rohde & Schwarz	ESRP7	CCIS0167	02-25-2017	02-24-2018
8	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
9	Coaxial Cable	N/A	N/A	CCIS0018	02-25-2017	02-24-2018
10	Coaxial Cable	N/A	N/A	CCIS0020	02-25-2017	02-24-2018

Cond	Conducted Emission:						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	Shielding Room	ZhongShuo Electron	11.0(L)x4.0(W)x3.0(H)	CCIS0061	08-23-2014	08-22-2017	
2	EMI Test Receiver	Rohde & Schwarz	ESCI	CCIS0002	02-25-2017	02-24-2018	
3	LISN	CHASE	MN2050D	CCIS0074	02-25-2017	02-24-2018	
4	Coaxial Cable	CCIS	N/A	CCIS0086	02-25-2017	02-24-2018	
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	



6 Test results and Measurement Data

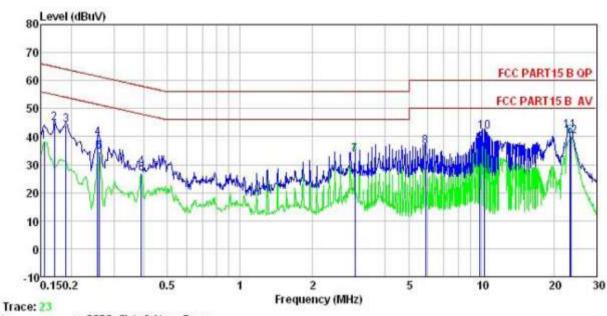
6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107			
Test Method:	ANSI C63.4:2014			
Test Frequency Range:	150kHz to 30MHz			
Class / Severity:	Class B			
Receiver setup:	RBW=9kHz, VBW=30kHz			
Limit:	Frequency range (MHz)	Limit	(dBµV)	
		Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	0.5-30	60	50	
Took ookun.	* Decreases with the logarith			
Test setup:	LISN A	LISN	_	
	Remark E.U.T Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	EMI Receiver	ower	
Test procedure	 The E.U.T and simulators line impedance stabilization 500hm/50uH coupling impedance. The peripheral devices are a LISN that provides a 50 termination. (Please refer photographs). Both sides of A.C. line are interference. In order to fin positions of equipment an according to ANSI C63.4: 	on network(L.I.S.N.). To be dance for the measure also connected to the ohm/50uH coupling important to the block diagram are checked for maximum and the maximum emissed all of the interface care	the provide a suring equipment. The main power through spedance with 500hm of the test setup and the conducted sion, the relative ables must be changed	
Test environment:	Temp.: 23 °C Hur	nid.: 56% Pi	ress.: 101kPa	
Test Instruments:	Refer to section 5.7 for details			
Test mode:	Refer to section 5.3 for details			
Test results:	Pass			
. oot roodito.	1. 400			



Measurement data: PC mode test data:

Line:



Site : CCIS Shielding Room Condition : FCC PART15 B QP LISN LINE EUT : mobile phone

EUT : mobile phone
Model : SMART PLUS LTE
Test Mode : PC mode
Power Rating : AC120/60Hz

Environment : Temp: 23 °C Huni: 56% Atmos: 101KPa

Test Engineer: YT

Remark

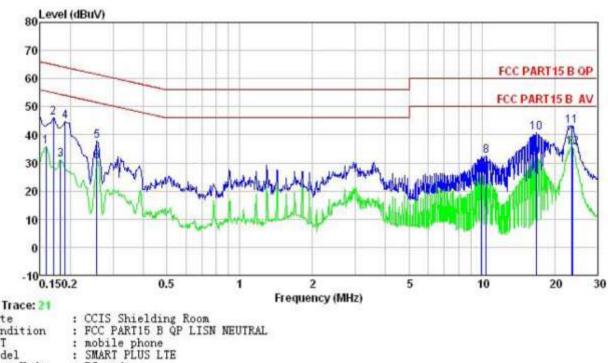
vemark								
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∀	₫₿	₫B	dBu∀	dBu∀	<u>dB</u>	
1	0.154	27.35	0.14	10.78	38.27	55.78	-17.51	Average
2	0.170	33.73	0.14	10.77	44.64	64.94	-20.30	QP
1 2 3 4 5 6 7 8 9	0.190	33.36	0.15	10.76	44.27	64.02	-19.75	QP
4	0.258	28.59	0.16	10.75	39.50	61.51	-22.01	QP
5	0.262	23.61	0.16	10.75	34.52	51.38	-16.86	Average
6	0.389	15.79	0.23	10.72	26.74	48.08	-21.34	Average
7	2.993	22.12	0.33	10.92	33.37	46.00	-12.63	Average
8	5.867	25.30	0.35	10.82	36.47	60.00	-23.53	QP
9	9.861	26.12	0.30	10.93	37.35	50.00	-12.65	Average
10	10.288	30.50	0.30	10.94	41.74	60.00	-18.26	QP
11	23.387	30.79	0.35	10.89	42.03	60.00	-17.97	QP
12	23.511	28.89	0.35	10.88	40.12	50.00	-9.88	Average

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Neutral:



Site Condition

EUT Model Test Mode : PC mode
Power Rating : AC120/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT

Nemark									
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark	
-	MHz	dBu∜	₫₿	d₿	dBu∀	dBu∀	₫B		-
1	0.158	24.92	0.13	10.78	35.83	55.56	-19.73	Average	
2	0.170	35.23	0.13	10.77	46.13	64.94	-18.81	QP	
3	0.182	20.33	0.14	10.77	31.24	54.42	-23.18	Average	
4	0.190	33, 81	0.14	10.76	44.71		-19.31		
5	0.258	26, 75	0.17	10.75	37.67	61.51	-23.84	QP	
6	0.258	19.67	0.17	10.75	30.59			Average	
123456789	9.966	14.38	0.24	10.94	25.56			Average	
8	10.397	21.26	0.24	10.94	32.44		-27.56		
9	16,750	20,62	0.27	10.91	31.80			Average	
10	16.839	29.61	0.27	10.91	40.79		-19.21		
11	23.511	32.08	0.24	10.88	43.20		-16.80		
12	23.636	24.46	0.24	10.88	35.58			Average	

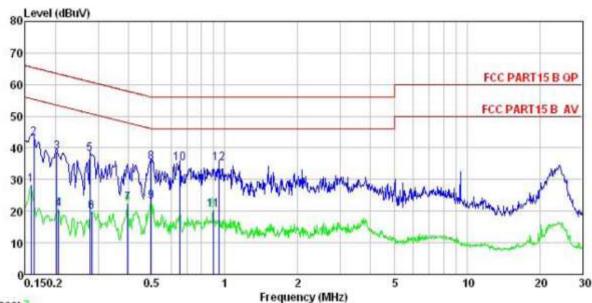
Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Charging+Recording mode test data (adapter 1)

Line:



Trace: 3

: CCIS Shielding Room Site Condition : FCC PART15 B QP LISN LINE

: mobile phone : SMART PLUS LTE FIIT

Model

Test Mode : Charging&Recording Mode Power Rating : AC120/60Hz

Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT

Remark

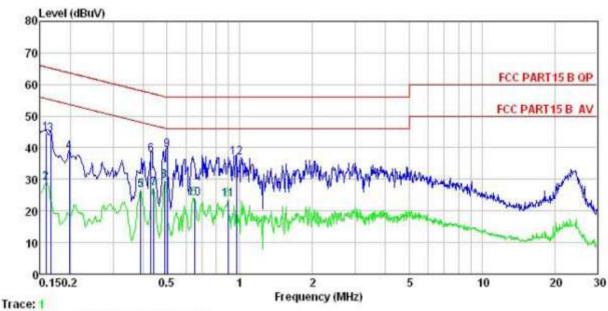
Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
MHz	dBu₹	<u>dB</u>	d₿	dBuV	dBu₹	dB	
0.158	17.36	0.14	10.78	28.28			
0.162		0.14			65.34	-22.19	QP
0.202	27.88	0.15	10.76	38.79	63.54	-24.75	QP
0.206	9.72	0.15	10.76	20.63	53.36	-32.73	Average
0.277	27.09	0.16	10.74	37.99	60.90	-22.91	QP
0.282	8, 83	0.16	10.74	19.73	50.76	-31.03	Average
0.398	11.57	0.24	10.72	22.53			
	24, 55		10.76				
		Control of the Contro					
					Automotive Control		
							The second secon
0.948	23.87	0.27	10.85	34.99			
	MHz 0. 158 0. 162 0. 202 0. 206 0. 277 0. 282 0. 398 0. 497 0. 651 0. 894	Read Level MHz dBuV 0.158 17.36 0.162 32.24 0.202 27.88 0.206 9.72 0.277 27.09 0.282 8.83 0.398 11.57 0.497 12.02 0.651 23.94 0.894 9.18	Read LISN Level Factor MHz dBuV dB 0.158 17.36 0.14 0.162 32.24 0.14 0.202 27.88 0.15 0.206 9.72 0.15 0.277 27.09 0.16 0.282 8.83 0.16 0.398 11.57 0.24 0.497 24.55 0.24 0.497 12.02 0.24 0.651 23.94 0.30 0.894 9.18 0.28	Read LISN Cable Level Factor Loss MHz dBuV dB dB 0.158 17.36 0.14 10.78 0.162 32.24 0.14 10.77 0.202 27.88 0.15 10.76 0.206 9.72 0.15 10.76 0.277 27.09 0.16 10.74 0.282 8.83 0.16 10.74 0.398 11.57 0.24 10.72 0.497 24.55 0.24 10.76 0.497 12.02 0.24 10.76 0.497 12.02 0.24 10.76 0.651 23.94 0.30 10.77 0.894 9.18 0.28 10.84	Read LISN Cable Level Factor Loss Level	Read LISN Cable Limit	Read LISN Cable Limit Over Level Factor Loss Level Line Limit

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level = Receiver Read level + LISN Factor + Cable Loss.



Neutral:



Site

: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

: mobile phone : SMART PLUS LTE EUT Model

Test Mode : Charging&Recording Mode Power Rating : AC120/60Hz Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT

Remark

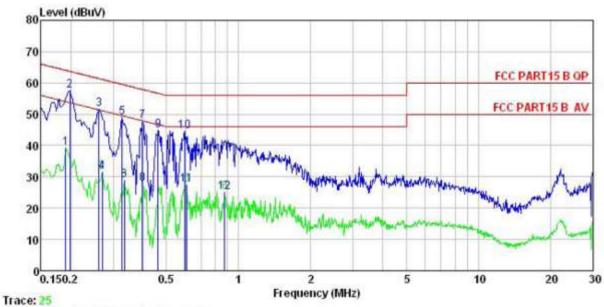
Freq			Cable Loss	Level	Limit Line	Over Limit	Remark
MHz	dBu∀	₫₿	₫B	₫BuV	dBu₹	<u>d</u> B	
0.158	33.77	0.13	10.78	44.68			
0.166	33.48	0.13	10.77	44.38	65.16	-20.78	QP
0.389	15.51	0.23	10.72	26.46	48.08	-21.62	Average
0.442	16.21	0.23	10.74	27.18	47.02	-19.84	Average
0.502	28.19	0.24	10.76	39.19	56.00	-16.81	QP
0.894 0.968	12.59 25.73	0. 28 0. 27	10.84 10.86	23. 71 36. 86	46.00	-22.29	Average
	MHz 0. 158 0. 158 0. 166 0. 198 0. 389 0. 431 0. 442 0. 489 0. 502 0. 651 0. 894	MHz dBuV 0.158 33.77 0.158 17.98 0.166 33.48 0.198 27.76 0.389 15.51 0.431 26.91 0.442 16.21 0.448 18.42 0.502 28.19 0.651 12.97 0.894 12.59	MHz dBuV dB 0.158 33.77 0.13 0.158 17.98 0.13 0.166 33.48 0.13 0.198 27.76 0.15 0.389 15.51 0.23 0.431 26.91 0.23 0.442 16.21 0.23 0.442 16.21 0.23 0.448 18.42 0.24 0.502 28.19 0.24 0.651 12.97 0.31 0.894 12.59 0.28	Freq Level Factor Loss MHz dBuV dB dB dB dB dB dB dB dB dB dB dB dB dB dB dB	MHz dBuV dB dB dBuV 0.158 33.77 0.13 10.78 44.68 0.158 17.98 0.13 10.78 28.89 0.166 33.48 0.13 10.77 44.38 0.198 27.76 0.15 10.76 38.67 0.389 15.51 0.23 10.72 26.46 0.431 26.91 0.23 10.73 37.87 0.442 16.21 0.23 10.74 27.18 0.489 18.42 0.24 10.76 29.42 0.502 28.19 0.24 10.76 39.19 0.651 12.97 0.31 10.77 24.05 0.894 12.59 0.28 10.84 23.71	MHz dBuV dB dB dBuV dBuV 0.158 33.77 0.13 10.78 44.68 65.56 0.158 17.98 0.13 10.78 28.89 55.56 0.166 33.48 0.13 10.77 44.38 65.16 0.198 27.76 0.15 10.76 38.67 63.71 0.389 15.51 0.23 10.72 26.46 48.08 0.431 26.91 0.23 10.73 37.87 57.24 0.442 16.21 0.23 10.74 27.18 47.02 0.489 18.42 0.24 10.76 29.42 46.19 0.502 28.19 0.24 10.76 39.19 56.00 0.651 12.97 0.31 10.77 24.05 46.00 0.894 12.59 0.28 10.84 23.71 46.00	MHz dBuV dB dB dBuV dBuV dB 0.158 33.77 0.13 10.78 44.68 65.56 -20.88 0.158 17.98 0.13 10.78 28.89 55.56 -26.67 0.166 33.48 0.13 10.77 44.38 65.16 -20.78 0.198 27.76 0.15 10.76 38.67 63.71 -25.04 0.389 15.51 0.23 10.72 26.46 48.08 -21.62 0.431 26.91 0.23 10.73 37.87 57.24 -19.37 0.442 16.21 0.23 10.73 37.87 57.24 -19.37 0.442 16.21 0.23 10.74 27.18 47.02 -19.84 0.489 18.42 0.24 10.76 39.19 56.00 -16.81 0.651 12.97 0.31 10.77 24.05 46.00 -21.95 0.894 12.59 0.28

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Charging+Recording mode test data (adapter 2)

Line:



Site : CCIS Shielding Room Condition : FCC PART15 B QP LISN LINE : mobile phone : SMART PLUS LTE EUT Model

Test Mode : Charging&Recording Mode Power Rating : AC120/60Hz

Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT Remark

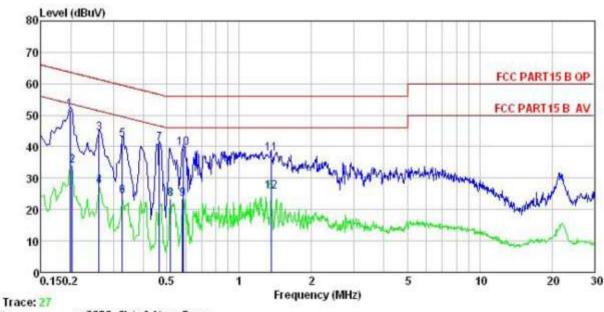
Kemark	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	₫B	dBu₹	dBu₹	<u>dB</u>	
1	0.190	29.05	-0.53	10.76	39.28	54.02	-14.74	Average
2	0.198	47.35	-0.52	10.76	57.59	63.71	-6.12	QP
3	0.262	41.47	-0.51	10.75	51.71	61.38	-9.67	QP
1 2 3 4 5 6 7 8 9	0.270	21.46	-0.51	10.75	31.70	51.12	-19.42	Average
5	0.327	38.88	-0.51	10.73	49.10	59.53	-10.43	QP
6	0.334	18.65	-0.51	10.73	28.87	49.35	-20.48	Average
7	0.398	37.62	-0.50	10.72	47.84	57.90	-10.06	QP
8	0.398	17.62	-0.50	10.72	27.84	47.90	-20.06	Average
9	0.461	34.61	-0.49	10.75	44.87	56.67	-11.80	QP
	0.595	34.39	-0.48	10.77	44.68	56.00	-11.32	QP
11	0.608	17.29	-0.48	10.77	27.58	46.00	-18.42	Average
12	0.876	14.87	-0.49	10.83	25.21	46.00	-20.79	Average

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Neutral:



Site

: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

: mobile phone : SMART PLUS LTE EUT Model

Test Mode : Charging&Recording Mode Power Rating : AC120/60Hz Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT

Remark	:	n 1	TTON	0.11			Α	
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
-	MHz	₫₿u₹	<u>dB</u>	₫₿	₫₿u₹	dBu∜	<u>dB</u>	
1	0.198	41.16	-0.34	10.76	51.58	63.71	-12.13	QP
2	0.202	23.46	-0.34	10.76	33.88	53.54	-19.66	Average
3	0.262	33.84	-0.33	10.75	44.26	61.38	-17.12	QP
4	0.262	17.13	-0.33	10.75	27.55	51.38	-23.83	Average
1 2 3 4 5 6 7 8 9	0.327	31.87	-0.32	10.73	42.28	59.53	-17.25	QP
6	0.327	13.72	-0.32	10.73	24.13	49.53	-25.40	Average
7	0.466	30.61	-0.31	10.75	41.05	56.58	-15.53	QP
8	0.518	12.84	-0.30	10.76	23.30	46.00	-22.70	Average
9	0.582	12.80	-0.30	10.77	23.27	46.00	-22.73	Average
10	0.585	29.19	-0.30	10.77	39.66	56.00	-16.34	QP
11	1.359	27.21	-0.28	10.91	37.84	56.00	-18.16	QP
12	1.359	15.08	-0.28	10.91	25.71	46.00	-20.29	Average

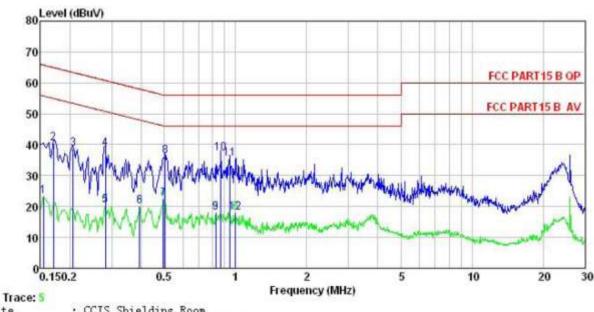
Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Charging+Playing mode test data (adapter ①)

Line:



: CCIS Shielding Room : FCC PART15 B QP LISN LINE Site Condition EUT

: mobile phone : SMART PLUS LTE Model Test Mode : Charging&Playing Mode
Power Rating : AC120/60Hz
Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT Re

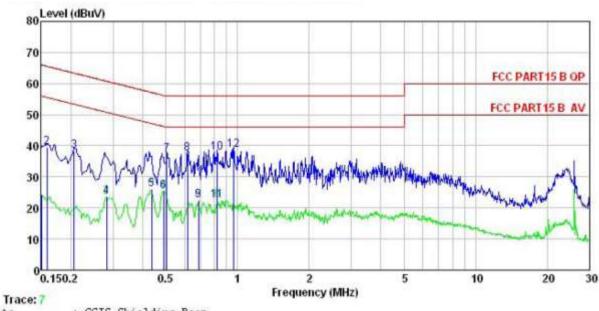
emark								
	Freq	Read Level	LISN Factor	Cable Loss		Limit Line	Over Limit	Remark
	MHz	dBu∛	₫₿	−−−dB	dBu∛	dBuV	<u>dB</u>	
1	0.154	12.34	0.14	10.78	23.26	55.78	-32.52	Average
2	0.170	29.40	0.14	10.77	40.31	64.94	-24.63	QP
3	0.206	27.74	0.15	10.76	38.65	63.36	-24.71	QP
4	0.282	27.72	0.16	10.74	38.62	60.76	-22.14	QP
5	0.282	9.43	0.16	10.74	20.33	50.76	-30.43	Average
6	0.393	9.22	0.24	10.72	20.18	47.99	-27.81	Average
7	0.497	11.39	0.24	10.76	22.39	46.05	-23.66	Average
2 3 4 5 6 7 8 9 10	0.505	25.30	0.24	10.76	36.30	56.00	-19.70	QP
9	0.826	6.91	0.29	10.82	18.02	46.00	-27.98	Average
10	0.866	26.10	0.28	10.83	37.21		-18.79	
11	0.943	24.40		10.85			-20.48	
12	1,000	6.93	0.26	10.87	18.06			Average

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Neutral:



Site

: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

mobile phone SMART PLUS LTE EUT Model Test Mode Charging&Playing Mode

Power Rating : AC120/60Hz Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT

Remark	: Freq	Read	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	—dBu⊽	dB		₫₿u₹	dBu∀	ab	
1	0.150	13.37	0.12	10.78	24.27	56.00	-31.73	Average
1 2 3 4 5 6 7 8 9	0.158	28.58	0.13	10.78	39.49		-26.07	
3	0.206	27.46	0.15	10.76	38.37		-24.99	
4	0.282	12.77	0.18	10.74	23.69	50.76	-27.07	Average
5	0.435	14.89	0.23	10.73	25.85	47.15	-21.30	Average
6	0.489	14.53	0.24	10.76	25.53	46.19	-20.66	Average
7	0.505	26.19	0.24	10.76	37.19	56.00	-18.81	QP
8	0.617	26.56	0.30	10.77	37.63	56.00	-18.37	QP
9	0.686	11.23	0.32	10.77	22.32	46.00	-23.68	Average
10	0.822	26.69	0.30	10.82	37.81	56.00	-18.19	QP
11	0.822	11.42	0.30	10.82	22.54	46.00	-23.46	Average
12	0.963	27.43	0.27	10.86	38.56		-17.44	

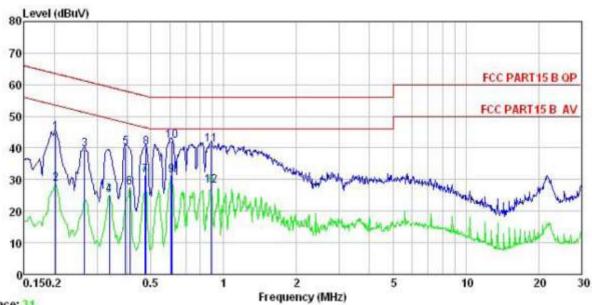
Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level = Receiver Read level + LISN Factor + Cable Loss.



Charging+Playing mode test data (adapter 2)

Line:



Trace: 31

: CCIS Shielding Room : FCC PART15 B QP LISN LINE Site Condition

: mobile phone : SMART PLUS LTE EUT Model

Test Mode : Charging&Playing Mode Power Rating : AC120/60Hz Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT Remark

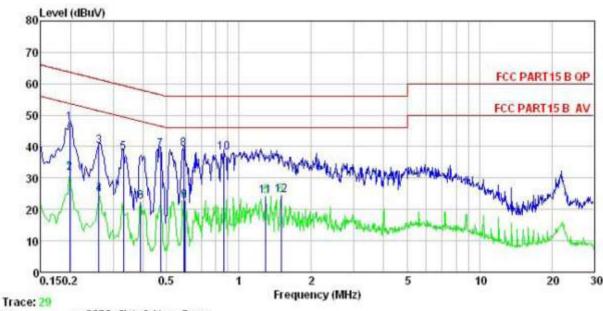
Venturk							Valle 2 - 12 - 12	
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Limit	Remark
	MHz	dBu₹	₫₿	₫₿	dBu₹	dBu₹	₫Ē	
1	0.202	34.54	-0.52	10.76	44.78	63.54	-18.76	QP
1 2 3 4 5 6 7 8 9	0.202	18.51	-0.52	10.76	28.75	53.54	-24.79	Average
3	0.266	29.31	-0.51	10.75	39.55	61.25	-21.70	QP
4	0.337	14.78	-0.51	10.73	25.00	49.27	-24.27	Average
5	0.393	29.84	-0.50	10.72	40.06	57.99	-17.93	QP
6	0.410	17.36	-0.50	10.72	27.58	47.64	-20.06	Average
7	0.474	20.91	-0.49	10.75	31.17	46.45	-15.28	Average
8	0.479	29.94	-0.49	10.75	40.20	56.36	-16.16	QP
9	0.608	20.97	-0.48	10.77	31.26	46.00	-14.74	Average
10	0.614	31.89	-0.48	10.77	42.18	56.00	-13.82	QP
11	0.890	30.79	-0.49	10.84	41.14	56.00	-14.86	QP
12	0.890	17.56	-0.49	10.84	27.91	46.00	-18.09	Average

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level = Receiver Read level + LISN Factor + Cable Loss.



Neutral:



Site

: CCIS Shielding Room : FCC PART15 B QP LISN NEUTRAL Condition

: mobile phone : SMART PLUS LTE EUT Model

Test Mode : Charging&Playing Mode Power Rating : AC120/60Hz Environment : Temp: 23 °C Huni:56% Atmos:101KPa

Test Engineer: YT

temark		Vigit 102	0.0000000000000000000000000000000000000	CENTRE!		150	10	
	Freq	Read Level	LISN Factor	Cable Loss		Limit Line	Over Limit	Remark
-	MHz	dBu∜	<u>d</u> B	₫₿	dBu⊽	₫₿u₹	₫₿	
1	0.198	37.02	-0.34	10.76	47.44	63.71	-16.27	QP
1 2 3 4 5 6 7 8 9	0.198	21.21	-0.34	10.76	31.63	53.71	-22.08	Average
3	0.262	29.81	-0.33	10.75	40.23		-21.15	
4	0.262	14.41	-0.33	10.75	24.83	51.38	-26.55	Average
5	0.330	27.59	-0.32	10.73	38.00	59.44	-21.44	QP
6	0.389	12.16	-0.32	10.72	22.56	48.08	-25.52	Average
7	0.471	28.50	-0.31	10.75	38.94	56.49	-17.55	QP
8	0.589	28.67	-0.30	10.77	39.14	56.00	-16.86	QP
9	0.595	12.39	-0.30	10.77	22.86	46.00	-23.14	Average
10	0.862	27.51	-0.29	10.83	38.05	56.00	-17.95	QP
11	1.296	13.69	-0.28	10.90	24.31	46.00	-21.69	Average
12	1.495	14.00	-0.27	10.92	24.65	46,00	-21.35	Average

Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



6.2 Radiated Emission

Test Requirement:	FCC Part 15 B	FCC Part 15 B Section 15.109									
Test Method:	ANSI C63.4:201	14									
Test Frequency Range:	30MHz to 26000	OMHz									
Test site:	Measurement D	istance: 3	3m (Se	mi-Anechoi	c Chan	nber)					
Receiver setup:	Frequency	Detec	ctor	RBW	VB\	Ν	Remark				
·	30MHz-1GHz	Quasi-		120kHz	300k		Quasi-peak Value				
	Above 1GHz	Pea		1MHz	3MF		Peak Value				
I time the		RM		1MHz	3MF	HZ I	Average Value Remark				
Limit:		Frequency Limit (dBuV/m @3m) Remark 30MHz-88MHz 40.0 Quasi-peak Value									
		88MHz-216MHz 43.5 Quasi-peak Value									
		216MHz-960MHz 46.0 Quasi-peak Value									
	960MHz-1G			54.0			Quasi-peak Value				
				54.0							
	Above 1GI	∃Z		74.0			Peak Value				
Test setup:	Ground Plane — Above 1GHz	Antenna Tower Antenna Tower Search Antenna RF Test Receiver Ground Plane Above 1GHz Antenna Tower Antenna Tower Antenna Tower Antenna Tower Antenna Tower Antenna Tower									
			Test Recei	ver H o o	Argister	Contro	ottor				





Test Procedure:	ground	•	semi-anecho	ic camber. Th	ne table wa	ters above the s rotated 360	
		T was set 3 r a, which was	•			•	
	ground		the maximun	n value of the	field stren		
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.						
		t-receiver sys dth with Maxi			ct Function	and Specified	
	limit spe EUT wo margin	ecified, then t	esting could l ed. Otherwis ested one by	be stopped and the stopped and the emission one using pe	nd the peal ons that did eak, quasi- _l		
Test environment:	Temp.:	25 °C	Humid.:	55%	Press.:	1 01kPa	
Test Instruments:	Refer to section 5.7 for details						
Test mode:	Refer to se	ection 5.3 for	details		-		
Test results:	Passed						
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded						



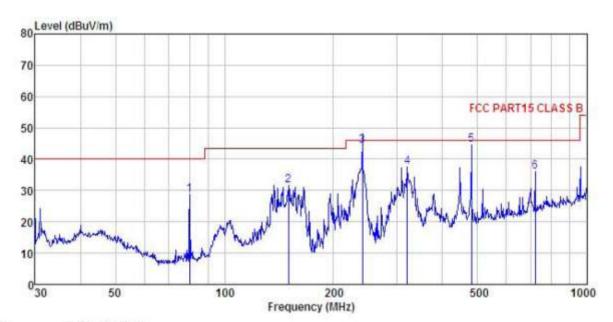


Measurement Data:

PC mode test data:

Below 1GHz

Horizontal:



Site

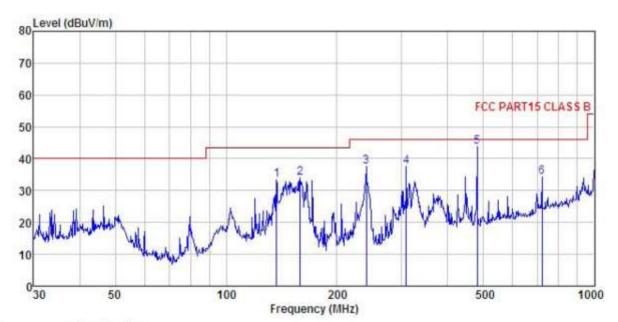
: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL : mobile phone : SMART PLUS LTE Condition

EUT . SMAKI PLUS LTE
Test mode : PC mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa
Test Engineer: YT
REMARK :

Freq						Limit Line	Over Limit	Remark
MHz	dBu∜	dB/m	₫₿	₫B	dBuV/m	dBuV/m	<u>dB</u>	
80.081	50.20	6.50	1.65	29.64	28.71	40.00	-11.29	QP
150.011	47.74	10.64	2.52	29.22	31.68	43,50	-11.82	QP
239.987	58.37	11.80	2.82	28.59	44.40	46.00	-1.60	QP
319.937	49.65	13.29	3.00	28.50	37.44	46.00	-8.56	QP
480.528	53.38	16.57	3.46	28.92	44.49	46.00	-1.51	QP
721.726	40.50	19.76	4.26	28.58	35.94	46.00	-10.06	QP
	MHz 80.081 150.011 239.987 319.937 480.528	MHz dBuV 80.081 50.20 150.011 47.74 239.987 58.37 319.937 49.65 480.528 53.38	MHz dBuV dB/m 80.081 50.20 6.50 150.011 47.74 10.64 239.987 58.37 11.80 319.937 49.65 13.29 480.528 53.38 16.57	### Revel Factor Loss MHz dBuV dB/m dB	Freq Level Factor Loss Factor MHz dBuV dB/m dB dB 80.081 50.20 6.50 1.65 29.64 150.011 47.74 10.64 2.52 29.22 239.987 58.37 11.80 2.82 28.59 319.937 49.65 13.29 3.00 28.50 480.528 53.38 16.57 3.46 28.92	MHz dBuV dB/m dB dB dBuV/m 80.081 50.20 6.50 1.65 29.64 28.71 150.011 47.74 10.64 2.52 29.22 31.68 239.987 58.37 11.80 2.82 28.59 44.40 319.937 49.65 13.29 3.00 28.50 37.44 480.528 53.38 16.57 3.46 28.92 44.49	MHz dBuV dB/m dB dB dB dBuV/m dBuV/m dBuV/m 80.081 50.20 6.50 1.65 29.64 28.71 40.00 150.011 47.74 10.64 2.52 29.22 31.68 43.50 239.987 58.37 11.80 2.82 28.59 44.40 46.00 319.937 49.65 13.29 3.00 28.50 37.44 46.00 480.528 53.38 16.57 3.46 28.92 44.49 46.00	Freq Level Factor Loss Factor Level Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dB 80.081 50.20 6.50 1.65 29.64 28.71 40.00 -11.29 150.011 47.74 10.64 2.52 29.22 31.68 43.50 -11.82 239.987 58.37 11.80 2.82 28.59 44.40 46.00 -1.60 319.937 49.65 13.29 3.00 28.50 37.44 46.00 -8.56 480.528 53.38 16.57 3.46 28.92 44.49 46.00 -1.51



Vertical:



Site : 3m chamber

Condition : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL

EUT : mobile phone
Model : SMART PLUS LTE
Test mode : PC mode
Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55% 101KPa

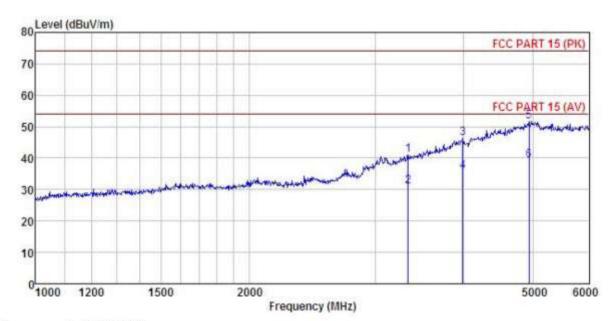
Test Engineer: YT REMARK :

ReadAntenna Cable Preamp Limit Over Freq Level Factor Loss Factor Level Line Limit Remark MHz dB dBuV/m dBuV/m dBuV dB/m 碅 ďB 136.939 48.48 11.88 2.36 29.29 33.43 43.50 -10.07 QP 2 2.57 158.668 -9.46 QP 29.14 43.50 50.65 9.96 34.04 28.59 -8.54 QP 37.46 46.00 239.987 51.43 11.80 2.97 308.913 50.02 12.95 28.47 37.47 46.00 -8.53 QP 16.57 19.76 3.46 4.26 43.63 46.00 -2.37 QP 34.24 46.00 -11.76 QP 480.528 721.726 52.52 5 28.92 28.58 38.80



Above 1GHz

Horizontal:



Site : 3m chamber
Condition : FCC PART 15 (PK) 3m BBHA9120(1G18) HORIZONTAL
EUT : mobile phone
Model : SMART PLUS LTE
Test mode : PC mode
Power Rating : AC 120V/60Hz

Environment : Temp: 25.5°C Huni: 55% 101KPa Test Engineer: YT

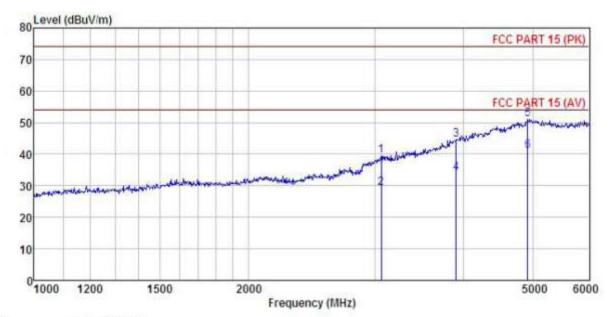
REMARK

Freq	THE RESERVE OF THE PARTY OF THE					Limit Line	Over Limit	
MHz	dBu∀	dB/m	dB	<u>dB</u>	dBuV/m	dBuV/m	<u>dB</u>	
3341.649	49.56	27.14	5.56	41.37	40.89	74.00	-33.11	Peak
3341.649	39.77	27.14	5.56	41.37	31.10	54.00	-22.90	Average
3989.006	49.97	32.20	6.11	41.81	46.47	74.00	-27.53	Peak
3989.006	39.33	32.20	6.11	41.81	35.83	54.00	-18.17	Average
4941.121	49.94	36.64	6.90	41.86	51.62	74.00	-22.38	Peak
4941.121	37.67	36.64	6.90	41.86	39.35	54.00	-14.65	Average
	Freq MHz 3341.649 3341.649 3989.006 3989.006 4941.121	Read Level MHz dBuV 3341.649 49.56 3341.649 39.77 3989.006 49.97 3989.006 39.33 4941.121 49.94	ReadAntenna Level Factor MHz dBuV dB/m 3341.649 49.56 27.14 3341.649 39.77 27.14 3989.006 49.97 32.20 3989.006 39.33 32.20 4941.121 49.94 36.64	ReadAntenna Cable Level Factor Loss MHz dBuV dB/m dB 3341.649 49.56 27.14 5.56 3341.649 39.77 27.14 5.56 3989.006 49.97 32.20 6.11 3989.006 39.33 32.20 6.11 4941.121 49.94 36.64 6.90	ReadAntenna Cable Preamp Freq Level Factor Loss Factor MHz dBuV dB/m dB dB 3341.649 49.56 27.14 5.56 41.37 3341.649 39.77 27.14 5.56 41.37 3989.006 49.97 32.20 6.11 41.81 3989.006 39.33 32.20 6.11 41.81 4941.121 49.94 36.64 6.90 41.86	ReadAntenna Cable Preamp Level Factor Loss Factor Level MHz dBuV dB/m dB dB dBuV/m 3341.649 49.56 27.14 5.56 41.37 40.89 3341.649 39.77 27.14 5.56 41.37 31.10 3989.006 49.97 32.20 6.11 41.81 46.47 3989.006 39.33 32.20 6.11 41.81 35.83 4941.121 49.94 36.64 6.90 41.86 51.62	ReadAntenna Cable Preamp Limit Freq Level Factor Loss Factor Level Line MHz dBuV dB/m dB dB dBuV/m dBuV/m 3341.649 49.56 27.14 5.56 41.37 40.89 74.00 3341.649 39.77 27.14 5.56 41.37 31.10 54.00 3989.006 49.97 32.20 6.11 41.81 46.47 74.00 3989.006 39.33 32.20 6.11 41.81 35.83 54.00 4941.121 49.94 36.64 6.90 41.86 51.62 74.00	ReadAntenna Cable Preamp Limit Over Line Limit MHz dBuV dB/m dB dB dBuV/m dBuV/m dB 3341.649 49.56 27.14 5.56 41.37 40.89 74.00 -33.11 3341.649 39.77 27.14 5.56 41.37 31.10 54.00 -22.90 3989.006 49.97 32.20 6.11 41.81 46.47 74.00 -27.53 3989.006 39.33 32.20 6.11 41.81 35.83 54.00 -18.17 4941.121 49.94 36.64 6.90 41.86 51.62 74.00 -22.38





Vertical:



Site

: 3m chamber : FCC PART 15 (PK) 3m BBHA9120(1G18) VERTICAL Condition

: mobile phone : SMART PLUS LTE EUT Model Test mode : PC mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa
Test Engineer: YT

EMARI	:)								
	Freq		Antenna Factor		Preamp Factor		Limit Line		Remark
	MHz	dBuV	dB/m	₫B	dB	dBuV/m	dBu∜/m	−−−−dB	=======================================
1 2	3067.443 3067.443	49.59 39.35	25.93 25.93	5.38 5.38	41.47 41.47	39.43 29.19		-34.57 -24.81	Peak Average
3	3904.529 3904.529	48.80 38.34	31.44	6.10	41.80		5-67 TOTAL	-29.46 -19.92	Peak Average
23456	4921.928 4921.928	49.59 39.38	36.51 36.51	6.88			74.00	-22.87	



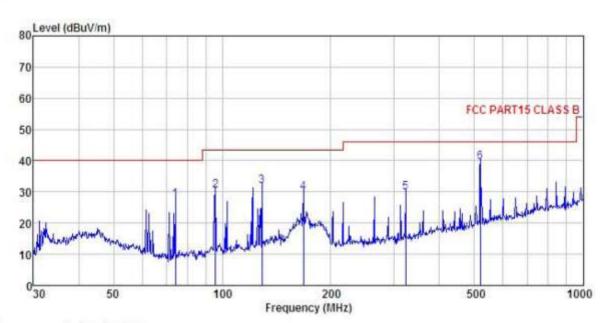


Charging+Recording mode test data:

Adapter ①

Below 1GHz

Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL Condition

: mobile phone : SMART PLUS LTE EUT Model

Test mode : Charging&Recording mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa

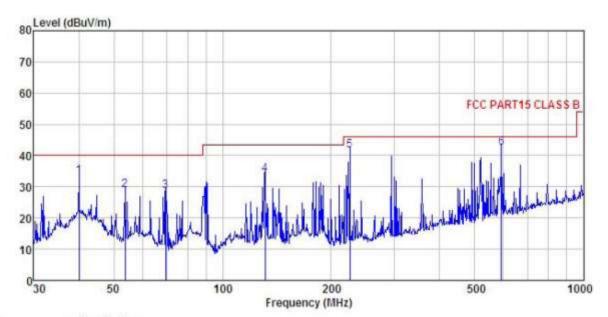
Test Engineer: YT REMARK :

			ReadAntenna				Limit		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-	MHz	dBu∀	$\overline{} \overline{dB} / \overline{n}$		dB	dBuV/n	dBuV/m	dB	
1	74.135	49.05	6.40	1.61	29.69	27.37	40.00	-12.63	QP
2	95.762	49.13	8.82	2.01	29.55	30.41	43.50	-13.09	QP
3	129.015	46.82	12.27	2.27	29.33	32.03	43.50	-11.47	QP
4	167.824	46.57	9.82	2.64	29.07	29.96	43.50	-13.54	QP
2 3 4 5	322.189	42.08	13.34	3.01	28.50	29.93	46.00	-16.07	QP
6	519.065	47.54	17.30	3.72	29.01	39.55	46.00	-6.45	QP





Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL : mobile phone : SMART PLUS LTE Condition

EUT : SMART PLUS LTE
Test mode : Charging&Recording mode
Power Rating : AC 120V/60Hz
Environment : Temp: 25.5°C Huni: 55% 101KPa
Test Engineer: YT
REMARK :

AJIMIMAI/A									
	Freq		Antenna Factor				Limit Line	Over Limit	Remark
-	MHz	dBu₹	dB/m	₫₿	dB	dBuV/m	dBuV/m	dB	
1 2 3	39.994 53.693 69.600	45.14 44.15 50.02	13.24			28.90	40.00		QP
2 3 4 5	131.297 225.308	48.92	12.19 11.56	2.30 2.84		34.09 41.48	43.50 46.00	-9.41 -4.52	QP QP

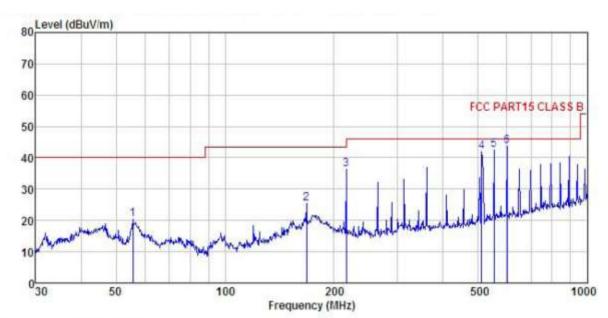




Adapter 2

Below 1GHz

Horizontal:



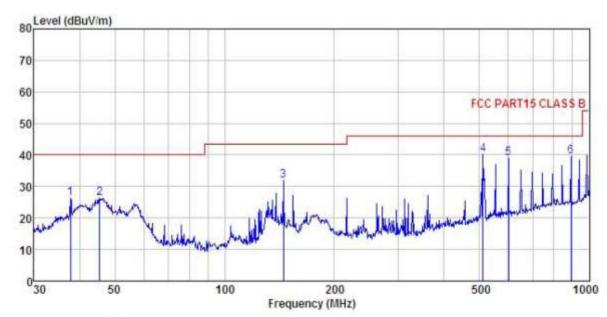
Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL : mobile phone : SMART PLUS LIE Condition

Power Environment Test I	node : Rating : onment : Engineer:	Chargin AC 1207 Temp: 25	PLUS LTE ngåRecor	rding m		°a			
REMARI	: "	Read	Ant enna	Cable	Preamn		Limit	Over	
	Freq				Factor				Remark
-	MHz	dBuV	dB/m	dB	dB	dBuV/n	dBuV/m	dB	
1	55.609	36.47	12.38	1.36	29.80	20.41	40.00	-19.59	QP
2	167.824	42.02	9.82	2.64	29.07	25.41	43.50	-18.09	QP
3	216.024	50.97	11.18	2.85	28.73	36.27	46.00	-9.73	QP
4	511.835	50.07	17.11	3.68	28.99	41.87	46.00	-4.13	QP
5	552.883	49.63	18.12	3.89		42.55	46.00	-3.45	QP
1 2 3 4 5	601.427	50.13	18.50	3.94	28.93	43.64	46.00	-2.36	QP



Vertical:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL Condition

: mobile phone : SMART PLUS LTE EUT Test mode : Charging&Recording mode
Power Rating : AC 120V/60Hz
Environment : Temp: 25.5°C Humi: 55% 101KPa
Test Engineer: YT
REMARK :

ACMOUNT.									
	Freq		Antenna Factor				Limit Line	Over Limit	Remark
7	MHz	dBuV	—dB/m	d₿	₫₿	dBuV/m	dBuV/m	<u>d</u> B	
1	37.812	38.95	16.03	1.14	29.92	26.20	40.00	-13.80	QP
2 3 4 5 6	45.375	37.54	17.32	1.29	29.86	26.29	40.00	-13.71	QP
3	144.842	47.39	11.20	2.45	29.25	31.79	43.50	-11.71	QP
4	511.835	48.49	17.11	3.68	28.99	40.29	46.00	-5.71	QP
5	601.427	45.35	18.50	3.94	28.93	38.86	46.00	-7.14	QP
6	890.728	42.24	21.46	3.80	27.90	39.60	46.00	-6.40	QP



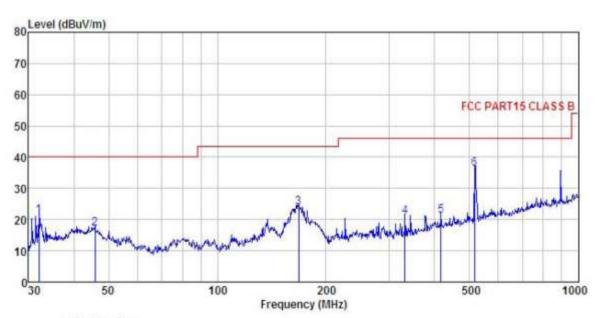


Charging+Playing mode test data:

Adapter ①

Below 1GHz

Horizontal:



Site

Condition

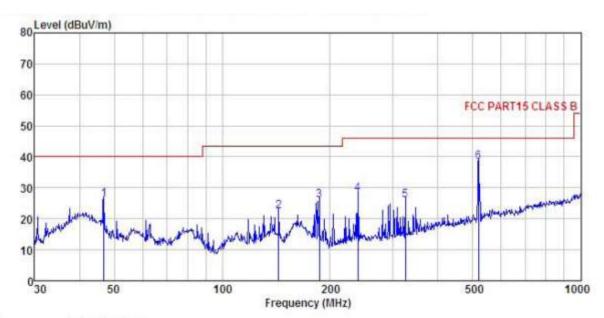
: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL : mobile phone : SMART PLUS LTE : SMAKT PLUS LTE
Test mode : Charging&Playing mode
Power Rating : AC 120V/60Hz
Environment : Temp: 25.5°C Huni: 55% 101KPa
Test Engineer: YT
REMARK : EUT

	100	Read	Antenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
-	MHz	dBu∀	dB/n	₫B	₫₿	dBuV/n	dBuV/n	dB	
1	32.067	37.02	13.40	0.85	29.97	21.30	40.00	-18.70	QP
2	45.855	28.44	17.24	1.29	29.85	17.12	40.00	-22.88	QP
3	167.824	40.53	9.82	2.64	29.07	23.92	43.50	-19.58	QP
4	331.355	32.76	13.63	3.04	28.52	20.91	46.00	-25.09	QP
2 3 4 5	416.179	30.84	16.00	3.12	28.81	21.15	46.00	-24.85	QP
6	515.437	44.33	17.23	3.70	29.00	36.26	46.00	-9.74	QP





Vertical:



Site : 3m chamber

Condition : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL

: mobile phone : SMART PLUS LTE EUT Model Test mode : Charging&Playing mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa

Test Engineer: YT REMARK :

CEMAR	UN :								
	Freq		Antenna Factor				Limit Line		
	MHz	dBu∛	dB/m	₫B	₫₿	dBuV/m	dBuV/m	₫B	
1	46.830	37.99	16.71	1.28	29.85	26.13	40.00	-13.87	QP
2	143.830	37.84	11.34	2.44	29.25	22.37	43.50	-21.13	QP
3	186.441	42.74	9.53	2.77	28.93	26.11	43.50	-17.39	QP
4	239.147	42.05	11.78	2.82	28.60	28.05	46.00	-17.95	QP
5	324.456	38.05	13.42	3.02	28.51	25.98	46.00	-20.02	QP
6	519.065	46,40	17.30	3.72	29.01	38.41	46.00	-7.59	QP

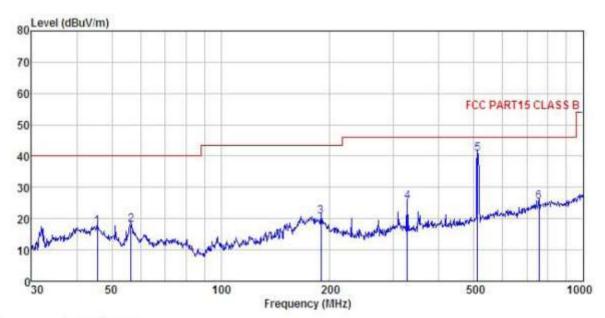




Adapter 2

Below 1GHz

Horizontal:



Site

: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) HORIZONTAL Condition

EUT : mobile phone

Model : SMART PLUS LTE

Test mode : Charging&Playing mode

Power Rating : AC 120V/60Hz

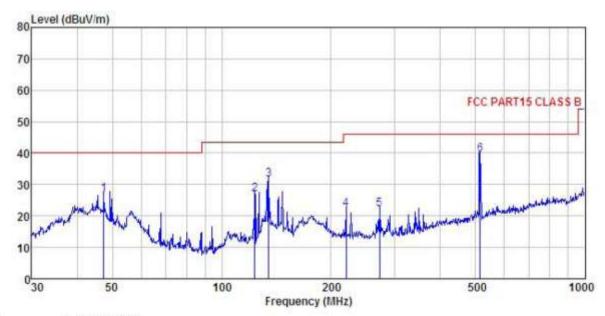
Environment : Temp: 25.5°C Huni: 55% 101KPa

Test Engineer: YT REMARK :

CMVI/V									
	Freq		ReadAntenna Level Factor				Limit Line	Over Limit	Remark
- 2	MHz	₫₿u∇	dB/m			dBuV/n	dBu√/m	dB	
1	45.535	28.77	17.28	1.29	29.86	17.48	40.00	-22.52	QP
1 2 3	56.395	34.54	11.97	1.36	29.79	18.08	40.00	-21.92	QP
3	189.074	37.00	9.66	2.79	28.91	20.54	43.50	-22.96	QP
4	326.740	37.24	13.51	3.02	28.51	25.26	46.00	-20.74	QP
5	511.835	49.08	17.11	3.68	28.99	40.88	46.00	-5.12	QP
6	755, 387	29, 17	20, 43	4.36	28, 45	25, 51	46,00	-20.49	QP



Vertical:



: 3m chamber : FCC PART15 CLASS B 3m VULB9163(30M3G) VERTICAL Site Condition

: mobile phone : SMART PLUS LTE EUT : SMART PLUS LTE
Test mode : Charging&Playing mode
Power Rating : AC 120V/60Hz
Environment : Temp:25.5°C Huni:55% 101KPa
Test Engineer: YT
REMARK :

CEMAKK	:	1257		2.2	2		2.000373	1.0	
	Freq		Antenna Factor				Limit Line	Over Limit	Remark
-	MHz	dBu∀	dB/a	dB	<u>dB</u>	dBuV/n	dBuV/m	dB	
1	47.326	38.94	16.47	1.27	29.84	26.84	40.00	-13.16	QP
1 2 3 4 5	123.266	42.12	11.98	2.20	29.37	26.93	43.50	-16.57	QP
3	134.559	46.39	12.02	2.34	29.30	31.45	43.50	-12.05	QP
4	219.845	36.45	11.42	2.85	28.71	22.01	46.00	-23.99	QP
5	272.278	35.51	12.12	2.87	28.50	22.00	46.00	-24.00	QP
6	513.633	47.54	17.17	3.69	28.99	39.41	46.00	-6.59	QP