



CERTIFICATION TEST REPORT

Report Number. : 4789247752-E11V1

Applicant : SAMSUNG ELECTRONICS CO., LTD.
129 SAMSUNG-RO, YEONGTONG-GU, SUWON-SI,
GYEONGGI-DO, 16677, KOREA

Model : SM-G980F/DS, SM-G980F

FCC ID : A3LSMG980F

EUT Description : GSM/WCDMA/LTE Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax,
ANT+, NFC and WPT

Test Standard(s) : FCC 47 CFR PART 15 SUBPART C

Date Of Issue:
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ACCREDITED

Testing Laboratory

TL-637

Revision History

<u>Rev.</u>	<u>Issue Date</u>	<u>Revisions</u>	<u>Revised By</u>
V1	01/07/20	Initial issue	Sangyun Kim

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1. ATTESTATION OF TEST RESULTS

COMPANY NAME: SAMSUNG ELECTRONICS CO., LTD.

EUT DESCRIPTION: GSM/WCDMA/LTE Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, ANT+, NFC and WPT

MODEL NUMBER: SM-G980F/DS, SM-G980F

SERIAL NUMBER: R3CMA0BVGBW (RADIATED);
R38MBOAHJRL (Spot Check)

DATE TESTED: DEC 02, 2019 – DEC 03, 2019 (Original)
DEC 02, 2019 – DEC 03, 2019 (Spot check);

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 Part 15 Subpart C	Pass

UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by UL Verification Services Inc. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Note: The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, any agency of the Federal Government, or any agency of any government.

Approved & Released For
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1.1. INTRODUCTION OF TEST DATA REUSE

This report referenced from the FCC ID: A3LSMG981B DCD WPT(FCC CFR 47 Part 15C). And the applicant takes full responsibility that the test data as referenced in this report represent compliance for this FCC ID.

1.2. DIFFERENCE

The FCC ID: A3LSMG980F shares the same enclosure and circuit board as FCC ID: A3LSMG981B. The WPT antennas and surrounding circuitry and layout are identical between these two units.

After confirming through preliminary radiated emissions that the performance of the FCC ID: A3LSMG981B remains representative of FCC ID: A3LSMG980F. The test data of FCC ID: A3LSMG981B being submitted for this application to cover WPT features.

1.3. SPOT CHECK VERIFICATION DATA

Test Item	Mode	Frequency	Test Limit	Original model	Spot check model	Deviation	Remark
				SM-G981B/DS	SM-G980F/DS		
				FCC ID : A3LSMN981B	FCC ID : A3LSMN980F		
Fundamental	WPT_Phone_across	0.11	44.36 dBuV/m	-1.79 dBuV/m	-4.22 dBuV/m	-2.43 dB	
RSE	WPT_Phone_across	1.47	30.22 dBuV/m	2.10 dBuV/m	0.48 dBuV/m	-1.62 dB	

Comparison of two models, upper deviation is within 3dB range and all test results are under FCC Technical Limits.

1.4. REFERENCE DETAIL

Reference application that contains the reused reference data in the individual test reports:

Equipment Class	Reference FCC ID (Parent)	Application Type	Reference Test report number	Exhibit Type	Variant Test Report Number	Data Re-used
PCE	A3LSMG981B	Original Grant	4789230288-E2	Test Report	4789247752-E2	All
DTS	A3LSMG981B	Original Grant	4789230288-E3 (802.11b/g/n)	Test Report	4789247752-E3 (802.11b/g/n)	All
			4789230288-E4 (802.11ax)	Test Report	4789247752-E4 (802.11ax)	All
			4789230288-E5 Bluetooth LE	Test Report	4789247752-E5 Bluetooth LE	All
DSS	A3LSMG981B	Original Grant	4789230288-E6 (Bluetooth)	Test Report	4789247752-E6 (Bluetooth)	All
NII	A3LSMG981B	Original Grant	4789230288-E7 (802.11a/n/ac)	Test Report	4789247752-E7 (802.11a/n/ac)	All
			4789230288-E8 (802.11ax)	Test Report	4789247752-E8 (802.11ax)	All
DXX	A3LSMG981B	Original Grant	4789230288-E9 (ANT+)	Test Report	4789247752-E9 (ANT+)	All
			4789230288-E10 (NFC)	Test Report	4789247752-E10 (NFC)	All
DCD	A3LSMG981B	Original Grant	4789230288-E11 (WPT)	Test Report	4789247752-E11 (WPT)	All

For this application the data reuse is summarized below for each equipment class:

Equipment Class	Reference FCC ID (Parent)	Application Type	Test Item	Data Re-used
PCE	A3LSMG981B	Original Grant	WWAN	All except SAR (full test), HAC (full test)
DTS	A3LSMG981B	Original Grant	BLE	All
			WLAN	All except SAR (full test), HAC (full test)
			WLAN 802.11ax	All except HAC (full test)
DSS	A3LSMG981B	Original Grant	BT	All except SAR (full test)
NII	A3LSMG981B	Original Grant	WLAN	All except SAR (full test), HAC (full test)
			WLAN 802.11ax	All except HAC (full test)
DXX	A3LSMG981B	Original Grant	ANT+	All
			NFC	All
DCD	A3LSMG981B	Original Grant	WPT	All except RF exposure

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with following methods.

1. FCC CFR 47 Part 2.
2. FCC CFR 47 Part 15.
3. ANSI C63.10-2013.

3. FACILITIES AND ACCREDITATION

The test sites and measurement facilities used to collect data are located at 218 Maeyeong-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675, Korea. Line conducted emissions are measured only at the 218 address. The following table identifies which facilities were utilized for radiated emission measurements documented in this report. Specific facilities are also identified in the test results sections.

218 Maeyeong-ro	
<input type="checkbox"/>	Chamber 1
<input checked="" type="checkbox"/>	Chamber 2
<input type="checkbox"/>	Chamber 3

UL Korea, Ltd. is accredited by IAS, Laboratory Code TL-637. The full scope of accreditation can be viewed at <http://www.iasonline.org/wp-content/uploads/2017/05/TL-637.pdf>.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. SAMPLE CALCULATION

Where relevant, the following sample calculation is provided:

$$\begin{aligned} \text{Field Strength (dBuV/m)} &= \text{Measured Voltage (dBuV)} + \text{Antenna Factor (dB/m)} + \\ &\text{Cable Loss (dB)} - \text{Preamp Gain (dB)} \\ 36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} &= 28.9 \text{ dBuV/m} \end{aligned}$$

4.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	UNCERTAINTY
Conducted Disturbance, 0.15 to 30 MHz	2.35 dB
Radiated Disturbance, 9 kHz to 30 MHz	1.72 dB

Uncertainty figures are valid to a confidence level of 95%.

4.4. DECISION RULE

Decision rule for statement(s) of conformity is based on Procedure 1, Clause 4.4.2 in IEC Guide 115:2007.

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

The EUT is a GSM/WCDMA/LTE Phone + BT/BLE, DTS/UNII a/b/g/n/ac/ax, ANT+, NFC and WPT. This test report addresses the wireless low power transmitter(DCD) operational mode.

This report covers the Samsung models SM-G980F/DS and SM-G980F. These models are identical in hardware except SM-G980F has single SIM tray. With some pre-scan, model SM-G980F/DS was set for spot check test.

5.2. MAXIMUM OUTPUT POWER

- Power sharing mode

Fundamental Frequency (KHz)	Mode	E field (300m distance) FCC (dBuV/m)
110 - 148	Charging	-1.79

5.3. PRELIMINARY TEST CONFIGURATIONS

The Power Sharing mode of the EUT was investigated in three orthogonal orientations X, Y and Z it was determined that X orientation was worst-case orientation; therefore, all final radiated testing was performed with the EUT in X orientation.

5.4. WORST-CASE CONFIGURATION AND MODE

Mode 1	Test Case	Description
Power sharing mode	1	Charging from EUT to Phone
	2	Charging from EUT(Charging from TA) to Phone
	3	Charging from EUT to Phone (Cross position)
	4	Charging from EUT(Charging from TA) to Phone (Cross position)
	5	Charging from EUT to Wearable device
	6	Charging from EUT(Charging from TA) to Wearable device

For radiated test, test case 1/3/5, the EUT can operate the power sharing mode when battery level is over 30%. Because test results are not different between fully charged status and battery level 30% status(EUT condition), test were performed fully charged condition.

Also according to current client device's(Phone and Wearable device) battery level, test results are different.Because the test results were worst when the battery level was 1%~20%, tests were performed when the battery level was 1%~20%.(Client device)

During radiated test for test case 1/3/5, the EUT didn't connected AC adapter, but for AC line conducted test for all test case was performed with connected with AC adapter.

For power sharing mode, test results of case 4 is worst.
So this test report described test case 4.

5.5. MODIFICATIONS

No modifications were made during testing.

5.6. DESCRIPTION OF TEST SETUP

SUPPORT EQUIPMENT & PERIPHERALS

Support Equipment List				
Description	Manufacturer	Model	Serial Number	FCC ID/DoC
Charger	SAMSUNG	EP-TA800	R37M5WSB411SE3	N/A
Data Cable	SAMSUNG	EP-DG977	N/A	N/A
Mobile Phone	Samsung	SM-N975F	R38M504W9JN	A3LSMN975F
Wearable Device	Samsung	SM-R820N	RFAM90G1V0H	A3LSMR820N

I/O CABLES

I/O Cable List						
Cable No	Port	# of identical ports	Connector Type	Cable Type	Cable Length (m)	Remarks
1	DC Power	1	C Type	Shielded	1.0m	N/A

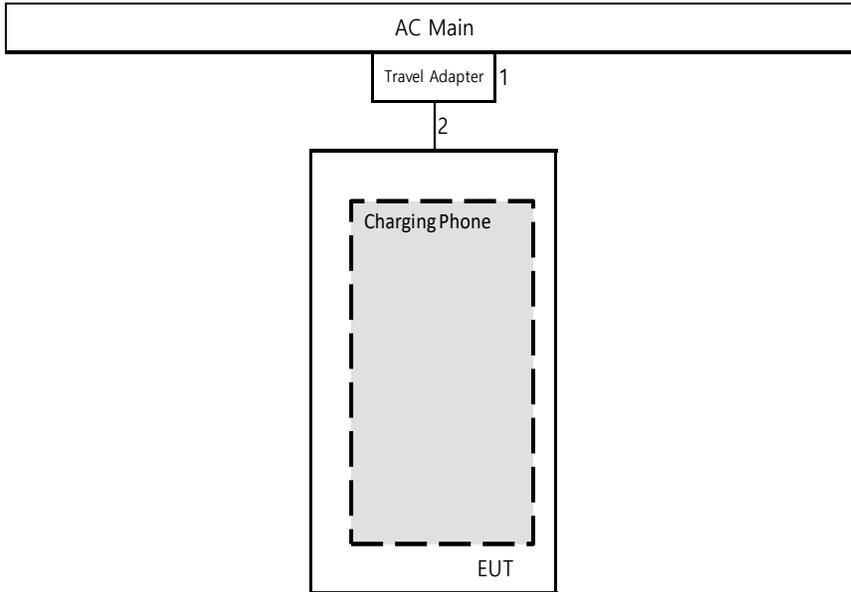
TEST SETUP

The EUT is installed in a typical configuration. Charging from EUT.

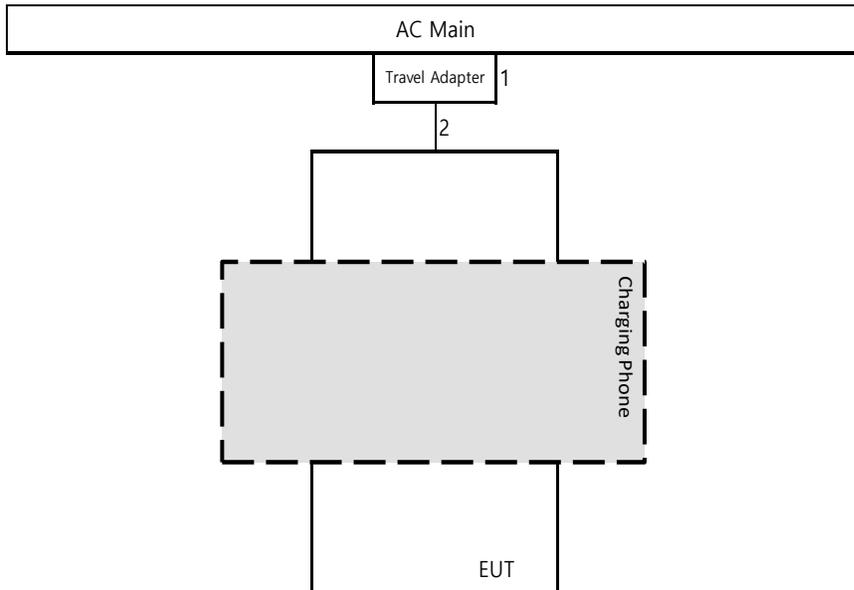
TEST SETUP DIAGRAM

NOTE : Test case 1/3/5, EUT did not connected with Travel adapter(AC Main) in below set-up diagram for radiated test.

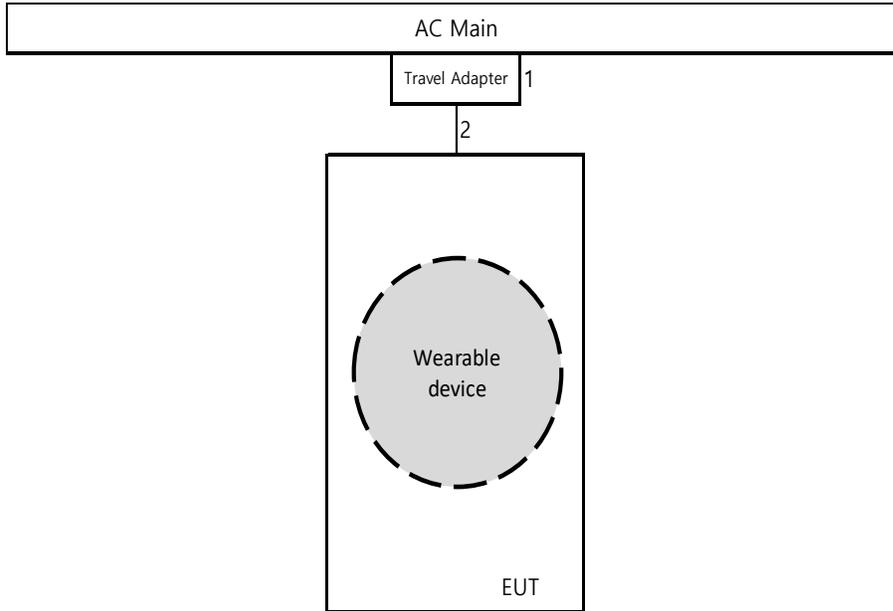
- Test Case1 and 2 : Charging Phone



- Test Case 3 and 4 : Charging Phone(Cross position)



- Test Case 5 and 6 : Charging Wearable device



6. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

Test Equipment List				
Description	Manufacturer	Model	S/N	New Cal Due
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	750	08-04-20
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	749	08-04-20
Antenna, Bilog, 30MHz-1GHz	SCHWARZBECK	VULB9163	845	08-04-20
Antenna, Horn, 18 GHz	ETS	3115	00167211	08-04-20
Antenna, Horn, 18 GHz	ETS	3115	00161451	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00168724	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00168717	08-04-20
Antenna, Horn, 18 GHz	ETS	3117	00205959	08-04-20
Antenna, Horn, 40 GHz	ETS	3116C	00166155	08-14-20
Antenna, Horn, 40 GHz	ETS	3116C	00168645	10-02-21
Preamplifier	ETS	3116C-PA	00168841	08-08-20
Preamplifier, 1000 MHz	Sonoma	310N	341282	08-05-20
Preamplifier, 1000 MHz	Sonoma	310N	351741	08-05-20
Preamplifier, 1000 MHz	Sonoma	310N	370599	08-05-20
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1876511	08-06-20
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	1896138	08-06-20
Preamplifier, 18 GHz	Miteq	AFS42-00101800-25-S-42	2029169	08-06-20
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54170614	08-06-20
Spectrum Analyzer, 44 GHz	Agilent / HP	N9030A	MY54490312	08-06-20
Spectrum Analyzer, 43.5 GHz	R&S	FSW43	104089	08-06-20
Average Power Sensor	Agilent / HP	U2000	MY54270007	08-09-20
Attenuator	PASTERNAK	PE7087-10	A001	08-08-20
Attenuator	PASTERNAK	PE7087-10	A008	08-08-20
Attenuator	PASTERNAK	PE7004-10	2	08-06-20
Attenuator	PASTERNAK	PE7087-10	A009	08-08-20
EMI Test Receive, 40 GHz	R&S	ESU40	100439	08-06-20
EMI Test Receive, 40 GHz	R&S	ESU40	100457	08-06-20
EMI Test Receive, 44 GHz	R&S	ESW44	101590	08-05-20
EMI Test Receive, 3 GHz	R&S	ESR3	101832	08-05-20
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	009	08-06-20
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	015	08-06-20
Low Pass Filter 5GHz	Micro-Tronics	LPS17541	020	08-06-20
High Pass Filter 3GHz	Micro-Tronics	HPM17543	010	08-06-20
High Pass Filter 3GHz	Micro-Tronics	HPM17543	015	08-06-20
High Pass Filter 3GHz	Micro-Tronics	HPM17543	020	08-06-20
High Pass Filter 6GHz	Micro-Tronics	HPS17542	009	08-06-20
High Pass Filter 6GHz	Micro-Tronics	HPS17542	016	08-06-20
High Pass Filter 6GHz	Micro-Tronics	HPS17542	021	08-06-20
LISN	R&S	ENV-216	101837	08-09-20
Antenna, Loop, 9kHz-30MHz	R&S	HFH2-Z2	100418	10-02-21
Antenna, Loop, 9kHz-30MHz				
Description	Manufacturer	Model	Version	
Radiated software	UL	UL EMC	Ver 9.5	
AC Line Conducted software	UL	UL EMC	Ver 9.5	

7. APPLICABLE LIMITS AND TEST RESULTS

7.1. RADIATED EMISSIONS

TEST PROCEDURE

ANSI C63.10: 2013

The highest clock frequency generated or used in the EUT is 600 kHz therefore the frequency range was investigated from 9 kHz to 30 MHz.

LIMIT

FCC §15.209 (a)
ICES-001 Section 6.2, IC RSS-216 6.2.2, and IC RSS-GEN Sections 8.9 and 8.10.

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (m)
0.009–0.490	2400/F(kHz)	300
0.490–1.705	24000/F(kHz)	30
1.705–30.0	30	30
30–88	100	3
88 to 216	150	3
216 to 960	200	3
Above 960 MHz	500	3

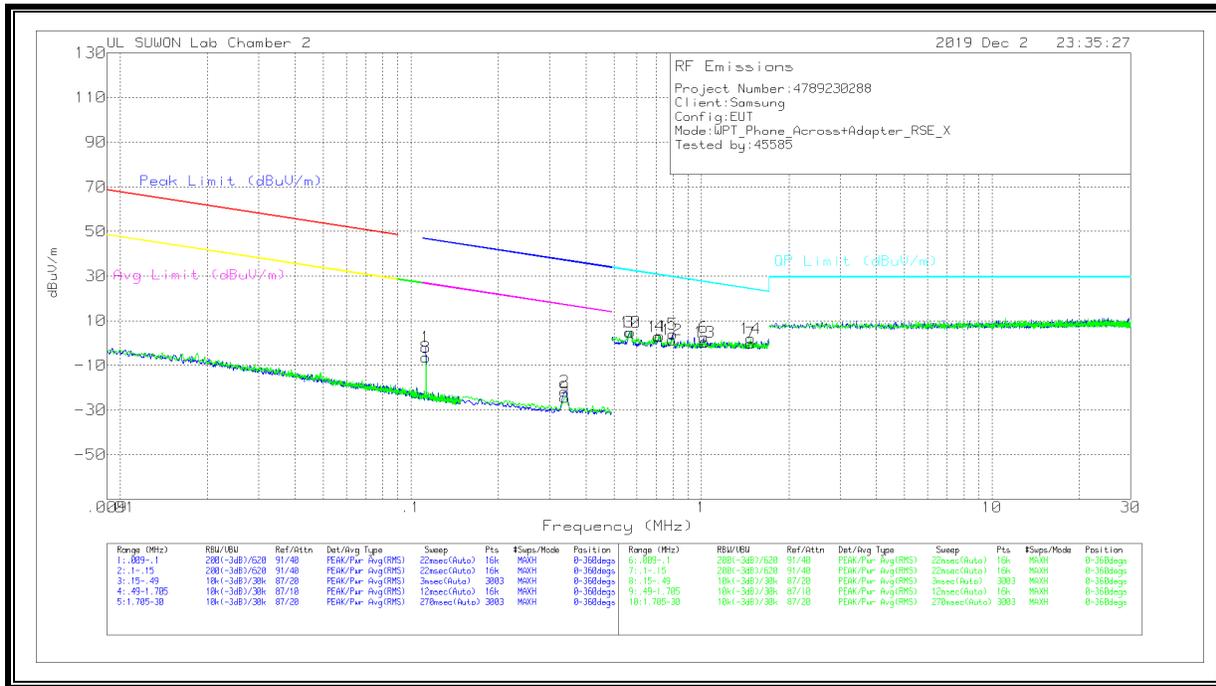
Note: The lower limit shall apply at the transition frequency.

RESULTS

The EUT belongs to Test Case 4.

Although these tests were performed other than open field test site, adequate comparison measurements were confirmed against 300 m open field test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788 D01.

RADIATED EMISSIONS 9 KHz to 30 MHz(Power sharing mode Test Case 4)



TEST DATA

Trace Markers

[Face-On]

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	HFH2-Z2_Loop Antenna	Cable Loss	Dist Corr 300m	Corrected Reading dBuV/m	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
**1	.11271	58.31	Pk	19.8	.1	-80	-1.79	46.59	-48.38	26.59	-28.38	0-360
2	.33815	38.48	Pk	19.7	.1	-80	-21.72	37.03	-58.75	17.03	-38.75	0-360

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	HFH2-Z2_Loop Antenna	Cable Loss	Dist Corr 30m	Corrected Reading dBuV/m	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
3	.56581	25.11	Pk	19.7	.1	-40	4.91	32.55	-27.64	0-360
4	.71849	23.3	Pk	19.7	.1	-40	3.1	30.48	-27.38	0-360
5	.79579	24.03	Pk	19.8	.2	-40	4.03	29.6	-25.57	0-360
6	1.01911	22.53	Pk	19.8	.2	-40	2.53	27.46	-24.93	0-360
7	1.47568	20.03	Pk	19.8	.2	-40	.03	24.25	-24.22	0-360

[Face-Off]

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	HFH2-Z2_Loop Antenna	Cable Loss	Dist Corr 300m	Corrected Reading dBuV/m	Peak Limit (dBuV/m)	Margin (dB)	Avg Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
**8	.11269	53.71	Pk	19.8	.1	-80	-6.39	46.59	-52.98	26.59	-32.98	0-360
9	.33894	35.8	Pk	19.7	.1	-80	-24.4	37.01	-61.41	17.01	-41.41	0-360

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	HFH2-Z2_Loop Antenna	Cable Loss	Dist Corr 30m	Corrected Reading dBuV/m	QP Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)
10	.57064	25.01	Pk	19.7	.1	-40	4.81	32.48	-27.67	0-360
11	.70896	23.05	Pk	19.7	.1	-40	2.85	30.6	-27.75	0-360
12	.79267	21.49	Pk	19.8	.2	-40	1.49	29.63	-28.14	0-360
13	1.02656	20.38	Pk	19.8	.2	-40	.38	27.39	-27.01	0-360
14	1.47595	22.1	Pk	19.8	.2	-40	2.1	24.25	-22.15	0-360

Pk - Peak detector

** Fundamental

Note : Radiated test were investigated with three receiving antenna axes: Face-on, Face-off and horizontal (parallel to the ground plane) and the worse orientations of Face-on and Face-off were set for final test.

7.2. AC MAINS LINE CONDUCTED EMISSIONS

TEST PROCEDURE

ANSI C63.10: 2013

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.10.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

LIMIT

FCC §15.207 (a)

Frequency range (MHz)	Limits (dB μ V)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

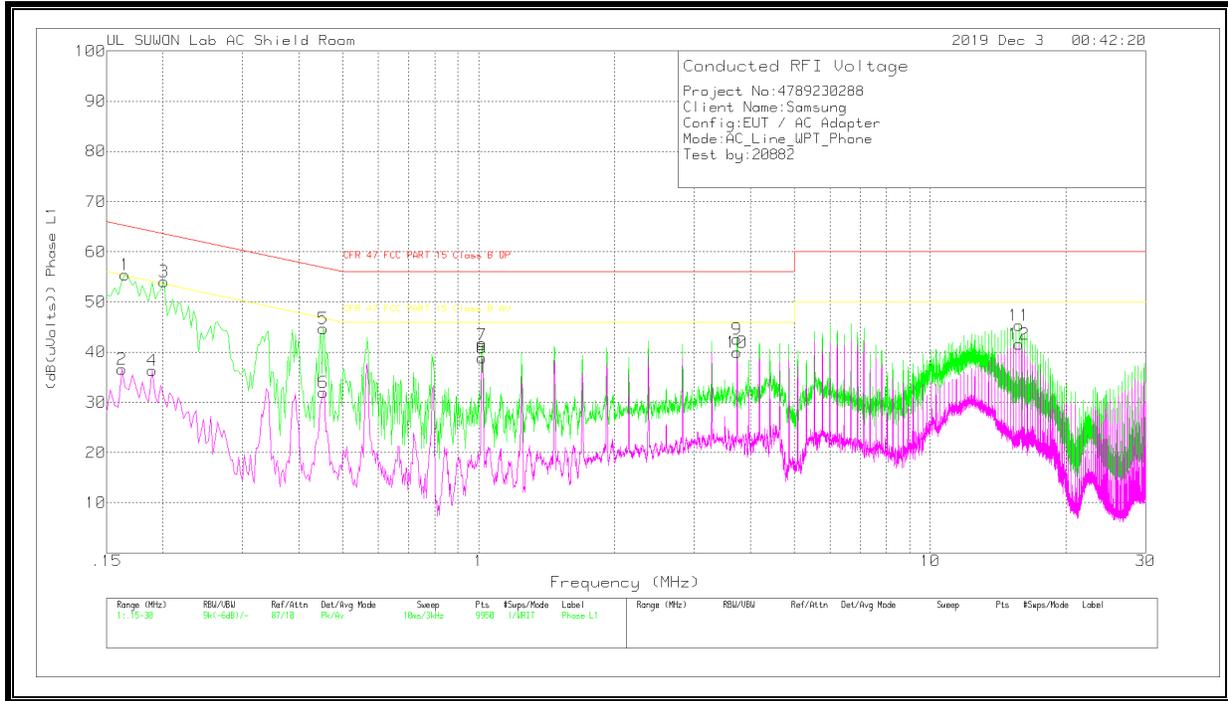
*Decreases with the logarithm of the frequency.

RESULTS

The EUT belongs to Test Case 4.

6 WORST EMISSIONS(Power sharing mode Test Case 4)

Line-L1 .15 - 30MHz



LINE 1 RESULTS

Trace Markers

Range 1: Phase L1 .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h Ex_L1[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
1	.165	45.37	Pk	10	.1	55.47	65.21	-9.74	-	-
2	.162	26.49	Av	10	.1	36.59	-	-	55.36	-18.77
3	.201	43.91	Pk	9.9	.2	54.01	63.57	-9.56	-	-
4	.189	26.13	Av	10	.2	36.33	-	-	54.08	-17.75
5	.453	34.59	Pk	9.9	.2	44.69	56.82	-12.13	-	-
6	.453	21.93	Av	9.9	.2	32.03	-	-	46.82	-14.79
7	1.017	31.36	Pk	9.8	.3	41.46	56	-14.54	-	-
8	1.017	28.77	Av	9.8	.3	38.87	-	-	46	-7.13
9	3.735	32.51	Pk	9.8	.3	42.61	56	-13.39	-	-
10	3.735	29.89	Av	9.8	.3	39.99	-	-	46	-6.01
11	15.729	34.8	Pk	10.1	.4	45.3	60	-14.7	-	-
12	15.729	31.12	Av	10.1	.4	41.62	-	-	50	-8.38

Pk - Peak detector

Av - Average detection

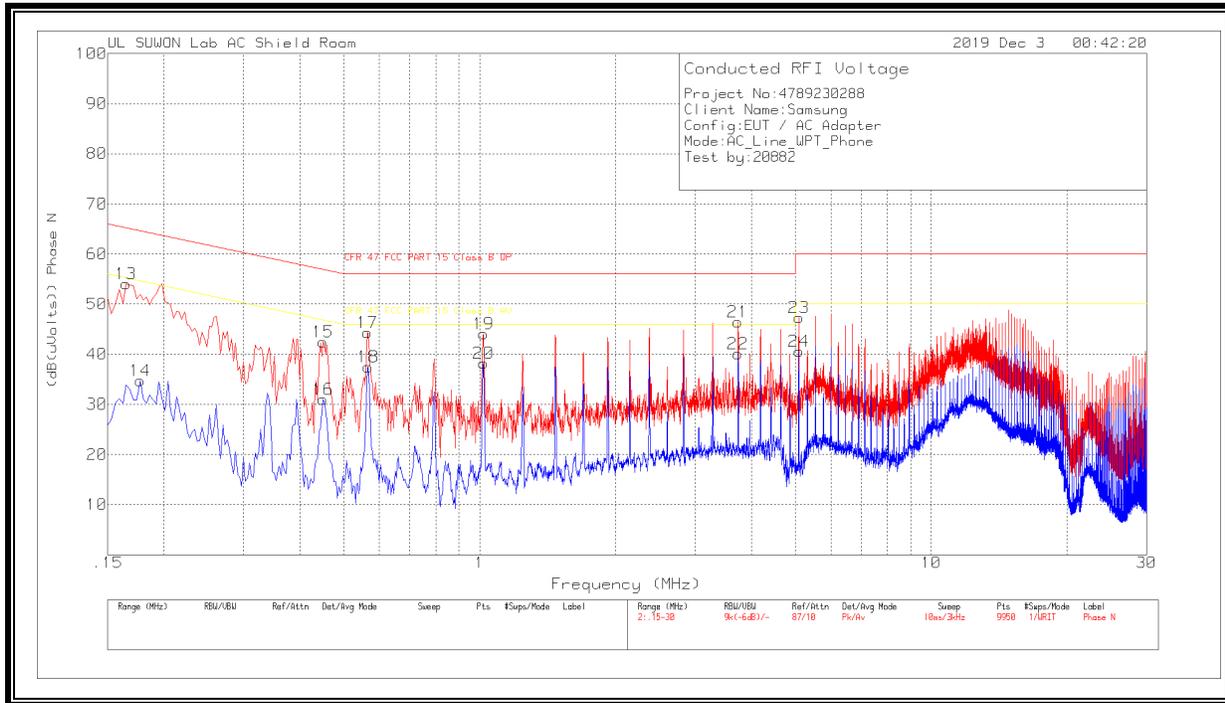
Quasi-Peak Emissions

Range 1: Phase L1 .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h Ex_L1[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
.16425	38.35	Qp	10	.1	48.45	65.25	-16.8	-	-
.20175	36.36	Qp	9.9	.2	46.46	63.54	-17.08	-	-
1.01775	30.15	Qp	9.8	.3	40.25	56	-15.75	-	-
3.73515	30.61	Qp	9.8	.3	40.71	56	-15.29	-	-
15.7298	30.13	Qp	10.1	.4	40.63	60	-19.37	-	-

Qp - Quasi-Peak detector

Line-L2 .15 - 30MHz



LINE 2 RESULTS

Trace Markers

Range 2: Phase N .15 - 30MHz

Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_N[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
13	.165	43.94	Pk	10	.1	54.04	65.21	-11.17	-	-
14	.177	24.53	Av	10	.2	34.73	-	-	54.63	-19.9
15	.45	32.4	Pk	9.9	.2	42.5	56.88	-14.38	-	-
16	.45	20.88	Av	9.9	.2	30.98	-	-	46.88	-15.9
17	.564	34.2	Pk	9.9	.2	44.3	56	-11.7	-	-
18	.567	27.36	Av	9.9	.2	37.46	-	-	46	-8.54
19	1.02	33.98	Pk	9.8	.3	44.08	56	-11.92	-	-
20	1.02	28.09	Av	9.8	.3	38.19	-	-	46	-7.81
21	3.735	36.29	Pk	9.8	.3	46.39	56	-9.61	-	-
22	3.735	29.98	Av	9.8	.3	40.08	-	-	46	-5.92
23	5.094	37.25	Pk	9.8	.3	47.35	60	-12.65	-	-
24	5.091	30.44	Av	9.8	.3	40.54	-	-	50	-9.46

Pk - Peak detector

Av - Average detection

Quasi-Peak Emissions

Range 2: Phase N .15 - 30MHz

Frequency (MHz)	Meter Reading (dBuV)	Det	101836_Wit h EX_N[dB]	CABLELOS S(dB)	Corrected Reading (dB(uVolts))	CFR 47 FCC PART 15 Class B QP	Margin (dB)	CFR 47 FCC PART 15 Class B AV	Margin (dB)
.56625	32.23	Qp	9.9	.2	42.33	56	-13.67	-	-
1.01925	33.06	Qp	9.8	.3	43.16	56	-12.84	-	-
3.73515	33.19	Qp	9.8	.3	43.29	56	-12.71	-	-
5.09175	31.03	Qp	9.8	.3	41.13	60	-18.87	-	-

Qp - Quasi-Peak detector

END OF REPORT