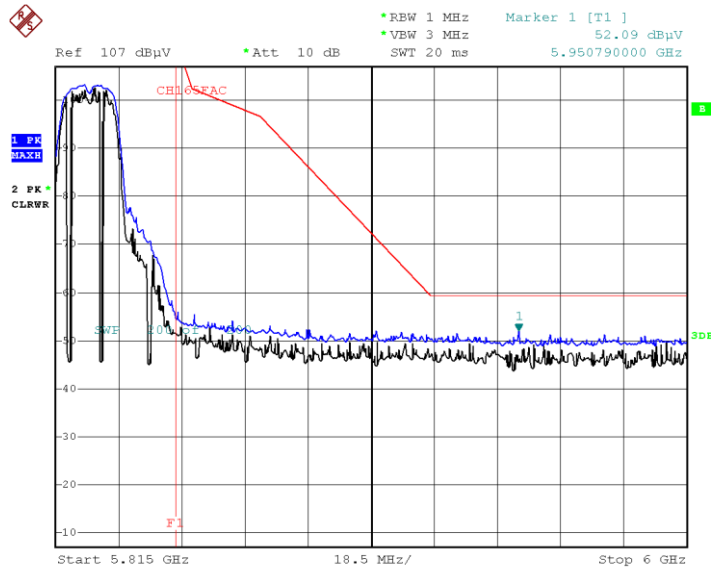
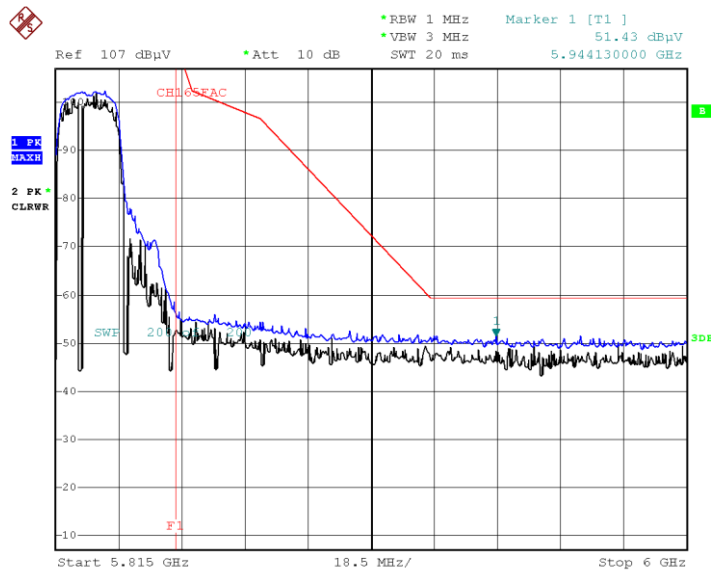


### Peak Reading (802.11a, Ch.165, Y-V)



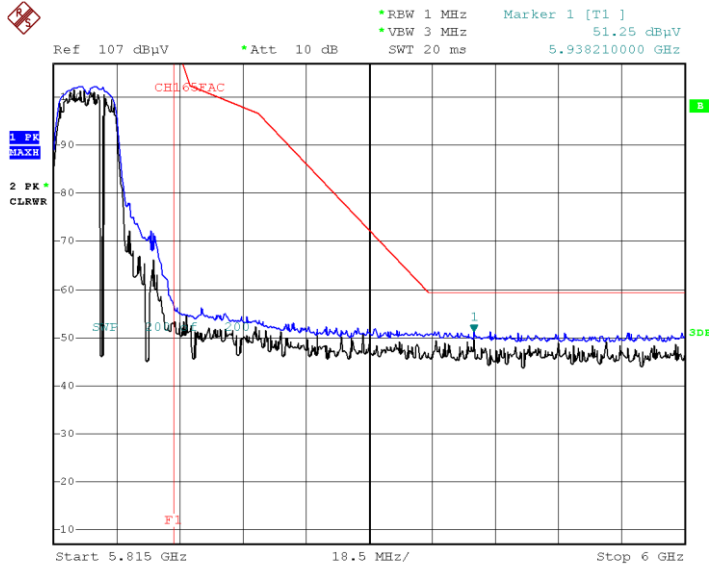
Date: 4.NOV.2019 13:24:52

### Peak Reading (802.11n\_HT20, Ch.165, Y-V)



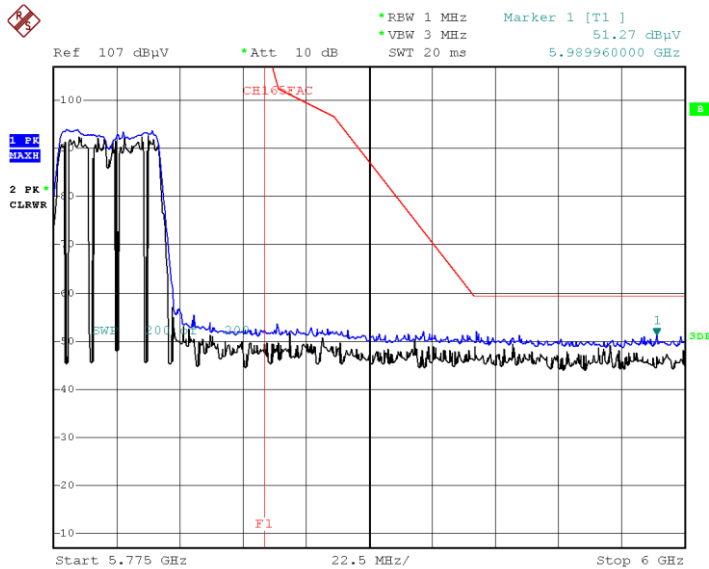
Date: 4.NOV.2019 13:26:18

**Peak Reading (802.11ac\_VHT20, Ch.165, Y-V)**



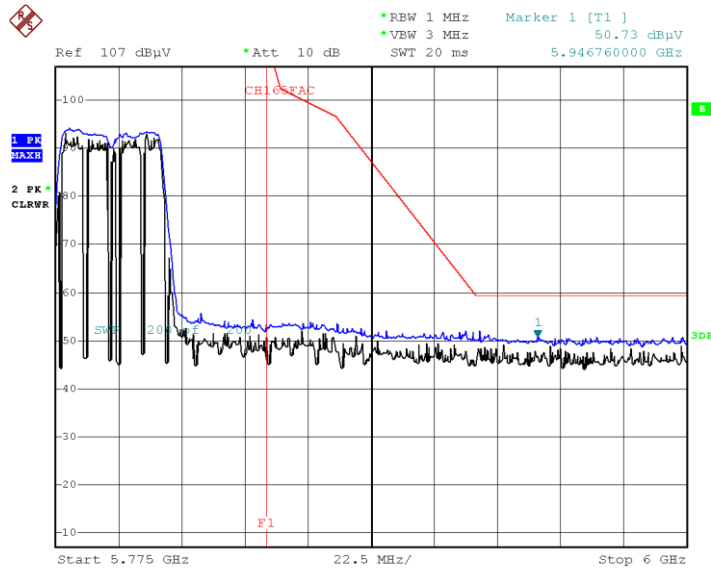
Date: 4.NOV.2019 13:27:23

**Peak Reading (802.11n\_HT40, Ch.159, Y-V)**



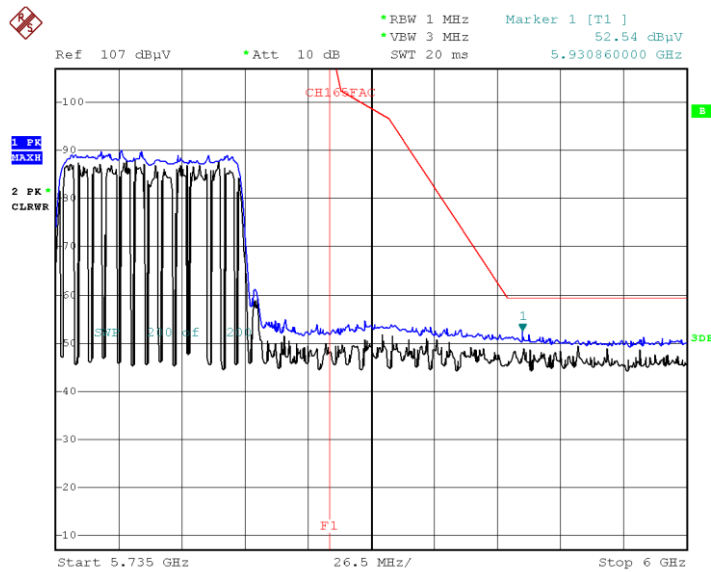
Date: 4.NOV.2019 13:29:15

**Peak Reading (802.11ac\_VHT40, Ch.159, Y-V)**



Date: 4.NOV.2019 13:30:38

**Peak Reading (802.11ac\_VHT80, Ch.155, Y-V)**



Date: 4.NOV.2019 13:34:18

**10.10 RECEIVER SPURIOUS EMISSIONS**

**Frequency Range : Below 1 GHz**

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

**Note:**

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

**Frequency Range : Above 1 GHz**

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

**10.11 POWERLINE CONDUCTED EMISSIONS**  
**Conducted Emissions (Line 1)**

Test

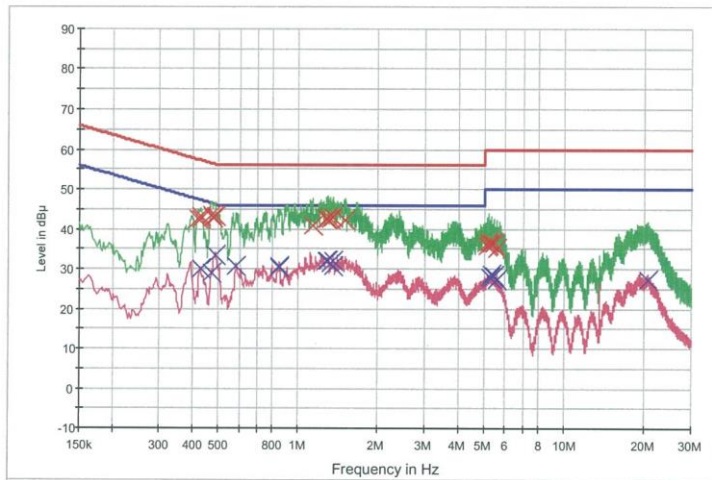
1 / 2

**HCT TEST Report**

**Common Information**

EUT: SM-T307U  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: WLAN\_5G\_L1

FCC CLASS B\_Exten Cable



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
 — Preview Result 2-AVG      × Final Result 1-QPK      × Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.420000	42.6	9.000	Off	L1	9.8	14.9	57.4
0.428000	43.2	9.000	Off	L1	9.8	14.1	57.3
0.432000	42.6	9.000	Off	L1	9.8	14.6	57.2
0.472000	43.7	9.000	Off	L1	9.8	12.8	56.5
0.476000	43.0	9.000	Off	L1	9.8	13.4	56.4
0.486000	43.3	9.000	Off	L1	9.8	12.9	56.2
1.132000	40.8	9.000	Off	L1	9.9	15.2	56.0
1.274000	42.4	9.000	Off	L1	9.9	13.6	56.0
1.296000	42.5	9.000	Off	L1	9.9	13.5	56.0
1.326000	42.4	9.000	Off	L1	9.9	13.6	56.0
1.346000	43.0	9.000	Off	L1	9.9	13.0	56.0
1.510000	42.0	9.000	Off	L1	9.9	14.0	56.0
5.142000	35.7	9.000	Off	L1	10.1	24.3	60.0
5.196000	36.7	9.000	Off	L1	10.1	23.3	60.0
5.200000	36.1	9.000	Off	L1	10.1	23.9	60.0
5.304000	36.5	9.000	Off	L1	10.1	23.5	60.0
5.408000	36.4	9.000	Off	L1	10.1	23.6	60.0
5.564000	35.1	9.000	Off	L1	10.1	24.9	60.0

2019-10-24

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Test

2 / 2

**Final Result 2**

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.430000	29.9	9.000	Off	L1	9.8	17.4	47.3
0.472000	29.0	9.000	Off	L1	9.8	17.5	46.5
0.486000	33.5	9.000	Off	L1	9.8	12.7	46.2
0.582000	30.8	9.000	Off	L1	9.8	15.2	46.0
0.844000	30.4	9.000	Off	L1	9.9	15.6	46.0
0.850000	30.7	9.000	Off	L1	9.9	15.3	46.0
1.274000	32.0	9.000	Off	L1	9.9	14.0	46.0
1.292000	32.0	9.000	Off	L1	9.9	14.0	46.0
1.296000	31.9	9.000	Off	L1	9.9	14.1	46.0
1.326000	31.3	9.000	Off	L1	9.9	14.7	46.0
1.348000	31.9	9.000	Off	L1	9.9	14.1	46.0
1.360000	30.7	9.000	Off	L1	9.9	15.3	46.0
5.254000	27.9	9.000	Off	L1	10.1	22.1	50.0
5.302000	28.6	9.000	Off	L1	10.1	21.4	50.0
5.330000	27.5	9.000	Off	L1	10.1	22.5	50.0
5.408000	28.2	9.000	Off	L1	10.1	21.8	50.0
5.562000	27.2	9.000	Off	L1	10.1	22.8	50.0
20.634000	27.2	9.000	Off	L1	10.7	22.8	50.0

2019-10-24

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**Conducted Emissions (Line 2)**

Test

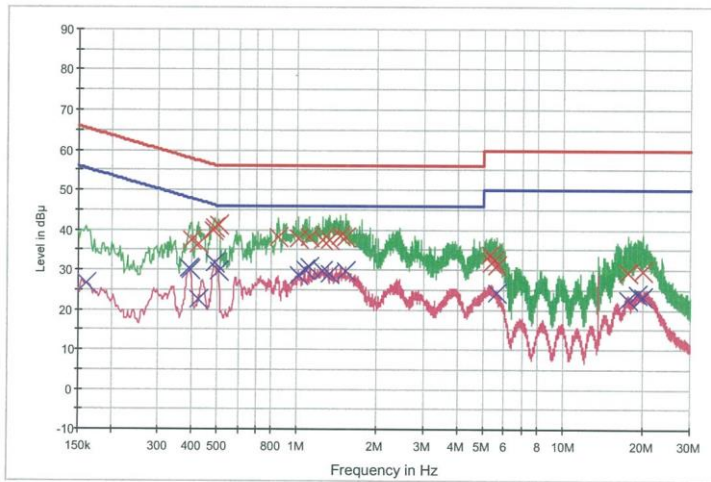
1 / 2

**HCT TEST Report**

**Common Information**

EUT: SM-T307U  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: WLAN\_5G\_N

FCC CLASS B\_Exten Cable



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
 — Preview Result 2-AVG      X Final Result 1-QPK      X Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.402000	37.4	9.000	Off	N	9.8	20.4	57.8
0.424000	36.5	9.000	Off	N	9.8	20.8	57.4
0.484000	39.9	9.000	Off	N	9.8	16.4	56.3
0.490000	40.4	9.000	Off	N	9.8	15.8	56.2
0.504000	41.0	9.000	Off	N	9.8	15.0	56.0
0.850000	38.2	9.000	Off	N	9.8	17.8	56.0
1.010000	37.8	9.000	Off	N	9.9	18.2	56.0
1.112000	38.2	9.000	Off	N	9.9	17.8	56.0
1.246000	37.5	9.000	Off	N	9.9	18.5	56.0
1.328000	37.5	9.000	Off	N	9.9	18.5	56.0
1.456000	38.5	9.000	Off	N	9.9	17.5	56.0
1.514000	38.2	9.000	Off	N	9.9	17.8	56.0
5.304000	33.8	9.000	Off	N	10.1	26.2	60.0
5.360000	31.6	9.000	Off	N	10.1	28.4	60.0
5.516000	32.3	9.000	Off	N	10.1	27.7	60.0
5.622000	31.1	9.000	Off	N	10.1	28.9	60.0
17.498000	29.2	9.000	Off	N	10.7	30.8	60.0
19.808000	29.6	9.000	Off	N	10.8	30.4	60.0

2019-10-24

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Test

2 / 2

**Final Result 2**

Frequency (MHz)	CAverage (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.160000	26.5	9.000	Off	N	9.8	28.9	55.5
0.392000	30.5	9.000	Off	N	9.8	17.5	48.0
0.396000	30.2	9.000	Off	N	9.8	17.8	47.9
0.424000	22.7	9.000	Off	N	9.8	24.7	47.4
0.486000	31.6	9.000	Off	N	9.8	14.7	46.2
0.504000	29.7	9.000	Off	N	9.8	16.3	46.0
1.010000	28.6	9.000	Off	N	9.9	17.4	46.0
1.064000	30.1	9.000	Off	N	9.9	15.9	46.0
1.112000	30.7	9.000	Off	N	9.9	15.3	46.0
1.246000	29.6	9.000	Off	N	9.9	16.4	46.0
1.328000	28.8	9.000	Off	N	9.9	17.2	46.0
1.514000	29.6	9.000	Off	N	9.9	16.4	46.0
5.622000	24.1	9.000	Off	N	10.1	25.9	50.0
17.448000	22.6	9.000	Off	N	10.7	27.4	50.0
17.452000	22.5	9.000	Off	N	10.7	27.5	50.0
17.498000	22.4	9.000	Off	N	10.7	27.6	50.0
19.018000	24.0	9.000	Off	N	10.8	26.0	50.0
19.808000	23.1	9.000	Off	N	10.8	26.9	50.0

2019-10-24

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**Conducted Emissions (Line 3)**

Test

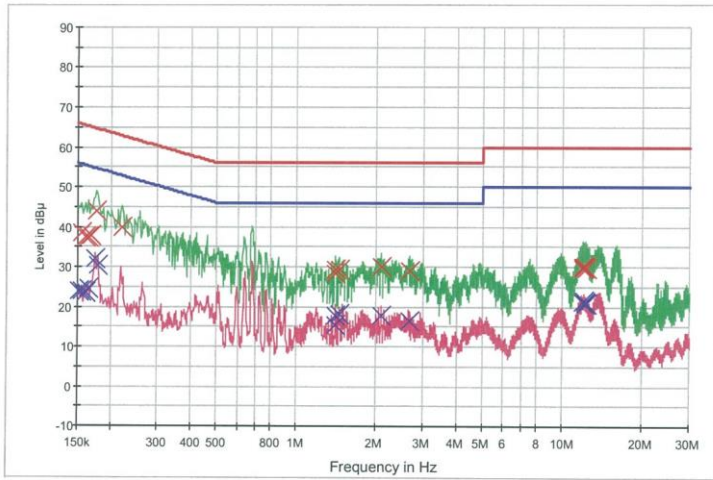
1 / 2

**HCT TEST Report**

**Common Information**

EUT: SM-T307U  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: 5G\_L1\_Fast Charge

FCC CLASS B\_Exten Cable



— FCC CLASS B\_QP      — FCC CLASS B\_AV      — Preview Result 1-PK+  
 — Preview Result 2-AVG      × Final Result 1-QPK      × Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.156000	38.4	9.000	Off	L1	9.8	27.3	65.7
0.160000	37.4	9.000	Off	L1	9.8	28.1	65.5
0.164000	37.5	9.000	Off	L1	9.8	27.7	65.3
0.168000	37.7	9.000	Off	L1	9.8	27.4	65.1
0.176000	44.0	9.000	Off	L1	9.8	20.7	64.7
0.220000	39.9	9.000	Off	L1	9.8	22.9	62.8
1.396000	28.5	9.000	Off	L1	9.9	27.6	56.0
1.400000	29.3	9.000	Off	L1	9.9	26.7	56.0
1.444000	29.5	9.000	Off	L1	9.9	26.5	56.0
2.076000	30.1	9.000	Off	L1	9.9	25.9	56.0
2.088000	30.0	9.000	Off	L1	9.9	26.0	56.0
2.668000	28.9	9.000	Off	L1	9.9	27.1	56.0
11.856000	29.6	9.000	Off	L1	10.4	30.4	60.0
11.880000	29.9	9.000	Off	L1	10.4	30.1	60.0
11.986000	29.9	9.000	Off	L1	10.4	30.1	60.0
12.138000	30.0	9.000	Off	L1	10.4	30.0	60.0
12.156000	29.9	9.000	Off	L1	10.4	30.1	60.0
12.284000	29.8	9.000	Off	L1	10.4	30.2	60.0

2019-11-20

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Test

2 / 2

**Final Result 2**

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	23.7	9.000	Off	L1	9.8	32.2	55.9
0.156000	23.9	9.000	Off	L1	9.8	31.8	55.7
0.160000	23.5	9.000	Off	L1	9.8	32.0	55.5
0.164000	24.6	9.000	Off	L1	9.8	30.7	55.3
0.174000	32.1	9.000	Off	L1	9.8	22.6	54.8
0.178000	30.4	9.000	Off	L1	9.8	24.2	54.6
1.396000	15.5	9.000	Off	L1	9.9	30.5	46.0
1.400000	17.9	9.000	Off	L1	9.9	28.1	46.0
1.444000	18.1	9.000	Off	L1	9.9	27.9	46.0
2.084000	17.9	9.000	Off	L1	9.9	28.1	46.0
2.088000	17.8	9.000	Off	L1	9.9	28.2	46.0
2.666000	16.5	9.000	Off	L1	9.9	29.5	46.0
11.856000	21.1	9.000	Off	L1	10.4	28.9	50.0
12.036000	21.4	9.000	Off	L1	10.4	28.6	50.0
12.138000	21.3	9.000	Off	L1	10.4	28.7	50.0
12.156000	21.2	9.000	Off	L1	10.4	28.8	50.0
12.252000	21.0	9.000	Off	L1	10.4	29.0	50.0
12.284000	20.9	9.000	Off	L1	10.4	29.1	50.0

2019-11-20

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**Conducted Emissions (Line 4)**

Test

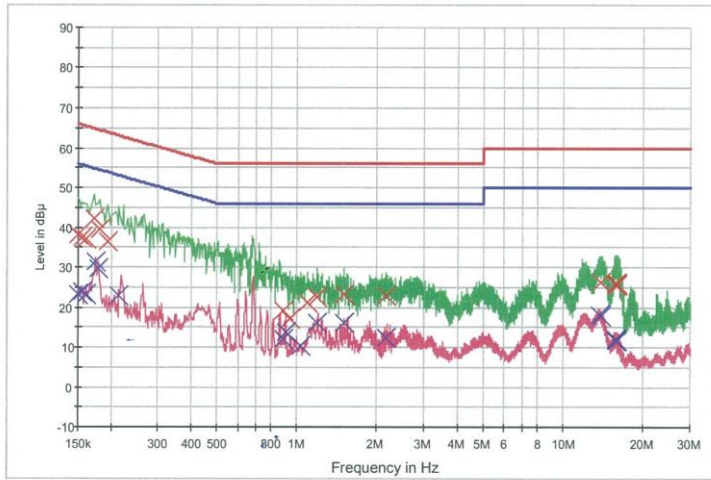
1 / 2

**HCT TEST Report**

**Common Information**

EUT: SM-T307U  
 Manufacturer: SAMSUNG  
 Test Site: SHIELD ROOM  
 Operating Conditions: 5G\_N\_Fast Charge

FCC CLASS B\_Exten Cable



— FCC CLASS B\_QP      —×— FCC CLASS B\_AV      —×— Preview Result 1-PK+  
 — Preview Result 2-AVG      × Final Result 1-QPK      × Final Result 2-CAV

**Final Result 1**

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	38.1	9.000	Off	N	9.8	27.9	66.0
0.156000	37.4	9.000	Off	N	9.8	28.2	65.7
0.160000	37.0	9.000	Off	N	9.8	28.5	65.5
0.172000	42.2	9.000	Off	N	9.8	22.6	64.9
0.180000	39.6	9.000	Off	N	9.8	24.9	64.5
0.194000	36.6	9.000	Off	N	9.8	27.3	63.9
0.888000	19.0	9.000	Off	N	9.8	37.0	56.0
0.938000	17.2	9.000	Off	N	9.9	38.8	56.0
1.098000	21.1	9.000	Off	N	9.9	34.9	56.0
1.190000	22.6	9.000	Off	N	9.9	33.4	56.0
1.498000	23.2	9.000	Off	N	9.9	32.8	56.0
2.154000	22.9	9.000	Off	N	9.9	33.1	56.0
13.874000	26.4	9.000	Off	N	10.5	33.6	60.0
15.728000	25.8	9.000	Off	N	10.6	34.2	60.0
15.748000	25.8	9.000	Off	N	10.6	34.2	60.0
15.786000	26.0	9.000	Off	N	10.6	34.0	60.0
15.862000	25.7	9.000	Off	N	10.6	34.3	60.0
15.920000	26.0	9.000	Off	N	10.6	34.0	60.0

2019-11-20

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Test

2 / 2

**Final Result 2**

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.150000	23.3	9.000	Off	N	9.8	32.7	56.0
0.156000	23.7	9.000	Off	N	9.8	31.9	55.7
0.160000	23.3	9.000	Off	N	9.8	32.2	55.5
0.174000	31.3	9.000	Off	N	9.8	23.5	54.8
0.178000	29.6	9.000	Off	N	9.8	24.9	54.6
0.214000	22.8	9.000	Off	N	9.8	30.3	53.0
0.888000	11.9	9.000	Off	N	9.8	34.1	46.0
0.910000	13.6	9.000	Off	N	9.9	32.4	46.0
1.030000	10.4	9.000	Off	N	9.9	35.6	46.0
1.190000	16.0	9.000	Off	N	9.9	30.0	46.0
1.498000	16.0	9.000	Off	N	9.9	30.0	46.0
2.154000	12.4	9.000	Off	N	9.9	33.6	46.0
13.716000	18.2	9.000	Off	N	10.5	31.8	50.0
13.874000	17.9	9.000	Off	N	10.5	32.1	50.0
15.728000	12.0	9.000	Off	N	10.6	38.0	50.0
15.746000	11.8	9.000	Off	N	10.6	38.2	50.0
15.786000	12.0	9.000	Off	N	10.6	38.0	50.0
15.932000	11.7	9.000	Off	N	10.6	38.3	50.0

2019-11-20

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## 11. LIST OF TEST EQUIPMENT

### Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	09/11/2019	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/18/2019	Annual	100584
ESPAC	SU-642 / Temperature Chamber	03/12/2019	Annual	0093008124
Agilent	N9020A / Signal Analyzer	05/23/2019	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	05/09/2019	Annual	MY49432108
Agilent	N1911A / Power Meter	04/10/2019	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/10/2019	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/11/2019	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	05/24/2019	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/18/2019	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/02/2019	Annual	07560
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A
Rohde & Schwarz	CBT / Bluetooth Tester	05/16/2019	Annual	100422

### Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

**Radiated Test**

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Audix	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/31/2018	Biennial	00895
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/09/2018	Biennial	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	06/28/2019	Biennial	1300
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	04/29/2019	Biennial	BBHA9170342
Rohde & Schwarz	FSP(9 kHz ~ 40 GHz) / Spectrum Analyzer	07/16/2019	Annual	100843
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	01/03/2019	Annual	F6
Wainwright Instruments	WHFX7.0/18G-8SS / High Pass Filter	05/03/2019	Annual	29
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/19/2019	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/03/2019	Annual	2
Weinschel	2-3 / Attenuator (3 dB)	10/08/2019	Annual	BR0617
H+S	5910-N-50-010 / Attenuator(10 dB)	10/29/2019	Annual	None
CERNEX	CBLU1183540B-01 / Power Amplifier	12/21/2018	Annual	25540
CERNEX	CBL06185030 / Power Amplifier	03/26/2019	Annual	28550
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/18/2019	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/26/2019	Annual	3000C000276

**Note:**

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
3. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5(Version : 2017).

**12. ANNEX A\_ TEST SETUP PHOTO**

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-1911-FI022-P