

EVALUATION REPORT

Applicant Name:

Samsung Electronics Co., Ltd.

Address:

129, Samsung-ro, Maetan dong,
Yeongtong-gu, Suwon-si Gyeonggi-
do, 16677, Korea

Date of Evaluation:

Feb 24, 2017

Test Site/Location:

HCT CO., LTD., 74, Seoicheon-ro 578beon-gil, Majang-
myeo, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

FCC ID
: A3LSMW723
APPLICANT
: Samsung Electronics Co., Ltd.

Test Data Re-Use Summary

Introduction

FCC ID: A3LSMW723

Equipment Class(es): NII, DTS, DSS

Rule Part(s): 2, 15

Applicant's Statement: The applicant takes full responsibility that the test data referenced below represents compliance for this FCC ID. This is confirmed by the applicant (Samsung Electronics Co., Ltd.).

Differences

Brief Description: The Bluetooth, WLAN hardware of this device are identical to the implementation in A3LSMW727V. The Product Equality Declaration document includes detailed information about the changes between the devices. The data from that application has been verified through appropriate spot checks to demonstrate compliance for this device as shown in the summary table below.

Spot Check Verification Result Summary

(Note: The detail test data can be found in this documents, Appendix A, hereafter)

Category	Spot Check	Verdict
SAR:	2.4 GHz WLAN	Share
	5 GHz WLAN	Share
Unlicensed EMC	Band Edge	Share
	Spurious Emissions	Share

Reference Detail Section

Equipment Class	Reference FCC ID	Folder Test/RF Exposure	Report Title/Section
DSS	A3LSMW727V	Bluetooth Report	All Sections
DTS	A3LSMW727V	WLAN DTS Report	All Sections
	A3LSMW727V	Bluetooth LE Report	All Sections
	A3LSMW727V	SAR report	All Sections
NII	A3LSMW727V	UNII report	All Sections
	A3LSMW727V	SAR report	All Sections
	A3LSMW727V	DFS report	All Sections



Signature

Manager / Chang Seok. Choi
HCT CO., LTD

2. Subject: Summary of the spot check for RF Exposure

Per FCC KDB 484596 D01 Referencing Test Data DR01-42712 4) e)

For RF exposure purposes, each combination of frequency band, wireless mode, and exposure test conditions shall be considered separately. A KDB inquiry is recommended for complex device configurations to confirm appropriate RF exposure test cases

SAR Spot check												
Band		Antenna	Mode	BW	Test Position	Frequency		Tune Up Limit	Original Model		Data Re-use Model	
									A3LSMW727V		A3LSMW723	
									Meas. Power	Meas. SAR	Meas. Power	Meas. SAR
				MHz		MHz	Ch.	(dBm)	(dBm)	(W/kg)	(dBm)	(W/kg)
DTS	2.4GHz	Ant 1	802.11b	22	Rear	2412	1	8.5	8.34	0.489	7.21	0.398
		Ant 2	802.11b	22	Rear	2412	1	8.5	8.48	0.241	8.45	0.255
UNII-1	5.2GHz	Ant 1	802.11ac	80	Top	5210	42	7.5	5.75	0.168	5.77	0.187
		Ant 2	802.11ac	80	Rear	5210	42	7.5	6.61	0.244	6.62	0.196
UNII-2A	5.3GHz	Ant 1	802.11ac	80	Top	5290	58	7.5	6	0.156	6.21	0.171
		Ant 2	802.11a	20	Rear	5260	52	12.5	11.55	0.114	11.64	0.099
UNII-2C	5.6GHz	Ant 1	802.11a	20	Top	5700	140	12.5	11.41	0.157	11.63	0.158
		Ant 2	802.11ac	80	Rear	5530	106	7.5	6.93	0.103	6.45	0.104
UNII-3	5.8GHz	Ant 1	802.11ac	80	Rear	5775	155	7.5	6.11	0.213	5.89	0.205
		Ant 2	802.11ac	80	Rear	5775	155	7.5	6.5	0.164	6.19	0.143
BT	2.4GHz	Ant 1	DH5	N/A	Rear	2441	39	10	9.36	0.381	9.72	0.392

3. Subject: Summery of the spot check for Unlicensed bands

Title : Spot checking result									
Model Name : SM-W723									
Report	Test Item	Channel	Measured Frequency	A3LSMW727V Result [dBuV/m]		A3LSMW723 Result [dBuV/m]		Gap [dB]	
				Peak	Average	Peak	Average	Peak	Average
BT	Band Edge	78	2483.5 MHz~2500 MHz	65.76	62.66	64.59	60.92	1.17	1.74
	RSE	78	7440 MHz	54.83	40.68	54.73	40.66	0.1	0.02
BT LE	Band Edge	39	2483.5 MHz~2500 MHz	49.09	39.55	48.97	39.46	0.12	0.09
	RSE	78	7440 MHz	54.44	43.96	54.41	44	0.03	-0.04
DTS	Band Edge	11	2483.5 MHz~2500 MHz	59.67	48.19	59.78	47.82	-0.11	0.37
	RSE	6	4874 MHz	-	-	-	-	-	-
			7311 MHz	55.46	42.84	55.28	42.88	0.18	-0.04
UNII (20MHz)	Band Edge	36	4500 MHz~5150 MHz	58.34	44.91	57.00	43.89	1.34	1.02
	RSE	116	11160 MHz	55.28	43.32	52.41	43.95	2.87	-0.63
UNII (40MHz)	Band Edge	102	5460 MHz ~ 5470 MHz	63.12	-	63.75	-	-0.63	-
	RSE	110	11100 MHz	53.45	44.16	52.65	42.36	0.8	1.8
UNII (80MHz)	Band Edge	106	5.35 MHz ~ 5.46 MHz	60.05	47.02	60.65	46.77	-0.6	0.25
	RSE	106	11060	52.47	43.39	52.4	42.34	0.07	1.05