

July 25, 2025

Data Referencing Plan Acceptance

Per FCC KDB 484596, we have reviewed and accept the test plan as follows for the Data Referencing of the Samsung Parent Model SM-X736B (FCC ID: A3LSMX736B) for use for the FCC Authorization of the Samsung Model SM-X730 (FCC ID: A3LSMX730).

The following Data Referencing Test Plan is based on review of the changes between the parent model and this referenced model. Review included review of the Software and Hardware changes including the Block Diagram and PCB layout changes between the parent and the variant. This information is considered confidential but is included as part of the filing. It was determined that the following Test Plan is sufficient for validating referencing of data from the parent model SM-X736B.

We have determined that the spot-check data submitted with the filing for the SM-X730 supports that the data from the SM-X736B can be used for the certification of the variant model SM-X730.

The test reports contained in this filing are full test reports from the Parent Model SM-X736B and all spot-check is included as a separate Appendix at the end of each applicable test report.

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Proposed License-Exempt Band SAR Spot-Check Test Plan for Variant Model

Based on the changes outlined in the previous section, we propose to perform the following testing for the variant model:

Compliance Test	Technology (Equipment Class)	Frequency Bands (MHz)	Device Type	IC Specifications	Test Position	Separation Distance	Reference Model	Variant Model	Data Re-use Criteria
RF Exposure (SAR/APD)	2.4 GHz WLAN 5GHz WLAN 6GHz WLAN Bluetooth Bluetooth LE	2412 - 2472 UNII-1: 5150 - 5250 UNII-2A: 5250 - 5350 UNII-2C: 5475 - 5725 UNII-3: 5725 - 5850 UNII-4: 5850 - 5895 UNII-5: 5925 - 6425 UNII-6: 6425 - 6525 UNII-7: 6525 - 6885 UNII-8: 6885 - 7125 2402 - 2480 2402 - 2480	Tablet	RSS-102.SAR.MEAS Issue 1 RSS-102 Issue 6 Health Canada Safety Code 6	Conducted Output Power Measurement	N/A	Full Compliance Testing	Spot-check conducted power on the channel exhibited worst SAR in each band of the reference model	+/- 1/2 dB of conducted power
					All applicable RF Exposure conditions Tablet Mode Body-Worn 1g SAR Back surface and all four edges (with and without Keyboard) Laptop Mode Body-Worn 1g SAR Bottom surface of key board (with Keyboard 90 ° unfolded at Keyboard Bottom)	0 mm	Full Compliance Testing	Spot-check the worst-case test configurations identified in the reference model for each antenna, each frequency band, and each technology	No greater than 30 % from the highest reported SAR/APD in the reference model filling (Based on Section 5.1.2.2 of RSS-102.SAR.MEAS Issue 1)
RF Exposure (EIR Field)	Digitizer	500 - 600 kHz	Tablet	RSS-102.NS.MEAS Issue 1 RSS-102 Issue 6 Health Canada Safety Code 6	Hand/Arm/Whole Body Exposure	0 and 2 mm	Full Compliance Testing	Full Compliance Testing	NA

* Only the worst-case exposure positions will undergo spot-check SAR testing across all supported frequency bands where the tune-up target (including Tune up tolerance) does not change.
* Full compliance Testing will be proceeded for the conducted power if the measured conduct power of the variant model is changed more than +/- 0.5 dBm from the reference model's measured conducted power.
* RF Exposure evaluation will be performed based on Notice 2020-DRS0022 unless otherwise noted in this test plan.
* Data re-use for the bands where there are HW and SW changes on the variant will not be applicable to this data re-use plan and will be fully tested.
* For reporting purposes, the final reported SAR value(s) of a variant model shall be the worst-case value(s) from either the reference model or from the spot-check testing.

Table 1. Proposed Test Plan for License-Exempt Technologies (SAR)

Proposed License-Exempt Band EMC Testing Spot-Check Test Plan for Variant Model

Based on the changes outlined in the previous section, we propose to perform the following EMC testing for the variant model:

Technology	Eq. Class	Test Setup	Test Case	FCC Rule Part(s)	ISED Rule Part(s)	Frequency Bands (MHz)	Variant Model Proposed Testing	Data Referencing Criteria
2.4GHz WLAN (OFDM/OFDMA)	DTS	Conducted	Conducted Output Power	15.247(b)(3)	RSS-247(5.4(b))	2412 - 2472	Full test on 802.11b mode due to lower target output power compared to reference model. Spot-check conducted power on mid channel for other modes.	+/- 1dB
			6dB Bandwidth/Occupied Bandwidth	2.1049, 15.247(a)(2)	RSS-247(5.2(a))		Spot-check on mid channel for 802.11b mode	Emissions must remain within band
			Power Spectral Density	15.247(e)	RSS-247(5.2(b))		Full test on 802.11b mode due to lower target output power compared to reference model. Spot-check conducted power on mid channel for other modes.	+/- 1dB
			Conducted Spurious Emissions	15.247(d)	RSS-247(5.5)		N/A	+/- 3dB
			Conducted Out-of-Band Emissions (Band Edge)	15.247(d)	RSS-247(5.5)		Full test on 802.11b mode due to lower target output power compared to reference model. Spot-check conducted power on mid channel for other modes.	+/- 3dB
			AC Line Conducted	15.207	RSS-Gen(8.8)		Full testing in only one unlicensed mode (2.4GHz WLAN) to ensure overall device compliance to 15.207 limits	+/- 3dB
		Radiated	Radiated Spurious Emissions	15.209	RSS-Gen(8.9)		Spot-check worst-case radiated spurious emission from reference model. Spot-checks to cover the worst-case between OFDM and OFDMA modes.	+/- 3dB
			Radiated Band Edge Emissions	15.209	RSS-Gen(8.9)		Spot-check worst-case radiated band edge from reference model. Spot-checks to cover the worst-case between OFDM and OFDMA modes.	+/- 3dB
5GHz WLAN (OFDM/OFDMA)	NII	Conducted	Conducted Output Power	2.1046, 15.407(a)(1)(i), 15.407(a)(2), 15.407(a)(3)(i), 15.407(a)(3)(iii)	RSS-247(6.2)	5150 - 5250 (UNII-1), 5250 - 5350 (UNII-2A), 5475 - 5725 (UNII-2C), 5725 - 5850 (UNII-3), 5850 - 5895 (UNII-4)	Spot-check conducted power on mid channel for each UNII band	+/- 1dB
			Dynamic Frequency Selection	15.407(h)	RSS-247(6.3)		Full testing to be performed on variant model	N/A
			AC Line Conducted	15.207	RSS-Gen(8.8)		Testing is covered by spot-checks performed in 2.4GHz DTS operation	+/- 3dB
		Radiated	Radiated Spurious Emissions	15.209, 15.407(b)(1), 15.407(b)(2), 15.407(b)(3), 15.407(b)(4), 15.407(b)(5)	RSS-Gen(8.9)		Spot-check worst-case radiated spurious emission from reference model. Spot-checks to cover the worst-case between OFDM and OFDMA modes.	+/- 3dB
			Radiated Band Edge Emissions	15.209, 15.407(b)(4), 15.407(b)(5)	RSS-Gen(8.9)		Spot-check average and peak radiated band edge for worst-case UNII band and also for UNII-4 from reference model. Spot-checks to cover the worst-case between OFDM and OFDMA modes.	+/- 3dB

Table 2. Proposed Test Plan for License-Exempt Technologies (EMC) – Part 1

Technology	Eq. Class	Test Setup	Test Case	FCC Rule Part(s)	ISED Rule Part(s)	Frequency Bands (MHz)	Variant Model Proposed Testing	Data Referencing Criteria
6GHz WLAN (OFDM/OFDMA)	6CD	Conducted	Conducted Output Power	2.1046, 15.407(a)(7), 15.407(a)(8)	RSS-248(4.5.3), RSS-248(4.5.5)	5925 - 6425 (UNII-5), 6425 - 6525 (UNII-6), 6525 - 6885 (UNII-7), 6885 - 7125 (UNII-8)	Spot-check conducted power on mid channel for each UNII band	+/- 1dB
			Contention Based Protocol	15.407(d)(6)	RSS-248(4.7)		Spot-check worst-case CBP from reference model only for one band and one bandwidth while applying antenna gains of this variant model. Also, test CBP, including spectrum plots, to determine whether EUT employs either channel puncturing or bandwidth reduction for the purpose of incumbent avoidance	Channel puncturing method should remain the same and Adjusted Power Detection Level must be within +/- 2dB
			Dual Client Test, Demonstration of Proper Power Adjustment based on Associated AP	15.407(d)(7)	RSS-248(4.5.5)		Full testing to be performed on variant model	N/A
			AC Line Conducted	15.207, 15.407(b)(9)	RSS-Gen(8.8)		Testing is covered by spot-checks performed in 2.4GHz DTS operation	+/- 3dB
		Radiated	Radiated Spurious Emissions	15.209, 15.407(b)(6)	RSS-Gen(8.9)		Spot-check worst-case radiated spurious emission from reference model. Spot-checks to cover the worst-case between OFDM and OFDMA modes.	+/- 3dB
			Radiated Band Edge Emissions	15.209, 15.407(b)(6)	RSS-Gen(8.9)		Spot-check worst-case radiated band edge from reference model. Spot-checks to cover the worst-case between OFDM and OFDMA modes.	+/- 3dB
6GHz VLP (OFDM/OFDMA)	6VL	Conducted	Conducted Output Power	2.1046, 15.407(a)(9)	RSS-248(4.5.6)	5925 - 6425 (UNII-5), 6425 - 6525 (UNII-6), 6525 - 6885 (UNII-7), 6885 - 7125 (UNII-8)	Spot-check conducted power on mid channel for each UNII band	+/- 1dB
			Contention Based Protocol	15.407(d)(6)	RSS-248(4.7)		Spot-check worst-case CBP from reference model only for one band and one bandwidth while applying antenna gains of this variant model. Also, test CBP, including spectrum plots, to determine whether EUT employs either channel puncturing or bandwidth reduction for the purpose of incumbent avoidance	Channel puncturing method should remain the same and Adjusted Power Detection Level must be within +/- 2dB
			Transmit Power Control	15.407(d)(10)	RSS-248(4.5.6)		Full testing to be performed on variant model	N/A
			AC Line Conducted	15.207, 15.407(b)(9)	RSS-Gen(8.8)		Testing is covered by spot-checks performed in 2.4GHz DTS operation	+/- 3dB
		Radiated	Radiated Spurious Emissions	15.209, 15.407(b)(6)	RSS-Gen(8.9)		Spot-check worst-case radiated spurious emission from reference model. Spot-checks to cover the worst-case between OFDM and OFDMA modes.	+/- 3dB
			Radiated Band Edge Emissions	15.209, 15.407(b)(6)	RSS-Gen(8.9)		Spot-check worst-case radiated band edge from reference model. Spot-checks to cover the worst-case between OFDM and OFDMA modes.	+/- 3dB
Bluetooth (BDR/EDR)	DSS	Conducted	Conducted Output Power	15.247(b)(1)	RSS-247(5.4(2))	2402 - 2480	Spot-check conducted power on mid channel	+/- 1dB
			AC Line Conducted	15.207	RSS-Gen(8.8)		Testing is covered by spot-checks performed in 2.4GHz DTS operation	+/- 3dB
		Radiated	Radiated Spurious Emissions	15.209	RSS-Gen(8.9)		Spot-check radiated spurious emissions	+/- 3dB
			Radiated Band Edge Emissions	15.209	RSS-Gen(8.9)		Spot-check radiated band edge at upper end (2483.5MHz)	+/- 3dB
Bluetooth LE	DTS	Conducted	Conducted Output Power	15.247(b)(3)	RSS-247(5.4(4))	2402 - 2480	Spot-check conducted power on mid channel	+/- 1dB
			AC Line Conducted	15.207	RSS-Gen(8.8)		Testing is covered by spot-checks performed in 2.4GHz DTS operation	+/- 3dB
		Radiated	Radiated Spurious Emissions	15.209	RSS-Gen(8.9)		N/A - RSE covered by Bluetooth (DSS) operation due to BLE using same antenna but operating at lower power	N/A
			Radiated Band Edge Emissions	15.209	RSS-Gen(8.9)		N/A - Radiated band edge covered by Bluetooth (DSS) operation due to BLE using same antenna but operating at lower power	N/A
Wireless Power Transfer	DXX	Conducted	AC Line Conducted	15.207	RSS-216(6.2.2.1)	0.148	Full testing to be performed on variant model	N/A
		Radiated	Radiated Spurious Emissions	15.209	RSS-216(6.2.2.2)		Spot-check radiated spurious emissions	+/- 3dB

Table 3. Proposed Test Plan for License-Exempt Technologies (EMC) – Part 2