

RF Exposure Report

(Part 0: SAR Char Evaluation)

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Mobile Cellular Phone
BRAND NAME : Motorola
MODEL NAME : XT2321-3, XT2321-5
FCC ID : IHDT56AJ3
STANDARD : FCC 47 CFR PART 2 (2.1093)

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures given in 47 CFR Part 2.1093 and FCC KDB and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.



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Table of Contents

1. Introduction	4
2. Product Description	5
3. SAR Characterization.....	6
3.1 SAR design target and uncertainty.....	6
3.2 SAR Char Table	7



History of this test report

Report No.	Version	Description	Issued Date
FA2D0913-05A	01	Initial issue of report	Apr. 10, 2023



1. Introduction

The RF exposure limit is defined based on time-averaged RF exposure. The product implements Qualcomm Smart Transmit feature which controls the instantaneous transmitting power for WWAN transmitter to ensure the product in compliance with RF exposure limit over a defined time window, for SAR (transmit frequency \leq 6GHz) to control and manage transmitting power in real time and to ensure at all times the time-averaged RF exposure is compliant to the regulation requirement. Smart Transmit cannot operate without SAR characterization at the device level, beforehand.

This report describes the procedures for the SAR char generation, and the parameters obtained from SAR characterization (referred to as SAR char, respectively) will be used as input for Smart Transmit. Both SAR char will be entered via the Embedded File System (EFS) to enable the Smart Transmit GEN1 Feature.

Terminologies in this report

P_{limit}	The time-averaged RF power which corresponds to SAR_design_target.
P_{max}	Maximum target power level
SAR_design_target:	The design target for SAR compliance. It should be less than regulatory power density limit to account for all device design related uncertainty.
SAR char	P_{limit} for all the technologies/bands for all applicable DSI



2. Product Description

Product Feature & Specification	
Equipment Name	Mobile Cellular Phone
Brand Name	Motorola
Model Name	XT2321-3, XT2321-5
FCC ID	IHDT56AJ3
Wireless Technology and Frequency Range	GSM850: 824 MHz ~ 849 MHz GSM1900: 1850 MHz ~ 1910 MHz WCDMA Band II: 1850 MHz ~ 1910 MHz WCDMA Band IV: 1710 MHz ~ 1755 MHz WCDMA Band V: 824 MHz ~ 849 MHz LTE Band 2: 1850 MHz ~ 1910 MHz LTE Band 4: 1710 MHz ~ 1755 MHz LTE Band 5: 824 MHz ~ 849 MHz LTE Band 7: 2500 MHz ~ 2570 MHz LTE Band 12: 699 MHz ~ 716 MHz LTE Band 13: 777 MHz ~ 787 MHz LTE Band 14: 788 MHz ~ 798 MHz LTE Band 17: 704 MHz ~ 716 MHz LTE Band 25: 1850 MHz ~ 1915 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 30: 2305 MHz ~ 2315 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 48: 3550 MHz ~ 3700 MHz LTE Band 66: 1710 MHz ~ 1780 MHz LTE Band 71: 663 MHz ~ 698 MHz 5G NR n2 : 1850 MHz ~ 1910 MHz 5G NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n13 : 777 MHz ~ 787 MHz 5G NR n14 : 788 MHz ~ 798 MHz 5G NR n25 : 1850 MHz ~ 1915 MHz 5G NR n26 : 814 MHz ~ 849 MHz 5G NR n30 : 2305 MHz ~ 2315 MHz 5G NR n66: 1710 MHz ~ 1780 MHz 5G NR n70 : 1695 MHz ~ 1710 MHz 5G NR n71 : 663 MHz ~ 698 MHz 5G NR n38 : 2570 MHz ~ 2620 MHz 5G NR n41 : 2496 MHz ~ 2690 MHz 5G NR n48 : 3550 MHz ~ 3700 MHz 5G NR n77: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3980 MHz 5G NR n78: 3450 MHz ~ 3550 MHz, 3700 MHz ~ 3800 MHz WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz WLAN 5.2GHz Band: 5180 MHz ~ 5240 MHz WLAN 5.3GHz Band: 5260 MHz ~ 5320 MHz WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz WLAN 5.8GHz Band: 5745 MHz ~ 5825 MHz WLAN 6GHz U-NII-5: 5925 MHz ~ 6425 MHz WLAN 6GHz U-NII-6: 6425 MHz ~ 6525 MHz WLAN 6GHz U-NII-7: 6525 MHz ~ 6875 MHz WLAN 6GHz U-NII-8: 6875 MHz ~ 7125 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC : 13.56 MHz
Mode	GSM/GPRS/EGPRS RMC/AMR 12.2Kbps HSDPA HSUPA DC-HSDPA HSPA+(16QAM uplink is not supported) LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR : CP-OFDM / DFT-s-OFDM, PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac/ax VHT20/VHT40/VHT80/VHT160/HE20/HE40/HE80/HE160 WLAN 6GHz 802.11a/ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE NFC: ASK



Remark: This is a variant report for XT2321-3, XT2321-5, for model change note, please refer to the XT2321-3, XT2321-5_Operational Description of Product Equality Declaration exhibit submitted. Based on the similarity between two models, only add LTE Band 66 Ant0/2 other PA Plimit value, and all other Bands test results leverage from original report which can be referred to Sporton Report Number FA2D0913D.

3. SAR Characterization

SAR char must be generated to cover all radio configurations and usage scenarios that the wireless device supports for operating at 6 GHz or below. It will then be used as input for Smart Transmit to control and manage RF exposure for f < 6 GHz.

3.1 SAR design target and uncertainty

SAR design Target :

FCC SAR	EUT Flip State	Measure Distance	Trigger Conditions	Standalone SAR (W/kg)		Simultaneous SAR (W/kg)	
				WWAN 2/3/4/5G Top and Bottom	WWAN 2/3/4/5G Bottom Ant	WWAN 2/3/4/5G Top Ant	WWAN 2/3/4/5G Top Ant
Body Worn (1g)	Close	5 mm	Sensor On	1.00	0.79	0.79	
	Open	5 mm	Sensor On	1.00	1.00	0.79	
Hotspot (1g)	Close	5 mm	Hotspot On	/	0.79	0.79	
	Open	5mm	Hotspot On	/	1.00	0.79	
Head (1g)	Open	touch&tilt 15deg	Receiver on	1.00	1.00	0.79	
Extremity (10g)	Open	0mm	Sensor On	2.50	2.50	2.22	

Uncertainty:

Item	Uncertainty dB (k=2)
Total uncertainty	1.5

To account for total uncertainty, SAR_design_target should be determined as:

$$SAR_{design_target} < SAR_{regulatory_limit} \times 10^{\frac{-total\ uncertainty}{10}}$$



3.2 SAR Char Table

SAR char must be generated to cover all radio configurations and usage scenarios that the wireless device supports for operating at 6 GHz or below. It will then be used as input for Smart Transmit to control and manage RF exposure for f < 6 GHz.

<P_{limit} for supported technologies and bands (P_{limit} in EFS file)>

Band	Antenna	Head DSI 2 Standalone	Head DSI 2 Simultaneous	Body Worn DSI 3 Standalone	Body Worn & Hotspot DSI 3 Simultaneous	Body Worn DSI 5 Standalone	Body Worn & Hotspot DSI 5 Simultaneous	Extremity DSI6 Standalone	Extremity DSI6 Simultaneous	Sensor Off DSI4	Pmax
GSM850	Ant 0	38.9	38.9	24.7	24.7	27.4	25.5	24.7	24.7	24.7	24.7
GSM850	Ant 1	42.2	42.2	22.7	22.7	25.6	25.6	22.7	22.7	22.7	22.7
GSM1900	Ant 0	35.5	35.5	19.2	19.2	23.2	22.2	19.2	19.2	19.2	19.2
GSM1900	Ant 1	49.1	49.1	19.2	19.2	22.7	21.0	19.2	19.2	19.2	19.2
GSM1900	Ant 2	22.6	21.6	19.7	19.7	24.0	22.1	19.7	19.7	19.7	19.7
GSM1900	Ant 3	19.1	17.8	21.2	20.6	23.5	21.0	21.2	21.2	21.2	21.2
WCDMA II	Ant 0	31.8	31.8	21.1	21.1	20.7	20.7	23.0	23.0	21.0	21.0
WCDMA II	Ant 1	35.2	35.2	21.5	21.5	22.4	21.3	22.6	22.6	22.0	22.0
WCDMA II	Ant 2	19.1	18.2	21.6	20.7	21.8	21.6	21.9	21.9	22.0	22.0
WCDMA II	Ant 3	18.9	17.8	23.3	20.5	23.5	22.0	23.3	23.3	23.0	23.0
WCDMA IV	Ant 0	31.1	31.1	21.0	21.0	20.5	20.5	21.0	21.0	21.0	21.0
WCDMA IV	Ant 1	34.7	34.7	21.4	21.4	21.5	21.4	22.0	22.0	22.0	22.0
WCDMA IV	Ant 2	21.5	20.7	22.0	21.8	23.8	22.8	22.0	22.0	22.0	22.0
WCDMA IV	Ant 3	19.7	18.9	23.0	20.4	23.5	20.7	23.0	23.0	23.0	23.0
WCDMA V	Ant 0	35.6	35.6	23.0	23.0	27.7	26.6	23.0	23.0	23.0	23.0
WCDMA V	Ant 1	35.1	35.1	22.0	22.0	29.7	28.7	22.0	22.0	22.0	22.0
LTE Band 25(2)	Ant 0	32.1	32.1	23.0	23.0	24.1	23.1	23.0	23.0	23.0	23.0
LTE Band 25(2)	Ant 1	36.4	36.4	21.5	21.5	21.3	21.3	24.6	24.6	21.0	21.0
LTE Band 2	Ant 2	20.0	19.0	23.2	20.1	23.7	21.7	24.8	24.8	23.0	21.0
LTE Band 25	Ant 2	20.0	19.0	23.2	20.1	23.7	21.7	24.8	24.8	23.0	23.0
LTE Band 25(2)	Ant 3	18.6	17.8	23.1	20.3	23.0	21.8	23.2	23.0	23.0	23.0
LTE Band 66(4)	Ant 0	33.1	33.1	22.5	21.5	22.0	20.9	24.4	24.4	23.0	23.0
LTE Band 66 for other PA	Ant 0	43.3	43.3	21.3	21.3	21.9	21.1	24.8	24.3	23.0	23.0
LTE Band 66(4)	Ant 1	34.2	34.2	21.3	21.3	21.4	21.2	24.2	24.2	21.0	21.0
LTE Band 66(4)	Ant 2	21.3	21.3	22.8	20.2	24.1	23.0	25.7	25.7	21.0	21.0
LTE Band 66 for other PA	Ant 2	23.3	22.3	25.7	25.3	26.5	25.5	23.0	23.0	23.0	23.0
LTE Band 66(4)	Ant 3	20.4	19.2	23.0	20.8	23.2	20.1	23.2	23.2	23.0	23.0
LTE Band 26(5)	Ant 0	32.7	32.7	23.0	23.0	23.7	22.7	23.0	23.0	23.0	23.0
LTE Band 26(5)	Ant 1	34.1	34.1	21.0	21.0	23.9	22.9	21.0	21.0	21.0	21.0
LTE Band 26(5)	Ant 2	23.3	22.3	22.0	22.0	29.1	25.9	22.0	22.0	22.0	22.0
LTE Band 7	Ant 0	34.3	34.3	22.6	20.9	21.0	20.7	23.1	23.1	21.0	21.0
LTE Band 7	Ant 1	35.6	35.6	20.5	19.7	20.8	19.1	22.0	22.0	22.0	22.0
LTE Band 7	Ant 2	13.4	12.2	16.1	14.1	18.7	16.1	19.1	18.7	21.0	21.0
LTE Band 7	Ant 3	18.6	17.4	22.9	21.9	24.0	22.9	23.6	23.6	23.0	23.0
LTE Band 12(17)	Ant 0	31.5	31.5	23.0	23.0	27.6	26.5	23.0	23.0	23.0	23.0
LTE Band 12(17)	Ant 1	32.9	32.9	22.0	22.0	27.9	26.8	22.0	22.0	22.0	22.0
LTE Band 12(17)	Ant 2	29.1	28.1	23.0	23.0	31.8	26.8	23.0	23.0	23.0	23.0
LTE Band 13	Ant 0	32.3	32.3	23.0	23.0	27.0	26.0	23.0	23.0	23.0	23.0
LTE Band 13	Ant 1	34.9	34.9	22.0	22.0	28.4	27.4	22.0	22.0	22.0	22.0
LTE Band 13	Ant 2	23.1	22.6	23.0	23.0	28.3	28.3	23.0	23.0	23.0	23.0
LTE Band 14	Ant 0	31.3	31.3	23.0	23.0	25.0	24.0	23.0	23.0	23.0	23.0
LTE Band 14	Ant 1	33.0	33.0	22.0	22.0	26.0	24.9	22.0	22.0	22.0	22.0
LTE Band 14	Ant 2	23.6	22.6	23.0	23.0	28.5	25.3	23.0	23.0	23.0	23.0
LTE Band 30	Ant 0	37.4	37.4	21.0	19.2	23.2	20.8	22.6	22.6	23.0	23.0
LTE Band 30	Ant 1	35.3	35.3	20.4	20.3	21.4	19.9	24.4	24.4	22.0	22.0
LTE Band 30	Ant 2	14.1	13.1	16.8	14.5	20.3	17.1	20.5	19.7	21.0	21.0



LTE Band 30	Ant 3	19.1	18.3	23.0	22.0	24.2	23.2	25.8	25.8	23.0	23.0
LTE Band 71	Ant 0	34.2	34.2	23.0	23.0	26.3	25.2	23.0	23.0	23.0	23.0
LTE Band 71	Ant 1	34.9	34.9	22.0	22.0	28.8	27.7	22.0	22.0	22.0	22.0
LTE Band 38 PC3	Ant 0	33.8	33.8	20.0	17.6	20.5	19.2	21.4	21.4	21.4	19.0
LTE Band 41 PC3	Ant 0	33.8	33.8	20.0	17.6	20.5	19.2	21.4	21.4	21.4	21.0
LTE Band 41 PC2	Ant 0	33.8	33.8	20.0	17.6	20.5	19.2	21.4	21.4	21.4	21.4
LTE Band 38 PC3	Ant 1	35.1	35.1	19.0	18.2	20.5	18.9	23.5	23.5	22.4	20.0
LTE Band 41 PC3	Ant 1	35.1	35.1	19.0	18.2	20.5	18.9	23.5	23.5	22.4	21.0
LTE Band 41 PC2	Ant 1	35.1	35.1	19.0	18.2	20.5	18.9	23.5	23.5	22.4	22.4
LTE Band 38 PC3	Ant 2	16.2	15.1	15.2	14.6	20.4	16.9	19.4	19.0	21.9	20.0
LTE Band 41 PC3	Ant 2	16.2	15.1	15.2	14.6	20.4	16.9	19.4	19.0	21.9	21.0
LTE Band 41 PC2	Ant 2	16.2	15.1	15.2	14.6	20.4	16.9	19.4	19.0	21.9	21.9
LTE Band 41 PC3(38 PC3)	Ant 3	18.1	17.0	19.2	17.6	22.6	20.0	20.7	20.1	21.9	21.0
LTE Band 41 PC2	Ant 3	18.1	17.0	19.2	17.6	22.6	20.0	20.7	20.1	21.9	21.9
LTE Band 48	Ant 0	42.1	42.1	20.0	20.0	26.7	25.7	20.0	20.0	20.0	20.0
LTE Band 48	Ant 1	48.2	48.2	21.0	21.0	25.3	22.0	21.0	21.0	21.0	21.0
LTE Band 48	Ant 2	16.8	15.7	20.4	16.6	19.7	16.9	20.4	20.4	18.0	18.0
LTE Band 48	Ant 3	16.1	15.0	20.4	15.3	18.1	13.4	20.4	19.7	21.0	21.0
5G NR n5	Ant 2	24.4	24.4	23.0	23.0	30.4	28.5	23.0	23.0	23.0	23.0
5G NR n7	Ant 0	37.2	37.2	22.0	21.5	22.9	21.1	22.0	22.0	22.0	22.0
5G NR n7	Ant 1	40.3	40.3	19.7	19.4	20.1	19.6	22.5	22.5	22.0	22.0
5G NR n7	Ant 2	12.7	12.2	16.6	14.6	17.5	14.3	20.6	19.9	22.0	22.0
5G NR n7	Ant 3	17.9	16.1	22.5	21.4	23.6	22.1	22.5	22.1	23.0	23.0
5G NR n12	Ant 0	32.1	32.1	23.0	23.0	33.7	32.7	23.0	23.0	23.0	23.0
5G NR n12	Ant 1	35.0	35.0	22.0	22.0	28.8	27.8	22.0	22.0	22.0	22.0
5G NR n13	Ant 0	34.4	34.4	23.0	23.0	29.6	28.6	23.0	23.0	23.0	23.0
5G NR n13	Ant 1	35.1	35.1	22.0	22.0	30.9	29.8	22.0	22.0	22.0	22.0
5G NR n14	Ant 0	33.3	33.3	23.0	23.0	26.7	25.7	23.0	23.0	23.0	23.0
5G NR n14	Ant 1	35.3	35.3	22.0	22.0	30.6	29.6	22.0	22.0	22.0	22.0
5G NR n25 (2)	Ant 0	33.2	33.2	23.0	23.0	27.7	23.6	23.0	23.0	23.0	23.0
5G NR n25 (2)	Ant 1	39.2	39.2	22.1	22.1	23.6	20.6	24.9	24.9	22.0	22.0
5G NR n25 (2)	Ant 2	18.7	17.5	23.6	20.9	23.0	21.1	24.1	24.1	22.0	22.0
5G NR n25 (2)	Ant 3	18.8	17.2	21.8	20.7	23.3	21.2	24.2	24.2	23.0	23.0
5G NR n26 (5)	Ant 0	33.5	33.5	23.0	23.0	26.2	25.2	23.0	23.0	23.0	23.0
5G NR n26 (5)	Ant 1	33.7	33.7	22.0	22.0	27.1	26.1	22.0	22.0	22.0	22.0
5G NR n30	Ant 0	42.2	42.2	24.2	22.9	21.1	19.5	26.4	23.0	23.0	23.0
5G NR n30	Ant 1	36.5	36.5	19.9	19.9	21.0	20.2	22.9	22.0	22.0	22.0
5G NR n30	Ant 2	14.6	13.5	16.4	14.5	18.1	14.6	19.9	19.6	22.0	22.0
5G NR n30	Ant 3	19.0	17.3	22.9	21.2	23.4	22.7	25.0	24.9	23.0	23.0
5G NR n66	Ant 0	32.4	32.4	23.0	23.0	21.9	21.4	23.0	23.0	23.0	23.0
5G NR n66	Ant 1	37.7	37.7	21.8	21.8	22.8	21.8	22.0	22.0	22.0	22.0
5G NR n66	Ant 2	20.0	19.0	22.0	22.0	24.6	20.5	22.0	22.0	22.0	22.0
5G NR n66	Ant 3	19.6	18.8	23.8	20.5	25.9	22.4	24.9	24.4	23.0	23.0
5G NR n70	Ant 0	32.4	32.4	21.0	21.0	25.0	24.0	21.0	21.0	21.0	21.0
5G NR n70	Ant 1	36.4	36.4	22.0	22.0	23.5	21.6	22.0	22.0	22.0	22.0
5G NR n70	Ant 2	21.4	20.0	22.0	22.0	23.6	21.1	22.0	22.0	22.0	22.0
5G NR n70	Ant 3	21.2	20.1	24.7	20.7	25.6	22.5	24.8	24.3	23.0	23.0
5G NR n71	Ant 0	32.7	32.7	23.0	23.0	30.5	29.5	23.0	23.0	23.0	23.0
5G NR n71	Ant 1	36.3	36.3	22.0	22.0	28.7	27.6	22.0	22.0	22.0	22.0
5G NR n41 PC3(38 PC3)	Ant 0	34.2	34.2	20.1	18.9	20.3	18.2	21.3	21.3	22.0	22.0
5G NR n41 PC2	Ant 0	34.2	34.2	20.1	18.9	20.3	18.2	21.3	21.3	22.0	22.0
5G NR n41 PC3(38 PC3)	Ant 1	35.2	35.2	20.0	19.2	21.7	19.6	22.4	22.4	22.0	22.0
5G NR n41 PC2	Ant 1	35.2	35.2	20.0	19.2	21.7	19.6	22.4	22.4	22.0	22.0
5G NR n41 PC3(38 PC3)	Ant 2	13.9	13.5	15.9	13.7	17.3	14.5	19.0	18.5	22.0	22.0
5G NR n41 PC2	Ant 2	13.9	13.5	15.9	13.7	17.3	14.5	19.0	18.5	22.0	22.0
5G NR n41 PC3(38 PC3)	Ant 3	17.4	16.5	21.7	21.2	23.3	22.0	22.1	21.6	23.0	23.0



5G NR n41 PC2	Ant 3	17.4	16.5	21.7	21.2	23.3	22.0	22.1	21.6	23.0	23.0
5G NR n48	Ant 0	35.3	35.3	21.0	21.0	27.3	25.0	21.0	21.0	21.0	21.0
5G NR n48	Ant 1	38.7	38.7	23.0	23.0	29.7	26.2	23.0	23.0	23.0	23.0
5G NR n48	Ant 2	17.5	16.3	19.8	15.6	20.8	17.6	21.1	20.6	23.0	23.0
5G NR n48	Ant 3	16.1	14.9	20.8	15.3	19.2	15.0	19.4	18.9	23.0	23.0
5G NR n77 PC3(n78 PC3)	Ant 0	37.4	37.4	23.0	23.0	24.7	23.7	23.0	23.0	23.0	23.0
5G NR n77 PC2(n78 PC2)	Ant 0	37.4	37.4	23.0	23.0	24.7	23.7	23.0	23.0	23.0	23.0
5G NR n77 PC3(n78 PC3)	Ant 1	37.5	37.5	25.6	23.4	24.0	22.2	25.5	25.5	23.0	23.0
5G NR n77 PC2(n78 PC2)	Ant 1	37.5	37.5	25.6	23.4	24.0	22.2	25.5	25.5	23.0	23.0
5G NR n77 PC3(n78 PC3)	Ant 2	16.2	15.2	19.6	15.6	20.4	17.2	19.6	19.0	23.0	23.0
5G NR n77 PC2(n78 PC2)	Ant 2	16.2	15.2	19.6	15.6	20.4	17.2	19.6	19.0	23.0	23.0
5G NR n77 PC3(n78 PC3)	Ant 3	15.8	15.1	19.9	16.1	19.0	15.7	19.9	19.5	23.0	23.0
5G NR n77 PC2(n78 PC2)	Ant 3	15.8	15.1	19.9	16.1	19.0	15.7	19.9	19.5	23.0	23.0

- Note: 1) *P_{max} is used for RF tune up procedure. The maximum allowed output power is equal to P_{max} + uncertainty.
- 2) All P_{limit} power levels entered in the Table correspond to average power levels after accounting for duty cycle in the case TDD modulation schemes (for e.g., GSM & LTE TDD & NR TDD).
- 3) The max allowed output power is the P_{limit} + device uncertainty, and if P_{limit} is higher than P_{max}, the device output power will be P_{max} instead.
- 4) For 5G NR n41/n77/n78 HPUE, 5G NR n41/n77/n78 PC2 Maximum Duty Cycle is 50%, using FTM (Factory Test Mode) with 50% duty cycle is considered during SAR testing. For 5G NR other bands test, using FTM (Factory Test Mode) with default 100% duty cycle transmission to perform SAR testing.
- 5) The following table is duty cycle and factor used for calculating time average power.

GSM/FDD/TDD	Duty Cycle	Time average calculation factor(dB)
GSM 1TX	12.50%	-9.0
GSM 2TX	25%	-6.0
GSM 3TX	37.50%	-4.3
GSM 4TX	50%	-3.0
FDD LTE	100%	0.0
TDD LTE	63.30%	-2.0
TDD HPUE	43.30%	-3.6
NR FDD/TDD	100%	0.0
NR TDD only for n41/77/78	50%	-3.0