



RF Exposure Report

(Part 0: SAR Characterization Evaluation)

FCC ID : A4RGEC77
Equipment : Phone
Model Name : GEC77, GWVK6
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, California, 94043 USA
Standard : FCC 47 CFR Part 2 (2.1093)

We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures 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., the test report shall not be reproduced except in full.

Approved by: Cona Huang / Deputy Manager

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan



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History of this test report

Report No.	Version	Description	Issued Date
FA3N2325-01B	01	Initial issue of report	May 07, 2024

1. Introduction

The FCC RF exposure limit is based on time-averaged RF exposure. SAR regulatory specifications are defined over certain measurement duration allowing for time-averaging. The Samsung S.LSI proprietary TAS (Time Average SAR) algorithm has been designed to meet the compliance limits over the required duration, while still allowing dynamic control of transmit power for meeting system performance.

This report shows SAR characterization of sub6GHz. The characterization is achieved by determination of Plimit. In the case of sub6GHz, power is measured by antenna connection port power. Plimit is the power level that corresponds to the exposure design target. Design target is defined as SAR_design target for sub6GHz.

The compliance test under static transmission and simultaneous transmission are performed and summarized in Part 1 report. The validation of TAS algorithm under the dynamic transmission scenarios are conducted are reported in Part 2. Terminologies for this report are listed up in the table below.

Pmax	Maximum Tx power that can be transmitted physically from RFIC for a given RAT
SAR_FCC_limit	SAR limit specified by FCC 1.6 W/kg averaged over 1-gram, for head and body exposure, and 4 W/kg averaged over 10-gram, for extremity exposure
SAR_target	Target SAR level used in TAS algorithm. This SAR value should be less than FCC limit and should be determined after accounting for all uncertainties and other design considerations.
Plimit	The time-averaged RF power that corresponds to SAR_target.
SAR characterization	Characterization of SAR value for all sub6GHz technologies

2. SAR Characterization

SAR characterization must be performed 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 S.LSI TAS feature to control and manage RF exposure for $f < 6$ GHz.

2.1 SAR design target and uncertainty

The power table index 5 and 6 will be designed to meet both 1g and 10 SAR design target

Accounting for total uncertainty, SAR_design_target should meet the following condition:

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

Wireless technology/ band	Antenna	Duty cycle	Head		Hotspot	Body-worn		Extremity		power tolerance (dB)
			Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	Standalone	Simultaneous	
			Index 2	Index 3	Index 4	Index 5	Index 6	Index 5	Index 6	
			1g SAR design target (W/Kg)						10g SAR design target (W/Kg)	
GSM850 GSM/GPRS 1TX	0	12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM850 GPRS 2TX	0	25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM850 GPRS 3TX	0	37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM850 GPRS 4TX	0	50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM850 EDGE 1TX	0	12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM850 EDGE 2TX	0	25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM850 EDGE 3TX	0	37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM850 EDGE 4TX	0	50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900 GSM/GPRS 1TX	2	12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900 GPRS 2TX	2	25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900 GPRS 3TX	2	37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900 GPRS 4TX	2	50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900 EDGE 1TX	2	12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900 EDGE 2TX	2	25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900 EDGE 3TX	2	37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900 EDGE 4TX	2	50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
WCDMA B2	2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
WCDMA B4	2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
WCDMA B5	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B7	2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B12/B17	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B13	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B14	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B25/B2	2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B25/B2	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B26/B5	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B30	2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B41/B38 PC3	2	63.30%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B41/B38 PC2	2	43.30%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B48	6	63.30%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B66/B4	2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B66/B4	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B71	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n7	2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n12	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n14	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n25/n2	2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n25/n2	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n26/n5	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70

FR1 n30	2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n38 PC3	2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41 PC3	2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41 PC2	2	50.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41 PC1.5	2	25.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n38 PC3	1	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41 PC3	1	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41 PC2	1	50.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41 PC1.5	1	25.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n66	2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n66	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n71	0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n77/n78 PC3	6	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n77/n78 PC2	6	50.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
FR1 n77/n78 PC1.5	6	25.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
FR1 n77/n78 PC3	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n77/n78 PC2	1	50.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
FR1 n77/n78 PC1.5	1	25.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
NTN B23	1	83.00%				0.79		1.98		1.00

Wireless technology/ band	Antenna	Duty cycle	Head		Hotspot	Body-worn		Extremity		power tolerance (dB)
			Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	Standalone	Simultaneous	
			Index 2	Index 3	Index 4	Index 5	Index 6	Index 5	Index 6	
			1g SAR design target (W/Kg)						10g SAR design target (W/Kg)	
GSM850 GSM/GPRS 1TX	1	12.50%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
GSM850 GPRS 2TX	1	25.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
GSM850 GPRS 3TX	1	37.50%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
GSM850 GPRS 4TX	1	50.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
GSM850 EDGE 1TX	1	12.50%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
GSM850 EDGE 2TX	1	25.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
GSM850 EDGE 3TX	1	37.50%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
GSM850 EDGE 4TX	1	50.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
GSM1900 GSM/GPRS 1TX	0	12.50%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
GSM1900 GPRS 2TX	0	25.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
GSM1900 GPRS 3TX	0	37.50%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
GSM1900 GPRS 4TX	0	50.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
GSM1900 EDGE 1TX	0	12.50%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
GSM1900 EDGE 2TX	0	25.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
GSM1900 EDGE 3TX	0	37.50%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
GSM1900 EDGE 4TX	0	50.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
WCDMA B2	0	100.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
WCDMA B4	0	100.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
WCDMA B5	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B7	0	100.00%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
LTE B12/B17	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B13	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B14	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B25/B2	0	100.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
LTE B25/B2	5	100.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
LTE B26/B5	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B30	0	100.00%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
LTE B41/B38 PC3	0	63.30%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
LTE B41/B38 PC2	0	43.30%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15



LTE B48	7	63.30%	0.72	0.61	0.61	0.72	0.61	2.39	2.02	1.40
LTE B66/B4	0	100.00%	0.74	0.63	0.63	0.74	0.63	2.47	2.09	1.25
LTE B66/B4	5	100.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
LTE B71	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n7	0	100.00%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
FR1 n12	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n14	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n25/n2	0	100.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
FR1 n25/n2	5	100.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
FR1 n26/n5	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n30	0	100.00%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
FR1 n38 PC3	0	100.00%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
FR1 n41 PC3	0	100.00%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
FR1 n41 PC2	0	50.00%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
FR1 n41 PC1.5	0	25.00%	0.76	0.65	0.65	0.76	0.65	1.91	1.62	1.15
FR1 n38 PC3	5	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41 PC3	5	100.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
FR1 n41 PC2	5	50.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
FR1 n41 PC1.5	5	25.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
FR1 n66	0	100.00%	0.74	0.63	0.63	0.74	0.63	1.87	1.58	1.25
FR1 n66	5	100.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
FR1 n71	1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n77/n78 PC3	7	100.00%	0.72	0.61	0.61	0.72	0.61	2.39	2.02	1.40
FR1 n77/n78 PC2	7	50.00%	0.7	0.6	0.6	0.7	0.6	2.33	1.98	1.50
FR1 n77/n78 PC1.5	7	25.00%	0.7	0.6	0.6	0.7	0.6	2.33	1.98	1.50
FR1 n77/n78 PC3	5	100.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
FR1 n77/n78 PC2	5	50.00%	0.7	0.6	0.6	0.7	0.6	2.33	1.98	1.50
FR1 n77/n78 PC1.5	5	25.00%	0.7	0.6	0.6	0.7	0.6	2.33	1.98	1.50
NTN B255	5	83.00%				0.83		2.07		0.80

2.2 SAR Characterization – Power Table

1. The P_{limit} values correspond to SAR_{design_target}.
2. GSM and NTN don't support time average feature of dynamic power varying, the power will be fixed at the static reduce power level at different exposure conditions for RF exposure compliance. For the GSM/NTN P_{limit} power levels in the table correspond to the burst average power levels which don't account for TX duty cycle.
3. UMTS, LTE and 5GNR TDD: P_{limit} power levels in the table correspond to the time-averaged power levels which accounts for TX duty cycle.
4. Maximum target power, P_{max}, is configured in NV settings in EUT to limit maximum transmitting power. This power is converted into peak power in NV settings for TDD schemes.

<P_{limit} for supported technologies and bands (P_{limit} corresponding to SAR design target)>

Wireless technology/ band (No Accounting duty cycle)	Antenna	Duty cycle	Max Power Condition	Head		Hotspot	Body-worn/Extremity		P Max Burst average power (dBm)
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
			P limit						
			Burst average power (dBm)						
GSM850 GSM/GPRS 1TX	0	12.50%	32.50	34.30	33.60	32.80	33.60	32.90	32.50
GSM850 GPRS 2TX	0	25.00%	31.50	31.30	30.60	29.80	30.60	29.90	31.50
GSM850 GPRS 3TX	0	37.50%	30.50	29.50	28.80	28.00	28.80	28.10	30.50
GSM850 GPRS 4TX	0	50.00%	29.50	28.30	27.60	26.80	27.60	26.90	29.50
GSM850 EDGE 1TX	0	12.50%	26.50	34.30	33.60	32.80	33.60	32.90	26.50
GSM850 EDGE 2TX	0	25.00%	25.50	31.30	30.60	29.80	30.60	29.90	25.50
GSM850 EDGE 3TX	0	37.50%	24.50	29.50	28.80	28.00	28.80	28.10	24.50
GSM850 EDGE 4TX	0	50.00%	23.50	28.30	27.60	26.80	27.60	26.90	23.50
GSM1900 GSM/GPRS 1TX	2	12.50%	29.50	32.60	31.90	29.70	30.40	29.70	29.50
GSM1900 GPRS 2TX	2	25.00%	28.00	29.60	28.90	26.70	27.40	26.70	28.00
GSM1900 GPRS 3TX	2	37.50%	27.50	27.80	27.10	24.90	25.60	24.90	27.50
GSM1900 GPRS 4TX	2	50.00%	26.50	26.60	25.90	23.70	24.40	23.70	26.50
GSM1900 EDGE 1TX	2	12.50%	25.50	32.60	31.90	29.70	30.40	29.70	25.50
GSM1900 EDGE 2TX	2	25.00%	24.50	29.60	28.90	26.70	27.40	26.70	24.50
GSM1900 EDGE 3TX	2	37.50%	23.50	27.80	27.10	24.90	25.60	24.90	23.50
GSM1900 EDGE 4TX	2	50.00%	22.50	26.60	25.90	23.70	24.40	23.70	22.50
NTN B23	1	83.00%	22.70				22.70		22.70

Wireless technology/ band (No Accounting duty cycle)	Antenna	Duty cycle	Max Power Condition	Head		Hotspot	Body-worn/Extremity		P Max Burst average power (dBm)
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
			P limit						
			Burst average power (dBm)						
GSM850 GSM/GPRS 1TX	1	12.50%	32.20	30.80	30.10	34.20	34.90	34.20	32.20
GSM850 GPRS 2TX	1	25.00%	31.20	27.80	27.10	31.20	31.90	31.20	31.20
GSM850 GPRS 3TX	1	37.50%	30.20	26.00	25.30	29.40	30.10	29.40	30.20
GSM850 GPRS 4TX	1	50.00%	29.20	24.80	24.10	28.20	28.90	28.20	29.20
GSM850 EDGE 1TX	1	12.50%	26.20	30.80	30.10	34.20	34.90	34.20	26.20
GSM850 EDGE 2TX	1	25.00%	25.20	27.80	27.10	31.20	31.90	31.20	25.20
GSM850 EDGE 3TX	1	37.50%	24.20	26.00	25.30	29.40	30.10	29.40	24.20
GSM850 EDGE 4TX	1	50.00%	23.20	24.80	24.10	28.20	28.90	28.20	23.20
GSM1900 GSM/GPRS 1TX	0	12.50%	29.25	45.50	44.80	26.00	28.00	27.30	29.25
GSM1900 GPRS 2TX	0	25.00%	27.75	42.50	41.80	23.00	25.00	24.30	27.75
GSM1900 GPRS 3TX	0	37.50%	27.25	40.70	40.00	21.20	23.20	22.50	27.25
GSM1900 GPRS 4TX	0	50.00%	26.25	39.50	38.80	20.00	22.00	21.30	26.25
GSM1900 EDGE 1TX	0	12.50%	25.25	45.50	44.80	26.00	28.00	27.30	25.25
GSM1900 EDGE 2TX	0	25.00%	24.25	42.50	41.80	23.00	25.00	24.30	24.25
GSM1900 EDGE 3TX	0	37.50%	23.25	40.70	40.00	21.20	23.20	22.50	23.25
GSM1900 EDGE 4TX	0	50.00%	22.25	39.50	38.80	20.00	22.00	21.30	22.25
NTN B255	5	83.00%	22.70				27.40		22.70

<P_{limit} for supported technologies and bands (P_{limit} corresponding to SAR design target)>

Wireless technology/ band (Accounting duty cycle)	Antenna	Duty cycle	Max Power Condition	Head		Hotspot	Body-worn/Extremity		P Max Time-average power (dBm)
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
			P limit						
Time-average power (dBm)									
WCDMA B2	2	100.00%	24.00	24.10	23.40	20.60	21.30	20.60	24.00
WCDMA B4	2	100.00%	24.00	27.20	26.50	21.20	21.90	21.20	24.00
WCDMA B5	0	100.00%	24.30	28.60	27.90	24.00	24.80	24.10	24.30
LTE B7	2	100.00%	24.10	22.50	21.80	19.70	20.40	19.70	24.10
LTE B12/B17	0	100.00%	24.30	29.00	28.30	25.50	26.20	25.50	24.30
LTE B13	0	100.00%	24.30	28.80	28.10	24.60	25.30	24.60	24.30
LTE B14	0	100.00%	24.30	28.70	28.00	24.60	25.30	24.60	24.30
LTE B25/B2	2	100.00%	24.00	25.90	25.20	19.80	20.50	19.80	24.00
LTE B25/B2	1	100.00%	24.00	15.60	14.90	20.50	21.20	20.50	24.00
LTE B26/B5	0	100.00%	24.30	28.40	27.70	24.10	24.80	24.10	24.30
LTE B30	2	100.00%	23.70	26.10	25.40	20.40	21.10	20.40	23.70
LTE B41/B38 PC3	2	63.30%	22.10	22.10	21.40	20.70	21.40	20.70	22.10
LTE B41/B38 PC2	2	43.30%	22.40	22.10	21.40	20.70	21.40	20.70	22.40
LTE B48	6	63.30%	20.50	26.30	25.60	18.90	19.60	18.90	20.50
LTE B66/B4	2	100.00%	24.00	25.80	25.10	20.90	21.60	20.90	24.00
LTE B66/B4	1	100.00%	24.00	15.80	15.10	21.40	22.10	21.40	24.00
LTE B71	0	100.00%	24.30	29.40	28.70	26.10	26.80	26.10	24.30
FR1 n7	2	100.00%	24.10	22.00	21.30	20.50	21.20	20.50	24.10
FR1 n12	0	100.00%	24.30	29.00	28.30	25.60	26.30	25.60	24.30
FR1 n14	0	100.00%	24.30	29.00	28.30	24.50	25.20	24.50	24.30
FR1 n25/n2	2	100.00%	24.00	25.10	24.40	20.20	20.90	20.20	24.00
FR1 n25/n2	1	100.00%	24.00	15.30	14.60	20.90	21.60	20.90	24.00
FR1 n26/n5	0	100.00%	24.30	28.20	27.50	24.40	25.10	24.40	24.30
FR1 n30	2	100.00%	23.70	26.20	25.50	20.20	20.90	20.20	23.70
FR1 n38 PC3	2	100.00%	24.10	22.40	21.70	19.80	20.50	19.80	24.10
FR1 n41 PC3	2	100.00%	24.10	22.40	21.70	19.80	20.50	19.80	24.10
FR1 n41 PC2	2	50.00%	23.00	22.40	21.70	19.80	20.50	19.80	23.00
FR1 n41 PC1.5	2	25.00%	20.00	22.40	21.70	19.80	20.50	19.80	20.00
FR1 n38 PC3	1	100.00%	24.10	17.30	16.60	21.70	22.40	21.70	24.10
FR1 n41 PC3	1	100.00%	24.10	17.30	16.60	21.70	22.40	21.70	24.10
FR1 n41 PC2	1	50.00%	23.00	17.30	16.60	21.70	22.40	21.70	23.00
FR1 n41 PC1.5	1	25.00%	20.00	17.30	16.60	21.70	22.40	21.70	20.00
FR1 n66	2	100.00%	24.00	26.80	26.10	21.60	22.30	21.60	24.00
FR1 n66	1	100.00%	24.00	16.30	15.60	21.80	22.50	21.80	24.00
FR1 n71	0	100.00%	24.30	29.60	28.90	26.50	27.40	26.70	24.30
FR1 n77/n78 PC3	6	100.00%	24.00	26.00	25.30	18.40	19.10	18.40	24.00
FR1 n77/n78 PC2	6	50.00%	23.00	26.00	25.30	18.40	19.10	18.40	23.00
FR1 n77/n78 PC1.5	6	25.00%	20.00	26.00	25.30	18.40	19.10	18.40	20.00
FR1 n77/n78 PC3	1	100.00%	24.00	15.70	15.00	19.00	19.70	19.00	24.00
FR1 n77/n78 PC2	1	50.00%	22.00	15.70	15.00	19.00	19.70	19.00	22.00
FR1 n77/n78 PC1.5	1	25.00%	19.00	15.70	15.00	19.00	19.70	19.00	19.00

<P_{limit} for supported technologies and bands (P_{limit} corresponding to SAR design target)>

Wireless technology/ band (Accounting duty cycle)	Antenna	Duty cycle	Max Power Condition	Head		Hotspot	Body-worn/Extremity		P Max Time-average power (dBm)
				Standalone	Simultaneous	Simultaneous	Standalone	Simultaneous	
			Index 1	Index 2	Index 3	Index 4	Index 5	Index 6	
			P limit						
			Time-average power (dBm)						
WCDMA B2	0	100.00%	23.75	35.20	34.50	17.40	19.10	18.40	23.75
WCDMA B4	0	100.00%	23.75	32.30	31.60	17.70	18.80	18.10	23.75
WCDMA B5	1	100.00%	24.00	22.40	21.70	25.60	26.40	25.70	24.00
LTE B7	0	100.00%	23.85	30.30	29.60	17.50	18.80	18.10	23.85
LTE B12/B17	1	100.00%	24.00	22.80	22.10	27.80	28.50	27.80	24.00
LTE B13	1	100.00%	24.00	21.80	21.10	26.50	27.20	26.50	24.00
LTE B14	1	100.00%	24.00	22.10	21.40	26.40	27.10	26.40	24.00
LTE B25/B2	0	100.00%	23.75	34.20	33.50	17.10	19.00	18.30	23.75
LTE B25/B2	5	100.00%	23.60	18.70	18.00	23.10	23.80	23.10	23.60
LTE B26/B5	1	100.00%	24.00	21.80	21.10	26.50	27.30	26.60	24.00
LTE B30	0	100.00%	23.45	31.30	30.60	18.10	19.50	18.80	23.45
LTE B41/B38 PC3	0	63.30%	21.35	29.60	28.90	18.00	19.50	18.80	21.35
LTE B41/B38 PC2	0	43.30%	21.65	29.60	28.90	18.00	19.50	18.80	21.65
LTE B48	7	63.30%	20.60	28.00	27.30	20.10	20.80	20.10	20.60
LTE B66/B4	0	100.00%	23.75	31.20	30.50	17.90	19.50	18.80	23.75
LTE B66/B4	5	100.00%	23.60	18.00	17.30	23.20	24.40	23.70	23.60
LTE B71	1	100.00%	24.00	22.80	22.10	27.30	28.00	27.30	24.00
FR1 n7	0	100.00%	23.85	29.00	28.30	17.10	18.80	18.10	23.85
FR1 n12	1	100.00%	24.00	22.10	21.40	25.60	26.30	25.60	24.00
FR1 n14	1	100.00%	24.00	22.30	21.60	25.90	26.60	25.90	24.00
FR1 n25/n2	0	100.00%	23.75	36.20	35.50	17.20	19.50	18.80	23.75
FR1 n25/n2	5	100.00%	23.60	18.80	18.10	24.10	24.80	24.10	23.60
FR1 n26/n5	1	100.00%	24.00	21.50	20.80	25.70	26.40	25.70	24.00
FR1 n30	0	100.00%	23.45	30.40	29.70	18.00	19.40	18.70	23.45
FR1 n38 PC3	0	100.00%	23.85	29.40	28.70	16.90	18.40	17.70	23.85
FR1 n41 PC3	0	100.00%	23.35	29.40	28.70	16.90	18.40	17.70	23.35
FR1 n41 PC2	0	50.00%	22.25	29.40	28.70	16.90	18.40	17.70	22.25
FR1 n41 PC1.5	0	25.00%	19.25	29.40	28.70	16.90	18.40	17.70	19.25
FR1 n38 PC3	5	100.00%	24.10	17.50	16.80	20.90	21.60	20.90	24.10
FR1 n41 PC3	5	100.00%	23.80	17.20	16.50	20.60	21.30	20.60	23.80
FR1 n41 PC2	5	50.00%	22.70	17.20	16.50	20.60	21.30	20.60	22.70
FR1 n41 PC1.5	5	25.00%	19.70	17.20	16.50	20.60	21.30	20.60	19.70
FR1 n66	0	100.00%	23.75	34.00	33.30	17.30	18.90	18.20	23.75
FR1 n66	5	100.00%	23.60	18.60	17.90	22.30	23.10	22.40	23.60
FR1 n71	1	100.00%	24.00	22.30	21.60	26.10	26.80	26.10	24.00
FR1 n77/n78 PC3	7	100.00%	23.00	26.60	25.90	19.60	20.30	19.60	23.00
FR1 n77/n78 PC2	7	50.00%	22.00	26.60	25.90	19.60	20.30	19.60	22.00
FR1 n77/n78 PC1.5	7	25.00%	19.00	26.60	25.90	19.60	20.30	19.60	19.00
FR1 n77/n78 PC3	5	100.00%	23.70	18.10	17.40	22.10	22.80	22.10	23.70
FR1 n77/n78 PC2	5	50.00%	21.70	18.10	17.40	22.10	22.80	22.10	21.70
FR1 n77/n78 PC1.5	5	25.00%	18.70	18.10	17.40	22.10	22.80	22.10	18.70