

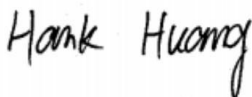
RF Exposure Report

(Part 0: SAR Char Evaluation)

APPLICANT : vivo Mobile Communication Co., Ltd.
EQUIPMENT : Mobile Phone
BRAND NAME : vivo
MODEL NAME : V2538
FCC ID : 2AUCY-V2538
STANDARD : FCC 47 CFR PART 2 (2.1093)

We, Sporton International Inc. (Shenzhen), 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. (Shenzhen), the test report shall not be reproduced except in full.



Approved by: Hank Huang

Sporton International Inc. (Shenzhen)
1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055
People's Republic of China



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History of this test report

Report No.	Version	Description	Issued Date
FA592520C	01	Initial issue of report	Nov. 25, 2025



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.

Note that WLAN/BT operations are not enabled with Smart Transmit.

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) version 23 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 Phone
Brand Name	vivo
Model Name	V2538
FCC ID	2AUCY-V2538
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 WCDMA Band XIX: 830 MHz ~ 845 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 17: 704 MHz ~ 716 MHz LTE Band 18: 815 MHz ~ 830 MHz LTE Band 19: 830 MHz ~ 845 MHz LTE Band 25: 1850 MHz ~ 1910 MHz LTE Band 26: 814 MHz ~ 849 MHz LTE Band 38: 2570 MHz ~ 2620 MHz LTE Band 41: 2496 MHz ~ 2690 MHz LTE Band 42: 3450 MHz ~ 3550 MHz LTE Band 66: 1710 MHz ~ 1780 MHz 5G NR n2: 1850 MHz ~ 1910 MHz 5G NR n5: 824 MHz ~ 849 MHz 5G NR n7: 2500 MHz ~ 2570 MHz 5G NR n25: 1850 MHz ~ 1910 MHz 5G NR n26: 814 MHz ~ 849 MHz 5G NR n38: 2570 MHz ~ 2620 MHz 5G NR n41: 2496 MHz ~ 2690 MHz 5G NR n66: 1710 MHz ~ 1780 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 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 supported) LTE: QPSK, 16QAM, 64QAM, 256QAM 5G NR: DFT-s-OFDM/CP-OFDM, Pi/2 BPSK/QPSK/16QAM/64QAM/256QAM WLAN 2.4GHz 802.11b/g/n HT20/HT40 WLAN 2.4GHz 802.11VHT20/VHT40 WLAN 2.4GHz 802.11ax HE20/HE40 WLAN 5GHz 802.11a/n HT20/HT40 WLAN 5GHz 802.11ac VHT20/VHT40/VHT80/VHT160 WLAN 5GHz 802.11ax HE20/HE40/HE80/HE160 Bluetooth BR/EDR/LE NFC: ASK

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.

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

$$SAR_{design\_target} < SAR_{regulatory\_limit} \times 10^{\frac{-total\ uncertainty}{10}}$$

3.1 SAR design target

SAR design Target :

Band	Antenna	DSI 2 1g SAR	DSI 3 1g SAR	DSI 4 1g SAR	DSI 5 1g SAR	DSI 6 1g SAR	DSI 7 1g SAR	DSI 4 10g SAR	DSI 5 10g SAR	DSI 6 10g SAR	DSI 7 10g SAR
GSM850	Ant 26	0.41	0.33	0.91	0.91	0.38	0.38	2.38	2.38	2.38	2.38
GSM850	Ant 11	0.41	0.27	0.34	0.91	0.74	0.74	0.87	2.38	2.38	0.54
GSM1900	Ant 13	0.63	0.47	0.91	0.91	0.31	0.31	2.38	2.38	2.38	2.38
GSM1900	Ant 41	0.91	0.91	0.91	0.91	0.24	0.24	2.38	2.38	2.38	2.38
WCDMA II	Ant 13	0.66	0.47	0.91	0.91	0.20	0.20	2.38	2.38	2.38	2.38
WCDMA II	Ant 41	0.91	0.91	0.19	0.91	0.32	0.32	2.38	2.38	2.38	2.38
WCDMA IV	Ant 13	0.62	0.44	0.56	0.56	0.30	0.30	2.38	2.38	2.38	2.38
WCDMA IV	Ant 41	0.91	0.91	0.25	0.91	0.29	0.29	2.38	2.38	2.38	2.38
WCDMA V	Ant 26	0.57	0.40	0.91	0.91	0.36	0.36	2.38	2.38	2.38	2.38
WCDMA V	Ant 11	0.65	0.46	0.61	0.91	0.61	0.61	1.70	2.38	2.38	0.69
WCDMA XIX	Ant 26	0.53	0.37	0.91	0.91	0.38	0.38	2.38	2.38	2.38	2.38
WCDMA XIX	Ant 11	0.68	0.48	0.61	0.91	0.72	0.72	1.67	2.38	2.38	0.69
LTE Band 2	Ant 13	0.68	0.37	0.91	0.91	0.21	0.21	2.38	2.38	2.38	2.38
LTE Band 2	Ant 41	0.91	0.91	0.18	0.91	0.28	0.28	2.38	2.38	2.38	2.38
LTE Band 2	Ant 12	0.60	0.48	0.16	0.91	0.34	0.34	2.38	2.38	2.38	2.38
LTE Band 2	Ant 25	0.79	0.24	0.15	0.91	0.18	0.18	2.38	2.38	2.38	2.38
LTE Band 4	Ant 13	0.66	0.52	0.91	0.91	0.25	0.25	2.38	2.38	2.38	2.38
LTE Band 4	Ant 41	0.91	0.91	0.26	0.91	0.34	0.34	2.38	2.38	2.38	2.38
LTE Band 4	Ant 12	0.51	0.41	0.11	0.91	0.21	0.21	2.38	2.38	2.38	2.38
LTE Band 4	Ant 25	0.77	0.24	0.21	0.91	0.19	0.19	2.38	2.38	2.38	2.38
LTE Band 5	Ant 26	0.53	0.38	0.91	0.91	0.45	0.45	2.38	2.38	2.38	2.38
LTE Band 5	Ant 11	0.57	0.45	0.98	0.98	0.65	0.65	1.82	2.55	2.55	0.69
LTE Band 7	Ant 13	0.47	0.38	0.51	0.51	0.19	0.19	2.38	1.63	0.28	2.38
LTE Band 7	Ant 41	0.98	0.98	0.14	0.98	0.25	0.25	2.55	2.55	2.55	2.55
LTE Band 7	Ant 12	0.52	0.41	0.26	0.91	0.35	0.35	2.38	2.38	2.38	2.38
LTE Band 7	Ant 25	0.75	0.25	0.15	0.91	0.21	0.21	2.38	2.38	2.38	2.38
LTE Band 12	Ant 26	0.52	0.42	0.91	0.91	0.53	0.53	2.38	2.38	2.38	2.38
LTE Band 12	Ant 11	0.55	0.45	0.26	0.91	0.32	0.32	2.38	2.38	2.38	2.38
LTE Band 13	Ant 26	0.91	0.91	0.91	0.91	0.91	0.91	2.38	2.38	2.38	2.38
LTE Band 13	Ant 11	0.61	0.45	0.91	0.91	0.48	0.48	2.06	2.38	2.38	0.66
LTE Band 17	Ant 26	0.52	0.42	0.91	0.91	0.53	0.53	2.38	2.38	2.38	2.38
LTE Band 17	Ant 11	0.55	0.45	0.26	0.91	0.32	0.32	2.38	2.38	2.38	2.38
LTE Band 18	Ant 26	0.68	0.49	0.91	0.91	0.34	0.34	2.38	2.38	2.38	2.38
LTE Band 18	Ant 11	0.57	0.45	0.98	0.98	0.65	0.65	2.01	2.55	2.55	0.78
LTE Band 19	Ant 26	0.60	0.48	0.91	0.91	0.34	0.34	2.38	2.38	2.38	2.38
LTE Band 19	Ant 11	0.57	0.45	0.98	0.98	0.65	0.65	1.84	2.55	2.55	0.73
LTE Band 25	Ant 13	0.68	0.37	0.91	0.91	0.29	0.29	2.38	1.38	0.27	2.38
LTE Band 25	Ant 41	0.91	0.91	0.18	0.91	0.28	0.28	2.38	2.38	2.38	2.38
LTE Band 25	Ant 12	0.60	0.48	0.16	0.91	0.34	0.34	2.38	2.38	2.38	2.38
LTE Band 25	Ant 25	0.79	0.24	0.15	0.91	0.18	0.18	2.38	2.38	2.38	2.38
LTE Band 26	Ant 26	0.53	0.38	0.91	0.91	0.34	0.34	2.38	2.38	2.38	2.38
LTE Band 26	Ant 11	0.57	0.45	0.47	0.98	0.65	0.65	1.63	2.55	2.55	0.74
LTE Band 66	Ant 13	0.66	0.52	0.91	0.91	0.25	0.25	2.38	0.87	0.22	2.38
LTE Band 66	Ant 41	0.91	0.91	0.26	0.91	0.32	0.32	2.38	2.38	2.38	2.38
LTE Band 66	Ant 12	0.51	0.41	0.11	0.91	0.17	0.17	2.38	2.38	2.38	2.38
LTE Band 66	Ant 25	0.57	0.27	0.12	0.91	0.16	0.16	2.38	2.38	2.38	2.38
LTE Band 38	Ant 13	0.65	0.50	0.52	0.52	0.17	0.17	2.38	2.38	2.38	2.38
LTE Band 38	Ant 41	0.91	0.91	0.17	0.91	0.27	0.27	2.38	2.38	2.38	2.38
LTE Band 38	Ant 12	0.50	0.40	0.91	0.91	0.38	0.38	2.38	2.38	2.38	2.38
LTE Band 38	Ant 25	0.49	0.28	0.91	0.91	0.21	0.21	2.38	2.38	2.38	2.38
LTE Band 41	Ant 13	0.65	0.50	0.52	0.52	0.17	0.17	2.38	1.75	0.25	2.38
LTE Band 41	Ant 41	0.91	0.91	0.17	0.91	0.25	0.25	2.38	2.38	2.38	2.38
LTE Band 41	Ant 12	0.50	0.40	0.91	0.91	0.30	0.30	2.38	2.38	2.38	2.38
LTE Band 41	Ant 25	0.49	0.28	0.11	0.91	0.19	0.19	2.38	2.38	2.38	2.38
LTE Band 42	Ant 13	0.51	0.41	0.91	0.91	0.19	0.19	2.38	2.38	2.38	2.38
LTE Band 42	Ant 25	0.42	0.30	0.91	0.91	0.39	0.39	2.38	2.38	2.38	2.38

LTE Band 42	Ant 12	0.26	0.19	0.14	0.91	0.16	0.16	2.38	2.38	2.38	2.38
LTE Band 42	Ant 22	0.64	0.29	0.15	0.91	0.24	0.24	2.38	2.38	2.38	2.38
FR1 n2	Ant 13	0.57	0.41	0.91	0.91	0.20	0.20	2.38	2.38	2.38	2.38
FR1 n2	Ant 41	0.91	0.91	0.17	0.91	0.28	0.28	2.38	2.38	2.38	2.38
FR1 n2	Ant 12	0.44	0.35	0.12	0.91	0.23	0.23	2.38	2.38	2.38	2.38
FR1 n2	Ant 25	0.58	0.22	0.10	0.91	0.13	0.13	2.38	2.38	2.38	2.38
FR1 n5	Ant 26	0.63	0.51	0.91	0.91	0.47	0.47	2.38	2.38	2.38	2.38
FR1 n5	Ant 11	0.62	0.43	0.52	0.91	0.75	0.75	1.72	2.38	2.38	0.75
FR1 n7	Ant 13	0.67	0.54	0.47	0.47	0.17	0.17	2.38	2.38	2.38	2.38
FR1 n7	Ant 41	0.91	0.91	0.15	0.91	0.31	0.31	2.38	2.38	2.38	2.38
FR1 n7	Ant 12	0.56	0.44	0.27	0.91	0.35	0.35	2.38	2.38	2.38	2.38
FR1 n7	Ant 25	0.51	0.25	0.13	0.91	0.21	0.21	2.38	2.38	2.38	2.38
FR1 n25	Ant 13	0.57	0.41	0.91	0.91	0.20	0.20	2.38	2.38	2.38	2.38
FR1 n25	Ant 41	0.91	0.91	0.17	0.91	0.28	0.28	2.38	2.38	2.38	2.38
FR1 n25	Ant 12	0.44	0.35	0.12	0.91	0.23	0.23	2.38	2.38	2.38	2.38
FR1 n25	Ant 25	0.58	0.22	0.10	0.91	0.13	0.13	2.38	2.38	2.38	2.38
FR1 n26	Ant 26	0.64	0.51	0.91	0.91	0.47	0.47	2.38	2.38	2.38	2.38
FR1 n26	Ant 11	0.62	0.43	0.47	0.91	0.63	0.63	1.72	2.38	2.38	0.74
FR1 n66	Ant 13	0.47	0.37	0.53	0.53	0.26	0.26	2.38	2.38	2.38	2.38
FR1 n66	Ant 41	0.91	0.91	0.24	0.91	0.34	0.34	2.38	2.38	2.38	2.38
FR1 n66	Ant 12	0.44	0.35	0.14	0.91	0.18	0.18	2.38	2.38	2.38	2.38
FR1 n66	Ant 25	0.77	0.23	0.13	0.91	0.21	0.21	2.38	2.38	2.38	2.38
FR1 n38	Ant 13	0.66	0.42	0.51	0.51	0.19	0.19	2.38	2.38	2.38	2.38
FR1 n38	Ant 41	0.91	0.24	0.16	0.91	0.28	0.28	2.38	2.38	2.38	2.38
FR1 n38	Ant 12	0.78	0.57	0.26	0.91	0.34	0.34	2.38	2.38	2.38	2.38
FR1 n38	Ant 25	0.65	0.26	0.12	0.91	0.23	0.23	2.38	2.38	2.38	2.38
FR1 n41_PC2	Ant 13	0.66	0.42	0.51	0.51	0.18	0.18	2.38	2.38	2.38	2.38
FR1 n41_PC3	Ant 13	0.66	0.42	0.51	0.51	0.18	0.18	2.38	2.38	2.38	2.38
FR1 n41_PC2	Ant 41	0.91	0.24	0.14	0.91	0.27	0.27	2.38	2.38	2.38	2.38
FR1 n41_PC3	Ant 41	0.91	0.24	0.14	0.91	0.27	0.27	2.38	2.38	2.38	2.38
FR1 n41_PC2	Ant 12	0.78	0.57	0.27	0.91	0.34	0.34	2.38	2.38	2.38	2.38
FR1 n41_PC3	Ant 12	0.78	0.57	0.27	0.91	0.34	0.34	2.38	2.38	2.38	2.38
FR1 n41_PC2	Ant 25	0.65	0.26	0.13	0.91	0.23	0.23	2.38	2.38	2.38	2.38
FR1 n41_PC3	Ant 25	0.65	0.26	0.13	0.91	0.23	0.23	2.38	2.38	2.38	2.38
FR1 n77_PC2	Ant 13	0.48	0.36	0.56	0.56	0.15	0.15	2.38	1.17	0.17	2.38
FR1 n77_PC3	Ant 13	0.48	0.36	0.56	0.56	0.15	0.15	2.38	1.17	0.17	2.38
FR1 n77_PC2	Ant 25	0.70	0.24	0.15	0.91	0.25	0.25	2.38	2.38	2.38	2.38
FR1 n77_PC3	Ant 25	0.70	0.24	0.15	0.91	0.25	0.25	2.38	2.38	2.38	2.38
FR1 n77_PC2	Ant 12	0.49	0.35	0.09	0.91	0.14	0.14	2.38	2.38	2.38	2.38
FR1 n77_PC3	Ant 12	0.49	0.35	0.09	0.91	0.14	0.14	2.38	2.38	2.38	2.38
FR1 n77_PC2	Ant 22	0.54	0.27	0.11	0.91	0.24	0.24	2.38	2.38	2.38	2.38
FR1 n77_PC3	Ant 22	0.54	0.27	0.11	0.91	0.24	0.24	2.38	2.38	2.38	2.38
FR1 n78_PC2	Ant 13	0.48	0.36	0.56	0.56	0.18	0.18	2.38	2.35	0.52	2.38
FR1 n78_PC3	Ant 13	0.48	0.36	0.56	0.56	0.18	0.18	2.38	2.35	0.52	2.38
FR1 n78_PC2	Ant 25	0.76	0.28	0.15	0.91	0.25	0.25	2.38	2.38	2.38	2.38
FR1 n78_PC3	Ant 25	0.76	0.28	0.15	0.91	0.25	0.25	2.38	2.38	2.38	2.38
FR1 n78_PC2	Ant 12	0.49	0.35	0.09	0.91	0.14	0.14	2.38	2.38	2.38	2.38
FR1 n78_PC3	Ant 12	0.49	0.35	0.09	0.91	0.14	0.14	2.38	2.38	2.38	2.38
FR1 n78_PC2	Ant 22	0.54	0.27	0.11	0.91	0.24	0.24	2.38	2.38	2.38	2.38
FR1 n78_PC3	Ant 22	0.54	0.27	0.11	0.91	0.24	0.24	2.38	2.38	2.38	2.38

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	DSI 2	DSI 3	DSI 4	DSI 5	DSI 6	DSI 7	Total Uncertainty dB (k=2)	Pmax*
GSM850	Ant 26	24.0	23.0	27.2	27.2	22.5	22.5	1.0	24.5
GSM850	Ant 11	20.3	19.0	23.0	25.5	21.0	21.0	1.0	25.0
GSM1900	Ant 13	18.3	17.0	25.3	25.3	19.3	19.3	1.0	21.0
GSM1900	Ant 41	33.5	33.5	29.1	29.1	18.5	18.5	1.0	21.5
WCDMA II	Ant 13	16.5	15.0	27.4	21.5	18.0	18.0	1.0	24.0
WCDMA II	Ant 41	32.1	32.1	20.2	20.2	17.2	17.2	1.0	24.7
WCDMA IV	Ant 13	15.5	14.0	23.0	21.0	18.0	18.0	1.0	24.0
WCDMA IV	Ant 41	32.1	32.1	20.7	20.7	17.2	17.2	1.0	24.7
WCDMA V	Ant 26	22.5	21.0	26.3	26.3	20.5	20.5	1.0	24.0
WCDMA V	Ant 11	19.7	18.7	24.2	24.2	20.2	20.2	1.0	24.7
WCDMA XIX	Ant 26	22.5	21.0	26.2	26.2	20.5	20.5	1.0	24.0
WCDMA XIX	Ant 11	19.7	18.7	24.2	24.2	20.2	20.2	1.0	24.7
LTE Band 2	Ant 13	16.5	14.5	24.4	21.0	18.0	18.0	1.0	24.0
LTE Band 2	Ant 41	32.0	32.0	20.0	20.0	16.5	16.5	1.0	24.5
LTE Band 2	Ant 12	14.5	13.5	20.0	20.0	17.0	17.0	1.0	23.5
LTE Band 2	Ant 25	17.0	13.5	20.5	20.5	17.0	17.0	1.0	22.5
LTE Band 4	Ant 13	16.0	14.5	25.7	21.0	18.0	18.0	1.0	24.0
LTE Band 4	Ant 41	32.0	32.0	21.0	21.0	18.0	18.0	1.0	24.5
LTE Band 4	Ant 12	15.5	14.5	20.0	20.0	17.0	17.0	1.0	23.5
LTE Band 4	Ant 25	18.0	13.0	21.5	21.5	18.0	18.0	1.0	22.5
LTE Band 5	Ant 26	23.0	22.0	27.2	27.2	21.5	21.5	1.0	24.5
LTE Band 5	Ant 11	20.0	18.5	27.6	27.6	21.0	21.0	0.7	25.0
LTE Band 7	Ant 13	12.5	11.5	22.0	17.5	14.5	14.5	1.0	24.0
LTE Band 7	Ant 41	31.6	31.6	20.0	20.0	16.5	16.5	0.7	25.0
LTE Band 7	Ant 12	15.0	14.0	21.5	21.5	19.0	19.0	1.0	23.5
LTE Band 7	Ant 25	16.5	12.0	20.5	20.5	17.5	17.5	1.0	22.5
LTE Band 12	Ant 26	21.5	20.5	28.2	28.2	21.5	21.5	1.0	24.0
LTE Band 12	Ant 11	21.5	20.5	23.0	23.0	19.0	19.0	1.0	24.5
LTE Band 13	Ant 26	27.5	27.5	30.6	30.6	26.4	26.4	1.0	24.0
LTE Band 13	Ant 11	20.5	19.0	26.3	26.3	19.5	19.5	1.0	24.5
LTE Band 17	Ant 26	21.5	20.5	28.2	28.2	21.5	21.5	1.0	24.0
LTE Band 17	Ant 11	21.5	20.5	23.0	23.0	19.0	19.0	1.0	24.5
LTE Band 18	Ant 26	23.5	22.0	27.2	27.2	22.5	22.5	1.0	24.5
LTE Band 18	Ant 11	20.0	18.5	27.6	27.6	21.0	21.0	0.7	25.0
LTE Band 19	Ant 26	23.5	22.5	27.2	27.2	21.5	21.5	1.0	24.5
LTE Band 19	Ant 11	20.0	19.0	27.6	27.6	21.0	21.0	0.7	25.0
LTE Band 25	Ant 13	16.5	14.5	24.4	20.0	17.0	17.0	1.0	24.0
LTE Band 25	Ant 41	32.0	32.0	20.0	20.0	17.0	17.0	1.0	24.5
LTE Band 25	Ant 12	15.5	14.5	20.5	20.5	17.5	17.5	1.0	23.5
LTE Band 25	Ant 25	18.5	13.5	22.0	22.0	18.5	18.5	1.0	22.5
LTE Band 26	Ant 26	23.0	21.5	27.2	27.2	21.0	21.0	1.0	24.5
LTE Band 26	Ant 11	20.0	19.0	24.5	24.5	21.0	21.0	0.7	25.0
LTE Band 66	Ant 13	16.0	15.0	25.7	21.5	18.0	18.0	1.0	24.0
LTE Band 66	Ant 41	32.0	32.0	21.0	21.0	17.5	17.5	1.0	24.5
LTE Band 66	Ant 12	15.5	14.5	20.0	20.0	16.5	16.5	1.0	23.5
LTE Band 66	Ant 25	17.0	13.0	21.0	21.0	17.5	17.5	1.0	22.5



LTE Band 38	Ant 13	12.7	11.7	21.2	16.7	13.2	13.2	1.0	22.2
LTE Band 38	Ant 41	30.7	30.7	20.2	20.2	17.2	17.2	1.0	22.7
LTE Band 38	Ant 12	14.2	13.2	27.5	27.5	18.2	18.2	1.0	21.2
LTE Band 38	Ant 25	16.7	15.7	29.9	29.9	17.2	17.2	1.0	20.2
LTE Band 41	Ant 13	12.7	11.7	21.7	16.7	13.2	13.2	1.0	22.2
LTE Band 41	Ant 41	30.7	30.7	20.2	20.2	16.7	16.7	1.0	22.7
LTE Band 41	Ant 12	14.2	13.2	27.5	27.5	17.7	17.7	1.0	21.2
LTE Band 41	Ant 25	16.7	14.2	19.7	19.7	16.7	16.7	1.0	20.2
LTE Band 42	Ant 13	13.5	12.5	26.0	19.0	16.0	16.0	1.0	22.5
LTE Band 42	Ant 25	15.5	14.0	27.6	27.6	18.0	18.0	1.0	19.0
LTE Band 42	Ant 12	15.0	13.5	19.5	19.5	16.5	16.5	1.0	22.0
LTE Band 42	Ant 22	13.0	10.0	17.0	17.0	14.0	14.0	1.0	20.0
FR1 n2	Ant 13	16.0	14.5	27.1	21.5	18.0	18.0	1.0	24.0
FR1 n2	Ant 41	31.5	31.5	19.5	19.5	16.5	16.5	1.0	24.5
FR1 n2	Ant 12	14.5	13.5	20.0	20.0	17.0	17.0	1.0	23.5
FR1 n2	Ant 25	16.5	12.5	20.5	20.5	16.5	16.5	1.0	22.5
FR1 n5	Ant 26	23.5	22.0	30.2	30.2	22.0	22.0	1.0	24.5
FR1 n5	Ant 11	19.5	18.5	24.5	24.5	21.0	21.0	1.0	25.0
FR1 n7	Ant 13	13.0	12.0	21.0	17.0	14.0	14.0	1.0	24.0
FR1 n7	Ant 41	29.9	29.9	19.5	19.5	16.5	16.5	1.0	24.5
FR1 n7	Ant 12	14.0	13.0	21.5	21.5	19.0	19.0	1.0	23.5
FR1 n7	Ant 25	16.0	13.0	20.0	20.0	16.5	16.5	1.0	22.5
FR1 n25	Ant 13	16.0	14.5	27.1	21.5	18.0	18.0	1.0	24.0
FR1 n25	Ant 41	31.5	31.5	19.5	19.5	16.5	16.5	1.0	24.5
FR1 n25	Ant 12	14.5	13.5	20.0	20.0	17.0	17.0	1.0	23.5
FR1 n25	Ant 25	16.5	12.5	20.5	20.5	16.5	16.5	1.0	22.5
FR1 n26	Ant 26	23.0	22.0	30.2	30.2	22.0	22.0	1.0	24.5
FR1 n26	Ant 11	20.0	19.0	24.0	24.0	20.5	20.5	1.0	25.0
FR1 n66	Ant 13	15.0	14.0	23.0	20.5	17.5	17.5	1.0	24.0
FR1 n66	Ant 41	31.5	31.5	20.5	20.5	18.0	18.0	1.0	24.5
FR1 n66	Ant 12	15.5	14.5	20.5	20.5	17.0	17.0	1.0	23.5
FR1 n66	Ant 25	18.0	13.0	21.5	21.5	18.5	18.5	1.0	22.5
FR1 n38	Ant 13	13.2	11.7	20.2	16.7	13.7	13.7	1.0	24.2
FR1 n38	Ant 41	28.0	28.0	20.2	20.2	17.2	17.2	1.0	24.7
FR1 n38	Ant 12	14.2	12.7	21.2	21.2	18.2	18.2	1.0	23.2
FR1 n38	Ant 25	17.2	13.2	20.2	20.2	17.2	17.2	1.0	22.2
FR1 n41_PC2	Ant 13	13.5	11.5	20.5	16.0	13.0	13.0	1.0	26.0
FR1 n41_PC3	Ant 13							1.0	24.2
FR1 n41_PC2	Ant 41	28.0	24.7	19.5	19.5	16.5	16.5	1.0	26.5
FR1 n41_PC3	Ant 41							1.0	24.7
FR1 n41_PC2	Ant 12	15.0	13.5	21.0	21.0	18.5	18.5	1.0	25.5
FR1 n41_PC3	Ant 12							1.0	23.7
FR1 n41_PC2	Ant 25	17.5	13.5	19.5	19.5	16.5	16.5	1.0	24.5
FR1 n41_PC3	Ant 25							1.0	22.7
FR1 n77_PC2	Ant 13	14.5	13.0	23.0	18.0	14.5	14.5	1.0	25.5
FR1 n77_PC3	Ant 13							1.0	24.0
FR1 n77_PC2	Ant 25	15.0	10.5	19.0	19.0	16.0	16.0	1.0	21.5
FR1 n77_PC3	Ant 25							1.0	20.0
FR1 n77_PC2	Ant 12	15.5	14.0	17.0	17.0	14.0	14.0	1.0	25.0
FR1 n77_PC3	Ant 12							1.0	23.5
FR1 n77_PC2	Ant 22	13.0	10.5	16.5	16.5	13.5	13.5	1.0	22.5
FR1 n77_PC3	Ant 22							1.0	21.0
FR1 n78_PC2	Ant 13	14.5	13.0	22.5	19.0	16.0	16.0	1.0	26.5
FR1 n78_PC3	Ant 13							1.0	24.0
FR1 n78_PC2	Ant 25	15.5	11.0	18.0	18.0	15.0	15.0	1.0	22.5
FR1 n78_PC3	Ant 25							1.0	20.0

FR1 n78_PC2	Ant 12	14.0	12.5	17.0	17.0	14.0	14.0	1.0	26.0
FR1 n78_PC3	Ant 12							1.0	23.5
FR1 n78_PC2	Ant 22	13.0	11.0	16.5	16.5	13.5	13.5	1.0	23.5
FR1 n78_PC3	Ant 22							1.0	21.0

Note: 1) *P_{max} is used for RF tune up procedure. The maximum allowed output power is equal to P_{max} +total 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) 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 HPUE	100%	0.0

-----THE END-----