



RF Exposure Report

(Part 0: SAR and PD Characterization Evaluation)

FCC ID : A4RG45RY
Equipment : Phone
Model Name : G45RY, GYPW4
Applicant : Google LLC
1600 Amphitheatre Parkway,
Mountain View, CA, 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.

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Table of Contents

1. Introduction	4
2. SAR Characterization.....	5
2.1 SAR design target and uncertainty.....	5
2.2 SAR Characterization – Power Table	8



History of this test report

Report No.	Version	Description	Issued Date
FA4N0918-01A	01	Initial issue of report	May 05, 2025
FA4N0918-01A	02	Update section 2	May 06, 2025
FA4N0918-01A	03	Update section 2	May 12, 2025

1. Introduction

The 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 Spatial Time Average SAR (S-TAS) with Non-Terrestrial Networks 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	Mode	Antenna	Duty cycle	Head		Hotspot	Body-worn		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	Ant0	12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 2TX		25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 3TX		37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 4TX		50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 1TX		12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 2TX		25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 3TX		37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 4TX		50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900	GSM/GPRS 1TX	Ant2	12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 2TX		25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 3TX		37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 4TX		50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 1TX		12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 2TX		25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 3TX		37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 4TX		50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
WCDMA B2	R99/HSPA	Ant2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
WCDMA B4	R99/HSPA	Ant2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
WCDMA B5	R99/HSPA	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B7	PC3	Ant2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B12/B17	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B13	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B14	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B25/B2	PC3	Ant2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B25/B2	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B26/B5	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B30	PC3	Ant2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B41/B38	PC3	Ant2	63.30%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B41/B38	PC2	Ant2	43.30%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B48	PC3	Ant6	63.30%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B66/B4	PC3	Ant2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B66/B4	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B71	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n7	PC3	Ant2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n12	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n14	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n25/n2	PC3	Ant2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n25/n2	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00



FR1 n26/n5	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n30	PC3	Ant2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41/n38	PC3	Ant2	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41	PC2	Ant2	50.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41	PC1.5	Ant2	25.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41/n38	PC3	Ant1	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41	PC2	Ant1	50.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41	PC1.5	Ant1	25.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n66	PC3	Ant2	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n66	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n71	PC3	Ant0	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n77/n78	PC3	Ant6	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n77/n78	PC2	Ant6	50.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
FR1 n77/n78	PC1.5	Ant6	25.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
FR1 n77/n78	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n77/n78	PC2	Ant1	50.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
FR1 n77/n78	PC1.5	Ant1	25.00%	0.75	0.64	0.64	0.75	0.64	2.5	2.12	1.20
NTN B23	PC3	Ant1	83.00%				0.79		1.98		1.00
NTN B255	PC3	Ant4	83.00%				0.83		2.07		0.80

Wireless technology	Mode	Antenna	Duty cycle	Head		Hotspot	Body-worn		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	Ant1	12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 2TX		25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 3TX		37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	GPRS 4TX		50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 1TX		12.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 2TX		25.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 3TX		37.50%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
	EDGE 4TX		50.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
GSM1900	GSM/GPRS 1TX	Ant0	12.50%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
	GPRS 2TX		25.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
	GPRS 3TX		37.50%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
	GPRS 4TX		50.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
	EDGE 1TX		12.50%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
	EDGE 2TX		25.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
	EDGE 3TX		37.50%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
	EDGE 4TX		50.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
WCDMA B2	R99/HSPA	Ant0	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
WCDMA B4	R99/HSPA	Ant0	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
WCDMA B5	R99/HSPA	Ant1	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B7	PC3	Ant0	100.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
LTE B12/B17	PC3	Ant1	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B13	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B14	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
LTE B25/B2	PC3	Ant0	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B25/B2	PC3	Ant5	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B26/B5	PC3	Ant1	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
LTE B30	PC3	Ant0	100.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
LTE B41/B38	PC3	Ant0	63.30%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B41/B38	PC2	Ant0	43.30%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
LTE B48	PC3	Ant7	63.30%	0.72	0.61	0.61	0.72	0.61	2.39	2.02	1.40
LTE B66/B4	PC3	Ant0	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90



LTE B66/B4	PC3	Ant5	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
LTE B71	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n7	PC3	Ant0	100.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
FR1 n12	PC3	Ant1	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n14	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n25/n2	PC3	Ant0	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n25/n2	PC3	Ant5	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n26/n5	PC3	Ant1	100.00%	0.85	0.72	0.72	0.85	0.72	2.8	2.38	0.70
FR1 n30	PC3	Ant0	100.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
FR1 n41/n38	PC3	Ant0	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n41	PC2	Ant0	50.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
FR1 n41	PC1.5	Ant0	25.00%	0.77	0.66	0.66	0.77	0.66	2.56	2.17	1.10
FR1 n41/n38	PC3	Ant5	100.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
FR1 n41	PC2	Ant5	50.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
FR1 n41	PC1.5	Ant5	25.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
FR1 n66	PC3	Ant0	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n66	PC3	Ant5	100.00%	0.81	0.69	0.69	0.81	0.69	2.68	2.27	0.90
FR1 n71	PC3	Ant1	100.00%	0.79	0.67	0.67	0.79	0.67	2.62	2.22	1.00
FR1 n77/n78	PC3	Ant7	100.00%	0.72	0.61	0.61	0.72	0.61	2.39	2.02	1.40
FR1 n77/n78	PC2	Ant7	50.00%	0.7	0.6	0.6	0.7	0.6	2.33	1.98	1.50
FR1 n77/n78	PC1.5	Ant7	25.00%	0.7	0.6	0.6	0.7	0.6	2.33	1.98	1.50
FR1 n77/n78	PC3	Ant5	100.00%	0.74	0.63	0.63	0.74	0.63	2.44	2.07	1.30
FR1 n77/n78	PC2	Ant5	50.00%	0.7	0.6	0.6	0.7	0.6	2.33	1.98	1.50
FR1 n77/n78	PC1.5	Ant5	25.00%	0.7	0.6	0.6	0.7	0.6	2.33	1.98	1.50

2.2 SAR Characterization – Power Table

1. The P_{limit} values correspond to SAR_{design target}.
2. GSM 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 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, FR1 and NTN: 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 (No Accounting duty cycle)	Mode	Duty Cycle %	Antenna	Maximum 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 1TX	12.50%	Ant0	32.50	30.50	29.80	33.90	34.60	33.90	32.50
	GPRS 1TX	12.50%		32.50	38.80	38.10	33.90	34.60	33.90	32.50
	GPRS 2TX	25.00%		31.50	35.80	35.10	30.90	31.60	30.90	31.50
	GPRS 3TX	37.50%		30.50	34.00	33.30	29.10	29.80	29.10	30.50
	GPRS 4TX	50.00%		29.50	32.80	32.10	27.90	28.60	27.90	29.50
	EDGE 1TX	12.50%		26.50	38.80	38.10	33.90	34.60	33.90	26.50
	EDGE 2TX	25.00%		25.50	35.80	35.10	30.90	31.60	30.90	25.50
	EDGE 3TX	37.50%		24.50	34.00	33.30	29.10	29.80	29.10	24.50
	EDGE 4TX	50.00%		23.50	32.80	32.10	27.90	28.60	27.90	23.50
GSM850	GSM 1TX	12.50%	Ant1	32.20	30.20	29.00	32.90	33.60	32.90	32.20
	GPRS 1TX	12.50%		32.20	31.50	30.30	32.90	33.60	32.90	32.20
	GPRS 2TX	25.00%		31.20	28.50	27.30	29.90	30.60	29.90	31.20
	GPRS 3TX	37.50%		30.20	26.70	25.50	28.10	28.80	28.10	30.20
	GPRS 4TX	50.00%		29.20	25.50	24.30	26.90	27.60	26.90	29.20
	EDGE 1TX	12.50%		26.20	31.50	30.30	32.90	33.60	32.90	26.20
	EDGE 2TX	25.00%		25.20	28.50	27.30	29.90	30.60	29.90	25.20
	EDGE 3TX	37.50%		24.20	26.70	25.50	28.10	28.80	28.10	24.20
	EDGE 4TX	50.00%		23.20	25.50	24.30	26.90	27.60	26.90	23.20
GSM1900	GSM/GPRS 1TX	12.50%	Ant2	29.50	36.90	36.20	28.50	29.20	28.50	29.50
	GPRS 2TX	25.00%		28.00	33.90	33.20	25.50	26.20	25.50	28.00
	GPRS 3TX	37.50%		27.50	32.10	31.40	23.70	24.40	23.70	27.50
	GPRS 4TX	50.00%		26.50	30.90	30.20	22.50	23.20	22.50	26.50
	EDGE 1TX	12.50%		25.50	36.90	36.20	28.50	29.20	28.50	25.50
	EDGE 2TX	25.00%		24.50	33.90	33.20	25.50	26.20	25.50	24.50
	EDGE 3TX	37.50%		23.50	32.10	31.40	23.70	24.40	23.70	23.50
	EDGE 4TX	50.00%		22.50	30.90	30.20	22.50	23.20	22.50	22.50
GSM1900	GSM/GPRS 1TX	12.50%	Ant0	29.30	44.50	43.80	26.30	28.10	27.40	29.30
	GPRS 2TX	25.00%		27.80	41.50	40.80	23.30	25.10	24.40	27.80
	GPRS 3TX	37.50%		27.30	39.70	39.00	21.50	23.30	22.60	27.30
	GPRS 4TX	50.00%		26.30	38.50	37.80	20.30	22.10	21.40	26.30
	EDGE 1TX	12.50%		25.30	44.50	43.80	26.30	28.10	27.40	25.30
	EDGE 2TX	25.00%		24.30	41.50	40.80	23.30	25.10	24.40	24.30
	EDGE 3TX	37.50%		23.30	39.70	39.00	21.50	23.30	22.60	23.30
	EDGE 4TX	50.00%		22.30	38.50	37.80	20.30	22.10	21.40	22.30



Wireless technology (Accounting duty cycle)	Mode	Duty Cycle %	Antenna	Maximum 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	R99	100.00%	Ant2	24.00	27.60	26.90	21.40	22.10	21.40	24.00
WCDMA B2	R99	100.00%	Ant0	23.80	35.40	34.70	17.10	20.10	19.40	23.80
WCDMA B4	R99	100.00%	Ant2	24.00	28.20	27.50	21.70	22.40	21.70	24.00
WCDMA B4	R99	100.00%	Ant0	23.80	32.90	32.20	17.80	19.70	19.00	23.80
WCDMA B5	R99	100.00%	Ant0	24.30	29.90	29.20	25.30	26.00	25.30	24.30
WCDMA B5	R99	100.00%	Ant1	24.00	23.20	22.20	25.70	26.40	25.70	24.00
LTE B7	PC3	100.00%	Ant2	24.10	25.50	24.80	20.00	20.70	20.00	24.10
LTE B7	PC3	100.00%	Ant0	23.90	32.60	31.90	19.50	21.10	20.40	23.90
LTE B12/B17	PC3	100.00%	Ant0	24.30	30.50	29.80	26.50	27.70	27.00	24.30
LTE B12/B17	PC3	100.00%	Ant1	24.00	23.90	22.70	25.40	26.10	25.40	24.00
LTE B13	PC3	100.00%	Ant0	24.30	29.80	29.10	23.50	26.90	26.20	24.30
LTE B13	PC3	100.00%	Ant1	24.00	23.30	22.60	25.10	25.80	25.10	24.00
LTE B14	PC3	100.00%	Ant0	24.30	29.50	28.80	23.50	26.10	25.40	24.30
LTE B14	PC3	100.00%	Ant1	24.00	22.70	22.00	25.20	25.90	25.20	24.00
LTE B25/B2	PC3	100.00%	Ant2	24.00	27.50	26.80	20.80	21.50	20.80	24.00
LTE B25/B2	PC3	100.00%	Ant0	23.80	34.00	33.30	17.00	19.50	18.80	23.80
LTE B25/B2	PC3	100.00%	Ant1	24.00	16.30	15.40	21.10	21.80	21.10	24.00
LTE B25/B2	PC3	100.00%	Ant5	23.60	18.60	17.90	22.50	23.70	23.00	23.60
LTE B26/B5	PC3	100.00%	Ant0	24.30	29.20	28.50	25.90	26.70	26.00	24.30
LTE B26/B5	PC3	100.00%	Ant1	24.00	22.90	21.90	24.90	25.60	24.90	24.00
LTE B30	PC3	100.00%	Ant2	23.70	26.00	25.30	19.30	20.00	19.30	23.70
LTE B30	PC3	100.00%	Ant0	23.50	32.70	32.00	17.80	20.40	19.70	23.50
LTE B41/B38	PC3	63.30%	Ant2	22.10	26.00	25.30	20.90	21.60	20.90	22.10
LTE B41/B38	PC2	43.30%	Ant2	22.40	26.00	25.30	20.90	21.60	20.90	22.40
LTE B41/B38	PC3	63.30%	Ant0	22.10	33.20	32.50	20.20	21.90	21.20	22.10
LTE B41/B38	PC2	43.30%	Ant0	22.40	33.20	32.50	20.20	21.90	21.20	22.40
LTE B48	PC3	63.30%	Ant6	22.00	27.50	26.80	19.80	20.50	19.80	22.00
LTE B48	PC3	63.30%	Ant7	18.80	26.10	25.40	18.00	18.70	18.00	18.80
LTE B66/B4	PC3	100.00%	Ant2	24.00	27.80	27.10	21.00	21.70	21.00	24.00
LTE B66/B4	PC3	100.00%	Ant0	23.80	36.20	35.50	17.30	18.90	18.20	23.80
LTE B66/B4	PC3	100.00%	Ant1	24.00	17.40	16.20	21.60	22.30	21.60	24.00
LTE B66/B4	PC3	100.00%	Ant5	23.60	18.80	18.10	23.60	25.00	24.30	23.60
LTE B71	PC3	100.00%	Ant0	24.30	32.20	31.50	26.70	27.40	26.70	24.30
LTE B71	PC3	100.00%	Ant1	24.00	24.00	22.80	25.90	26.60	25.90	24.00
FR1 n7	PC3	100.00%	Ant2	24.10	25.60	24.90	20.30	21.00	20.30	24.10
FR1 n7	PC3	100.00%	Ant0	23.90	33.30	32.60	19.50	21.30	20.60	23.90
FR1 n12	PC3	100.00%	Ant0	24.30	30.60	29.90	26.10	27.20	26.50	24.30
FR1 n12	PC3	100.00%	Ant1	24.00	24.70	24.00	25.60	26.30	25.60	24.00
FR1 n14	PC3	100.00%	Ant0	24.30	29.50	28.80	23.70	26.80	26.10	24.30
FR1 n14	PC3	100.00%	Ant1	24.00	22.90	21.70	26.10	26.80	26.10	24.00
FR1 n25/n2	PC3	100.00%	Ant2	24.00	27.80	27.10	21.10	21.80	21.10	24.00
FR1 n25/n2	PC3	100.00%	Ant0	23.80	34.90	34.20	17.50	19.60	18.90	23.80
FR1 n25/n2	PC3	100.00%	Ant1	24.00	17.00	15.80	21.50	22.20	21.50	24.00
FR1 n25/n2	PC3	100.00%	Ant5	23.60	18.90	18.20	23.30	24.60	23.90	23.60
FR1 n26/n5	PC3	100.00%	Ant0	24.30	29.30	28.60	25.40	26.60	25.90	24.30
FR1 n26/n5	PC3	100.00%	Ant1	24.00	22.90	22.20	25.10	25.80	25.10	24.00
FR1 n30	PC3	100.00%	Ant2	23.70	26.60	25.90	20.20	20.90	20.20	23.70
FR1 n30	PC3	100.00%	Ant0	23.50	32.90	32.20	17.70	20.20	19.50	23.50
FR1 n41/n38	PC3	100.00%	Ant2	24.10	25.80	25.10	20.30	21.00	20.30	24.10
FR1 n41	PC2	50.00%	Ant2	23.00	25.80	25.10	20.30	21.00	20.30	23.00
FR1 n41	PC1.5	25.00%	Ant2	20.00	25.80	25.10	20.30	21.00	20.30	20.00



FR1 n41/n38	PC3	100.00%	Ant0	24.10	32.80	32.10	20.20	21.70	21.00	24.10
FR1 n41	PC2	50.00%	Ant0	23.00	32.80	32.10	20.20	21.70	21.00	23.00
FR1 n41	PC1.5	25.00%	Ant0	20.00	32.80	32.10	20.20	21.70	21.00	20.00
FR1 n41/n38	PC3	100.00%	Ant1	24.10	18.00	17.30	20.80	22.20	21.50	24.10
FR1 n41	PC2	50.00%	Ant1	23.00	18.00	17.30	20.80	22.20	21.50	23.00
FR1 n41	PC1.5	25.00%	Ant1	20.00	18.00	17.30	20.80	22.20	21.50	20.00
FR1 n41/n38	PC3	100.00%	Ant5	23.70	17.90	17.20	22.20	23.20	22.50	23.70
FR1 n41	PC2	50.00%	Ant5	22.60	17.90	17.20	22.20	23.20	22.50	22.60
FR1 n41	PC1.5	25.00%	Ant5	19.60	17.90	17.20	22.20	23.20	22.50	19.60
FR1 n66	PC3	100.00%	Ant2	24.00	28.60	27.90	21.60	22.30	21.60	24.00
FR1 n66	PC3	100.00%	Ant0	23.80	35.40	34.70	18.20	19.60	18.90	23.80
FR1 n66	PC3	100.00%	Ant1	24.00	17.50	16.30	22.20	23.00	22.30	24.00
FR1 n66	PC3	100.00%	Ant5	23.60	19.50	18.30	23.10	25.30	24.60	23.60
FR1 n71	PC3	100.00%	Ant0	24.30	32.80	32.10	27.50	28.20	27.50	24.30
FR1 n71	PC3	100.00%	Ant1	24.00	23.20	22.00	25.90	26.60	25.90	24.00
FR1 n77/n78	PC3	100.00%	Ant6	24.00	27.90	27.20	19.60	20.30	19.60	24.00
FR1 n77/n78	PC2	50.00%	Ant6	23.00	27.90	27.20	19.60	20.30	19.60	23.00
FR1 n77/n78	PC1.5	25.00%	Ant6	19.50	27.90	27.20	19.60	20.30	19.60	19.50
FR1 n77/n78	PC3	100.00%	Ant7	23.00	23.30	22.10	17.50	18.20	17.50	23.00
FR1 n77/n78	PC2	50.00%	Ant7	22.20	23.30	22.10	17.50	18.20	17.50	22.20
FR1 n77/n78	PC1.5	25.00%	Ant7	18.50	23.30	22.10	17.50	18.20	17.50	18.50
FR1 n77/n78	PC3	100.00%	Ant1	24.00	15.40	14.70	19.20	20.40	19.70	24.00
FR1 n77/n78	PC2	50.00%	Ant1	23.00	15.40	14.70	19.20	20.40	19.70	23.00
FR1 n77/n78	PC1.5	25.00%	Ant1	19.50	15.40	14.70	19.20	20.40	19.70	19.50
FR1 n77/n78	PC3	100.00%	Ant5	23.70	18.20	17.10	24.10	24.80	24.10	23.70
FR1 n77/n78	PC2	50.00%	Ant5	22.70	18.20	17.10	24.10	24.80	24.10	22.70
FR1 n77/n78	PC1.5	25.00%	Ant5	19.20	18.20	17.10	24.10	24.80	24.10	19.20
NTN B23	PC3	83.00%	Ant1	21.70				21.30		21.70
NTN B255	PC3	83.00%	Ant4	22.70				23.00		22.70