



**RF SAFETY
LAB**

A NEXT GENERATION
TEST LABORATORY™

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PART 0 RF EXPOSURE REPORT

FCC ID:	A3LSMS741U
Model (s):	SM-S741U, SM-S741U1
Device Type:	Portable Handset
Report Issue Date:	July 28, 2026

Samsung Electronics Co., Ltd.

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Suwon-si, Gyeonggi-do, 16677, Rep.
of Korea

Certification

The measurement evaluations presented in this report are based on the maximum performance of the tested device(s), which has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/ general population exposure federal limits in 47CFR § 1.1310 and has been tested in accordance with the measurement procedures specified within this report.

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This document has been revised and replaces all previously issued versions of this document with the same Test Report S/N.



Steve Liu
President



Table of Contents

- 1. DUT Specifics.....3
- 2. SAR Characterization.....4
- 3. SAR results8
- 4. Equipment List9

1. DUT Specifics

1.1. Device under Test

The device under test is a wireless device, incorporating the technologies listed in Part 1 RF Exposure report. This device uses the S.LSI feature to control and manage transmitting at all times for WWAN operations and FastConnect for WLAN operations. Additionally, this device support NFC/WPC/BT technologies, but the output power of these modes are not controlled by the S.LSI and FastConnect algorithm.

RF Exposure Part 1 report in this report refers to report SN: 2026.014.01

1.2. Time-Averaging Algorithm for RF Exposure Compliance

This device is enabled with the S.LSI and FastConnect feature. This feature implements a time-averaging algorithm in real time to control and manage transmitting power and ensure the time-averaged RF exposure is in compliance with FCC requirements all the time.

This Part 0 report shows SAR characterization of S.LSI and FastConnect enabled radios. Characterization is achieved by determining P_{Limit} for those radios that corresponds to the exposure design targets after accounting for all device design related uncertainty. The SAR characterization is denoted as SAR Char in this report.

1.3. Nomenclature

Technology	Term	Description
Sub6 WWAN/WLAN	P_{limit}	Power level that corresponds to the exposure design target (<i>SAR_design_target</i>) after accounting for all device design related uncertainties
	P_{max}	Maximum tune-up output power
	<i>SAR_design_target</i>	Target SAR level < FCC SAR limit after accounting for all device design related uncertainties
	<i>SAR Char</i>	Table containing P_{limit} for all technologies and bands



2. SAR Characterization

2.1. Device State and SAR Determination

This device uses different Device State Index (DSI/RSI) to configure different time averaged power levels based on certain exposure scenarios. Depending on the detection scheme implemented in the smartphone, the worst-case SAR was determined by measurements for the relevant exposure conditions for that DSI/RSI. Detailed descriptions of the detection mechanisms are included in the operational description.

When 1g SAR and 10g SAR exposure comparison is needed, the worst-case was determined from SAR normalized to 1g or 10g SAR limit.

The device state conditions used in Table 3-1 represent different exposure scenarios.

Table 2-1

Scenario	Description	SAR Test Cases
Head (DSI = 1) for FastConnect (RSI = 1) for S.LSI	- Device positioned next to ear - Receiver Active	Head SAR per KDB Publication 648474 D04
Body-worn (DSI = 0) for FastConnect (RSI = 0) for S.LSI	Device being used with a body-worn accessory	Body-worn SAR per KDB Publication 648474 D04
Hotspot (DSI = 0) for FastConnect (RSI = 0) for S.LSI	- Device transmits in hotspot mode near body - Hotspot Mode Active	Hotspot SAR per KDB Publication 941225 D06
Phablet (DSI = 0) for FastConnect (RSI = 0) for S.LSI	Device is held to hand	Phablet SAR per KDB Publication 648474 D04 & KDB Publication 616217 D04

2.2. SAR design Target

SAR_{design_target} is determined by ensuring that it is less than FCC SAR limit after accounting for total device designed related uncertainties specified by the manufacturer.

Table 2-2

SAR _{design_target}			
$SAR_{design_target} < SAR_{regulatory_limit} \times 10^{\frac{-Total\ Uncertainty}{10}}$			
1g SAR		10g SAR	
Total Uncertainty	1.0 dB	Total Uncertainty	1.0 dB
SAR _{regulatory_limit}	1.6 W/kg	SAR _{regulatory_limit}	4.0 W/kg
SAR _{design_target}	1.0 W/kg	SAR _{design_target}	2.5 W/kg



2.3. SAR Char

SAR test results corresponding to P_{max} for each antenna/technology/band/DSI/RSI can be found in Part 1 report and SAR results section in this report.

P_{limit} is calculated by linearly scaling with the measured SAR at the P_{part0} to correspond to the SAR_design_target. When $P_{limit} < P_{max}$, P_{part0} was used as P_{limit} in the S.LSI/FastConnect. When $P_{limit} > P_{max}$ and $P_{part0}=P_{max}$, calculated P_{limit} was used in the S.LSI/FastConnect. All reported SAR obtained from the P_{part0} SAR tests was less than SAR_Design_target+ 1 dB Uncertainty. The final P_{limit} determination for each exposure scenario corresponding to SAR_design_target is shown in the below table.

Table 2-3

Device State DSI or RSI	P_{limit} Determination Scenarios
0	The worst-case SAR exposure is determined as maximum SAR normalized to the limit (i.e. lowest P_{limit}) among: 1. Body-worn SAR 2. Hotspot SAR 3. Phablet SAR
1	P_{limit} is calculated based on Head SAR

Notes:

- When $P_{max} < P_{limit}$ EFS, the DUT will operate at a power level up to P_{max}
- All P_{limit} EFS and maximum tune up output power P_{max} levels entered in below Table correspond to average power levels after accounting for duty cycle in the case of TDD, GMSK, or OFDM modulation schemes (e.g. GSM, LTE TDD and WLAN).
- Maximum tune up output power P_{max} is used to configure EUT during RF tune up procedure. The maximum allowed output power is equal to maximum Tune up output power + 1dB device design uncertainty.
- All MIMO P_{max} and P_{limit} are defined per antenna chain



Table 2-4 S.LSI SAR Char

Band/Mode	SRS #	Antenna	Antenna Group	Exposure Scenario		Body-worn/ Hotspot/ Phablet	Head
				Maximum Tune-Up Output Power		RSI 0	RSI 1
				Pmax Burst (dBm)	Pmax Frame Avg (dBm)		
GSM 850	-	A	AG0	32.5	24.3	20.3	27.4
GSM 850	-	E	AG1	32.0	23.3	19.8	19.8
GSM 1900	-	A	AG0	29.5	20.8	16.3	26.6
UMTS Band 5	-	A	AG0	24.0	24.0	21.5	27.0
UMTS Band 5	-	E	AG1	23.0	23.0	19.5	19.5
UMTS Band 4	-	A	AG0	24.0	24.0	16.0	26.0
UMTS Band 2	-	A	AG0	24.0	24.0	16.0	21.0
LTE Band 71	-	A	AG0	24.5	24.5	21.5	28.3
LTE Band 71	-	E	AG1	23.5	23.5	19.5	19.5
LTE Band 12	-	A	AG0	24.5	24.5	21.5	27.7
LTE Band 12	-	E	AG1	23.5	23.5	19.5	19.5
LTE Band 13	-	A	AG0	24.5	24.5	21.5	27.1
LTE Band 13	-	E	AG1	23.5	23.5	19.5	19.5
LTE Band 14	-	A	AG0	24.5	24.5	21.5	27.5
LTE Band 14	-	E	AG1	23.5	23.5	19.5	19.5
LTE Band 26	-	A	AG0	24.5	24.5	21.5	27.3
LTE Band 26	-	E	AG1	23.5	23.5	18.5	18.5
LTE Band 5	-	A	AG0	24.5	24.5	21.5	27.0
LTE Band 5	-	E	AG1	23.5	23.5	18.5	18.5
LTE Band 66	-	A	AG0	24.0	24.0	16.0	26.6
LTE Band 66	-	F	AG1	24.0	24.0	17.0	17.0
LTE Band 4	-	A	AG0	24.0	24.0	16.0	26.6
LTE Band 4	-	F	AG1	24.0	24.0	17.0	17.0
LTE Band 25	-	A	AG0	24.0	24.0	16.5	25.3
LTE Band 25	-	F	AG1	23.5	23.5	17.5	17.5
LTE Band 2	-	A	AG0	24.0	24.0	16.5	25.3
LTE Band 2	-	F	AG1	23.5	23.5	17.5	17.5
LTE Band 30	-	B	AG0	23.0	23.0	16.5	29.7
LTE Band 30	-	F	AG1	23.0	23.0	17.5	17.5
LTE Band 7	-	B	AG0	24.0	24.0	16.5	30.4
LTE Band 7	-	F	AG1	24.0	24.0	16.5	16.5
LTE Band 41	-	B	AG0	24.0	22.0	16.0	36.5
LTE Band 41	-	F	AG1	24.0	22.0	15.5	15.5
LTE Band 38	-	B	AG0	24.0	22.0	16.0	36.5
LTE Band 38	-	F	AG1	24.0	22.0	15.5	15.5
LTE Band 48	-	F	AG1	22.5	20.5	14.0	14.0
NR Band n71	-	A	AG0	24.5	24.5	21.5	28.5
NR Band n71	-	E	AG1	23.5	23.5	19.5	19.5
NR Band n12	-	A	AG0	24.5	24.5	21.5	27.4
NR Band n12	-	E	AG1	23.5	23.5	19.5	19.5
NR Band n14	-	A	AG0	24.5	24.5	21.5	27.1
NR Band n14	-	E	AG1	23.5	23.5	19.5	19.5
NR Band n26	-	A	AG0	24.5	24.5	21.5	26.2
NR Band n26	-	E	AG1	23.5	23.5	18.5	18.5
NR Band n5	-	A	AG0	24.5	24.5	21.5	26.7
NR Band n5	-	E	AG1	23.5	23.5	18.5	18.5
NR Band n70	-	A	AG0	24.0	24.0	15.5	26.2
NR Band n70	-	F	AG1	23.0	23.0	16.5	16.5
NR Band n66	-	A	AG0	24.0	24.0	16.0	25.8
NR Band n66	-	F	AG1	23.0	23.0	17.0	17.0
NR Band n25	-	A	AG0	24.0	24.0	16.5	26.4
NR Band n25	-	F	AG1	23.0	23.0	17.5	17.5
NR Band n2	-	A	AG0	24.0	24.0	16.5	26.4
NR Band n2	-	F	AG1	23.0	23.0	17.5	17.5
NR Band n30	-	B	AG0	23.0	23.0	16.5	30.5
NR Band n30	-	F	AG1	22.0	22.0	16.5	16.5
NR Band n7	-	B	AG0	23.0	23.0	16.5	29.2
NR Band n7	-	F	AG1	24.0	24.0	16.5	16.5
NR Band n41 PC2 Default	-	B	AG0	26.5	26.5	16.0	16.0
NR Band n41 PC2 Default	SRS #0	B	AG0	16.0	16.0	9.0	9.0
NR Band n41 PC2 Default	SRS #2	D	AG0	16.0	16.0	9.0	9.0
NR Band n41 PC2 Default	SRS #3	E	AG1	16.0	16.0	9.0	9.0
NR Band n41 PC2 Default	SRS #1	F	AG1	16.0	16.0	9.0	9.0
NR Band n41 PC2 Switching	SRS #1	B	AG0	16.0	16.0	9.0	9.0
NR Band n41 PC2 Switching	SRS #3	D	AG0	16.0	16.0	9.0	9.0
NR Band n41 PC2 Switching	SRS #2	E	AG1	16.0	16.0	9.0	9.0
NR Band n41 PC2 Switching	-	F	AG1	24.0	24.0	16.0	16.0
NR Band n41 PC2 Switching	SRS #0	F	AG1	16.0	16.0	9.0	9.0
NR Band n38	-	B	AG0	24.0	24.0	16.0	16.0
NR Band n38	-	F	AG1	23.0	23.0	16.0	16.0
NR Band n48	SRS #1	C	AG0	21.0	21.0	14.0	14.0
NR Band n48	SRS #3	D	AG0	15.0	15.0	9.0	9.0
NR Band n48	-	F	AG1	22.0	22.0	15.0	15.0
NR Band n48	SRS #2	I	AG1	16.0	16.0	10.0	10.0
NR Band n77 PC2	SRS #1	C	AG0	22.0	22.0	12.0	12.0
NR Band n77 PC2	SRS #3	D	AG0	22.0	22.0	12.0	12.0
NR Band n77 PC2	-	F	AG1	26.5	26.5	14.0	14.0
NR Band n77 PC2	SRS #2	I	AG1	22.0	22.0	12.0	12.0
NR Band n78 PC2	SRS #1	C	AG0	22.0	22.0	12.0	12.0
NR Band n78 PC2	SRS #3	D	AG0	22.0	22.0	12.0	12.0
NR Band n78 PC2	-	F	AG1	26.5	26.5	14.0	14.0
NR Band n78 PC2	SRS #2	I	AG1	22.0	22.0	12.0	12.0



Table 2-5 FastConnect SAR Char

Band/Mode	Antenna	Antenna Group	Exposure Scenario		Body-worn/ Hotspot/ Phablet	Head
			Maximum Tune-Up Output Power		DSI 0	DSI 1
			Pmax Burst (dBm)	Pmax Frame Avg (dBm)	Plimit (dBm)	Plimit (dBm)
2.4 GHz WIFI	H	AG1	20.0	20.0	15.0	12.5
2.4 GHz WIFI	J	AG1	20.0	20.0	15.0	12.5
2.4 GHz WIFI	MIMO (H&J)	AG1	20.0	20.0	15.0	12.5
5 GHz WIFI	E	AG1	18.0	18.0	13.0	10.5
5 GHz WIFI	H	AG1	18.0	18.0	13.0	10.5
5 GHz WIFI	MIMO (H&E)	AG1	18.0	18.0	13.0	10.5
6 GHz WIFI	E	AG1	16.0	16.0	8.0	12.0
6 GHz WIFI	H	AG1	16.0	16.0	8.0	12.0
6 GHz WIFI	MIMO (H&E)	AG1	16.0	16.0	8.0	12.0



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3. SAR results

Exposure Condition	Band/Mode	Antenna	DUT SN	Power Drift [dB]	Maximum Duty Cycle [%]	Measured Duty Cycle [%]	Frequency [MHz]	Channel	Modulation/Configuration	RB/Tone Size or Data Rate [Mbps]	RB/Tone Offset or # of Tx slots, or BW [MHz]	Measured Conducted Power [dBm]	Measured Conducted Power 2nd Ant [dBm]	Separation Distance [mm]	Position	Measured 10g SAR [W/kg]	Part0 Frame Avg Pilmit [dBm]	Part0 Overall Frame Avg Pilmit [dBm]
Phablet	GSM 850	A	H363H	0.03	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	N/A	1 Tx Slot	29.50	N/A	0	Back	0.426	27.98	21.22
Phablet	GSM 850	E	H363H	0.02	12.0%	12.0%	848.8	251	GSM, 1 Tx Slot	N/A	1 Tx Slot	29.43	N/A	0	Back	0.259	30.07	22.97
Phablet	GSM 1900	A	H3QQT	-0.12	48.1%	48.1%	1850.2	512	GPRS, 4 Tx Slots	N/A	4 Tx Slots	18.74	N/A	0	Bottom	0.362	23.95	18.25
Phablet	UMTS Band 5	A	H363H	0.02	100.0%	100.0%	826.4	4132	RMC	N/A	N/A	21.97	N/A	0	Back	0.674	27.66	24.10
Phablet	UMTS Band 5	E	H363H	-0.01	100.0%	100.0%	826.4	4132	RMC	N/A	N/A	19.62	N/A	0	Back	0.363	28.00	21.83
Phablet	UMTS Band 4	A	H3A1T	-0.10	100.0%	100.0%	1712.4	1312	RMC	N/A	N/A	15.86	N/A	0	Bottom	0.545	22.47	18.71
Phablet	UMTS Band 2	A	H363H	0.01	100.0%	100.0%	1852.4	9262	RMC	N/A	N/A	16.58	N/A	0	Bottom	0.372	24.85	19.56
Phablet	LTE Band 71	A	H3A1T	0.03	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	25	22.33	N/A	0	Back	0.737	27.63	24.63
Phablet	LTE Band 71	E	H3A1T	0.02	100.0%	100.0%	680.5	133297	QPSK - 20 MHz	50	0	19.35	N/A	0	Back	0.186	30.63	24.65
Phablet	LTE Band 12	A	H3A1T	0.03	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	25	21.84	N/A	0	Back	0.551	28.40	23.92
Phablet	LTE Band 12	E	H3A1T	-0.01	100.0%	100.0%	707.5	23095	QPSK - 10 MHz	25	0	19.02	N/A	0	Back	0.221	29.55	22.84
Phablet	LTE Band 13	A	H3A1T	0.02	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	25	21.72	N/A	0	Back	0.630	27.70	24.36
Phablet	LTE Band 13	E	H3A1T	0.17	100.0%	100.0%	782	23230	QPSK - 10 MHz	25	0	18.69	N/A	0	Back	0.304	27.84	23.97
Phablet	LTE Band 14	A	H3A1T	0.03	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	0	21.85	N/A	0	Back	0.695	27.40	24.20
Phablet	LTE Band 14	E	H3A1T	0.17	100.0%	100.0%	793	23330	QPSK - 10 MHz	25	0	18.81	N/A	0	Back	0.292	28.13	22.93
Phablet	LTE Band 26	A	H3A1T	0.00	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	36	0	22.02	N/A	0	Back	0.724	27.20	23.48
Phablet	LTE Band 26	E	H3A1T	0.00	100.0%	100.0%	831.5	26865	QPSK - 15 MHz	1	0	17.99	N/A	0	Back	0.366	26.33	22.64
Phablet	LTE Band 5	A	H3A1T	-0.07	100.0%	100.0%	836.5	20525	QPSK - 10 MHz	1	49	21.86	N/A	0	Back	0.710	27.32	23.04
Phablet	LTE Band 5	E	H3A1T	-0.02	100.0%	100.0%	836.5	20525	QPSK - 10 MHz	25	0	18.35	N/A	0	Back	0.247	28.40	23.40
Phablet	LTE Band 66	A	H38FV	-0.04	100.0%	100.0%	1770	13272	QPSK - 20 MHz	50	50	16.94	N/A	0	Back	0.609	23.07	18.05
Phablet	LTE Band 66	F	H38FV	0.00	100.0%	100.0%	1720	132072	QPSK - 20 MHz	1	50	17.37	N/A	0	Top	0.888	21.86	21.34
Phablet	LTE Band 25	A	H3QQT	0.01	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	0	16.69	N/A	0	Bottom	0.583	23.01	19.35
Phablet	LTE Band 25	F	H3QQT	0.07	100.0%	100.0%	1860	26140	QPSK - 20 MHz	1	50	17.26	N/A	0	Top	1.090	20.86	20.86
Phablet	LTE Band 30	B	H3KAA	0.00	100.0%	100.0%	2310	27710	QPSK - 10 MHz	25	25	17.36	N/A	0	Bottom	0.412	25.19	21.16
Phablet	LTE Band 30	F	H3KAA	0.02	100.0%	100.0%	2310	27710	QPSK - 10 MHz	1	0	16.71	N/A	0	Top	1.250	19.72	19.72
Phablet	LTE Band 7	B	0152M	0.05	100.0%	100.0%	2560	21350	QPSK - 20 MHz	50	50	16.89	N/A	0	Bottom	0.850	21.57	20.57
Phablet	LTE Band 7	F	H363H	0.02	100.0%	100.0%	2535	21100	QPSK - 20 MHz	1	0	16.83	N/A	0	Top	1.450	19.19	19.19
Phablet	LTE Band 41	B	H363H	0.12	63.3%	63.3%	2636.5	41055	QPSK - 20 MHz	50	25	18.22	N/A	0	Bottom	0.735	21.55	21.25
Phablet	LTE Band 41	F	H363H	-0.11	63.3%	63.3%	2506	39750	QPSK - 20 MHz	1	0	17.91	N/A	0	Top	0.456	23.31	21.38
Phablet	LTE Band 48	F	H35NV	-0.03	63.3%	63.3%	3646.7	56207	QPSK - 20 MHz	50	50	16.27	N/A	0	Top	0.555	20.82	19.67
Phablet	NR Band n71	A	H363H	0.00	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 20 MHz	1	53	21.56	N/A	0	Back	0.653	27.39	24.60
Phablet	NR Band n71	E	H3QQT	0.01	100.0%	100.0%	680.5	136100	DFT-s-OFDM QPSK, 20 MHz	1	1	18.80	N/A	0	Back	0.245	28.88	23.57
Phablet	NR Band n12	A	H363H	-0.01	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	43	21.65	N/A	0	Back	0.524	28.43	24.22
Phablet	NR Band n12	E	H3QQT	-0.12	100.0%	100.0%	707.5	141500	DFT-s-OFDM QPSK, 15 MHz	36	0	18.85	N/A	0	Back	0.318	27.80	23.01
Phablet	NR Band n14	A	H363H	0.01	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	25	0	21.61	N/A	0	Back	0.619	27.67	24.80
Phablet	NR Band n14	E	H3QQT	0.02	100.0%	100.0%	793	158600	DFT-s-OFDM QPSK, 10 MHz	1	26	19.08	N/A	0	Back	0.347	27.65	23.77
Phablet	NR Band n26	A	H3QQT	-0.07	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	1	53	21.96	N/A	0	Back	0.758	27.14	24.09
Phablet	NR Band n26	E	H3QQT	-0.04	100.0%	100.0%	831.5	166300	DFT-s-OFDM QPSK, 20 MHz	50	0	18.04	N/A	0	Back	0.355	26.51	22.89
Phablet	NR Band n5	A	H3QQT	-0.12	100.0%	100.0%	836.5	167300	DFT-s-OFDM QPSK, 20 MHz	1	104	21.84	N/A	0	Back	0.718	27.25	23.47
Phablet	NR Band n5	E	H3QQT	-0.17	100.0%	100.0%	836.5	167300	DFT-s-OFDM QPSK, 20 MHz	50	0	18.56	N/A	0	Back	0.319	27.50	22.44
Phablet	NR Band n70	A	H39GJ	0.00	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	1	77	15.82	N/A	0	Bottom	0.564	22.28	16.63
Phablet	NR Band n70	F	H39GJ	0.01	100.0%	100.0%	1702.5	340500	DFT-s-OFDM QPSK, 15 MHz	36	22	17.14	N/A	0	Top	1.120	20.62	20.62
Phablet	NR Band n66	A	H39GJ	0.01	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 40 MHz	1	1	15.18	N/A	0	Bottom	0.442	22.70	17.28
Phablet	NR Band n66	F	H39GJ	0.02	100.0%	100.0%	1745	349000	DFT-s-OFDM QPSK, 40 MHz	1	1	16.99	N/A	0	Top	0.968	21.11	20.61
Phablet	NR Band n25	A	H39GJ	0.07	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	54	16.56	N/A	0	Bottom	0.006	42.75	18.58
Phablet	NR Band n25	F	H39GJ	0.02	100.0%	100.0%	1882.5	376500	DFT-s-OFDM QPSK, 40 MHz	108	0	17.47	N/A	0	Top	1.070	21.15	21.15
Phablet	NR Band n30	B	H3A1T	-0.02	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	1	26	17.49	N/A	0	Bottom	0.422	25.21	20.87
Phablet	NR Band n30	F	H3A1T	-0.08	100.0%	100.0%	2310	462000	DFT-s-OFDM QPSK, 10 MHz	25	0	16.71	N/A	0	Top	0.465	24.01	22.26
Phablet	NR Band n7	B	H363H	-0.03	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 40 MHz	1	108	16.73	N/A	0	Bottom	0.949	20.93	19.87
Phablet	NR Band n7	F	H363H	0.02	100.0%	100.0%	2535	507000	DFT-s-OFDM QPSK, 40 MHz	1	1	16.66	N/A	0	Top	1.470	18.96	18.96
Phablet	NR Band n41 PC2 Default	B	H35NV	0.00	100.0%	100.0%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	271	16.95	N/A	0	Bottom	1.230	20.03	20.03
Phablet	NR Band n41 PC2 Default	D	H39GJ	-0.09	100.0%	100.0%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	1	9.90	N/A	0	Bottom	0.024	30.07	16.26
Phablet	NR Band n41 PC2 Switching	E	H39GJ	0.06	100.0%	100.0%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	1	9.55	N/A	0	Back	0.109	23.15	23.15
Phablet	NR Band n48	F	H38FV	0.01	100.0%	100.0%	2592.99	518598	DFT-s-OFDM QPSK, 100 MHz	1	1	15.60	N/A	0	Top	1.020	19.49	19.49
Phablet	NR Band n48	C	H3A1T	-0.01	100.0%	100.0%	3570	638000	DFT-s-OFDM QPSK, 40 MHz	1	104	14.51	N/A	0	Left	0.620	20.56	19.73
Phablet	NR Band n48	D	H3A1T	-0.10	100.0%	100.0%	3570	638000	DFT-s-OFDM QPSK, 40 MHz	1	1	9.52	N/A	0	Right	0.000	63.49	19.60
Phablet	NR Band n48	F	H35NV	-0.16	100.0%	100.0%	3570	638000	DFT-s-OFDM QPSK, 40 MHz	50	56	14.93	N/A	0	Top	0.779	19.99	19.71
Phablet	NR Band n48	I	H3A1T	0.02	100.0%	100.0%	3624.99	641666	DFT-s-OFDM QPSK, 40 MHz	1	53	10.55	N/A	0	Back	0.254	20.48	20.48
Phablet	NR Band n77 PC2	C	H3A1T	-0.01	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	1	271	12.91	N/A	0	Left	0.325	21.77	19.64
Phablet	NR Band n77 PC2	D	H3A1T	0.20	100.0%	100.0%	3750	650000	DFT-s-OFDM QPSK, 100 MHz	1	1	11.94	N/A	0	Bottom	0.039	30.00	15.47
Phablet	NR Band n77 PC2	F	H35NV	0.00	100.0%	100.0%	3930	662000	DFT-s-OFDM QPSK, 100 MHz	135	0	14.42	N/A	0	Top	0.496	21.44	16.96
Phablet	NR Band n77 PC2	I	H3A1T	0.06	100.0%	100.0%	3750	650000	DFT-s-OFDM QPSK, 100 MHz	1	1	12.94	N/A	0	Back	0.664	18.69	18.69
Phablet	2.4 GHz WiFi	H	2MDGJ	0.02	100.0%	99.2%	2412	1	IEEE 802.11b - 22 MHz	1	22	15.64	N/A	0	Back	1.120	19.09	19.09
Phablet	2.4 GHz WiFi	J	2MDGJ	0.09	100.0%	99.2%	2437	6	IEEE 802.11b - 22 MHz	1	22	15.76	N/A	0	Front	0.245	25.81	23.22
Phablet	2.4 GHz WiFi	MIMO (H&J)	2MDGJ	0.00	100.0%	99.0%	2412	1	IEEE 802.11b - 22 MHz	1	22	15.47	15.43	0	Back	1.180	18.64	18.64



4. Equipment List

Manufacturer	Model	Description	Serial Number	Calibration Date	Calibration Due	CBT
Amplifier Research	551G4	RF Broadband Amplifier (800 MHz - 4.2 GHz)	331258	-	-	✓
Rohde & Schwarz	SMCV100B	R&S SMCV100B Vector Signal Generator (VSG)	103882	12/30/25	12/30/27	-
SPEAG	Powersource1	Signal Generator	4341	1/6/26	1/6/27	-
Anritsu	MA24118A	Microwave USB Power Sensor (10MHz - 18 GHz)	2123431	1/22/26	1/22/27	-
Anritsu	MA24118A	Microwave USB Power Sensor (10MHz - 18 GHz)	2123500	1/22/26	1/22/27	-
Rohde & Schwarz	NRP8S	Power Sensor 10 MHz - 8 GHz	114184	3/12/26	3/12/27	-
Rohde & Schwarz	NRP8S	Power Sensor 10 MHz - 8 GHz	114183	3/12/26	3/12/27	-
Rohde & Schwarz	NRP8S	Power Sensor 10 MHz - 8 GHz	114343	4/1/26	4/1/27	-
Anritsu	MT8000A	MT8000A Radio Communication Test Station	6262261936	8/21/25	8/21/27	-
Rohde & Schwarz	CMW500	CMW500 Radio Communication Test Station	1201.0002K50-167186-cf	-	-	-
Rohde & Schwarz	CMW500	CMW500 Radio Communication Test Station	1201.0002K50-165091-bw	1/28/26	1/28/28	-
Rohde & Schwarz	CMW500	CMW500 Radio Communication Test Station	1201.0002K50-171214-yj	1/16/26	1/16/28	-
Anritsu	MT8820C	Radio Communication Test Station	6201342024	-	-	-
Anritsu	MT8820C	Radio Communication Test Station	6201179629	-	-	-
Anritsu	MT8820C	Radio Communication Test Station	6201342019	-	-	-
Anritsu	S820E	Vector Network Analyzer	2348026	1/13/26	1/13/28	-
Control Company	4040	Ambient Thermometer	250440190	7/17/25	7/17/27	-
Control Company	4040	Ambient Thermometer	250440191	7/17/25	7/17/27	-
Control Company	4040	Ambient Thermometer	250440199	7/17/25	7/17/27	-
Control Company	4352	Long Stem Liquid Thermometer	250257657	4/23/25	4/23/27	-
Control Company	4352	Long Stem Liquid Thermometer	250257660	4/23/25	4/23/27	-
Control Company	4352	Long Stem Liquid Thermometer	250257665	4/23/25	4/23/27	-
Micro-Coax	UFB205A-0-0240-30x30	SMA M-F RF Test Cable (DC - 18 GHz)	-	-	-	✓
Mini-Circuits	BW-N20W20+	20dB RF Fixed Attenuator (DC - 18 GHz)	-	-	-	✓
Mini-Circuits	BW-N20W20+	20dB RF Fixed Attenuator (DC - 18 GHz)	-	-	-	✓
Mini-Circuits	BW-S3W2+	3dB RF Fixed Attenuator (DC - 18 GHz)	-	-	-	✓
Mini-Circuits	BW-S3W2+	3dB RF Fixed Attenuator (DC - 18 GHz)	-	-	-	✓
Mini-Circuits	CBL-6FT-SMNM+	Precision Test Cable SMA/N (DC - 18 GHz)	3318	-	-	✓
Mini-Circuits	CBL-6FT-SMNM+	Precision Test Cable SMA/N (DC - 18 GHz)	3335	-	-	✓
Mini-Circuits	CBL-6FT-SMNM+	Precision Test Cable SMA/N (DC - 18 GHz)	3329	-	-	✓
Mini-Circuits	NF-SF50+	RF Adapter N Male to SMA Female (DC - 18 GHz)	-	-	-	✓
Mini-Circuits	VLF-3000+	Coaxial Low Pass Filter (DC - 3 GHz)	-	-	-	✓
Mini-Circuits	VLF-1000+	Coaxial Low Pass Filter (DC - 1 GHz)	-	-	-	✓
Narda	24785-20	20 dB SMA Fixed Attenuator (DC - 4.0 GHz)	-	-	-	✓
Narda	4226-20 (26733)	20 dB SMA Directional Coupler (0.5 - 18 GHz)	201	-	-	✓
Mitutoyo	CD-4"AX	Digital Caliper	B23243217	8/28/25	8/28/27	-
SPEAG	DAK-3.5	DAK-3.5 Dielectric Probe	1349	8/5/25	8/5/26	-
Speag	D750V3	D750V3 System Validation Dipole	1235	10/11/23	10/11/26	-
Speag	D835V2	D835V2 System Validation Dipole	4d311	10/9/23	10/9/26	-
Speag	D1750V2	D1750V2 System Validation Dipole	1205	10/11/23	10/11/26	-
Speag	D1900V2	D1900V2 System Validation Dipole	5d252	10/6/23	10/6/26	-
Speag	D2300V2	D2300V2 System Validation Dipole	1139	10/9/23	10/9/26	-
Speag	D2450V2	D2450V2 System Validation Dipole	1112	11/15/24	11/15/26	-
Speag	D2600V2	D2600V2 System Validation Dipole	1215	11/15/24	11/15/26	-
Speag	D3500V2	D3500V2 System Validation Dipole	1154	10/2/23	10/2/26	-
Speag	D3700V2	D3700V2 System Validation Dipole	1130	10/12/23	10/12/26	-
Speag	D3900V2	D3900V2 System Validation Dipole	1101	10/2/23	10/2/26	-
SPEAG	DAE4ip	Data Acquisition Electronics with Integ. Power	1843	7/30/25	7/30/26	-
SPEAG	DAE4ip	Data Acquisition Electronics with Integ. Power	1862	1/8/26	1/8/27	-
SPEAG	DAE4ip	Data Acquisition Electronics with Integ. Power	1933	1/7/26	1/7/27	-
SPEAG	DAE4ip	Data Acquisition Electronics with Integ. Power	1844	11/5/25	11/5/26	-
SPEAG	DAE4ip	Data Acquisition Electronics with Integ. Power	1838	12/4/25	12/4/26	-
SPEAG	EX3DV4	SAR Measurement Probe	7872	8/8/25	8/8/26	-
SPEAG	EX3DV4	SAR Measurement Probe	7971	4/14/26	4/14/27	-
SPEAG	EX3DV4	SAR Measurement Probe	7969	1/13/26	1/13/27	-
SPEAG	EX3DV4	SAR Measurement Probe	7853	11/7/25	11/7/26	-
SPEAG	EX3DV4	SAR Measurement Probe	7857	12/9/25	12/9/26	-
SPEAG	SE UMS 171 E	MAIA Modulation and Interference Analyzer	1814	-	-	-
SPEAG	SE UMS 171 E	MAIA Modulation and Interference Analyzer	1817	-	-	-
SPEAG	SE UMS 171 EA	MAIA Modulation and Interference Analyzer	1820	-	-	-
SPEAG	SE UMS 171 EA	MAIA Modulation and Interference Analyzer	1815	-	-	-
SPEAG	SE UMS 176 C	ANT Wideband Communication Antenna	1579	-	-	-
SPEAG	SE UMS 176 C	ANT Wideband Communication Antenna	1601	-	-	-
SPEAG	SE UMS 176 C	ANT Wideband Communication Antenna	1610	-	-	-
SPEAG	SE UMS 176 C	ANT Wideband Communication Antenna	1590	-	-	-

✓Note: Components calibrated before testing. Prior to testing, the measurement paths containing a cable, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator, power sensor, or VNA) to determine the losses of the measurement path. The power meter offset was then adjusted to compensate for the measurement system losses. This level offset is stored within the power meter before measurements are made. This calibration verification procedure applies to the system verification and output power measurements. The calibrated reading is then taken directly from the power meter after compensation of the losses for all final power measurements.