ELEMENT MATERIALS TECHNOLOGY

(formerly PCTEST)
7185 Oakland Mills Road, Columbia, MD 21046 USA
Tel. +1.410.290.6652 / Fax +1.410.290.6654
http://www.element.com

RF EXPOSURE PART 1 TEST REPORT

Applicant Name:
Samsung Electronics Co., Ltd.
129, Samsung-ro, Maetan dong,
Yeongtong-gu, Suwon-si
Gyeonggi-do, 16677, Korea

Date of Testing:
02/19/2025 – 04/27/2025
Test Site/Locations:
Element, Columbia, MD, USA
Element Morgan Hill, CA, USA
Element, Suwon, Korea
Document Serial No.:
1M2502210015-01.A3L (Rev 5)

FCC ID: **A3LSMF966U**

APPLICANT: **SAMSUNG ELECTRONICS CO., LTD.**

DUT Type: Portable Handset
Application Type: Certification
FCC Rule Part(s): CFR §2.1093
Model(s): SM-F966U
Additional Model(s): SM-F966U1

Equipment Class	Band & Mode	Tx Frequency	SAR				
			1g Head (W/kg)	1g Body-Worn (W/kg)	1g Hotspot (W/kg)	10g Phablet (W/kg)	1g Body (W/kg)
PCE	GSM/GPRS/EDGE 850	824.20 – 848.80 MHz	0.27	0.68	0.85	N/A	0.86
PCE	GSM/GPRS/EDGE 1900	1850.20 – 1909.80 MHz	<0.1	0.74	0.74	N/A	1.02
PCE	UMTS 850	826.40 – 846.60 MHz	0.32	0.68	0.89	N/A	1.17
PCE	UMTS 1750	1732.4 – 1752.6 MHz	0.11	1.01	1.01	N/A	0.74
PCE	UMTS 1900	1852.4 – 1907.6 MHz	0.13	1.01	1.01	N/A	1.20
PCE	LTE Band 71	663.5 – 695.5 MHz	0.21	0.73	0.75	N/A	1.20
PCE	LTE Band 12	699.7 – 715.3 MHz	0.23	1.00	1.00	N/A	1.23
PCE	LTE Band 13	779.5 – 784.5 MHz	0.63	0.79	0.79	N/A	1.24
PCE	LTE Band 14	790.5 – 795.5 MHz	0.51	0.83	0.85	N/A	0.96
PCE	LTE Band 26	814.7 – 848.3 MHz	0.26	0.68	0.86	N/A	0.91
PCE	LTE Band 5	824.7 – 848.3 MHz	0.29	0.72	0.85	N/A	1.07
PCE	LTE Band 66	1710.7 – 1779.3 MHz	1.13	1.17	1.12	N/A	1.19
PCE	LTE Band 4	1710.7 – 1754.3 MHz	N/A	N/A	N/A	N/A	N/A
PCE	LTE Band 25	1850.7 – 1914.3 MHz	1.13	1.03	1.03	N/A	1.24
PCE	LTE Band 2	1850.7 – 1909.3 MHz	N/A	N/A	N/A	N/A	N/A
PCE	LTE Band 30	2305.0 – 2310.0 MHz	**1.24**	1.19	1.16	N/A	**1.24**
PCE	LTE Band 41	2496.0 – 2690.0 MHz	0.60	1.17	1.17	N/A	1.15
PCE	LTE Band 41	2496.0 – 2690.0 MHz	0.60	1.17	1.17	N/A	1.15
PCE	LTE Band 38	2572.5 – 2617.5 MHz	N/A	N/A	N/A	N/A	N/A
DSS	LTE Band 38	2572.5 – 2617.5 MHz	**2.02**	**1.12**	**1.16**	N/A	1.13
PCE	NR Band n71	663.3 – 693.3 MHz	0.27	0.97	0.95	N/A	1.08
PCE	NR Band n12	699.7 – 715.3 MHz	0.23	0.94	0.91	N/A	1.05
PCE	NR Band n13	779.5 – 784.5 MHz	0.63	0.79	0.79	N/A	1.16
PCE	NR Band n14	790.5 – 795.5 MHz	0.49	0.82	0.85	N/A	0.95
PCE	NR Band n26	814.7 – 848.3 MHz	0.26	0.68	0.86	N/A	0.91
PCE	NR Band n5	824.7 – 848.3 MHz	0.30	0.73	0.79	N/A	1.20
PCE	NR Band n66	1710.7 – 1779.3 MHz	1.14	**0.99**	**0.98**	N/A	1.04
PCE	NR Band n66	1710.7 – 1779.3 MHz	1.14	0.99	0.98	N/A	0.89
PCE	NR Band n25	1850.7 – 1914.3 MHz	0.93	1.19	1.16	N/A	1.17
PCE	NR Band n2	1850.7 – 1909.3 MHz	0.93	1.19	1.16	N/A	1.17
PCE	NR Band n30	2307.5 – 2312.5 MHz	0.68	1.05	1.05	N/A	1.08
PCE	NR Band n7	2502.5 – 2567.5 MHz	0.65	1.19	1.16	N/A	1.15
PCE	NR Band n41	2496.01 – 2689.99 MHz	1.07	1.03	1.00	N/A	0.96
PCE	NR Band n38	2572.5 – 2615.MHz	N/A	N/A	N/A	N/A	N/A
DSS	NR Band n38	2572.5 – 2615.MHz	2.04	0.93	0.90	N/A	**1.21**
PCE	NR Band n78	3450.01 – 3449.99 MHz; 3450 – 3550 MHz	N/A	N/A	N/A	N/A	N/A
PCE	NR Band n77	3450.01 – 3449.99 MHz; 3450 – 3970 MHz	0.34	0.94	0.96	N/A	0.97
DTS	2.4 GHz WiFi	2412 – 2462 MHz	**2.21**	**2.12**	**2.12**	N/A	**1.18**
NII	5 GHz WiFi	U-NII-1: 5150 - 5240 MHz; U-NII-2A: 5250 - 5320 MHz; U-NII-2C: 5500 - 5720 MHz; U-NII-3: 5745 - 5825 MHz; U-NII-4: 5845 - 5895 MHz	**0.69**	**1.08**	**0.90**	**1.47**	**1.11**
6CD	6 GHz WiFi	U-NII-5: 5925 - 6415 MHz; U-NII-6: 5925 - 6515 MHz; U-NII-7: 6525 - 6875 MHz; U-NII-8: 6525 - 7115 MHz	**0.39**	**0.98**	N/A	**0.97**	**0.96**
DSS	2.4 GHz Bluetooth	2402 – 2480 MHz	**0.19**	**0.08**	**0.06**	**0.27**	**0.14**
DSS	LTE Band 48	3550 – 3700 MHz	**1.24**	**1.19**	**1.16**	**1.17**	**1.19**
DSS	UWB	7.25 GHz	N/A	N/A	N/A	<0.1	<0.1
DSS	UWB	8499.6 – 7987.2 MHz	N/A	N/A	N/A	<0.1	<0.1
Simultaneous SAR per KDB 690783 D01v01r03:			**2.60**	1.41	1.42	**1.49**	**1.48**

Equipment Class	Band & Mode	Tx Frequency	APC (dBm)				Separation Pt (mm)
			Head	Body-Worn	Hotspot	Phablet	Body
6CD	6 GHz WiFi	U-NII-5: 5925 - 6415 MHz; U-NII-6: 5925 - 6515 MHz; U-NII-7: 6525 - 6875 MHz; U-NII-8: 6525 - 7115 MHz	**2.00**	**3.20**	**10.73**	**4.00**	0.58
UWB	UWB	8499.6 - 7987.2 MHz	N/A	N/A	**0.10**	<0.1	0.23

Conducted Power Values					
6G Standalone Mode	6GHz WiFi	6GHz Band	6GHz Bandwidth Tolerance	6GHz Power Tolerance	Conducted Measurement Tolerance
Conducted Power	10.73	6GHz	320 MHz	10.73	0.50

Note: This revised Test Report supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

This wireless portable device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement procedures specified in Section 2.9 of this report; for North American frequency bands only.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them. Test results reported herein relate only to the item(s) tested.

RJ Ortanez
Executive Vice President

The SAR Tick is an initiative of the Mobile & Wireless Forum (MWF). While a product may be considered eligible, use of the SAR Tick logo requires an agreement with the MWF. Further details can be obtained by emailing: sartick@mwfai.info.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

TABLE OF CONTENTS

1 TEST LABORATORY INFORMATION 3

2 DEVICE UNDER TEST 4

3 LTE AND NR INFORMATION 24

4 INTRODUCTION 26

5 DOSIMETRIC ASSESSMENT 27

6 DEFINITION OF REFERENCE POINTS 28

7 TEST CONFIGURATION POSITIONS 29

8 RF EXPOSURE LIMITS 33

9 FCC MEASUREMENT PROCEDURES 35

10 RF CONDUCTED POWERS 41

11 SYSTEM VERIFICATION 168

12 SAR DATA SUMMARY 181

13 POWER DENSITY DATA SUMMARY 242

14 SAR MEASUREMENT VARIABILITY 244

15 ADDITIONAL TESTING PER FCC GUIDANCE 245

16 EQUIPMENT LIST 250

17 MEASUREMENT UNCERTAINTIES 252

18 CONCLUSION 255

19 REFERENCES 256

APPENDIX A: SAR TEST PLOTS
APPENDIX B: SAR DIPOLE VERIFICATION PLOTS
APPENDIX C: PROBE AND DIPOLE CALIBRATION CERTIFICATES
APPENDIX D: SAR TISSUE SPECIFICATIONS
APPENDIX E: MULTI-TX AND ANTENNA SAR CONSIDERATIONS
APPENDIX F: POWER REDUCTION VERIFICATION
APPENDIX G: SAR SYSTEM VALIDATION
APPENDIX H: LTE AND NR LOWER BANDWIDTH RF CONDUCTED POWERS
APPENDIX I: RU SAR EXCLUSION
APPENDIX J: DUT ANTENNA DIAGRAM & SAR TEST SETUP PHOTOGRAPHS

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

1 TEST LABORATORY INFORMATION

1.1 Introduction

This test report for device subject to testing at an accredited testing laboratory has been generated by the testing laboratory that tested the device. Measurements were performed at various locations within Element Materials Technology. Detailed location and accredited information regarding the testing laboratories are provided below.

1.2 Test Laboratories Information

1.2.1 Testing Laboratory 1

Test Firm Name	ELEMENT MATERIALS TECHNOLOGY WASHINGTON DC LLC
Test Lab Location	7185 Oakland Mills Road, Columbia, MD 21046, United States Tel. +1.410.290.6652 / Fax +1.410.290.6654
Accreditation Info.	Lab Code. (ISED): 2451B
	CAB Identifier (NIST): US0110
	ISO/IEC 17025 (A2LA): CERT #2041.01
	ilac-MRA A2LA ACCREDITED CERT #2041.01
Measurement system No.	L, J, P, O, E, H, G, R, C

1.2.2 Testing Laboratory 2

Test Firm Name	ELEMENT MATERIALS TECHNOLOGY SAN JOSE, CA
Test Lab Location	18855 Adams Ct, Morgan Hill, CA 95037 USA United States Tel. +1.408.538.5600 / Fax +1.410.290.6654
Accreditation Info.	Lab Code. (ISED): 22831
	CAB Identifier (NIST): US0211
	ISO/IEC 17025 (A2LA): CERT #2041.02
	ilac-MRA A2LA ACCREDITED CERT #2041.02
Measurement system No.	AM13, AM16, AM9, AM10, AM7, AM2

1.2.3 Testing Laboratory 3

Test Firm Name	ELEMENT MATERIALS TECHNOLOGY SUWON, LTD.
Test Lab Location	Yongin-si, Gyeonggi-do, 16954, South Korea Tel. +82.31.660.7391 / Fax +82)31-660-7318
Accreditation Info.	Lab Code. (ISED): 26168
	CAB Identifier (NIST): KR0169
	ISO/IEC 17025 (A2LA): CERT #2041.04
	ilac-MRA A2LA ACCREDITED CERT #2041.04
Measurement system No.	K2, K3, K4, K6

Note: For each test performed, the test site can be verified with the probe serial numbers specified in the table of Test System Verification and Equipment List.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

2 DEVICE UNDER TEST

2.1 Device Overview

Band & Mode	Operating Modes	Tx Frequency
GSM/GPRS/EDGE 850	Voice/Data	824.20 - 848.80 MHz
GSM/GPRS/EDGE 1900	Voice/Data	1850.20 - 1909.80 MHz
UMTS 850	Voice/Data	826.40 - 846.60 MHz
UMTS 1750	Voice/Data	1712.4 - 1752.6 MHz
UMTS 1900	Voice/Data	1852.4 - 1907.6 MHz
LTE Band 71	Voice/Data	665.5 - 695.5 MHz
LTE Band 12	Voice/Data	699.7 - 715.3 MHz
LTE Band 13	Voice/Data	779.5 - 784.5 MHz
LTE Band 14	Voice/Data	790.5 - 795.5 MHz
LTE Band 26	Voice/Data	814.7 - 848.3 MHz
LTE Band 5	Voice/Data	824.7 - 848.3 MHz
LTE Band 66	Voice/Data	1710.7 - 1779.3 MHz
LTE Band 4	Voice/Data	1710.7 - 1754.3 MHz
LTE Band 25	Voice/Data	1850.7 - 1914.3 MHz
LTE Band 2	Voice/Data	1850.7 - 1909.3 MHz
LTE Band 30	Voice/Data	2307.5 - 2312.5 MHz
LTE Band 7	Voice/Data	2502.5 - 2567.5 MHz
LTE Band 41	Voice/Data	2498.5 - 2687.5 MHz
LTE Band 38	Voice/Data	2572.5 - 2617.5 MHz
LTE Band 48	Voice/Data	3552.5 - 3697.5 MHz
NR Band n71	Voice/Data	665.5 - 695.5 MHz
NR Band n12	Voice/Data	701.5 - 713.5 MHz
NR Band n14	Voice/Data	790.5 - 795.5 MHz
NR Band n26	Voice/Data	816.5 - 846.5 MHz
NR Band n5	Voice/Data	826.5 - 846.5 MHz
NR Band n70	Voice/Data	1697.5 - 1707.5 MHz
NR Band n66	Voice/Data	1712.5 - 1777.5 MHz
NR Band n25	Voice/Data	1852.5 - 1912.5 MHz
NR Band n2	Voice/Data	1852.5 - 1907.5 MHz
NR Band n30	Voice/Data	2307.5 - 2312.5 MHz
NR Band n7	Voice/Data	2502.5 - 2567.5 MHz
NR Band n41	Voice/Data	2501.01 - 2685 MHz
NR Band n38	Voice/Data	2575 - 2615 MHz
NR Band n48	Voice/Data	3555 - 3694.98 MHz
NR Band n78	Voice/Data	3455.01 - 3544.98 MHz; 3705 - 3795 MHz
NR Band n77	Voice/Data	3455.01 - 3544.98 MHz; 3705 - 3975 MHz
NTN Band 255	Data	1629 - 1658 MHz
NR Band n258	Data	24250 - 24450 MHz; 24750 - 25250 MHz
NR Band n260	Data	37000 - 40000 MHz
NR Band n261	Data	27500 - 28350 MHz
2.4 GHz WIFI	Voice/Data	2412 - 2462 MHz
5 GHz WIFI	Voice/Data	U-NII-1: 5180 - 5240 MHz U-NII-2A: 5260 - 5320 MHz U-NII-2C: 5500 - 5720 MHz U-NII-3: 5745 - 5825 MHz U-NII-4: 5845 - 5885 MHz
6 GHz WIFI	Voice/Data	U-NII-5: 5935 - 6415 MHz U-NII-6: 6435 - 6515 MHz U-NII-7: 6535 - 6875 MHz U-NII-8: 6895 - 7115 MHz
2.4 GHz Bluetooth	Data	2402 - 2480 MHz
NFC	Data	13.56 MHz
UWB	Data	6489.6 - 7987.2 MHz

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

2.2 Time-Averaging Algorithm for RF Exposure Compliance

2.2.1 Time-Averaged Algorithm

This Device is enabled with the Qualcomm® Smart Transmit Gen2 feature with antenna grouping and a *multi_tx_factor* of 1.1. This feature performs 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. Refer to Compliance Summary document for detailed description of Qualcomm® Smart Transmit feature (report SN could be found in Section 2.11– Bibliography).

Note that NFC/UWB/NTN operations are not enabled with Smart Transmit.

The Smart Transmit algorithm maintains the time-averaged transmit power, in turn, time-averaged RF exposure of *SAR_design_target* or *PD_design_target*, below the predefined time-averaged power limit (i.e., P_{limit} for WWAN sub-6/WLAN/BT radio, and *input.power.limit* for 5G mmW NR), for each characterized technology and band. Characterization is achieved by determining P_{limit} for WWAN sub-6/WLAN/BT that corresponds to the exposure design targets after accounting for all device design related uncertainties, i.e., SAR_design_target (<FCC SAR Limit) for sub-6 radio. The SAR characterization is denoted as SAR CHAR in this report (see SAR Summary Section and Part 0 SAR Test Results for P_{limit} Calculations Appendix).

Smart Transmit allows the device to transmit at higher power instantaneously, as high as P_{max}, when needed, but enforces power limiting to maintain time-averaged transmit power to P_{limit}. Below table shows P_{limit} EFS settings and maximum tune up output power P_{max} configured for this EUT for various transmit conditions (Device State Index DSI). Note that the device uncertainty for WWAN sub-6/WLAN/BT is 1.0dB for this EUT.

Based on Qualcomm guidance, for *multi_tx_factor* > 1.0, the reported SAR for each tech/band/ant/DSI is scaled using min{P_{limit} **multi_tx_factor**10^(sub6 device uncertainty/10), P_{max}} in simultaneous transmission evaluations.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Exposure Scenario			Maximum Tune-Up Output Power*	F/O Body	F/C Body	F/C Head	F/O Grip	F/C Grip
Averaging Volume				1g	1g/10g	1g	1g	10g
Spacing				15mm, 10mm, 5mm	10mm, 5mm, 0mm	0mm	0mm	0mm
DSI				0	1	2	4	5
Technology/Band	Antenna	Antenna Group	P_{max}	P_{limit}	P_{limit}	P_{limit}	P_{limit}	P_{limit}
GSM 850	A, A+C	AG0	25.3	18.8	26.8	31.0	18.8	26.8
GSM 850	E	AG1	25.3	17.8	28.9	29.9	17.8	28.9
GSM 1900	B	AG0	22.1	11.8	18.3	28.1	11.8	18.3
UMTS 850	A, A+C	AG0	24.3	18.0	25.2	29.3	18.0	25.2
UMTS 850	E	AG1	24.3	20.0	27.6	30.1	20.0	27.6
UMTS 1750	B	AG0	23.5	12.0	18.0	29.3	12.0	18.0
UMTS 1900	B	AG0	23.8	12.0	18.0	27.8	12.0	18.0
LTE Band 71	A, A+C	AG0	24.2	18.5	26.3	30.0	18.5	26.3
LTE Band 71	E	AG1	24.2	19.0	26.3	31.4	19.0	26.3
LTE Band 12	A, A+C	AG0	24.2	18.5	24.8	28.3	18.5	24.8
LTE Band 12	E	AG1	24.2	19.0	24.7	29.7	19.0	24.7
LTE Band 13	A, A+C	AG0	24.5	18.5	25.4	28.2	18.5	25.4
LTE Band 13	E	AG1	24.5	19.0	26.6	28.2	19.0	26.6
LTE Band 14	A, A+C	AG0	24.5	18.5	25.5	28.0	18.5	25.5
LTE Band 14	E	AG1	24.5	19.0	26.7	28.4	19.0	26.7
LTE Band 26	A, A+C	AG0	24.5	18.0	25.4	27.8	18.0	25.4
LTE Band 26	E	AG1	24.0	20.0	26.6	29.4	20.0	26.6
LTE Band 5	A, A+C	AG0	24.0	18.0	25.0	28.3	18.0	25.0
LTE Band 5	E	AG1	24.0	20.0	27.0	29.7	20.0	27.0
LTE Band 66/4	B	AG0	24.5	12.0	18.0	27.5	12.0	18.0
LTE Band 66/4	G	AG1	24.5	21.0	17.0	19.5	11.0	17.0
LTE Band 25/2	B	AG0	24.0	12.0	17.5	30.8	12.0	17.5
LTE Band 25/2	G	AG1	24.0	21.0	17.0	19.5	10.5	17.0
LTE Band 30	B	AG0	24.0	11.0	19.0	32.5	11.0	19.0
LTE Band 30	G	AG1	23.5	21.0	18.0	18.5	9.5	18.0
LTE Band 7	B	AG0	24.0	11.0	19.0	33.2	11.0	19.0
LTE Band 7	G	AG1	24.0	17.5	16.5	17.0	9.0	16.5
LTE Band 41/38	B	AG0	22.0	11.0	17.5	34.3	11.0	17.5
LTE Band 41/38	G	AG1	22.0	19.0	16.5	16.0	9.0	16.5
LTE Band 48	F	AG1	21.0	9.0	18.0	20.0	9.0	18.0
LTE Band 48	C	AG0	21.0	10.0	18.0	60.4	10.0	18.0
NR Band n71	A, A+C	AG0	24.0	18.5	24.9	29.0	18.5	24.9
NR Band n71	E	AG1	24.0	19.0	27.3	30.6	19.0	27.3
NR Band n12	A, A+C	AG0	24.0	18.5	24.9	28.8	18.5	24.9
NR Band n12	E	AG1	24.0	19.0	26.7	29.7	19.0	26.7
NR Band n14	A, A+C	AG0	24.0	18.5	24.9	28.8	18.5	24.9
NR Band n14	E	AG1	24.0	19.0	28.2	28.2	19.0	28.2
NR Band n26	A, A+C	AG0	24.0	18.0	25.7	29.6	18.0	25.7
NR Band n26	E	AG1	24.0	20.0	27.2	30.2	20.0	27.2
NR Band n5	A, A+C	AG0	24.0	18.0	25.8	28.5	18.0	25.8
NR Band n5	E	AG1	24.0	20.0	27.0	30.3	20.0	27.0
NR Band n70	B	AG0	23.5	12.0	19.5	29.7	12.0	19.5
NR Band n70	G	AG1	23.5	21.0	17.0	19.0	11.0	17.0
NR Band n66	B	AG0	24.0	12.0	18.0	31.2	12.0	18.0
NR Band n66	G	AG1	24.0	21.0	17.0	19.5	11.0	17.0
NR Band n25/n2	B	AG0	24.0	12.0	17.5	29.5	12.0	17.5
NR Band n25/n2	G	AG1	24.0	21.0	17.0	19.5	10.5	17.0
NR Band n30	B	AG0	23.0	11.0	19.0	29.3	11.0	19.0
NR Band n30	G	AG1	23.0	21.0	18.0	18.5	9.5	18.0
NR Band n7	B	AG0	23.0	11.0	19.0	32.7	11.0	19.0
NR Band n7	G	AG1	23.0	17.5	16.5	17.0	9.0	16.5
NR Band n41 PC3 (Path 1)	G	AG1	24.0	19.0	16.5	16.0	9.0	16.5
NR Band n41 PC3 (Path 1)	B	AG0	20.0	11.0	17.5	20.0	11.0	17.5
NR Band n41 PC3 (Path 1)	H	AG1	20.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC3 (Path 1)	D	AG0	18.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC2 (Path 1)	G	AG1	26.0	19.0	16.5	16.0	9.0	16.5
NR Band n41 PC2 (Path 1)	B	AG0	20.0	11.0	17.5	20.0	11.0	17.5
NR Band n41 PC2 (Path 1)	H	AG1	20.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC2 (Path 1)	D	AG0	18.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC3 (Path 2)	B	AG0	24.0	11.0	17.5	24.0	11.0	17.5
NR Band n41 PC3 (Path 2)	G	AG1	21.5	14.0	14.0	14.0	9.0	14.0
NR Band n41 PC3 (Path 2)	D	AG0	23.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC3 (Path 2)	H	AG1	16.0	7.0	8.0	8.0	7.0	8.0
NR Band n41 PC2 (Path 2)	B	AG0	26.0	11.0	17.5	24.0	11.0	17.5
NR Band n41 PC2 (Path 2)	G	AG1	21.5	14.0	14.0	14.0	9.0	14.0
NR Band n41 PC2 (Path 2)	D	AG0	23.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC2 (Path 2)	H	AG1	16.0	7.0	8.0	8.0	7.0	8.0
NR Band n41 PC1.5 UL-MIMO	G	AG1	28.0	19.0	16.5	16.0	9.0	16.5
NR Band n41 PC1.5 UL-MIMO	B	AG0	26.0	11.0	17.5	24.0	11.0	17.5
NR Band n41 PC1.5	H	AG1	20.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC1.5	D	AG0	23.5	7.0	14.0	14.0	7.0	14.0
NR Band n38 (Path 1)	G	AG1	24.0	19.0	16.5	16.0	9.0	16.5
NR Band n38 (Path 2)	B	AG0	24.0	11.0	17.5	24.0	11.0	17.5
NR Band n48 (Path 1)	F	AG1	23.5	9.0	18.0	20.0	9.0	18.0
NR Band n48 (Path 1)	C	AG0	17.0	9.0	17.0	17.0	9.0	17.0
NR Band n48 (Path 1)	G	AG1	22.0	7.0	14.0	14.0	7.0	14.0
NR Band n48 (Path 1)	A	AG0	16.0	7.0	14.0	14.0	7.0	14.0
NR Band n48 (Path 2)	C	AG0	23.5	9.0	18.0	31.1	9.0	18.0
NR Band n48 (Path 2)	F	AG1	20.0	9.0	18.0	20.0	9.0	18.0
NR Band n48 (Path 2)	A	AG0	22.0	7.0	14.0	14.0	7.0	14.0
NR Band n48 (Path 2)	G	AG1	19.0	7.0	14.0	14.0	7.0	14.0
NR Band n78 PC2 (Path 1)	F	AG1	26.0	9.5	18.5	20.0	9.5	18.5
NR Band n78 PC2 (Path 1)	C	AG0	26.0	10.0	17.5	17.5	10.0	17.5
NR Band n78 PC2 (Path 1)	G	AG1	24.5	7.0	14.0	14.0	7.0	14.0
NR Band n78 PC2 (Path 1)	A	AG0	19.0	7.0	14.0	14.0	7.0	14.0
NR Band n78 PC2 (Path 2)	C	AG0	26.0	10.0	17.5	25.0	10.0	17.5
NR Band n78 PC2 (Path 2)	F	AG1	23.0	9.5	18.5	20.0	9.5	18.5
NR Band n78 PC2 (Path 2)	A	AG0	22.5	7.0	14.0	14.0	7.0	14.0
NR Band n78 PC2 (Path 2)	G	AG1	22.0	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC2 (Path 1)	F	AG1	26.0	9.5	18.5	20.0	9.5	18.5
NR Band n77 PC2 (Path 1)	C	AG0	20.0	10.0	17.5	17.5	10.0	17.5
NR Band n77 PC2 (Path 1)	G	AG1	24.5	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC2 (Path 1)	A	AG0	19.0	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC2 (Path 2)	C	AG0	26.0	10.0	17.5	25.0	10.0	17.5
NR Band n77 PC2 (Path 2)	F	AG1	23.0	9.5	18.5	20.0	9.5	18.5
NR Band n77 PC2 (Path 2)	A	AG0	22.5	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC2 (Path 2)	G	AG1	22.0	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC1.5 UL-MIMO	F	AG1	26.0	9.5	18.5	20.0	9.5	18.5
NR Band n77 PC1.5 UL-MIMO	C	AG0	26.0	10.0	17.5	25.0	10.0	17.5
NR Band n77 PC1.5	G	AG1	24.5	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC1.5	A	AG0	22.5	7.0	14.0	14.0	7.0	14.0
2.4 GHz WIFI	H	AG1	19.0	12.0	17.0	29.6	12.0	17.0
2.4 GHz WIFI	F	AG1	19.0	12.0	17.0	26.8	12.0	17.0
2.4 GHz WIFI	MIMO	AG1	19.0	12.0	17.0	23.8	12.0	17.0
5 GHz WIFI	F	AG1	17.0	9.0	16.0	27.2	9.0	16.0
5 GHz WIFI	E	AG1	17.0	9.0	16.0	19.5	9.0	16.0
5 GHz WIFI	MIMO	AG1	17.0	9.0	16.0	18.9	9.0	16.0
6 GHz WIFI	F	AG1	16.0	9.0	14.0	26.3	9.0	14.0
6 GHz WIFI	E	AG1	16.0	9.0	14.0	21.0	9.0	14.0
6 GHz WIFI	MIMO	AG1	16.0	9.0	14.0	20.3	9.0	14.0
2.4 GHz Bluetooth	H	AG1	18.0	11.9	21.5	30.3	11.9	21.5
2.4 GHz Bluetooth	F	AG1	18.0	13.4	23.1	25.0	13.4	23.1
2.4 GHz Bluetooth	MIMO	AG1	16.5	15.9	25.0	25.9	15.9	25.0

Notes:

1. When $P_{max} < P_{limit}$ EFS, the DUT will operate at a power level up to P_{max}
2. All P_{limit} EFS and maximum tune-up output power P_{max} levels entered in above Table correspond to average power levels after accounting for duty cycle in the case of GMSK, TDD, or OFDM modulation schemes (e.g. GSM, LTE TDD, WLAN, BT).
3. 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.
4. WLAN MIMO P_{max} and P_{limit} are defined per antenna chain.
5. Bluetooth MIMO P_{max} and P_{limit} are defined per Dual Configuration.

The maximum time-averaged output power (dBm) for any WWAN sub-6/WLAN/BT technology, band, and DSI is the minimum of ("P_{limit} EFS" and "Maximum tune up output power P_{max}") + 1dB device uncertainty. SAR values in this report were scaled to this maximum time-averaged output power to determine compliance per KDB Publication 447498 D04v01.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

2.3 Power Reduction for SAR

This device utilizes a power reduction mechanism for the satellite NTN band for SAR compliance under some conditions when the device is being used in close proximity to the user's hand. FCC KDB Publication 616217 D04v01r02 Section 6 was used as a guideline for selecting SAR test distances for this device when being used in both the folder closed and folder open use conditions. Detailed descriptions of the power reduction mechanism are included in the operational description.

2.4 Nominal and Maximum Output Power Specifications

This device operates using the following maximum and nominal output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB Publication 447498 D04v01.

Note: Targets for 802.11ax/be RU operations can be found in RU SAR Exclusion Appendix.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

2.4.1 Licensed Output Power

GSM/GPRS/EDGE 850										
Antenna A, A+C										
Power Level		Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
		1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Pmax	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	28.0	26.0	24.0	23.0
	Nominal	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 0 (F/O Body)	Max Allowed Power	29.0	29.0	26.0	24.2	23.0	28.0	26.0	24.0	23.0
	Nominal	28.0	28.0	25.0	23.2	22.0	27.0	25.0	23.0	22.0
DSI = 1 (F/C Body)	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	28.0	26.0	24.0	23.0
	Nominal	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 3 (F/C Head)	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	28.0	26.0	24.0	23.0
	Nominal	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 4 (F/O Grip)	Max Allowed Power	29.0	29.0	26.0	24.2	23.0	28.0	26.0	24.0	23.0
	Nominal	28.0	28.0	25.0	23.2	22.0	27.0	25.0	23.0	22.0
DSI = 5 (F/C Grip)	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	28.0	26.0	24.0	23.0
	Nominal	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
GSM/GPRS/EDGE 850										
Antenna E										
Power Level		Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
		1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Pmax	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	28.0	26.0	24.0	23.0
	Nominal	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 0 (F/O Body)	Max Allowed Power	28.0	28.0	25.0	23.2	22.0	28.0	25.0	23.2	22.0
	Nominal	27.0	27.0	24.0	22.2	21.0	27.0	24.0	22.2	21.0
DSI = 1 (F/C Body)	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	28.0	26.0	24.0	23.0
	Nominal	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 3 (F/C Head)	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	28.0	26.0	24.0	23.0
	Nominal	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
DSI = 4 (F/O Grip)	Max Allowed Power	28.0	28.0	25.0	23.2	22.0	28.0	25.0	23.2	22.0
	Nominal	27.0	27.0	24.0	22.2	21.0	27.0	24.0	22.2	21.0
DSI = 5 (F/C Grip)	Max Allowed Power	33.5	33.5	32.5	30.5	28.5	28.0	26.0	24.0	23.0
	Nominal	32.5	32.5	31.5	29.5	27.5	27.0	25.0	23.0	22.0
GSM/GPRS/EDGE 1900										
Antenna B										
Power Level		Voice (in dBm)	Data - Burst Average GMSK (in dBm)				Data - Burst Average 8-PSK (in dBm)			
		1 TX Slot	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots	1 TX Slots	2 TX Slots	3 TX Slots	4 TX Slots
Pmax	Max Allowed Power	31.0	31.0	29.0	27.5	25.5	27.0	25.0	23.0	22.0
	Nominal	30.0	30.0	28.0	26.5	24.5	26.0	24.0	22.0	21.0
DSI = 0 (F/O Body)	Max Allowed Power	22.0	22.0	19.0	17.2	16.0	22.0	19.0	17.2	16.0
	Nominal	21.0	21.0	18.0	16.2	15.0	21.0	18.0	16.2	15.0
DSI = 1 (F/C Body)	Max Allowed Power	28.5	28.5	25.5	23.7	22.5	27.0	25.0	23.0	22.0
	Nominal	27.5	27.5	24.5	22.7	21.5	26.0	24.0	22.0	21.0
DSI = 3 (F/C Head)	Max Allowed Power	31.0	31.0	29.0	27.5	25.5	27.0	25.0	23.0	22.0
	Nominal	30.0	30.0	28.0	26.5	24.5	26.0	24.0	22.0	21.0
DSI = 4 (F/O Grip)	Max Allowed Power	22.0	22.0	19.0	17.2	16.0	22.0	19.0	17.2	16.0
	Nominal	21.0	21.0	18.0	16.2	15.0	21.0	18.0	16.2	15.0
DSI = 5 (F/C Grip)	Max Allowed Power	28.5	28.5	25.5	23.7	22.5	27.0	25.0	23.0	22.0
	Nominal	27.5	27.5	24.5	22.7	21.5	26.0	24.0	22.0	21.0

For GSM, the above powers listed are GSM burst average values.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

UMTS Band 5 (850 MHz)					
Antenna A, A+C					
Power Level		Modulated Average Output Power			
		3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
Pmax	Max Allowed Power	25.3	24.3	24.3	24.3
	Nominal	24.3	23.3	23.3	23.3
DSI = 0 (F/O Body)	Max Allowed Power	19.0	18.0	18.0	18.0
	Nominal	18.0	17.0	17.0	17.0
DSI = 1 (F/C Body)	Max Allowed Power	25.3	24.3	24.3	24.3
	Nominal	24.3	23.3	23.3	23.3
DSI = 3 (F/C Head)	Max Allowed Power	25.3	24.3	24.3	24.3
	Nominal	24.3	23.3	23.3	23.3
DSI = 4 (F/O Grip)	Max Allowed Power	19.0	18.0	18.0	18.0
	Nominal	18.0	17.0	17.0	17.0
DSI = 5 (F/C Grip)	Max Allowed Power	25.3	24.3	24.3	24.3
	Nominal	24.3	23.3	23.3	23.3
UMTS Band 5 (850 MHz)					
Antenna E					
Power Level		Modulated Average Output Power			
		3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
Pmax	Max Allowed Power	25.3	24.3	24.3	24.3
	Nominal	24.3	23.3	23.3	23.3
DSI = 0 (F/O Body)	Max Allowed Power	21.0	20.0	20.0	20.0
	Nominal	20.0	19.0	19.0	19.0
DSI = 1 (F/C Body)	Max Allowed Power	25.3	24.3	24.3	24.3
	Nominal	24.3	23.3	23.3	23.3
DSI = 3 (F/C Head)	Max Allowed Power	25.3	24.3	24.3	24.3
	Nominal	24.3	23.3	23.3	23.3
DSI = 4 (F/O Grip)	Max Allowed Power	21.0	20.0	20.0	20.0
	Nominal	20.0	19.0	19.0	19.0
DSI = 5 (F/C Grip)	Max Allowed Power	25.3	24.3	24.3	24.3
	Nominal	24.3	23.3	23.3	23.3
UMTS Band 4 (1750 MHz)					
Antenna B					
Power Level		Modulated Average Output Power			
		3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
Pmax	Max Allowed Power	24.5	23.5	23.5	23.5
	Nominal	23.5	22.5	22.5	22.5
DSI = 0 (F/O Body)	Max Allowed Power	13.0	12.0	12.0	12.0
	Nominal	12.0	11.0	11.0	11.0
DSI = 1 (F/C Body)	Max Allowed Power	19.0	18.0	18.0	18.0
	Nominal	18.0	17.0	17.0	17.0
DSI = 3 (F/C Head)	Max Allowed Power	24.5	23.5	23.5	23.5
	Nominal	23.5	22.5	22.5	22.5
DSI = 4 (F/O Grip)	Max Allowed Power	13.0	12.0	12.0	12.0
	Nominal	12.0	11.0	11.0	11.0
DSI = 5 (F/C Grip)	Max Allowed Power	19.0	18.0	18.0	18.0
	Nominal	18.0	17.0	17.0	17.0
UMTS Band 2 (1900 MHz)					
Antenna B					
Power Level		Modulated Average Output Power			
		3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
Pmax	Max Allowed Power	24.8	23.8	23.8	23.8
	Nominal	23.8	22.8	22.8	22.8
DSI = 0 (F/O Body)	Max Allowed Power	13.0	12.0	12.0	12.0
	Nominal	12.0	11.0	11.0	11.0
DSI = 1 (F/C Body)	Max Allowed Power	19.0	18.0	18.0	18.0
	Nominal	18.0	17.0	17.0	17.0
DSI = 3 (F/C Head)	Max Allowed Power	24.8	23.8	23.8	23.8
	Nominal	23.8	22.8	22.8	22.8
DSI = 4 (F/O Grip)	Max Allowed Power	13.0	12.0	12.0	12.0
	Nominal	12.0	11.0	11.0	11.0
DSI = 5 (F/C Grip)	Max Allowed Power	19.0	18.0	18.0	18.0
	Nominal	18.0	17.0	17.0	17.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Mode / Band	Antenna		Modulated Average Output Power (in dBm)					
			Pmax	DSI = 0 (F/O Body)	DSI = 1 (F/C Body)	DSI = 3 (F/C Head)	DSI = 4 (F/O Grip)	DSI = 5 (F/C Grip)
LTE Band 71	A, A+C	Max Allowed Power	25.2	19.5	25.2	25.2	19.5	25.2
		Nominal	24.2	18.5	24.2	24.2	18.5	24.2
LTE Band 71	E	Max Allowed Power	25.2	20.0	25.2	25.2	20.0	25.2
		Nominal	24.2	19.0	24.2	24.2	19.0	24.2
LTE Band 12	A, A+C	Max Allowed Power	25.2	19.5	25.2	25.2	19.5	25.2
		Nominal	24.2	18.5	24.2	24.2	18.5	24.2
LTE Band 12	E	Max Allowed Power	25.2	20.0	25.2	25.2	20.0	25.2
		Nominal	24.2	19.0	24.2	24.2	19.0	24.2
LTE Band 13	A, A+C	Max Allowed Power	25.5	19.5	25.5	25.5	19.5	25.5
		Nominal	24.5	18.5	24.5	24.5	18.5	24.5
LTE Band 13	E	Max Allowed Power	25.5	20.0	25.5	25.5	20.0	25.5
		Nominal	24.5	19.0	24.5	24.5	19.0	24.5
LTE Band 14	A, A+C	Max Allowed Power	25.5	19.5	25.5	25.5	19.5	25.5
		Nominal	24.5	18.5	24.5	24.5	18.5	24.5
LTE Band 14	E	Max Allowed Power	25.5	20.0	25.5	25.5	20.0	25.5
		Nominal	24.5	19.0	24.5	24.5	19.0	24.5
LTE Band 26	A, A+C	Max Allowed Power	25.5	19.0	25.5	25.5	19.0	25.5
		Nominal	24.5	18.0	24.5	24.5	18.0	24.5
LTE Band 26	E	Max Allowed Power	25.0	21.0	25.0	25.0	21.0	25.0
		Nominal	24.0	20.0	24.0	24.0	20.0	24.0
LTE Band 5	A, A+C	Max Allowed Power	25.0	19.0	25.0	25.0	19.0	25.0
		Nominal	24.0	18.0	24.0	24.0	18.0	24.0
LTE Band 5	E	Max Allowed Power	25.0	21.0	25.0	25.0	21.0	25.0
		Nominal	24.0	20.0	24.0	24.0	20.0	24.0
LTE Band 66/4	B	Max Allowed Power	25.5	13.0	19.0	25.5	13.0	19.0
		Nominal	24.5	12.0	18.0	24.5	12.0	18.0
LTE Band 66/4	G	Max Allowed Power	25.5	22.0	18.0	20.5	12.0	18.0
		Nominal	24.5	21.0	17.0	19.5	11.0	17.0
LTE Band 25/2	B	Max Allowed Power	25.0	13.0	18.5	25.0	13.0	18.5
		Nominal	24.0	12.0	17.5	24.0	12.0	17.5
LTE Band 25/2	G	Max Allowed Power	25.0	22.0	18.0	20.5	11.5	18.0
		Nominal	24.0	21.0	17.0	19.5	10.5	17.0
LTE Band 30	B	Max Allowed Power	25.0	12.0	20.0	25.0	12.0	20.0
		Nominal	24.0	11.0	19.0	24.0	11.0	19.0
LTE Band 30	G	Max Allowed Power	24.5	22.0	19.0	19.5	10.5	19.0
		Nominal	23.5	21.0	18.0	18.5	9.5	18.0
LTE Band 7	B	Max Allowed Power	25.0	12.0	20.0	25.0	12.0	20.0
		Nominal	24.0	11.0	19.0	24.0	11.0	19.0
LTE Band 7	G	Max Allowed Power	25.0	18.5	17.5	18.0	10.0	17.5
		Nominal	24.0	17.5	16.5	17.0	9.0	16.5
LTE Band 41/38	B	Max Allowed Power	25.0	14.0	20.5	25.0	14.0	20.5
		Nominal	24.0	13.0	19.5	24.0	13.0	19.5
LTE Band 41/38	G	Max Allowed Power	25.0	22.0	19.5	19.0	12.0	19.5
		Nominal	24.0	21.0	18.5	18.0	11.0	18.5
LTE Band 48	F	Max Allowed Power	24.0	12.0	21.0	23.0	12.0	21.0
		Nominal	23.0	11.0	20.0	22.0	11.0	20.0
LTE Band 48	C	Max Allowed Power	24.0	13.0	21.0	24.0	13.0	21.0
		Nominal	23.0	12.0	20.0	23.0	12.0	20.0

For LTE TDD, the above powers listed are TDD burst average values.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Mode / Band	Antenna		Modulated Average Output Power (in dBm)					
			Pmax	DSI = 0 (F/O Body)	DSI = 1 (F/C Body)	DSI = 3 (F/C Head)	DSI = 4 (F/O Grip)	DSI = 5 (F/C Grip)
NR Band n71	A, A+C	Max Allowed Power	25.0	19.5	25.0	25.0	19.5	25.0
		Nominal	24.0	18.5	24.0	24.0	18.5	24.0
NR Band n71	E	Max Allowed Power	25.0	20.0	25.0	25.0	20.0	25.0
		Nominal	24.0	19.0	24.0	24.0	19.0	24.0
NR Band n12	A, A+C	Max Allowed Power	25.0	19.5	25.0	25.0	19.5	25.0
		Nominal	24.0	18.5	24.0	24.0	18.5	24.0
NR Band n12	E	Max Allowed Power	25.0	20.0	25.0	25.0	20.0	25.0
		Nominal	24.0	19.0	24.0	24.0	19.0	24.0
NR Band n14	A, A+C	Max Allowed Power	25.0	19.5	25.0	25.0	19.5	25.0
		Nominal	24.0	18.5	24.0	24.0	18.5	24.0
NR Band n14	E	Max Allowed Power	25.0	20.0	25.0	25.0	20.0	25.0
		Nominal	24.0	19.0	24.0	24.0	19.0	24.0
NR Band n26	A, A+C	Max Allowed Power	25.0	19.0	25.0	25.0	19.0	25.0
		Nominal	24.0	18.0	24.0	24.0	18.0	24.0
NR Band n26	E	Max Allowed Power	25.0	21.0	25.0	25.0	21.0	25.0
		Nominal	24.0	20.0	24.0	24.0	20.0	24.0
NR Band n5	A, A+C	Max Allowed Power	25.0	19.0	25.0	25.0	19.0	25.0
		Nominal	24.0	18.0	24.0	24.0	18.0	24.0
NR Band n5	E	Max Allowed Power	25.0	21.0	25.0	25.0	21.0	25.0
		Nominal	24.0	20.0	24.0	24.0	20.0	24.0
NR Band n70	B	Max Allowed Power	24.5	13.0	20.5	24.5	13.0	20.5
		Nominal	23.5	12.0	19.5	23.5	12.0	19.5
NR Band n70	G	Max Allowed Power	24.5	22.0	18.0	20.0	12.0	18.0
		Nominal	23.5	21.0	17.0	19.0	11.0	17.0
NR Band n66	B	Max Allowed Power	25.0	13.0	19.0	25.0	13.0	19.0
		Nominal	24.0	12.0	18.0	24.0	12.0	18.0
NR Band n66	G	Max Allowed Power	25.0	22.0	18.0	20.5	12.0	18.0
		Nominal	24.0	21.0	17.0	19.5	11.0	17.0
NR Band n25/n2	B	Max Allowed Power	25.0	13.0	18.5	25.0	13.0	18.5
		Nominal	24.0	12.0	17.5	24.0	12.0	17.5
NR Band n25/n2	G	Max Allowed Power	25.0	22.0	18.0	20.5	11.5	18.0
		Nominal	24.0	21.0	17.0	19.5	10.5	17.0
NR Band n30	B	Max Allowed Power	24.0	12.0	20.0	24.0	12.0	20.0
		Nominal	23.0	11.0	19.0	23.0	11.0	19.0
NR Band n30	G	Max Allowed Power	24.0	22.0	19.0	19.5	10.5	19.0
		Nominal	23.0	21.0	18.0	18.5	9.5	18.0
NR Band n7	B	Max Allowed Power	24.0	12.0	20.0	24.0	12.0	20.0
		Nominal	23.0	11.0	19.0	23.0	11.0	19.0
NR Band n7	G	Max Allowed Power	24.0	18.5	17.5	18.0	10.0	17.5
		Nominal	23.0	17.5	16.5	17.0	9.0	16.5
NR Band n41 PC3 (Path 1)	G	Max Allowed Power	25.0	20.0	17.5	17.0	10.0	17.5
		Nominal	24.0	19.0	16.5	16.0	9.0	16.5
NR Band n41 PC3 (Path 1)	B	Max Allowed Power	21.0	12.0	18.5	21.0	12.0	18.5
		Nominal	20.0	11.0	17.5	20.0	11.0	17.5
NR Band n41 PC3 (Path 1)	H	Max Allowed Power	21.5	8.0	15.0	15.0	8.0	15.0
		Nominal	20.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC3 (Path 1)	D	Max Allowed Power	19.5	8.0	15.0	15.0	8.0	15.0
		Nominal	18.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC2 (Path 1)	G	Max Allowed Power	27.0	20.0	17.5	17.0	10.0	17.5
		Nominal	26.0	19.0	16.5	16.0	9.0	16.5
NR Band n41 PC2 (Path 1)	B	Max Allowed Power	21.0	12.0	18.5	21.0	12.0	18.5
		Nominal	20.0	11.0	17.5	20.0	11.0	17.5
NR Band n41 PC2 (Path 1)	H	Max Allowed Power	21.5	8.0	15.0	15.0	8.0	15.0
		Nominal	20.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC2 (Path 1)	D	Max Allowed Power	19.5	8.0	15.0	15.0	8.0	15.0
		Nominal	18.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC3 (Path 2)	B	Max Allowed Power	25.0	12.0	18.5	25.0	12.0	18.5
		Nominal	24.0	11.0	17.5	24.0	11.0	17.5
NR Band n41 PC3 (Path 2)	G	Max Allowed Power	22.5	15.0	15.0	15.0	10.0	15.0
		Nominal	21.5	14.0	14.0	14.0	9.0	14.0
NR Band n41 PC3 (Path 2)	D	Max Allowed Power	24.5	8.0	15.0	15.0	8.0	15.0
		Nominal	23.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC3 (Path 2)	H	Max Allowed Power	17.0	8.0	9.0	9.0	8.0	9.0
		Nominal	16.0	7.0	8.0	8.0	7.0	8.0
NR Band n41 PC2 (Path 2)	B	Max Allowed Power	27.0	12.0	18.5	25.0	12.0	18.5
		Nominal	26.0	11.0	17.5	24.0	11.0	17.5
NR Band n41 PC2 (Path 2)	G	Max Allowed Power	22.5	15.0	15.0	15.0	10.0	15.0
		Nominal	21.5	14.0	14.0	14.0	9.0	14.0
NR Band n41 PC2 (Path 2)	D	Max Allowed Power	24.5	8.0	15.0	15.0	8.0	15.0
		Nominal	23.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC2 (Path 2)	H	Max Allowed Power	17.0	8.0	9.0	9.0	8.0	9.0
		Nominal	16.0	7.0	8.0	8.0	7.0	8.0
NR Band n41 PC1.5 UL-MIMO	G	Max Allowed Power	27.0	20.0	17.5	17.0	10.0	17.5
		Nominal	26.0	19.0	16.5	16.0	9.0	16.5
NR Band n41 PC1.5 UL-MIMO	B	Max Allowed Power	27.0	12.0	18.5	25.0	12.0	18.5
		Nominal	26.0	11.0	17.5	24.0	11.0	17.5
NR Band n41 PC1.5	H	Max Allowed Power	21.5	8.0	15.0	15.0	8.0	15.0
		Nominal	20.5	7.0	14.0	14.0	7.0	14.0
NR Band n41 PC1.5	D	Max Allowed Power	24.5	8.0	15.0	15.0	8.0	15.0
		Nominal	23.5	7.0	14.0	14.0	7.0	14.0
NR Band n38 (Path 1)	G	Max Allowed Power	25.0	20.0	17.5	17.0	10.0	17.5
		Nominal	24.0	19.0	16.5	16.0	9.0	16.5
NR Band n38 (Path 2)	B	Max Allowed Power	25.0	12.0	18.5	25.0	12.0	18.5
		Nominal	24.0	11.0	17.5	24.0	11.0	17.5
NR Band n48 (Path 1)	F	Max Allowed Power	24.5	10.0	19.0	21.0	10.0	19.0
		Nominal	23.5	9.0	18.0	20.0	9.0	18.0
NR Band n48 (Path 1)	C	Max Allowed Power	18.0	10.0	18.0	18.0	10.0	18.0
		Nominal	17.0	9.0	17.0	17.0	9.0	17.0
NR Band n48 (Path 1)	G	Max Allowed Power	23.0	8.0	15.0	15.0	8.0	15.0
		Nominal	22.0	7.0	14.0	14.0	7.0	14.0
NR Band n48 (Path 1)	A	Max Allowed Power	17.0	8.0	15.0	15.0	8.0	15.0
		Nominal	16.0	7.0	14.0	14.0	7.0	14.0
NR Band n48 (Path 2)	C	Max Allowed Power	24.5	10.0	19.0	24.5	10.0	19.0
		Nominal	23.5	9.0	18.0	23.5	9.0	18.0
NR Band n48 (Path 2)	F	Max Allowed Power	21.0	10.0	19.0	21.0	10.0	19.0
		Nominal	20.0	9.0	18.0	20.0	9.0	18.0
NR Band n48 (Path 2)	A	Max Allowed Power	23.0	8.0	15.0	15.0	8.0	15.0
		Nominal	22.0	7.0	14.0	14.0	7.0	14.0
NR Band n48 (Path 2)	G	Max Allowed Power	20.0	8.0	15.0	15.0	8.0	15.0
		Nominal	19.0	7.0	14.0	14.0	7.0	14.0
NR Band n78 PC2 (Path 1)	F	Max Allowed Power	27.0	10.5	19.5	21.0	10.5	19.5
		Nominal	26.0	9.5	18.5	20.0	9.5	18.5
NR Band n78 PC2 (Path 1)	C	Max Allowed Power	21.0	11.0	18.5	18.5	11.0	18.5
		Nominal	20.0	10.0	17.5	17.5	10.0	17.5
NR Band n78 PC2 (Path 1)	G	Max Allowed Power	25.5	8.0	15.0	15.0	8.0	15.0
		Nominal	24.5	7.0	14.0	14.0	7.0	14.0
NR Band n78 PC2 (Path 1)	A	Max Allowed Power	20.0	8.0	15.0	15.0	8.0	15.0
		Nominal	19.0	7.0	14.0	14.0	7.0	14.0
NR Band n78 PC2 (Path 2)	C	Max Allowed Power	27.0	11.0	18.5	26.0	11.0	18.5
		Nominal	26.0	10.0	17.5	25.0	10.0	17.5
NR Band n78 PC2 (Path 2)	F	Max Allowed Power	24.0	10.5	19.5	21.0	10.5	19.5
		Nominal	23.0	9.5	18.5	20.0	9.5	18.5
NR Band n78 PC2 (Path 2)	A	Max Allowed Power	23.5	8.0	15.0	15.0	8.0	15.0
		Nominal	22.5	7.0	14.0	14.0	7.0	14.0
NR Band n78 PC2 (Path 2)	G	Max Allowed Power	23.0	8.0	15.0	15.0	8.0	15.0
		Nominal	22.0	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC2 (Path 1)	F	Max Allowed Power	27.0	10.5	19.5	21.0	10.5	19.5
		Nominal	26.0	9.5	18.5	20.0	9.5	18.5
NR Band n77 PC2 (Path 1)	C	Max Allowed Power	21.0	11.0	18.5	18.5	11.0	18.5
		Nominal	20.0	10.0	17.5	17.5	10.0	17.5
NR Band n77 PC2 (Path 1)	G	Max Allowed Power	25.5	8.0	15.0	15.0	8.0	15.0
		Nominal	24.5	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC2 (Path 1)	A	Max Allowed Power	20.0	8.0	15.0	15.0	8.0	15.0
		Nominal	19.0	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC2 (Path 2)	C	Max Allowed Power	27.0	11.0	18.5	26.0	11.0	18.5
		Nominal	26.0	10.0	17.5	25.0	10.0	17.5
NR Band n77 PC2 (Path 2)	F	Max Allowed Power	24.0	10.5	19.5	21.0	10.5	19.5
		Nominal	23.0	9.5	18.5	20.0	9.5	18.5
NR Band n77 PC2 (Path 2)	A	Max Allowed Power	23.5	8.0	15.0	15.0	8.0	15.0
		Nominal	22.5	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC2 (Path 2)	G	Max Allowed Power	23.0	8.0	15.0	15.0	8.0	15.0
		Nominal	22.0	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC1.5 UL-MIMO	F	Max Allowed Power	27.0	10.5	19.5	21.0	10.5	19.5
		Nominal	26.0	9.5	18.5	20.0	9.5	18.5
NR Band n77 PC1.5 UL-MIMO	C	Max Allowed Power	27.0	11.0	18.5	26.0	11.0	18.5
		Nominal	26.0	10.0	17.5	25.0	10.0	17.5
NR Band n77 PC1.5	G	Max Allowed Power	25.5	8.0	15.0	15.0	8.0	15.0
		Nominal	24.5	7.0	14.0	14.0	7.0	14.0
NR Band n77 PC1.5	A	Max Allowed Power	23.5	8.0	15.0	15.0	8.0	15.0
		Nominal	22.5	7.0	14.0	14.0	7.0	14.0

For NR TDD, the above powers listed are TDD burst average and framed average values

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

2.4.2 NTN Satellite Output Power

Mode / Band	Antenna		Modulated Average Output Power (in dBm)		
			Maximum Power	Folder Open - Grip Sensor Active	Folder Close - Grip Sensor Active
NTN Band 255	G	Max Allowed Power	25.0	14.0	21.0
		Nominal	24.0	13.0	20.0

2.4.3 2.4 GHz WLAN Output Power

The table below is applicable in the following conditions:

- Pmax, DSI = 3 (F/C Head)

Band	IEEE 802.11 Modulated Output Power (in dBm)																																									
	SISO Antenna H														SISO Antenna F												SISO in MIMO MIMO															
	b		g		n		ac		ac (80)		be (80)		b		g		n		ac		ac (80)		be (80)		b (CDD + STBC)		g (CDD + STBC)		n (CDD + STBC, SDM)		ac (CDD + STBC, SDM)		ac (80) (CDD + STBC, SDM)		be (80) (CDD + STBC, SDM)							
Maximum / Nominal Power	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.				
2.4 GHz WLAN	20.0	19.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	20.0	19.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	20.0	19.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0						

The table below is applicable in the following conditions:

- DSI = 1 (F/C Body), DSI = 5 (F/C Grip)

Band	IEEE 802.11 Modulated Output Power (in dBm)																																									
	SISO Antenna H														SISO Antenna F												SISO in MIMO MIMO															
	b		g		n		ac		ac (80)		be (80)		b		g		n		ac		ac (80)		be (80)		b (CDD + STBC)		g (CDD + STBC)		n (CDD + STBC, SDM)		ac (CDD + STBC, SDM)		ac (80) (CDD + STBC, SDM)		be (80) (CDD + STBC, SDM)							
Maximum / Nominal Power	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.				
2.4 GHz WLAN	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0						

The table below is applicable in the following conditions:

- DSI = 0 (F/O Body), DSI = 4 (F/O Grip)

Band	IEEE 802.11 Modulated Output Power (in dBm)																																									
	SISO Antenna H														SISO Antenna F												SISO in MIMO MIMO															
	b		g		n		ac		ac (80)		be (80)		b		g		n		ac		ac (80)		be (80)		b (CDD + STBC)		g (CDD + STBC)		n (CDD + STBC, SDM)		ac (CDD + STBC, SDM)		ac (80) (CDD + STBC, SDM)		be (80) (CDD + STBC, SDM)							
Maximum / Nominal Power	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.				
2.4 GHz WLAN	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0						

2.4.4 5 GHz WLAN Output Power

The table below is applicable in the following conditions:

- Pmax, DSI = 3 (F/C Head)

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																																								
		SISO Antenna F										SISO Antenna E										SISO in MIMO MIMO																				
		a		n		ac		ac (SU)		be (SU)		a		n		ac		ac (SU)		be (SU)		a (CDD + STBC)		n (CDD + STBC, SDM)		ac (CDD + STBC, SDM)		ac (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)											
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.										
5 GHz WiFi (20MHz BW)	UNII-1	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0									
	UNII-2A	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0									
	UNII-2C	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0									
	UNII-3	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0									
	UNII-4	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0									
5 GHz WiFi (40MHz BW)	UNII-1			18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0			18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0			18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0	18.0 ch. 38: 10.0	17.0 9.0									
	UNII-2A			18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5			18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5			18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5	18.0 ch. 62: 11.5	17.0 10.5									
	UNII-2C			18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5			18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5			18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5	18.0 ch. 102: 13.5	17.0 12.5									
	UNII-3			18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0			18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0			18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0									
	UNII-4			18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0			18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0			18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0	17.0									
5 GHz WiFi (80MHz BW)	UNII-1					11.0	10.0	11.0	10.0	11.0	10.0					11.0	10.0	11.0	10.0	11.0	10.0							11.0	10.0	11.0	10.0	11.0	10.0									
	UNII-2A					11.0	10.0	11.0	10.0	11.0	10.0					11.0	10.0	11.0	10.0	11.0	10.0							11.0	10.0	11.0	10.0	11.0	10.0									
	UNII-2C					18.0 ch. 106: 14.0	17.0 13.0	18.0 ch. 106: 14.0	17.0 13.0	18.0 ch. 106: 14.0	17.0 13.0					18.0 ch. 106: 14.0	17.0 13.0	18.0 ch. 106: 14.0	17.0 13.0	18.0 ch. 106: 14.0	17.0 13.0							18.0 ch. 106: 14.0	17.0 13.0	18.0 ch. 106: 14.0	17.0 13.0	18.0 ch. 106: 14.0	17.0 13.0									
	UNII-3					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0							15.0	14.0	15.0	14.0	15.0	14.0									
	UNII-4					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0							15.0	14.0	15.0	14.0	15.0	14.0									
5 GHz WiFi (160MHz BW)	UNII-1/2A					13.0	12.0	13.0	12.0	13.0	12.0					13.0	12.0	13.0	12.0	13.0	12.0							13.0	12.0	13.0	12.0	13.0	12.0									
	UNII-2C					15.5	14.5	15.5	14.5	15.5	14.5					15.5	14.5	15.5	14.5	15.5	14.5							15.5	14.5	15.5	14.5	15.5	14.5									
	UNII-3/4					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0							15.0	14.0	15.0	14.0	15.0	14.0									

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

The table below is applicable in the following conditions:

- DSI = 1 (F/C Body), DSI = 5 (F/C Grip)

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																																	
		SISO Antenna F												SISO Antenna E										SISO in MIMO MIMO											
		a		n		ac		ax (SU)		be (SU)		a		n		ac		ax (SU)		be (SU)		a (CDD + STBC)		n (CDD + STBC, SDM)		ac (CDD + STBC, SDM)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)			
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
5 GHz WiFi (20MHz BW)	UNII-1	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
	UNII-2A	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
	UNII-2C	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
	UNII-3	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
	UNII-4	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
5 GHz WiFi (40MHz BW)	UNII-1			17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0			17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0			17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0	17.0 ch. 38: 10.0	16.0 9.0
	UNII-2A			17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5			17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5			17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5	17.0 ch. 62: 11.5	16.0 10.5
	UNII-2C			17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5			17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5			17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5	17.0 ch. 102: 13.5	16.0 12.5
	UNII-3			17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
	UNII-4			17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0	16.0
5 GHz WiFi (80MHz BW)	UNII-1					11.0	10.0	11.0	10.0	11.0	10.0					11.0	10.0	11.0	10.0	11.0	10.0					11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
	UNII-2A					11.0	10.0	11.0	10.0	11.0	10.0					11.0	10.0	11.0	10.0	11.0	10.0					11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
	UNII-2C					17.0 ch. 106: 14.0	16.0 13.0	17.0 ch. 106: 14.0	16.0 13.0	17.0 ch. 106: 14.0	16.0 13.0					17.0 ch. 106: 14.0	16.0 13.0	17.0 ch. 106: 14.0	16.0 13.0	17.0 ch. 106: 14.0	16.0 13.0					17.0 ch. 106: 14.0	16.0 13.0	17.0 ch. 106: 14.0	16.0 13.0	17.0 ch. 106: 14.0	16.0 13.0	17.0 ch. 106: 14.0	16.0 13.0
	UNII-3					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0	15.0	14.0
	UNII-4					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0	15.0	14.0
5 GHz WiFi (160MHz BW)	UNII-12A					13.0	12.0	13.0	12.0	13.0	12.0					13.0	12.0	13.0	12.0	13.0	12.0					13.0	12.0	13.0	12.0	13.0	12.0	13.0	12.0
	UNII-2C					15.5	14.5	15.5	14.5	15.5	14.5					15.5	14.5	15.5	14.5	15.5	14.5					15.5	14.5	15.5	14.5	15.5	14.5	15.5	14.5
	UNII-3/4					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0					15.0	14.0	15.0	14.0	15.0	14.0	15.0	14.0

The table below is applicable in the following conditions:

- DSI = 0 (F/O Body), DSI = 4 (F/O Grip)

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																																	
		SISO Antenna F												SISO Antenna E										SISO in MIMO MIMO											
		a		n		ac		ax (SU)		be (SU)		a		n		ac		ax (SU)		be (SU)		a (CDD + STBC)		n (CDD + STBC, SDM)		ac (CDD + STBC, SDM)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)			
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
5 GHz WiFi (20MHz BW)	UNII-1	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-2A	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-2C	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-3	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-4	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
5 GHz WiFi (40MHz BW)	UNII-1			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-2A			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-2C			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-3			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-4			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
5 GHz WiFi (80MHz BW)	UNII-1					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-2A					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-2C					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-3					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-4					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
5 GHz WiFi (160MHz BW)	UNII-12A					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-2C					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-3/4					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0					10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0

2.4.5 6 GHz WLAN Output Power

The table below is applicable in the following conditions:

- Pmax, DSI = 3 (F/C Head)

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO Antenna F						SISO Antenna E						SISO in MIMO MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WiFi (20MHz BW) - SP	UNII-5	17.0 ch. 2: 12.0	16.0 11.0	17.0 ch. 2: 10.0	16.0 9.0	17.0 ch. 2: 10.0	16.0 9.0	17.0 ch. 2: 12.0	16.0 11.0	17.0 ch. 2: 10.0	16.0 9.0	17.0 ch. 2: 10.0	16.0 9.0	17.0 ch. 2: 12.0	16.0 11.0	17.0 ch. 2: 10.0	16.0 9.0	17.0 ch. 2: 10.0	16.0 9.0
	UNII-7	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5
6 GHz WiFi (40MHz BW) - SP	UNII-5			17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0
	UNII-7			17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0			17.0	16.0	17.0	16.0
6 GHz WiFi (80MHz BW) - SP	UNII-5			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
	UNII-7			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
6 GHz WiFi (160MHz BW) - SP	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WiFi (320MHz BW) - SP	UNII-5					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-7					15.0	14.0					15.0	14.0					15.0	14.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna E						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WIFI (20MHz BW) - LPI	UNII-5	11.0	10.0	11.0 ch. 2: 10.0	10.0 9.0	11.0 ch. 2: 10.0	10.0 9.0	11.0	10.0	11.0 ch. 2: 10.0	10.0 9.0	11.0 ch. 2: 10.0	10.0 9.0	11.0	10.0	11.0 ch. 2: 10.0	10.0 9.0	11.0 ch. 2: 10.0	10.0 9.0
	UNII-6	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
	UNII-7	10.0	9.0	11.0	10.0	11.0	10.0	10.0	9.0	11.0	10.0	11.0	10.0	10.0	9.0	11.0	10.0	11.0	10.0
	UNII-8	10.0	9.0	11.0	10.0	11.0	10.0	10.0	9.0	11.0	10.0	11.0	10.0	10.0	9.0	11.0	10.0	11.0	10.0
6 GHz WIFI (40MHz BW) - LPI	UNII-5			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
	UNII-6			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
	UNII-7			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
	UNII-8			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
6 GHz WIFI (80MHz BW) - LPI	UNII-5			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
	UNII-6			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
	UNII-7			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
	UNII-8			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0			16.0	15.0	16.0	15.0
6 GHz WIFI (160MHz BW) - LPI	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-6			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-8			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WIFI (320MHz BW) - LPI	UNII-5					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-6					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-7					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-8					15.0	14.0					15.0	14.0					15.0	14.0

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna E						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WIFI (20MHz BW) - VLP	UNII-5	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-7	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
6 GHz WIFI (40MHz BW) - VLP	UNII-5			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
	UNII-7			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
6 GHz WIFI (80MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WIFI (160MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WIFI (320MHz BW) - VLP	UNII-5					12.0	11.0					12.0	11.0					12.0	11.0
	UNII-7					12.0	11.0					12.0	11.0					12.0	11.0

The table below is applicable in the following conditions:

- DSI = 1 (F/C Body), DSI = 5 (F/C Grip)

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna E						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WIFI (20MHz BW) - SP	UNII-5	15.0 ch. 2: 12.0	14.0 11.0	15.0 ch. 2: 10.0	14.0 9.0	15.0 ch. 2: 10.0	14.0 9.0	15.0 ch. 2: 12.0	14.0 11.0	15.0 ch. 2: 10.0	14.0 9.0	15.0 ch. 2: 10.0	14.0 9.0	15.0 ch. 2: 12.0	14.0 11.0	15.0 ch. 2: 10.0	14.0 9.0	15.0 ch. 2: 10.0	14.0 9.0
	UNII-7	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5	14.5	13.5
6 GHz WIFI (40MHz BW) - SP	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WIFI (80MHz BW) - SP	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WIFI (160MHz BW) - SP	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WIFI (320MHz BW) - SP	UNII-5					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-7					15.0	14.0					15.0	14.0					15.0	14.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO Antenna F						SISO Antenna E						SISO in MIMO MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WIFI (20MHz BW) - LPI	UNII-5	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
				ch. 2: 10.0	9.0	ch. 2: 10.0	9.0			ch. 2: 10.0	9.0	ch. 2: 10.0	9.0			ch. 2: 10.0	9.0	ch. 2: 10.0	9.0
	UNII-6	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0	11.0	10.0
	UNII-7	10.0	9.0	11.0	10.0	11.0	10.0	10.0	9.0	11.0	10.0	11.0	10.0	10.0	9.0	11.0	10.0	11.0	10.0
	UNII-8	10.0	9.0	11.0	10.0	11.0	10.0	10.0	9.0	11.0	10.0	11.0	10.0	10.0	9.0	11.0	10.0	11.0	10.0
6 GHz WIFI (40MHz BW) - LPI	UNII-5			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
	UNII-6			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
	UNII-7			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
	UNII-8			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0			13.0	12.0	13.0	12.0
6 GHz WIFI (80MHz BW) - LPI	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-6			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-8			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WIFI (160MHz BW) - LPI	UNII-5			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-6			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-7			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
	UNII-8			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0			15.0	14.0	15.0	14.0
6 GHz WIFI (320MHz BW) - LPI	UNII-5					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-6					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-7					15.0	14.0					15.0	14.0					15.0	14.0
	UNII-8					15.0	14.0					15.0	14.0					15.0	14.0

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO Antenna F						SISO Antenna E						SISO in MIMO MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WIFI (20MHz BW) - VLP	UNII-5	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-7	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
6 GHz WIFI (40MHz BW) - VLP	UNII-5			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
	UNII-7			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
6 GHz WIFI (80MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WIFI (160MHz BW) - VLP	UNII-5			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
	UNII-7			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0			12.0	11.0	12.0	11.0
6 GHz WIFI (320MHz BW) - VLP	UNII-5					12.0	11.0					12.0	11.0					12.0	11.0
	UNII-7					12.0	11.0					12.0	11.0					12.0	11.0

The table below is applicable in the following conditions:

- DSI = 0 (F/O Body), DSI = 4 (F/O Grip)

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO Antenna F						SISO Antenna E						SISO in MIMO MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WIFI (20MHz BW) - SP	UNII-5	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-7	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
6 GHz WIFI (40MHz BW) - SP	UNII-5			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-7			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
6 GHz WIFI (80MHz BW) - SP	UNII-5			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-7			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
6 GHz WIFI (160MHz BW) - SP	UNII-5			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-7			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
6 GHz WIFI (320MHz BW) - SP	UNII-5					10.0	9.0					10.0	9.0					10.0	9.0
	UNII-7					10.0	9.0					10.0	9.0					10.0	9.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna E						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WIFI (20MHz BW) - LPI	UNII-5	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-6	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-7	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
	UNII-8	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0	9.0
6 GHz WIFI (40MHz BW) - LPI	UNII-5			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-6			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-7			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-8			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
6 GHz WIFI (80MHz BW) - LPI	UNII-5			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-6			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-7			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-8			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
6 GHz WIFI (160MHz BW) - LPI	UNII-5			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-6			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-7			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-8			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
6 GHz WIFI (320MHz BW) - LPI	UNII-5					10.0	9.0					10.0	9.0					10.0	9.0
	UNII-6					10.0	9.0					10.0	9.0					10.0	9.0
	UNII-7					10.0	9.0					10.0	9.0					10.0	9.0
	UNII-8					10.0	9.0					10.0	9.0					10.0	9.0

Mode	Band	IEEE 802.11 Modulated Output Power (in dBm)																	
		SISO						SISO						SISO in MIMO					
		Antenna F						Antenna E						MIMO					
		a		ax (SU)		be (SU)		a		ax (SU)		be (SU)		a (CDD + STBC)		ax (SU) (CDD + STBC, SDM)		be (SU) (CDD + STBC, SDM)	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.	Max	Nom.
6 GHz WIFI (20MHz BW) - VLP	UNII-5	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
	UNII-7	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0	5.0
6 GHz WIFI (40MHz BW) - VLP	UNII-5			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
	UNII-7			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0			9.0	8.0	9.0	8.0
6 GHz WIFI (80MHz BW) - VLP	UNII-5			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-7			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
6 GHz WIFI (160MHz BW) - VLP	UNII-5			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
	UNII-7			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0			10.0	9.0	10.0	9.0
6 GHz WIFI (320MHz BW) - VLP	UNII-5					10.0	9.0					10.0	9.0					10.0	9.0
	UNII-7					10.0	9.0					10.0	9.0					10.0	9.0

2.4.6 2.4 GHz Maximum Bluetooth Output Power

The table below is applicable in the following conditions:

- Pmax, DSI = 1 (F/C Body), DSI = 3 (F/C Head), DSI = 5 (F/C Grip)

Mode	Data Rate	Modulated Output Power (in dBm)					
		Single Antenna				Dual Antenna	
		Antenna H		Antenna F		MIMO	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.
Bluetooth	1Mbps	20.0	19.0	20.0	19.0	18.5	17.5
Bluetooth EDR	2Mbps	16.0	15.0	16.5	15.5	15.5	14.5
Bluetooth EDR	3Mbps	16.0	15.0	16.5	15.5	15.5	14.5
Bluetooth LE	1Mbps	19.5	18.5	19.5	18.5	18.0	17.0
Bluetooth LE	2Mbps	19.5	18.5	19.5	18.5	18.0	17.0
Bluetooth LE	125kbps	12.0	11.0	12.0	11.0	N/A	N/A
Bluetooth LE	500kbps	12.0	11.0	12.0	11.0	N/A	N/A

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

The table below is applicable in the following conditions:

- DSI = 0 (F/O Body), DSI = 4 (F/O Grip)

Mode	Data Rate	Modulated Output Power (in dBm)					
		Single Antenna				Dual Antenna	
		Antenna H		Antenna F		MIMO	
Maximum / Nominal Power		Max	Nom.	Max	Nom.	Max	Nom.
Bluetooth	1Mbps	13.5	12.5	15.0	14.0	17.5	16.5
Bluetooth EDR	2Mbps	13.5	12.5	15.0	14.0	15.5	14.5
Bluetooth EDR	3Mbps	13.5	12.5	15.0	14.0	15.5	14.5
Bluetooth LE	1Mbps	13.5	12.5	15.0	14.0	17.5	16.5
Bluetooth LE	2Mbps	13.5	12.5	15.0	14.0	17.5	16.5
Bluetooth LE	125kbps	12.0	11.0	12.0	11.0	N/A	N/A
Bluetooth LE	500kbps	12.0	11.0	12.0	11.0	N/A	N/A

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

2.5 DUT Antenna Locations

The overall dimensions of this device are > 9 x 5 cm. A diagram showing the location of the device antennas can be found in DUT Antenna Diagram & SAR Test Setup Photographs Appendix. In the closed configuration, since the display diagonal dimension of this device is > 150 mm and <200 mm, it is considered a "phablet." In the open configuration, since the display diagonal dimension of this device is >200mm, it is considered a tablet. Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC filing.

Table 2-1
Device Edges/Sides for SAR Testing – Folder Closed

Antenna	Back	Front	Top	Bottom	Right	Left
A	Yes	Yes	No	Yes	Yes	No
B	Yes	Yes	No	Yes	No	Yes
C	Yes	Yes	No	Yes	Yes	Yes
A+C	Yes	Yes	No	Yes	Yes	Yes
D	Yes	Yes	No	No	Yes	No
E	Yes	Yes	Yes	No	Yes	No
F	Yes	Yes	Yes	No	No	Yes
G	Yes	Yes	Yes	No	Yes	No
H	Yes	Yes	No	No	Yes	No
J	Yes	No	Yes	No	Yes	No
MIMO	Yes	Yes	No	No	Yes	Yes

Note: Particular DUT edges were not required to be evaluated for wireless router SAR or phablet SAR if edges were greater than 2.5 cm from the transmitting antenna according to FCC KDB Publication 941225 D06v02r01 Section III and FCC KDB Publication 648474 D01v06r03. The distances between the transmit antennas and the edges of the device are included in the filing. When wireless router mode is enabled, NTN, 2.4 GHz Bluetooth Antenna F and MIMO, U-NII-1, U-NII-2A, U-NII-2C, U-NII-4, and WIFI6E operations are disabled.

Table 2-2
Device Edges/Sides for SAR Testing – Folder Open

Antenna	Back	Front	Top	Bottom	Right	Left
A+C	Yes	No	Yes	Yes	Yes	Yes
B	Yes	No	Yes	Yes	Yes	Yes
C	Yes	No	Yes	Yes	Yes	Yes
D	Yes	No	Yes	Yes	Yes	Yes
E	Yes	No	Yes	Yes	Yes	Yes
F	Yes	No	Yes	Yes	Yes	Yes
G	Yes	No	Yes	Yes	Yes	Yes
H	Yes	No	Yes	Yes	Yes	Yes
J	Yes	Yes	Yes	No	Yes	No
MIMO	Yes	No	Yes	Yes	Yes	Yes

Note: Per FCC KDB Publication 616217 D04v01r01, particular edges were not required to be evaluated for SAR based on the SAR exclusion threshold in KDB 447498 D04v01. Additional edges may have been evaluated for simultaneous transmission analysis.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

2.6 Near Field Communications (NFC) Antenna

This DUT has NFC operations. The NFC antenna is integrated into the device for this model. Therefore, all SAR tests were performed with the device which already incorporates the NFC antenna. A diagram showing the location of the NFC antenna can be found in DUT Antenna Diagram & SAR Test Setup Photographs Appendix.

2.7 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D04v01, transmitters are considered to be operating simultaneously when there is overlapping transmission, with the exception of transmissions during network hand-offs with maximum hand-off duration less than 30 seconds.

This device contains multiple transmitters that may operate simultaneously and therefore requires a simultaneous transmission analysis according to FCC KDB Publication 447498 D04v01 procedures.

Table 2-3
Simultaneous Transmission Scenarios

No.	Capable Transmit Configuration	Head	Body-Worn Accessory	Wireless Router	Phablet	Body	Notes
1	GSM voice + 2.4 GHz Bluetooth SISO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
2	GSM voice + 2.4 GHz Bluetooth MIMO	Yes	Yes	N/A	Yes	Yes	
3	GSM voice + 2.4 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
4	GSM voice + 2.4 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
5	GSM voice + 5 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
6	GSM voice + 5 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
7	GSM voice + 6 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
8	GSM voice + 6 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
9	GSM voice + 2.4 GHz WLAN MIMO + 5 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
10	GSM voice + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
11	GSM voice + 2.4 GHz WLAN MIMO + 6 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
12	GSM voice + 2.4 GHz WLAN MIMO + 6 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
13	GSM voice + 2.4 GHz WLAN SISO + 5 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
14	GSM voice + 2.4 GHz WLAN SISO + 5 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
15	GSM voice + 2.4 GHz WLAN SISO + 6 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
16	GSM voice + 2.4 GHz WLAN SISO + 6 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
17	GSM voice + 2.4 GHz Bluetooth SISO + 5 GHz WLAN SISO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
18	GSM voice + 2.4 GHz Bluetooth SISO + 5 GHz WLAN MIMO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
19	GSM voice + 2.4 GHz Bluetooth SISO + 6 GHz WLAN SISO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
20	GSM voice + 2.4 GHz Bluetooth SISO + 6 GHz WLAN MIMO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
21	GSM voice + 2.4 GHz Bluetooth MIMO + 5 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
22	GSM voice + 2.4 GHz Bluetooth MIMO + 5 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
23	GSM voice + 2.4 GHz Bluetooth MIMO + 6 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
24	GSM voice + 2.4 GHz Bluetooth MIMO + 6 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
25	GSM voice + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 5 GHz WLAN SISO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered
26	GSM voice + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 5 GHz WLAN MIMO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered
27	GSM voice + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 6 GHz WLAN SISO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered
28	GSM voice + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 6 GHz WLAN MIMO	Yes^	Yes	N/A	Yes	Yes	^ Bluetooth Tethering is considered
29	UMTS/LTE/NR + 2.4 GHz Bluetooth SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
30	UMTS/LTE/NR + 2.4 GHz Bluetooth MIMO	Yes	Yes	N/A	Yes	Yes	
31	UMTS/LTE/NR + 2.4 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
32	UMTS/LTE/NR + 2.4 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
33	UMTS/LTE/NR + 5 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
34	UMTS/LTE/NR + 5 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
35	UMTS/LTE/NR + 6 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
36	UMTS/LTE/NR + 6 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
37	UMTS/LTE/NR + 2.4 GHz WLAN MIMO + 5 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
38	UMTS/LTE/NR + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
39	UMTS/LTE/NR + 2.4 GHz WLAN MIMO + 6 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
40	UMTS/LTE/NR + 2.4 GHz WLAN MIMO + 6 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
41	UMTS/LTE/NR + 2.4 GHz WLAN SISO + 5 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
42	UMTS/LTE/NR + 2.4 GHz WLAN SISO + 5 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
43	UMTS/LTE/NR + 2.4 GHz WLAN SISO + 6 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
44	UMTS/LTE/NR + 2.4 GHz WLAN SISO + 6 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
45	UMTS/LTE/NR + 2.4 GHz Bluetooth SISO + 5 GHz WLAN SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
46	UMTS/LTE/NR + 2.4 GHz Bluetooth SISO + 5 GHz WLAN MIMO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
47	UMTS/LTE/NR + 2.4 GHz Bluetooth SISO + 6 GHz WLAN SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
48	UMTS/LTE/NR + 2.4 GHz Bluetooth SISO + 6 GHz WLAN MIMO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
49	UMTS/LTE/NR + 2.4 GHz Bluetooth MIMO + 5 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
50	UMTS/LTE/NR + 2.4 GHz Bluetooth MIMO + 5 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
51	UMTS/LTE/NR + 2.4 GHz Bluetooth MIMO + 6 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
52	UMTS/LTE/NR + 2.4 GHz Bluetooth MIMO + 6 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
53	UMTS/LTE/NR + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 5 GHz WLAN SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
54	UMTS/LTE/NR + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 5 GHz WLAN MIMO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
55	UMTS/LTE/NR + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 6 GHz WLAN SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
56	UMTS/LTE/NR + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 6 GHz WLAN MIMO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
57	LTE + NR	Yes	Yes	N/A	Yes	Yes	
58	LTE + NR + 2.4 GHz Bluetooth SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
59	LTE + NR + 2.4 GHz Bluetooth MIMO	Yes	Yes	N/A	Yes	Yes	
60	LTE + NR + 2.4 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
61	LTE + NR + 2.4 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
62	LTE + NR + 5 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
63	LTE + NR + 5 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
64	LTE + NR + 6 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
65	LTE + NR + 6 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
66	LTE + NR + 2.4 GHz WLAN MIMO + 5 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
67	LTE + NR + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
68	LTE + NR + 2.4 GHz WLAN MIMO + 6 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
69	LTE + NR + 2.4 GHz WLAN MIMO + 6 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
70	LTE + NR + 2.4 GHz WLAN SISO + 5 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
71	LTE + NR + 2.4 GHz WLAN SISO + 5 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
72	LTE + NR + 2.4 GHz WLAN SISO + 6 GHz WLAN SISO	Yes	Yes	Yes	Yes	Yes	
73	LTE + NR + 2.4 GHz WLAN SISO + 6 GHz WLAN MIMO	Yes	Yes	Yes	Yes	Yes	
74	LTE + NR + 2.4 GHz Bluetooth SISO + 5 GHz WLAN SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
75	LTE + NR + 2.4 GHz Bluetooth SISO + 5 GHz WLAN MIMO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
76	LTE + NR + 2.4 GHz Bluetooth SISO + 6 GHz WLAN SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
77	LTE + NR + 2.4 GHz Bluetooth SISO + 6 GHz WLAN MIMO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
78	LTE + NR + 2.4 GHz Bluetooth MIMO + 5 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
79	LTE + NR + 2.4 GHz Bluetooth MIMO + 5 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
80	LTE + NR + 2.4 GHz Bluetooth MIMO + 6 GHz WLAN SISO	Yes	Yes	N/A	Yes	Yes	
81	LTE + NR + 2.4 GHz Bluetooth MIMO + 6 GHz WLAN MIMO	Yes	Yes	N/A	Yes	Yes	
82	LTE + NR + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 5 GHz WLAN SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
83	LTE + NR + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 5 GHz WLAN MIMO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
84	LTE + NR + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 6 GHz WLAN SISO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
85	LTE + NR + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 6 GHz WLAN MIMO	Yes^	Yes	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
86	GPRS/EDGE + 2.4 GHz Bluetooth SISO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
87	GPRS/EDGE + 2.4 GHz Bluetooth MIMO	N/A	N/A	N/A	Yes	Yes	
88	GPRS/EDGE + 2.4 GHz WLAN SISO	N/A	N/A	Yes	Yes	Yes	
89	GPRS/EDGE + 2.4 GHz WLAN MIMO	N/A	N/A	N/A	Yes	Yes	
90	GPRS/EDGE + 5 GHz WLAN SISO	N/A	N/A	Yes	Yes	Yes	
91	GPRS/EDGE + 5 GHz WLAN MIMO	N/A	N/A	Yes	Yes	Yes	
92	GPRS/EDGE + 6 GHz WLAN SISO	N/A	N/A	Yes	Yes	Yes	
93	GPRS/EDGE + 6 GHz WLAN MIMO	N/A	N/A	Yes	Yes	Yes	
94	GPRS/EDGE + 2.4 GHz WLAN MIMO + 5 GHz WLAN SISO	N/A	N/A	N/A	Yes	Yes	
95	GPRS/EDGE + 2.4 GHz WLAN MIMO + 5 GHz WLAN MIMO	N/A	N/A	N/A	Yes	Yes	
96	GPRS/EDGE + 2.4 GHz WLAN MIMO + 6 GHz WLAN SISO	N/A	N/A	Yes	Yes	Yes	
97	GPRS/EDGE + 2.4 GHz WLAN MIMO + 6 GHz WLAN MIMO	N/A	N/A	Yes	Yes	Yes	
98	GPRS/EDGE + 2.4 GHz WLAN SISO + 5 GHz WLAN SISO	N/A	N/A	Yes	Yes	Yes	
99	GPRS/EDGE + 2.4 GHz WLAN SISO + 5 GHz WLAN MIMO	N/A	N/A	Yes	Yes	Yes	
100	GPRS/EDGE + 2.4 GHz WLAN SISO + 6 GHz WLAN SISO	N/A	N/A	Yes	Yes	Yes	
101	GPRS/EDGE + 2.4 GHz WLAN SISO + 6 GHz WLAN MIMO	N/A	N/A	Yes	Yes	Yes	
102	GPRS/EDGE + 2.4 GHz Bluetooth SISO + 5 GHz WLAN SISO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
103	GPRS/EDGE + 2.4 GHz Bluetooth SISO + 5 GHz WLAN MIMO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
104	GPRS/EDGE + 2.4 GHz Bluetooth SISO + 6 GHz WLAN SISO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
105	GPRS/EDGE + 2.4 GHz Bluetooth SISO + 6 GHz WLAN MIMO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered for Antenna H
106	GPRS/EDGE + 2.4 GHz Bluetooth MIMO + 5 GHz WLAN SISO	N/A	N/A	N/A	Yes	Yes	
107	GPRS/EDGE + 2.4 GHz Bluetooth MIMO + 5 GHz WLAN MIMO	N/A	N/A	N/A	Yes	Yes	
108	GPRS/EDGE + 2.4 GHz Bluetooth MIMO + 6 GHz WLAN SISO	N/A	N/A	N/A	Yes	Yes	
109	GPRS/EDGE + 2.4 GHz Bluetooth MIMO + 6 GHz WLAN MIMO	N/A	N/A	N/A	Yes	Yes	
110	GPRS/EDGE + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 5 GHz WLAN SISO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
111	GPRS/EDGE + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 5 GHz WLAN MIMO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
112	GPRS/EDGE + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 6 GHz WLAN SISO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered
113	GPRS/EDGE + 2.4 GHz Bluetooth Ant H + 2.4 GHz WLAN Ant F + 6 GHz WLAN MIMO	N/A	N/A	Yes^	Yes	Yes	^ Bluetooth Tethering is considered

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

1. SISO represents 2.4 GHz WLAN/BT transmission on Ant H or Ant F, and 5/6 GHz transmission on Ant F or Ant E.
2. 2.4 GHz WLAN Ant H and 2.4 GHz Bluetooth Ant H share the same antenna path and cannot transmit simultaneously.
3. 5 GHz WLAN and 6 GHz WLAN share the same antenna path and cannot transmit simultaneously.
4. When the user utilizes multiple services in UMTS 3G mode it uses multi-Radio Access Bearer or multi-RAB. The power control is based on a physical control channel (Dedicated Physical Control Channel [DPCCH]) and power control will be adjusted to meet the needs of both services. Therefore, the UMTS+WLAN scenario also represents the UMTS Voice/DATA + WLAN Hotspot scenario.
5. Per the manufacturer, WIFI Direct is not expected to be used in conjunction with a held-to-ear or body-worn accessory voice call. Therefore, there are no simultaneous transmission scenarios involving WIFI direct beyond that listed in the above table.
6. 5 GHz Wireless Router is only supported for the U-NII-3 by S/W, therefore U-NII-1, U-NII-2A, U-NII-2C, and U-NII-4 were not evaluated for wireless router conditions.
7. 6 GHz Wireless Router is not supported, therefore it was not evaluated for wireless router conditions.
8. This device supports 2x2 MIMO Tx for WLAN 802.11a/b/g/n/ac/ax/be. 802.11a/b/g/n/ac/ax/be supports CDD and STBC and 802.11n/ac/ax/be additionally supports SDM.
9. This device supports VoWIFI.
10. This device supports Bluetooth Tethering on Ant H only.
11. This device supports VoLTE.
12. This device supports VoNR.
13. LTE + 5G NR FR1 Scenarios are limited to EN-DC combinations with anchor bands as shown in the NR FR1 checklist.
14. 5G NR FR2 n258, n260, and n261 cannot transmit simultaneously.
15. LTE + 5G NR FR2 and 5G NR1 + 5G NR FR2 scenarios are limited to combinations with anchor bands as shown in the NR FR2 checklist.
16. UWB and NFC were evaluated for phablet based on expected usage conditions.
17. NB NTN-IoT only transmits only when the device is set to satellite mode and does not transmit with any other radios simultaneously.

2.8 Miscellaneous SAR Test Considerations

(A) WIFI/BT

Since U-NII-1 and U-NII-2A bands have the same maximum output power and the highest reported SAR for U-NII-2A is less than 1.2 W/kg, SAR is not required for U-NII-1 band according to FCC KDB Publication 248227 D01v02r02.

Since Wireless Router operations are not allowed by the chipset firmware using U-NII-1, U-NII-2A, U-NII-2C, U-NII-4, and 6 GHz WIFI, only 2.4 GHz WIFI, 2.4 GHz Bluetooth Antenna H, and U-NII-3 WIFI Hotspot SAR tests and combinations are considered for SAR with respect to Wireless Router configurations according to FCC KDB 941225 D06v02r01.

This device supports IEEE 802.11ax/be with the following features:

a) Up to 320 MHz Bandwidth only for 6GHz
b) Up to 160 MHz Bandwidth only for 5 GHz
c) Up to 20 MHz Bandwidth only for 2.4 GHz
d) 2 Tx antenna output
e) Up to 4KQAM is supported
f) TDWR and Band gap channels are supported for 5/6 GHz
g) MU-MIMO UL Operations are not supported

Per FCC KDB Publication 648474 D01v06r03, this device is considered a "phablet" when it is in a closed configuration since the display diagonal dimension is greater than 150mm and less than 200mm. Phablet

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg. Because wireless router operations are not supported for U-NII-1, U-NII-2A, U-NII-2C, U-NII-4 WIFI and 6 GHz, phablet SAR tests were performed. Phablet SAR was not evaluated for 2.4 GHz WLAN, 2.4 GHz Bluetooth Antenna H, and U-NII-3 WLAN operations since wireless router 1g SAR was < 1.2 W/kg.

Per April 2019 TCB Workshop Notes and FCC guidance, SAR testing for 802.11ax/be follows initial test configuration procedures of KDB 248227, with 802.11ax/be considered a higher order 802.11 mode. Therefore, SAR tests were not required for 802.11ax/be RU/MRU based on the maximum allowed output powers of OFDM modes and the reported SAR values. Per FCC Guidance, maximum conducted powers were performed for each RU/MRU size to demonstrate that the output powers would not be higher than the other OFDM 802.11 modes. Please see EMC test reports 1M2502210015-19.A3L, 1M2502210015-21.A3L, 1M2502210015-23.A3L, and1M2502210015-25.A3L for 802.11ax/be RU/MRU output powers.

Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factors for WIFI 6GHz/UWB and 8GHz SAR probe calibration factors for UWB. FCC KDB 648474, FCC KDB 941225 D07 and FCC KDB 248227 were followed for test positions, distances, and modes. Absorbed power density (APD) using a 4cm^2 averaging area is reported based on SAR measurements. Incident power density is evaluated at 2mm ensuring that the resolution is sufficient such that integrated power density (iPD) between d=2mm and d=λ/5mm is ≥ -1dB per equipment manufacturer guidance. Power density results are scaled up for uncertainty above 30%. Per TCB workshop October 2020 notes, 5 channels were tested for WIFI 6 GHz.

(B) Licensed Transmitter(s)

GSM/GPRS/EDGE DTM is not supported for US bands. Therefore, the GSM Voice modes in this report do not transmit simultaneously with GPRS/EDGE Data.

This device is only capable of QPSK HSUPA in the uplink. Therefore, no additional SAR tests are required beyond that described for devices with HSUPA in KDB 941225 D01v03r01.

LTE SAR for the higher modulations and lower bandwidths were not tested since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth; and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg for all configurations according to FCC KDB 941225 D05v02r04.

This device supports LTE Carrier Aggregation (CA) in the downlink. All uplink communications are identical to Release 8 specifications. Per FCC KDB Publication 941225 D05A v01r02, SAR for LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive.

This device supports downlink 4x4 MIMO operations for some LTE Bands. Per May 2017 TCB Workshop Notes, SAR for 4x4 DL MIMO was not needed since the maximum average output power in 4x4 DL MIMO mode was not more than 0.25 dB higher than the maximum output power with 4x4 DL MIMO inactive. Additionally, SAR for 4x4 MIMO Downlink Carrier Aggregation was not needed since the maximum average output power in 4x4 MIMO Downlink Carrier Aggregation mode was not more than 0.25 dB higher than the maximum output power with 4x4 MIMO Downlink and downlink carrier aggregation inactive.

This device supports LTE Carrier Aggregation (CA) for LTE Band 48 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

Per FCC KDB Publication 648474 D01v06r03, this device is considered a "phablet" when it is in the closed configuration since the display diagonal dimension is greater than 150mm and less than 200mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

This device supports LTE/NR capabilities with overlapping transmission frequency ranges. When the supported frequency range of an LTE/NR Band falls completely within an LTE/NR band with a larger transmission frequency range, both LTE/NR bands have the same target power (or the band with the larger transmission frequency range has a higher target power), and both LTE/NR bands share the same transmission path and signal characteristics, SAR was only assessed for the band with the larger transmission frequency range.

This device can transmit with antenna switching for bands/modes on antennas A, B, C, E, F, and G. SAR tests were performed for each antenna where switching is used per band/mode to ensure compliance. Antennas and indicated band/modes are included in section 2.4.1 of this report.

Per FCC Guidance, C-Band for NR n77 (3705 – 3975 MHz) was fully tested according to FCC procedures. For each exposure condition and antenna, the worst-case position was additionally evaluated for the NR n77 DoD (3455.01 – 3544.98 MHz).

This device uses two transmit paths for n38, n41, n48, n78, and n77 operations (Path 1 and Path 2). For each exposure condition and antenna, the transmit path with the highest target power or SAR was fully evaluated. Conducted power on the alternate path was spot-checked to verify that it does not exceed the tested path by more than 0.5 dB. The worst-case antenna and exposure condition were additionally spot-checked using the alternate path, as applicable.

This device supports 5G NR for Bands n258, n260, and n261. RF Exposure assessment and simultaneous transmission analysis for these bands can be found in the Near Field PD Report (report SN can be found in Section 2.11 – Bibliography).

NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.

For licensed bands operating < 1 GHz, this device can transmit with Ant A or with Ant A+ Ant C. The RF path for both conditions is identical, therefore separate conducted powers are not required for these conditions. For closed test configurations, both Ant A and Ant A + Ant C conditions were fully evaluated for all exposure conditions. For open configurations, only Ant A + Ant C conditions were evaluated since in the open configuration, only Ant A + Ant C is supported as described in the operational description.

SRS was tested with CW signal per Qualcomm guidance in 80-w2112-4.

Per Qualcomm guidance in 80-W2112-4, when hotspot mode applies, 10-g extremity SAR is required for the surfaces and edges with hotspot mode 1g reported SAR > 1.2 W/kg. For surfaces and edges with hotspot mode 1g SAR < 1.2 W/kg, the 10-g extremity can be excluded when the normalized *SAR_design_target* for extremity DSI is less than or equal to that of hotspot DSI.

$$SAR_design_target_extremity \leq \frac{SAR_design_target_hotspot}{1g\ SAR\ limit} * 10g\ SAR\ limit$$

2.9 Guidance Applied

- IEEE 1528-2013
- FCC KDB Publication 941225 D01v03r01, D05v02r05, D05Av01r02, D06v02r01 (2G/3G/4G and Hotspot)
- FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D04v01 (General SAR Guidance)
- FCC KDB Publication 865664 D01v01r04, D02v01r02 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 648474 D01v06r03 (Phablet Procedures)

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

- FCC KDB Publication 616217 D04v01r02 (Tablet, Proximity Sensor)
- October 2013 TCB Workshop Notes (GPRS Testing Considerations)
- May 2017 TCB Workshop Notes (LTE 4x4 Downlink MIMO)
- November 2017, April 2018, October 2018 TCB Workshop Notes (LTE Carrier Aggregation)
- April 2019 TCB Workshop Notes (IEEE 802.11ax)
- April 2019 and October 2024 TCB Workshop Notes (Dynamic Antenna Tuning)
- November 2017, October 2018, April 2019, November 2019, October 2020 TCBC Workshop Notes (6-8 GHz)
- SPEAG DASY6 Application Note (Interim Procedures for Devices Operating at 6-10 GHz) (Nov 2021)
- IEC/IEEE 63195-1:2022
- IEC 62479:2010

2.10 Device Serial Numbers

Several samples with identical hardware were used to support SAR testing. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units. The serial numbers used for each test are indicated alongside the results in Section 12 and Section 13.

2.11 Bibliography

Report Type	Report Serial Number
PD Part 1 Test Report	1M2502210015-04.A3L
PD Part 0 Test Report	
RF Exposure Part 2 Test Report	1M2502210015-03.A3L
RF Exposure Compliance Summary Report	1M2502210015-05.A3L
RF Exposure Part 0 Test Report	1M2502210015-02.A3L

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

3 LTE AND NR INFORMATION

LTE Information					
Form Factor	Portable Handset				
Frequency Range of each LTE transmission band	LTE Band 71: 665.5 - 695.5 MHz				
	LTE Band 12: 699.7 - 715.3 MHz				
	LTE Band 13: 779.5 - 784.5 MHz				
	LTE Band 14: 790.5 - 795.5 MHz				
	LTE Band 26: 814.7 - 848.3 MHz				
	LTE Band 5: 824.7 - 848.3 MHz				
	LTE Band 66: 1710.7 - 1779.3 MHz				
	LTE Band 4: 1710.7 - 1754.3 MHz				
	LTE Band 25: 1850.7 - 1914.3 MHz				
	LTE Band 2: 1850.7 - 1909.3 MHz				
	LTE Band 30: 2307.5 - 2312.5 MHz				
	LTE Band 7: 2502.5 - 2567.5 MHz				
	LTE Band 41: 2498.5 - 2687.5 MHz				
	LTE Band 38: 2572.5 - 2617.5 MHz				
	LTE Band 48: 3552.5 - 3697.5 MHz				
Channel Bandwidths	LTE Band 71: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 13: 5 MHz, 10 MHz				
	LTE Band 14: 5 MHz, 10 MHz				
	LTE Band 26: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz				
	LTE Band 5: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 66: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 4: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 25: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 2: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 30: 5 MHz, 10 MHz				
	LTE Band 7: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 41: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 38: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 48: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
Channel Numbers and Frequencies (MHz)	Low	Low-Mid	Mid	Mid-High	High
LTE Band 71: 5 MHz	665.5 (133147)		680.5 (133297)	695.5 (133447)	
LTE Band 71: 10 MHz	668 (133172)		680.5 (133297)	693 (133422)	
LTE Band 71: 15 MHz	670.5 (133197)		680.5 (133297)	690.5 (133397)	
LTE Band 71: 20 MHz	673 (133222)		680.5 (133297)	688 (133372)	
LTE Band 12: 1.4 MHz	699.7 (23017)		707.5 (23095)	715.3 (23173)	
LTE Band 12: 3 MHz	700.5 (23025)		707.5 (23095)	714.5 (23165)	
LTE Band 12: 5 MHz	701.5 (23035)		707.5 (23095)	713.5 (23155)	
LTE Band 12: 10 MHz	704 (23060)		707.5 (23095)	711 (23130)	
LTE Band 13: 5 MHz	779.5 (23205)		782 (23230)	784.5 (23255)	
LTE Band 13: 10 MHz	(N/A)		782 (23230)	(N/A)	
LTE Band 14: 5 MHz	790.5 (23305)		793 (23330)	795.5 (23355)	
LTE Band 14: 10 MHz	(N/A)		793 (23330)	(N/A)	
LTE Band 26: 1.4 MHz	814.7 (26697)		831.5 (26865)	848.3 (27033)	
LTE Band 26: 3 MHz	815.5 (26705)		831.5 (26865)	847.5 (27025)	
LTE Band 26: 5 MHz	816.5 (26715)		831.5 (26865)	846.5 (27015)	
LTE Band 26: 10 MHz	819 (26740)		831.5 (26865)	844 (26990)	
LTE Band 26: 15 MHz	821.5 (26765)		831.5 (26865)	841.5 (26965)	
LTE Band 5: 1.4 MHz	824.7 (20407)		836.5 (20525)	848.3 (20643)	
LTE Band 5: 3 MHz	825.5 (20415)		836.5 (20525)	847.5 (20635)	
LTE Band 5: 5 MHz	826.5 (20425)		836.5 (20525)	846.5 (20625)	
LTE Band 5: 10 MHz	829 (20450)		836.5 (20525)	844 (20600)	
LTE Band 66: 1.4 MHz	1710.7 (131979)		1745 (132322)	1779.3 (132665)	
LTE Band 66: 3 MHz	1711.5 (131987)		1745 (132322)	1778.5 (132657)	
LTE Band 66: 5 MHz	1712.5 (131997)		1745 (132322)	1777.5 (132647)	
LTE Band 66: 10 MHz	1715 (132022)		1745 (132322)	1775 (132622)	
LTE Band 66: 15 MHz	1717.5 (132047)		1745 (132322)	1772.5 (132597)	
LTE Band 66: 20 MHz	1720 (132072)		1745 (132322)	1770 (132572)	
LTE Band 4: 1.4 MHz	1710.7 (19957)		1732.5 (20175)	1754.3 (20393)	
LTE Band 4: 3 MHz	1711.5 (19965)		1732.5 (20175)	1753.5 (20385)	
LTE Band 4: 5 MHz	1712.5 (19975)		1732.5 (20175)	1752.5 (20375)	
LTE Band 4: 10 MHz	1715 (20000)		1732.5 (20175)	1750 (20350)	
LTE Band 4: 15 MHz	1717.5 (20025)		1732.5 (20175)	1747.5 (20325)	
LTE Band 4: 20 MHz	1720 (20050)		1732.5 (20175)	1745 (20300)	
LTE Band 25: 1.4 MHz	1850.7 (26047)		1882.5 (26365)	1914.3 (26683)	
LTE Band 25: 3 MHz	1851.5 (26055)		1882.5 (26365)	1913.5 (26675)	
LTE Band 25: 5 MHz	1852.5 (26065)		1882.5 (26365)	1912.5 (26665)	
LTE Band 25: 10 MHz	1855 (26090)		1882.5 (26365)	1910 (26640)	
LTE Band 25: 15 MHz	1857.5 (26115)		1882.5 (26365)	1907.5 (26615)	
LTE Band 25: 20 MHz	1860 (26140)		1882.5 (26365)	1905 (26590)	
LTE Band 2: 1.4 MHz	1850.7 (18607)		1880 (18900)	1909.3 (19193)	
LTE Band 2: 3 MHz	1851.5 (18615)		1880 (18900)	1908.5 (19185)	
LTE Band 2: 5 MHz	1852.5 (18625)		1880 (18900)	1907.5 (19175)	
LTE Band 2: 10 MHz	1855 (18650)		1880 (18900)	1905 (19150)	
LTE Band 2: 15 MHz	1857.5 (18675)		1880 (18900)	1902.5 (19125)	
LTE Band 2: 20 MHz	1860 (18700)		1880 (18900)	1900 (19100)	
LTE Band 30: 5 MHz	2307.5 (27685)		2310 (27710)	2312.5 (27735)	
LTE Band 30: 10 MHz	(N/A)		2310 (27710)	(N/A)	
LTE Band 7: 5 MHz	2502.5 (20775)		2535 (21100)	2567.5 (21425)	
LTE Band 7: 10 MHz	2505 (20800)		2535 (21100)	2565 (21400)	
LTE Band 7: 15 MHz	2507.5 (20825)		2535 (21100)	2562.5 (21375)	
LTE Band 7: 20 MHz	2510 (20850)		2535 (21100)	2560 (21350)	
LTE Band 41: 5 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 10 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 15 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 41: 20 MHz	2506 (39750)	2549.5 (40185)	2593 (40620)	2636.5 (41055)	2680 (41490)
LTE Band 38: 5 MHz	2572.5 (37775)		2595 (38000)	2617.5 (38225)	
LTE Band 38: 10 MHz	2575 (37800)		2595 (38000)	2615 (38200)	
LTE Band 38: 15 MHz	2577.5 (37825)		2595 (38000)	2612.5 (38175)	
LTE Band 38: 20 MHz	2580 (37850)		2595 (38000)	2610 (38150)	
LTE Band 48: 5 MHz	3552.5 (55265)	3600.8 (55748)	(N/A)	3649.2 (56232)	3697.5 (56715)
LTE Band 48: 10 MHz	3555 (55290)	3601.7 (55757)	(N/A)	3648.3 (56223)	3695 (56690)
LTE Band 48: 15 MHz	3557.5 (55315)	3602.5 (55765)	(N/A)	3647.5 (56215)	3692.5 (56665)
LTE Band 48: 20 MHz	3560 (55340)	3603.3 (55773)	(N/A)	3646.7 (56207)	3690 (56640)
UE Category	UL UE Cat 18, DL UE Cat 20				
Modulations Supported in UL	QPSK, 16QAM, 64QAM, 256QAM				
LTE MPR Permanently implemented per 3GPP TS 36.101 section 6.2.3~6.2.5? (manufacturer attestation to be provided)	YES				
A-MPR (Additional MPR) disabled for SAR Testing?	YES				
LTE Carrier Aggregation Possible Combinations	The technical description includes all the possible carrier aggregation combinations				
LTE Additional Information	This device does not support full CA features on 3GPP Release 17. It supports carrier aggregation and downlink MIMO features. All uplink communications are identical to the Release 8 Specifications. Uplink communications are done on the PCC. The following LTE Release 17 Features are not supported: Relay, HetNet, Enhanced MIMO, eICIC, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA.				

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

NR Information							
Form Factor	Portable Handset						
Frequency Range of each NR transmission band	NR Band n71: 665.5 - 695.5 MHz						
	NR Band n12: 701.5 - 713.5 MHz						
	NR Band n14: 790.5 - 795.5 MHz						
	NR Band n26: 816.5 - 846.5 MHz						
	NR Band n5: 826.5 - 846.5 MHz						
	NR Band n70: 1697.5 - 1707.5 MHz						
	NR Band n66: 1712.5 - 1777.5 MHz						
	NR Band n25: 1852.5 - 1912.5 MHz						
	NR Band n2: 1852.5 - 1907.5 MHz						
	NR Band n30: 2307.5 - 2312.5 MHz						
	NR Band n7: 2502.5 - 2567.5 MHz						
	NR Band n41: 2501.01 - 2685 MHz						
	NR Band n38: 2575 - 2615 MHz						
	NR Band n48: 3555 - 3694.98 MHz						
	NR Band n78: 3455.01 - 3544.98 MHz; 3705 - 3795 MHz						
	NR Band n77: 3455.01 - 3544.98 MHz; 3705 - 3975 MHz						
Channel Bandwidths	NR Band n71: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz						
	NR Band n12: 5 MHz, 10 MHz, 15 MHz						
	NR Band n14: 5 MHz, 10 MHz						
	NR Band n26: 5 MHz, 10 MHz, 15 MHz, 20 MHz						
	NR Band n5: 5 MHz, 10 MHz, 15 MHz, 20 MHz						
	NR Band n70: 5 MHz, 10 MHz, 15 MHz						
	NR Band n66: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz, 45 MHz						
	NR Band n25: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz						
	NR Band n2: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz						
	NR Band n30: 5 MHz, 10 MHz						
	NR Band n7: 5 MHz, 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 35 MHz, 40 MHz, 50 MHz						
	NR Band n41: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 35 MHz, 40 MHz, 45 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz						
	NR Band n38: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz						
	NR Band n48: 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz						
	NR Band n78: 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz						
	NR Band n77: 10 MHz, 15 MHz, 20 MHz, 25 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz, 100 MHz						
Channel Numbers and Frequencies (MHz)							
NR Band n71: 5 MHz	665.5 (133100)		680.5 (136100)		695.5 (139100)		
NR Band n71: 10 MHz	668 (133500)		680.5 (136100)		693 (139500)		
NR Band n71: 15 MHz	670.5 (134000)		680.5 (136100)		690.5 (139000)		
NR Band n71: 20 MHz	673 (134500)		680.5 (136100)		688 (138500)		
NR Band n71: 25 MHz	675.5 (135000)		680.5 (136100)		685.5 (138000)		
NR Band n71: 30 MHz	678 (135500)		680.5 (136100)		683 (136500)		
NR Band n71: 35 MHz	(N/A)		680.5 (136100)		(N/A)		
NR Band n12: 5 MHz	701.5 (140500)		707.5 (141500)		713.5 (142700)		
NR Band n12: 10 MHz	704 (140800)		707.5 (141500)		711 (142200)		
NR Band n12: 15 MHz	706.5 (141300)		707.5 (141500)		708.5 (141700)		
NR Band n14: 5 MHz	790.5 (158100)		793 (158600)		795.5 (159100)		
NR Band n14: 10 MHz	793 (158600)		793 (159000)		793 (158600)		
NR Band n26: 5 MHz	816.5 (163300)		831.5 (166300)		846.5 (169300)		
NR Band n26: 10 MHz	819 (163800)		831.5 (166300)		844 (168800)		
NR Band n26: 15 MHz	821.5 (164300)		831.5 (166300)		841.5 (168300)		
NR Band n26: 20 MHz	824 (164800)		831.5 (166300)		839 (167800)		
NR Band n5: 5 MHz	826.5 (165300)		836.5 (167300)		846.5 (169300)		
NR Band n5: 10 MHz	829 (165800)		836.5 (167300)		844 (168800)		
NR Band n5: 15 MHz	831.5 (166300)		836.5 (167300)		841.5 (168300)		
NR Band n5: 20 MHz	834 (166800)		836.5 (167300)		839 (167800)		
NR Band n70: 5 MHz	1697.5 (339500)		1702.5 (340500)		1707.5 (341500)		
NR Band n70: 10 MHz	1700 (340000)		1702.5 (340500)		1705 (341000)		
NR Band n70: 15 MHz	1702.5 (340500)		1702.5 (340500)		1702.5 (340500)		
NR Band n66: 5 MHz	1712.5 (342500)		1745 (349000)		1777.5 (355000)		
NR Band n66: 10 MHz	1715 (343000)		1745 (349000)		1775 (355000)		
NR Band n66: 15 MHz	1717.5 (343500)		1745 (349000)		1772.5 (354500)		
NR Band n66: 20 MHz	1720 (344000)		1745 (349000)		1770 (354000)		
NR Band n66: 25 MHz	1722.5 (344500)		1745 (349000)		1767.5 (353500)		
NR Band n66: 30 MHz	1725 (345000)		1745 (349000)		1765 (353000)		
NR Band n66: 35 MHz	1727.5 (345500)		1745 (349000)		1762.5 (352500)		
NR Band n66: 40 MHz	1730 (346000)		1745 (349000)		1760 (352000)		
NR Band n66: 45 MHz	1732.5 (346500)		1745 (349000)		1757.5 (351500)		
NR Band n25: 5 MHz	1852.5 (370500)		1882.5 (376500)		1912.5 (382500)		
NR Band n25: 10 MHz	1855 (371000)		1882.5 (376500)		1910 (382000)		
NR Band n25: 15 MHz	1857.5 (371500)		1882.5 (376500)		1907.5 (381500)		
NR Band n25: 20 MHz	1860 (372000)		1882.5 (376500)		1905 (381000)		
NR Band n25: 25 MHz	1862.5 (372500)		1882.5 (376500)		1902.5 (380500)		
NR Band n25: 30 MHz	1865 (373000)		1882.5 (376500)		1900 (380000)		
NR Band n25: 35 MHz	1867.5 (373500)		1882.5 (376500)		1897.5 (379500)		
NR Band n25: 40 MHz	1870 (374000)		1882.5 (376500)		1895 (379000)		
NR Band n2: 5 MHz	1852.5 (370500)		1880 (376000)		1907.5 (381500)		
NR Band n2: 10 MHz	1855 (371000)		1880 (376000)		1905 (381000)		
NR Band n2: 15 MHz	1857.5 (371500)		1880 (376000)		1902.5 (380500)		
NR Band n2: 20 MHz	1860 (372000)		1880 (376000)		1900 (380000)		
NR Band n2: 25 MHz	1862.5 (372500)		1880 (376000)		1897.5 (379500)		
NR Band n2: 30 MHz	1865 (373000)		1880 (376000)		1895 (379000)		
NR Band n2: 35 MHz	1867.5 (373500)		1880 (376000)		1892.5 (378500)		
NR Band n2: 40 MHz	1870 (374000)		1880 (376000)		1890 (378000)		
NR Band n30: 5 MHz	2307.5 (461500)		2310 (462000)		2312.5 (462500)		
NR Band n30: 10 MHz	2310 (462000)		2310 (462000)		2310 (462000)		
NR Band n7: 5 MHz	2502.5 (500500)		2535 (507000)		2567.5 (513500)		
NR Band n7: 10 MHz	2505 (501000)		2535 (507000)		2565 (513000)		
NR Band n7: 15 MHz	2507.5 (501500)		2535 (507000)		2562.5 (512500)		
NR Band n7: 20 MHz	2510 (502000)		2535 (507000)		2560 (512000)		
NR Band n7: 25 MHz	2512.5 (502500)		2535 (507000)		2557.5 (511500)		
NR Band n7: 30 MHz	2515 (503000)		2535 (507000)		2555 (511000)		
NR Band n7: 35 MHz	2517.5 (503500)		2535 (507000)		2552.5 (511500)		
NR Band n7: 40 MHz	2520 (504000)		2535 (507000)		2550 (510000)		
NR Band n7: 50 MHz	2525 (505000)		2535 (507000)		2545 (509000)		
NR Band n41: 10 MHz	2501.01 (500222)	2547 (509400)	2592.99 (518598)		2639.01 (527802)	2685 (537000)	
NR Band n41: 15 MHz	2503.5 (500700)	2548.26 (509652)	2592.99 (518598)		2637.75 (527550)	2682.51 (536502)	
NR Band n41: 20 MHz	2506.02 (501204)	2549.49 (509898)	2592.99 (518598)		2636.49 (527298)	2679.99 (535998)	
NR Band n41: 25 MHz	2508.51 (501702)	2550.75 (510150)	2592.99 (518598)		2635.26 (527052)	2677.5 (535500)	
NR Band n41: 30 MHz	2511 (502200)	2552.01 (510402)	2592.99 (518598)		2634 (526800)	2674.98 (534996)	
NR Band n41: 35 MHz	2513.52 (502704)	2553.24 (510648)	2592.99 (518598)		2632.74 (526548)	2672.49 (534498)	
NR Band n41: 40 MHz	2516.01 (503202)	2567.34 (513468)	(N/A)		2618.67 (523734)	2670 (534000)	
NR Band n41: 45 MHz	2518.5 (503700)	2568.18 (513636)	(N/A)		2617.83 (523566)	2667.48 (533496)	
NR Band n41: 50 MHz	2521.02 (504204)		2592.99 (518598)		2664.99 (532998)		
NR Band n41: 60 MHz	2526 (505200)		2592.99 (518598)		2659.98 (531996)		
NR Band n41: 70 MHz	2531.01 (506202)		(N/A)		2655 (531000)		
NR Band n41: 80 MHz	2536.02 (507204)		(N/A)		2649.99 (529998)		
NR Band n41: 90 MHz	2541 (508200)		(N/A)		2644.98 (528996)		
NR Band n41: 100 MHz	2546.01 (509202)		2592.99 (518598)		2640 (528000)		
NR Band n38: 10 MHz	2575 (515000)		2595 (519000)		2615 (523000)		
NR Band n38: 15 MHz	2577.5 (515500)		2595 (519000)		2612.5 (522500)		
NR Band n38: 20 MHz	2580 (516000)		2595 (519000)		2610 (522000)		
NR Band n38: 25 MHz	2582.5 (516500)		2595 (519000)		2607.5 (521500)		
NR Band n38: 30 MHz	2585 (517000)		2595 (519000)		2605 (521000)		
NR Band n38: 40 MHz	2590 (518000)		2595 (519000)		2600 (520000)		
NR Band n48: 10 MHz	3555 (637000)	3601.68 (640112)	(N/A)		3648.33 (643222)	3694.98 (646332)	
NR Band n48: 15 MHz	3557.52 (637168)	3602.49 (640166)	(N/A)		3647.49 (643166)	3692.49 (646166)	
NR Band n48: 20 MHz	3560.01 (637334)	3603.33 (640222)	(N/A)		3646.68 (643112)	3690 (646000)	
NR Band n48: 30 MHz	3565.02 (637668)	3605.01 (640334)	(N/A)		3645 (642800)	3684.99 (645666)	
NR Band n48: 40 MHz	3570 (638000)	(N/A)	3624.99 (646666)		(N/A)	3679.98 (645332)	
NR Band n78: 10 MHz	3705 (647000)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	3795 (653000)
NR Band n78: 15 MHz	3707.52 (647168)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	3792.48 (652832)
NR Band n78: 20 MHz	3710.01 (647334)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	3789.99 (652666)
NR Band n78: 25 MHz	3712.5 (647500)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	3787.5 (652500)
NR Band n78: 30 MHz	3715.02 (647668)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	3784.98 (652332)
NR Band n78: 40 MHz	3720 (648000)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	3780 (652000)
NR Band n78: 50 MHz	3725.01 (648334)	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)	3774.99 (651666)
NR Band n78: 60 MHz	(N/A)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	(N/A)
NR Band n78: 70 MHz	(N/A)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	(N/A)
NR Band n78: 80 MHz	(N/A)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	(N/A)
NR Band n78: 90 MHz	(N/A)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	(N/A)
NR Band n78: 100 MHz	(N/A)	(N/A)	(N/A)	3750 (650000)	(N/A)	(N/A)	(N/A)
NR Band n77 DoD: 10 MHz	3455.01 (633334)		3500.01 (633334)		3544.98 (633332)		
NR Band n77 DoD: 15 MHz	3457.5 (633500)		3500.01 (633334)		3542.49 (633166)		
NR Band n77 DoD: 20 MHz	3460.02 (633668)		3500.01 (633334)		3540 (633000)		
NR Band n77 DoD: 25 MHz	3462.51 (633834)		3500.01 (633334)		3537.48 (632832)		
NR Band n77 DoD: 30 MHz	3465 (634000)		3500.01 (633334)		3534.99 (632666)		
NR Band n77 DoD: 40 MHz	3470.01 (633334)		(N/A)		3529.98 (633332)		
NR Band n77 DoD: 50 MHz	3475.02 (633668)		(N/A)		3525 (633000)		
NR Band n77 DoD: 60 MHz	(N/A)		3500.01 (633334)		(N/A)		
NR Band n77 DoD: 70 MHz	(N/A)		3500.01 (633334)		(N/A)		
NR Band n77 DoD: 80 MHz	(N/A)		3500.01 (633334)		(N/A)		
NR Band n77 DoD: 90 MHz	(N/A)		3500.01 (633334)		(N/A)		
NR Band n77 DoD: 100 MHz	(N/A)		3500.01 (633334)		(N/A)		
NR Band n77: 10 MHz	3705 (647000)	3759 (650600)	3813 (654200)	(N/A)	3867 (657800)	3921 (661400)	3975 (665000)
NR Band n77: 15 MHz	3707.52 (647168)	3760.5 (650760)	3813.51 (654234)	(N/A)	3866.49 (657756)	3919.5 (661300)	3972.48 (664832)
NR Band n77: 20 MHz	3710.01 (647334)	3762 (650800)	3813.99 (654266)	(N/A)	3866.01 (657734)	3918 (661200)	3969.99 (664666)
NR Band n77: 25 MHz	3712.5 (647500)	3763.5 (650900)	3814.5 (654300)	(N/A)	3865.5 (657700)	3916.5 (661100)	3967.5 (664500)
NR Band n77: 30 MHz	3715.02 (647668)	3765 (651000)	3815.01 (654334)	(N/A)	3864.99 (657666)	3915 (661000)	3964.98 (664332)
NR Band n77: 40 MHz	3720 (648000)	3768 (651200)	3816 (654400)	(N/A)	3864 (657600)	3912 (660800)	3960 (664000)
NR Band n77: 50 MHz	3725.01 (648334)	3772.49 (652165)	(N/A)	3840 (656000)	(N/A)	3907.51 (658834)	3954.99 (663666)
NR Band n77: 60 MHz	3730.02 (648668)	3803.34 (653556)	(N/A)	(N/A)	(N/A)	3876.66 (658444)	3949.98 (663332)
NR Band n77: 70 MHz	3735 (649000)	3804.99 (653666)	(N/A)	(N/A)	(N/A)	3875.01 (658334)	3945 (663000)
NR Band n77: 80 MHz	3740.01 (649334)	(N/A)		3840 (656000)		(N/A)	3939.99 (662666)
NR Band n77: 90 MHz	3745.02 (649668)	(N/A)		3840 (656000)		(N/A)	3934.98 (662332)
NR Band n77: 100 MHz	3750 (650000)	(N/A)		(N/A)		(N/A)	3930 (662000)
SCS for NR Band n71, n12, n14, n26, n5, n70, n66, n25, n2, n30, n7	15 kHz						
SCS for NR Band n41, n38, n48, n78, n77	30 kHz						
Modulations Supported in UL	DFT-s-OFDM: π/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM						
A-MPR (Additional MPR) disabled for SAR Testing?	YES						
EN-DC and NR Carrier Aggregation Possible Combinations	The technical description includes all the possible carrier aggregation combinations						
LTE Anchor Bands for NR Band n71	2/4/66						
LTE Anchor Bands for NR Band n12	N/A						
LTE Anchor Bands for NR Band n14	N/A						
LTE Anchor Bands for NR Band n26	N/A						
LTE Anchor Bands for NR Band n5	2/4/30/48/66						
LTE Anchor Bands for NR Band n70	N/A						
LTE Anchor Bands for NR Band n66	2/5/12/13/14/30/48						
LTE Anchor Bands for NR Band n25	12						
LTE Anchor Bands for NR Band n2	4/5/12/13/14/30/48/66						
LTE Anchor Bands for NR Band n30	N/A						
LTE Anchor Bands for NR Band n7	N/A						
LTE Anchor Bands for NR Band n41	2/4/5/12/66						
LTE Anchor Bands for NR Band n38	N/A						
LTE Anchor Bands for NR Band n48	N/A						
LTE Anchor Bands for NR Band n78	N/A						
LTE Anchor Bands for NR Band n77	2/5/12/13/14/30/66						

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

4 INTRODUCTION

The FCC and Innovation, Science, and Economic Development Canada have adopted the guidelines for evaluating the environmental effects of radio frequency (RF) radiation in ET Docket 93-62 on Aug. 6, 1996 and Health Canada Safety Code 6 to protect the public and workers from the potential hazards of RF emissions due to FCC-regulated portable devices. [1]

The safety limits used for the environmental evaluation measurements are based on the criteria published by the American National Standards Institute (ANSI) for localized specific absorption rate (SAR) in IEEE/ANSI C95.1-1992 Standard for Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 3 kHz to 300 GHz [3] and Health Canada RF Exposure Guidelines Safety Code 6 [22]. The measurement procedure described in IEEE/ANSI C95.3-2002 Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave [4] is used for guidance in measuring the Specific Absorption Rate (SAR) due to the RF radiation exposure from the Equipment Under Test (EUT). These criteria for SAR evaluation are similar to those recommended by the International Committee for Non-Ionizing Radiation Protection (ICNIRP) in Biological Effects and Exposure Criteria for Radiofrequency Electromagnetic Fields," Report No. Vol 74. SAR is a measure of the rate of energy absorption due to exposure to an RF transmitting source. SAR values have been related to threshold levels for potential biological hazards.

4.1 SAR Definition

Specific Absorption Rate is defined as the time derivative (rate) of the incremental energy (dU) absorbed by (dissipated in) an incremental mass (dm) contained in a volume element (dV) of a given density (ρ). It is also defined as the rate of RF energy absorption per unit mass at a point in an absorbing body (see Equation 4-1).

Equation 4-1
SAR Mathematical Equation

$$SAR = \frac{d}{dt}\left(\frac{dU}{dm}\right) = \frac{d}{dt}\left(\frac{dU}{\rho dv}\right)$$

SAR is expressed in units of Watts per Kilogram (W/kg).

$$SAR = \frac{\sigma \cdot E^2}{\rho}$$

where:

σ = conductivity of the tissue-simulating material (S/m)
ρ = mass density of the tissue-simulating material (kg/m^3)
E = Total RMS electric field strength (V/m)

NOTE: The primary factors that control rate of energy absorption were found to be the wavelength of the incident field in relation to the dimensions and geometry of the irradiated organism, the orientation of the organism in relation to the polarity of field vectors, the presence of reflecting surfaces, and whether conductive contact is made by the organism with a ground plane.[6]

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

5 DOSIMETRIC ASSESSMENT

5.1 Measurement Procedure

The evaluation was performed using the following procedure compliant to FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013:

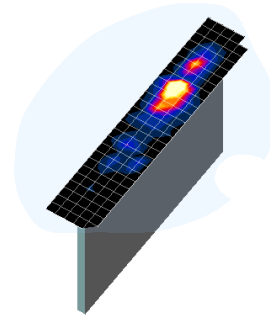


Figure 5-1
Sample SAR Area Scan

1. The SAR distribution at the exposed side of the head or body was measured at a distance no greater than 5.0 mm from the inner surface of the shell. The area covered the entire dimension of the device-head and body interface and the horizontal grid resolution was determined per FCC KDB Publication 865664 D01v01r04 (See Table 5-1) and IEEE 1528-2013.
2. The point SAR measurement was taken at the maximum SAR region determined from Step 1 to enable the monitoring of SAR fluctuations/drifts during the 1g/10g cube evaluation. SAR at this fixed point was measured and used as a reference value.
3. Based on the area scan data, the peak of the region with maximum SAR was determined by spline interpolation. Around this point, a volume was assessed according to the measurement resolution and volume size requirements of FCC KDB Publication 865664 D01v01r04 (See Table 5-1) and IEEE 1528-2013. On the basis of this data set, the spatial peak SAR value was evaluated with the following procedure (see references or the DASY manual online for more details):

   a. SAR values at the inner surface of the phantom are extrapolated from the measured values along the line away from the surface with spacing no greater than that in Table 5-1. The extrapolation was based on a least-squares algorithm. A polynomial of the fourth order was calculated through the points in the z-axis (normal to the phantom shell).

   b. After the maximum interpolated values were calculated between the points in the cube, the SAR was averaged over the spatial volume (1g or 10g) using a 3D-Spline interpolation algorithm. The 3D-spline is composed of three one-dimensional splines with the “Not a knot” condition (in x, y, and z directions). The volume was then integrated with the trapezoidal algorithm. One thousand points (10 x 10 x 10) were obtained through interpolation, in order to calculate the averaged SAR.

   c. All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.
4. The SAR reference value, at the same location as step 2, was re-measured after the zoom scan was complete to calculate the SAR drift. If the drift deviated by more than 5%, the SAR test and drift measurements were repeated.

Table 5-1
Area and Zoom Scan Resolutions per FCC KDB Publication 865664 D01v01r04*

Frequency	Maximum Area Scan Resolution (mm) (Δx_{area}, Δy_{area})	Maximum Zoom Scan Resolution (mm) (Δx_{zoom}, Δy_{zoom})	Maximum Zoom Scan Spatial Resolution (mm)			Minimum Zoom Scan Volume (mm) (x,y,z)
			Uniform Grid	Graded Grid		
			$\Delta z_{zoom}(n)$	$\Delta z_{zoom}(1)$*	$\Delta z_{zoom}(n>1)$*	
≤ 2 GHz	≤ 15	≤ 8	≤ 5	≤ 4	≤ 1.5*$\Delta z_{zoom}(n-1)$	≥ 30
2-3 GHz	≤ 12	≤ 5	≤ 5	≤ 4	≤ 1.5*$\Delta z_{zoom}(n-1)$	≥ 30
3-4 GHz	≤ 12	≤ 5	≤ 4	≤ 3	≤ 1.5*$\Delta z_{zoom}(n-1)$	≥ 28
4-5 GHz	≤ 10	≤ 4	≤ 3	≤ 2.5	≤ 1.5*$\Delta z_{zoom}(n-1)$	≥ 25
5-6 GHz	≤ 10	≤ 4	≤ 2	≤ 2	≤ 1.5*$\Delta z_{zoom}(n-1)$	≥ 22

*Also compliant to IEEE 1528-2013 Table 6

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

6 DEFINITION OF REFERENCE POINTS

6.1 EAR REFERENCE POINT

Figure 6-2 shows the front, back and side views of the SAM Twin Phantom. The point "M" is the reference point for the center of the mouth, "LE" is the left ear reference point (ERP), and "RE" is the right ERP. The ERP is 15mm posterior to the entrance to the ear canal (EEC) along the B-M line (Back-Mouth), as shown in Figure 6-1. The plane passing through the two ear canals and M is defined as the Reference Plane. The line N-F (Neck-Front), also called the Reference Pivoting Line, is not perpendicular to the reference plane (see Figure 6-1). Line B-M is perpendicular to the N-F line. Both N-F and B-M lines are marked on the external phantom shell to facilitate handset positioning [5].

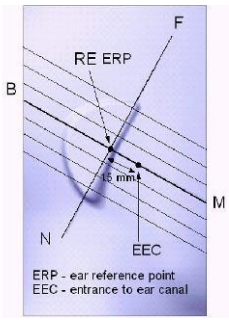


Figure 6-1
Close-Up Side view of ERP

6.2 HANDSET REFERENCE POINTS

Two imaginary lines on the handset were established: the vertical centerline and the horizontal line. The test device was placed in a normal operating position with the acoustic output located along the "vertical centerline" on the front of the device aligned to the "ear reference point" (See Figure 6-3). The acoustic output was than located at the same level as the center of the ear reference point. The test device was positioned so that the "vertical centerline" was bisecting the front surface of the handset at its top and bottom edges, positioning the "ear reference point" on the outer surface of the both the left and right head phantoms on the ear reference point.

Figure 6-2
Front, back and side view of SAM Twin Phantom

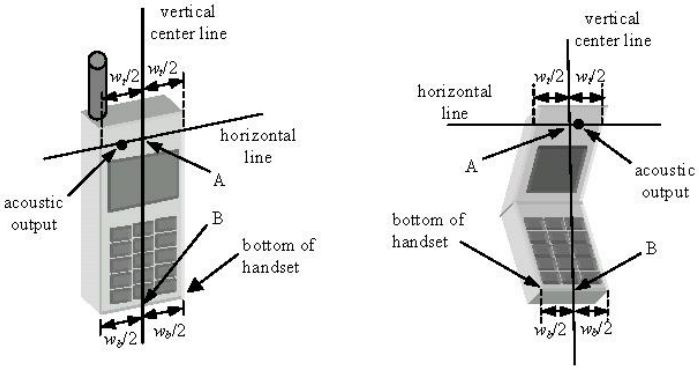


Figure 6-3
Handset Vertical Center & Horizontal Line Reference Points

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

7 TEST CONFIGURATION POSITIONS

7.1 Device Holder

The device holder is made out of low-loss POM material having the following dielectric parameters: relative permittivity ε = 3 and loss tangent δ = 0.02.

7.2 Positioning for Cheek

1. The test device was positioned with the device close to the surface of the phantom such that point A is on the (virtual) extension of the line passing through points RE and LE on the phantom (see Figure 7-1), such that the plane defined by the vertical center line and the horizontal line of the phone is approximately parallel to the sagittal plane of the phantom.

Figure 7-1 Front, Side and Top View of Cheek Position

2. The handset was translated towards the phantom along the line passing through RE & LE until the handset touches the pinna.
3. While maintaining the handset in this plane, the handset was rotated around the LE-RE line until the vertical centerline was in the reference plane.
4. The phone was then rotated around the vertical centerline until the phone (horizontal line) was symmetrical was respect to the line NF.
5. While maintaining the vertical centerline in the reference plane, keeping point A on the line passing through RE and LE, and maintaining the device contact with the ear, the device was rotated about the NF line until any point on the handset made contact with a phantom point below the ear (cheek) (See Figure 7-2).

7.3 Positioning for Ear / 15º Tilt

With the test device aligned in the “Cheek Position”:

1. While maintaining the orientation of the phone, the phone was retracted parallel to the reference plane far enough to enable a rotation of the phone by 15degrees.
2. The phone was then rotated around the horizontal line by 15 degrees.
3. While maintaining the orientation of the phone, the phone was moved parallel to the reference plane until any part of the handset touched the head. (In this position, point A was located on the line RE-LE). The tilted position is obtained when the contact is on the pinna. If the contact was at any location other than the pinna, the angle of the phone would then be reduced. In this situation, the tilted position was obtained when any part of the phone was in contact of the ear as well as a second part of the phone was in contact with the head (see Figure 7-2).

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

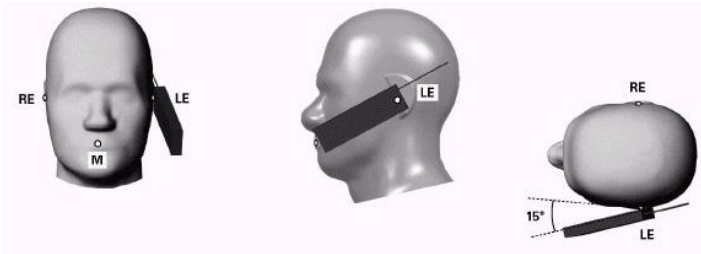


Figure 7-2 Front, Side and Top View of Ear/15º Tilt Position

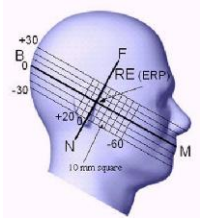


Figure 7-3
Side view w/ relevant markings

7.4 SAR Evaluations near the Mouth/Jaw Regions of the SAM Phantom

Antennas located near the bottom of a phone may require SAR measurements around the mouth and jaw regions of the SAM head phantom. This typically applies to clam-shell style phones that are generally longer in the unfolded normal use positions or to certain older style long rectangular phones. Per IEEE 1528-2013, a rotated SAM phantom is necessary to allow probe access to such regions. Both SAM heads of the TwinSAM-Chin20 are rotated 20 degrees around the NF line. Each head can be removed from the table for emptying and cleaning.

Under these circumstances, the following procedures apply, adopted from the FCC guidance on SAR handsets document FCC KDB Publication 648474 D01v06r03. The SAR required in these regions of SAM should be measured using a flat phantom. The phone should be positioned with a separation distance of 4 mm between the ear reference point (ERP) and the outer surface of the flat phantom shell. While maintaining this distance at the ERP location, the low (bottom) edge of the phone should be lowered from the phantom to establish the same separation distance between the peak SAR location identified by the truncated partial SAR distribution measured with the SAM phantom. The distance from the peak SAR location to the phone is determined by the straight line passing perpendicularly through the phantom surface. When it is not feasible to maintain 4 mm separation at the ERP while also establishing the required separation at the peak SAR location, the top edge of the phone will be allowed to touch the phantom with a separation < 4 mm at the ERP. The phone should not be tilted to the left or right while placed in this inclined position to the flat phantom.

7.5 Body-Worn Accessory Configurations

Body-worn operating configurations are tested with the belt-clips and holsters attached to the device and positioned against a flat phantom in a normal use configuration (see Figure 7-4). Per FCC KDB Publication 648474 D01v06r03, Body-worn accessory exposure is typically related to voice mode operations when handsets are carried in body-worn accessories. The body-worn accessory procedures in FCC KDB Publication 447498 D04v01 should be used to test for body-worn accessory SAR compliance, without a headset connected to it. This enables the test results for such configuration to be compatible with that required for hotspot mode when the body-worn accessory test separation distance is greater than or equal to that required for hotspot mode, when applicable. When the reported SAR for a body-worn accessory, measured without a headset connected to the handset, is > 1.2 W/kg, the highest reported SAR configuration for that wireless mode and frequency band should be repeated for that body-worn accessory with a headset attached to the handset.

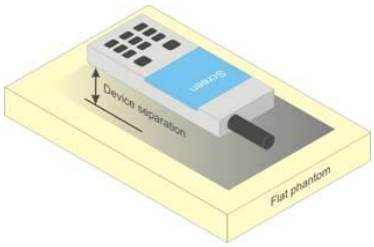


Figure 7-4
Sample Body-Worn Diagram

Accessories for Body-worn operation configurations are divided into two categories: those that do not contain metallic components and those that do contain metallic components. When multiple accessories that do not contain metallic components are supplied with the device, the device is tested with only the accessory that

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

dictates the closest spacing to the body. Then multiple accessories that contain metallic components are tested with the device with each accessory. If multiple accessories share an identical metallic component (i.e. the same metallic belt-clip used with different holsters with no other metallic components) only the accessory that dictates the closest spacing to the body is tested.

Body-worn accessories may not always be supplied or available as options for some devices intended to be authorized for body-worn use. In this case, a test configuration with a separation distance between the back of the device and the flat phantom is used. Test position spacing was documented.
Transmitters that are designed to operate in front of a person's face, as in push-to-talk configurations, are tested for SAR compliance with the front of the device positioned to face the flat phantom in head fluid. For devices that are carried next to the body such as a shoulder, waist or chest-worn transmitters, SAR compliance is tested with the accessories, including headsets and microphones, attached to the device and positioned against a flat phantom in a normal use configuration.

7.6 Extremity Exposure Configurations

Devices that are designed or intended for use on extremities or mainly operated in extremity only exposure conditions; i.e., hands, wrists, feet and ankles, may require extremity SAR evaluation. When the device also operates in close proximity to the user's body, SAR compliance for the body is also required. The 1g body and 10g extremity SAR Exclusion Thresholds found in KDB Publication 447498 D04v01 should be applied to determine SAR test requirements.

Per KDB Publication 447498 D04v01, Cell phones (handsets) are not normally designed to be used on extremities or operated in extremity only exposure conditions. The maximum output power levels of handsets generally do not require extremity SAR testing to show compliance. Therefore, extremity SAR was not evaluated for this device.

7.7 Wireless Router Configurations

Some battery-operated handsets have the capability to transmit and receive user data through simultaneous transmission of WIFI simultaneously with a separate licensed transmitter. The FCC has provided guidance in FCC KDB Publication 941225 D06v02r01 where SAR test considerations for handsets (L x W ≥ 9 cm x 5 cm) are based on a composite test separation distance of 10 mm from the front, back and edges of the device containing transmitting antennas within 2.5 cm of their edges, determined from general mixed use conditions for this type of devices. Since the hotspot SAR results may overlap with the body-worn accessory SAR requirements, the more conservative configurations can be considered, thus excluding some body-worn accessory SAR tests.

When the user enables the personal wireless router functions for the handset, actual operations include simultaneous transmission of both the WIFI transmitter and another licensed transmitter. Both transmitters often do not transmit at the same transmitting frequency and thus cannot be evaluated for SAR under actual use conditions due to the limitations of the SAR assessment probes. Therefore, SAR must be evaluated for each frequency transmission and mode separately and spatially summed with the WIFI transmitter according to FCC KDB Publication 447498 D04v01 procedures. The "Portable Hotspot" feature on the handset was NOT activated during SAR assessments, to ensure the SAR measurements were evaluated for a single transmission frequency RF signal at a time.

7.8 Phablet Configurations

For smart phones with a display diagonal dimension > 150 mm or an overall diagonal dimension > 160 mm that provide similar mobile web access and multimedia support found in mini-tablets or UMPC mini-tablets that support voice calls next to the ear, the phablets procedures outlined in KDB Publication 648474 D01v06r03 should be applied to evaluate SAR compliance. A device marketed as phablets, regardless of form factors and operating characteristics must be tested as a phablet to determine SAR compliance. In addition to the normally required head and body-worn accessory SAR test procedures required for handsets, the UMPC mini-tablet

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

procedures must also be applied to test the SAR of all surfaces and edges with an antenna <=25 mm from that surface or edge, in direct contact with the phantom, for 10g SAR. The UMPC mini-tablet 1g SAR at 5 mm is not required. When hotspot mode applies, 10g SAR is required only for the surfaces and edges with hotspot mode 1g SAR > 1.2 W/kg.

7.9 Proximity Sensor Considerations

This device uses a power reduction mechanism to reduce output powers in certain use conditions when the device is used close the user's body.

When the device's antenna is within a certain distance of the user, the sensor activates and reduces the maximum allowed output power. However, the sensor is not active when the device is moved beyond the sensor triggering distance and the maximum output power is no longer limited. Therefore, additional evaluation is needed in the vicinity of the triggering distance to ensure SAR is compliant when the device is allowed to operate at a nonreduced output power level. FCC KDB Publication 616217 D04v01r02 Section 6 was used as a guideline for selecting SAR test distances for this device at these additional test positions. Sensor triggering distance summary data is included in Power Reduction Verification Appendix.

The sensor is designed to support sufficient detection range and sensitivity to cover regions of the sensors in all applicable directions since the sensor entirely covers the antennas.

7.10 SAR Testing for Tablet per KDB Publication 616217 D04v01r02

Per FCC KDB Publication 616217 D04v01r02, the back surface and edges of the tablet should be tested for SAR compliance with the tablet touching the phantom. The SAR Exclusion Threshold in KDB 447498 D04v01 can be applied to determine SAR test exclusion for adjacent edge configurations. The closest distance from the antenna to an adjacent tablet edge is used to determine if SAR testing is required for the adjacent edges, with the adjacent edge positioned against the phantom and the edge containing the antenna positioned perpendicular to the phantom.

7.11 Head SAR Evaluation for Foldable Device

In accordance with FCC KDB 616217 D04 and the April 2025 Interim Simplified RF Exposure Guidance, it is determined that 1g SAR measurements performed at 0 mm separation using a flat phantom are sufficient to evaluate 1g Head SAR for devices supporting next to the ear voice operations. For foldable phone form factors, where the earpiece may be located on the opposite side of the screen when unfolded, 1g SAR tested at 0 mm on the earpiece surface using the flat phantom fulfills the Head SAR evaluation requirement.

7.12 Adaptive Frame Switching (AFS) Considerations

This device supports Adaptive Frame Switching (AFS) for low-band operation (700 MHz and 800 MHz). Depending on device conditions, the transmission path dynamically switches between Ant A only and Ant A + Ant C configurations to optimize performance. AFS is controlled by the Hall effect sensor (for folder open/close detection) and the grip sensor. In the folder open state, the device always defaults to the Ant A + Ant C configuration. In the folder closed state, the device may use either Ant A or Ant A + Ant C, depending on grip detection. Since Ant A is not used in the folder open state under either normal or fallback operation, SAR testing for Ant A in the folder open state is not required.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

8 RF EXPOSURE LIMITS

8.1 Uncontrolled Environment

UNCONTROLLED ENVIRONMENTS are defined as locations where there is the exposure of individuals who have no knowledge or control of their exposure. The general population/uncontrolled exposure limits are applicable to situations in which the general public may be exposed or in which persons who are exposed as a consequence of their employment may not be made fully aware of the potential for exposure or cannot exercise control over their exposure. Members of the general public would come under this category when exposure is not employment-related; for example, in the case of a wireless transmitter that exposes persons in its vicinity.

8.2 Controlled Environment

CONTROLLED ENVIRONMENTS are defined as locations where there is exposure that may be incurred by persons who are aware of the potential for exposure, (i.e. as a result of employment or occupation). In general, occupational/controlled exposure limits are applicable to situations in which persons are exposed as a consequence of their employment, who have been made fully aware of the potential for exposure and can exercise control over their exposure. This exposure category is also applicable when the exposure is of a transient nature due to incidental passage through a location where the exposure levels may be higher than the general population/uncontrolled limits, but the exposed person is fully aware of the potential for exposure and can exercise control over his or her exposure by leaving the area or by some other appropriate means.

Table 8-1
SAR Human Exposure Specified in ANSI/IEEE C95.1-1992 and Health Canada Safety Code 6

HUMAN EXPOSURE LIMITS		
	UNCONTROLLED ENVIRONMENT *General Population* (W/kg) or (mW/g)	CONTROLLED ENVIRONMENT *Occupational* (W/kg) or (mW/g)
Peak Spatial Average SAR Head	1.6	8.0
Whole Body SAR	0.08	0.4
Peak Spatial Average SAR Hands, Feet, Ankle, Wrists, etc.	4.0	20

1. The Spatial Peak value of the SAR averaged over any 1 gram of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.
2. The Spatial Average value of the SAR averaged over the whole body.
3. The Spatial Peak value of the SAR averaged over any 10 grams of tissue (defined as a tissue volume in the shape of a cube) and over the appropriate averaging time.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

8.3 RF Exposure Limits for Frequencies above 6 GHz

Per §1.1310 (d)(3), the MPE limits are applied for frequencies above 6 GHz. Power Density is expressed in units of W/m^2 or mW/cm^2.

Peak Spatially Averaged Power Density was evaluated over a circular area of 4 cm^2 per interim FCC Guidance for near-field power density evaluations per October 2018 TCB Workshop notes.

Table 8-2
Human Exposure Limits Specified in FCC 47 CFR §1.1310

Human Exposure to Radiofrequency (RF) Radiation Limits		
Frequency Range [MHz]	**Power Density** [mW/cm^2]	**Average Time** [Minutes]
(A) Limits For Occupational / Controlled Environments		
1,500 – 100,000	5.0	6
(B) Limits For General Population / Uncontrolled Environments		
1,500 – 100,000	1.0	30

Note: 1.0 mW/cm^2 is 10 W/m^2

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

9 FCC MEASUREMENT PROCEDURES

Power measurements for licensed transmitters are performed using a base station simulator under digital average power.

9.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D04v01, when SAR is not measured at the maximum power level allowed for production units, the results must be scaled to the maximum tune-up tolerance limit according to the power applied to the individual channels tested to determine compliance. For simultaneous transmission, the measured aggregate SAR must be scaled according to the sum of the differences between the maximum tune-up tolerance and actual power used to test each transmitter. When SAR is measured at or scaled to the maximum tune-up tolerance limit, the results are referred to as *reported* SAR. The highest *reported* SAR results are identified on the grant of equipment authorization according to procedures in KDB 690783 D01v01r03.

9.2 3G SAR Test Reduction Procedure

In FCC KDB Publication 941225 D01v03r01, certain transmission modes within a frequency band and wireless mode evaluated for SAR are defined as primary modes. The equivalent modes considered for SAR test reduction are denoted as secondary modes. When the maximum output power including tune-up tolerance specified for production units in a secondary mode is ≤ 0.25 dB higher than the primary mode or when the highest reported SAR of the primary mode, scaled by the ratio of specified maximum output power and tune-up tolerance of secondary to primary mode, is ≤ 1.2 W/kg, SAR measurements are not required for the secondary mode. These criteria are referred to as the 3G SAR test reduction procedure. When the 3G SAR test reduction procedure is not satisfied, SAR measurements are additionally required for the secondary mode.

9.3 Procedures Used to Establish RF Signal for SAR

The following procedures are according to FCC KDB Publication 941225 D01v03r01 “3G SAR Measurement Procedures.”

The device is placed into a simulated call using a base station simulator in a RF shielded chamber. Establishing connections in this manner ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. Devices under test are evaluated prior to testing, with a fully charged battery and were configured to operate at maximum output power. In order to verify that the device is tested throughout the SAR test at maximum output power, the SAR measurement system measures a “point SAR” at an arbitrary reference point at the start and end of the 1 gram SAR evaluation, to assess for any power drifts during the evaluation. If the power drift deviates by more than 5%, the SAR test and drift measurements are repeated.

9.4 SAR Measurement Conditions for UMTS

9.4.1 Output Power Verification

Maximum output power is verified on the High, Middle and Low channels according to the general descriptions in section 5.2 of 3GPP TS 34.121, using the appropriate RMC with TPC (transmit power control) set to all “1s” or applying the required inner loop power control procedures to maintain maximum output power while HSUPA is active. Results for all applicable physical channel configurations (DPCCH, DPDCHn and spreading codes, HS-DPCCH etc) are tabulated in this test report. All configurations that are not supported by the DUT or cannot be measured due to technical or equipment limitations are identified.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

9.4.2 Head SAR Measurements

SAR for next to the ear head exposure is measured using a 12.2 kbps RMC with TPC bits configured to all "1's". The 3G SAR test reduction procedure is applied to AMR configurations with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured for 12.2 kbps AMR in 3.4 kbps SRB (signaling radio bearer) using the highest reported SAR configuration in 12.2 kbps RMC for head exposure.

9.4.3 Body SAR Measurements

SAR for body exposure configurations is measured using the 12.2 kbps RMC with the TPC bits all "1s". The 3G SAR test reduction procedure is applied to other spreading codes and multiple $DPDCH_n$ configurations supported by the handset with 12.2 kbps RMC as the primary mode. Otherwise, SAR is measured using an applicable RMC configuration with the corresponding spreading code or $DPDCH_n$, for the highest reported SAR configuration in 12.2 kbps RMC.

9.4.4 SAR Measurements with Rel 5 HSDPA

The 3G SAR test reduction procedure is applied to HSDPA body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSDPA is measured using an FRC with H-Set 1 in Sub-test 1 and a 12.2 kbps RMC configured in Test Loop Mode 1, for the highest reported SAR configuration in 12.2 kbps RMC without HSDPA. Handsets with both HSDPA and HSUPA are tested according to Release 6 HSPA test procedures.

9.4.5 SAR Measurements with Rel 6 HSUPA

The 3G SAR test reduction procedure is applied to HSPA (HSUPA/HSDPA with RMC) body configurations with 12.2 kbps RMC as the primary mode. Otherwise, Body SAR for HSPA is measured with E-DCH Sub-test 5, using H-Set 1 and QPSK for FRC and a 12.2 kbps RMC configured in Test Loop Mode 1 and power control algorithm 2, according to the highest reported body SAR configuration in 12.2 kbps RMC without HSPA.

When VOIP applies to head exposure, the 3G SAR test reduction procedure is applied with 12.2 kbps RMC as the primary mode; otherwise, the same HSPA configuration used for body SAR measurements are applied to head exposure testing.

9.4.6 SAR Measurement Conditions for DC-HSDPA

SAR is required for Rel. 8 DC-HSDPA when SAR is required for Rel. 5 HSDPA; otherwise, the 3G SAR test reduction procedure is applied to DC-HSDPA with 12.2 kbps RMC as the primary mode. Power is measured for DC-HSDPA according to the H-Set 12, FRC configuration in Table C.8.1.12 of 3GPP TS 34.121-1 to determine SAR test reduction. A primary and a secondary serving HS-DSCH Cell are required to perform the power measurement and for the results to be acceptable.

9.5 SAR Measurement Conditions for LTE

LTE modes are tested according to FCC KDB 941225 D05v02r04 publication. Establishing connections with base station simulators ensure a consistent means for testing SAR and are recommended for evaluating SAR [4]. The R&S CMW500 or Anritsu MT8820C simulators are used for LTE output power measurements and SAR testing. Closed loop power control was used so the UE transmits with maximum output power during SAR testing. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).

9.5.1 Spectrum Plots for RB Configurations

A properly configured base station simulator was used for SAR tests and power measurements. Therefore, spectrum plots for RB configurations were not required to be included in this report.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

9.5.2 MPR

MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.

9.5.3 A-MPR

A-MPR (Additional MPR) has been disabled for all SAR tests by setting NS=01 on the base station simulator.

9.5.4 Required RB Size and RB Offsets for SAR Testing

According to FCC KDB 941225 D05v02r04:

a. Per Section 5.2.1, SAR is required for QPSK 1 RB Allocation for the largest bandwidth
   i. The required channel and offset combination with the highest maximum output power is required for SAR.
   ii. When the reported SAR is ≤ 0.8 W/kg, testing of the remaining RB offset configurations and required test channels is not required. Otherwise, SAR is required for the remaining required test channels using the RB offset configuration with highest output power for that channel.
   iii. When the reported SAR for a required test channel is > 1.45 W/kg, SAR is required for all RB offset configurations for that channel.
b. Per Section 5.2.2, SAR is required for 50% RB allocation using the largest bandwidth following the same procedures outlined in Section 5.2.1.
c. Per Section 5.2.3, QPSK SAR is not required for the 100% allocation when the highest maximum output power for the 100% allocation is less than the highest maximum output power of the 1 RB and 50% RB allocations and the reported SAR for the 1 RB and 50% RB allocations is < 0.8 W/kg.
d. Per Section 5.2.4 and 5.3, SAR tests for higher order modulations and lower bandwidths configurations are not required when the conducted power of the required test configurations determined by Sections 5.2.1 through 5.2.3 is less than or equal to ½ dB higher than the equivalent configuration using QPSK modulation and when the QPSK SAR for those configurations is <1.45 W/kg.

9.5.5 TDD

LTE TDD testing is performed using the SAR test guidance provided in FCC KDB 941225 D05v02r04. TDD is tested at the highest duty factor using UL-DL configuration 0 with special subframe configuration 6 and applying the FDD LTE procedures in KDB 941225 D05v02r04. SAR testing is performed using the extended cyclic prefix listed in 3GPP TS 36.211 Section 4.

9.5.6 Downlink Only Carrier Aggregation

Per FCC guidance in KDB Publication 941225 D05A and as clarified during the April 2024 TCB Workshop, no SAR measurement or additional conducted power measurement is required for downlink-only carrier aggregation (DLCA) configurations, provided there is no uplink carrier aggregation and sufficient design justification exists that enabling DLCA does not increase uplink transmit power. In DLCA configurations, uplink signaling remains confined to the Primary Component Carrier (PCC), and Secondary Component Carriers (SCCs) are added for downlink throughput enhancement only. Based on engineering design review and consistency with prior product implementations, enabling DLCA does not affect uplink power on the PCC for this device. Therefore, SAR testing and additional conducted power measurements under DLCA-active conditions were not required.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

9.6 SAR Testing with 802.11 Transmitters

The normal network operating configurations of 802.11 transmitters are not suitable for SAR measurements. Unpredictable fluctuations in network traffic and antenna diversity conditions can introduce undesirable variations in SAR results. The SAR for these devices should be measured using chipset based test mode software to ensure the results are consistent and reliable. See KDB Publication 248227 D01v02r02 for more details.

9.6.1 General Device Setup

Chipset based test mode software is hardware dependent and generally varies among manufacturers. The device operating parameters established in test mode for SAR measurements must be identical to those programmed in production units, including output power levels, amplifier gain settings and other RF performance tuning parameters.

A periodic duty factor is required for current generation SAR systems to measure SAR. When 802.11 frame gaps are accounted for in the transmission, a maximum transmission duty factor of 92 - 96% is typically achievable in most test mode configurations. A minimum transmission duty factor of 85% is required to avoid certain hardware and device implementation issues related to wide range SAR scaling. The reported SAR is scaled to 100% transmission duty factor to determine compliance at the maximum tune-up tolerance limit.

9.6.2 U-NII-1 and U-NII-2A

For devices that operate in both U-NII-1 and U-NII-2A bands, when the same maximum output power is specified for both bands, SAR measurement using OFDM SAR test procedures is not required for U-NII-1 unless the highest reported SAR for U-NII-2A is > 1.2 W/kg. When different maximum output powers are specified for the bands, SAR measurement for the U-NII band with the lower maximum output power is not required unless the highest reported SAR for the U-NII band with the higher maximum output power, adjusted by the ratio of lower to higher specified maximum output power for the two bands, is > 1.2 W/kg. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.3 U-NII-2C and U-NII-3

The frequency range covered by U-NII-2C and U-NII-3 is 380 MHz (5.47 – 5.85 GHz), which requires a minimum of at least two SAR probe calibration frequency points to support SAR measurements. When Terminal Doppler Weather Radar (TDWR) restriction applies, the channels at 5.60 – 5.65 GHz in U-NII-2C band must be disabled with acceptable mechanisms and documented in the equipment certification. Unless band gap channels are permanently disabled, SAR must be considered for these channels. Each band is tested independently according to the normally required OFDM SAR measurement and probe calibration frequency points requirements.

9.6.4 Initial Test Position Procedure

For exposure conditions with multiple test positions, such as handset operating next to the ear, devices with hotspot mode or UMPC mini-tablet, procedures for initial test position can be applied. Using the transmission mode determined by the DSSS procedure or initial test configuration, area scans are measured for all positions in an exposure condition. The test position with the highest extrapolated (peak) SAR is used as the initial test position. When reported SAR for the initial test position is ≤ 0.4 W/kg, no additional testing for the remaining test positions is required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.5 2.4 GHz SAR Test Requirements

SAR is measured for 2.4 GHz 802.11b DSSS using either the fixed test position or, when applicable, the initial test position procedure. SAR test reduction is determined according to the following:

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

1) When the reported SAR of the highest measured maximum output power channel for the exposure configuration is ≤ 0.8 W/kg, no further SAR testing is required for 802.11b DSSS in that exposure configuration.

2) When the reported SAR is > 0.8 W/kg, SAR is required for that position using the next highest measured output power channel. When any reported SAR is > 1.2 W/kg, SAR is required for the third channel; i.e., all channels require testing.

2.4 GHz 802.11 g/n/ax OFDM are additionally evaluated for SAR if the highest reported SAR for 802.11b, adjusted by the ratio of the OFDM to DSSS specified maximum output power, is > 1.2 W/kg. When SAR is required for OFDM modes in 2.4 GHz band, the Initial Test Configuration Procedures should be followed. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.6 OFDM Transmission Mode and SAR Test Channel Selection

When the same maximum output power was specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration with the largest channel bandwidth, lowest order modulation and lowest data rate. When the maximum output power of a channel is the same for equivalent OFDM configurations; for example, 802.11a, 802.11n and 802.11ac or 802.11g and 802.11n with the same channel bandwidth, modulation and data rate etc., the lower order 802.11 mode i.e., 802.11a, then 802.11n and 802.11ac or 802.11g then 802.11n, is used for SAR measurement. Per April 2019 TCB Workshop and FCC guidance, 802.11ax/be was considered the highest order 802.11 mode. When the maximum output power are the same for multiple test channels, either according to the default or additional power measurement requirements, SAR is measured using the channel closest to the middle of the frequency band or aggregated band. When there are multiple channels with the same maximum output power, SAR is measured using the higher number channel.

9.6.7 Initial Test Configuration Procedure

For OFDM, an initial test configuration is determined for each frequency band and aggregated band, according to the transmission mode with the highest maximum output power specified for SAR measurements. When the same maximum output power is specified for multiple OFDM transmission mode configurations in a frequency band or aggregated band, SAR is measured using the configuration(s) with the largest channel bandwidth, lowest order modulation, lowest data rate and lowest order IEEE 802.11 mode. The channel of the transmission mode with the highest average RF output conducted power will be the initial test configuration.

When the reported SAR is ≤ 0.8 W/kg, no additional measurements on other test channels are required. Otherwise, SAR is evaluated using the subsequent highest average RF output channel until the reported SAR result is ≤ 1.2 W/kg or all channels are measured. When there are multiple untested channels having the same subsequent highest average RF output power, the channel with higher frequency from the lowest 802.11 mode is considered for SAR measurements (See Section 9.6.6). When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

9.6.8 Subsequent Test Configuration Procedures

For OFDM configurations in each frequency band and aggregated band, SAR is evaluated for initial test configuration using the fixed test position or the initial test position procedure. When the highest reported SAR (for the initial test configuration), adjusted by the ratio of the specified maximum output power of the subsequent test configuration to initial test configuration, is ≤ 1.2 W/kg, no additional SAR tests for the subsequent test configurations are required. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

9.6.9 MIMO SAR considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB Publication 447498 D04v01 should be applied to determine simultaneous transmission SAR test exclusion for WIFI MIMO. If the sum of 1g single transmission chain SAR measurements is <1.6 W/kg, no additional SAR measurements for MIMO are required. Alternatively, SAR for MIMO can be measured with all antennas transmitting simultaneously at the specified maximum output power of MIMO operation. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10 RF CONDUCTED POWERS

All conducted power measurements for Sub6 WWAN technologies and bands in this section were performed by setting *Reserve_power_margin* (Qualcomm® Smart Transmit EFS entry) to 3dB, so that the EUT transmits continuously at minimum (P_{limit}, maximum tune up output power P_{max}).

10.1 GSM Conducted Powers

Table 10-1
Measured P_{max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip) for GSM 850 Ant A, A+C

Maximum Burst-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 850	128	32.05	32.06	31.08	**28.94**	26.95	26.29	24.81	22.75	21.59
	190	32.40	32.21	31.06	**29.10**	27.10	25.90	24.68	22.74	21.77
	251	32.26	32.14	30.70	**29.01**	26.81	26.54	24.89	22.55	21.50

Calculated Maximum Frame-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 850	128	22.85	22.86	24.89	**24.51**	23.77	17.09	18.62	18.32	18.41
	190	23.20	23.01	24.87	**24.67**	23.92	16.70	18.49	18.31	18.59
	251	23.06	22.94	24.51	**24.58**	23.63	17.34	18.70	18.12	18.32
GSM 850	**Frame Avg.Targets:**	23.30	23.30	25.31	**25.07**	24.32	17.80	18.81	18.57	18.82

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-2
Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) for GSM 850 Ant A, A+C

Maximum Burst-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 850	128	27.29	27.30	24.32	22.52	**21.74**	26.29	24.81	22.75	21.59
	190	27.41	27.45	24.36	22.72	**21.60**	25.90	24.68	22.74	21.77
	251	27.36	27.29	24.46	22.71	**21.35**	26.54	24.89	22.55	21.50

Calculated Maximum Frame-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 850	128	18.09	18.10	18.13	18.09	**18.56**	17.09	18.62	18.32	18.41
	190	18.21	18.25	18.17	18.29	**18.42**	16.70	18.49	18.31	18.59
	251	18.16	18.09	18.27	18.28	**18.17**	17.34	18.70	18.12	18.32
GSM 850	**Frame Avg.Targets:**	18.80	18.80	18.81	18.77	**18.82**	17.80	18.81	18.57	18.82

Table 10-3
Measured P_{max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip) for GSM 850 Ant E

Maximum Burst-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 850	128	32.31	32.21	30.94	**28.70**	26.51	25.77	24.45	22.38	21.16
	190	32.58	32.43	30.90	**28.62**	26.61	25.58	24.46	22.34	21.37
	251	32.49	32.74	30.82	**28.63**	26.76	26.19	24.41	22.31	21.17

Calculated Maximum Frame-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 850	128	23.11	23.01	24.75	**24.27**	23.33	16.57	18.26	17.95	17.98
	190	23.38	23.23	24.71	**24.19**	23.43	16.38	18.27	17.91	18.19
	251	23.29	23.54	24.63	**24.20**	23.58	16.99	18.22	17.88	17.99
GSM 850	**Frame Avg.Targets:**	23.30	23.30	25.31	**25.07**	24.32	17.80	18.81	18.57	18.82

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-4
Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) for GSM 850 Ant E

Maximum Burst-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 850	128	26.35	26.58	23.59	22.15	**20.75**	25.77	23.47	21.26	20.21
	190	26.49	26.59	23.56	21.85	**20.69**	25.58	23.41	21.16	20.34
	251	26.33	26.37	23.35	21.41	**20.35**	26.19	23.38	21.09	20.30

Calculated Maximum Frame-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 850	128	17.15	17.38	17.40	17.72	**17.57**	16.57	17.28	16.83	17.03
	190	17.29	17.39	17.37	17.42	**17.51**	16.38	17.22	16.73	17.16
	251	17.13	17.17	17.16	16.98	**17.17**	16.99	17.19	16.66	17.12
GSM 850	**Frame Avg.Targets:**	17.80	17.80	17.81	17.77	**17.82**	17.80	17.81	17.77	17.82

Table 10-5
Measured P_{max} for DSI = 3 (F/C Head) for GSM 1900 Ant B

Maximum Burst-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 1900	512	29.77	29.80	28.06	**26.00**	23.86	25.32	24.21	22.38	21.28
	661	29.79	29.85	27.51	**25.57**	23.55	25.18	24.00	22.02	20.91
	810	29.76	29.85	27.81	**25.76**	23.61	25.51	24.23	22.29	21.21

Calculated Maximum Frame-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 1900	512	20.57	20.60	21.87	**21.57**	20.68	16.12	18.02	17.95	18.10
	661	20.59	20.65	21.32	**21.14**	20.37	15.98	17.81	17.59	17.73
	810	20.56	20.65	21.62	**21.33**	20.43	16.31	18.04	17.86	18.03
GSM 1900	**Frame Avg.Targets:**	20.80	20.80	21.81	**22.07**	21.32	16.80	17.81	17.57	17.82

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-6
Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip) for GSM 1900 Ant B

Maximum Burst-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 1900	512	27.79	27.84	24.69	22.81	**21.35**	25.32	24.21	22.38	21.28
	661	27.43	27.47	24.37	22.74	**21.01**	25.18	24.00	22.02	20.91
	810	27.61	27.66	24.48	22.71	**21.12**	25.51	24.23	22.29	21.21

Calculated Maximum Frame-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 1900	512	18.59	18.64	18.50	18.38	**18.17**	16.12	18.02	17.95	18.10
	661	18.23	18.27	18.18	18.31	**17.83**	15.98	17.81	17.59	17.73
	810	18.41	18.46	18.29	18.28	**17.94**	16.31	18.04	17.86	18.03
GSM 1900	**Frame Avg.Targets:**	18.30	18.30	18.31	18.27	**18.32**	16.80	17.81	17.57	17.82

Table 10-7
Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) for GSM 1900 Ant B

Maximum Burst-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 1900	512	20.70	20.70	17.83	16.27	**15.30**	20.62	17.76	16.20	14.94
	661	20.90	20.93	17.86	16.20	**15.10**	21.21	17.89	16.73	15.41
	810	21.00	21.05	18.10	16.44	**15.27**	21.01	18.13	16.47	15.43

Calculated Maximum Frame-Averaged Output Power										
		Voice	*GPRS/EDGE Data (GMSK)*				*EDGE Data (8-PSK)*			
Band	**Channel**	**GSM [dBm] CS (1 Slot)**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**GPRS [dBm] 3 Tx Slot**	**GPRS [dBm] 4 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**	**EDGE [dBm] 3 Tx Slot**	**EDGE [dBm] 4 Tx Slot**
GSM 1900	512	11.50	11.50	11.64	11.84	**12.12**	11.42	11.57	11.77	11.76
	661	11.70	11.73	11.67	11.77	**11.92**	12.01	11.70	12.30	12.23
	810	11.80	11.85	11.91	12.01	**12.09**	11.81	11.94	12.04	12.25
GSM 1900	**Frame Avg.Targets:**	11.80	11.80	11.81	11.77	**11.82**	11.80	11.81	11.77	11.82

Note:

1. Both burst-averaged and calculated frame-averaged powers are included. Frame-averaged power was calculated from the measured burst-averaged power by converting the slot powers into linear units and calculating the energy over 8 timeslots.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

2. GPRS/EDGE (GMSK) output powers were measured with coding scheme setting of 1 (CS1) on the base station simulator. CS1 was configured to measure GPRS output power measurements and SAR to ensure GMSK modulation in the signal. Our Investigation has shown that CS1 - CS4 settings do not have any impact on the output levels or modulation in the GPRS modes.
3. EDGE (8-PSK) output powers were measured with MCS7 on the base station simulator. MCS7 coding scheme was used to measure the output powers for EDGE since investigation has shown that choosing MCS7 coding scheme will ensure 8-PSK modulation. It has been shown that MCS levels that produce 8-PSK modulation do not have an impact on output power.

GSM Class: B
GPRS Multislot class: 33 (Max 4 Tx uplink slots)
EDGE Multislot class: 33 (Max 4 Tx uplink slots)
DTM Multislot Class: N/A

Figure 10-1
Power Measurement Setup

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.2 UMTS Conducted Powers

Table 10-8
Measured P_{max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip) for UMTS 850 Ant A, A+C

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	
99	WCDMA	12.2 kbps RMC	**24.79**	24.61	24.39	-
99		12.2 kbps AMR	24.73	24.55	24.31	-
6	HSDPA	Subtest 1	23.76	23.41	23.16	0
6		Subtest 2	23.67	23.42	23.15	0
6		Subtest 3	23.10	22.90	22.63	0.5
6		Subtest 4	23.11	22.90	22.64	0.5
6	HSUPA	Subtest 1	23.90	23.66	23.45	0
6		Subtest 2	21.98	21.68	21.49	2
6		Subtest 3	22.87	22.68	22.54	1
6		Subtest 4	21.86	21.70	21.48	2
6		Subtest 5	23.65	23.50	23.27	0
8	DC-HSDPA	Subtest 1	23.63	23.39	23.19	0
8		Subtest 2	23.66	23.42	23.20	0
8		Subtest 3	23.14	22.90	22.67	0.5
8		Subtest 4	23.13	22.87	22.69	0.5

Table 10-9
Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) for UMTS 850 Ant A, A+C

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	
99	WCDMA	12.2 kbps RMC	**18.51**	18.25	18.06	-
99		12.2 kbps AMR	18.45	18.21	18.07	-
6	HSDPA	Subtest 1	17.24	17.09	16.90	0
6		Subtest 2	17.28	17.11	16.91	0
6		Subtest 3	16.76	16.58	16.40	0.5
6		Subtest 4	16.77	16.61	16.40	0.5
6	HSUPA	Subtest 1	17.49	17.29	17.06	0
6		Subtest 2	15.41	15.23	15.04	2
6		Subtest 3	16.44	16.22	16.05	1
6		Subtest 4	15.34	15.13	14.97	2
6		Subtest 5	17.38	17.25	16.98	0
8	DC-HSDPA	Subtest 1	17.33	17.13	16.91	0
8		Subtest 2	17.34	17.16	16.92	0
8		Subtest 3	16.83	16.63	16.41	0.5
8		Subtest 4	16.83	16.63	16.43	0.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-10
Measured P_{max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip) for UMTS 850 Ant E

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	
99	WCDMA	12.2 kbps RMC	**24.40**	23.95	23.74	-
99		12.2 kbps AMR	24.36	23.95	23.79	-
6	HSDPA	Subtest 1	22.96	22.76	22.47	0
6		Subtest 2	22.99	22.76	22.48	0
6		Subtest 3	22.46	22.23	22.00	0.5
6		Subtest 4	22.50	22.26	21.99	0.5
6	HSUPA	Subtest 1	23.47	23.20	22.94	0
6		Subtest 2	21.47	21.20	20.95	2
6		Subtest 3	22.51	22.17	22.83	1
6		Subtest 4	21.37	21.10	20.82	2
6		Subtest 5	23.39	23.14	22.83	0
8	DC-HSDPA	Subtest 1	22.84	22.58	22.39	0
8		Subtest 2	22.86	22.68	22.45	0
8		Subtest 3	22.34	22.17	21.93	0.5
8		Subtest 4	22.34	22.18	21.93	0.5

Table 10-11
Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) for UMTS 850 Ant E

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			3GPP MPR [dB]
			4132	4183	4233	
99	WCDMA	12.2 kbps RMC	**19.86**	19.71	19.42	-
99		12.2 kbps AMR	19.80	19.63	19.36	-
6	HSDPA	Subtest 1	18.84	18.53	18.26	0
6		Subtest 2	18.81	18.52	18.27	0
6		Subtest 3	18.28	18.06	17.77	0.5
6		Subtest 4	18.28	18.04	17.77	0.5
6	HSUPA	Subtest 1	18.77	18.55	18.28	0
6		Subtest 2	16.61	16.38	16.17	2
6		Subtest 3	18.12	17.86	17.62	1
6		Subtest 4	16.63	16.44	16.17	2
6		Subtest 5	18.52	18.39	18.17	0
8	DC-HSDPA	Subtest 1	18.51	18.28	18.02	0
8		Subtest 2	18.53	18.29	18.04	0
8		Subtest 3	18.02	17.77	17.52	0.5
8		Subtest 4	18.03	17.75	17.56	0.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-12
Measured P_{max} for DSI = 3 (F/C Head) for UMTS 1750 & UMTS 1900 Ant B

3GPP Release Version	Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	**23.26**	23.19	23.24	23.10	23.37	**23.68**	-
99		12.2 kbps AMR	23.28	23.18	23.22	23.15	23.36	23.66	-
6	HSDPA	Subtest 1	22.19	22.09	22.14	22.02	22.20	22.44	0
6		Subtest 2	22.16	22.10	22.11	21.99	22.19	22.36	0
6		Subtest 3	21.62	21.61	21.63	21.50	21.69	21.87	0.5
6		Subtest 4	21.67	21.58	21.62	21.47	21.70	21.89	0.5
6	HSUPA	Subtest 1	22.23	22.22	22.24	22.16	22.38	22.62	0
6		Subtest 2	20.22	20.22	20.28	20.20	20.37	20.61	2
6		Subtest 3	21.21	21.16	21.17	21.15	21.42	21.57	1
6		Subtest 4	20.21	20.16	20.19	20.13	20.30	20.53	2
6		Subtest 5	22.22	22.12	22.18	22.11	22.28	22.52	0
8	DC-HSDPA	Subtest 1	22.13	22.09	22.11	22.14	22.32	22.53	0
8		Subtest 2	22.17	22.06	22.13	22.04	22.27	22.46	0
8		Subtest 3	21.67	21.60	21.63	21.58	21.78	22.00	0.5
8		Subtest 4	21.68	21.61	21.62	21.58	21.79	22.01	0.5

Table 10-13
Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip) for UMTS 1750 & UMTS 1900 Ant B

Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
		1312	1412	1513	9262	9400	9538	
WCDMA	12.2 kbps RMC	**17.66**	17.60	17.65	17.80	17.66	**17.93**	-
	12.2 kbps AMR	17.41	17.33	17.55	17.49	17.41	17.70	-
HSDPA	Subtest 1	16.46	16.45	16.51	16.32	16.50	16.79	0
	Subtest 2	16.43	16.45	16.52	16.32	16.47	16.72	0
	Subtest 3	15.92	15.93	16.05	15.76	15.98	16.20	0.5
	Subtest 4	15.95	15.95	15.99	15.81	15.97	16.21	0.5
HSUPA	Subtest 1	16.31	16.33	16.46	16.24	16.43	16.69	0
	Subtest 2	14.30	14.33	14.42	14.20	14.37	14.60	2
	Subtest 3	15.44	15.44	15.51	15.30	15.50	15.73	1
	Subtest 4	14.34	14.36	14.51	14.27	14.40	14.64	2
	Subtest 5	16.42	16.41	16.51	16.22	16.39	16.67	0
DC-HSDPA	Subtest 1	16.33	16.31	16.44	16.13	16.32	16.58	0
	Subtest 2	16.26	16.32	16.41	16.13	16.33	16.53	0
	Subtest 3	15.77	15.80	15.91	15.65	15.83	16.04	0.5
	Subtest 4	15.81	15.82	15.90	15.68	15.83	16.05	0.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-14
Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) for UMTS 1750 & UMTS 1900 Ant B

3GPP Release Version	Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			3GPP MPR [dB]
			1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	**12.84**	12.75	12.78	12.66	12.69	**12.93**	-
99		12.2 kbps AMR	12.87	12.76	12.80	12.47	12.70	12.96	-
6	HSDPA	Subtest 1	10.49	10.46	10.43	10.26	10.45	10.67	0
6		Subtest 2	10.49	10.50	10.43	10.26	10.45	10.64	0
6		Subtest 3	9.93	10.01	9.93	9.75	9.97	10.14	0.5
6		Subtest 4	9.98	10.01	9.91	9.74	9.96	10.16	0.5
6	HSUPA	Subtest 1	10.48	10.52	10.45	10.30	10.45	10.66	0
6		Subtest 2	8.48	8.53	8.45	8.28	8.48	8.50	2
6		Subtest 3	9.50	9.53	9.47	9.25	9.50	9.65	1
6		Subtest 4	8.54	8.49	8.43	8.27	8.47	8.62	2
6		Subtest 5	10.48	10.54	10.45	10.30	10.49	10.64	0
8	DC-HSDPA	Subtest 1	10.47	10.49	10.41	10.24	10.48	10.68	0
8		Subtest 2	10.46	10.48	10.41	10.26	10.45	10.65	0
8		Subtest 3	9.96	10.00	9.93	9.74	9.97	10.16	0.5
8		Subtest 4	9.97	10.01	9.92	9.72	9.96	10.17	0.5

DC-HSDPA considerations

- 3GPP Specification 34.121-1 Release 8 Ver 8.10.0 was used for DC-HSDPA guidance
- H-Set 12 (QPSK) was confirmed to be used during DC-HSDPA measurements
- The DUT supports UE category 24 for HSDPA

It is expected by the manufacturer that MPR for some HSPA subtests may be up to 2 dB more than specified by 3GPP, but also as low as 0 dB according to the chipset implementation in this model.

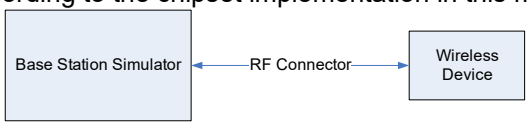


Figure 10-2
Power Measurement Setup

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.3 LTE Conducted Powers

Note: Per FCC KDB Publication 941225 D05v02r05, LTE SAR for the lower bandwidths was not required for testing since the maximum average output power of all required channels and configurations was not more than 0.5 dB higher than the highest bandwidth and the reported LTE SAR for the highest bandwidth was less than 1.45 W/kg. Lower bandwidth conducted powers for all LTE bands can be found in LTE and NR Lower Bandwidth RF Conducted Powers Appendix.

Note: Some bands do not support three non-overlapping channels. Per KDB Publication 941225 D05v02, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

LTE Carrier Aggregation Notes:

1. This device supports uplink carrier aggregation for LTE CA_ 48C, with a maximum of two component carriers. For intraband contiguous carrier aggregation scenarios, 3GPP 36.101 Table 6.2.2A-1 specifies that the aggregate maximum allowed output power is equivalent to the single carrier scenario. 3GPP 36.101 6.2.3A allows for several dB of MPR to be applied when non-contiguous RB allocation is implemented. The conducted powers and MPR settings in this device are permanently implemented per the above 3GPP requirements.
2. Per FCC Guidance, the output power with uplink CA active was measured for the configuration with the highest reported SAR with single carrier for each exposure condition. The power was measured with wideband signal integration over both component carriers.

10.3.1 LTE Band 71

Table 10-15
LTE Band 71 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 133297 (680.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**24.59**	0	0
	1	50	24.30		0
	1	99	24.09		0
	50	0	**23.46**	0-1	1
	50	25	23.38		1
	50	50	23.20		1
	100	0	23.35		1
16QAM	1	0	23.99	0-1	1
	1	50	23.72		1
	1	99	23.44		1
	50	0	22.45	0-2	2
	50	25	22.37		2
	50	50	22.18		2
	100	0	22.34		2
64QAM	1	0	22.70	0-2	2
	1	50	22.66		2
	1	99	22.30		2
	50	0	21.46	0-3	3
	50	25	21.37		3
	50	50	21.16		3
	100	0	21.32		3
256QAM	1	0	19.63	0-5	5
	1	50	19.56		5
	1	99	19.18		5
	50	0	19.41		5
	50	25	19.33		5
	50	50	19.12		5
	100	0	19.29		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-16
LTE Band 71 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 133297 (680.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**18.72**	0	0
	1	50	18.59		0
	1	99	18.37		0
	50	0	**18.75**	0-1	0
	50	25	18.70		0
	50	50	18.47		0
	100	0	18.66		0
16QAM	1	0	19.05	0-1	0
	1	50	18.93		0
	1	99	18.67		0
	50	0	18.76	0-2	0
	50	25	18.68		0
	50	50	18.51		0
	100	0	18.66		0
64QAM	1	0	19.03	0-2	0
	1	50	18.88		0
	1	99	18.60		0
	50	0	18.73	0-3	0
	50	25	18.63		0
	50	50	18.48		0
	100	0	18.62		0
256QAM	1	0	19.03	0-5	0
	1	50	18.87		0
	1	99	18.49		0
	50	0	18.76		0
	50	25	18.67		0
	50	50	18.47		0
	100	0	18.63		0

Table 10-17
LTE Band 71 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 133297 (680.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**24.52**	0	0
	1	50	24.22		0
	1	99	24.09		0
	50	0	**23.34**	0-1	1
	50	25	23.28		1
	50	50	23.08		1
	100	0	23.27		1
16QAM	1	0	23.71	0-1	1
	1	50	23.51		1
	1	99	23.16		1
	50	0	22.36	0-2	2
	50	25	22.28		2
	50	50	22.11		2
	100	0	22.26		2
64QAM	1	0	22.70	0-2	2
	1	50	22.49		2
	1	99	22.23		2
	50	0	21.35	0-3	3
	50	25	21.28		3
	50	50	21.07		3
	100	0	21.24		3
256QAM	1	0	19.61	0-5	5
	1	50	19.39		5
	1	99	19.00		5
	50	0	19.30		5
	50	25	19.24		5
	50	50	19.06		5
	100	0	19.20		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-18
LTE Band 71 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 71 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 133297 (680.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**18.79**	0	0
	1	50	18.71		0
	1	99	18.43		0
	50	0	**18.80**	0-1	0
	50	25	18.72		0
	50	50	18.53		0
	100	0	18.69		0
16QAM	1	0	19.11	0-1	0
	1	50	19.01		0
	1	99	18.67		0
	50	0	18.80	0-2	0
	50	25	18.72		0
	50	50	18.54		0
	100	0	18.68		0
64QAM	1	0	19.01	0-2	0
	1	50	18.95		0
	1	99	18.68		0
	50	0	18.82	0-3	0
	50	25	18.72		0
	50	50	18.55		0
	100	0	18.72		0
256QAM	1	0	19.11	0-5	0
	1	50	18.90		0
	1	99	18.60		0
	50	0	18.81		0
	50	25	18.73		0
	50	50	18.54		0
	100	0	18.71		0

10.3.2 LTE Band 12

Table 10-19
LTE Band 12 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23095 (707.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**23.73**	0	0
	1	25	23.56		0
	1	49	23.66		0
	25	0	22.75	0-1	1
	25	12	22.72		1
	25	25	**22.79**		1
	50	0	22.77		1
16QAM	1	0	23.02	0-1	1
	1	25	22.87		1
	1	49	23.05		1
	25	0	21.78	0-2	2
	25	12	21.74		2
	25	25	21.79		2
	50	0	21.76		2
64QAM	1	0	22.02	0-2	2
	1	25	21.95		2
	1	49	21.90		2
	25	0	20.76	0-3	3
	25	12	20.73		3
	25	25	20.77		3
	50	0	20.71		3
256QAM	1	0	18.96	0-5	5
	1	25	18.80		5
	1	49	18.80		5
	25	0	18.67		5
	25	12	18.68		5
	25	25	18.75		5
	50	0	18.71		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-20
LTE Band 12 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23095 (707.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**18.03**	0	0
	1	25	17.97		0
	1	49	17.89		0
	25	0	17.95	0-1	0
	25	12	17.94		0
	25	25	**17.99**		0
	50	0	17.95		0
16QAM	1	0	18.17	0-1	0
	1	25	17.98		0
	1	49	18.11		0
	25	0	17.97	0-2	0
	25	12	17.94		0
	25	25	17.99		0
	50	0	17.95		0
64QAM	1	0	18.32	0-2	0
	1	25	18.10		0
	1	49	18.27		0
	25	0	17.96	0-3	0
	25	12	17.93		0
	25	25	18.00		0
	50	0	17.96		0
256QAM	1	0	18.23	0-5	0
	1	25	18.05		0
	1	49	18.17		0
	25	0	17.97		0
	25	12	17.96		0
	25	25	18.01		0
	50	0	17.93		0

Table 10-21
LTE Band 12 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23095 (707.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**24.13**	0	0
	1	25	24.01		0
	1	49	23.99		0
	25	0	22.86	0-1	1
	25	12	22.83		1
	25	25	**22.90**		1
	50	0	22.85		1
16QAM	1	0	23.21	0-1	1
	1	25	23.13		1
	1	49	23.16		1
	25	0	21.87	0-2	2
	25	12	21.88		2
	25	25	21.91		2
	50	0	21.83		2
64QAM	1	0	22.20	0-2	2
	1	25	21.96		2
	1	49	22.08		2
	25	0	20.86	0-3	3
	25	12	20.85		3
	25	25	20.86		3
	50	0	20.80		3
256QAM	1	0	19.02	0-5	5
	1	25	19.04		5
	1	49	18.94		5
	25	0	18.81		5
	25	12	18.81		5
	25	25	18.84		5
	50	0	18.77		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-22
LTE Band 12 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 12 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23095 (707.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**19.12**	0	0
	1	25	18.80		0
	1	49	18.92		0
	25	0	18.90	0-1	0
	25	12	18.89		0
	25	25	**19.21**		0
	50	0	18.90		0
16QAM	1	0	19.21	0-1	0
	1	25	19.05		0
	1	49	19.11		0
	25	0	18.87	0-2	0
	25	12	18.84		0
	25	25	18.91		0
	50	0	18.90		0
64QAM	1	0	19.20	0-2	0
	1	25	19.08		0
	1	49	19.07		0
	25	0	18.92	0-3	0
	25	12	18.86		0
	25	25	18.92		0
	50	0	18.88		0
256QAM	1	0	19.14	0-5	0
	1	25	18.98		0
	1	49	19.01		0
	25	0	18.90		0
	25	12	18.93		0
	25	25	18.93		0
	50	0	18.88		0

10.3.3 LTE Band 13

Table 10-23
LTE Band 13 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23230 (782.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**24.85**	0	0
	1	25	24.75		0
	1	49	24.48		0
	25	0	**23.90**	0-1	1
	25	12	23.87		1
	25	25	23.69		1
	50	0	23.88		1
16QAM	1	0	24.23	0-1	1
	1	25	24.16		1
	1	49	23.92		1
	25	0	22.93	0-2	2
	25	12	22.88		2
	25	25	22.69		2
	50	0	22.92		2
64QAM	1	0	23.14	0-2	2
	1	25	22.96		2
	1	49	22.79		2
	25	0	21.92	0-3	3
	25	12	21.86		3
	25	25	21.66		3
	50	0	21.89		3
256QAM	1	0	20.05	0-5	5
	1	25	20.01		5
	1	49	19.69		5
	25	0	19.85		5
	25	12	19.84		5
	25	25	19.69		5
	50	0	19.90		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-24
LTE Band 13 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23230 (782.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**18.83**	0	0
	1	25	18.61		0
	1	49	18.39		0
	25	0	**18.77**	0-1	0
	25	12	18.74		0
	25	25	18.58		0
	50	0	18.76		0
16QAM	1	0	19.19	0-1	0
	1	25	19.11		0
	1	49	18.87		0
	25	0	18.85	0-2	0
	25	12	18.80		0
	25	25	18.63		0
	50	0	18.84		0
64QAM	1	0	19.05	0-2	0
	1	25	18.96		0
	1	49	18.76		0
	25	0	18.85	0-3	0
	25	12	18.82		0
	25	25	18.65		0
	50	0	18.84		0
256QAM	1	0	19.00	0-5	0
	1	25	18.94		0
	1	49	18.59		0
	25	0	18.79		0
	25	12	18.82		0
	25	25	18.62		0
	50	0	18.86		0

Table 10-25
LTE Band 13 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23230 (782.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	24.42	0	0
	1	25	**25.18**		0
	1	49	24.87		0
	25	0	**24.15**	0-1	1
	25	12	24.09		1
	25	25	23.90		1
	50	0	24.11		1
16QAM	1	0	23.47	0-1	1
	1	25	24.27		1
	1	49	23.96		1
	25	0	23.14	0-2	2
	25	12	23.07		2
	25	25	22.90		2
	50	0	23.12		2
64QAM	1	0	22.69	0-2	2
	1	25	23.29		2
	1	49	22.94		2
	25	0	22.13	0-3	3
	25	12	22.08		3
	25	25	21.85		3
	50	0	22.10		3
256QAM	1	0	19.86	0-5	5
	1	25	20.14		5
	1	49	19.81		5
	25	0	20.04		5
	25	12	20.01		5
	25	25	19.89		5
	50	0	20.08		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-26
LTE Band 13 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 13 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23230 (782.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**19.31**	0	0
	1	25	19.23		0
	1	49	18.86		0
	25	0	**19.31**	0-1	0
	25	12	19.24		0
	25	25	19.07		0
	50	0	19.29		0
16QAM	1	0	19.60	0-1	0
	1	25	19.56		0
	1	49	19.22		0
	25	0	19.32	0-2	0
	25	12	19.31		0
	25	25	19.11		0
	50	0	19.33		0
64QAM	1	0	19.54	0-2	0
	1	25	19.45		0
	1	49	19.15		0
	25	0	19.34	0-3	0
	25	12	19.32		0
	25	25	19.10		0
	50	0	19.30		0
256QAM	1	0	19.39	0-5	0
	1	25	19.32		0
	1	49	19.03		0
	25	0	19.13		0
	25	12	19.27		0
	25	25	19.12		0
	50	0	19.33		0

10.3.4 LTE Band 14

Table 10-27
LTE Band 14 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23330 (793.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**24.50**	0	0
	1	25	24.49		0
	1	49	24.38		0
	25	0	23.52	0-1	1
	25	12	**23.53**		1
	25	25	23.48		1
	50	0	23.50		1
16QAM	1	0	23.86	0-1	1
	1	25	23.85		1
	1	49	23.79		1
	25	0	22.53	0-2	2
	25	12	22.54		2
	25	25	22.45		2
	50	0	22.50		2
64QAM	1	0	22.82	0-2	2
	1	25	22.68		2
	1	49	22.65		2
	25	0	21.52	0-3	3
	25	12	21.52		3
	25	25	21.49		3
	50	0	21.48		3
256QAM	1	0	19.66	0-5	5
	1	25	19.72		5
	1	49	19.49		5
	25	0	19.49		5
	25	12	19.51		5
	25	25	19.45		5
	50	0	19.48		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-28
LTE Band 14 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23330 (793.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	18.53	0	0
	1	25	**18.62**		0
	1	49	18.44		0
	25	0	18.45	0-1	0
	25	12	**18.47**		0
	25	25	18.42		0
	50	0	18.46		0
16QAM	1	0	18.69	0-1	0
	1	25	18.69		0
	1	49	18.58		0
	25	0	18.45	0-2	0
	25	12	18.50		0
	25	25	18.42		0
	50	0	18.46		0
64QAM	1	0	18.68	0-2	0
	1	25	18.73		0
	1	49	18.45		0
	25	0	18.49	0-3	0
	25	12	18.51		0
	25	25	18.40		0
	50	0	18.43		0
256QAM	1	0	18.56	0-5	0
	1	25	18.76		0
	1	49	18.48		0
	25	0	18.49		0
	25	12	18.47		0
	25	25	18.45		0
	50	0	18.43		0

Table 10-29
LTE Band 14 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23330 (793.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**24.65**	0	0
	1	25	24.64		0
	1	49	24.46		0
	25	0	23.64	0-1	1
	25	12	**23.65**		1
	25	25	23.60		1
	50	0	23.60		1
16QAM	1	0	23.97	0-1	1
	1	25	23.92		1
	1	49	23.88		1
	25	0	22.63	0-2	2
	25	12	22.62		2
	25	25	22.56		2
	50	0	22.57		2
64QAM	1	0	22.84	0-2	2
	1	25	22.86		2
	1	49	22.83		2
	25	0	21.60	0-3	3
	25	12	21.59		3
	25	25	21.49		3
	50	0	21.53		3
256QAM	1	0	19.73	0-5	5
	1	25	19.85		5
	1	49	19.58		5
	25	0	19.55		5
	25	12	19.53		5
	25	25	19.48		5
	50	0	19.52		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-30
LTE Band 14 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 14 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 23330 (793.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	18.87	0	0
	1	25	**18.89**		0
	1	49	18.74		0
	25	0	18.75	0-1	0
	25	12	**18.78**		0
	25	25	18.72		0
	50	0	18.74		0
16QAM	1	0	18.96	0-1	0
	1	25	18.95		0
	1	49	18.82		0
	25	0	18.78	0-2	0
	25	12	18.74		0
	25	25	18.71		0
	50	0	18.72		0
64QAM	1	0	18.93	0-2	0
	1	25	18.94		0
	1	49	18.83		0
	25	0	18.73	0-3	0
	25	12	18.78		0
	25	25	18.70		0
	50	0	18.72		0
256QAM	1	0	18.86	0-5	0
	1	25	18.98		0
	1	49	18.73		0
	25	0	18.78		0
	25	12	18.76		0
	25	25	18.69		0
	50	0	18.75		0

10.3.5 LTE Band 26

Table 10-31
LTE Band 26 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 26 (Cell) 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 26865 (831.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	24.56	0	0
	1	36	**24.61**		0
	1	74	24.50		0
	36	0	**23.61**	0-1	1
	36	18	23.60		1
	36	37	23.50		1
	75	0	23.53		1
16QAM	1	0	23.85	0-1	1
	1	36	23.86		1
	1	74	23.77		1
	36	0	22.66	0-2	2
	36	18	22.64		2
	36	37	22.55		2
	75	0	22.60		2
64QAM	1	0	22.79	0-2	2
	1	36	22.95		2
	1	74	22.72		2
	36	0	21.67	0-3	3
	36	18	21.61		3
	36	37	21.57		3
	75	0	21.57		3
256QAM	1	0	19.72	0-5	5
	1	36	19.84		5
	1	74	19.51		5
	36	0	19.60		5
	36	18	19.58		5
	36	37	19.51		5
	75	0	19.54		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-32
LTE Band 26 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 26 (Cell) 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 26865 (831.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	17.85	0	0
	1	36	**18.10**		0
	1	74	17.92		0
	36	0	**17.95**	0-1	0
	36	18	17.94		0
	36	37	17.87		0
	75	0	17.89		0
16QAM	1	0	18.17	0-1	0
	1	36	18.21		0
	1	74	18.09		0
	36	0	17.96	0-2	0
	36	18	17.95		0
	36	37	17.86		0
	75	0	17.91		0
64QAM	1	0	18.10	0-2	0
	1	36	18.20		0
	1	74	17.97		0
	36	0	17.95	0-3	0
	36	18	17.94		0
	36	37	17.88		0
	75	0	17.92		0
256QAM	1	0	18.12	0-5	0
	1	36	18.16		0
	1	74	17.88		0
	36	0	17.96		0
	36	18	17.95		0
	36	37	17.84		0
	75	0	17.90		0

Table 10-33
LTE Band 26 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 26 (Cell) 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 26865 (831.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	24.21	0	0
	1	36	**24.32**		0
	1	74	24.12		0
	36	0	**23.32**	0-1	1
	36	18	23.29		1
	36	37	23.22		1
	75	0	23.28		1
16QAM	1	0	23.50	0-1	1
	1	36	23.49		1
	1	74	23.39		1
	36	0	22.36	0-2	2
	36	18	22.31		2
	36	37	22.24		2
	75	0	22.27		2
64QAM	1	0	22.55	0-2	2
	1	36	22.63		2
	1	74	22.41		2
	36	0	21.34	0-3	3
	36	18	21.32		3
	36	37	21.21		3
	75	0	21.27		3
256QAM	1	0	19.40	0-5	5
	1	36	19.50		5
	1	74	19.20		5
	36	0	19.33		5
	36	18	19.30		5
	36	37	19.19		5
	75	0	19.26		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-34
LTE Band 26 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 26 (Cell) 15 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 26865 (831.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	19.60	0	0
	1	36	**19.66**		0
	1	74	19.53		0
	36	0	**19.72**	0-1	0
	36	18	19.68		0
	36	37	19.61		0
	75	0	19.63		0
16QAM	1	0	19.63	0-1	0
	1	36	19.72		0
	1	74	19.48		0
	36	0	19.57	0-2	0
	36	18	19.55		0
	36	37	19.43		0
	75	0	19.49		0
64QAM	1	0	19.68	0-2	0
	1	36	19.79		0
	1	74	19.55		0
	36	0	19.59	0-3	0
	36	18	19.53		0
	36	37	19.42		0
	75	0	19.49		0
256QAM	1	0	19.20	0-5	1
	1	36	19.29		1
	1	74	19.24		1
	36	0	19.30		1
	36	18	19.26		1
	36	37	19.18		1
	75	0	19.25		1

10.3.6 LTE Band 5

Table 10-35
LTE Band 5 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 5 (Cell) 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20525 (836.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	24.76	0	0
	1	25	**24.79**		0
	1	49	24.67		0
	25	0	**23.70**	0-1	1
	25	12	23.68		1
	25	25	23.57		1
	50	0	23.66		1
16QAM	1	0	23.86	0-1	1
	1	25	23.80		1
	1	49	23.72		1
	25	0	22.71	0-2	2
	25	12	22.69		2
	25	25	22.55		2
	50	0	22.66		2
64QAM	1	0	22.78	0-2	2
	1	25	22.82		2
	1	49	22.69		2
	25	0	21.69	0-3	3
	25	12	21.68		3
	25	25	21.53		3
	50	0	21.67		3
256QAM	1	0	19.78	0-5	5
	1	25	19.82		5
	1	49	19.59		5
	25	0	19.63		5
	25	12	19.63		5
	25	25	19.54		5
	50	0	19.62		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-36
LTE Band 5 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 5 (Cell) 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20525 (836.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	17.96	0	0
	1	25	**17.97**		0
	1	49	17.82		0
	25	0	**18.01**	0-1	0
	25	12	17.95		0
	25	25	17.89		0
	50	0	17.96		0
16QAM	1	0	18.15	0-1	0
	1	25	18.21		0
	1	49	18.04		0
	25	0	18.03	0-2	0
	25	12	17.98		0
	25	25	17.88		0
	50	0	17.97		0
64QAM	1	0	18.20	0-2	0
	1	25	18.19		0
	1	49	18.12		0
	25	0	18.06	0-3	0
	25	12	18.02		0
	25	25	17.94		0
	50	0	17.99		0
256QAM	1	0	18.06	0-5	0
	1	25	18.13		0
	1	49	17.88		0
	25	0	17.97		0
	25	12	17.97		0
	25	25	17.84		0
	50	0	18.00		0

Table 10-37
LTE Band 5 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

LTE Band 5 (Cell) 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20525 (836.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	24.81	0	0
	1	25	**24.84**		0
	1	49	24.70		0
	25	0	**23.51**	0-1	1
	25	12	23.50		1
	25	25	23.47		1
	50	0	23.50		1
16QAM	1	0	23.92	0-1	1
	1	25	23.82		1
	1	49	23.81		1
	25	0	22.54	0-2	2
	25	12	22.52		2
	25	25	22.48		2
	50	0	22.51		2
64QAM	1	0	22.91	0-2	2
	1	25	22.76		2
	1	49	22.63		2
	25	0	21.52	0-3	3
	25	12	21.52		3
	25	25	21.44		3
	50	0	21.46		3
256QAM	1	0	19.60	0-5	5
	1	25	19.56		5
	1	49	19.58		5
	25	0	19.47		5
	25	12	19.52		5
	25	25	19.44		5
	50	0	19.44		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-38
LTE Band 5 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 5 (Cell) 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20525 (836.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	19.78	0	0
	1	25	**19.96**		0
	1	49	19.76		0
	25	0	**19.97**	0-1	0
	25	12	19.66		0
	25	25	19.60		0
	50	0	19.95		0
16QAM	1	0	19.96	0-1	0
	1	25	20.00		0
	1	49	19.89		0
	25	0	19.73	0-2	0
	25	12	19.71		0
	25	25	19.66		0
	50	0	19.70		0
64QAM	1	0	19.85	0-2	0
	1	25	19.86		0
	1	49	19.80		0
	25	0	19.75	0-3	0
	25	12	19.71		0
	25	25	19.67		0
	50	0	19.72		0
256QAM	1	0	19.58	0-5	1
	1	25	19.52		1
	1	49	19.51		1
	25	0	19.43		1
	25	12	19.44		1
	25	25	19.41		1
	50	0	19.43		1

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.3.7 LTE Band 66

Table 10-39
LTE Band 66 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	23.57	23.52	23.64	0	0
	1	50	23.56	23.54	23.59		0
	1	99	23.51	23.65	**23.77**		0
	50	0	22.55	22.55	22.67	0-1	1
	50	25	22.61	22.51	22.68		1
	50	50	22.58	22.64	**22.73**		1
	100	0	22.56	22.50	22.65		1
16QAM	1	0	22.75	22.69	22.86	0-1	1
	1	50	22.73	22.69	23.02		1
	1	99	22.65	22.60	22.97		1
	50	0	21.56	21.47	21.68	0-2	2
	50	25	21.61	21.56	21.71		2
	50	50	21.56	21.50	21.73		2
	100	0	21.57	21.51	21.65		2
64QAM	1	0	21.64	21.78	21.84	0-2	2
	1	50	21.85	21.74	21.91		2
	1	99	21.59	21.75	21.95		2
	50	0	20.55	20.45	20.70	0-3	3
	50	25	20.60	20.51	20.69		3
	50	50	20.55	20.53	20.73		3
	100	0	20.58	20.47	20.69		3
256QAM	1	0	18.68	18.43	18.78	0-5	5
	1	50	18.75	18.67	18.90		5
	1	99	18.60	18.63	18.85		5
	50	0	18.52	18.43	18.63		5
	50	25	18.58	18.50	18.66		5
	50	50	18.54	18.41	18.67		5
	100	0	18.55	18.47	18.68		5

Table 10-40
LTE Band 66 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.31	18.05	18.71	0	0
	1	50	18.50	18.06	18.61		0
	1	99	18.35	18.13	**18.75**		0
	50	0	18.38	18.34	18.50	0-1	0
	50	25	18.43	18.40	18.49		0
	50	50	18.39	18.38	**18.53**		0
	100	0	18.38	18.37	18.46		0
16QAM	1	0	18.55	18.59	18.72	0-1	0
	1	50	18.57	18.48	18.93		0
	1	99	18.36	18.47	18.83		0
	50	0	18.37	18.37	18.49	0-2	0
	50	25	18.47	18.37	18.51		0
	50	50	18.40	18.32	18.57		0
	100	0	18.40	18.34	18.47		0
64QAM	1	0	18.54	18.53	18.69	0-2	0
	1	50	18.57	18.62	18.64		0
	1	99	18.47	18.53	18.79		0
	50	0	18.36	18.31	18.50	0-3	0
	50	25	18.44	18.35	18.50		0
	50	50	18.40	18.35	18.56		0
	100	0	18.39	18.36	18.46		0
256QAM	1	0	18.45	18.30	18.56	0-5	0
	1	50	18.63	18.51	18.78		0
	1	99	18.45	18.50	18.66		0
	50	0	18.35	18.28	18.51		0
	50	25	18.44	18.36	18.51		0
	50	50	18.39	18.35	18.52		0
	100	0	18.42	18.34	18.51		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-41
LTE Band 66 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	**11.63**	11.40	11.48	0	0
	1	50	11.50	11.35	11.60		0
	1	99	11.55	11.35	11.56		0
	50	0	11.48	11.36	11.56	0-1	0
	50	25	**11.64**	11.44	11.56		0
	50	50	11.51	11.38	11.57		0
	100	0	11.59	11.42	11.50		0
16QAM	1	0	11.71	11.69	11.71	0-1	0
	1	50	11.75	11.66	11.75		0
	1	99	11.63	11.68	11.77		0
	50	0	11.50	11.39	11.57	0-2	0
	50	25	11.55	11.45	11.64		0
	50	50	11.52	11.42	11.58		0
	100	0	11.52	11.44	11.61		0
64QAM	1	0	11.56	11.41	11.66	0-2	0
	1	50	11.55	11.44	11.72		0
	1	99	11.45	11.46	11.68		0
	50	0	11.32	11.24	11.44	0-3	0
	50	25	11.40	11.32	11.47		0
	50	50	11.39	11.25	11.52		0
	100	0	11.39	11.28	11.42		0
256QAM	1	0	11.48	11.33	11.59	0-5	0
	1	50	11.52	11.48	11.78		0
	1	99	11.42	11.49	11.71		0
	50	0	11.30	11.26	11.46		0
	50	25	11.43	11.32	11.47		0
	50	50	11.38	11.26	11.50		0
	100	0	11.39	11.30	11.45		0

Table 10-42
LTE Band 66 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	**19.78**	19.30	19.14	0	0
	1	50	19.73	19.41	19.21		0
	1	99	19.63	19.19	19.11		0
	50	0	19.72	19.33	19.19	0-1	0
	50	25	**19.74**	19.36	19.30		0
	50	50	19.67	19.23	19.22		0
	100	0	19.70	19.33	19.28		0
16QAM	1	0	20.10	19.55	19.36	0-1	0
	1	50	19.87	19.54	19.49		0
	1	99	19.64	19.42	19.34		0
	50	0	19.85	19.29	19.20	0-2	0
	50	25	19.79	19.39	19.26		0
	50	50	19.68	19.30	19.20		0
	100	0	19.76	19.36	19.33		0
64QAM	1	0	19.80	19.44	19.29	0-2	0
	1	50	19.90	19.62	19.44		0
	1	99	19.66	19.46	19.34		0
	50	0	19.76	19.37	19.29	0-3	0
	50	25	19.83	19.35	19.27		0
	50	50	19.65	19.38	19.22		0
	100	0	19.82	19.38	19.22		0
256QAM	1	0	19.51	19.15	19.05	0-5	0
	1	50	19.59	18.91	19.03		0
	1	99	19.46	19.14	19.03		0
	50	0	19.43	19.08	18.92		0
	50	25	19.48	19.16	18.90		0
	50	50	19.30	19.06	18.92		0
	100	0	19.48	19.06	18.90		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-43
LTE Band 66 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	**17.89**	17.64	17.46	0	0
	1	50	17.85	17.47	17.63		0
	1	99	17.84	17.46	17.67		0
	50	0	17.83	17.52	17.54	0-1	0
	50	25	**17.90**	17.57	17.62		0
	50	50	17.79	17.45	17.53		0
	100	0	17.87	17.52	17.52		0
16QAM	1	0	17.90	17.76	17.54	0-1	0
	1	50	17.95	17.79	17.87		0
	1	99	17.91	17.77	17.79		0
	50	0	17.95	17.53	17.61	0-2	0
	50	25	17.84	17.49	17.60		0
	50	50	17.87	17.48	17.64		0
	100	0	17.88	17.56	17.63		0
64QAM	1	0	17.96	17.61	17.68	0-2	0
	1	50	17.96	17.75	17.80		0
	1	99	17.91	17.60	17.90		0
	50	0	17.93	17.46	17.58	0-3	0
	50	25	17.92	17.51	17.60		0
	50	50	17.80	17.53	17.52		0
	100	0	17.95	17.56	17.58		0
256QAM	1	0	17.87	17.60	17.55	0-5	0
	1	50	17.98	17.70	17.81		0
	1	99	17.82	17.59	17.78		0
	50	0	17.92	17.51	17.61		0
	50	25	17.91	17.55	17.59		0
	50	50	17.83	17.53	17.54		0
	100	0	17.86	17.55	17.57		0

Table 10-44
LTE Band 66 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	21.22	20.71	20.57	0	0
	1	50	**21.38**	20.75	20.67		0
	1	99	21.06	20.72	20.77		0
	50	0	**21.24**	20.83	20.73	0-1	0
	50	25	21.21	20.85	20.76		0
	50	50	21.13	20.77	20.75		0
	100	0	21.20	20.80	20.80		0
16QAM	1	0	21.50	20.90	20.80	0-1	0
	1	50	21.61	21.10	20.80		0
	1	99	21.29	20.93	21.02		0
	50	0	21.22	20.82	20.77	0-2	0
	50	25	21.22	20.86	20.86		0
	50	50	21.18	20.86	20.67		0
	100	0	21.33	20.81	20.72		0
64QAM	1	0	21.46	20.93	20.87	0-2	0
	1	50	21.42	21.10	20.97		0
	1	99	21.26	20.86	20.84		0
	50	0	21.24	20.84	21.11	0-3	0
	50	25	21.30	20.83	20.77		0
	50	50	21.21	20.77	20.67		0
	100	0	21.27	20.86	20.75		0
256QAM	1	0	19.52	19.16	18.81	0-5	1.5
	1	50	19.62	19.14	19.12		1.5
	1	99	19.43	19.09	19.08		1.5
	50	0	19.44	19.05	18.99		1.5
	50	25	19.50	19.14	19.02		1.5
	50	50	19.40	19.03	18.98		1.5
	100	0	19.47	19.13	18.94		1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-45
LTE Band 66 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

LTE Band 66 (AWS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132072 (1720.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132572 (1770.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	**11.32**	10.70	10.68	0	0
	1	50	11.19	10.60	10.85		0
	1	99	11.00	10.52	10.57		0
	50	0	**11.28**	10.83	10.74	0-1	0
	50	25	11.26	10.80	10.67		0
	50	50	11.08	10.67	10.57		0
	100	0	11.22	10.77	10.65		0
16QAM	1	0	11.42	11.08	11.03	0-1	0
	1	50	11.31	11.04	10.98		0
	1	99	11.11	10.85	10.91		0
	50	0	11.29	10.84	10.71	0-2	0
	50	25	11.27	10.83	10.69		0
	50	50	11.11	10.71	10.58		0
	100	0	11.23	10.81	10.67		0
64QAM	1	0	11.43	11.12	10.79	0-2	0
	1	50	11.42	10.96	10.83		0
	1	99	11.21	10.84	10.74		0
	50	0	11.31	10.85	10.72	0-3	0
	50	25	11.27	10.82	10.68		0
	50	50	11.13	10.69	10.60		0
	100	0	11.25	10.81	10.69		0
256QAM	1	0	11.51	11.01	10.77	0-5	0
	1	50	11.38	10.96	10.92		0
	1	99	11.14	10.75	10.70		0
	50	0	11.30	10.86	10.71		0
	50	25	11.26	10.85	10.70		0
	50	50	11.14	10.71	10.59		0
	100	0	11.25	10.82	10.68		0

10.3.8 LTE Band 25

Table 10-46
LTE Band 25 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	23.34	23.24	23.63	0	0
	1	50	23.17	23.33	**23.73**		0
	1	99	23.32	23.44	23.50		0
	50	0	22.22	22.35	22.47	0-1	1
	50	25	22.31	22.39	**22.58**		1
	50	50	22.25	22.46	22.53		1
	100	0	22.25	22.31	22.54		1
16QAM	1	0	22.53	22.44	22.67	0-1	1
	1	50	22.51	22.54	22.77		1
	1	99	22.53	22.60	22.84		1
	50	0	21.23	21.39	21.50	0-2	2
	50	25	21.32	21.39	21.61		2
	50	50	21.28	21.47	21.57		2
	100	0	21.25	21.36	21.55		2
64QAM	1	0	21.42	21.49	21.66	0-2	2
	1	50	21.46	21.66	21.87		2
	1	99	21.47	21.67	21.90		2
	50	0	20.24	20.37	20.49	0-3	3
	50	25	20.29	20.36	20.59		3
	50	50	20.25	20.47	20.59		3
	100	0	20.27	20.34	20.56		3
256QAM	1	0	18.33	18.46	18.61	0-5	5
	1	50	18.55	18.61	18.78		5
	1	99	18.40	18.58	18.65		5
	50	0	18.18	18.33	18.47		5
	50	25	18.30	18.37	18.58		5
	50	50	18.25	18.45	18.52		5
	100	0	18.27	18.33	18.53		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-47
LTE Band 25 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.32	18.40	18.22	0	0
	1	50	18.30	18.42	18.48		0
	1	99	18.45	18.45	**18.49**		0
	50	0	18.24	18.18	18.27	0-1	0
	50	25	18.32	18.20	**18.39**		0
	50	50	18.34	18.30	18.38		0
	100	0	18.32	18.16	18.33		0
16QAM	1	0	18.40	18.39	18.38	0-1	0
	1	50	18.34	18.49	18.46		0
	1	99	18.28	18.49	18.36		0
	50	0	18.11	18.21	18.29	0-2	0
	50	25	18.16	18.26	18.39		0
	50	50	18.14	18.28	18.42		0
	100	0	18.12	18.20	18.37		0
64QAM	1	0	18.25	18.34	18.39	0-2	0
	1	50	18.42	18.44	18.49		0
	1	99	18.35	18.47	18.45		0
	50	0	18.10	18.20	18.29	0-3	0
	50	25	18.15	18.20	18.41		0
	50	50	18.12	18.30	18.36		0
	100	0	18.10	18.15	18.36		0
256QAM	1	0	18.22	18.17	18.41	0-5	0
	1	50	18.29	18.40	18.49		0
	1	99	18.19	18.32	18.45		0
	50	0	18.07	18.19	18.29		0
	50	25	18.16	18.23	18.40		0
	50	50	18.12	18.31	18.32		0
	100	0	18.12	18.23	18.38		0

Table 10-48
LTE Band 25 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.33	11.20	11.34	0	0
	1	50	11.21	11.33	11.43		0
	1	99	11.22	11.43	**11.44**		0
	50	0	11.22	11.20	11.35	0-1	0
	50	25	11.34	11.23	11.44		0
	50	50	11.24	11.34	**11.48**		0
	100	0	11.11	11.17	11.43		0
16QAM	1	0	11.25	11.42	11.45	0-1	0
	1	50	11.32	11.49	11.59		0
	1	99	11.23	11.61	11.64		0
	50	0	11.10	11.21	11.34	0-2	0
	50	25	11.14	11.21	11.45		0
	50	50	11.15	11.30	11.48		0
	100	0	11.11	11.15	11.43		0
64QAM	1	0	11.30	11.28	11.38	0-2	0
	1	50	11.32	11.44	11.49		0
	1	99	11.33	11.46	11.45		0
	50	0	11.08	11.19	11.33	0-3	0
	50	25	11.14	11.19	11.41		0
	50	50	11.16	11.32	11.40		0
	100	0	11.12	11.14	11.36		0
256QAM	1	0	11.15	11.25	11.45	0-5	0
	1	50	11.26	11.54	11.61		0
	1	99	11.21	11.42	11.48		0
	50	0	11.06	11.17	11.29		0
	50	25	11.14	11.21	11.40		0
	50	50	11.10	11.26	11.38		0
	100	0	11.10	11.16	11.39		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-49
LTE Band 25 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	19.27	19.09	18.91	0	0
	1	50	**19.30**	19.01	18.94		0
	1	99	19.11	18.95	18.92		0
	50	0	**19.33**	19.06	18.96	0-1	0
	50	25	19.23	19.05	18.98		0
	50	50	19.21	18.96	18.91		0
	100	0	19.21	19.02	19.00		0
16QAM	1	0	19.54	19.31	19.16	0-1	0
	1	50	19.52	19.14	19.21		0
	1	99	19.41	19.16	19.14		0
	50	0	19.30	19.05	18.99	0-2	0
	50	25	19.22	19.12	19.01		0
	50	50	19.23	19.01	18.91		0
	100	0	19.20	19.05	18.99		0
64QAM	1	0	19.33	19.25	19.08	0-2	0
	1	50	19.38	19.24	19.04		0
	1	99	19.26	19.09	19.10		0
	50	0	19.21	19.03	18.93	0-3	0
	50	25	19.17	19.02	18.97		0
	50	50	19.13	18.93	18.88		0
	100	0	19.13	19.00	18.94		0
256QAM	1	0	19.09	18.95	18.72	0-5	0.5
	1	50	19.16	18.97	18.77		0.5
	1	99	18.97	18.78	18.62		0.5
	50	0	18.95	18.74	18.65		0.5
	50	25	18.91	18.77	18.71		0.5
	50	50	18.87	18.66	18.58		0.5
	100	0	18.86	18.74	18.70		0.5

Table 10-50
LTE Band 25 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.70	17.86	17.43	0	0
	1	50	**17.98**	17.46	17.35		0
	1	99	17.65	17.40	17.34		0
	50	0	**17.91**	17.64	17.41	0-1	0
	50	25	17.88	17.55	17.56		0
	50	50	17.79	17.49	17.49		0
	100	0	17.81	17.46	17.43		0
16QAM	1	0	17.78	17.62	17.51	0-1	0
	1	50	17.95	17.62	17.71		0
	1	99	17.94	17.52	17.56		0
	50	0	17.92	17.56	17.47	0-2	0
	50	25	17.83	17.56	17.50		0
	50	50	17.79	17.51	17.45		0
	100	0	17.82	17.54	17.51		0
64QAM	1	0	17.97	17.82	17.58	0-2	0
	1	50	17.95	17.61	17.69		0
	1	99	17.92	17.50	17.52		0
	50	0	17.87	17.53	17.60	0-3	0
	50	25	17.89	17.56	17.46		0
	50	50	17.73	17.54	17.57		0
	100	0	17.80	17.55	17.48		0
256QAM	1	0	17.92	17.60	17.46	0-5	0
	1	50	17.98	17.55	17.33		0
	1	99	17.69	17.46	17.35		0
	50	0	17.83	17.56	17.36		0
	50	25	17.88	17.59	17.47		0
	50	50	17.76	17.48	17.47		0
	100	0	17.80	17.53	17.48		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-51
LTE Band 25 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	**21.28**	21.01	20.71	0	0
	1	50	21.25	20.96	20.72		0
	1	99	21.12	20.96	20.69		0
	50	0	21.16	21.01	20.91	0-1	0
	50	25	**21.17**	21.00	20.95		0
	50	50	21.12	20.95	20.87		0
	100	0	21.09	20.97	20.97		0
16QAM	1	0	21.58	21.18	21.13	0-1	0
	1	50	21.58	21.12	21.11		0
	1	99	21.43	21.13	21.17		0
	50	0	21.20	21.01	20.92	0-2	0
	50	25	21.19	21.04	20.94		0
	50	50	21.15	20.92	20.86		0
	100	0	21.12	20.96	20.94		0
64QAM	1	0	21.37	21.21	21.09	0-2	0
	1	50	21.30	21.17	21.17		0
	1	99	21.31	21.12	21.14		0
	50	0	21.21	21.03	20.93	0-3	0
	50	25	21.18	21.04	20.95		0
	50	50	21.15	20.92	20.90		0
	100	0	21.11	21.02	20.98		0
256QAM	1	0	19.53	19.49	19.26	0-5	2
	1	50	19.61	19.45	19.22		2
	1	99	19.26	19.22	19.16		2
	50	0	19.40	19.24	19.14		2
	50	25	19.37	19.22	19.17		2
	50	50	19.33	19.11	19.06		2
	100	0	19.32	19.21	19.14		2

Table 10-52
LTE Band 25 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

LTE Band 25 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26140 (1860.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26590 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.67	10.37	10.36	0	0
	1	50	**10.71**	10.33	10.40		0
	1	99	10.59	10.31	10.31		0
	50	0	**10.68**	10.53	10.48	0-1	0
	50	25	10.64	10.55	10.46		0
	50	50	10.59	10.49	10.40		0
	100	0	10.59	10.50	10.48		0
16QAM	1	0	10.94	10.79	10.50	0-1	0
	1	50	10.95	10.70	10.50		0
	1	99	10.86	10.69	10.50		0
	50	0	10.69	10.57	10.47	0-2	0
	50	25	10.67	10.53	10.50		0
	50	50	10.62	10.48	10.42		0
	100	0	10.59	10.49	10.46		0
64QAM	1	0	10.77	10.71	10.49	0-2	0
	1	50	10.85	10.71	10.59		0
	1	99	10.72	10.69	10.56		0
	50	0	10.73	10.59	10.47	0-3	0
	50	25	10.65	10.56	10.47		0
	50	50	10.64	10.51	10.44		0
	100	0	10.61	10.50	10.47		0
256QAM	1	0	10.81	10.69	10.54	0-5	0
	1	50	10.90	10.74	10.56		0
	1	99	10.66	10.53	10.48		0
	50	0	10.70	10.54	10.46		0
	50	25	10.70	10.58	10.50		0
	50	50	10.62	10.44	10.39		0
	100	0	10.65	10.54	10.49		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.3.9 LTE Band 30

Table 10-53
LTE Band 30 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 27710 (2310.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**23.52**	0	0
	1	25	23.51		0
	1	49	23.36		0
	25	0	22.59	0-1	1
	25	12	**22.70**		1
	25	25	22.67		1
	50	0	22.68		1
16QAM	1	0	22.56	0-1	1
	1	25	22.57		1
	1	49	22.18		1
	25	0	21.64	0-2	2
	25	12	21.73		2
	25	25	21.69		2
	50	0	21.66		2
64QAM	1	0	21.78	0-2	2
	1	25	21.79		2
	1	49	21.48		2
	25	0	20.66	0-3	3
	25	12	20.74		3
	25	25	20.67		3
	50	0	20.70		3
256QAM	1	0	18.66	0-5	5
	1	25	18.82		5
	1	49	18.70		5
	25	0	18.63		5
	25	12	18.68		5
	25	25	18.66		5
	50	0	18.64		5

Table 10-54
LTE Band 30 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 27710 (2310.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**18.86**	0	0
	1	25	18.60		0
	1	49	18.62		0
	25	0	18.65	0-1	0
	25	12	18.70		0
	25	25	**18.71**		0
	50	0	18.68		0
16QAM	1	0	18.94	0-1	0
	1	25	19.01		0
	1	49	19.04		0
	25	0	18.67	0-2	0
	25	12	18.79		0
	25	25	18.78		0
	50	0	18.71		0
64QAM	1	0	18.82	0-2	0
	1	25	18.83		0
	1	49	18.88		0
	25	0	18.66	0-3	0
	25	12	18.78		0
	25	25	18.73		0
	50	0	18.72		0
256QAM	1	0	18.66	0-5	0
	1	25	18.83		0
	1	49	18.71		0
	25	0	18.58		0
	25	12	18.62		0
	25	25	18.59		0
	50	0	18.63		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-55
LTE Band 30 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 27710 (2310.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	11.65	0	0
	1	25	**11.81**		0
	1	49	11.57		0
	25	0	11.77	0-1	0
	25	12	**11.79**		0
	25	25	11.72		0
	50	0	11.74		0
16QAM	1	0	11.94	0-1	0
	1	25	12.00		0
	1	49	11.97		0
	25	0	11.81	0-2	0
	25	12	11.76		0
	25	25	11.81		0
	50	0	11.76		0
64QAM	1	0	11.96	0-2	0
	1	25	11.96		0
	1	49	11.92		0
	25	0	11.79	0-3	0
	25	12	11.79		0
	25	25	11.82		0
	50	0	11.74		0
256QAM	1	0	11.86	0-5	0
	1	25	11.92		0
	1	49	11.86		0
	25	0	11.78		0
	25	12	11.81		0
	25	25	11.68		0
	50	0	11.77		0

Table 10-56
LTE Band 30 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 27710 (2310.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**18.29**	0	0
	1	25	18.22		0
	1	49	18.17		0
	25	0	**18.31**	0-1	0
	25	12	18.18		0
	25	25	18.14		0
	50	0	18.20		0
16QAM	1	0	18.42	0-1	0
	1	25	18.44		0
	1	49	18.29		0
	25	0	18.29	0-2	0
	25	12	18.20		0
	25	25	18.21		0
	50	0	18.21		0
64QAM	1	0	18.45	0-2	0
	1	25	18.45		0
	1	49	18.43		0
	25	0	18.35	0-3	0
	25	12	18.25		0
	25	25	18.29		0
	50	0	18.24		0
256QAM	1	0	18.49	0-5	0
	1	25	18.19		0
	1	49	18.10		0
	25	0	18.08		0
	25	12	18.05		0
	25	25	18.07		0
	50	0	18.07		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-57
LTE Band 30 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 27710 (2310.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	18.10	0	0
	1	25	**18.16**		0
	1	49	18.01		0
	25	0	**18.04**	0-1	0
	25	12	17.94		0
	25	25	17.91		0
	50	0	17.94		0
16QAM	1	0	18.23	0-1	0
	1	25	18.13		0
	1	49	18.05		0
	25	0	18.04	0-2	0
	25	12	17.97		0
	25	25	17.95		0
	50	0	17.95		0
64QAM	1	0	18.38	0-2	0
	1	25	18.35		0
	1	49	18.08		0
	25	0	18.07	0-3	0
	25	12	18.01		0
	25	25	17.94		0
	50	0	17.96		0
256QAM	1	0	18.27	0-5	0
	1	25	18.20		0
	1	49	17.96		0
	25	0	18.00		0
	25	12	17.98		0
	25	25	17.94		0
	50	0	17.95		0

Table 10-58
LTE Band 30 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 27710 (2310.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**21.10**	0	0
	1	25	21.05		0
	1	49	20.91		0
	25	0	**21.12**	0-1	0
	25	12	21.08		0
	25	25	21.02		0
	50	0	21.07		0
16QAM	1	0	21.40	0-1	0
	1	25	21.49		0
	1	49	21.27		0
	25	0	21.21	0-2	0
	25	12	21.09		0
	25	25	21.06		0
	50	0	21.10		0
64QAM	1	0	21.33	0-2	0
	1	25	21.31		0
	1	49	21.31		0
	25	0	20.42	0-3	0.5
	25	12	20.33		0.5
	25	25	20.27		0.5
	50	0	20.28		0.5
256QAM	1	0	18.38	0-5	2.5
	1	25	18.49		2.5
	1	49	18.34		2.5
	25	0	18.34		2.5
	25	12	18.30		2.5
	25	25	18.28		2.5
	50	0	18.31		2.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-59
LTE Band 30 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

LTE Band 30 10 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 27710 (2310.0 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	9.10	0	0
	1	25	**9.25**		0
	1	49	9.03		0
	25	0	**9.23**	0-1	0
	25	12	9.09		0
	25	25	9.02		0
	50	0	9.15		0
16QAM	1	0	9.01	0-1	0
	1	25	9.11		0
	1	49	8.93		0
	25	0	8.88	0-2	0
	25	12	8.89		0
	25	25	8.91		0
	50	0	8.91		0
64QAM	1	0	9.10	0-2	0
	1	25	8.93		0
	1	49	8.93		0
	25	0	8.97	0-3	0
	25	12	8.98		0
	25	25	8.93		0
	50	0	8.87		0
256QAM	1	0	8.90	0-5	0
	1	25	9.01		0
	1	49	8.82		0
	25	0	8.88		0
	25	12	8.90		0
	25	25	8.86		0
	50	0	8.80		0

10.3.10 LTE Band 7

Table 10-60
LTE Band 7 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	23.83	**24.22**	23.94	0	0
	1	50	23.89	24.04	23.86		0
	1	99	23.91	24.16	23.71		0
	50	0	22.95	23.10	22.94	0-1	1
	50	25	23.03	**23.12**	22.91		1
	50	50	22.99	23.07	22.80		1
	100	0	23.02	23.10	22.91		1
16QAM	1	0	23.12	23.30	23.14	0-1	1
	1	50	23.20	23.40	23.10		1
	1	99	23.21	23.28	22.94		1
	50	0	22.00	22.13	21.94	0-2	2
	50	25	22.04	22.12	21.97		2
	50	50	22.02	22.10	21.83		2
	100	0	22.02	22.10	21.91		2
64QAM	1	0	22.10	22.20	22.08	0-2	2
	1	50	22.20	22.32	22.06		2
	1	99	22.13	22.29	21.97		2
	50	0	20.94	21.13	20.91	0-3	3
	50	25	21.06	21.13	20.94		3
	50	50	21.02	21.10	20.78		3
	100	0	21.01	21.11	20.94		3
256QAM	1	0	19.08	19.19	19.08	0-5	5
	1	50	19.25	19.35	19.00		5
	1	99	19.13	19.09	18.88		5
	50	0	18.94	19.09	18.92		5
	50	25	19.05	19.12	18.92		5
	50	50	19.01	19.06	18.78		5
	100	0	19.00	19.08	18.89		5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-61
LTE Band 7 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.79	18.93	18.87	0	0
	1	50	**18.95**	18.71	18.83		0
	1	99	18.93	18.61	18.74		0
	50	0	18.80	18.95	18.75	0-1	0
	50	25	**18.97**	18.95	18.80		0
	50	50	18.83	18.88	18.62		0
	100	0	18.85	18.91	18.73		0
16QAM	1	0	18.85	19.15	19.05	0-1	0
	1	50	18.88	19.10	19.02		0
	1	99	18.86	19.09	19.03		0
	50	0	18.81	18.94	18.80	0-2	0
	50	25	18.88	18.98	18.81		0
	50	50	18.86	18.92	18.66		0
	100	0	18.85	18.92	18.73		0
64QAM	1	0	18.93	19.10	18.93	0-2	0
	1	50	18.98	19.21	18.88		0
	1	99	18.98	19.15	18.83		0
	50	0	18.77	18.96	18.74	0-3	0
	50	25	18.83	18.97	18.79		0
	50	50	18.81	18.90	18.62		0
	100	0	18.82	18.93	18.74		0
256QAM	1	0	18.80	19.05	18.88	0-5	0
	1	50	18.97	19.12	18.82		0
	1	99	18.85	18.92	18.75		0
	50	0	18.76	18.95	18.75		0
	50	25	18.84	19.00	18.74		0
	50	50	18.83	18.93	18.67		0
	100	0	18.84	18.94	18.75		0

Table 10-62
LTE Band 7 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.69	10.90	10.70	0	0
	1	50	10.71	**11.00**	10.66		0
	1	99	10.71	10.87	10.61		0
	50	0	10.75	10.96	10.81	0-1	0
	50	25	10.84	**11.01**	10.78		0
	50	50	10.80	10.96	10.70		0
	100	0	10.81	10.93	10.81		0
16QAM	1	0	10.97	11.14	10.94	0-1	0
	1	50	11.04	11.29	10.87		0
	1	99	11.03	11.10	10.92		0
	50	0	10.86	11.05	10.84	0-2	0
	50	25	10.91	11.02	10.82		0
	50	50	10.92	10.99	10.71		0
	100	0	10.90	10.97	10.76		0
64QAM	1	0	10.96	11.15	10.86	0-2	0
	1	50	11.08	11.19	10.93		0
	1	99	11.01	11.06	10.80		0
	50	0	10.86	11.01	10.79	0-3	0
	50	25	10.91	11.00	10.75		0
	50	50	10.87	10.96	10.71		0
	100	0	10.88	10.96	10.77		0
256QAM	1	0	10.92	11.10	10.91	0-5	0
	1	50	10.97	11.18	10.94		0
	1	99	10.95	10.94	10.78		0
	50	0	10.79	11.00	10.79		0
	50	25	10.89	11.03	10.81		0
	50	50	10.92	10.97	10.72		0
	100	0	10.90	10.99	10.77		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-63
LTE Band 7 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.20	17.24	17.14	0	0
	1	50	17.16	**17.33**	16.94		0
	1	99	17.16	17.12	16.80		0
	50	0	17.14	17.34	17.30	0-1	0
	50	25	17.19	**17.37**	17.04		0
	50	50	17.22	17.32	16.87		0
	100	0	17.21	17.32	17.02		0
16QAM	1	0	17.28	17.60	17.32	0-1	0
	1	50	17.36	17.76	17.20		0
	1	99	17.39	17.50	17.06		0
	50	0	17.12	17.37	17.12	0-2	0
	50	25	17.21	17.39	17.04		0
	50	50	17.27	17.33	16.93		0
	100	0	17.23	17.36	17.04		0
64QAM	1	0	17.30	17.45	17.27	0-2	0
	1	50	17.28	17.67	17.20		0
	1	99	17.40	17.38	17.03		0
	50	0	17.12	17.38	17.09	0-3	0
	50	25	17.22	17.38	17.04		0
	50	50	17.26	17.34	16.94		0
	100	0	17.22	17.33	17.03		0
256QAM	1	0	17.19	17.39	17.28	0-5	0
	1	50	17.38	17.62	17.23		0
	1	99	17.33	17.30	16.99		0
	50	0	17.11	17.38	17.09		0
	50	25	17.22	17.42	17.04		0
	50	50	17.25	17.36	16.98		0
	100	0	17.22	17.36	17.05		0

Table 10-64
LTE Band 7 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	16.53	16.79	16.47	0	0
	1	50	16.63	**16.91**	16.36		0
	1	99	16.63	16.72	16.28		0
	50	0	16.60	16.88	16.58	0-1	0
	50	25	16.71	**16.89**	16.55		0
	50	50	16.74	16.83	16.39		0
	100	0	16.71	16.81	16.52		0
16QAM	1	0	16.79	16.96	16.90	0-1	0
	1	50	16.83	17.14	16.80		0
	1	99	16.84	16.92	16.65		0
	50	0	16.65	16.87	16.58	0-2	0
	50	25	16.73	16.87	16.54		0
	50	50	16.73	16.85	16.44		0
	100	0	16.70	16.86	16.52		0
64QAM	1	0	16.74	17.00	16.82	0-2	0
	1	50	16.77	17.00	16.72		0
	1	99	16.85	16.94	16.53		0
	50	0	16.66	16.91	16.60	0-3	0
	50	25	16.74	16.92	16.53		0
	50	50	16.75	16.85	16.43		0
	100	0	16.69	16.84	16.53		0
256QAM	1	0	16.64	16.93	16.78	0-5	0
	1	50	16.83	17.05	16.71		0
	1	99	16.87	16.86	16.46		0
	50	0	16.56	16.86	16.52		0
	50	25	16.68	16.91	16.54		0
	50	50	16.71	16.87	16.43		0
	100	0	16.67	16.85	16.54		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-65
LTE Band 7 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.83	18.37	18.05	0	0
	1	50	17.93	**18.44**	17.65		0
	1	99	17.93	17.95	17.69		0
	50	0	17.87	18.23	17.91	0-1	0
	50	25	17.94	**18.24**	17.85		0
	50	50	18.03	18.18	17.78		0
	100	0	17.98	18.20	17.85		0
16QAM	1	0	17.79	18.30	17.93	0-1	0
	1	50	18.09	18.48	18.24		0
	1	99	18.13	18.04	17.81		0
	50	0	17.88	18.14	17.93	0-2	0
	50	25	18.08	18.20	17.85		0
	50	50	18.00	18.22	17.76		0
	100	0	17.94	18.17	17.82		0
64QAM	1	0	17.88	18.27	17.88	0-2	0
	1	50	18.06	18.44	17.85		0
	1	99	18.17	18.12	17.80		0
	50	0	17.91	18.31	17.92	0-3	0
	50	25	18.07	18.14	17.89		0
	50	50	18.00	18.19	17.76		0
	100	0	18.02	18.11	17.89		0
256QAM	1	0	17.83	18.12	17.99	0-5	0
	1	50	17.89	18.14	17.97		0
	1	99	18.07	18.13	17.64		0
	50	0	17.70	18.12	17.75		0
	50	25	17.95	18.19	17.87		0
	50	50	17.92	18.12	17.81		0
	100	0	17.99	18.20	17.76		0

Table 10-66
LTE Band 7 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

LTE Band 7 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20850 (2510.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21350 (2560.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	8.67	9.12	8.99	0	0
	1	50	8.77	**9.24**	8.89		0
	1	99	8.81	9.09	8.78		0
	50	0	8.90	9.18	8.95	0-1	0
	50	25	8.97	**9.22**	8.94		0
	50	50	9.03	9.20	8.82		0
	100	0	9.00	9.21	8.91		0
16QAM	1	0	9.05	9.25	9.27	0-1	0
	1	50	9.18	9.45	9.18		0
	1	99	9.19	9.22	9.09		0
	50	0	8.87	9.20	8.96	0-2	0
	50	25	8.99	9.24	8.98		0
	50	50	9.02	9.18	8.85		0
	100	0	8.99	9.20	8.95		0
64QAM	1	0	8.93	9.36	9.14	0-2	0
	1	50	9.15	9.44	9.07		0
	1	99	9.14	9.18	8.89		0
	50	0	8.90	9.19	9.00	0-3	0
	50	25	9.01	9.22	8.95		0
	50	50	9.04	9.20	8.87		0
	100	0	9.03	9.17	8.95		0
256QAM	1	0	8.98	9.24	9.13	0-5	0
	1	50	9.11	9.44	8.91		0
	1	99	8.97	9.12	8.75		0
	50	0	8.87	9.18	8.95		0
	50	25	8.99	9.21	8.97		0
	50	50	9.02	9.18	8.85		0
	100	0	9.02	9.19	8.92		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.3.11 LTE Band 41

Table 10-67
LTE Band 41 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	23.88	24.17	23.95	24.17	**24.78**	0	0
	1	50	24.03	23.98	23.86	24.18	24.60		0
	1	99	24.05	23.89	23.69	24.07	24.68		0
	50	0	22.96	22.97	23.00	23.16	23.49	0-1	1
	50	25	23.08	22.96	23.05	23.24	**23.60**		1
	50	50	23.08	22.83	23.00	23.17	23.59		1
	100	0	23.03	22.94	23.01	23.18	23.46		1
16QAM	1	0	23.00	23.06	23.06	23.06	23.89	0-1	1
	1	50	23.00	23.08	22.96	23.21	23.82		1
	1	99	23.12	22.95	22.91	23.04	23.09		1
	50	0	21.97	21.99	22.00	22.18	22.51	0-2	2
	50	25	22.11	21.99	22.04	22.23	22.48		2
	50	50	22.08	21.86	21.99	22.16	22.52		2
	100	0	22.03	21.92	22.02	22.18	22.45		2
64QAM	1	0	21.90	21.98	21.99	22.17	22.72	0-2	2
	1	50	21.98	22.00	22.03	22.10	22.96		2
	1	99	22.02	21.80	21.91	22.01	22.92		2
	50	0	20.97	20.99	20.98	21.16	21.51	0-3	3
	50	25	21.08	20.95	21.06	21.24	21.48		3
	50	50	21.08	20.84	20.98	21.17	21.52		3
	100	0	21.08	20.91	21.03	21.20	21.42		3
256QAM	1	0	18.76	18.84	18.90	19.09	19.61	0-5	5
	1	50	19.03	18.92	18.93	19.13	19.59		5
	1	99	18.99	18.63	18.87	19.03	19.41		5
	50	0	18.91	18.94	18.95	19.13	19.46		5
	50	25	19.06	18.95	19.00	19.19	19.49		5
	50	50	19.03	18.81	18.97	19.14	19.48		5
	100	0	18.99	18.93	19.04	19.16	19.49		5

Table 10-68
LTE Band 41 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	19.49	19.73	19.63	19.62	20.07	0	0
	1	50	19.55	19.62	19.73	19.71	20.21		0
	1	99	19.66	19.49	19.55	19.50	**20.28**		0
	50	0	19.58	19.59	19.60	19.74	20.10	0-1	0
	50	25	19.69	19.57	19.66	19.81	20.10		0
	50	50	19.67	19.42	19.58	19.77	**20.12**		0
	100	0	19.63	19.52	19.63	19.77	20.06		0
16QAM	1	0	19.60	19.64	19.75	19.75	20.10	0-1	0
	1	50	19.65	19.63	19.72	19.80	20.06		0
	1	99	19.76	19.37	19.58	19.72	20.26		0
	50	0	19.57	19.58	19.60	19.76	20.09	0-2	0
	50	25	19.69	19.58	19.64	19.81	20.09		0
	50	50	19.68	19.43	19.60	19.75	20.10		0
	100	0	19.66	19.59	19.62	19.79	20.06		0
64QAM	1	0	19.67	19.64	19.81	19.89	20.48	0-2	0
	1	50	19.66	19.60	19.72	19.82	20.19		0
	1	99	19.71	19.36	19.62	19.67	20.31		0
	50	0	19.58	19.59	19.60	19.77	20.14	0-3	0
	50	25	19.71	19.57	19.67	19.86	20.09		0
	50	50	19.69	19.45	19.60	19.78	20.13		0
	100	0	19.67	19.56	19.63	19.79	20.07		0
256QAM	1	0	18.74	18.90	18.94	19.04	19.36	0-5	0.5
	1	50	18.89	18.88	18.98	19.14	19.48		0.5
	1	99	18.86	18.69	18.88	18.92	19.34		0.5
	50	0	18.88	18.88	18.93	19.08	19.44		0.5
	50	25	19.03	18.89	19.00	19.15	19.42		0.5
	50	50	18.98	18.73	18.91	19.08	19.47		0.5
	100	0	18.97	18.83	18.96	19.15	19.40		0.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-69
LTE Band 41 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	13.02	13.05	13.04	13.20	13.55	0	0
	1	50	13.12	12.97	13.06	13.23	**13.56**		0
	1	99	13.16	12.85	12.95	13.14	13.44		0
	50	0	13.12	13.10	13.10	13.24	13.55	0-1	0
	50	25	13.19	13.07	13.16	13.29	13.57		0
	50	50	13.23	12.96	13.09	13.26	**13.58**		0
	100	0	13.16	13.03	13.12	13.27	13.54		0
16QAM	1	0	13.10	12.92	13.15	13.27	13.56	0-1	0
	1	50	13.21	13.01	13.28	13.25	13.49		0
	1	99	13.14	12.83	13.10	13.11	13.41		0
	50	0	13.07	13.09	13.08	13.24	13.57	0-2	0
	50	25	13.17	13.06	13.15	13.30	13.57		0
	50	50	13.19	12.94	13.09	13.24	13.60		0
	100	0	13.16	13.02	13.10	13.28	13.54		0
64QAM	1	0	12.99	12.96	13.14	13.10	13.56	0-2	0
	1	50	13.08	12.90	13.03	13.14	13.57		0
	1	99	13.06	12.71	12.94	13.02	13.40		0
	50	0	13.04	13.06	13.03	13.21	13.58	0-3	0
	50	25	13.16	13.03	13.13	13.29	13.56		0
	50	50	13.21	12.93	13.08	13.19	13.58		0
	100	0	13.10	12.97	13.11	13.24	13.57		0
256QAM	1	0	12.88	12.97	13.04	13.14	13.59	0-5	0
	1	50	13.14	12.98	13.12	13.15	13.57		0
	1	99	13.08	12.81	12.97	13.09	13.48		0
	50	0	13.05	13.05	13.08	13.25	13.59		0
	50	25	13.19	13.05	13.14	13.29	13.59		0
	50	50	13.15	12.90	13.07	13.26	13.58		0
	100	0	13.13	13.01	13.09	13.29	13.59		0

Table 10-70
LTE Band 41 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	**18.45**	18.33	18.24	18.20	18.12	0	0
	1	50	18.42	18.30	18.23	18.20	18.17		0
	1	99	18.36	18.26	18.02	18.05	18.03		0
	50	0	18.38	18.40	18.29	18.30	18.33	0-1	0
	50	25	**18.51**	18.37	18.20	18.29	18.31		0
	50	50	18.50	18.30	18.15	18.16	18.19		0
	100	0	18.43	18.39	18.17	18.26	18.28		0
16QAM	1	0	18.52	18.37	18.28	18.23	18.35	0-1	0
	1	50	18.53	18.35	18.20	18.15	18.33		0
	1	99	18.54	18.22	17.99	18.03	18.36		0
	50	0	18.41	18.41	18.29	18.32	18.31	0-2	0
	50	25	18.43	18.41	18.18	18.28	18.32		0
	50	50	18.42	18.29	18.15	18.15	18.19		0
	100	0	18.45	18.36	18.18	18.26	18.29		0
64QAM	1	0	18.36	18.29	18.25	18.15	18.34	0-2	0
	1	50	18.40	18.22	18.20	18.15	18.27		0
	1	99	18.30	18.16	18.02	18.00	18.03		0
	50	0	18.41	18.44	18.29	18.26	18.31	0-3	0
	50	25	18.51	18.41	18.20	18.28	18.30		0
	50	50	18.48	18.34	18.12	18.15	18.14		0
	100	0	18.42	18.36	18.17	18.25	18.25		0
256QAM	1	0	18.32	18.23	18.20	18.22	18.30	0-5	0
	1	50	18.47	18.36	18.22	18.21	18.22		0
	1	99	18.35	18.07	17.99	18.03	18.12		0
	50	0	18.34	18.35	18.30	18.29	18.31		0
	50	25	18.49	18.38	18.21	18.31	18.28		0
	50	50	18.45	18.28	18.16	18.16	18.17		0
	100	0	18.42	18.35	18.19	18.25	18.25		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-71
LTE Band 41 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	18.66	18.84	18.81	18.78	18.78	0	0
	1	50	18.81	18.75	18.67	18.67	18.69		0
	1	99	**18.86**	18.76	18.59	18.58	18.61		0
	50	0	18.69	18.83	18.83	18.76	18.76	0-1	0
	50	25	18.81	18.85	18.69	18.75	18.76		0
	50	50	**18.87**	18.73	18.62	18.62	18.62		0
	100	0	18.84	18.55	18.63	18.70	18.71		0
16QAM	1	0	18.66	18.80	18.76	18.73	18.75	0-1	0
	1	50	18.82	18.79	18.73	18.61	18.72		0
	1	99	18.78	18.74	18.42	18.59	18.54		0
	50	0	18.66	18.86	18.76	18.72	18.79	0-2	0
	50	25	18.78	18.87	18.66	18.75	18.75		0
	50	50	18.84	18.74	18.55	18.55	18.61		0
	100	0	18.80	18.82	18.59	18.71	18.74		0
64QAM	1	0	18.72	18.88	18.82	18.67	18.87	0-2	0
	1	50	18.90	18.92	18.83	18.84	18.84		0
	1	99	18.94	18.81	18.49	18.69	18.72		0
	50	0	18.66	18.81	18.77	18.73	18.80	0-3	0
	50	25	18.81	18.82	18.65	18.72	18.73		0
	50	50	18.81	18.73	18.56	18.58	18.62		0
	100	0	18.77	18.81	18.61	18.69	18.73		0
256QAM	1	0	18.38	18.70	18.79	18.74	18.70	0-5	0
	1	50	18.72	18.92	18.65	18.64	18.75		0
	1	99	18.73	18.62	18.47	18.55	18.50		0
	50	0	18.59	18.85	18.80	18.74	18.82		0
	50	25	18.77	18.87	18.67	18.71	18.78		0
	50	50	18.80	18.73	18.59	18.61	18.61		0
	100	0	18.73	18.84	18.66	18.70	18.77		0

Table 10-72
LTE Band 41 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	21.39	21.37	21.31	21.23	21.27	0	0
	1	50	**21.45**	21.34	21.27	21.23	21.24		0
	1	99	21.41	21.25	21.10	21.10	21.13		0
	50	0	21.37	21.40	21.36	21.34	21.37	0-1	0
	50	25	**21.50**	21.40	21.24	21.34	21.36		0
	50	50	21.44	21.31	21.20	21.20	21.21		0
	100	0	21.42	21.39	21.23	21.30	21.35		0
16QAM	1	0	21.46	21.45	21.26	21.41	21.32	0-1	0
	1	50	21.60	21.43	21.29	21.43	21.42		0
	1	99	21.50	21.29	21.19	21.26	21.19		0
	50	0	21.38	21.46	21.36	21.36	21.37	0-2	0
	50	25	21.45	21.45	21.29	21.35	21.35		0
	50	50	21.48	21.33	21.21	21.23	21.22		0
	100	0	21.42	21.40	21.27	21.33	21.32		0
64QAM	1	0	21.43	21.38	21.30	21.27	21.26	0-2	0
	1	50	21.50	21.36	21.36	21.30	21.24		0
	1	99	21.50	21.29	21.05	21.15	21.12		0
	50	0	21.37	21.46	21.33	21.37	21.33	0-3	0
	50	25	21.49	21.43	21.24	21.33	21.38		0
	50	50	21.49	21.31	21.20	21.20	21.23		0
	100	0	21.46	21.41	21.24	21.33	21.33		0
256QAM	1	0	19.29	19.21	19.30	19.32	19.21	0-5	2
	1	50	19.50	19.38	19.29	19.30	19.24		2
	1	99	19.34	19.14	19.08	19.13	19.09		2
	50	0	19.31	19.38	19.34	19.33	19.36		2
	50	25	19.44	19.41	19.25	19.33	19.35		2
	50	50	19.39	19.30	19.19	19.18	19.19		2
	100	0	19.43	19.39	19.21	19.32	19.28		2

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-73
LTE Band 41 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel 39750 (2506.0 MHz)	Low-Mid Channel 40185 (2549.5 MHz)	Mid Channel 40620 (2593.0 MHz)	Mid-High Channel 41055 (2636.5 MHz)	High Channel 41490 (2680.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]						
QPSK	1	0	11.16	**11.32**	11.08	10.98	11.08	0	0
	1	50	11.25	11.22	11.05	11.01	11.06		0
	1	99	11.23	11.14	10.94	10.88	10.93		0
	50	0	11.25	**11.36**	11.18	11.13	11.17	0-1	0
	50	25	11.34	11.35	11.03	11.15	11.18		0
	50	50	11.35	11.23	11.01	11.01	11.04		0
	100	0	11.29	11.30	11.05	11.13	11.14		0
16QAM	1	0	11.44	11.32	10.94	11.23	11.11	0-1	0
	1	50	11.48	11.26	11.00	11.28	11.11		0
	1	99	11.44	11.17	10.87	11.08	10.94		0
	50	0	11.31	11.36	11.18	11.15	11.17	0-2	0
	50	25	11.39	11.29	11.03	11.14	11.17		0
	50	50	11.36	11.21	11.02	11.00	11.03		0
	100	0	11.34	11.26	11.03	11.14	11.14		0
64QAM	1	0	11.24	11.16	11.07	11.08	11.16	0-2	0
	1	50	11.23	11.14	11.09	11.12	11.01		0
	1	99	11.29	11.11	10.81	10.92	10.94		0
	50	0	11.28	11.39	11.21	11.21	11.19	0-3	0
	50	25	11.37	11.31	11.10	11.18	11.21		0
	50	50	11.37	11.21	11.05	11.05	11.04		0
	100	0	11.35	11.28	11.09	11.15	11.16		0
256QAM	1	0	11.20	11.17	11.11	11.12	11.14	0-5	0
	1	50	11.34	11.18	11.15	11.12	11.11		0
	1	99	11.32	11.02	10.88	10.97	10.91		0
	50	0	11.26	11.27	11.19	11.19	11.17		0
	50	25	11.38	11.30	11.11	11.18	11.19		0
	50	50	11.34	11.21	11.04	11.02	11.06		0
	100	0	11.33	11.30	11.09	11.18	11.17		0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.3.12 LTE Band 48

Table 10-74
LTE Band 48 Ant F Measured P_{Limit} for DSI = 3 (F/C Head)

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55340 (3560.0 MHz)	Low-Mid Channel 55773 (3603.3 MHz)	Mid-High Channel 56207 (3646.7 MHz)	High Channel 56640 (3690.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	22.21	22.23	22.31	22.12	0	0
	1	50	22.34	22.42	22.32	**22.49**		0
	1	99	22.29	22.39	22.29	22.28		0
	50	0	21.72	21.66	21.71	21.77	0-1	0
	50	25	21.66	21.68	21.77	**21.79**		0
	50	50	21.70	21.67	21.70	21.59		0
	100	0	21.66	21.62	21.64	21.71		0
16QAM	1	0	21.61	21.52	21.41	21.68	0-1	0
	1	50	21.73	21.77	21.43	21.59		0
	1	99	21.73	21.52	21.43	21.59		0
	50	0	20.72	20.69	20.61	20.62	0-2	1
	50	25	20.72	20.70	20.66	20.67		1
	50	50	20.70	20.67	20.45	20.59		1
	100	0	20.62	20.63	20.45	20.60		1
64QAM	1	0	20.70	20.54	20.51	20.51	0-2	1
	1	50	20.63	20.57	20.54	20.58		1
	1	99	20.54	20.85	20.42	20.70		1
	50	0	19.72	19.67	19.43	19.62	0-3	2
	50	25	19.70	19.67	19.49	19.68		2
	50	50	19.71	19.65	19.51	19.61		2
	100	0	19.68	19.65	19.48	19.62		2
256QAM	1	0	17.51	17.54	17.51	17.52	0-5	4
	1	50	17.57	17.55	17.47	17.55		4
	1	99	17.56	17.65	17.43	17.52		4
	50	0	17.70	17.67	17.44	17.65		4
	50	25	17.69	17.70	17.50	17.66		4
	50	50	17.71	17.68	17.46	17.59		4
	100	0	17.71	17.66	17.53	17.62		4

Table 10-75
LTE Band 48 Ant F Uplink Carrier Aggregation Measured P_{Limit} for DSI = 3 (F/C Head)

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	56640	3690.0	QPSK	50	0	LTE B48	20	56442	3670.2	QPSK	50	50	22.00	21.77

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-76
LTE Band 48 Ant F Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55340 (3560.0 MHz)	Low-Mid Channel 55773 (3603.3 MHz)	Mid-High Channel 56207 (3646.7 MHz)	High Channel 56640 (3690.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	20.57	20.51	20.40	20.66	0	0
	1	50	20.67	20.61	20.78	**20.80**		0
	1	99	20.64	20.58	20.75	20.71		0
	50	0	20.62	20.57	20.56	20.69	0-1	0
	50	25	20.58	20.62	20.64	**20.75**		0
	50	50	20.59	20.61	20.58	20.65		0
	100	0	20.55	20.54	20.62	20.73		0
16QAM	1	0	20.68	20.47	20.52	20.86	0-1	0
	1	50	20.63	20.58	20.53	20.78		0
	1	99	20.73	20.61	20.58	20.90		0
	50	0	20.59	20.55	20.59	20.71	0-2	0
	50	25	20.59	20.57	20.63	20.76		0
	50	50	20.63	20.59	20.56	20.69		0
	100	0	20.55	20.51	20.63	20.70		0
64QAM	1	0	20.49	20.31	20.50	20.58	0-2	0
	1	50	20.59	20.56	20.50	20.64		0
	1	99	20.71	20.62	20.54	20.53		0
	50	0	19.86	19.87	19.91	19.98	0-3	0
	50	25	19.87	19.84	19.94	20.01		0
	50	50	19.86	19.86	19.87	19.93		0
	100	0	19.83	19.83	19.91	20.04		0
256QAM	1	0	17.94	17.66	17.86	17.91	0-5	2
	1	50	17.92	17.73	17.86	18.05		2
	1	99	17.87	17.75	17.90	17.92		2
	50	0	17.86	17.84	17.89	17.97		2
	50	25	17.85	17.85	17.97	18.01		2
	50	50	17.87	17.84	17.90	17.92		2
	100	0	17.85	17.83	17.91	18.00		2

Table 10-77
LTE Band 48 Ant F Uplink Carrier Aggregation Measured P_{Limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	56640	3690.0	QPSK	1	0	LTE B48	20	56442	3670.2	QPSK	1	99	20.47	20.66

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-78
LTE Band 48 Ant F Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55340 (3560.0 MHz)	Low-Mid Channel 55773 (3603.3 MHz)	Mid-High Channel 56207 (3646.7 MHz)	High Channel 56640 (3690.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	10.73	10.74	10.73	10.75	0	0
	1	50	10.80	10.79	10.78	**10.93**		0
	1	99	10.83	10.76	10.74	10.83		0
	50	0	10.87	10.82	10.78	10.96	0-1	0
	50	25	10.88	10.89	10.93	**11.00**		0
	50	50	10.87	10.82	10.83	10.88		0
	100	0	10.82	10.86	10.86	10.87		0
16QAM	1	0	10.78	10.65	10.82	10.85	0-1	0
	1	50	10.91	10.81	10.91	10.90		0
	1	99	10.81	10.73	10.84	10.80		0
	50	0	10.84	10.80	10.76	10.87	0-2	0
	50	25	10.86	10.92	10.90	10.97		0
	50	50	10.87	10.84	10.82	10.89		0
	100	0	10.85	10.85	10.83	10.94		0
64QAM	1	0	10.64	10.73	10.76	10.74	0-2	0
	1	50	10.85	10.66	10.78	10.79		0
	1	99	10.85	10.64	10.71	10.87		0
	50	0	10.89	10.79	10.79	10.89	0-3	0
	50	25	10.86	10.92	10.83	10.95		0
	50	50	10.86	10.83	10.81	10.89		0
	100	0	10.80	10.88	10.84	10.92		0
256QAM	1	0	10.66	10.78	10.81	10.87	0-5	0
	1	50	10.81	10.82	10.80	10.82		0
	1	99	10.76	10.80	10.73	10.60		0
	50	0	10.85	10.84	10.83	10.92		0
	50	25	10.85	10.89	10.88	10.95		0
	50	50	10.83	10.85	10.87	10.90		0
	100	0	10.83	10.88	10.87	10.95		0

Table 10-79
LTE Band 48 Ant F Uplink Carrier Aggregation Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	56640	3690.0	QPSK	50	0	LTE B48	20	56442	3670.2	QPSK	50	50	11.10	10.96

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-80
LTE Band 48 Ant C Measured P_{Max} for DSI = 3 (F/C Head)

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55340 (3560.0 MHz)	Low-Mid Channel 55773 (3603.3 MHz)	Mid-High Channel 56207 (3646.7 MHz)	High Channel 56640 (3690.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	22.95	23.20	22.84	23.19	0	0
	1	50	23.00	23.34	23.02	23.22		0
	1	99	23.16	**23.39**	23.12	23.14		0
	50	0	22.37	22.35	22.33	22.30	0-1	1
	50	25	22.39	**22.44**	22.34	22.31		1
	50	50	22.40	22.37	22.29	22.22		1
	100	0	22.35	22.39	22.31	22.29		1
16QAM	1	0	21.88	21.58	22.32	22.24	0-1	1
	1	50	21.96	21.57	22.48	22.30		1
	1	99	21.93	21.71	22.35	22.31		1
	50	0	21.41	21.36	21.33	21.27	0-2	2
	50	25	21.38	21.41	21.39	21.32		2
	50	50	21.39	21.35	21.30	21.21		2
	100	0	21.35	21.40	21.33	21.29		2
64QAM	1	0	20.99	20.59	21.15	21.24	0-2	2
	1	50	21.04	20.82	21.30	21.09		2
	1	99	20.84	20.81	21.34	21.18		2
	50	0	20.39	20.32	20.31	20.29	0-3	3
	50	25	20.37	20.39	20.37	20.29		3
	50	50	20.39	20.32	20.27	20.20		3
	100	0	20.40	20.41	20.28	20.25		3
256QAM	1	0	18.11	17.67	18.25	17.99	0-5	5
	1	50	17.92	17.75	18.22	18.20		5
	1	99	17.91	17.79	18.17	18.04		5
	50	0	18.34	18.31	18.26	18.26		5
	50	25	18.35	18.40	18.32	18.28		5
	50	50	18.34	18.29	18.22	18.18		5
	100	0	18.34	18.36	18.34	18.23		5

Table 10-81
LTE Band 48 Ant C Uplink Carrier Aggregation Measured P_{Max} for DSI = 3 (F/C Head)

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	55773	3603.3	QPSK	1	99	LTE B48	20	55971	3623.1	QPSK	1	0	23.25	23.39

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-82
LTE Band 48 Ant C Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55340 (3560.0 MHz)	Low-Mid Channel 55773 (3603.3 MHz)	Mid-High Channel 56207 (3646.7 MHz)	High Channel 56640 (3690.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	20.67	20.69	20.71	20.56	0	0
	1	50	20.74	**20.82**	20.79	20.62		0
	1	99	20.74	20.79	20.79	20.55		0
	50	0	20.74	20.76	20.77	20.72	0-1	0
	50	25	20.73	**20.85**	20.83	20.76		0
	50	50	20.77	20.77	20.73	20.68		0
	100	0	20.73	20.81	20.78	20.72		0
16QAM	1	0	20.69	20.74	20.87	20.84	0-1	0
	1	50	20.75	20.79	20.88	20.83		0
	1	99	20.82	20.88	20.88	20.81		0
	50	0	20.76	20.78	20.77	20.73	0-2	0
	50	25	20.78	20.89	20.81	20.74		0
	50	50	20.75	20.79	20.71	20.67		0
	100	0	20.74	20.80	20.79	20.72		0
64QAM	1	0	20.71	20.90	20.72	20.59	0-2	0
	1	50	20.91	20.90	20.88	20.69		0
	1	99	20.82	20.86	20.82	20.57		0
	50	0	20.06	20.07	20.09	20.05	0-3	0
	50	25	20.09	20.17	20.14	20.08		0
	50	50	20.09	20.11	20.05	19.96		0
	100	0	20.05	20.13	20.12	20.06		0
256QAM	1	0	18.01	17.98	17.90	17.94	0-5	2
	1	50	18.22	18.15	17.99	17.98		2
	1	99	18.05	17.99	17.90	17.85		2
	50	0	18.08	18.07	18.09	18.02		2
	50	25	18.07	18.14	18.10	18.08		2
	50	50	18.08	18.08	18.02	17.97		2
	100	0	18.04	18.12	18.13	18.05		2

Table 10-83
LTE Band 48 Ant C Uplink Carrier Aggregation Measured P_{Limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	55773	3603.3	QPSK	50	50	LTE B48	20	55971	3623.1	QPSK	50	0	20.97	20.77

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-84
LTE Band 48 Ant C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55340 (3560.0 MHz)	Low-Mid Channel 55773 (3603.3 MHz)	Mid-High Channel 56207 (3646.7 MHz)	High Channel 56640 (3690.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	12.61	12.72	12.71	12.62	0	0
	1	50	12.72	12.85	12.81	12.69		0
	1	99	12.81	**12.97**	12.76	12.62		0
	50	0	12.83	12.91	12.89	12.78	0-1	0
	50	25	12.87	**12.95**	12.91	12.82		0
	50	50	12.82	12.90	12.85	12.76		0
	100	0	12.85	12.90	12.89	12.79		0
16QAM	1	0	12.63	12.81	12.88	12.77	0-1	0
	1	50	12.80	12.86	12.99	12.81		0
	1	99	12.86	12.93	12.93	12.66		0
	50	0	12.83	12.93	12.89	12.80	0-2	0
	50	25	12.90	13.00	12.89	12.84		0
	50	50	12.81	12.88	12.84	12.73		0
	100	0	12.83	12.93	12.92	12.80		0
64QAM	1	0	12.54	12.51	12.49	12.44	0-2	0
	1	50	12.55	12.59	12.59	12.45		0
	1	99	12.55	12.58	12.51	12.38		0
	50	0	12.60	12.66	12.63	12.51	0-3	0
	50	25	12.60	12.73	12.64	12.60		0
	50	50	12.61	12.64	12.58	12.45		0
	100	0	12.58	12.70	12.62	12.52		0
256QAM	1	0	12.43	12.55	12.57	12.45	0-5	0
	1	50	12.58	12.67	12.55	12.30		0
	1	99	12.51	12.55	12.54	12.33		0
	50	0	12.61	12.64	12.61	12.50		0
	50	25	12.62	12.72	12.63	12.58		0
	50	50	12.61	12.66	12.59	12.45		0
	100	0	12.62	12.66	12.62	12.53		0

Table 10-85
LTE Band 48 Ant C Uplink Carrier Aggregation Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

	PCC							SCC							Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC (UL/DL) Channel	PCC (UL/DL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL/DL) Channel	SCC (UL/DL) Frequency [MHz]	Modulation	SCC UL# RB	SCC UL RB Offset	LTE Tx.Power with UL CA Enabled (dBm)	LTE Single Carrier Tx Power (dBm)
CA_48C	LTE B48	20	55773	3603.3	QPSK	50	0	LTE B48	20	55575	3583.5	QPSK	50	50	12.75	12.91

Figure 10-3
Power Measurement Setup

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.4 NR Conducted Powers

Per October 2020 TCB Workshop Guidance, NR FR1 SAR evaluations are being generally based on adapting the existing LTE SAR procedures (FCC KDB Publication 941225 D05v02r05). Therefore, NR SAR for the lower bandwidths was not required for testing based on the measured output power and the reported NR SAR for the highest bandwidth. Lower bandwidth conducted powers for all NR bands can be found in LTE and NR Lower Bandwidth RF Conducted Powers Appendix.

Note: Some bands do not support non-overlapping channels. Per FCC Guidance, when a device supports overlapping channel assignment in a channel bandwidth configuration, the middle channel of the group of overlapping channels should be selected for testing.

10.4.1 NR Band n71

Table 10-86
NR Band n71 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n71 35 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**24.09**	0	0.0
	1	94	23.98		0.0
	1	186	23.74		0.0
	90	0	22.99	0-1	1.0
	90	49	**24.02**	0	0.0
	90	98	22.82	0-1	1.0
	180	0	22.95		1.0
DFT-s-OFDM 16QAM	1	1	23.68	0-1	1.0
CP-OFDM QPSK	1	1	22.95	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-87
NR Band n71 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n71 35 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.52**	0	0.0
	1	94	18.46		0.0
	1	186	18.28		0.0
	90	0	18.40	0-1	0.0
	90	49	**18.54**	0	0.0
	90	98	18.29	0-1	0.0
	180	0	18.51		0.0
DFT-s-OFDM 16QAM	1	1	18.98	0-1	0.0
CP-OFDM QPSK	1	1	18.64	0-1.5	0.0

Table 10-88
NR Band n71 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n71 35 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**24.10**	0	0.0
	1	94	23.95		0.0
	1	186	23.57		0.0
	90	0	23.02	0-1	1.0
	90	49	**23.95**	0	0.0
	90	98	22.67	0-1	1.0
	180	0	22.78		1.0
DFT-s-OFDM 16QAM	1	1	23.55	0-1	1.0
CP-OFDM QPSK	1	1	22.63	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-89
NR Band n71 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n71 35 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	136100 (680.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.00**	0	0.0
	1	94	18.80		0.0
	1	186	18.44		0.0
	90	0	**19.10**	0-1	0.0
	90	49	18.74	0	0.0
	90	98	18.47	0-1	0.0
	180	0	18.93		0.0
DFT-s-OFDM 16QAM	1	1	19.40	0-1	0.0
CP-OFDM QPSK	1	1	19.15	0-1.5	0.0

10.4.2 NR Band n12

Table 10-90
NR Band n12 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n12 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**24.02**	0	0.0
	1	40	23.96		0.0
	1	77	23.96		0.0
	36	0	23.17	0-1	1.0
	36	22	**24.23**	0	0.0
	36	43	23.05	0-1	1.0
	75	0	23.11		1.0
DFT-s-OFDM 16QAM	1	1	23.65	0-1	1.0
CP-OFDM QPSK	1	1	22.66	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-91
NR Band n12 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n12 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.46	0	0.0
	1	40	**18.58**		0.0
	1	77	18.27		0.0
	36	0	18.46	0-1	0.0
	36	22	**18.62**	0	0.0
	36	43	18.35	0-1	0.0
	75	0	18.56		0.0
DFT-s-OFDM 16QAM	1	1	18.93	0-1	0.0
CP-OFDM QPSK	1	1	18.68	0-1.5	0.0

Table 10-92
NR Band n12 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n12 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**23.99**	0	0.0
	1	40	23.87		0.0
	1	77	23.78		0.0
	36	0	23.02	0-1	1.0
	36	22	**24.12**	0	0.0
	36	43	22.91	0-1	1.0
	75	0	23.06		1.0
DFT-s-OFDM 16QAM	1	1	23.65	0-1	1.0
CP-OFDM QPSK	1	1	22.50	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-93
NR Band n12 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n12 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	141500 (707.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.85**	0	0.0
	1	40	18.73		0.0
	1	77	18.61		0.0
	36	0	18.80	0-1	0.0
	36	22	**18.86**	0	0.0
	36	43	18.63	0-1	0.0
	75	0	18.84		0.0
DFT-s-OFDM 16QAM	1	1	19.29	0-1	0.0
CP-OFDM QPSK	1	1	18.81	0-1.5	0.0

10.4.3 NR Band n14

Table 10-94
NR Band n14 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n14 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**24.49**	0	0.0
	1	26	24.25		0.0
	1	50	24.27		0.0
	25	0	23.36	0-1	1.0
	25	14	**24.36**	0	0.0
	25	27	23.35	0-1	1.0
	50	0	23.27		1.0
DFT-s-OFDM 16QAM	1	1	23.93	0-1	1.0
CP-OFDM QPSK	1	1	23.06	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-95
NR Band n14 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n14 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.87**	0	0.0
	1	26	18.80		0.0
	1	50	18.84		0.0
	25	0	18.71	0-1	0.0
	25	14	**18.87**	0	0.0
	25	27	18.85	0-1	0.0
	50	0	18.74		0.0
DFT-s-OFDM 16QAM	1	1	19.22	0-1	0.0
CP-OFDM QPSK	1	1	18.89	0-1.5	0.0

Table 10-96
NR Band n14 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n14 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**24.15**	0	0.0
	1	26	23.97		0.0
	1	50	24.12		0.0
	25	0	23.16	0-1	1.0
	25	14	**24.23**	0	0.0
	25	27	23.19	0-1	1.0
	50	0	23.14		1.0
DFT-s-OFDM 16QAM	1	1	23.83	0-1	1.0
CP-OFDM QPSK	1	1	22.80	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-97
NR Band n14 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n14 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	158600 (793 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.02	0	0.0
	1	26	18.78		0.0
	1	50	**19.07**		0.0
	25	0	18.96	0-1	0.0
	25	14	**19.00**	0	0.0
	25	27	18.93	0-1	0.0
	50	0	18.97		0.0
DFT-s-OFDM 16QAM	1	1	19.47	0-1	0.0
CP-OFDM QPSK	1	1	19.06	0-1.5	0.0

10.4.4 NR Band n26

Table 10-98
NR Band n26 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n26 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.25	0	0.0
	1	53	**24.34**		0.0
	1	104	24.14		0.0
	50	0	23.37	0-1	1.0
	50	28	**24.37**	0	0.0
	50	56	23.17	0-1	1.0
	100	0	23.41		1.0
DFT-s-OFDM 16QAM	1	1	23.86	0-1	1.0
CP-OFDM QPSK	1	1	22.91	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-99
NR Band n26 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n26 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.18	0	0.0
	1	53	**18.30**		0.0
	1	104	17.92		0.0
	50	0	18.19	0-1	0.0
	50	28	**18.24**	0	0.0
	50	56	18.04	0-1	0.0
	100	0	18.20		0.0
DFT-s-OFDM 16QAM	1	1	18.55	0-1	0.0
CP-OFDM QPSK	1	1	18.26	0-1.5	0.0

Table 10-100
NR Band n26 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n26 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**24.11**	0	0.0
	1	53	24.06		0.0
	1	104	24.04		0.0
	50	0	23.23	0-1	1.0
	50	28	**24.16**	0	0.0
	50	56	23.13	0-1	1.0
	100	0	23.19		1.0
DFT-s-OFDM 16QAM	1	1	23.77	0-1	1.0
CP-OFDM QPSK	1	1	22.67	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-101
NR Band n26 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n26 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	166300 (831.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**20.13**	0	0.0
	1	53	20.03		0.0
	1	104	19.94		0.0
	50	0	**20.05**	0-1	0.0
	50	28	20.04	0	0.0
	50	56	19.91	0-1	0.0
	100	0	20.01		0.0
DFT-s-OFDM 16QAM	1	1	20.61	0-1	0.0
CP-OFDM QPSK	1	1	20.01	0-1.5	0.0

10.4.5 NR Band n5

Table 10-102
NR Band n5 Ant A, A+C Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n5 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**24.40**	0	0.0
	1	53	24.36		0.0
	1	104	24.11		0.0
	50	0	23.39	0-1	1.0
	50	28	**24.35**	0	0.0
	50	56	23.18	0-1	1.0
	100	0	23.36		1.0
DFT-s-OFDM 16QAM	1	1	24.00	0-1	1.0
CP-OFDM QPSK	1	1	22.99	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-103
NR Band n5 Ant A, A+C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n5 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.50**	0	0.0
	1	53	18.13		0.0
	1	104	17.98		0.0
	50	0	**18.38**	0-1	0.0
	50	28	18.14	0	0.0
	50	56	18.02	0-1	0.0
	100	0	18.34		0.0
DFT-s-OFDM 16QAM	1	1	18.72	0-1	0.0
CP-OFDM QPSK	1	1	18.39	0-1.5	0.0

Table 10-104
NR Band n5 Ant E Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n5 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**24.09**	0	0.0
	1	53	24.05		0.0
	1	104	24.00		0.0
	50	0	23.18	0-1	1.0
	50	28	**24.26**	0	0.0
	50	56	23.10	0-1	1.0
	100	0	23.28		1.0
DFT-s-OFDM 16QAM	1	1	23.91	0-1	1.0
CP-OFDM QPSK	1	1	22.84	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-105
NR Band n5 Ant E Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n5 20 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	167300 (836.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.99**	0	0.0
	1	53	19.95		0.0
	1	104	19.82		0.0
	50	0	19.97	0-1	0.0
	50	28	**19.98**	0	0.0
	50	56	19.87	0-1	0.0
	100	0	19.97		0.0
DFT-s-OFDM 16QAM	1	1	20.49	0-1	0.0
CP-OFDM QPSK	1	1	20.09	0-1.5	0.0

10.4.6 NR Band n70

Table 10-106
NR Band n70 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**23.27**	0	0.0
	1	40	23.17		0.0
	1	77	22.98		0.0
	36	0	22.14	0-1	1.0
	36	22	**23.28**	0	0.0
	36	43	22.17	0-1	1.0
	75	0	22.17		1.0
DFT-s-OFDM 16QAM	1	1	22.50	0-1	1.0
CP-OFDM QPSK	1	1	21.59	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-107
NR Band n70 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.17	0	0.0
	1	40	**20.40**		0.0
	1	77	20.16		0.0
	36	0	**20.41**	0-1	0.0
	36	22	20.22	0	0.0
	36	43	20.19	0-1	0.0
	75	0	20.39		0.0
DFT-s-OFDM 16QAM	1	1	20.47	0-1	0.0
CP-OFDM QPSK	1	1	20.30	0-1.5	0.0

Table 10-108
NR Band n70 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.89	0	0.0
	1	40	**11.95**		0.0
	1	77	11.78		0.0
	36	0	11.87	0-1	0.0
	36	22	**11.88**	0	0.0
	36	43	11.80	0-1	0.0
	75	0	11.84		0.0
DFT-s-OFDM 16QAM	1	1	12.30	0-1	0.0
CP-OFDM QPSK	1	1	11.83	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-109
NR Band n70 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	18.74	0	0.0
	1	40	18.69		0.0
	1	77	**18.79**		0.0
	36	0	18.72	0-1	0.0
	36	22	18.72	0	0.0
	36	43	**18.77**	0-1	0.0
	75	0	18.74		0.0
DFT-s-OFDM 16QAM	1	1	19.19	0-1	0.0
CP-OFDM QPSK	1	1	18.80	0-1.5	0.0

Table 10-110
NR Band n70 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.72	0	0.0
	1	40	16.74		0.0
	1	77	**16.75**		0.0
	36	0	16.67	0-1	0.0
	36	22	**16.71**	0	0.0
	36	43	16.67	0-1	0.0
	75	0	16.70		0.0
DFT-s-OFDM 16QAM	1	1	16.93	0-1	0.0
CP-OFDM QPSK	1	1	16.80	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-111
NR Band n70 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	20.47	0	0.0
	1	40	20.49		0.0
	1	77	**20.58**		0.0
	36	0	20.43	0-1	0.0
	36	22	20.46	0	0.0
	36	43	**20.52**	0-1	0.0
	75	0	20.39		0.0
DFT-s-OFDM 16QAM	1	1	20.96	0-1	0.0
CP-OFDM QPSK	1	1	20.58	0-1.5	0.0

Table 10-112
NR Band n70 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

NR Band n70 15 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	340500 (1702.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.42	0	0.0
	1	40	10.43		0.0
	1	77	**10.55**		0.0
	36	0	10.36	0-1	0.0
	36	22	**10.45**	0	0.0
	36	43	10.37	0-1	0.0
	75	0	10.38		0.0
DFT-s-OFDM 16QAM	1	1	10.87	0-1	0.0
CP-OFDM QPSK	1	1	10.40	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.4.7 NR Band n66

Table 10-113
NR Band n66 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n66 45 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.46	0	0.0
	1	121	23.89		0.0
	1	240	**24.23**		0.0
	120	0	23.12	0-1	1.0
	120	61	**24.26**	0	0.0
	120	122	23.39	0-1	1.0
	240	0	23.23		1.0
DFT-s-OFDM 16QAM	1	1	23.05	0-1	1.0
CP-OFDM QPSK	1	1	21.93	0-1.5	1.5

Table 10-114
NR Band n66 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n66 45 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.62	0	0.0
	1	121	18.12		0.0
	1	240	**18.16**		0.0
	120	0	17.95	0-1	0.0
	120	61	18.01	0	0.0
	120	122	**18.16**	0-1	0.0
	240	0	18.10		0.0
DFT-s-OFDM 16QAM	1	1	18.08	0-1	0.0
CP-OFDM QPSK	1	1	17.73	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-115
NR Band n66 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n66 45 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	12.21	0	0.0
	1	121	12.46		0.0
	1	240	**12.50**		0.0
	120	0	12.32	0-1	0.0
	120	61	12.42	0	0.0
	120	122	**12.53**	0-1	0.0
	240	0	12.43		0.0
DFT-s-OFDM 16QAM	1	1	12.67	0-1	0.0
CP-OFDM QPSK	1	1	12.22	0-1.5	0.0

Table 10-116
NR Band n66 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

NR Band n66 45 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.71**	0	0.0
	1	121	19.67		0.0
	1	240	19.69		0.0
	120	0	**19.74**	0-1	0.0
	120	61	19.71	0	0.0
	120	122	19.69	0-1	0.0
	240	0	19.70		0.0
DFT-s-OFDM 16QAM	1	1	19.89	0-1	0.0
CP-OFDM QPSK	1	1	19.45	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-117
NR Band n66 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n66 45 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.92	0	0.0
	1	121	17.21		0.0
	1	240	**17.29**		0.0
	120	0	17.06	0-1	0.0
	120	61	17.18	0	0.0
	120	122	**17.29**	0-1	0.0
	240	0	17.16		0.0
DFT-s-OFDM 16QAM	1	1	17.39	0-1	0.0
CP-OFDM QPSK	1	1	17.06	0-1.5	0.0

Table 10-118
NR Band n66 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

NR Band n66 45 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**21.03**	0	0.0
	1	121	21.02		0.0
	1	240	20.95		0.0
	120	0	20.92	0-1	0.0
	120	61	**21.08**	0	0.0
	120	122	20.89	0-1	0.0
	240	0	21.00		0.0
DFT-s-OFDM 16QAM	1	1	21.37	0-1	0.0
CP-OFDM QPSK	1	1	20.85	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-119
NR Band n66 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

NR Band n66 45 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	349000 (1745 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.74	0	0.0
	1	121	10.73		0.0
	1	240	**10.75**		0.0
	120	0	10.72	0-1	0.0
	120	61	10.70	0	0.0
	120	122	**10.88**	0-1	0.0
	240	0	10.74		0.0
DFT-s-OFDM 16QAM	1	1	11.24	0-1	0.0
CP-OFDM QPSK	1	1	10.81	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.4.8 NR Band n25

Table 10-120
NR Band n25 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.57	0	0.0
	1	108	**24.03**		0.0
	1	214	23.85		0.0
	108	0	22.75	0-1	1.0
	108	54	**23.92**	0	0.0
	108	108	22.89	0-1	1.0
	216	0	22.73		1.0
DFT-s-OFDM 16QAM	1	1	22.79	0-1	1.0
CP-OFDM QPSK	1	1	21.90	0-1.5	1.5

Table 10-121
NR Band n25 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.45	0	0.0
	1	108	**18.00**		0.0
	1	214	17.87		0.0
	108	0	17.69	0-1	0.0
	108	54	**18.06**	0	0.0
	108	108	17.75	0-1	0.0
	216	0	17.87		0.0
DFT-s-OFDM 16QAM	1	1	17.86	0-1	0.0
CP-OFDM QPSK	1	1	17.69	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-122
NR Band n25 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	11.60	0	0.0
	1	108	**12.08**		0.0
	1	214	12.02		0.0
	108	0	11.93	0-1	0.0
	108	54	**12.19**	0	0.0
	108	108	12.04	0-1	0.0
	216	0	12.03		0.0
DFT-s-OFDM 16QAM	1	1	12.09	0-1	0.0
CP-OFDM QPSK	1	1	12.15	0-1.5	0.0

Table 10-123
NR Band n25 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.56**	0	0.0
	1	108	19.46		0.0
	1	214	19.33		0.0
	108	0	19.51	0-1	0.0
	108	54	**19.57**	0	0.0
	108	108	19.36	0-1	0.0
	216	0	19.38		0.0
DFT-s-OFDM 16QAM	1	1	19.90	0-1	0.0
CP-OFDM QPSK	1	1	19.55	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-124
NR Band n25 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	17.00	0	0.0
	1	108	**17.31**		0.0
	1	214	17.15		0.0
	108	0	17.10	0-1	0.0
	108	54	**17.32**	0	0.0
	108	108	17.17	0-1	0.0
	216	0	17.27		0.0
DFT-s-OFDM 16QAM	1	1	17.30	0-1	0.0
CP-OFDM QPSK	1	1	17.28	0-1.5	0.0

Table 10-125
NR Band n25 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	21.04	0	0.0
	1	108	**21.09**		0.0
	1	214	21.05		0.0
	108	0	21.03	0-1	0.0
	108	54	**21.09**	0	0.0
	108	108	20.90	0-1	0.0
	216	0	21.01		0.0
DFT-s-OFDM 16QAM	1	1	21.51	0-1	0.0
CP-OFDM QPSK	1	1	21.06	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-126
NR Band n25 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

NR Band n25 40 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	376500 (1882.5 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**10.33**	0	0.0
	1	108	10.29		0.0
	1	214	10.25		0.0
	108	0	**10.35**	0-1	0.0
	108	54	10.25	0	0.0
	108	108	10.27	0-1	0.0
	216	0	10.30		0.0
DFT-s-OFDM 16QAM	1	1	10.69	0-1	0.0
CP-OFDM QPSK	1	1	10.35	0-1.5	0.0

10.4.9 NR Band n30

Table 10-127
NR Band n30 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	22.70	0	0.0
	1	26	**22.97**		0.0
	1	50	22.28		0.0
	25	0	22.03	0-1	1.0
	25	14	**22.96**	0	0.0
	25	27	21.99	0-1	1.0
	50	0	22.03		1.0
DFT-s-OFDM 16QAM	1	1	22.20	0-1	1.0
CP-OFDM QPSK	1	1	21.28	0-1.5	1.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-128
NR Band n30 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.28	0	0.0
	1	26	**19.34**		0.0
	1	50	19.31		0.0
	25	0	**19.39**	0-1	0.0
	25	14	19.33	0	0.0
	25	27	19.38	0-1	0.0
	50	0	19.33		0.0
DFT-s-OFDM 16QAM	1	1	19.76	0-1	0.0
CP-OFDM QPSK	1	1	19.30	0-1.5	0.0

Table 10-129
NR Band n30 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.63	0	0.0
	1	26	**10.82**		0.0
	1	50	10.55		0.0
	25	0	**10.83**	0-1	0.0
	25	14	10.82	0	0.0
	25	27	10.70	0-1	0.0
	50	0	10.67		0.0
DFT-s-OFDM 16QAM	1	1	11.09	0-1	0.0
CP-OFDM QPSK	1	1	10.72	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-130
NR Band n30 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.49**	0	0.0
	1	26	18.38		0.0
	1	50	18.33		0.0
	25	0	**18.42**	0-1	0.0
	25	14	18.36	0	0.0
	25	27	18.39	0-1	0.0
	50	0	18.40		0.0
DFT-s-OFDM 16QAM	1	1	18.74	0-1	0.0
CP-OFDM QPSK	1	1	18.48	0-1.5	0.0

Table 10-131
NR Band n30 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.67**	0	0.0
	1	26	18.45		0.0
	1	50	18.50		0.0
	25	0	18.50	0-1	0.0
	25	14	18.46	0	0.0
	25	27	**18.56**	0-1	0.0
	50	0	18.55		0.0
DFT-s-OFDM 16QAM	1	1	18.94	0-1	0.0
CP-OFDM QPSK	1	1	18.65	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-132
NR Band n30 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**20.61**	0	0.0
	1	26	20.58		0.0
	1	50	20.58		0.0
	25	0	20.55	0-1	0.0
	25	14	**20.66**	0	0.0
	25	27	20.54	0-1	0.0
	50	0	20.59		0.0
DFT-s-OFDM 16QAM	1	1	21.09	0-1	0.0
CP-OFDM QPSK	1	1	20.74	0-1.5	0.0

Table 10-133
NR Band n30 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

NR Band n30 10 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	462000 (2310 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**10.02**	0	0.0
	1	26	9.95		0.0
	1	50	9.92		0.0
	25	0	9.92	0-1	0.0
	25	14	**9.99**	0	0.0
	25	27	9.97	0-1	0.0
	50	0	9.90		0.0
DFT-s-OFDM 16QAM	1	1	10.37	0-1	0.0
CP-OFDM QPSK	1	1	9.95	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.4.10 NR Band n7

Table 10-134
NR Band 7 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n7 50 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**23.24**	0	0.0
	1	135	23.22		0.0
	1	268	23.06		0.0
	135	0	22.28	0-1	1.0
	135	68	**23.16**	0	0.0
	135	135	22.09	0-1	1.0
	270	0	22.18		1.0
DFT-s-OFDM 16QAM	1	1	22.54	0-1	1.0
CP-OFDM QPSK	1	1	21.63	0-1.5	1.5

Table 10-135
NR Band n7 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n7 50 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.22**	0	0.0
	1	135	18.94		0.0
	1	268	18.89		0.0
	135	0	**19.21**	0-1	0.0
	135	68	19.04	0	0.0
	135	135	19.00	0-1	0.0
	270	0	19.07		0.0
DFT-s-OFDM 16QAM	1	1	19.56	0-1	0.0
CP-OFDM QPSK	1	1	19.19	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-136
NR Band n7 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n7 50 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**11.19**	0	0.0
	1	135	11.05		0.0
	1	268	10.89		0.0
	135	0	11.02	0-1	0.0
	135	68	**11.13**	0	0.0
	135	135	10.96	0-1	0.0
	270	0	11.03		0.0
DFT-s-OFDM 16QAM	1	1	11.65	0-1	0.0
CP-OFDM QPSK	1	1	11.14	0-1.5	0.0

Table 10-137
NR Band n7 Ant G Measured P_{limit} for DSI = 3 (F/C Head)

NR Band n7 50 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**17.49**	0	0.0
	1	135	17.36		0.0
	1	268	17.33		0.0
	135	0	**17.46**	0-1	0.0
	135	68	17.42	0	0.0
	135	135	17.31	0-1	0.0
	270	0	17.39		0.0
DFT-s-OFDM 16QAM	1	1	17.39	0-1	0.0
CP-OFDM QPSK	1	1	17.21	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-138
NR Band n7 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n7 50 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**16.67**	0	0.0
	1	135	16.36		0.0
	1	268	16.56		0.0
	135	0	16.62	0-1	0.0
	135	68	**16.64**	0	0.0
	135	135	16.61	0-1	0.0
	270	0	16.63		0.0
DFT-s-OFDM 16QAM	1	1	17.15	0-1	0.0
CP-OFDM QPSK	1	1	16.62	0-1.5	0.0

Table 10-139
NR Band n7 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

NR Band n7 50 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.14**	0	0.0
	1	135	18.11		0.0
	1	268	17.98		0.0
	135	0	**18.04**	0-1	0.0
	135	68	18.03	0	0.0
	135	135	18.02	0-1	0.0
	270	0	17.96		0.0
DFT-s-OFDM 16QAM	1	1	18.29	0-1	0.0
CP-OFDM QPSK	1	1	18.01	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-140
NR Band n7 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

NR Band n7 50 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	507000 (2535 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	8.65	0	0.0
	1	135	**8.67**		0.0
	1	268	8.59		0.0
	135	0	8.59	0-1	0.0
	135	68	**8.68**	0	0.0
	135	135	8.49	0-1	0.0
	270	0	8.56		0.0
DFT-s-OFDM 16QAM	1	1	8.89	0-1	0.0
CP-OFDM QPSK	1	1	8.50	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.4.11 NR Band n41 Path 1

Table 10-141
NR Band n41 PC2/PC1.5 Path 1 Ant G Measured P_{Limit} for DSI = 3 (F/C Head)

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.10	0	0.0
	1	137	**16.32**		0.0
	1	271	16.29		0.0
	135	0	16.21	0-1	0.0
	135	69	**16.36**	0	0.0
	135	138	16.29	0-1	0.0
	270	0	16.22		0.0
DFT-s-OFDM 16QAM	1	1	16.17	0-1	0.0
CP-OFDM QPSK	1	1	16.26	0-1.5	0.0

Table 10-142
NR Band n41 PC2/PC1.5 Path 1 Ant G Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.19	0	0.0
	1	137	**16.39**		0.0
	1	271	16.38		0.0
	135	0	16.01	0-1	0.0
	135	69	**16.28**	0	0.0
	135	138	16.27	0-1	0.0
	270	0	16.18		0.0
DFT-s-OFDM 16QAM	1	1	15.98	0-1	0.0
CP-OFDM QPSK	1	1	16.08	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-143
NR Band n41 PC2/PC1.5 Path 1 Ant G Measured P_{limit} for DSI = 0 (F/O Body)

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	19.20	0	0.0
	1	137	19.40		0.0
	1	271	**19.43**		0.0
	135	0	19.23	0-1	0.0
	135	69	19.41	0	0.0
	135	138	**19.44**	0-1	0.0
	270	0	19.28		0.0
DFT-s-OFDM 16QAM	1	1	19.21	0-1	0.0
CP-OFDM QPSK	1	1	19.18	0-1.5	0.0

Table 10-144
NR Band n41 PC2/PC1.5 Path 1 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	9.20	0	0.0
	1	137	9.38		0.0
	1	271	**9.41**		0.0
	135	0	9.25	0-1	0.0
	135	69	9.28	0	0.0
	135	138	**9.29**	0-1	0.0
	270	0	9.28		0.0
DFT-s-OFDM 16QAM	1	1	9.15	0-1	0.0
CP-OFDM QPSK	1	1	9.25	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-145
NR Band n41 PC2 Path 1 Ant B Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n41 100 MHz Bandwidth	
	Channel
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	19.71

Table 10-146
NR Band n41 PC2 Path 1 Ants B Measured P_{Limit} for DSI = 1 (F/C Body), and/or DSI = 5 (F/C Grip)

NR Band n41 100 MHz Bandwidth	
	Channel
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	17.84

Table 10-147
NR Band n41 PC2/PC1.5 Path 1 Ant H, and PC2 Path 1 Ant D Measured P_{Limit} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n41 100 MHz Bandwidth	
	Channel
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #3 Ant H	14.35
SRS #4 Ant D	14.37

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-148
NR Band n41 PC2/PC1.5 Path 1 Ant H, and PC2 Path 1 Ants B, and D Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n41 100 MHz Bandwidth	
	Channel
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #2 Ant B	**10.99**
SRS #3 Ant H	**7.30**
SRS #4 Ant D	**7.48**

10.4.12 NR Band n41 Path 2

Table 10-149
NR Band n41 PC2/PC1.5 Path 2 Ant B Measured P_{limit} for DSI = 3 (F/C Head)

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	23.84	0	0.0
	1	137	23.86		0.0
	1	271	**24.32**		0.0
	135	0	23.74	0-1	0.0
	135	69	**24.05**	0	0.0
	135	138	24.04	0-1	0.0
	270	0	23.95		0.0
DFT-s-OFDM 16QAM	1	1	23.78	0-1	0.0
CP-OFDM QPSK	1	1	24.03	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-150
NR Band n41 PC2/PC1.5 Path 2 Ant B Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	16.98	0	0.0
	1	137	17.27		0.0
	1	271	**17.48**		0.0
	135	0	17.06	0-1	0.0
	135	69	17.12	0	0.0
	135	138	**17.37**	0-1	0.0
	270	0	17.21		0.0
DFT-s-OFDM 16QAM	1	1	16.93	0-1	0.0
CP-OFDM QPSK	1	1	17.04	0-1.5	0.0

Table 10-151
NR Band n41 PC2/PC1.5 Path 2 Ant B Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n41 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	518598 (2592.99 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	10.61	0	0.0
	1	137	10.85		0.0
	1	271	**11.08**		0.0
	135	0	10.62	0-1	0.0
	135	69	10.85	0	0.0
	135	138	**10.99**	0-1	0.0
	270	0	10.82		0.0
DFT-s-OFDM 16QAM	1	1	10.62	0-1	0.0
CP-OFDM QPSK	1	1	10.73	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-152
NR Band n41 PC2 Path 2 Ant G Measured P_{Limit} for DSI = 0 (F/O Body), DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n41 100 MHz Bandwidth	
	Channel
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #2 Ant G	14.87

Table 10-153
NR Band n41 PC2 Path 2 Ant G Measured P_{limit} for DSI = 4 (F/O Grip)

NR Band n41 100 MHz Bandwidth	
	Channel
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #2 Ant G	9.74

Table 10-154
NR Band n41 PC2/PC1.5 Path 2 Ant D and PC2 Path 2 Ant H Measured P_{Limit} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n41 100 MHz Bandwidth	
	Channel
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #3 Ant D	14.56
SRS #4 Ant H	8.68

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-155
NR Band n41 PC2/PC1.5 Path 2 Ant D and PC2 Path 2 Ant H Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n41 100 MHz Bandwidth	
	Channel
Antenna	518598 (2592.99 MHz)
	Conducted Power [dBm]
SRS #3 Ant D	**7.51**
SRS #4 Ant H	**7.68**

10.4.13 NR Band n48 Path 1

Table 10-156
NR Band n48 Path 1 Ant F Measured P_{Limit} for DSI = 3 (F/C Head)

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	19.25	19.76	19.81	0	0.0
	1	53	19.54	19.79	19.82		0.0
	1	104	19.62	19.75	**19.86**		0.0
	50	0	19.47	19.84	19.86	0-1	0.0
	50	28	19.54	19.78	19.77	0	0.0
	50	56	19.55	19.80	**19.87**	0-1	0.0
	100	0	19.49	19.77	19.85		0.0
DFT-s-OFDM 16QAM	1	1	19.41	19.76	19.85	0-1	0.0
CP-OFDM QPSK	1	1	19.35	19.75	19.83	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-157
NR Band n48 Path 1 Ant F Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	17.15	17.66	17.92	0	0.0
	1	53	17.28	17.73	17.83		0.0
	1	104	17.43	17.81	**18.00**		0.0
	50	0	17.27	17.85	17.89	0-1	0.0
	50	28	17.29	17.84	17.89	0	0.0
	50	56	17.44	17.79	**18.01**	0-1	0.0
	100	0	17.26	17.89	17.93		0.0
DFT-s-OFDM 16QAM	1	1	17.23	17.80	17.96	0-1	0.0
CP-OFDM QPSK	1	1	17.19	17.80	17.92	0-1.5	0.0

Table 10-158
NR Band n48 Path 1 Ant F Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	8.38	9.08	9.09	0	0.0
	1	53	8.47	9.07	8.93		0.0
	1	104	8.55	9.04	**9.10**		0.0
	50	0	8.40	9.05	9.01	0-1	0.0
	50	28	8.58	9.09	**9.11**	0	0.0
	50	56	8.47	9.08	9.04	0-1	0.0
	100	0	8.43	9.04	9.09		0.0
DFT-s-OFDM 16QAM	1	1	8.41	9.03	9.01	0-1	0.0
CP-OFDM QPSK	1	1	8.33	9.04	9.08	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-159
NR Band n48 Path 1 Ant C, G, and A Measured P_{Max} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n48 40 MHz Bandwidth			
	Channel		
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #2 Ant C	17.31	17.25	17.26
SRS #3 Ant G	14.21	14.50	14.67
SRS #4 Ant A	14.26	14.63	14.71

Table 10-160
NR Band n48 Path 1 Ants C, G, and A Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n48 40 MHz Bandwidth			
	Channel		
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #2 Ant C	**9.63**	9.51	9.47
SRS #3 Ant G	7.44	7.72	**7.78**
SRS #4 Ant A	7.33	**7.68**	7.58

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.4.14 NR Band n48 Path 2

Table 10-161
NR Band n48 Path 2 Ant C Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	24.06	24.03	23.92	0	0.0
	1	53	24.19	24.12	24.01		0.0
	1	104	**24.28**	24.05	23.97		0.0
	50	0	23.40	23.28	23.22	0-1	0.5
	50	28	**24.12**	24.09	23.94	0	0.0
	50	56	23.51	23.38	23.30	0-1	0.5
	100	0	23.44	23.33	23.27		0.5
DFT-s-OFDM 16QAM	1	1	23.37	23.27	23.37	0-1	0.5
CP-OFDM QPSK	1	1	22.77	22.56	22.77	0-1.5	1.0

Table 10-162
NR Band n48 Path 2 Ant C Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	18.03	**18.50**	18.44	0	0.0
	1	53	18.18	18.46	18.24		0.0
	1	104	18.29	18.42	18.27		0.0
	50	0	18.11	18.50	18.38	0-1	0.0
	50	28	18.31	**18.57**	18.28	0	0.0
	50	56	18.29	18.49	18.29	0-1	0.0
	100	0	18.23	18.48	18.29		0.0
DFT-s-OFDM 16QAM	1	1	18.15	18.43	18.33	0-1	0.0
CP-OFDM QPSK	1	1	18.06	18.43	18.36	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-163
NR Band n48 Path 2 Ant C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n48 40 MHz Bandwidth							
			Channel			MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)		
			Conducted Power [dBm]				
DFT-s-OFDM QPSK	1	1	9.18	**9.68**	9.57	0	0.0
	1	53	9.29	9.65	9.41		0.0
	1	104	9.50	9.48	9.45		0.0
	50	0	9.22	9.62	9.53	0-1	0.0
	50	28	9.36	**9.72**	9.44	0	0.0
	50	56	9.43	9.65	9.49	0-1	0.0
	100	0	9.31	9.67	9.51		0.0
DFT-s-OFDM 16QAM	1	1	9.18	9.64	9.52	0-1	0.0
CP-OFDM QPSK	1	1	9.17	9.67	9.51	0-1.5	0.0

Table 10-164
NR Band n48 Path 2 Ant F Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n48 40 MHz Bandwidth			
	Channel		
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #2 Ant F	19.46	19.60	19.35

Table 10-165
NR Band n48 Path 2 Ant F Measured P_{Limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n48 40 MHz Bandwidth			
	Channel		
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #2 Ant F	17.62	17.73	17.88

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-166
NR Band n48 Path 2 Ant F Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n48 40 MHz Bandwidth			
	Channel		
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #2 Ant F	9.41	9.43	9.33

Table 10-167
NR Band n48 Path 2 Ants A and G Measured P_{Limit} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n48 40 MHz Bandwidth			
	Channel		
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #3 Ant A	14.20	14.77	14.64
SRS #4 Ant G	14.59	14.31	14.35

Table 10-168
NR Band n48 Path 2 Ants A and G Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n48 40 MHz Bandwidth			
	Channel		
Antenna	638000 (3570 MHz)	641666 (3624.99 MHz)	645332 (3679.98 MHz)
	Conducted Power [dBm]		
SRS #3 Ant A	7.65	7.87	7.72
SRS #4 Ant G	7.57	7.26	7.25

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.4.15 NR Band n77 Path 1

Table 10-169
NR Band n77 DoD PC2/PC1.5 Path 1 Ant F Measured P_{Limit} for DSI = 3 (F/C Head)

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**19.87**	0	0.0
	1	137	19.36		0.0
	1	271	19.39		0.0
	135	0	**19.66**	0-1	0.0
	135	69	19.48	0	0.0
	135	138	19.41	0-1	0.0
	270	0	19.53		0.0
DFT-s-OFDM 16QAM	1	1	19.61	0-1	0.0
CP-OFDM QPSK	1	1	19.65	0-1.5	0.0

Table 10-170
NR Band n77 PC2/PC1.5 Path 1 Ant F Measured P_{Limit} for DSI = 3 (F/C Head)

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	**19.82**	19.66	0	0.0
	1	137	19.59	19.49		0.0
	1	271	19.57	19.47		0.0
	135	0	**19.79**	19.59	0-1	0.0
	135	69	19.61	19.52	0	0.0
	135	138	19.56	19.49	0-1	0.0
	270	0	19.65	19.54		0.0
DFT-s-OFDM 16QAM	1	1	19.73	19.49	0-1	0.0
CP-OFDM QPSK	1	1	19.73	19.57	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-171
NR Band n77 DoD PC2/PC1.5 Path 1 Ant F Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**18.30**	0	0.0
	1	137	17.78		0.0
	1	271	17.77		0.0
	135	0	**18.17**	0-1	0.0
	135	69	17.89	0	0.0
	135	138	17.94	0-1	0.0
	270	0	17.83		0.0
DFT-s-OFDM 16QAM	1	1	18.15	0-1	0.0
CP-OFDM QPSK	1	1	18.16	0-1.5	0.0

Table 10-172
NR Band n77 PC2/PC1.5 Path 1 Ant F Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	18.36	**18.48**	0	0.0
	1	137	18.21	18.27		0.0
	1	271	18.16	18.18		0.0
	135	0	18.29	**18.31**	0-1	0.0
	135	69	18.14	18.26	0	0.0
	135	138	18.15	18.27	0-1	0.0
	270	0	18.23	18.30		0.0
DFT-s-OFDM 16QAM	1	1	18.24	18.28	0-1	0.0
CP-OFDM QPSK	1	1	18.27	18.30	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-173
NR Band n77 DoD PC2/PC1.5 Path 1 Ant F Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**9.38**	0	0.0
	1	137	8.92		0.0
	1	271	9.00		0.0
	135	0	**9.21**	0-1	0.0
	135	69	8.96	0	0.0
	135	138	8.97	0-1	0.0
	270	0	9.07		0.0
DFT-s-OFDM 16QAM	1	1	9.18	0-1	0.0
CP-OFDM QPSK	1	1	9.18	0-1.5	0.0

Table 10-174
NR Band n77 PC2/PC1.5 Path 1 Ant F Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	**9.40**	9.23	0	0.0
	1	137	9.12	9.05		0.0
	1	271	9.17	8.95		0.0
	135	0	**9.26**	9.16	0-1	0.0
	135	69	9.11	9.00	0	0.0
	135	138	9.12	9.07	0-1	0.0
	270	0	9.17	9.06		0.0
DFT-s-OFDM 16QAM	1	1	9.24	9.10	0-1	0.0
CP-OFDM QPSK	1	1	9.21	9.11	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-175
NR Band n77 DoD PC2/PC1.5 Path 1 Ant G, PC2 Path 1 Ants C, and A Measured P_{Limit} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n77 DoD 100 MHz Bandwidth	
	Channel
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant C	**18.13**
SRS #3 Ant G	**14.25**
SRS #4 Ant A	**14.70**

Table 10-176
NR Band n77 PC2/PC1.5 Path 1 Ant G, PC2 Path 1 Ants C, and A Measured P_{Limit} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n77 100 MHz Bandwidth		
	Channel	
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant C	17.45	**18.04**
SRS #3 Ant G	13.65	**14.43**
SRS #4 Ant A	**13.46**	13.08

Table 10-177
NR Band n77 DoD PC2/PC1.5 Path 1 Ant G, PC2 Path 1 Ants C, and A Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 DoD 100 MHz Bandwidth	
	Channel
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant C	**10.54**
SRS #3 Ant G	**7.35**
SRS #4 Ant A	**7.65**

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-178
NR Band n77 PC2/PC1.5 Path 1 Ant G, PC2 Path 1 Ants C, and A Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 100 MHz Bandwidth		
	Channel	
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant C	9.96	**10.60**
SRS #3 Ant G	6.40	**7.32**
SRS #4 Ant A	**6.54**	6.10

10.4.16 NR Band n77 Path 2

Table 10-179
NR Band n77 DoD PC2/PC1.5 Path 2 Ant C Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz) Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	24.98	0	0.0
	1	137	24.98		0.0
	1	271	25.07		0.0
	135	0	24.48	0-1	0.0
	135	69	24.97	0	0.0
	135	138	24.58	0-1	0.0
	270	0	24.58		0.0
DFT-s-OFDM 16QAM	1	1	24.47	0-1	0.0
CP-OFDM QPSK	1	1	24.75	0-1.5	0.5

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-180
NR Band n77 Path 2 PC2/PC1.5 Ant C Measured P_{Max} for DSI = 3 (F/C Head)

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	**25.37**	24.83	0	0.0
	1	137	25.15	24.73		0.0
	1	271	25.14	24.80		0.0
	135	0	24.55	24.13	0-1	0.0
	135	69	**25.10**	24.71	0	0.0
	135	138	24.44	24.31	0-1	0.0
	270	0	24.52	24.00		0.0
DFT-s-OFDM 16QAM	1	1	25.01	24.39	0-1	0.0
CP-OFDM QPSK	1	1	24.53	24.01	0-1.5	0.5

Table 10-181
NR Band n77 DoD PC2/PC1.5 Path 2 Ant C Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**17.37**	0	0.0
	1	137	17.03		0.0
	1	271	17.09		0.0
	135	0	**17.20**	0-1	0.0
	135	69	17.12	0	0.0
	135	138	17.12	0-1	0.0
	270	0	17.18		0.0
DFT-s-OFDM 16QAM	1	1	17.37	0-1	0.0
CP-OFDM QPSK	1	1	17.50	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-182
NR Band n77 PC2/PC1.5 Path 2 Ant C Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	**17.18**	17.10	0	0.0
	1	137	16.88	16.98		0.0
	1	271	16.98	17.07		0.0
	135	0	**17.20**	17.02	0-1	0.0
	135	69	16.88	16.98	0	0.0
	135	138	16.97	16.91	0-1	0.0
	270	0	17.09	16.96		0.0
DFT-s-OFDM 16QAM	1	1	17.18	17.12	0-1	0.0
CP-OFDM QPSK	1	1	17.16	17.18	0-1.5	0.0

Table 10-183
NR Band n77 DoD PC2/PC1.5 Path 2 Ant C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 DoD 100 MHz Bandwidth					
			Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	633334 (3500.01 MHz)		
			Conducted Power [dBm]		
DFT-s-OFDM QPSK	1	1	**10.57**	0	0.0
	1	137	10.39		0.0
	1	271	10.33		0.0
	135	0	**10.56**	0-1	0.0
	135	69	10.37	0	0.0
	135	138	10.39	0-1	0.0
	270	0	10.46		0.0
DFT-s-OFDM 16QAM	1	1	10.53	0-1	0.0
CP-OFDM QPSK	1	1	10.69	0-1.5	0.0

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-184
NR Band n77 PC2/PC1.5 Path 2 Ant C Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 100 MHz Bandwidth						
			Channel		MPR Allowed per 3GPP [dB]	MPR [dB]
Modulation	RB Size	RB Offset	650000 (3750 MHz)	662000 (3930 MHz)		
			Conducted Power [dBm]			
DFT-s-OFDM QPSK	1	1	**10.74**	10.49	0	0.0
	1	137	10.55	10.28		0.0
	1	271	10.44	10.41		0.0
	135	0	**10.53**	10.30	0-1	0.0
	135	69	10.31	10.36	0	0.0
	135	138	10.36	10.30	0-1	0.0
	270	0	10.45	10.37		0.0
DFT-s-OFDM 16QAM	1	1	10.48	10.46	0-1	0.0
CP-OFDM QPSK	1	1	10.91	10.49	0-1.5	0.0

Table 10-185
NR Band n77 DoD PC2 Path 2 Ant F Measured P_{Limit} for DSI = 3 (F/C Head)

NR Band n77 DoD 100 MHz Bandwidth	
	Channel
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant F	**20.33**

Table 10-186
NR Band n77 PC2 Path 2 Ant F Measured P_{Limit} for DSI = 3 (F/C Head)

NR Band n77 100 MHz Bandwidth		
	Channel	
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant F	19.82	**20.16**

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-187
NR Band n77 DoD PC2 Path 2 Ant F Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n77 DoD 100 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant F	**18.82**

Table 10-188
NR Band n77 PC2 Path 2 Ant F Measured P_{limit} for DSI = 1 (F/C Body) and/or DSI = 5 (F/C Grip)

NR Band n77 100 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant F	18.31	**18.74**

Table 10-189
NR Band n77 DoD PC2 Path 2 Ant F Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 DoD 100 MHz Bandwidth	
Channel	
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #2 Ant F	**9.73**

Table 10-190
NR Band n77 PC2 Path 2 Ant F Measured P_{limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 100 MHz Bandwidth		
Channel		
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #2 Ant F	9.17	**10.07**

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-191
NR Band n77 DoD PC2/PC1.5 Path 2 Ant A and PC2 Ant G Measured P_{Limit} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n77 DoD 100 MHz Bandwidth	
	Channel
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #3 Ant A	**14.16**
SRS #4 Ant G	**14.76**

Table 10-192
NR Band n77 PC2/PC1.5 Path 2 Ant A and PC2 Ant G Measured P_{Limit} for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip)

NR Band n77 100 MHz Bandwidth		
	Channel	
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #3 Ant A	13.93	**14.20**
SRS #4 Ant G	13.23	**13.99**

Table 10-193
NR Band n77 DoD PC2/PC1.5 Path 2 Ant A and PC2 Ant G Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 DoD 100 MHz Bandwidth	
	Channel
Antenna	633334 (3500.01 MHz)
	Conducted Power [dBm]
SRS #3 Ant A	7.36
SRS #4 Ant G	7.66

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-194
NR Band n77 PC2/PC1.5 Path 2 Ant A and PC2 Ant G Measured P_{Limit} for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip)

NR Band n77 100 MHz Bandwidth		
	Channel	
Antenna	650000 (3750 MHz)	662000 (3930 MHz)
	Conducted Power [dBm]	
SRS #3 Ant A	7.12	**7.51**
SRS #4 Ant G	6.33	**7.34**

Figure 10-4
Power Measurement Setup – NR FDD

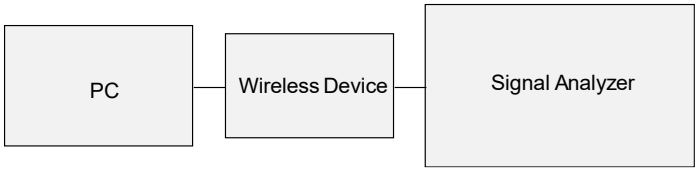


Figure 10-5
Power Measurement Setup – NR TDD

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.5 NTN Band 255 Conducted Powers

Table 10-195
NTN Band b255 Antenna G Maximum Conducted Powers

SCS	SC Size	Channel	Frequency [MHz]	Conducted Power [dBm]	
				BPSK	QPSK
3.75kHz	1SC0	261505	1626.6	24.02	24.12
	1SC24	261505	1626.6	24.46	24.46
	1SC47	261505	1626.6	23.99	24.01
15kHz	1SC0	261505	1626.6	24.21	24.19
	1SC6	261505	1626.6	24.91	24.96
	1SC11	261505	1626.6	24.42	24.27
	3SC0	261505	1626.6	N/A	23.46
	3SC6	261505	1626.6	N/A	23.52
	3SC9	261505	1626.6	N/A	23.28
	6SC0	261505	1626.6	N/A	23.51
	6SC6	261505	1626.6	N/A	23.78
	12SC0	261505	1626.6	N/A	23.45
3.75kHz	1SC0	261674	1643.5	23.97	24.01
	1SC24	261674	1643.5	24.4	24.35
	1SC47	261674	1643.5	23.77	23.81
15kHz	1SC0	261674	1643.5	24.13	24.05
	1SC6	261674	1643.5	24.78	24.74
	1SC11	261674	1643.5	24.15	24.29
	3SC0	261674	1643.5	N/A	23.27
	3SC6	261674	1643.5	N/A	23.32
	3SC9	261674	1643.5	N/A	23.34
	6SC0	261674	1643.5	N/A	23.41
	6SC6	261674	1643.5	N/A	23.39
	12SC0	261674	1643.5	N/A	23.40
3.75kHz	1SC0	261843	1660.4	24.01	23.81
	1SC24	261843	1660.4	24.38	24.41
	1SC47	261843	1660.4	23.92	23.91
15kHz	1SC0	261843	1660.4	24.22	24.18
	1SC6	261843	1660.4	24.37	24.34
	1SC11	261843	1660.4	24.02	24.21
	3SC0	261843	1660.4	N/A	23.88
	3SC6	261843	1660.4	N/A	23.80
	3SC9	261843	1660.4	N/A	23.71
	6SC0	261843	1660.4	N/A	23.78
	6SC6	261843	1660.4	N/A	23.82
	12SC0	261843	1660.4	N/A	23.78

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-196
NTN Band b255 Antenna G Reduced Conducted Powers – Folder Closed Grip Sensor Active

SCS	SC Size	Channel	Frequency [MHz]	Conducted Power [dBm]	
				BPSK	QPSK
3.75kHz	1SC0	261505	1626.6	**18.81**	**18.65**
	1SC24	261505	1626.6	**19.32**	**19.31**
	1SC47	261505	1626.6	**18.87**	**18.82**
15kHz	1SC0	261505	1626.6	**19.10**	**19.09**
	1SC6	261505	1626.6	**19.85**	**19.89**
	1SC11	261505	1626.6	**18.82**	**18.94**
	3SC0	261505	1626.6	N/A	**19.39**
	3SC6	261505	1626.6	N/A	**19.54**
	3SC9	261505	1626.6	N/A	**19.21**
	6SC0	261505	1626.6	N/A	**19.24**
	6SC6	261505	1626.6	N/A	**19.25**
	12SC0	261505	1626.6	N/A	**19.23**
3.75kHz	1SC0	261674	1643.5	**18.56**	**18.46**
	1SC24	261674	1643.5	**19.46**	**19.05**
	1SC47	261674	1643.5	**18.71**	**18.83**
15kHz	1SC0	261674	1643.5	**18.86**	**18.93**
	1SC6	261674	1643.5	**19.45**	**19.62**
	1SC11	261674	1643.5	**19.01**	**19.16**
	3SC0	261674	1643.5	N/A	**19.00**
	3SC6	261674	1643.5	N/A	**19.32**
	3SC9	261674	1643.5	N/A	**19.16**
	6SC0	261674	1643.5	N/A	**19.21**
	6SC6	261674	1643.5	N/A	**19.52**
	12SC0	261674	1643.5	N/A	**19.20**
3.75kHz	1SC0	261843	1660.4	**18.49**	**18.54**
	1SC24	261843	1660.4	**19.12**	**19.13**
	1SC47	261843	1660.4	**18.76**	**18.75**
15kHz	1SC0	261843	1660.4	**18.98**	**19.03**
	1SC6	261843	1660.4	**19.13**	**19.56**
	1SC11	261843	1660.4	**18.98**	**18.95**
	3SC0	261843	1660.4	N/A	**19.15**
	3SC6	261843	1660.4	N/A	**19.11**
	3SC9	261843	1660.4	N/A	**19.15**
	6SC0	261843	1660.4	N/A	**19.08**
	6SC6	261843	1660.4	N/A	**19.13**
	12SC0	261843	1660.4	N/A	**19.05**

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-197
NTN Band b255 Antenna G Reduced Conducted Powers – Folder Open Grip Sensor Active

SCS	SC Size	Channel	Frequency [MHz]	Conducted Power [dBm]	
				BPSK	QPSK
3.75kHz	1SC0	261505	1626.6	**12.13**	**12.39**
	1SC24	261505	1626.6	**13.05**	**12.89**
	1SC47	261505	1626.6	**12.31**	**12.26**
15kHz	1SC0	261505	1626.6	**12.59**	**12.62**
	1SC6	261505	1626.6	**13.13**	**13.43**
	1SC11	261505	1626.6	**12.71**	**12.73**
	3SC0	261505	1626.6	N/A	**12.62**
	3SC6	261505	1626.6	N/A	**12.84**
	3SC9	261505	1626.6	N/A	**12.81**
	6SC0	261505	1626.6	N/A	**12.83**
	6SC6	261505	1626.6	N/A	**12.95**
	12SC0	261505	1626.6	N/A	**13.08**
3.75kHz	1SC0	261674	1643.5	**12.42**	**12.30**
	1SC24	261674	1643.5	**12.86**	**12.77**
	1SC47	261674	1643.5	**12.47**	**12.48**
15kHz	1SC0	261674	1643.5	**12.77**	**12.77**
	1SC6	261674	1643.5	**13.26**	**13.51**
	1SC11	261674	1643.5	**12.96**	**12.81**
	3SC0	261674	1643.5	N/A	**13.11**
	3SC6	261674	1643.5	N/A	**12.96**
	3SC9	261674	1643.5	N/A	**12.78**
	6SC0	261674	1643.5	N/A	**12.99**
	6SC6	261674	1643.5	N/A	**13.15**
	12SC0	261674	1643.5	N/A	**13.05**
3.75kHz	1SC0	261843	1660.4	**12.24**	**12.39**
	1SC24	261843	1660.4	**12.73**	**12.75**
	1SC47	261843	1660.4	**12.47**	**12.16**
15kHz	1SC0	261843	1660.4	**12.54**	**12.76**
	1SC6	261843	1660.4	**13.54**	**13.65**
	1SC11	261843	1660.4	**12.37**	**12.67**
	3SC0	261843	1660.4	N/A	**12.78**
	3SC6	261843	1660.4	N/A	**12.85**
	3SC9	261843	1660.4	N/A	**12.73**
	6SC0	261843	1660.4	N/A	**12.77**
	6SC6	261843	1660.4	N/A	**13.31**
	12SC0	261843	1660.4	N/A	**12.78**

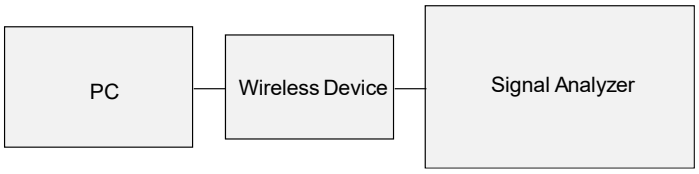


Figure 10-6
Power Measurement Setup – NTN

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

10.6 WLAN Conducted Powers

Table 10-198
2.4 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head)– Ant H

2.4GHz WIFI (20MHz 802.11b SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	19.65
2437	6		19.99
2462	11		19.81
2.4GHz WIFI (20MHz 802.11g SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.63
2437	6		17.80
2462	11		17.25
2.4GHz WIFI (20MHz 802.11n SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.99
2437	6		17.67
2462	11		17.05
2.4GHz WIFI (20MHz 802.11ac SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.99
2437	6		17.65
2462	11		17.04
2.4GHz WIFI (20MHz 802.11ax SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.98
2437	6		17.99
2462	11		17.49
2.4GHz WIFI (20MHz 802.11be SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.49
2437	6		17.52
2462	11		17.02

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-199
2.4 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head) – Ant F

2.4GHz WIFI (20MHz 802.11b SISO Ant F)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
412	1	Average	19.68
437	6		19.75
462	11		19.58
2.4GHz WIFI (20MHz 802.11g SISO Ant F)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
412	1	Average	17.76
437	6		17.85
462	11		17.28
2.4GHz WIFI (20MHz 802.11n SISO Ant F)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
412	1	Average	17.66
437	6		17.79
462	11		17.32
2.4GHz WIFI (20MHz 802.11ac SISO Ant F)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
412	1	Average	17.68
437	6		17.76
462	11		17.31
2.4GHz WIFI (20MHz 802.11ax SISO Ant F)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
412	1	Average	17.65
437	6		17.78
462	11		17.28
2.4GHz WIFI (20MHz 802.11be SISO Ant F)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
412	1	Average	17.40
437	6		17.49
462	11		17.32

Table 10-200
2.4 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head) – MIMO

2.4GHz WIFI (20MHz 802.11b MIMO)					
Freq [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**		
			ANT1	**ANT2**	**MIMO**
2412	1	Average	19.15	19.83	22.51
2437	6		19.05	19.76	22.43
2462	11		19.86	19.62	22.75

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-201
2.4 GHz WLAN Measured P_{limit} Average RF Power for DSI = 1 (F/C Body), and/or DSI = 5 (F/C Grip) – Ant H

2.4GHz WIFI (20MHz 802.11b SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.03
2437	6		16.99
2462	11		17.67
2.4GHz WIFI (20MHz 802.11g SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.63
2437	6		17.80
2462	11		17.25
2.4GHz WIFI (20MHz 802.11n SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.99
2437	6		17.67
2462	11		17.05
2.4GHz WIFI (20MHz 802.11ac SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.99
2437	6		17.65
2462	11		17.04
2.4GHz WIFI (20MHz 802.11ax SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.98
2437	6		17.99
2462	11		17.49
2.4GHz WIFI (20MHz 802.11be SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	17.13
2437	6		17.20
2462	11		17.82

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-202
2.4 GHz WLAN Measured P_{limit} Average RF Power for DSI = 1 (F/C Body), and/or DSI = 5 (F/C Grip) – Ant F

2.4GHz WIFI (20MHz 802.11b SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	16.91
2437	6		16.90
2462	11		16.78
2.4GHz WIFI (20MHz 802.11g SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.76
2437	6		17.85
2462	11		17.28
2.4GHz WIFI (20MHz 802.11n SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.66
2437	6		17.79
2462	11		17.32
2.4GHz WIFI (20MHz 802.11ac SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.68
2437	6		17.76
2462	11		17.31
2.4GHz WIFI (20MHz 802.11ax SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.65
2437	6		17.78
2462	11		17.28
2.4GHz WIFI (20MHz 802.11be SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	17.27
2437	6		17.32
2462	11		17.23

Table 10-203
2.4 GHz WLAN Measured P_{limit} Average RF Power for DSI = 1 (F/C Body), and/or DSI = 5 (F/C Grip) – MIMO

2.4GHz WIFI (20MHz 802.11b MIMO)					
Freq [MHz]	Channel	Detector	Conducted Power [dBm]		
			ANT1	ANT2	MIMO
2412	1	Average	16.91	16.88	19.91
2437	6		16.98	16.90	19.95
2462	11		17.62	17.55	20.60

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-204
2.4 GHz WLAN Measured P_{Limit} Average RF Power for DSI =0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant H

2.4GHz WIFI (20MHz 802.11b SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	12.42
2437	6		12.43
2462	11		12.96
2.4GHz WIFI (20MHz 802.11g SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	12.01
2437	6		12.03
2462	11		12.25
2.4GHz WIFI (20MHz 802.11n SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	12.44
2437	6		12.50
2462	11		12.24
2.4GHz WIFI (20MHz 802.11ac SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	12.42
2437	6		12.49
2462	11		12.20
2.4GHz WIFI (20MHz 802.11ax SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	12.00
2437	6		12.03
2462	11		12.42
2.4GHz WIFI (20MHz 802.11be SISO Ant H)			
Freq. [MHz]	**Channel**	**Detector**	**Conducted Power [dBm]**
2412	1	Average	12.00
2437	6		12.05
2462	11		12.40

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-205
2.4 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant F

2.4GHz WIFI (20MHz 802.11b SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	12.53
2437	6		12.65
2462	11		12.22
2.4GHz WIFI (20MHz 802.11g SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	12.24
2437	6		12.17
2462	11		12.11
2.4GHz WIFI (20MHz 802.11n SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	12.16
2437	6		12.10
2462	11		12.04
2.4GHz WIFI (20MHz 802.11ac SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	12.19
2437	6		12.06
2462	11		12.01
2.4GHz WIFI (20MHz 802.11ax SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	12.32
2437	6		12.19
2462	11		12.15
2.4GHz WIFI (20MHz 802.11be SISO Ant F)			
Freq. [MHz]	Channel	Detector	Conducted Power [dBm]
2412	1	Average	12.25
2437	6		12.21
2462	11		12.16

Table 10-206
2.4 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) - MIMO

2.4GHz WIFI (20MHz 802.11b MIMO)					
Freq [MHz]	Channel	Detector	Conducted Power [dBm]		
			ANT1	ANT2	MIMO
12	1	Average	12.31	12.55	15.44
37	6		12.31	12.53	15.43
52	11		12.91	12.57	15.75

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-207
5 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head) – Ant F

5GHz WIFI (40MHz 802.11n SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.54
	5230	46	17.47
UNII-2A	5270	54	17.10
	5310	62	11.12
UNII-3	5755	151	17.07
	5795	159	17.10
UNII-4	5835	167	17.29
	5875	175	17.32

5GHz WIFI (40MHz 802.11ac SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.55
	5230	46	17.29
UNII-2A	5270	54	17.52
	5310	62	11.11
UNII-3	5755	151	17.11
	5795	159	17.25
UNII-4	5835	167	17.04
	5875	175	17.11

5GHz WIFI (40MHz 802.11ax SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.22
	5230	46	17.59
UNII-2A	5270	54	17.27
	5310	62	10.62
UNII-3	5755	151	17.20
	5795	159	17.28
UNII-4	5835	167	17.42
	5875	175	17.45

5GHz WIFI (40MHz 802.11be SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.11
	5230	46	17.47
UNII-2A	5270	54	17.10
	5310	62	10.63
UNII-3	5755	151	17.03
	5795	159	17.11
UNII-4	5835	167	17.23
	5875	175	17.26

5GHz WIFI (80MHz 802.11ac SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.66
	5610	122	17.22
	5690	138	17.38

5GHz WIFI (80MHz 802.11ax SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.16
	5610	122	17.04
	5690	138	17.11

5GHz WIFI (80MHz 802.11be SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.33
	5610	122	17.21
	5690	138	17.09

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-208
5 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head) – Ant E

5GHz WIFI (40MHz 802.11n SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.54
	5230	46	17.31
UNII-2A	5270	54	17.36
	5310	62	11.12
UNII-3	5755	151	17.45
	5795	159	17.32
UNII-4	5835	167	17.05
	5875	175	17.21

5GHz WIFI (40MHz 802.11ac SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.62
	5230	46	17.52
UNII-2A	5270	54	17.11
	5310	62	11.04
UNII-3	5755	151	17.14
	5795	159	17.26
UNII-4	5835	167	17.24
	5875	175	17.14

5GHz WIFI (40MHz 802.11ax SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.21
	5230	46	17.44
UNII-2A	5270	54	17.51
	5310	62	10.62
UNII-3	5755	151	17.30
	5795	159	17.15
UNII-4	5835	167	17.21
	5875	175	17.40

5GHz WIFI (20MHz 802.11be SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.07
	5230	46	17.30
UNII-2A	5270	54	17.31
	5310	62	10.62
UNII-3	5755	151	17.37
	5795	159	17.25
UNII-4	5835	167	17.57
	5875	175	17.13

5GHz WIFI (80MHz 802.11ac SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.62
	5610	122	17.47
	5690	138	17.52

5GHz WIFI (80MHz 802.11ax SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.29
	5610	122	17.42
	5690	138	17.29

5GHz WIFI (80MHz 802.11be SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.47
	5610	122	17.05
	5690	138	17.33

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-209
5 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head) – MIMO

5GHz WIFI (40MHz 802.11n MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT1	ANT2	MIMO
UNII-1	5190	38	9.42	9.72	12.58
	5230	46	17.52	17.11	20.33
UNII-2A	5270	54	17.70	16.89	20.32
	5310	62	10.62	11.41	14.04
UNII-3	5755	151	17.32	17.64	20.49
	5795	159	17.12	17.51	20.33
UNII-4	5835	167	17.12	17.59	20.37
	5875	175	17.11	17.68	20.41
5GHz WIFI (80MHz 802.11ac MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT1	ANT2	MIMO
UNII-2C	5530	106	12.89	13.57	16.25
	5610	122	17.97	17.49	20.75
	5690	138	17.82	17.33	20.59

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-210
5 GHz WLAN Measured P_{Limit} Average RF Power for DSI =1 (F/C Body) and/or DSI = 5 (F/C Grip) – Ant F

5GHz WIFI (40MHz 802.11n SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.54
	5230	46	16.60
UNII-2A	5270	54	16.67
	5310	62	11.12
UNII-3	5755	151	16.83
	5795	159	16.82
UNII-4	5835	167	16.99
	5875	175	16.65

5GHz WIFI (40MHz 802.11ac SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.93
	5230	46	16.65
UNII-2A	5270	54	16.38
	5310	62	11.30
UNII-3	5755	151	16.70
	5795	159	16.83
UNII-4	5835	167	16.90
	5875	175	16.99

5GHz WIFI (40MHz 802.11ax SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.38
	5230	46	16.33
UNII-2A	5270	54	16.42
	5310	62	10.60
UNII-3	5755	151	16.80
	5795	159	16.90
UNII-4	5835	167	16.99
	5875	175	16.75

5GHz WIFI (40MHz 802.11be SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.03
	5230	46	16.17
UNII-2A	5270	54	16.25
	5310	62	10.50
UNII-3	5755	151	16.60
	5795	159	16.76
UNII-4	5835	167	16.98
	5875	175	16.99

5GHz WIFI (80MHz 802.11ac SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.66
	5610	122	16.45
	5690	138	16.12

5GHz WIFI (80MHz 802.11ax SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.55
	5610	122	16.85
	5690	138	16.75

5GHz WIFI (80MHz 802.11be SISO Ant F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.56
	5610	122	16.87
	5690	138	16.82

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-211
5 GHz WLAN Measured P_{Limit} Average RF Power for DSI =1 (F/C Body) and/or DSI = 5 (F/C Grip) – Ant E

5GHz WIFI (40MHz 802.11n SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.54
	5230	46	16.90
UNII-2A	5270	54	16.99
	5310	62	11.12
UNII-3	5755	151	16.57
	5795	159	16.80
UNII-4	5835	167	16.72
	5875	175	16.77

5GHz WIFI (40MHz 802.11ac SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.70
	5230	46	16.99
UNII-2A	5270	54	16.90
	5310	62	11.48
UNII-3	5755	151	16.98
	5795	159	16.94
UNII-4	5835	167	16.99
	5875	175	16.97

5GHz WIFI (40MHz 802.11ax SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.06
	5230	46	16.35
UNII-2A	5270	54	16.99
	5310	62	11.49
UNII-3	5755	151	16.70
	5795	159	16.72
UNII-4	5835	167	16.75
	5875	175	16.85

5GHz WIFI (20MHz 802.11be SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5190	38	9.37
	5230	46	16.25
UNII-2A	5270	54	16.85
	5310	62	11.40
UNII-3	5755	151	16.36
	5795	159	16.48
UNII-4	5835	167	16.62
	5875	175	16.65

5GHz WIFI (80MHz 802.11ac SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.62
	5610	122	16.50
	5690	138	16.20

5GHz WIFI (80MHz 802.11ax SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.79
	5610	122	16.58
	5690	138	16.40

5GHz WIFI (80MHz 802.11be SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-2C	5530	106	13.85
	5610	122	16.60
	5690	138	16.35

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-212
5 GHz WLAN Measured P_{Limit} Average RF Power for DSI =1 (F/C Body) and/or DSI = 5 (F/C Grip) - MIMO

5GHz WIFI (40MHz 802.11n MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT1	ANT2	MIMO
UNII-1	5190	38	9.42	9.72	12.58
	5230	46	16.50	16.88	19.70
UNII-2A	5270	54	16.09	16.91	19.53
	5310	62	10.62	11.41	14.04
UNII-3	5755	151	16.40	16.68	19.55
	5795	159	16.52	16.67	19.61
UNII-4	5835	167	16.50	16.75	19.64
	5875	175	16.58	16.72	19.66
5GHz WIFI (80MHz 802.11ac MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT1	ANT2	MIMO
UNII-2C	5530	106	12.89	13.57	16.25
	5610	122	16.70	16.64	19.68
	5690	138	16.43	16.55	19.46

Table 10-213
5 GHz WLAN Measured P_{Limit} Average RF Power for DSI =0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant F

5GHz WIFI (80MHz 802.11ac SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.38
UNII-2A	5290	58	8.31
UNII-2C	5530	106	8.76
	5610	122	8.99
	5690	138	9.22
UNII-3	5775	155	9.15
UNII-4	5855	171	9.18
5GHz WIFI (80MHz 802.11ax SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.90
UNII-2A	5290	58	8.51
UNII-2C	5530	106	9.10
	5610	122	9.42
	5690	138	9.52
UNII-3	5775	155	9.16
UNII-4	5885	171	9.39
5GHz WIFI (80MHz 802.11be SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-1	5210	42	8.86
UNII-2A	5290	58	8.55
UNII-2C	5530	106	9.13
	5610	122	9.46
	5690	138	9.52
UNII-3	5775	155	9.23
UNII-4	5885	171	9.46

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-214
5 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant E

5GHz WIFI (80MHz 802.11ac SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	8.21
UNII-2A	5290	58	8.53
UNII-2C	5530	106	8.77
	5610	122	8.37
	5690	138	8.34
UNII-3	5775	155	8.40
UNII-4	5855	171	8.50
5GHz WIFI (80MHz 802.11ax SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	8.69
UNII-2A	5290	58	9.36
UNII-2C	5530	106	9.80
	5610	122	9.30
	5690	138	9.29
UNII-3	5775	155	9.20
UNII-4	5885	171	9.31
5GHz WIFI (80MHz 802.11be SISO Ant E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-1	5210	42	8.70
UNII-2A	5290	58	9.39
UNII-2C	5530	106	9.78
	5610	122	9.36
	5690	138	9.32
UNII-3	5775	155	9.28
UNII-4	5885	171	9.36

Table 10-215
5 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) - MIMO

5GHz WIFI (80MHz 802.11ac MIMO)					
Band	**Freq [MHz]**	**Channel**	**Avg. Conducted Powers [dBm]**		
			ANT1	**ANT2**	**MIMO**
UNII-1	5210	42	8.33	7.71	11.04
UNII-2A	5290	58	8.16	8.59	11.39
UNII-2C	5530	106	8.59	8.76	11.69
	5610	122	8.76	8.34	11.57
	5690	138	9.09	8.34	11.74
UNII-3	5775	155	9.00	8.21	11.63
UNII-4	5855	171	9.18	8.35	11.80

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-216
6 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head) – Ant F

6GHz WIFI (40MHz 802.11ax SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5965	3	16.91
	6285	67	16.64
UNII-7	6685	147	16.36

6GHz WIFI (40MHz 802.11be SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5965	3	16.73
	6285	67	16.43
UNII-7	6685	147	16.11

6GHz WIFI (80MHz 802.11ax SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-6	6465	103	15.02
UNII-8	7025	215	15.29

6GHz WIFI (80MHz 802.11be SISO Ant F)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-6	6465	103	15.00
UNII-8	7025	215	15.32

Table 10-217
6 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head)– Ant E

6GHz WIFI (40MHz 802.11ax SISO Ant E)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5965	3	16.81
	6285	67	16.11
UNII-7	6685	147	16.09

6GHz WIFI (40MHz 802.11be SISO Ant E)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-5	5965	3	16.63
	6285	67	16.29
UNII-7	6685	147	16.37

6GHz WIFI (80MHz 802.11ax SISO Ant E)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-6	6465	103	15.04
UNII-8	7025	215	15.32

6GHz WIFI (80MHz 802.11be SISO Ant E)			
Band	Freq. [MHz]	Channel	Avg. Conducted Power [dBm]
UNII-6	6465	103	15.11
UNII-8	7025	215	15.36

Table 10-218
6 GHz WLAN Measured P_{Max} Average RF Power for DSI = 3 (F/C Head) – MIMO

6GHz WIFI (40MHz 802.11ax MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT1	ANT2	MIMO
UNII-5	5965	3	16.72	15.76	19.28
	6285	67	16.92	15.57	19.31
UNII-7	6685	147	16.52	16.42	19.48

6GHz WIFI (80MHz 802.11ax MIMO)					
Band	Freq [MHz]	Channel	Avg. Conducted Powers [dBm]		
			ANT1	ANT2	MIMO
UNII-6	6465	103	14.60	15.36	18.01
UNII-8	7025	215	14.89	15.82	18.39

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-219
6 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 1 (F/C Body), and/or DSI = 5 (F/C Grip) – Ant F

6GHz WIFI (160MHz 802.11ax SISO ANT F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	14.50
	6345	79	14.45
UNII-6	6505	111	14.44
UNII-7	6825	175	14.10
UNII-8	6985	207	14.12
6GHz WIFI (160MHz 802.11be SISO ANT F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	13.91
	6345	79	13.20
UNII-6	6505	111	13.50
UNII-7	6825	175	13.56
UNII-8	6985	207	13.45

Table 10-220
6 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 1 (F/C Body), and/or DSI = 5 (F/C Grip) – Ant E

6GHz WIFI (160MHz 802.11ax SISO ANT E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	14.53
	6345	79	14.43
UNII-6	6505	111	14.09
UNII-7	6825	175	14.52
UNII-8	6985	207	14.40
6GHz WIFI (160MHz 802.11be SISO ANT E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	14.16
	6345	79	13.75
UNII-6	6505	111	13.54
UNII-7	6825	175	14.09
UNII-8	6985	207	14.08

Table 10-221
6 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 1 (F/C Body), and/or DSI = 5 (F/C Grip) - MIMO

6GHz WIFI (160MHz 802.11ax MIMO)					
Band	**Freq [MHz]**	**Channel**	**Avg. Conducted Powers [dBm]**		
			ANT1	**ANT2**	**MIMO**
UNII-5	6025	15	13.96	14.51	17.25
	6345	79	14.42	14.99	17.72
UNII-6	6505	111	14.37	14.91	17.66
UNII-7	6825	175	14.33	14.87	17.62
UNII-8	6985	207	13.72	14.97	17.40

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-222
6 GHz WLAN Measured P_{Limit} Average RF Power for DSI =0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant F

6GHz WIFI (160MHz 802.11ax SISO ANT F)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	9.55
	6345	79	9.87
UNII-6	6505	111	9.90
UNII-7	6825	175	9.21
UNII-8	6985	207	9.33
6GHz WIFI (160MHz 802.11be SISO ANT1)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	9.30
	6345	79	9.36
UNII-6	6505	111	9.45
UNII-7	6825	175	9.00
UNII-8	6985	207	9.23

Table 10-223
6 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant E

6GHz WIFI (160MHz 802.11ax SISO ANT E)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	9.36
	6345	79	9.29
UNII-6	6505	111	9.21
UNII-7	6825	175	9.49
UNII-8	6985	207	9.72
6GHz WIFI (160MHz 802.11be SISO ANT2)			
Band	**Freq. [MHz]**	**Channel**	**Avg. Conducted Power [dBm]**
UNII-5	6025	15	9.12
	6345	79	8.75
UNII-6	6505	111	8.55
UNII-7	6825	175	9.20
UNII-8	6985	207	9.18

Table 10-224
6 GHz WLAN Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) - MIMO

6GHz WIFI (160MHz 802.11ax MIMO)					
Band	**Freq [MHz]**	**Channel**	**Avg. Conducted Powers [dBm]**		
			ANT1	**ANT2**	**MIMO**
UNII-5	6025	15	9.63	9.39	12.52
	6345	79	8.99	9.49	12.26
UNII-6	6505	111	9.19	9.46	12.34
UNII-7	6825	175	8.78	9.56	12.20
UNII-8	6985	207	9.06	9.66	12.38

Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02:

- Power measurements were performed for the transmission mode configuration with the highest maximum output power specified for production units.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

- For transmission modes with the same maximum output power specification, powers were measured for the largest channel bandwidth, lowest order modulation and lowest data rate.
- For transmission modes with identical maximum specified output power, channel bandwidth, modulation and data rates, power measurements were required for all identical configurations.
- For each transmission mode configuration, powers were measured for the highest and lowest channels; and at the mid-band channel(s) when there were at least 3 channels supported. For configurations with multiple mid-band channels, due to an even number of channels, both channels were measured.

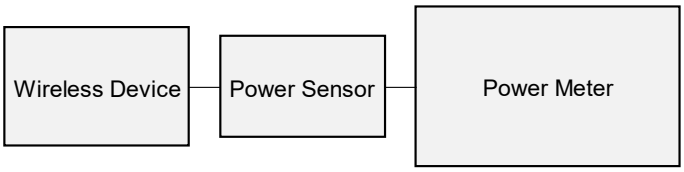


Figure 10-7
Power Measurement Setup

10.7 Bluetooth Conducted Powers

Table 10-225
Bluetooth Measured P_{max} Average RF Power for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip) – Ant H

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2402	1.0	0	19.31	85.362
2441	1.0	39	18.42	69.496
2480	1.0	78	18.25	66.871
2402	2.0	0	15.48	35.280
2441	2.0	39	15.41	34.792
2480	2.0	78	14.95	31.229
2402	3.0	0	15.55	35.904
2441	3.0	39	15.53	35.693
2480	3.0	78	15.05	32.003

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-226
Bluetooth Measured P_{max} Average RF Power for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip) – Ant F

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2402	1.0	0	19.00	79.468
2441	1.0	39	19.73	94.064
2480	1.0	78	19.17	82.588
2402	2.0	0	15.46	35.180
2441	2.0	39	16.29	42.570
2480	2.0	78	15.83	38.321
2402	3.0	0	15.57	36.048
2441	3.0	39	16.43	43.907
2480	3.0	78	15.96	39.451

Table 10-227
Bluetooth Measured P_{max} Average RF Power for DSI = 1 (F/C Body), DSI = 3 (F/C Head), and/or DSI = 5 (F/C Grip) – MIMO

Frequency [MHz]	Data Rate [Mbps]	Channel No.	ANT1 Avg Conducted Power		ANT2 Avg Conducted Power		Dual Avg Conducted Power	
			[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]
2402	1.0	0	14.26	26.669	15.37	34.435	17.86	61.104
2441	1.0	39	14.41	27.606	14.85	30.549	17.65	58.155
2480	1.0	78	12.61	18.239	14.72	29.648	16.80	47.887

Table 10-228
Bluetooth Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant H

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2402	1.0	0	13.35	21.627
2441	1.0	39	13.42	21.979
2480	1.0	78	12.62	18.281
2402	2.0	0	13.10	20.417
2441	2.0	39	13.07	20.277
2480	2.0	78	12.75	18.836
2402	3.0	0	13.06	20.230
2441	3.0	39	13.07	20.277
2480	3.0	78	12.73	18.750

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-229
Bluetooth Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant F

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2402	1.0	0	14.94	31.189
2441	1.0	39	14.63	29.040
2480	1.0	78	14.69	29.444
2402	2.0	0	13.44	22.080
2441	2.0	39	13.82	24.099
2480	2.0	78	13.52	22.491
2402	3.0	0	13.40	21.878
2441	3.0	39	13.75	23.714
2480	3.0	78	13.51	22.439

Table 10-230
Bluetooth Measured P_{Limit} Average RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – MIMO

Frequency [MHz]	Data Rate [Mbps]	Channel No.	ANT1 Avg Conducted Power		ANT2 Avg Conducted Power		Dual Avg Conducted Power	
			[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]
2402	1.0	0	13.47	22.233	14.19	26.242	16.86	48.475
2441	1.0	39	13.44	22.080	14.29	26.853	16.90	48.933
2480	1.0	78	12.92	19.588	13.98	25.003	16.49	44.592

Table 10-231
Bluetooth LE Measured P_{Limit} Peak RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant H

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Bluetooth Mode	Peak Conducted Power	
				[dBm]	[mW]
2402	125 kbps	0	LE	10.59	11.455
2440	125 kbps	19	LE	10.61	11.508
2480	125 kbps	39	LE	9.24	8.395
2402	500 kbps	0	LE	10.80	12.023
2440	500 kbps	19	LE	10.82	12.078
2480	500 kbps	39	LE	9.31	8.531
2402	1 Mbps	0	LE	13.14	20.606
2440	1 Mbps	19	LE	13.12	20.512
2480	1 Mbps	39	LE	12.25	16.788
2402	2 Mbps	0	LE	12.13	16.331
2440	2 Mbps	19	LE	12.17	16.482
2480	2 Mbps	39	LE	11.44	13.932

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 10-232
Bluetooth LE Measured P_{Limit} Peak RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – Ant F

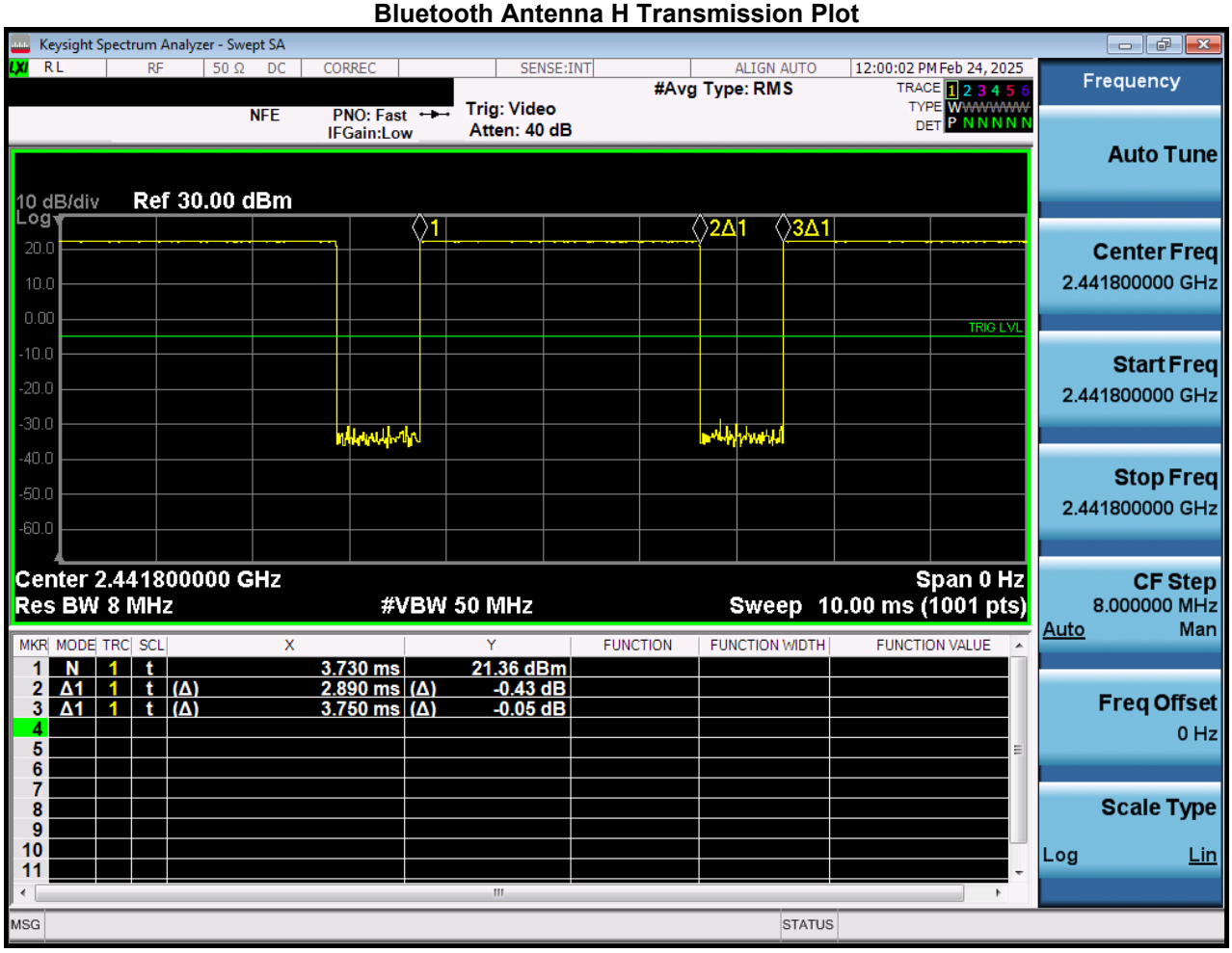
Frequency [MHz]	Data Rate [Mbps]	Channel No.	Bluetooth Mode	Peak Conducted Power	
				[dBm]	[mW]
2402	125 kbps	0	LE	11.33	13.583
2440	125 kbps	19	LE	11.42	13.868
2480	125 kbps	39	LE	10.82	12.078
2402	500 kbps	0	LE	11.46	13.996
2440	500 kbps	19	LE	11.62	14.521
2480	500 kbps	39	LE	10.88	12.246
2402	1 Mbps	0	LE	14.66	29.242
2440	1 Mbps	19	LE	14.55	28.510
2480	1 Mbps	39	LE	13.93	24.717
2402	2 Mbps	0	LE	13.22	20.989
2440	2 Mbps	19	LE	13.19	20.845
2480	2 Mbps	39	LE	12.68	18.535

Table 10-233
Bluetooth LE Measured P_{Limit} Peak RF Power for DSI = 0 (F/O Body) and/or DSI = 4 (F/O Grip) – MIMO

Frequency [MHz]	Data Rate [Mbps]	Mod.	Power Scheme	Channel No.	Bluetooth Mode	ANT1 Peak Conducted Power		ANT2 Peak Conducted Power		Dual Peak Conducted Power	
						[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]
2402	1 Mbps	GFSK	ePA	0	LE	13.26	21.184	14.53	28.379	16.95	49.563
2440	1 Mbps	GFSK	ePA	19	LE	13.09	20.370	14.21	26.363	16.70	46.734
2480	1 Mbps	GFSK	ePA	39	LE	12.38	17.298	13.69	23.388	16.09	40.687
2402	2 Mbps	GFSK	iPA	0	LE	12.25	16.788	13.45	22.131	15.90	38.919
2440	2 Mbps	GFSK	iPA	19	LE	12.16	16.444	13.31	21.429	15.78	37.873
2480	2 Mbps	GFSK	iPA	39	LE	11.33	13.583	12.64	18.365	15.04	31.949

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Figure 10-8
Bluetooth Antenna H Transmission Plot

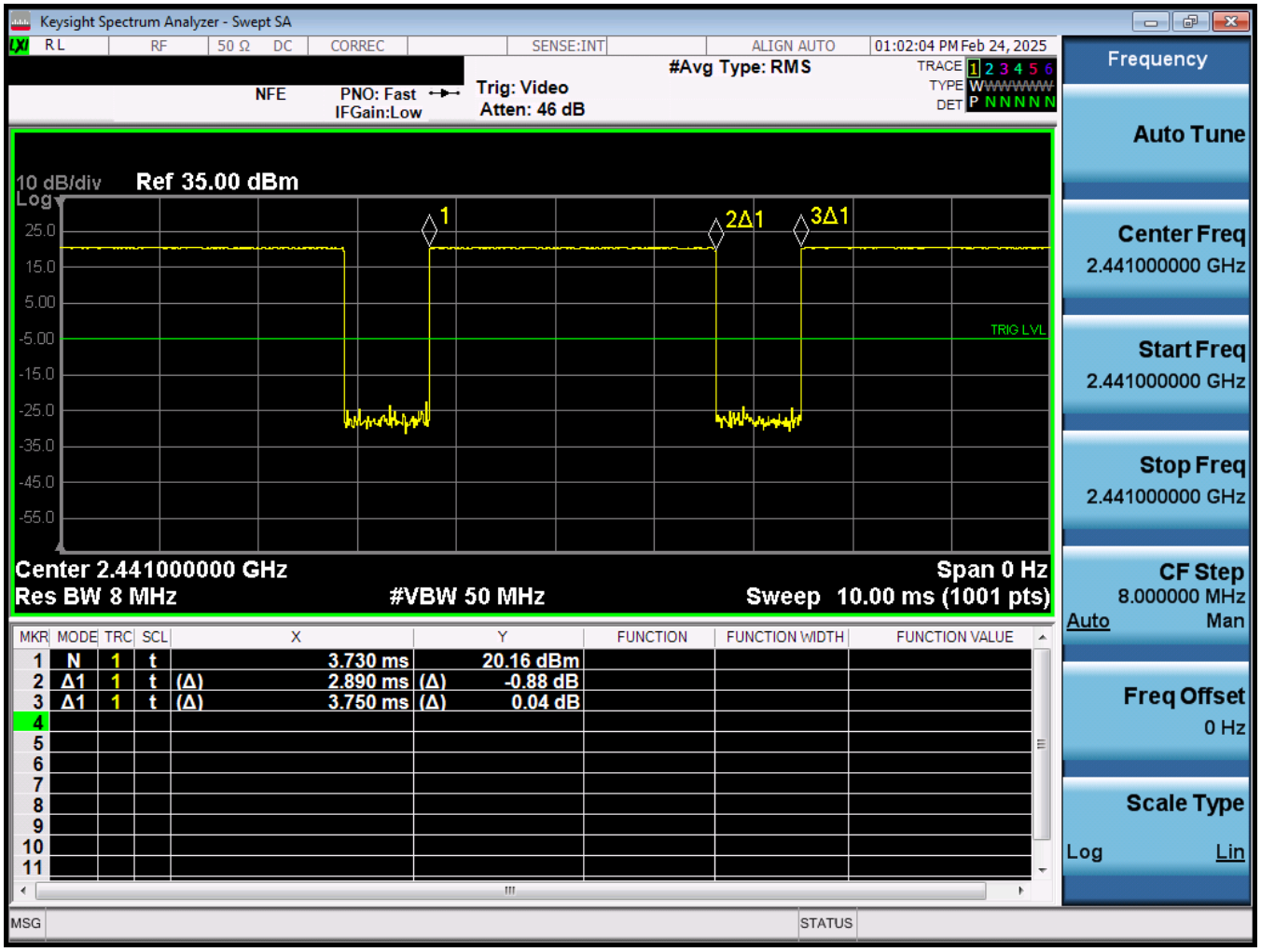


Equation 10-1
Bluetooth Antenna H Duty Cycle Calculation

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.89ms}{3.75ms} * 100\% = 77.06\%$$

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Figure 10-9
Bluetooth Antenna F Transmission Plot

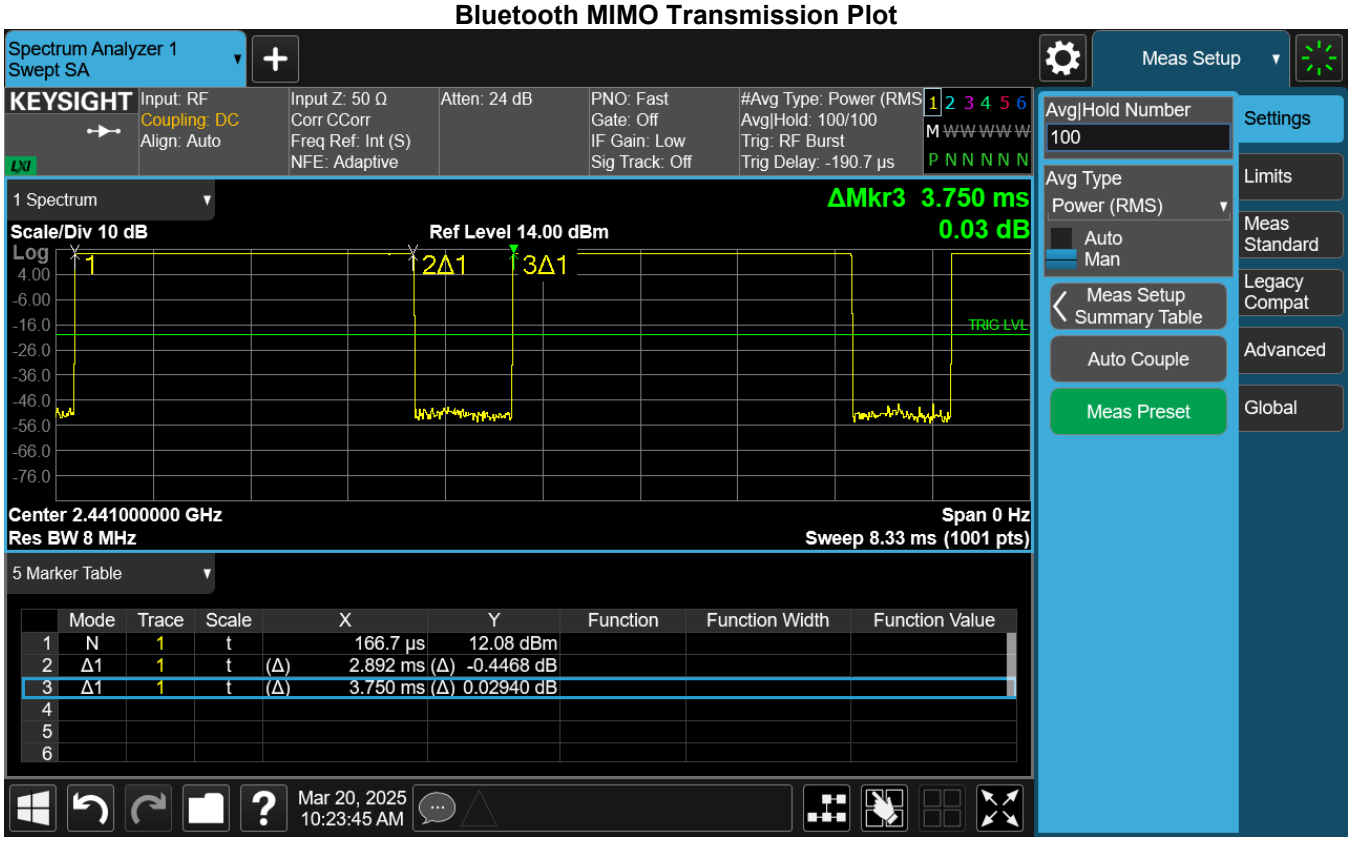


Equation 10-2
Bluetooth Antenna F Duty Cycle Calculation

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.89ms}{3.75ms} * 100\% = 77.06\%$$

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Figure 10-10
Bluetooth MIMO Transmission Plot

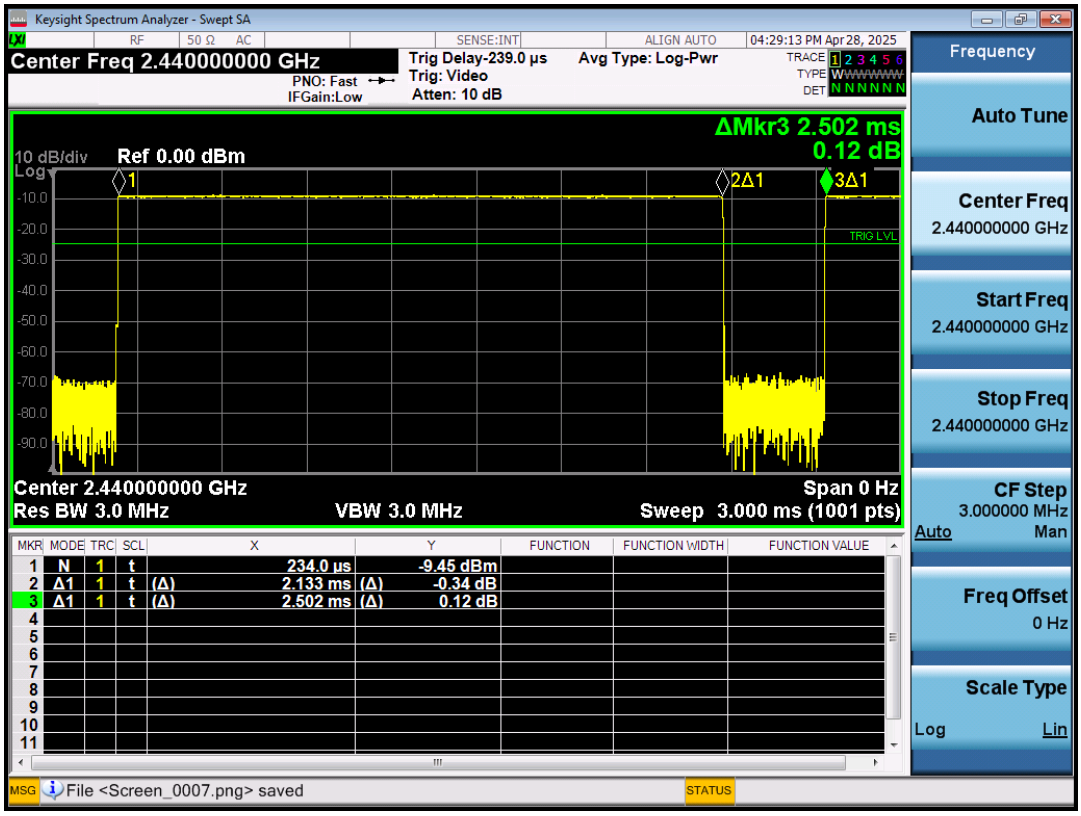


Equation 10-3
Bluetooth MIMO Duty Cycle Calculation

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.892ms}{3.75ms} * 100\% = 77.12\%$$

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Figure 10-11
Bluetooth LE Antenna H Transmission Plot

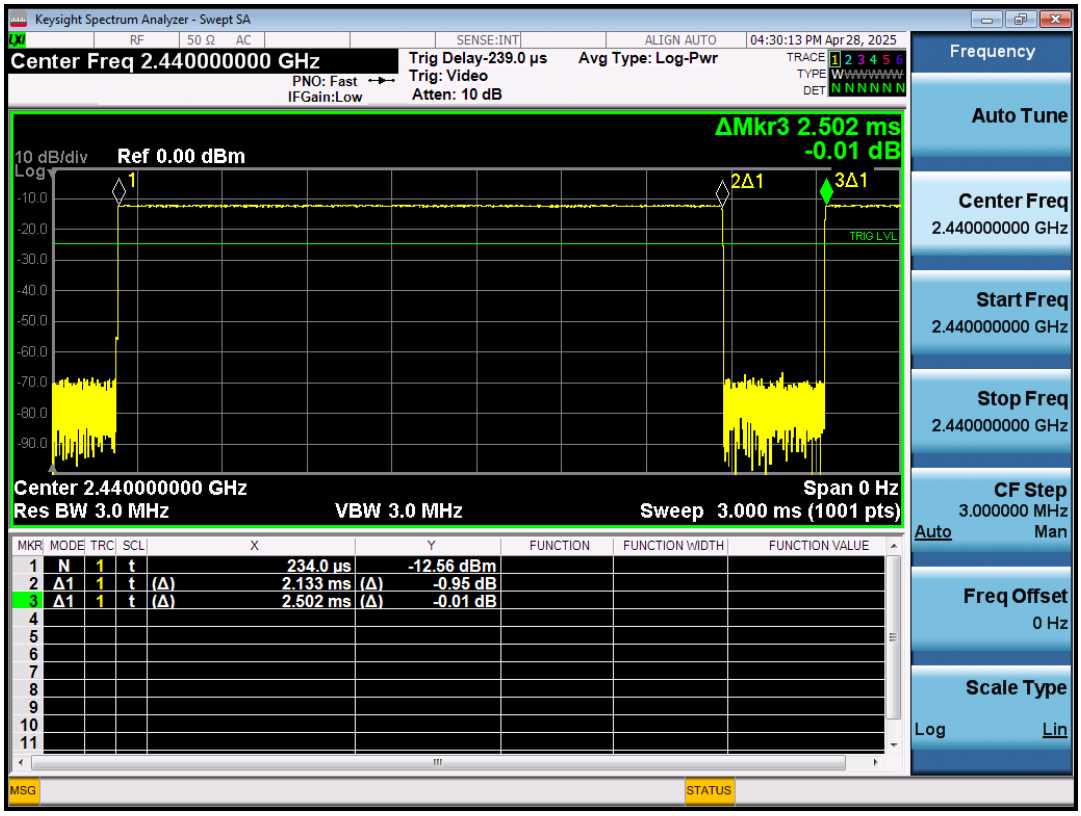


Equation 10-4
Bluetooth LE Antenna H Duty Cycle Calculation

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.133ms}{2.502ms} * 100\% = 85.25\%$$

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Figure 10-12
Bluetooth LE Antenna F Transmission Plot

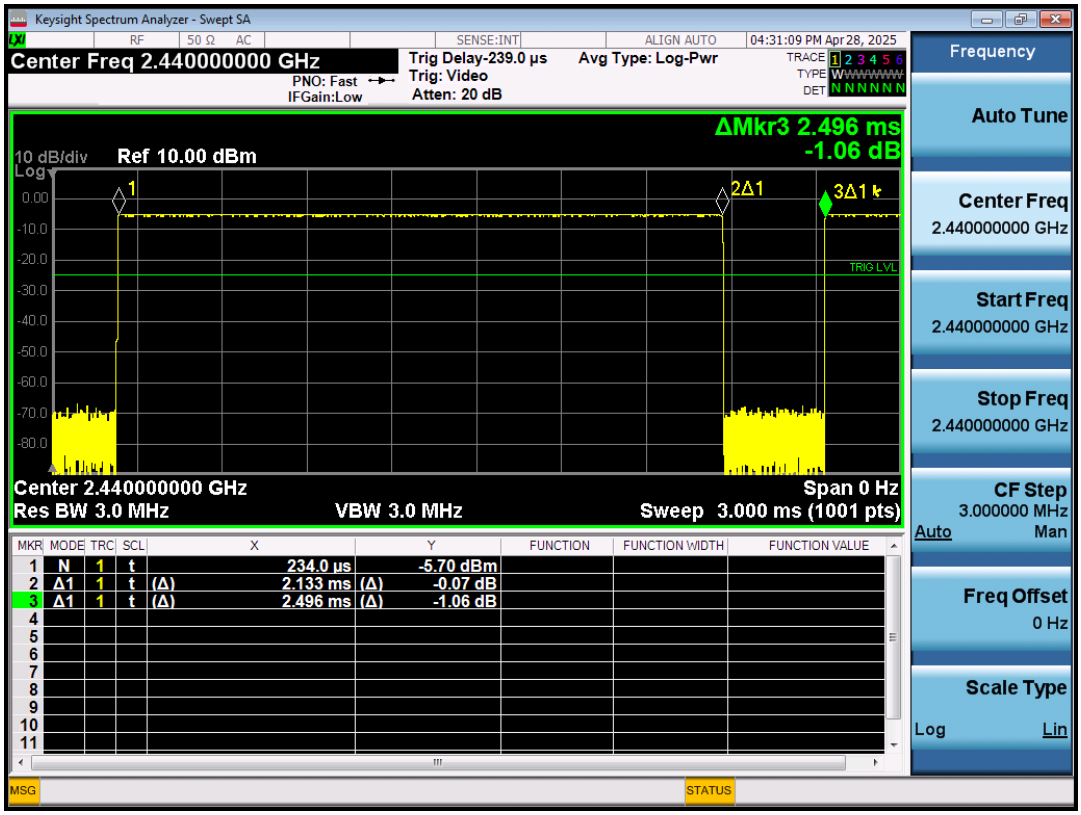


Equation 10-5
Bluetooth LE Antenna F Duty Cycle Calculation

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.133ms}{2.502ms} * 100\% = 85.25\%$$

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Figure 10-13
Bluetooth LE MIMO Transmission Plot



Equation 10-6
Bluetooth LE MIMO Duty Cycle Calculation

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.133ms}{2.496ms} * 100\% = 85.46\%$$

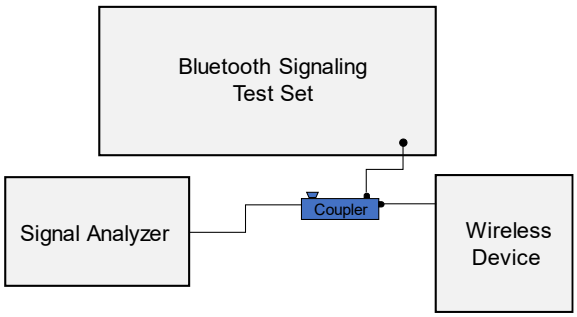


Figure 10-14
Power Measurement Setup

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

11 SYSTEM VERIFICATION

11.1 Tissue Verification

Table 11-1
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (˚C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
03/17/2025	30 Head	22.4	12	0.787	53.043	0.750	55.000	4.93%	-3.56%
			13	0.787	53.509	0.750	55.000	4.93%	-2.71%
			14	0.787	53.764	0.750	55.000	4.93%	-2.25%
03/05/2025	750 Head	22.1	680	0.868	40.239	0.888	42.305	-2.25%	-4.88%
			695	0.872	40.179	0.889	42.227	-1.91%	-4.85%
			710	0.877	40.114	0.890	42.149	-1.46%	-4.83%
			725	0.882	40.060	0.891	42.071	-1.01%	-4.78%
			750	0.890	39.990	0.894	41.942	-0.45%	-4.65%
			770	0.897	39.940	0.895	41.838	0.22%	-4.54%
			785	0.902	39.898	0.896	41.760	0.67%	-4.46%
			800	0.908	39.859	0.897	41.682	1.23%	-4.37%
03/10/2025	750 Head	22.0	680	0.868	40.494	0.888	42.305	-2.25%	-4.28%
			695	0.874	40.423	0.889	42.227	-1.69%	-4.27%
			710	0.879	40.370	0.890	42.149	-1.24%	-4.22%
			725	0.884	40.318	0.891	42.071	-0.79%	-4.17%
			750	0.893	40.254	0.894	41.942	-0.11%	-4.02%
			770	0.900	40.184	0.895	41.838	0.56%	-3.95%
			785	0.905	40.130	0.896	41.760	1.00%	-3.90%
			800	0.910	40.075	0.897	41.682	1.45%	-3.86%
03/12/2025	750 Head	22.0	680	0.866	42.728	0.888	42.305	-2.48%	1.00%
			695	0.871	42.691	0.889	42.227	-2.02%	1.10%
			710	0.876	42.651	0.890	42.149	-1.57%	1.19%
			725	0.881	42.612	0.891	42.071	-1.12%	1.29%
			750	0.889	42.531	0.894	41.942	-0.56%	1.40%
			770	0.896	42.470	0.895	41.838	0.11%	1.51%
			785	0.901	42.431	0.896	41.760	0.56%	1.61%
			800	0.905	42.389	0.897	41.682	0.89%	1.70%
03/12/2025	750 Head	21.6	680	0.869	41.259	0.888	42.305	-2.14%	-2.47%
			695	0.874	41.219	0.889	42.227	-1.69%	-2.39%
			710	0.880	41.180	0.890	42.149	-1.12%	-2.30%
			725	0.885	41.147	0.891	42.071	-0.67%	-2.20%
			750	0.894	41.073	0.894	41.942	0.00%	-2.07%
			770	0.902	40.989	0.895	41.838	0.78%	-2.03%
			785	0.908	40.930	0.896	41.760	1.34%	-1.99%
			800	0.913	40.885	0.897	41.682	1.78%	-1.91%
03/19/2025	750 Head	22.2	680	0.884	42.810	0.888	42.305	-0.45%	1.19%
			695	0.890	42.794	0.889	42.227	0.11%	1.34%
			710	0.897	42.779	0.890	42.149	0.79%	1.49%
			725	0.903	42.761	0.891	42.071	1.35%	1.64%
			750	0.915	42.730	0.894	41.942	2.35%	1.88%
			770	0.924	42.708	0.895	41.838	3.24%	2.08%
			785	0.931	42.696	0.896	41.760	3.91%	2.24%
			800	0.938	42.681	0.897	41.682	4.57%	2.40%
04/07/2025	750 Head	22.2	680	0.889	40.611	0.888	42.305	0.11%	-4.00%
			695	0.894	40.580	0.889	42.227	0.56%	-3.90%
			710	0.898	40.539	0.890	42.149	0.90%	-3.82%
			725	0.902	40.491	0.891	42.071	1.23%	-3.76%
			750	0.908	40.406	0.894	41.942	1.57%	-3.66%
			770	0.913	40.352	0.895	41.838	2.01%	-3.55%
			785	0.918	40.331	0.896	41.760	2.46%	-3.42%
			800	0.923	40.318	0.897	41.682	2.90%	-3.27%
04/08/2025	750 Head	19.0	680	0.845	41.315	0.888	42.305	-4.84%	-2.34%
			695	0.851	41.278	0.889	42.227	-4.27%	-2.25%
			700	0.853	41.270	0.889	42.201	-4.05%	-2.21%
			710	0.856	41.240	0.890	42.149	-3.82%	-2.16%
			725	0.861	41.179	0.891	42.071	-3.37%	-2.12%
			750	0.869	41.081	0.894	41.942	-2.80%	-2.05%
			770	0.876	41.013	0.895	41.838	-2.12%	-1.97%
			785	0.883	40.977	0.896	41.760	-1.45%	-1.88%
			800	0.890	40.946	0.897	41.682	-0.78%	-1.77%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-2
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (˚C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
02/26/2025	835 Head	20.9	815	0.915	41.111	0.898	41.594	1.89%	-1.16%
			820	0.916	41.094	0.899	41.578	1.89%	-1.16%
			835	0.922	41.054	0.900	41.500	2.44%	-1.07%
			850	0.928	41.019	0.916	41.500	1.31%	-1.16%
03/03/2025	835 Head	19.5	815	0.880	41.601	0.898	41.594	-2.00%	0.02%
			820	0.882	41.591	0.899	41.578	-1.89%	0.03%
			835	0.888	41.556	0.900	41.500	-1.33%	0.13%
			850	0.894	41.510	0.916	41.500	-2.40%	0.02%
03/03/2025	835 Head	20.3	815	0.899	41.719	0.898	41.594	0.11%	0.30%
			820	0.901	41.710	0.899	41.578	0.22%	0.32%
			835	0.906	41.677	0.900	41.500	0.67%	0.43%
			850	0.912	41.635	0.916	41.500	-0.44%	0.33%
03/12/2025	835 Head	23.3	815	0.892	43.349	0.898	41.594	-0.67%	4.22%
			820	0.894	43.331	0.899	41.578	-0.56%	4.22%
			835	0.900	43.282	0.900	41.500	0.00%	4.29%
			850	0.905	43.238	0.916	41.500	-1.20%	4.19%
03/16/2025	835 Head	21.3	815	0.913	41.699	0.898	41.594	1.67%	0.25%
			820	0.914	41.685	0.899	41.578	1.67%	0.26%
			835	0.920	41.638	0.900	41.500	2.22%	0.33%
			850	0.925	41.590	0.916	41.500	0.98%	0.22%
03/17/2025	835 Head	21.6	815	0.911	42.113	0.898	41.594	1.45%	1.25%
			820	0.913	42.099	0.899	41.578	1.56%	1.25%
			835	0.920	42.059	0.900	41.500	2.22%	1.35%
			850	0.927	42.017	0.916	41.500	1.20%	1.25%
03/24/2025	835 Head	21.2	815	0.890	40.807	0.898	41.594	-0.89%	-1.89%
			820	0.892	40.785	0.899	41.578	-0.78%	-1.91%
			835	0.898	40.724	0.900	41.500	-0.22%	-1.87%
			850	0.903	40.675	0.916	41.500	-1.42%	-1.99%
04/07/2025	835 Head	23.2	815	0.935	41.910	0.898	41.594	4.12%	0.76%
			820	0.937	41.897	0.899	41.578	4.23%	0.77%
			835	0.942	41.845	0.900	41.500	4.67%	0.83%
			850	0.947	41.798	0.916	41.500	3.38%	0.72%
04/07/2025	835 Head	19.4	815	0.882	40.210	0.898	41.594	-1.78%	-3.33%
			820	0.886	40.143	0.899	41.578	-1.45%	-3.45%
			835	0.901	39.950	0.900	41.500	0.11%	-3.73%
			850	0.915	39.760	0.916	41.500	-0.11%	-4.19%
04/16/2025	835 Head	24.5	815	0.915	43.214	0.898	41.594	1.89%	3.89%
			820	0.916	43.199	0.899	41.578	1.89%	3.90%
			835	0.921	43.154	0.900	41.500	2.33%	3.99%
			850	0.925	43.119	0.916	41.500	0.98%	3.90%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-3
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (˚C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
03/31/2025	1640 Head	23.3	1610	1.285	38.585	1.290	40.300	-0.39%	-4.26%
			1620	1.290	38.574	1.296	40.284	-0.46%	-4.24%
			1640	1.301	38.543	1.307	40.253	-0.46%	-4.25%
			1650	1.307	38.525	1.313	40.237	-0.46%	-4.25%
02/20/2025	1750 Head	20.0	1700	1.296	41.186	1.343	40.145	-3.50%	2.59%
			1705	1.299	41.178	1.345	40.141	-3.42%	2.58%
			1710	1.302	41.168	1.348	40.136	-3.41%	2.57%
			1720	1.308	41.146	1.354	40.126	-3.40%	2.54%
			1745	1.324	41.099	1.368	40.087	-3.22%	2.52%
			1750	1.327	41.089	1.371	40.079	-3.21%	2.52%
			1770	1.338	41.050	1.383	40.047	-3.25%	2.50%
			1790	1.349	41.020	1.394	40.016	-3.23%	2.51%
03/05/2025	1750 Head	20.4	1700	1.336	40.991	1.343	40.145	-0.52%	2.11%
			1705	1.339	40.977	1.345	40.141	-0.45%	2.08%
			1710	1.342	40.964	1.348	40.136	-0.45%	2.06%
			1720	1.348	40.943	1.354	40.126	-0.44%	2.04%
			1745	1.365	40.910	1.368	40.087	-0.22%	2.05%
			1750	1.368	40.905	1.371	40.079	-0.22%	2.06%
			1770	1.379	40.877	1.383	40.047	-0.29%	2.07%
			1790	1.389	40.835	1.394	40.016	-0.36%	2.05%
03/07/2025	1750 Head	20.5	1700	1.313	39.297	1.343	40.145	-2.23%	-2.11%
			1705	1.316	39.289	1.345	40.141	-2.16%	-2.12%
			1710	1.319	39.279	1.348	40.136	-2.15%	-2.14%
			1720	1.324	39.255	1.354	40.126	-2.22%	-2.17%
			1745	1.339	39.191	1.368	40.087	-2.12%	-2.24%
			1750	1.341	39.181	1.371	40.079	-2.19%	-2.24%
			1770	1.352	39.152	1.383	40.047	-2.24%	-2.23%
			1790	1.364	39.135	1.394	40.016	-2.15%	-2.20%
03/12/2025	1750 Head	21.0	1700	1.295	38.625	1.343	40.145	-3.57%	-3.79%
			1705	1.298	38.618	1.345	40.141	-3.49%	-3.79%
			1710	1.301	38.610	1.348	40.136	-3.49%	-3.80%
			1720	1.307	38.592	1.354	40.126	-3.47%	-3.82%
			1745	1.322	38.543	1.368	40.087	-3.36%	-3.85%
			1750	1.325	38.532	1.371	40.079	-3.36%	-3.86%
			1770	1.336	38.501	1.383	40.047	-3.40%	-3.86%
			1790	1.346	38.473	1.394	40.016	-3.44%	-3.86%
03/12/2025	1750 Head	21.8	1700	1.313	40.340	1.343	40.145	-2.23%	0.49%
			1705	1.316	40.334	1.345	40.141	-2.16%	0.48%
			1710	1.319	40.325	1.348	40.136	-2.15%	0.47%
			1720	1.326	40.307	1.354	40.126	-2.07%	0.45%
			1745	1.342	40.261	1.368	40.087	-1.90%	0.43%
			1750	1.345	40.251	1.371	40.079	-1.90%	0.43%
			1770	1.357	40.209	1.383	40.047	-1.88%	0.40%
			1790	1.369	40.170	1.394	40.016	-1.79%	0.38%
03/23/2025	1750 Head	20.8	1700	1.284	41.456	1.343	40.145	-4.39%	3.27%
			1705	1.287	41.449	1.345	40.141	-4.31%	3.26%
			1710	1.290	41.440	1.348	40.136	-4.30%	3.25%
			1720	1.297	41.420	1.354	40.126	-4.21%	3.22%
			1745	1.313	41.373	1.368	40.087	-4.02%	3.21%
			1750	1.315	41.363	1.371	40.079	-4.08%	3.20%
			1770	1.328	41.326	1.383	40.047	-3.98%	3.19%
			1790	1.340	41.289	1.394	40.016	-3.87%	3.18%
03/26/2025	1750 Head	21.0	1700	1.310	38.976	1.343	40.145	-2.46%	-2.91%
			1705	1.312	38.970	1.345	40.141	-2.45%	-2.92%
			1710	1.314	38.964	1.348	40.136	-2.52%	-2.92%
			1720	1.319	38.951	1.354	40.126	-2.58%	-2.93%
			1745	1.333	38.896	1.368	40.087	-2.56%	-2.97%
			1750	1.336	38.883	1.371	40.079	-2.55%	-2.98%
			1770	1.348	38.842	1.383	40.047	-2.53%	-3.01%
			1790	1.359	38.822	1.394	40.016	-2.51%	-2.98%
04/02/2025	1750 Head	20.7	1700	1.304	39.688	1.343	40.145	-2.90%	-1.14%
			1705	1.307	39.682	1.345	40.141	-2.83%	-1.14%
			1710	1.310	39.671	1.348	40.136	-2.82%	-1.16%
			1720	1.315	39.653	1.354	40.126	-2.88%	-1.18%
			1745	1.329	39.587	1.368	40.087	-2.85%	-1.25%
			1750	1.332	39.575	1.371	40.079	-2.84%	-1.26%
			1770	1.344	39.544	1.383	40.047	-2.82%	-1.26%
			1790	1.355	39.512	1.394	40.016	-2.80%	-1.26%
04/07/2025	1750 Head	22.5	1700	1.330	40.005	1.343	40.145	-0.97%	-0.35%
			1705	1.333	39.999	1.345	40.141	-0.89%	-0.35%
			1710	1.336	39.993	1.348	40.136	-0.89%	-0.36%
			1720	1.342	39.976	1.354	40.126	-0.89%	-0.37%
			1745	1.357	39.930	1.368	40.087	-0.80%	-0.39%
			1750	1.360	39.921	1.371	40.079	-0.80%	-0.39%
			1770	1.372	39.888	1.383	40.047	-0.80%	-0.40%
			1790	1.383	39.862	1.394	40.016	-0.79%	-0.38%
04/14/2025	1750 Head	22.0	1700	1.306	41.112	1.343	40.145	-2.76%	2.41%
			1705	1.309	41.104	1.345	40.141	-2.68%	2.40%
			1710	1.312	41.092	1.348	40.136	-2.67%	2.38%
			1720	1.319	41.069	1.354	40.126	-2.58%	2.35%
			1745	1.333	41.044	1.368	40.087	-2.56%	2.39%
			1750	1.335	41.038	1.371	40.079	-2.63%	2.39%
			1770	1.346	40.996	1.383	40.047	-2.68%	2.37%
			1790	1.356	40.977	1.394	40.016	-2.73%	2.40%
04/16/2025	1750 Head	22.3	1700	1.290	38.482	1.343	40.145	-3.95%	-4.14%
			1705	1.292	38.473	1.345	40.141	-3.94%	-4.16%
			1710	1.295	38.467	1.348	40.136	-3.93%	-4.16%
			1720	1.300	38.452	1.354	40.126	-3.99%	-4.17%
			1745	1.315	38.428	1.368	40.087	-3.87%	-4.14%
			1750	1.319	38.424	1.371	40.079	-3.79%	-4.13%
			1770	1.331	38.406	1.383	40.047	-3.76%	-4.10%
			1790	1.341	38.375	1.394	40.016	-3.80%	-4.10%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-4
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (˚C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
02/19/2025	1900 Head	21.1	1850	1.388	39.509	1.400	40.000	-0.86%	-1.23%
			1860	1.395	39.489	1.400	40.000	-0.36%	-1.28%
			1880	1.407	39.481	1.400	40.000	0.50%	-1.30%
			1900	1.419	39.478	1.400	40.000	1.36%	-1.31%
			1905	1.422	39.475	1.400	40.000	1.57%	-1.31%
			1910	1.424	39.471	1.400	40.000	1.71%	-1.32%
			1920	1.430	39.459	1.400	40.000	2.14%	-1.35%
02/25/2025	1900 Head	25.0	1850	1.391	41.914	1.400	40.000	-0.64%	4.79%
			1860	1.398	41.889	1.400	40.000	-0.14%	4.72%
			1880	1.413	41.815	1.400	40.000	0.93%	4.54%
			1900	1.431	41.751	1.400	40.000	2.21%	4.38%
			1905	1.435	41.740	1.400	40.000	2.50%	4.35%
			1910	1.440	41.733	1.400	40.000	2.86%	4.33%
			1920	1.448	41.722	1.400	40.000	3.43%	4.31%
03/05/2025	1900 Head	20.4	1850	1.426	40.728	1.400	40.000	1.86%	1.82%
			1860	1.432	40.715	1.400	40.000	2.29%	1.79%
			1880	1.443	40.680	1.400	40.000	3.07%	1.70%
			1900	1.454	40.637	1.400	40.000	3.86%	1.59%
			1905	1.457	40.625	1.400	40.000	4.07%	1.56%
			1910	1.460	40.615	1.400	40.000	4.29%	1.54%
			1920	1.466	40.599	1.400	40.000	4.71%	1.50%
03/07/2025	1900 Head	20.5	1850	1.399	39.036	1.400	40.000	-0.07%	-2.41%
			1860	1.405	39.014	1.400	40.000	0.36%	-2.46%
			1880	1.417	38.985	1.400	40.000	1.21%	-2.54%
			1900	1.430	38.965	1.400	40.000	2.14%	-2.59%
			1905	1.433	38.959	1.400	40.000	2.36%	-2.60%
			1910	1.436	38.958	1.400	40.000	2.57%	-2.61%
			1920	1.442	38.946	1.400	40.000	3.00%	-2.64%
03/10/2025	1900 Head	19.7	1850	1.370	39.337	1.400	40.000	-2.14%	-1.66%
			1860	1.376	39.321	1.400	40.000	-1.71%	-1.70%
			1880	1.389	39.298	1.400	40.000	-0.79%	-1.76%
			1900	1.402	39.273	1.400	40.000	0.14%	-1.82%
			1905	1.405	39.263	1.400	40.000	0.36%	-1.84%
			1910	1.408	39.254	1.400	40.000	0.57%	-1.87%
			1920	1.414	39.239	1.400	40.000	1.00%	-1.90%
03/10/2025	1900 Head	21.3	1850	1.410	40.698	1.400	40.000	0.71%	1.75%
			1860	1.416	40.678	1.400	40.000	1.14%	1.69%
			1880	1.429	40.662	1.400	40.000	2.07%	1.66%
			1900	1.443	40.644	1.400	40.000	3.07%	1.61%
			1905	1.446	40.638	1.400	40.000	3.29%	1.60%
			1910	1.450	40.632	1.400	40.000	3.57%	1.58%
			1920	1.457	40.624	1.400	40.000	4.07%	1.56%
03/19/2025	1900 Head	19.7	1850	1.419	40.233	1.400	40.000	1.36%	0.58%
			1860	1.425	40.218	1.400	40.000	1.79%	0.55%
			1880	1.438	40.187	1.400	40.000	2.71%	0.47%
			1900	1.451	40.155	1.400	40.000	3.64%	0.39%
			1905	1.455	40.147	1.400	40.000	3.93%	0.37%
			1910	1.458	40.140	1.400	40.000	4.14%	0.35%
			1920	1.465	40.124	1.400	40.000	4.64%	0.31%
03/23/2025	1900 Head	20.8	1850	1.375	41.180	1.400	40.000	-1.79%	2.95%
			1860	1.380	41.163	1.400	40.000	-1.43%	2.91%
			1880	1.392	41.138	1.400	40.000	-0.57%	2.85%
			1900	1.404	41.113	1.400	40.000	0.29%	2.78%
			1905	1.407	41.107	1.400	40.000	0.50%	2.77%
			1910	1.410	41.101	1.400	40.000	0.71%	2.75%
			1920	1.416	41.089	1.400	40.000	1.14%	2.72%
03/26/2025	1900 Head	19.4	1850	1.382	39.790	1.400	40.000	-1.29%	-0.53%
			1860	1.388	39.770	1.400	40.000	-0.86%	-0.57%
			1880	1.401	39.740	1.400	40.000	0.07%	-0.65%
			1900	1.413	39.705	1.400	40.000	0.93%	-0.74%
			1905	1.416	39.694	1.400	40.000	1.14%	-0.76%
			1910	1.419	39.683	1.400	40.000	1.36%	-0.79%
			1920	1.425	39.663	1.400	40.000	1.79%	-0.84%
04/07/2025	1900 Head	22.5	1850	1.415	39.754	1.400	40.000	1.07%	-0.62%
			1860	1.421	39.738	1.400	40.000	1.50%	-0.66%
			1880	1.434	39.716	1.400	40.000	2.43%	-0.71%
			1900	1.446	39.699	1.400	40.000	3.29%	-0.75%
			1905	1.449	39.694	1.400	40.000	3.50%	-0.76%
			1910	1.452	39.687	1.400	40.000	3.71%	-0.78%
			1920	1.458	39.671	1.400	40.000	4.14%	-0.82%
04/16/2025	1900 Head	22.3	1850	1.374	38.263	1.400	40.000	-1.86%	-4.34%
			1860	1.380	38.256	1.400	40.000	-1.43%	-4.36%
			1880	1.392	38.246	1.400	40.000	-0.57%	-4.38%
			1900	1.402	38.222	1.400	40.000	0.14%	-4.45%
			1905	1.404	38.213	1.400	40.000	0.29%	-4.47%
			1910	1.407	38.201	1.400	40.000	0.50%	-4.50%
			1920	1.412	38.177	1.400	40.000	0.86%	-4.56%
04/23/2025	1900 Head	24.0	1850	1.434	40.642	1.400	40.000	2.43%	1.61%
			1860	1.440	40.631	1.400	40.000	2.86%	1.58%
			1880	1.451	40.615	1.400	40.000	3.64%	1.54%
			1900	1.462	40.590	1.400	40.000	4.43%	1.48%
			1905	1.465	40.583	1.400	40.000	4.64%	1.46%
			1910	1.468	40.576	1.400	40.000	4.86%	1.44%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-5
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
03/05/2025	2450 Head	23.6	2300	1.587	39.124	1.670	39.500	-4.97%	-0.95%
			2310	1.598	39.060	1.679	39.480	-4.82%	-0.99%
			2320	1.609	39.053	1.687	39.460	-4.62%	-1.03%
			2400	1.694	38.775	1.756	39.289	-3.53%	-1.31%
			2450	1.748	38.599	1.800	39.200	-2.89%	-1.53%
			2480	1.779	38.474	1.833	39.162	-2.95%	-1.76%
			2500	1.801	38.402	1.855	39.136	-2.91%	-1.88%
			2510	1.812	38.365	1.866	39.123	-2.89%	-1.94%
			2535	1.840	38.277	1.893	39.092	-2.80%	-2.08%
			2550	1.857	38.225	1.909	39.073	-2.72%	-2.17%
			2560	1.868	38.190	1.920	39.060	-2.71%	-2.23%
			2600	1.911	38.039	1.964	39.009	-2.70%	-2.49%
			2650	1.968	37.850	2.018	38.945	-2.48%	-2.81%
			2680	2.001	37.738	2.051	38.907	-2.44%	-3.00%
			2700	2.023	37.667	2.073	38.882	-2.41%	-3.12%
03/07/2025	2450 Head	21.5	2300	1.690	38.252	1.670	39.500	1.20%	-3.16%
			2310	1.697	38.231	1.679	39.480	1.07%	-3.16%
			2320	1.704	38.215	1.687	39.460	1.01%	-3.16%
			2400	1.763	38.069	1.756	39.289	0.40%	-3.11%
			2450	1.800	37.956	1.800	39.200	0.00%	-3.17%
			2480	1.821	37.889	1.833	39.162	-0.65%	-3.25%
			2500	1.835	37.855	1.855	39.136	-1.08%	-3.27%
			2510	1.843	37.838	1.866	39.123	-1.23%	-3.28%
			2535	1.863	37.780	1.893	39.092	-1.58%	-3.36%
			2550	1.876	37.743	1.909	39.073	-1.73%	-3.40%
			2560	1.884	37.724	1.920	39.060	-1.88%	-3.42%
			2600	1.916	37.654	1.964	39.009	-2.44%	-3.47%
			2650	1.959	37.550	2.018	38.945	-2.92%	-3.58%
			2680	1.982	37.489	2.051	38.907	-3.36%	-3.64%
			2700	1.998	37.453	2.073	38.882	-3.62%	-3.68%
03/10/2025	2450 Head	20.8	2300	1.693	41.295	1.670	39.500	1.38%	4.54%
			2310	1.701	41.279	1.679	39.480	1.31%	4.56%
			2320	1.709	41.269	1.687	39.460	1.30%	4.58%
			2400	1.773	41.169	1.756	39.289	0.97%	4.79%
			2450	1.812	41.087	1.800	39.200	0.67%	4.81%
			2480	1.837	41.040	1.833	39.162	0.22%	4.80%
			2500	1.853	41.001	1.855	39.136	-0.11%	4.77%
			2510	1.861	40.983	1.866	39.123	-0.27%	4.75%
			2535	1.882	40.940	1.893	39.092	-0.58%	4.73%
			2550	1.895	40.915	1.909	39.073	-0.73%	4.71%
			2560	1.903	40.899	1.920	39.060	-0.89%	4.71%
			2600	1.935	40.833	1.964	39.009	-1.48%	4.68%
			2650	1.976	40.743	2.018	38.945	-2.08%	4.62%
			2680	2.001	40.692	2.051	38.907	-2.44%	4.59%
			2700	2.017	40.665	2.073	38.882	-2.70%	4.59%
03/12/2025	2450 Head	22.9	2300	1.713	41.303	1.670	39.500	2.57%	4.56%
			2310	1.721	41.291	1.679	39.480	2.50%	4.59%
			2320	1.728	41.279	1.687	39.460	2.43%	4.61%
			2400	1.790	41.153	1.756	39.289	1.94%	4.74%
			2450	1.829	41.067	1.800	39.200	1.61%	4.76%
			2480	1.852	41.025	1.833	39.162	1.04%	4.76%
			2500	1.866	41.005	1.855	39.136	0.59%	4.78%
			2510	1.874	40.993	1.866	39.123	0.43%	4.78%
			2535	1.892	40.943	1.893	39.092	-0.05%	4.73%
			2550	1.904	40.911	1.909	39.073	-0.26%	4.70%
			2560	1.913	40.889	1.920	39.060	-0.36%	4.68%
			2600	1.946	40.839	1.964	39.009	-0.92%	4.69%
			2650	1.984	40.740	2.018	38.945	-1.68%	4.61%
			2680	2.010	40.686	2.051	38.907	-2.00%	4.57%
			2700	2.026	40.658	2.073	38.882	-2.27%	4.57%
03/12/2025	2450 Head	24.4	2300	1.658	38.750	1.670	39.500	-0.72%	-1.90%
			2310	1.670	38.715	1.679	39.480	-0.54%	-1.94%
			2320	1.681	38.677	1.687	39.460	-0.36%	-1.98%
			2400	1.770	38.368	1.756	39.289	0.80%	-2.34%
			2450	1.829	38.182	1.800	39.200	1.61%	-2.60%
			2480	1.860	38.062	1.833	39.162	1.47%	-2.81%
			2500	1.882	37.984	1.855	39.136	1.46%	-2.94%
			2510	1.894	37.944	1.866	39.123	1.50%	-3.01%
			2535	1.923	37.848	1.893	39.092	1.58%	-3.18%
			2550	1.941	37.790	1.909	39.073	1.68%	-3.28%
			2560	1.953	37.750	1.920	39.060	1.72%	-3.35%
			2600	2.000	37.584	1.964	39.009	1.83%	-3.65%
			2650	2.057	37.376	2.018	38.945	1.93%	-4.03%
			2680	2.091	37.252	2.051	38.907	1.95%	-4.25%
			2700	2.112	37.170	2.073	38.882	1.88%	-4.40%
03/12/2025	2450 Head	21.3	2300	1.677	38.117	1.670	39.500	0.42%	-3.50%
			2310	1.684	38.098	1.679	39.480	0.30%	-3.50%
			2320	1.692	38.080	1.687	39.460	0.30%	-3.50%
			2400	1.751	37.955	1.756	39.289	-0.28%	-3.40%
			2450	1.789	37.866	1.800	39.200	-0.61%	-3.40%
			2480	1.810	37.822	1.833	39.162	-1.25%	-3.42%
			2500	1.824	37.782	1.855	39.136	-1.67%	-3.46%
			2510	1.831	37.763	1.866	39.123	-1.88%	-3.48%
			2535	1.851	37.722	1.893	39.092	-2.22%	-3.50%
			2550	1.863	37.703	1.909	39.073	-2.41%	-3.51%
			2560	1.870	37.691	1.920	39.060	-2.60%	-3.50%
			2600	1.899	37.633	1.964	39.009	-3.31%	-3.53%
			2650	1.938	37.561	2.018	38.945	-3.96%	-3.55%
			2680	1.960	37.522	2.051	38.907	-4.44%	-3.56%
			2700	1.976	37.488	2.073	38.882	-4.68%	-3.59%
03/13/2025	2450 Head	20.0	2300	1.704	38.606	1.670	39.500	2.04%	-2.26%
			2310	1.711	38.589	1.679	39.480	1.91%	-2.26%
			2320	1.719	38.570	1.687	39.460	1.90%	-2.26%
			2400	1.782	38.429	1.756	39.289	1.48%	-2.19%
			2450	1.821	38.329	1.800	39.200	1.17%	-2.22%
			2480	1.844	38.269	1.833	39.162	0.60%	-2.28%
			2500	1.860	38.222	1.855	39.136	0.27%	-2.34%
			2510	1.868	38.199	1.866	39.123	0.11%	-2.36%
			2535	1.887	38.150	1.893	39.092	-0.32%	-2.41%
			2550	1.899	38.124	1.909	39.073	-0.52%	-2.43%
			2560	1.907	38.108	1.920	39.060	-0.68%	-2.44%
			2600	1.938	38.036	1.964	39.009	-1.32%	-2.49%
			2650	1.977	37.951	2.018	38.945	-2.03%	-2.55%
			2680	2.000	37.899	2.051	38.907	-2.49%	-2.59%
			2700	2.014	37.862	2.073	38.882	-2.85%	-2.62%
03/17/2025	2450 Head	20.0	2300	1.712	38.325	1.670	39.500	2.51%	-2.97%
			2310	1.720	38.315	1.679	39.480	2.44%	-2.95%
			2320	1.727	38.301	1.687	39.460	2.37%	-2.94%
			2400	1.788	38.164	1.756	39.289	1.82%	-2.86%
			2450	1.825	38.093	1.800	39.200	1.39%	-2.82%
			2480	1.848	38.031	1.833	39.162	0.82%	-2.89%
			2500	1.866	38.006	1.855	39.136	0.59%	-2.89%
			2510	1.875	37.995	1.866	39.123	0.48%	-2.88%
			2535	1.895	37.960	1.893	39.092	0.11%	-2.90%
			2550	1.906	37.936	1.909	39.073	-0.16%	-2.91%
			2560	1.913	37.914	1.920	39.060	-0.36%	-2.93%
			2600	1.948	37.836	1.964	39.009	-0.81%	-3.01%
			2650	1.990	37.755	2.018	38.945	-1.39%	-3.06%
			2680	2.013	37.698	2.051	38.907	-1.85%	-3.11%
			2700	2.030	37.655	2.073	38.882	-2.07%	-3.16%
03/17/2025	2450 Head	21.8	2300	1.685	39.759	1.670	39.500	0.90%	0.66%
			2310	1.693	39.751	1.679	39.480	0.83%	0.69%
			2320	1.700	39.740	1.687	39.460	0.77%	0.71%
			2400	1.764	39.626	1.756	39.289	0.46%	0.86%
			2450	1.798	39.550	1.800	39.200	-0.11%	0.89%
			2480	1.824	39.494	1.833	39.162	-0.49%	0.85%
			2500	1.841	39.475	1.855	39.136	-0.75%	0.87%
			2510	1.848	39.466	1.866	39.123	-0.96%	0.88%
			2535	1.863	39.426	1.893	39.092	-1.58%	0.85%
			2550	1.873	39.389	1.909	39.073	-1.89%	0.81%
			2560	1.880	39.363	1.920	39.060	-2.08%	0.78%
			2600	1.918	39.300	1.964	39.009	-2.34%	0.75%
			2650	1.951	39.222	2.018	38.945	-3.32%	0.71%
			2680	1.975	39.152	2.051	38.907	-3.71%	0.63%
			2700	1.998	39.126	2.073	38.882	-3.62%	0.63%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-6
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
03/19/2025	2450 Head	24.0	2300	1.666	39.913	1.670	39.500	-0.24%	-1.23%
			2310	1.678	38.974	1.679	39.480	-0.06%	-1.28%
			2320	1.689	38.934	1.687	39.460	0.12%	-1.33%
			2400	1.778	38.611	1.756	39.289	1.25%	-1.73%
			2450	1.834	38.423	1.800	39.200	1.89%	-1.98%
			2480	1.866	38.299	1.833	39.162	1.80%	-2.20%
			2500	1.889	38.219	1.855	39.136	1.83%	-2.34%
			2510	1.901	38.183	1.866	39.123	1.88%	-2.40%
			2535	1.929	38.087	1.893	39.092	1.90%	-2.57%
			2550	1.947	38.026	1.909	39.073	1.99%	-2.68%
			2560	1.958	37.991	1.920	39.060	1.98%	-2.74%
			2600	2.005	37.826	1.964	39.009	2.09%	-3.03%
			2650	2.064	37.635	2.018	38.945	2.28%	-3.36%
			2680	2.097	37.513	2.051	38.907	2.24%	-3.58%
			2700	2.120	37.422	2.073	38.882	2.27%	-3.75%
03/23/2025	2450 Head	23.2	2300	1.675	41.128	1.670	39.500	0.30%	4.12%
			2310	1.682	41.103	1.679	39.480	0.18%	4.11%
			2320	1.689	41.077	1.687	39.460	0.12%	4.10%
			2400	1.745	40.997	1.756	39.289	-0.63%	4.35%
			2450	1.783	40.916	1.800	39.200	-0.94%	4.38%
			2480	1.804	40.901	1.833	39.162	-1.58%	4.44%
			2500	1.817	40.871	1.855	39.136	-2.05%	4.43%
			2510	1.824	40.851	1.866	39.123	-2.25%	4.42%
			2535	1.846	40.810	1.893	39.092	-2.48%	4.39%
			2550	1.859	40.797	1.909	39.073	-2.62%	4.41%
			2560	1.867	40.790	1.920	39.060	-2.78%	4.43%
			2600	1.896	40.731	1.964	39.009	-3.48%	4.41%
			2650	1.937	40.637	2.018	38.945	-4.01%	4.34%
			2680	1.959	40.605	2.051	38.907	-4.49%	4.36%
			2700	1.972	40.573	2.073	38.882	-4.87%	4.35%
03/31/2025	2450 Head	24.0	2300	1.648	39.421	1.670	39.500	-1.32%	-0.20%
			2310	1.659	39.382	1.679	39.480	-1.19%	-0.25%
			2320	1.671	39.346	1.687	39.460	-0.89%	-0.29%
			2400	1.758	39.043	1.756	39.289	0.11%	-0.63%
			2450	1.815	38.861	1.800	39.200	0.83%	-0.86%
			2480	1.846	38.755	1.833	39.162	0.71%	-1.09%
			2500	1.868	38.663	1.855	39.136	0.70%	-1.21%
			2510	1.879	38.632	1.866	39.123	0.70%	-1.26%
			2535	1.910	38.544	1.893	39.092	0.90%	-1.40%
			2550	1.927	38.485	1.909	39.073	0.94%	-1.50%
			2560	1.938	38.447	1.920	39.060	0.94%	-1.57%
			2600	1.983	38.285	1.964	39.009	0.97%	-1.86%
			2650	2.044	38.108	2.018	38.945	1.29%	-2.15%
			2680	2.078	37.985	2.051	38.907	1.32%	-2.37%
			2700	2.100	37.900	2.073	38.882	1.30%	-2.53%
04/01/2025	2450 Head	23.2	2300	1.679	40.030	1.670	39.500	0.51%	1.34%
			2310	1.686	40.015	1.679	39.480	0.41%	1.35%
			2320	1.693	39.998	1.687	39.460	0.35%	1.36%
			2400	1.748	39.903	1.756	39.289	-0.46%	1.56%
			2450	1.783	39.834	1.800	39.200	-0.96%	1.62%
			2480	1.807	39.799	1.833	39.162	-1.42%	1.63%
			2500	1.822	39.778	1.855	39.136	-1.78%	1.64%
			2510	1.830	39.768	1.866	39.123	-1.92%	1.65%
			2535	1.849	39.733	1.893	39.092	-2.34%	1.64%
			2550	1.861	39.710	1.909	39.073	-2.51%	1.63%
			2560	1.869	39.693	1.920	39.060	-2.64%	1.62%
			2600	1.902	39.635	1.964	39.009	-3.17%	1.61%
			2650	1.940	39.547	2.018	38.945	-3.89%	1.55%
			2680	1.964	39.503	2.051	38.907	-4.25%	1.53%
			2700	1.979	39.464	2.073	38.882	-4.53%	1.55%
04/08/2025	2450 Head	21.4	2300	1.680	39.626	1.670	39.500	0.60%	0.32%
			2310	1.687	39.607	1.679	39.480	0.48%	0.32%
			2320	1.695	39.588	1.687	39.460	0.47%	0.32%
			2400	1.752	39.483	1.756	39.289	-0.23%	0.49%
			2450	1.788	39.417	1.800	39.200	-0.67%	0.55%
			2480	1.810	39.373	1.833	39.162	-1.28%	0.54%
			2500	1.825	39.342	1.855	39.136	-1.62%	0.53%
			2510	1.833	39.328	1.866	39.123	-1.77%	0.52%
			2535	1.853	39.294	1.893	39.092	-2.11%	0.52%
			2550	1.866	39.274	1.909	39.073	-2.25%	0.51%
			2560	1.874	39.258	1.920	39.060	-2.40%	0.51%
			2600	1.905	39.198	1.964	39.009	-3.00%	0.46%
			2650	1.945	39.107	2.018	38.945	-3.62%	0.42%
			2680	1.970	39.064	2.051	38.907	-3.95%	0.40%
			2700	1.984	39.041	2.073	38.882	-4.29%	0.41%
04/07/2025	2450 Head	21.9	2300	1.681	37.674	1.670	39.500	0.66%	-4.62%
			2310	1.688	37.659	1.679	39.480	0.54%	-4.61%
			2320	1.695	37.640	1.687	39.460	0.47%	-4.61%
			2400	1.752	37.531	1.756	39.289	-0.23%	-4.47%
			2450	1.790	37.451	1.800	39.200	-0.56%	-4.46%
			2480	1.810	37.410	1.833	39.162	-1.25%	-4.47%
			2500	1.824	37.387	1.855	39.136	-1.67%	-4.52%
			2510	1.832	37.347	1.866	39.123	-1.82%	-4.54%
			2535	1.852	37.305	1.893	39.092	-2.17%	-4.57%
			2550	1.864	37.288	1.909	39.073	-2.38%	-4.57%
			2560	1.871	37.279	1.920	39.060	-2.55%	-4.56%
			2600	1.899	37.209	1.964	39.009	-3.31%	-4.61%
			2650	1.940	37.130	2.018	38.945	-3.87%	-4.66%
			2680	1.962	37.092	2.051	38.907	-4.34%	-4.66%
			2700	1.977	37.045	2.073	38.882	-4.63%	-4.72%
04/10/2025	2450 Head	23.5	2300	1.684	39.525	1.670	39.500	0.84%	0.06%
			2310	1.695	39.489	1.679	39.480	0.95%	0.02%
			2320	1.706	39.457	1.687	39.460	1.13%	-0.01%
			2400	1.798	39.163	1.756	39.289	2.39%	-0.32%
			2450	1.855	38.993	1.800	39.200	3.08%	-0.53%
			2480	1.891	38.881	1.833	39.162	3.16%	-0.72%
			2500	1.913	38.818	1.855	39.136	3.13%	-0.81%
			2510	1.925	38.785	1.866	39.123	3.16%	-0.86%
			2535	1.954	38.699	1.893	39.092	3.22%	-1.01%
			2550	1.971	38.643	1.909	39.073	3.25%	-1.10%
			2560	1.983	38.606	1.920	39.060	3.28%	-1.16%
			2600	2.031	38.483	1.964	39.009	3.41%	-1.35%
			2650	2.085	38.294	2.018	38.945	3.32%	-1.67%
			2680	2.121	38.168	2.051	38.907	3.41%	-1.85%
			2700	2.143	38.118	2.073	38.882	3.38%	-1.96%
04/13/2025	2450 Head	19.6	2300	1.682	38.088	1.670	39.500	0.72%	-3.57%
			2310	1.689	38.069	1.679	39.480	0.60%	-3.57%
			2320	1.697	38.050	1.687	39.460	0.59%	-3.57%
			2400	1.759	37.938	1.756	39.289	0.17%	-3.44%
			2450	1.798	37.844	1.800	39.200	-0.11%	-3.46%
			2480	1.821	37.800	1.833	39.162	-0.68%	-3.48%
			2500	1.836	37.763	1.855	39.136	-1.02%	-3.51%
			2510	1.844	37.742	1.866	39.123	-1.18%	-3.53%
			2535	1.865	37.695	1.893	39.092	-1.48%	-3.57%
			2550	1.877	37.672	1.909	39.073	-1.68%	-3.59%
			2560	1.885	37.659	1.920	39.060	-1.82%	-3.59%
			2600	1.915	37.589	1.964	39.009	-2.49%	-3.64%
			2650	1.956	37.492	2.018	38.945	-3.07%	-3.73%
			2680	1.979	37.448	2.051	38.907	-3.51%	-3.75%
			2700	1.994	37.408	2.073	38.882	-3.81%	-3.79%
04/17/2025	2450 Head	21.5	2300	1.678	39.161	1.670	39.500	0.48%	-0.86%
			2310	1.686	39.150	1.679	39.480	0.42%	-0.84%
			2320	1.693	39.138	1.687	39.460	0.36%	-0.82%
			2400	1.751	39.033	1.756	39.289	-0.28%	-0.65%
			2450	1.787	38.962	1.800	39.200	-0.72%	-0.61%
			2480	1.809	38.918	1.833	39.162	-1.31%	-0.62%
			2500	1.826	38.885	1.855	39.136	-1.58%	-0.64%
			2510	1.834	38.873	1.866	39.123	-1.71%	-0.64%
			2535	1.854	38.836	1.893	39.092	-2.06%	-0.65%
			2550	1.865	38.814	1.909	39.073	-2.33%	-0.66%
			2560	1.874	38.800	1.920	39.060	-2.40%	-0.67%
			2600	1.908	38.736	1.964	39.009	-2.85%	-0.70%
			2650	1.946	38.650	2.018	38.945	-3.57%	-0.76%
			2680	1.972	38.603	2.051	38.907	-3.88%	-0.78%
			2700	1.988	38.566	2.073	38.882	-4.10%	-0.81%
04/17/2025	2450 Head	19.4	2300	1.713	38.115	1.670	39.500	2.57%	-3.51%
			2310	1.720	38.103	1.679	39.480	2.44%	-3.49%
			2320	1.728	38.087	1.687	39.460	2.43%	-3.48%
			2400	1.790	37.947	1.756	39.289	1.94%	-3.42%
			2450	1.828	37.863	1.800	39.200	1.58%	-3.41%
			2480	1.852	37.812	1.833	39.162	1.04%	-3.45%
			2500	1.867	37.772	1.855	39.136	0.65%	-3.49%
			2510	1.875	37.752	1.866	39.123	0.48%	-3.50%
			2535	1.895	37.713	1.893	39.092	0.11%	-3.53%
			2550	1.908	37.687	1.909	39.073	-0.05%	-3.55%
			2560	1.916	37.671	1.920	39.060	-0.21%	-3.56%
			2600	1.948	37.600	1.964	39.009	-0.81%	-3.61%
			2650	1.989	37.504	2.018	38.945	-1.44%	-3.70%
			2680	2.016	37.453	2.051	38.907	-1.71%	-3.74%
			2700	2.032	37.422	2.073	38.882	-1.98%	-3.75%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-7
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (˚C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
02/24/2025	3600 Head	19.1	3300	2.807	38.599	2.708	38.157	3.66%	1.16%
			3350	2.847	38.526	2.759	38.100	3.19%	1.12%
			3450	2.928	38.417	2.861	37.986	2.34%	1.13%
			3500	2.971	38.337	2.913	37.929	1.99%	1.08%
			3550	3.015	38.290	2.964	37.871	1.72%	1.11%
			3560	3.024	38.273	2.974	37.860	1.68%	1.09%
			3600	3.058	38.215	3.015	37.814	1.43%	1.06%
			3650	3.105	38.154	3.066	37.757	1.27%	1.05%
			3690	3.139	38.089	3.107	37.711	1.03%	1.00%
			3700	3.147	38.072	3.117	37.700	0.96%	0.99%
			3750	3.195	38.008	3.169	37.643	0.82%	0.97%
			3900	3.333	37.832	3.323	37.471	0.30%	0.96%
			3930	3.362	37.786	3.353	37.437	0.27%	0.93%
			4100	3.529	37.556	3.528	37.243	0.03%	0.84%
			4150	3.580	37.487	3.579	37.186	0.03%	0.81%
03/12/2025	3600 Head	20.7	3300	2.821	36.842	2.708	38.157	4.17%	-3.45%
			3350	2.857	36.781	2.759	38.100	3.55%	-3.46%
			3450	2.931	36.625	2.861	37.986	2.45%	-3.58%
			3500	2.969	36.544	2.913	37.929	1.92%	-3.65%
			3550	3.008	36.477	2.964	37.871	1.48%	-3.68%
			3560	3.017	36.471	2.974	37.860	1.45%	-3.67%
			3600	3.052	36.417	3.015	37.814	1.23%	-3.69%
			3650	3.090	36.363	3.066	37.757	0.78%	-3.69%
			3690	3.123	36.306	3.107	37.711	0.51%	-3.73%
			3700	3.131	36.291	3.117	37.700	0.45%	-3.74%
			3750	3.171	36.240	3.169	37.643	0.06%	-3.73%
			3900	3.300	36.025	3.323	37.471	-0.69%	-3.86%
			3930	3.324	35.991	3.353	37.437	-0.86%	-3.86%
			4100	3.472	35.785	3.528	37.243	-1.59%	-3.91%
			4150	3.516	35.735	3.579	37.186	-1.76%	-3.90%
03/19/2025	3600 Head	21.1	3300	2.842	37.637	2.708	38.157	4.95%	-1.36%
			3350	2.882	37.564	2.759	38.100	4.46%	-1.41%
			3450	2.961	37.419	2.861	37.986	3.50%	-1.49%
			3500	3.003	37.329	2.913	37.929	3.09%	-1.58%
			3550	3.044	37.252	2.964	37.871	2.70%	-1.63%
			3560	3.053	37.245	2.974	37.860	2.66%	-1.62%
			3600	3.087	37.185	3.015	37.814	2.39%	-1.66%
			3650	3.125	37.129	3.066	37.757	1.92%	-1.66%
			3690	3.159	37.063	3.107	37.711	1.67%	-1.72%
			3700	3.168	37.049	3.117	37.700	1.64%	-1.73%
			3750	3.206	36.986	3.169	37.643	1.17%	-1.75%
			3900	3.335	36.754	3.323	37.471	0.36%	-1.91%
			3930	3.360	36.723	3.353	37.437	0.21%	-1.91%
			4100	3.510	36.525	3.528	37.243	-0.51%	-1.93%
			4150	3.555	36.482	3.579	37.186	-0.67%	-1.89%
03/23/2025	3600 Head	20.8	3300	2.808	36.566	2.708	38.157	3.69%	-4.17%
			3350	2.846	36.503	2.759	38.100	3.15%	-4.19%
			3450	2.924	36.360	2.861	37.986	2.20%	-4.28%
			3500	2.968	36.272	2.913	37.929	1.89%	-4.37%
			3550	3.008	36.202	2.964	37.871	1.48%	-4.41%
			3560	3.017	36.194	2.974	37.860	1.45%	-4.40%
			3600	3.050	36.138	3.015	37.814	1.16%	-4.43%
			3650	3.089	36.071	3.066	37.757	0.75%	-4.47%
			3690	3.122	36.015	3.107	37.711	0.48%	-4.50%
			3700	3.130	36.000	3.117	37.700	0.42%	-4.51%
			3750	3.166	35.936	3.169	37.643	-0.09%	-4.53%
			3900	3.297	35.717	3.323	37.471	-0.78%	-4.68%
			3930	3.319	35.688	3.353	37.437	-1.01%	-4.67%
			4100	3.461	35.434	3.528	37.243	-1.90%	-4.86%
			4150	3.502	35.358	3.579	37.186	-2.15%	-4.92%
03/26/2025	3600 Head	21.0	3300	2.814	36.639	2.708	38.157	3.91%	-3.98%
			3350	2.854	36.573	2.759	38.100	3.44%	-4.01%
			3450	2.932	36.420	2.861	37.986	2.48%	-4.12%
			3500	2.970	36.342	2.913	37.929	1.96%	-4.18%
			3550	3.010	36.272	2.964	37.871	1.55%	-4.22%
			3560	3.018	36.254	2.974	37.860	1.48%	-4.24%
			3600	3.050	36.176	3.015	37.814	1.16%	-4.33%
			3650	3.089	36.114	3.066	37.757	0.75%	-4.35%
			3690	3.121	36.053	3.107	37.711	0.45%	-4.40%
			3700	3.129	36.043	3.117	37.700	0.38%	-4.40%
			3750	3.168	35.984	3.169	37.643	-0.03%	-4.41%
			3900	3.295	35.801	3.323	37.471	-0.84%	-4.46%
			3930	3.323	35.763	3.353	37.437	-0.89%	-4.47%
			4100	3.476	35.538	3.528	37.243	-1.47%	-4.58%
			4150	3.521	35.471	3.579	37.186	-1.62%	-4.61%
04/02/2025	3600 Head	19.1	3300	2.593	37.794	2.708	38.157	-4.25%	-0.95%
			3350	2.639	37.713	2.759	38.100	-4.35%	-1.02%
			3450	2.732	37.526	2.861	37.986	-4.51%	-1.21%
			3500	2.776	37.440	2.913	37.929	-4.70%	-1.29%
			3550	2.825	37.353	2.964	37.871	-4.69%	-1.37%
			3560	2.832	37.341	2.974	37.860	-4.77%	-1.37%
			3600	2.869	37.245	3.015	37.814	-4.84%	-1.50%
			3650	2.917	37.186	3.066	37.757	-4.86%	-1.51%
			3690	2.958	37.093	3.107	37.711	-4.80%	-1.64%
			3700	2.967	37.088	3.117	37.700	-4.81%	-1.62%
			3750	3.016	37.017	3.169	37.643	-4.83%	-1.66%
			3900	3.168	36.720	3.323	37.471	-4.66%	-2.00%
			3930	3.203	36.684	3.353	37.437	-4.47%	-2.01%
			4100	3.376	36.429	3.528	37.243	-4.31%	-2.19%
			4150	3.432	36.341	3.579	37.186	-4.11%	-2.27%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-8
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (˚C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
03/10/2025	5200-5800 Head	19.7	5150	4.426	36.127	4.608	36.050	-3.95%	0.21%
			5160	4.438	36.118	4.618	36.040	-3.90%	0.22%
			5170	4.450	36.114	4.629	36.030	-3.87%	0.23%
			5180	4.461	36.099	4.635	36.009	-3.75%	0.25%
			5190	4.471	36.073	4.645	35.998	-3.75%	0.21%
			5200	4.481	36.047	4.655	35.986	-3.74%	0.17%
			5210	4.488	36.032	4.666	35.975	-3.81%	0.16%
			5220	4.500	36.022	4.676	35.963	-3.76%	0.16%
			5240	4.527	35.983	4.696	35.940	-3.60%	0.12%
			5250	4.543	35.964	4.706	35.929	-3.46%	0.10%
			5260	4.554	35.940	4.717	35.917	-3.46%	0.06%
			5270	4.564	35.909	4.727	35.906	-3.45%	0.01%
			5280	4.571	35.879	4.737	35.894	-3.50%	-0.04%
			5290	4.582	35.863	4.748	35.883	-3.50%	-0.06%
			5300	4.593	35.847	4.758	35.871	-3.47%	-0.07%
			5310	4.607	35.820	4.768	35.860	-3.38%	-0.11%
			5320	4.620	35.806	4.778	35.849	-3.31%	-0.12%
			5500	4.816	35.500	4.963	35.643	-2.96%	-0.40%
			5510	4.828	35.498	4.973	35.632	-2.92%	-0.38%
			5520	4.841	35.481	4.983	35.620	-2.85%	-0.39%
			5530	4.853	35.466	4.994	35.609	-2.82%	-0.40%
			5540	4.865	35.432	5.004	35.597	-2.78%	-0.46%
			5550	4.875	35.398	5.014	35.586	-2.77%	-0.53%
			5580	4.908	35.362	5.045	35.551	-2.72%	-0.53%
			5600	4.935	35.334	5.065	35.529	-2.57%	-0.55%
			5610	4.950	35.319	5.076	35.518	-2.48%	-0.56%
			5620	4.961	35.290	5.086	35.506	-2.46%	-0.61%
			5640	4.982	35.250	5.106	35.483	-2.43%	-0.66%
			5660	5.004	35.211	5.127	35.460	-2.40%	-0.70%
			5670	5.016	35.174	5.137	35.449	-2.36%	-0.78%
			5680	5.026	35.148	5.147	35.437	-2.35%	-0.82%
			5690	5.037	35.132	5.158	35.426	-2.35%	-0.83%
			5700	5.052	35.113	5.168	35.414	-2.24%	-0.85%
			5710	5.069	35.096	5.178	35.403	-2.11%	-0.87%
			5720	5.081	35.080	5.188	35.391	-2.06%	-0.88%
			5745	5.108	35.054	5.214	35.363	-2.03%	-0.87%
			5750	5.115	35.049	5.219	35.357	-1.99%	-0.87%
			5755	5.122	35.038	5.224	35.351	-1.95%	-0.89%
			5765	5.130	35.020	5.234	35.340	-1.99%	-0.91%
			5775	5.139	35.003	5.245	35.329	-2.02%	-0.92%
			5785	5.149	34.982	5.255	35.317	-2.02%	-0.95%
			5795	5.168	34.959	5.265	35.305	-1.84%	-0.98%
			5805	5.183	34.944	5.275	35.294	-1.74%	-0.99%
			5825	5.204	34.931	5.296	35.271	-1.74%	-0.96%
			5835	5.213	34.912	5.305	35.230	-1.73%	-0.90%
			5845	5.225	34.892	5.315	35.210	-1.69%	-0.90%
			5850	5.229	34.877	5.320	35.200	-1.71%	-0.92%
			5855	5.234	34.866	5.325	35.197	-1.71%	-0.94%
			5875	5.256	34.834	5.347	35.183	-1.70%	-0.99%
			5885	5.269	34.826	5.357	35.177	-1.64%	-1.00%
			5905	5.295	34.797	5.379	35.163	-1.56%	-1.04%
03/21/2022	5200-5800 Head	19.0	5180	4.723	35.321	4.635	36.009	1.90%	-1.91%
			5190	4.732	35.306	4.645	35.998	1.87%	-1.92%
			5200	4.744	35.281	4.655	35.986	1.91%	-1.96%
			5210	4.756	35.252	4.666	35.975	1.93%	-2.01%
			5220	4.771	35.222	4.676	35.963	2.03%	-2.06%
			5240	4.797	35.190	4.696	35.940	2.15%	-2.09%
			5250	4.808	35.180	4.706	35.929	2.17%	-2.08%
			5260	4.819	35.166	4.717	35.917	2.16%	-2.09%
			5270	4.831	35.158	4.727	35.906	2.20%	-2.08%
			5280	4.841	35.142	4.737	35.894	2.20%	-2.10%
			5290	4.848	35.112	4.748	35.883	2.11%	-2.15%
			5300	4.856	35.075	4.758	35.871	2.06%	-2.22%
			5310	4.867	35.045	4.768	35.860	2.08%	-2.27%
			5320	4.881	35.027	4.778	35.849	2.16%	-2.29%
			5500	5.079	34.661	4.963	35.643	2.34%	-2.76%
			5510	5.089	34.636	4.973	35.632	2.33%	-2.80%
			5520	5.103	34.618	4.983	35.620	2.41%	-2.81%
			5530	5.118	34.597	4.994	35.609	2.48%	-2.84%
			5540	5.135	34.581	5.004	35.597	2.62%	-2.85%
			5550	5.150	34.575	5.014	35.586	2.71%	-2.84%
			5560	5.159	34.565	5.024	35.574	2.69%	-2.84%
			5580	5.180	34.522	5.045	35.551	2.68%	-2.89%
			5600	5.206	34.462	5.065	35.529	2.78%	-3.00%
			5610	5.217	34.433	5.076	35.518	2.78%	-3.05%
			5620	5.231	34.416	5.086	35.506	2.85%	-3.07%
			5640	5.263	34.399	5.106	35.483	3.07%	-3.05%
			5660	5.281	34.374	5.127	35.460	3.00%	-3.06%
			5670	5.290	34.357	5.137	35.449	2.98%	-3.08%
			5680	5.305	34.334	5.147	35.437	3.07%	-3.11%
			5690	5.318	34.310	5.158	35.426	3.10%	-3.15%
			5700	5.331	34.283	5.168	35.414	3.15%	-3.19%
			5710	5.342	34.272	5.178	35.403	3.17%	-3.19%
			5720	5.354	34.258	5.188	35.391	3.20%	-3.20%
			5745	5.381	34.222	5.214	35.363	3.20%	-3.23%
			5750	5.388	34.210	5.219	35.357	3.24%	-3.24%
			5755	5.397	34.197	5.224	35.351	3.31%	-3.26%
			5765	5.408	34.179	5.234	35.340	3.32%	-3.29%
			5775	5.419	34.159	5.245	35.329	3.32%	-3.31%
			5785	5.432	34.141	5.255	35.317	3.37%	-3.33%
			5795	5.443	34.117	5.265	35.305	3.38%	-3.36%
			5800	5.448	34.106	5.270	35.300	3.38%	-3.38%
			5800	5.448	34.106	5.270	35.300	3.38%	-3.38%
			5805	5.453	34.095	5.275	35.294	3.37%	-3.40%
			5825	5.471	34.087	5.296	35.271	3.30%	-3.36%
			5835	5.483	34.065	5.305	35.230	3.36%	-3.31%
			5845	5.495	34.037	5.315	35.210	3.39%	-3.33%
			5855	5.507	34.010	5.325	35.197	3.42%	-3.37%
			5865	5.519	33.998	5.336	35.190	3.43%	-3.39%
			5865	5.519	33.998	5.336	35.190	3.43%	-3.39%
			5865	5.519	33.998	5.336	35.190	3.43%	-3.39%
			5865	5.519	33.998	5.336	35.190	3.43%	-3.39%
			5875	5.533	33.983	5.347	35.183	3.48%	-3.41%
			5885	5.544	33.963	5.357	35.177	3.49%	-3.45%
			5905	5.565	33.924	5.379	35.163	3.46%	-3.52%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-9
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (°C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
03/26/2025	5200-5800 Head	19.5	5150	4.392	35.003	4.608	36.050	-4.69%	-2.90%
			5160	4.402	34.976	4.618	36.040	-4.68%	-2.95%
			5170	4.413	34.952	4.629	36.030	-4.67%	-2.99%
			5180	4.424	34.927	4.635	36.009	-4.55%	-3.00%
			5190	4.436	34.902	4.645	35.998	-4.50%	-3.04%
			5200	4.448	34.874	4.655	35.986	-4.45%	-3.09%
			5210	4.460	34.858	4.666	35.975	-4.41%	-3.10%
			5220	4.470	34.848	4.676	35.963	-4.41%	-3.10%
			5240	4.490	34.815	4.696	35.940	-4.39%	-3.13%
			5250	4.498	34.795	4.706	35.929	-4.42%	-3.16%
			5260	4.506	34.775	4.717	35.917	-4.47%	-3.18%
			5270	4.515	34.755	4.727	35.906	-4.48%	-3.21%
			5280	4.529	34.734	4.737	35.894	-4.39%	-3.23%
			5290	4.543	34.712	4.748	35.883	-4.32%	-3.26%
			5300	4.557	34.692	4.758	35.871	-4.22%	-3.29%
			5310	4.570	34.678	4.768	35.860	-4.15%	-3.30%
			5320	4.581	34.669	4.778	35.849	-4.12%	-3.29%
			5500	4.773	34.355	4.963	35.643	-3.83%	-3.61%
			5510	4.789	34.348	4.973	35.632	-3.70%	-3.60%
			5520	4.801	34.347	4.983	35.620	-3.65%	-3.57%
			5530	4.810	34.340	4.994	35.609	-3.68%	-3.56%
			5540	4.817	34.331	5.004	35.597	-3.74%	-3.56%
			5550	4.822	34.306	5.014	35.586	-3.83%	-3.60%
			5560	4.829	34.279	5.024	35.574	-3.88%	-3.64%
			5580	4.858	34.225	5.045	35.551	-3.71%	-3.73%
			5600	4.890	34.185	5.065	35.529	-3.46%	-3.78%
			5610	4.902	34.175	5.076	35.518	-3.43%	-3.78%
			5620	4.912	34.178	5.086	35.506	-3.42%	-3.74%
			5640	4.928	34.145	5.106	35.483	-3.49%	-3.77%
			5660	4.941	34.085	5.127	35.460	-3.63%	-3.88%
			5670	4.952	34.058	5.137	35.449	-3.60%	-3.92%
			5680	4.965	34.039	5.147	35.437	-3.54%	-3.95%
			5690	4.980	34.015	5.158	35.426	-3.45%	-3.98%
			5700	4.997	34.002	5.168	35.414	-3.31%	-3.99%
			5710	5.010	34.001	5.178	35.403	-3.24%	-3.96%
			5720	5.022	34.001	5.188	35.391	-3.20%	-3.93%
			5745	5.041	33.939	5.214	35.363	-3.32%	-4.03%
			5750	5.046	33.925	5.219	35.357	-3.31%	-4.05%
			5755	5.051	33.917	5.224	35.351	-3.31%	-4.06%
			5765	5.065	33.900	5.234	35.340	-3.23%	-4.07%
			5775	5.078	33.874	5.245	35.329	-3.18%	-4.12%
			5785	5.088	33.846	5.255	35.317	-3.18%	-4.17%
			5795	5.098	33.825	5.265	35.305	-3.17%	-4.19%
			5805	5.110	33.821	5.275	35.294	-3.13%	-4.17%
			5825	5.133	33.808	5.296	35.271	-3.08%	-4.15%
			5835	5.142	33.791	5.305	35.230	-3.07%	-4.08%
			5845	5.151	33.777	5.315	35.210	-3.09%	-4.07%
			5850	5.157	33.770	5.320	35.200	-3.06%	-4.06%
			5855	5.163	33.760	5.325	35.197	-3.04%	-4.08%
			5875	5.186	33.709	5.347	35.183	-3.01%	-4.19%
			5885	5.198	33.693	5.357	35.177	-2.97%	-4.22%
			5905	5.223	33.665	5.379	35.163	-2.90%	-4.26%
03/31/2025	5200-5800 Head	19.5	5150	4.382	36.226	4.608	36.050	-4.90%	0.49%
			5160	4.391	36.206	4.618	36.040	-4.92%	0.46%
			5170	4.405	36.170	4.629	36.030	-4.84%	0.39%
			5180	4.418	36.133	4.635	36.009	-4.68%	0.34%
			5190	4.429	36.099	4.645	35.998	-4.65%	0.28%
			5200	4.439	36.083	4.655	35.986	-4.64%	0.27%
			5210	4.451	36.066	4.666	35.975	-4.61%	0.25%
			5220	4.462	36.056	4.676	35.963	-4.58%	0.26%
			5240	4.484	36.030	4.696	35.940	-4.51%	0.25%
			5250	4.493	36.010	4.706	35.929	-4.53%	0.23%
			5260	4.502	35.986	4.717	35.917	-4.56%	0.19%
			5270	4.511	35.963	4.727	35.906	-4.57%	0.16%
			5280	4.525	35.952	4.737	35.894	-4.48%	0.16%
			5290	4.541	35.922	4.748	35.883	-4.36%	0.11%
			5300	4.557	35.897	4.758	35.871	-4.22%	0.07%
			5310	4.570	35.880	4.768	35.860	-4.15%	0.06%
			5320	4.580	35.874	4.778	35.849	-4.14%	0.07%
			5500	4.790	35.582	4.963	35.643	-3.49%	-0.17%
			5510	4.805	35.574	4.973	35.632	-3.38%	-0.16%
			5520	4.818	35.572	4.983	35.620	-3.31%	-0.13%
			5530	4.825	35.568	4.994	35.609	-3.38%	-0.12%
			5540	4.828	35.553	5.004	35.597	-3.52%	-0.12%
			5550	4.833	35.527	5.014	35.586	-3.61%	-0.17%
			5560	4.842	35.499	5.024	35.574	-3.62%	-0.21%
			5580	4.868	35.434	5.045	35.551	-3.51%	-0.33%
			5600	4.901	35.394	5.065	35.529	-3.24%	-0.38%
			5610	4.913	35.401	5.076	35.518	-3.21%	-0.33%
			5620	4.922	35.400	5.086	35.506	-3.22%	-0.30%
			5640	4.939	35.353	5.106	35.483	-3.27%	-0.37%
			5660	4.955	35.300	5.127	35.460	-3.35%	-0.45%
			5670	4.968	35.274	5.137	35.449	-3.29%	-0.49%
			5680	4.984	35.247	5.147	35.437	-3.17%	-0.54%
			5690	5.000	35.229	5.158	35.426	-3.06%	-0.56%
			5700	5.014	35.219	5.168	35.414	-2.98%	-0.55%
			5710	5.029	35.214	5.178	35.403	-2.88%	-0.53%
			5720	5.038	35.203	5.188	35.391	-2.89%	-0.53%
			5745	5.060	35.147	5.214	35.363	-2.95%	-0.61%
			5750	5.066	35.138	5.219	35.357	-2.93%	-0.62%
			5755	5.072	35.124	5.224	35.351	-2.91%	-0.64%
			5765	5.085	35.100	5.234	35.340	-2.85%	-0.68%
			5775	5.097	35.071	5.245	35.329	-2.82%	-0.73%
			5785	5.110	35.053	5.255	35.317	-2.76%	-0.75%
			5795	5.123	35.046	5.265	35.305	-2.70%	-0.73%
			5800	5.130	35.041	5.270	35.300	-2.66%	-0.73%
			5800	5.130	35.041	5.270	35.300	-2.66%	-0.73%
			5805	5.135	35.036	5.275	35.294	-2.65%	-0.73%
			5825	5.158	35.010	5.296	35.271	-2.61%	-0.74%
			5835	5.169	34.993	5.305	35.230	-2.56%	-0.67%
			5845	5.178	34.971	5.315	35.210	-2.58%	-0.68%
			5850	5.183	34.958	5.320	35.200	-2.58%	-0.69%
			5855	5.189	34.947	5.325	35.197	-2.55%	-0.71%
			5865	5.199	34.927	5.336	35.190	-2.57%	-0.75%
			5865	5.199	34.927	5.336	35.190	-2.57%	-0.75%
			5865	5.199	34.927	5.336	35.190	-2.57%	-0.75%
			5865	5.199	34.927	5.336	35.190	-2.57%	-0.75%
			5875	5.212	34.908	5.347	35.183	-2.52%	-0.78%
			5885	5.226	34.890	5.357	35.177	-2.45%	-0.82%
			5905	5.256	34.877	5.379	35.163	-2.29%	-0.81%
			5800	5.130	35.041	5.270	35.300	-2.66%	-0.73%
			5800	5.130	35.041	5.270	35.300	-2.66%	-0.73%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-10
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (˚C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
03/22/2025	6000 Head	20.0	5935	5.378	34.247	5.411	35.143	-0.61%	-2.55%
			5970	5.435	34.242	5.448	35.120	-0.24%	-2.50%
			5985	5.444	34.263	5.464	35.110	-0.37%	-2.41%
			6000	5.414	34.185	5.480	35.100	-1.20%	-2.61%
			6025	5.431	34.033	5.510	35.070	-1.43%	-2.96%
			6065	5.516	33.959	5.557	35.022	-0.74%	-3.04%
			6075	5.518	33.933	5.569	35.010	-0.92%	-3.08%
			6085	5.519	33.905	5.580	34.998	-1.09%	-3.12%
			6185	5.648	33.724	5.698	34.878	-0.88%	-3.31%
			6275	5.771	33.638	5.805	34.770	-0.59%	-3.26%
			6285	5.778	33.614	5.816	34.758	-0.65%	-3.29%
			6305	5.796	33.537	5.840	34.734	-0.75%	-3.45%
			6345	5.873	33.413	5.887	34.686	-0.24%	-3.67%
			6475	6.008	33.336	6.041	34.530	-0.55%	-3.46%
			6485	6.005	33.360	6.052	34.518	-0.78%	-3.35%
			6500	6.009	33.274	6.070	34.500	-1.00%	-3.55%
			6505	6.009	33.230	6.076	34.494	-1.10%	-3.66%
			6545	6.108	33.014	6.122	34.446	-0.23%	-4.16%
			6665	6.250	32.856	6.265	34.302	-0.24%	-4.22%
			6675	6.257	32.870	6.273	34.290	-0.26%	-4.14%
			6685	6.258	32.869	6.285	34.278	-0.43%	-4.11%
			6715	6.263	32.704	6.319	34.242	-0.89%	-4.49%
			6785	6.383	32.690	6.400	34.158	-0.27%	-4.30%
			6825	6.385	32.572	6.447	34.110	-0.96%	-4.51%
			6985	6.632	32.347	6.633	33.918	-0.02%	-4.63%
			6995	6.621	32.364	6.644	33.906	-0.35%	-4.55%
			7000	6.613	32.359	6.650	33.900	-0.56%	-4.55%
			7005	6.601	32.349	6.656	33.894	-0.83%	-4.56%
			7025	6.594	32.235	6.680	33.870	-1.29%	-4.83%
03/29/2025	6000 Head	21.6	6000	5.515	34.647	5.480	35.100	0.64%	-1.29%
			6025	5.502	34.395	5.510	35.070	-0.15%	-1.92%
			6065	5.587	34.323	5.557	35.022	0.54%	-2.00%
			6075	5.597	34.302	5.569	35.010	0.50%	-2.02%
			6085	5.602	34.273	5.580	34.998	0.39%	-2.07%
			6185	5.739	34.067	5.698	34.878	0.72%	-2.33%
			6275	5.856	33.944	5.805	34.770	0.88%	-2.38%
			6285	5.860	33.920	5.816	34.758	0.76%	-2.41%
			6305	5.885	33.851	5.840	34.734	0.77%	-2.54%
			6345	5.967	33.746	5.887	34.686	1.36%	-2.71%
			6475	6.093	33.625	6.041	34.530	0.86%	-2.62%
			6485	6.087	33.619	6.052	34.518	0.58%	-2.60%
			6500	6.085	33.551	6.070	34.500	0.25%	-2.75%
			6505	6.088	33.514	6.076	34.494	0.20%	-2.84%
			6545	6.182	33.325	6.122	34.446	0.98%	-3.25%
			6665	6.333	33.147	6.265	34.302	1.09%	-3.37%
			6675	6.336	33.156	6.273	34.290	1.00%	-3.31%
			6685	6.332	33.149	6.285	34.278	0.75%	-3.29%
			6715	6.333	32.995	6.319	34.242	0.22%	-3.64%
			6785	6.449	32.989	6.400	34.158	0.77%	-3.42%
			6825	6.446	32.828	6.447	34.110	-0.02%	-3.76%
			6985	6.708	32.610	6.633	33.918	1.13%	-3.86%
			6995	6.696	32.617	6.644	33.906	0.78%	-3.80%
			7000	6.688	32.605	6.650	33.900	0.57%	-3.82%
			7005	6.682	32.585	6.656	33.894	0.39%	-3.86%
			7025	6.670	32.459	6.680	33.870	-0.15%	-4.17%
			7500	7.348	31.711	7.240	33.300	1.49%	-4.77%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 11-11
Measured Head Tissue Properties

Calibrated for Tests Performed on:	Tissue Type	Tissue Temp During Calibration (˚C)	Measured Frequency (MHz)	Measured Conductivity, σ (S/m)	Measured Dielectric Constant, ε	TARGET Conductivity, σ (S/m)	TARGET Dielectric Constant, ε	% dev σ	% dev ε
04/07/2025	6000 Head	20.4	5935	5.239	34.776	5.411	35.143	-3.18%	-1.04%
			5970	5.277	34.761	5.448	35.120	-3.14%	-1.02%
			5985	5.289	34.739	5.464	35.110	-3.20%	-1.06%
			6000	5.308	34.699	5.480	35.100	-3.14%	-1.14%
			6025	5.346	34.628	5.510	35.070	-2.98%	-1.26%
			6065	5.397	34.574	5.557	35.022	-2.88%	-1.28%
			6075	5.404	34.568	5.569	35.010	-2.96%	-1.26%
			6085	5.411	34.555	5.580	34.998	-3.03%	-1.27%
			6185	5.533	34.370	5.698	34.878	-2.90%	-1.46%
			6275	5.650	34.192	5.805	34.770	-2.67%	-1.66%
			6285	5.656	34.190	5.816	34.758	-2.75%	-1.63%
			6305	5.668	34.162	5.840	34.734	-2.95%	-1.65%
			6345	5.722	34.078	5.887	34.686	-2.80%	-1.75%
			6475	5.883	33.880	6.041	34.530	-2.62%	-1.88%
			6485	5.891	33.875	6.052	34.518	-2.66%	-1.86%
			6500	5.901	33.850	6.070	34.500	-2.78%	-1.88%
			6505	5.903	33.839	6.076	34.494	-2.85%	-1.90%
			6545	5.940	33.708	6.122	34.446	-2.97%	-2.14%
			6665	6.085	33.494	6.265	34.302	-2.87%	-2.36%
			6675	6.104	33.488	6.273	34.290	-2.69%	-2.34%
			6685	6.123	33.483	6.285	34.278	-2.58%	-2.32%
			6715	6.164	33.476	6.319	34.242	-2.45%	-2.24%
			6785	6.235	33.334	6.400	34.158	-2.58%	-2.41%
			6825	6.282	33.314	6.447	34.110	-2.56%	-2.33%
			6985	6.455	32.992	6.633	33.918	-2.68%	-2.73%
			6995	6.470	32.974	6.644	33.906	-2.62%	-2.75%
			7000	6.479	32.969	6.650	33.900	-2.57%	-2.75%
			7500	7.037	32.180	7.240	33.300	-2.80%	-3.36%
			7980	7.643	31.377	7.816	32.724	-2.21%	-4.12%
04/15/2025	6000 Head	21.3	6000	5.462	35.266	5.480	35.100	-0.33%	0.47%
			6025	5.437	35.111	5.510	35.070	-1.32%	0.12%
			6065	5.514	35.021	5.557	35.022	-0.77%	0.00%
			6075	5.523	35.000	5.569	35.010	-0.83%	-0.03%
			6085	5.529	34.968	5.580	34.998	-0.91%	-0.09%
			6185	5.658	34.817	5.698	34.878	-0.70%	-0.17%
			6275	5.782	34.677	5.805	34.770	-0.40%	-0.27%
			6285	5.784	34.667	5.816	34.758	-0.55%	-0.26%
			6305	5.809	34.614	5.840	34.734	-0.53%	-0.35%
			6345	5.887	34.496	5.887	34.686	0.00%	-0.55%
			6475	6.020	34.379	6.041	34.530	-0.35%	-0.44%
			6485	6.015	34.387	6.052	34.518	-0.61%	-0.38%
			6500	6.016	34.343	6.070	34.500	-0.89%	-0.46%
			6505	6.019	34.314	6.076	34.494	-0.94%	-0.52%
			6545	6.107	34.124	6.122	34.446	-0.25%	-0.93%
			6665	6.254	33.925	6.265	34.302	-0.18%	-1.10%
			6675	6.257	33.937	6.273	34.290	-0.26%	-1.03%
			6685	6.257	33.928	6.285	34.278	-0.45%	-1.02%
			6715	6.275	33.802	6.319	34.242	-0.70%	-1.28%
			6785	6.376	33.769	6.400	34.158	-0.38%	-1.14%
			6825	6.391	33.651	6.447	34.110	-0.87%	-1.35%
			6985	6.628	33.400	6.633	33.918	-0.08%	-1.53%
			6995	6.624	33.405	6.644	33.906	-0.30%	-1.48%
			7000	6.620	33.400	6.650	33.900	-0.45%	-1.47%
			7005	6.616	33.391	6.656	33.894	-0.60%	-1.48%
			7025	6.617	33.312	6.680	33.870	-0.94%	-1.65%
			7500	7.273	32.491	7.240	33.300	0.46%	-2.43%

The above measured tissue parameters were used in the DASY software. The DASY software was used to perform interpolation to determine the dielectric parameters at the SAR test device frequencies (per KDB Publication 865664 D01v01r04 and IEEE 1528-2013 6.6.1.2. The tissue parameters listed in the SAR test plots may slightly differ from the table above due to significant digit rounding in the software.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

11.2 SAR Test System Verification

Prior to SAR assessment, the system is verified to ±10% of the SAR measurement on the reference dipole at the time of calibration by the calibration facility. Full system validation status and result summary can be found in SAR System Validation Appendix.

Table 11-12
System Verification Results

System Verification
TARGET & MEASURED

SAR System	Tissue Frequency (MHz)	Tissue Type	Date	Amb. Temp. (C)	Liquid Temp. (C)	Input Power (W)	Source SN	Probe SN	DAE	Measured SAR 1g (W/Kg)	1W Target SAR 1g (W/Kg)	1W Normalized SAR 1g (W/Kg)	Deviation 1g (%)	Measured SAR 10g (W/Kg)	1W Target SAR 10g (W/Kg)	1W Normalized SAR 10g (W/Kg)	Deviation 10g (%)	Measured 4cm2 APD (W/m2)	1W Target 4cm2 APD (W/m2)	1W Normalized 4cm2 APD (W/m2)	Deviation 4cm2 APD (%)
G	13	HEAD	03/17/2025	23.5	22.8	1.00	s002	7551	1323	0.54	0.52	0.54	3.08%	0.33	0.33	0.33	2.15%	N/A	N/A	N/A	N/A
L	750	HEAD	03/05/2025	22.5	22.1	0.20	1161	7660	1678	1.78	8.36	8.90	6.46%	1.18	5.41	5.80	9.06%	N/A	N/A	N/A	N/A
L	750	HEAD	03/06/2025	21.8	22.0	0.20	1161	7660	1678	1.70	8.36	8.50	1.67%	1.19	5.41	5.95	2.11%	N/A	N/A	N/A	N/A
J	750	HEAD	03/12/2025	23.3	22.0	0.20	1161	7406	1677	1.69	8.36	8.45	1.08%	1.11	5.41	5.55	2.59%	N/A	N/A	N/A	N/A
J	750	HEAD	03/19/2025	22.5	21.6	0.20	1161	7660	1678	1.82	8.36	9.10	8.85%	1.19	5.41	5.95	9.98%	N/A	N/A	N/A	N/A
J	750	HEAD	03/28/2025	22.9	21.7	0.20	1161	7406	1677	1.67	8.36	8.35	-0.12%	1.10	5.41	5.50	1.66%	N/A	N/A	N/A	N/A
P	750	HEAD	04/07/2025	23.7	22.2	0.20	1054	7571	1678	1.66	8.68	8.30	-4.38%	1.11	5.41	5.55	-1.07%	N/A	N/A	N/A	N/A
AM13	750	HEAD	04/08/2025	22.9	22.2	0.20	1097	7682	1683	1.65	8.27	8.25	-0.24%	1.09	5.38	5.45	1.30%	N/A	N/A	N/A	N/A
AM16	750	HEAD	04/08/2025	19.0	19.0	0.20	1097	7552	1676	1.69	8.27	8.45	2.18%	1.13	5.38	5.65	5.02%	N/A	N/A	N/A	N/A
O	835	HEAD	03/26/2025	22.7	20.9	0.20	4d132	3914	728	2.08	9.84	10.40	5.69%	1.36	6.40	6.80	6.25%	N/A	N/A	N/A	N/A
O	835	HEAD	03/31/2025	20.8	19.5	0.20	4d132	3914	728	2.01	9.84	9.55	-2.95%	1.25	6.40	6.20	-2.24%	N/A	N/A	N/A	N/A
P	835	HEAD	03/03/2025	20.1	19.5	0.20	4d132	7571	859	2.12	9.94	10.60	6.64%	1.40	6.49	7.00	7.86%	N/A	N/A	N/A	N/A
E	835	HEAD	03/10/2025	23.6	23.2	0.20	4d132	7409	1324	2.03	9.94	10.15	2.15%	1.33	6.40	6.65	3.91%	N/A	N/A	N/A	N/A
K2	835	HEAD	03/24/2025	22.3	21.3	0.20	4d180	7565	1466	2.10	9.94	10.50	5.63%	1.38	6.45	6.90	6.98%	N/A	N/A	N/A	N/A
H	835	HEAD	03/17/2025	22.3	21.9	0.20	4d132	7617	665	1.90	9.84	9.50	-3.46%	1.25	6.40	6.25	-2.34%	N/A	N/A	N/A	N/A
K2	835	HEAD	03/26/2025	22.2	21.2	0.20	4d180	7565	1466	2.02	9.94	10.10	1.61%	1.33	6.45	6.65	3.10%	N/A	N/A	N/A	N/A
J	835	HEAD	04/07/2025	22.9	22.6	0.20	4d132	7406	1677	1.84	9.84	9.20	-6.50%	1.20	6.40	6.00	-6.25%	N/A	N/A	N/A	N/A
AM8	835	HEAD	04/07/2025	19.9	20.1	0.20	4d180	7782	1836	2.01	9.80	10.05	2.55%	1.32	6.34	6.60	4.10%	N/A	N/A	N/A	N/A
O	835	HEAD	04/16/2025	23.0	22.8	0.20	4d047	3914	728	2.01	9.44	10.05	6.46%	1.33	6.09	6.65	9.20%	N/A	N/A	N/A	N/A
G	1640	HEAD	03/21/2025	24.3	22.7	0.10	221	7548	1415	3.44	34.50	34.40	-0.29%	1.86	18.50	18.60	0.54%	N/A	N/A	N/A	N/A
K4	1750	HEAD	03/20/2025	20.5	20.0	0.10	1051	7462	1552	3.67	37.00	36.70	-0.81%	1.97	19.50	19.70	1.03%	N/A	N/A	N/A	N/A
K3	1750	HEAD	03/05/2025	20.1	20.4	0.10	1051	7558	1364	3.19	37.00	31.90	-2.97%	1.91	19.50	19.10	-2.05%	N/A	N/A	N/A	N/A
AM16	1750	HEAD	03/07/2025	19.2	19.1	0.10	1104	7552	1676	3.79	35.60	37.90	6.46%	2.03	18.80	20.30	7.98%	N/A	N/A	N/A	N/A
AM16	1750	HEAD	03/10/2025	20.0	20.2	0.10	1104	7552	1676	3.70	35.60	37.00	3.93%	1.98	18.80	19.80	5.32%	N/A	N/A	N/A	N/A
K3	1750	HEAD	03/13/2025	21.4	21.8	0.10	1051	7558	1364	3.47	37.00	34.70	-6.22%	1.85	19.50	18.50	-5.13%	N/A	N/A	N/A	N/A
K2	1750	HEAD	03/14/2025	21.9	20.9	0.10	1051	7558	1364	3.52	37.00	35.30	-4.59%	1.89	19.50	18.90	-3.08%	N/A	N/A	N/A	N/A
AM16	1750	HEAD	03/26/2025	20.6	19.9	0.10	1104	7552	1676	3.52	35.60	35.20	-1.12%	1.89	18.80	18.90	0.53%	N/A	N/A	N/A	N/A
AM16	1750	HEAD	04/02/2025	21.5	19.0	0.10	1104	7552	1676	3.56	35.60	35.60	0.00%	1.91	18.80	19.10	1.60%	N/A	N/A	N/A	N/A
G	1750	HEAD	04/07/2025	23.9	22.5	0.10	1148	7488	1415	3.68	36.90	36.80	-0.27%	1.96	19.60	19.60	0.00%	N/A	N/A	N/A	N/A
AM16	1750	HEAD	04/14/2025	19.1	20.2	0.10	1104	7552	1676	3.73	35.60	37.30	4.78%	2.01	18.80	20.10	6.91%	N/A	N/A	N/A	N/A
I	1750	HEAD	04/16/2025	23.1	22.9	0.10	1148	7409	1324	3.64	36.90	36.40	-1.36%	1.94	19.60	19.40	-1.02%	N/A	N/A	N/A	N/A
K3	1900	HEAD	02/19/2025	20.3	21.1	0.10	5d141	7558	1364	3.99	40.20	39.90	-0.99%	2.07	21.00	20.70	-1.43%	N/A	N/A	N/A	N/A
J	1900	HEAD	02/25/2025	23.9	22.0	0.10	5d180	7406	1677	4.07	39.60	40.70	2.78%	2.14	20.70	21.40	3.38%	N/A	N/A	N/A	N/A
K3	1900	HEAD	03/05/2025	20.1	20.4	0.10	5d141	7558	1364	4.01	40.20	40.10	-0.50%	2.07	21.00	20.70	-1.43%	N/A	N/A	N/A	N/A
AM16	1900	HEAD	03/07/2025	19.2	19.1	0.10	5d180	7552	1676	4.16	39.20	41.60	6.12%	2.17	20.60	21.70	5.34%	N/A	N/A	N/A	N/A
AM16	1900	HEAD	03/10/2025	20.0	19.2	0.10	5d180	7552	1676	4.22	39.20	42.20	7.65%	2.21	20.60	22.10	7.28%	N/A	N/A	N/A	N/A
K2	1900	HEAD	03/10/2025	21.0	21.7	0.10	5d141	7558	1364	4.05	40.20	40.50	0.68%	2.09	21.00	20.90	-0.48%	N/A	N/A	N/A	N/A
K	1900	HEAD	03/26/2025	21.3	20.9	0.10	5d180	7570	1638	4.35	39.60	43.30	8.88%	2.25	20.70	22.50	8.70%	N/A	N/A	N/A	N/A
K3	1900	HEAD	03/27/2025	21.9	20.8	0.10	5d141	7558	1364	4.04	40.20	40.40	0.25%	2.10	21.00	21.00	0.00%	N/A	N/A	N/A	N/A
K2	1900	HEAD	03/28/2025	21.3	19.8	0.10	5d141	7558	1364	4.13	40.20	41.30	2.68%	2.16	21.00	21.60	2.86%	N/A	N/A	N/A	N/A
G	1900	HEAD	04/07/2025	23.9	22.5	0.10	5d180	7488	1415	4.35	39.60	43.50	9.85%	2.26	20.70	22.60	9.18%	N/A	N/A	N/A	N/A
E	1900	HEAD	04/16/2025	23.1	22.9	0.10	5d180	7409	1324	4.18	39.60	41.80	5.81%	2.18	20.70	21.80	5.31%	N/A	N/A	N/A	N/A
I	1900	HEAD	04/23/2025	23.7	22.6	0.10	5d180	7406	1677	4.22	39.60	43.20	9.09%	2.23	20.70	22.30	7.73%	N/A	N/A	N/A	N/A
AM10	2300	HEAD	03/05/2025	22.0	22.9	0.10	1038	7546	1462	4.68	49.10	46.80	-4.68%	2.22	23.70	22.20	-6.33%	N/A	N/A	N/A	N/A
AM10	2300	HEAD	03/11/2025	20.8	21.8	0.10	1064	7546	1462	4.78	49.20	47.80	-3.04%	2.23	23.80	22.30	-6.30%	N/A	N/A	N/A	N/A
K4	2300	HEAD	03/12/2025	20.9	20.8	0.10	1117	7565	1466	4.81	49.80	48.10	-3.41%	2.22	24.00	22.20	-7.53%	N/A	N/A	N/A	N/A
AM10	2300	HEAD	03/19/2025	20.1	22.0	0.10	1064	7546	1462	4.79	49.10	47.90	-2.84%	2.25	23.80	22.50	-5.46%	N/A	N/A	N/A	N/A
AM10	2300	HEAD	03/21/2025	21.5	23.0	0.10	1064	3837	793	4.91	49.10	49.10	-0.41%	2.33	23.80	23.30	-2.10%	N/A	N/A	N/A	N/A
C	2450	HEAD	03/20/2025	21.9	20.8	0.10	881	7713	1530	4.88	52.80	48.80	-5.79%	2.30	24.20	23.00	-5.10%	N/A	N/A	N/A	N/A
C	2450	HEAD	03/12/2025	23.8	22.9	0.10	797	7713	1530	5.03	52.00	50.30	-3.27%	2.37	24.40	23.70	-2.87%	N/A	N/A	N/A	N/A
K2	2450	HEAD	03/13/2025	22.7	21.3	0.10	845	7565	1466	5.66	53.40	56.60	5.98%	2.65	25.10	26.50	5.58%	N/A	N/A	N/A	N/A
C	2450	HEAD	03/17/2025	24.2	21.8	0.10	797	7713	1530	4.98	52.00	49.80	-4.23%	2.34	24.40	23.40	-4.10%	N/A	N/A	N/A	N/A
C	2450	HEAD	03/21/2025	23.5	22.2	0.10	797	7713	1530	4.95	52.00	49.50	-4.81%	2.34	24.40	23.40	-4.10%	N/A	N/A	N/A	N/A
AM10	2450	HEAD	03/31/2025	21.5	23.0	0.10	792	3837	793	5.28	52.60	53.90	2.47%	2.45	24.50	24.50	0.00%	N/A	N/A	N/A	N/A
E	2450	HEAD	04/01/2025	24.1	23.2	0.10	797	7713	1530	4.89	52.00	48.90	-5.96%	2.30	24.40	23.00	-5.74%	N/A	N/A	N/A	N/A
C	2450	HEAD	04/06/2025	21.9	21.6	0.10	881	7713	1530	5.13	51.80	51.30	2.90%	2.50	24.30	25.00	2.88%	N/A	N/A	N/A	N/A
C	2450	HEAD	04/07/2025	22.0	21.0	0.10	797	3914	728	4.84	52.00	48.40	-6.92%	2.27	24.40	22.70	-6.97%	N/A	N/A	N/A	N/A
L	2450	HEAD	04/13/2025	21.3	19.6	0.10	719	7660	1678	5.19	52.20	51.90	2.26%	2.50	24.60	25.00	1.63%	N/A	N/A	N/A	N/A
E	2450	HEAD	04/17/2025	21.9	21.5	0.10	881	7713	1530	4.86	51.80	48.60	-6.18%	2.29	24.30	22.90	-5.76%	N/A	N/A	N/A	N/A
E	2450	HEAD	04/17/2025	19.5	19.1	0.10	797	7660	1678	5.34	52.00	53.40	2.69%	2.49	24.40	24.90	2.05%	N/A	N/A	N/A	N/A
AM10	2600	HEAD	03/05/2025	22.0	22.9	0.10	1069	7546	1462	5.71	56.20	57.10	1.68%	2.69	25.50	26.90	-2.23%	N/A	N/A	N/A	N/A
K3	2600	HEAD	03/07/2025	22.7	21.3	0.10	1009	7565	1466	5.44	56.60	54.40	-3.89%	2.61	25.50	24.40	-3.53%	N/A	N/A	N/A	N/A
C	2600	HEAD	03/10/2025	21.9	20.8	0.10	1004	7713	1530	5.50	56.30	55.00	-2.31%	2.51	25.20	25.10	-0.40%	N/A	N/A	N/A	N/A
C	2600	HEAD	03/10/2025	23.8	22.9	0.10	1064	7713	1530	5.55	56.40	55.50	-1.60%	2.54	25.20	25.40	0.79%	N/A	N/A	N/A	N/A
K2	2600	HEAD	03/12/2025	22.7	21.3	0.10	1009	7565	1466	5.30	56.60	53.00	-6.36%	2.41	25.50	24.10	-5.49%	N/A	N/A	N/A	N/A
AM13	2600	HEAD	03/17/2025	19.8	19.5	0.10	1068	7682	1683	5.55	56.50	55.50	-1.77%	2.48	25.60	24.80	-2.86%	N/A	N/A	N/A	N/A
AM10	2600	HEAD	03/19/2025	20.1	22.0	0.10	1042	7546	1462	5.70	55.80	57.00	2.15%	2.47	24.90	24.70	-0.80%	N/A	N/A	N/A	N/A
AM10	2600	HEAD	03/31/2025	21.5	23.0	0.10	1042	3837	793	5.68	55.80	56.80	1.79%	2.49	24.90	24.90	0.00%	N/A	N/A	N/A	N/A
G	2600	HEAD	04/07/2025	23.0	22.0	0.10	1064	3914	728	5.66	56.40	56.60	0.35%	2.56	25.20	25.60	1.59%	N/A	N/A	N/A	N/A
AM7	2600	HEAD	04/16/2025	21.0	22.6	0.10	1042	7490	1644	5.49	55.80	54.90	-1.61%	2.38	24.60	23.80	-4.63%	N/A	N/A	N/A	N/A
E	2600	HEAD	04/17/2025	19.5	19.1	0.10	1064	7660	1678	5.72	56.40	57.20	1.42%	2.58	25.20	25.80	-2.38%	N/A	N/A	N/A	N/A
K4	3500	HEAD	03/13/2025	20.2	21.1	0.10	1127	7547	1322	6.26	65.60	62.60	-2.05%	2.37	24.80	23.70	-4.44%	N/A	N/A	N/A	N/A
K4	3500	HEAD	03/13/2025	19.4	20.7	0.10	1127	7491	1322	6.95	65.60	69.50	5.95%	2.60	24.80	26.00	4.84%	N/A	N/A	N/A	N/A
K4	3500	HEAD	03/19/2025	21.9	21.1	0.10	1127	7491	1322	6.87	65.60	68.70	4.73%	2.57	24.80	25.70	3.63%	N/A	N/A	N/A	N/A
K4	3500	HEAD	03/21/2025	21.9	20.8	0.10	1127	7491	1322	6.79	65.60	67.90	2.74%	2.54	24.80	25.40	2.42%	N/A	N/A	N/A	N/A
K4	3500	HEAD	03/26/2025	22.5	21.0	0.10	1127	7491	1322	6.93	65.60	69.30	5.64%	2.60	24.80	26.00	4.84%	N/A	N/A	N/A	N/A
I	3500	HEAD	04/02/2025	19.9	20.1	0.10	1097	7660	1678	6.30	65.40	63.00	-3.67%	2.42	24.70	24.20	-2.02%	N/A	N/A	N/A	N/A
K4	3700	HEAD	02/24/2025	20.2	19.1	0.10	1096	7547	1322	6.57	67.60	65.70	-2.81%	2.39	24.70	23.90	-3.24%	N/A	N/A	N/A	N/A
K4	3700	HEAD	03/12/2025	19.4	20.7	0.10	1096	7491	1322	7.07	67.60	70.70	4.58%	2.57	24.70	25.70	4.05%	N/A	N/A	N/A	N/A
K4	3700	HEAD	03/18/2025	21.9	21.1	0.10	1096	7491	1322	7.11	67.60	71.10	5.18%	2.58	24.70	25.90	4.86%	N/A	N/A	N/A	N/A
K4	3700	HEAD	03/21/2025	21.8	20.8	0.10	1096	7491	1322	7.09	67.60	70.90	4.88%	2.58	24.70	25.80	4.45%	N/A	N/A	N/A	N/A
K4	3700	HEAD	03/26/2025	22.5	21.0	0.10	1096	7491	1322	7.07	67.60	70.70	4.58%	2.58	24.70	25.80	4.45%	N/A	N/A	N/A	N/A
I	3700	HEAD	04/02/2025	19.9	20.1	0.10	1067	7660	1678	6.48	66.90	64.80	-3.14%	2.40	24.30	24.00	-1.23%	N/A	N/A	N/A	N/A
K4	3900	HEAD	03/19/2025	21.9	21.1	0.10	1074	7491	1322	7.16	68.70	71.60	4.22%	2.49	24.00	24.90	3.75%	N/A	N/A	N/A	N/A
I	3900	HEAD	04/02/2025	19.9	20.1	0.10	1056	7660	1678	6.83	68.20	68.30	0.15%	2.43	23.80	24.10	1.26%	N/A	N/A	N/A	N/A
S	5250	HEAD	03/06/2025	21.6	19.7	0.05	1191	7803	1581	3.79	78.90	75.80	-3.93%	1.09	22.70	21.80	-3.96%	N/A	N/A	N/A	N/A
S	5250	HEAD	03/21/2025	21.2	19.4	0.05	1191	7803	1581	3.67	78.90	73.40	-6.97%	1.06	22.70	21.20	-6.61%	N/A	N/A	N/A	N/A
S	5250	HEAD	03/26/2025	20.7	19.9	0.05	1057	7803	1581	3.76	78.60	75.20	-4.32%	1.11	22.70	22.20	-2.20%	N/A	N/A	N/A	N/A
S	5250	HEAD	03/31/2025	24.2	19.5	0.05	1191	7803	1581	3.62	78.90	72.40	-8.24%	1.06	22.70	21.20	-6.61%	N/A	N/A	N/A	N/A
S	5600	HEAD	03/10/2025	21.6	19.7	0.05	1191	7803	1581	4.01	83.00	80.20	-3.37%	1.15	23.90	23.00	-3.77%	N/A	N/A	N/A	N/A
S	5600	HEAD	03/21/2025	21.2	19.4	0.05	1191	7803	1581	3.86	83.00	77.20	-6.99%	1.11	23.90	22.20	-7.11%	N/A	N/A	N/A	N/A
S	5600	HEAD	03/26/2025	20.7	19.9	0.05	1191	7803	1581	3.97	83.00	79.40	-4.34%	1.14	23.90	22.80	-4.60%	N/A	N/A	N/A	N/A
S	5600	HEAD	03/31/2025	24.2	19.5	0.05	1191	7803	1581	3.81	83.00	76.20	-8.19%	1.10	23.90	22.00	-7.95%	N/A	N/A	N/A	N/A
S	5750	HEAD	03/05/2025	21.4	19.7	0.05	1191	7803	1581	3.68	78.90	73.60	-6.72%	1.07	22.40	21.40	-4.46%	N/A	N/A	N/A	N/A
S	5750	HEAD	03/21/2025	21.2	19.4	0.05	1191	7803	1581	3.72	78.90	74.40	-5.70%	1.07	22.40	21.40	-4.46%	N/A	N/A	N/A	N/A
S	5750	HEAD	03/26/2025	20.7	19.9	0.05	1191	7803	1581	3.57	78.90	71.40	-9.51%	1.04	22.40	20.80	-7.14%	N/A	N/A	N/A	N/A
S	5750	HEAD	03/31/2025	24.2	19.5	0.05	1191	7803	1581	3.60	78.90	72.00	-8.75%	1.04	22.40	20.80	-7.14%	N/A	N/A	N/A	N/A
S	5850	HEAD	03/10/2025	21.6	19.7	0.05	1191	7803	1581	3.86	78.80	77.20	-2.03%	1.09	22.50	21.80	-3.11%	N/A	N/A	N/A	N/A
S	5850	HEAD	03/21/2025	21.2	19.4	0.05	1191	7803	1581	3.60	78.80	72.00	-8.62%	1.02	22.50	20.40	-9.33%	N/A	N/A	N/A	N/A
S	5850	HEAD	03/26/2025	20.7	19.9	0.05	1191	7803	1581	3.73	78.80	74.60	-5.33%	1.07	22.50	21.40	-4.89%	N/A	N/A	N/A	N/A
S	5850	HEAD	03/31/2025	24.2	19.5	0.05	1191	7803	1581	3.710	78.800	74.100	-5.86%	1.06	22.50	21.20	-5.78%	N/A	N/A	N/A	N/A
K	6500	HEAD	03/12/2025	21.5	20.0	0.03	1018	7570	1638	7.440	292.000	297.600	1.92%	1.37	51.90	54.80	1.67%	32.20	1310.00	1228.00	1.17%
K	6500	HEAD	03/26/2025	23.9	21.8	0.03	1018	7570	1638	7.300	298.000	292.000	-2.01%	1.34	55.10	53.60	-2.68%	32.50	1350.00	1300.00	-3.70%
AM2	6500	HEAD	04/07/2025	21.7	20.4	0.03	1019	3949	1684	7.360	300.000	294.400	-1.87%	1.35	55.10	54.00	-2.00%	32.90	1340.00	1316.00	-1.79%
K	8000	HEAD	04/11/2025	21.3	21.4	0.01	1007	7570	1638	6.810	262.000	272.400	3.97%	1.17	44.70	46.40	4.70%	28.30	1095.00	1131.00	3.85%

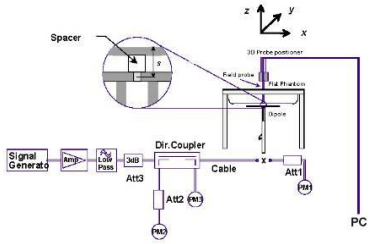


Figure 11-1
System Verification Setup Diagram

Figure 11-2
System Verification Setup Photo

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

11.3 Power Density Test System Verification

The system was verified to be within ±0.66 dB of the power density targets on the calibration certificate according to the test system specification in the user's manual and calibration facility recommendation. The 0.66 dB deviation threshold represents the expanded uncertainty for system performance checks using SPEAG's mmWave verification sources. The same spatial resolution and measurement region used in the source calibration was applied during the system check.

The measured power density distribution of verification source was also confirmed through visual inspection to have no noticeable differences, both spatially (shape) and numerically (level) from the distribution provided by the manufacturer, per November 2017 TCBC Workshop Notes.

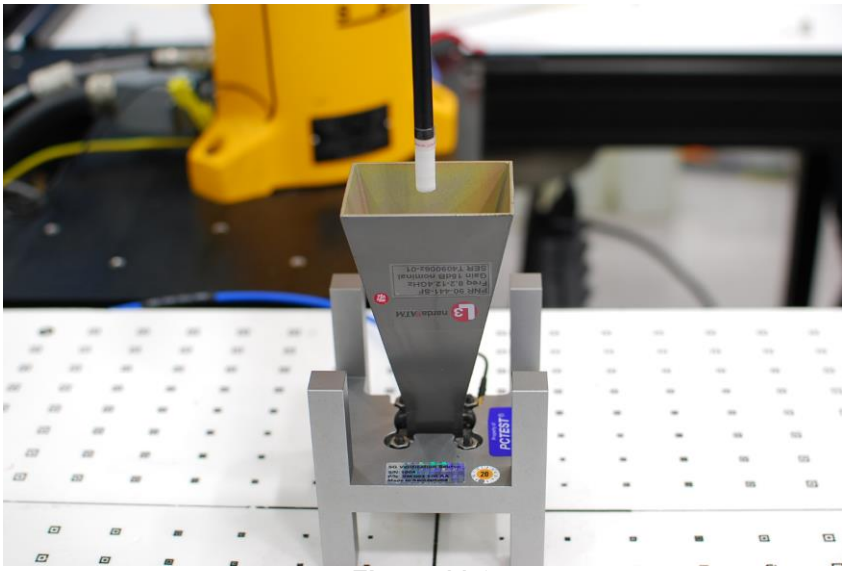


Figure 11-3
System Verification Setup Photo

Table 11-13
10 GHz Verifications

System Verification											
System	Frequency (GHz)	Date	Source S/N	Probe S/N	Prad (mW)	Normal psPD (W/m² over 4 cm²)		Deviation (dB)	Total psPD (W/m² over 4 cm²)		Deviation (dB)
						Measured	Target		Measured	Target	
Q	10	03/28/2025	1004	9389	93.3	51.00	56.70	-0.46	51.20	56.90	-0.46
Q	10	04/03/2025	1004	9389	93.3	60.50	56.70	0.28	60.80	56.90	0.29
Q	10	04/15/2025	1004	9389	93.3	51.20	53.80	-0.22	51.50	54.00	-0.21
Q	10	04/27/2025	1002	9389	93.3	49.30	53.80	-0.38	49.50	54.00	-0.38

Note: A **10 mm distance spacing** was used from the reference horn antenna aperture to the probe element.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12 SAR DATA SUMMARY

12.1 GSM 850 Standalone SAR

Table 12-1

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	GSM 850	GSM	A+C	0174M	1:8.3	0.03	836.60	190	33.5	32.40	Right Cheek	0	0.070	1.288	0.090	0.422	0.264		34.7	34.7	31.0
Head	GSM 850	GSM	A+C	0174M	1:8.3	-0.06	836.60	190	33.5	32.40	Right Tilt	0	0.034	1.288	0.044	0.205	0.128		37.8		
Head	GSM 850	GSM	A+C	0174M	1:8.3	0.07	836.60	190	33.5	32.40	Left Cheek	0	0.053	1.288	0.068	0.319	0.199		35.9		
Head	GSM 850	GSM	A+C	0174M	1:8.3	0.07	836.60	190	33.5	32.40	Left Tilt	0	0.032	1.288	0.041	0.193	0.121		38.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-2

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	GSM 850	GSM	A	0164M	1:8.3	0.08	836.60	190	33.5	32.40	Right Cheek	0	0.067	1.288	0.086	0.404	0.253		34.9	34.9	31.0
Head	GSM 850	GSM	A	0164M	1:8.3	0.09	836.60	190	33.5	32.40	Right Tilt	0	0.029	1.288	0.037	0.175	0.109		38.5		
Head	GSM 850	GSM	A	0164M	1:8.3	0.06	836.60	190	33.5	32.40	Left Cheek	0	0.048	1.288	0.062	0.289	0.181		36.3		
Head	GSM 850	GSM	A	0164M	1:8.3	0.07	836.60	190	33.5	32.40	Left Tilt	0	0.004	1.288	0.005	0.024	0.015		47.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-3 | Plot A1

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	GSM 850	GSM	E	0174M	1:8.3	-0.07	836.60	190	33.5	32.58	Right Cheek	0	0.120	1.236	0.148	0.538	0.336		32.5	29.9	29.9
Head	GSM 850	GSM	E	0174M	1:8.3	-0.04	836.60	190	33.5	32.58	Right Tilt	0	0.090	1.236	0.111	0.404	0.253		33.8		
Head	GSM 850	GSM	E	0174M	1:8.3	0.02	836.60	190	33.5	32.58	Left Cheek	0	0.221	1.236	0.273	0.992	0.620	Plot	29.9		
Head	GSM 850	GSM	E	0174M	1:8.3	-0.01	836.60	190	33.5	32.58	Left Tilt	0	0.154	1.236	0.190	0.691	0.432		31.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-4 | Plot A2

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	GPRS 850	GPRS 3 Tx Slots	A+C	0174M	1:2.76	0.02	836.60	190	30.5	29.10	Back	5	0.499	1.380	0.689	0.809	0.506	Plot	27.6	27.6	26.8
Body-worn/Hotspot	GPRS 850	GPRS 3 Tx Slots	A+C	0174M	1:2.76	-0.14	836.60	190	30.5	29.10	Front	5	0.121	1.380	0.167	0.196	0.123		33.8		
Hotspot	GPRS 850	GPRS 3 Tx Slots	A+C	0174M	1:2.76	0.01	836.60	190	30.5	29.10	Bottom	10	0.088	1.380	0.121	0.143	0.089		35.2		
Hotspot	GPRS 850	GPRS 3 Tx Slots	A+C	0174M	1:2.76	-0.06	836.60	190	30.5	29.10	Right	10	0.267	1.380	0.368	0.433	0.271		30.4		
Hotspot	GPRS 850	GPRS 3 Tx Slots	A+C	0174M	1:2.76	-0.01	836.60	190	30.5	29.10	Left	10	0.062	1.380	0.086	0.101	0.063		36.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-5

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	GPRS 850	GPRS 3 Tx Slots	A	0073M	1:2.76	-0.10	836.60	190	30.5	29.10	Back	5	0.164	1.380	0.226	0.266	0.166		32.5	32.5	26.8
Body-worn/Hotspot	GPRS 850	GPRS 3 Tx Slots	A	0174M	1:2.76	-0.07	836.60	190	30.5	29.10	Front	5	0.047	1.380	0.065	0.076	0.048		37.9		
Hotspot	GPRS 850	GPRS 3 Tx Slots	A	0174M	1:2.76	-0.06	836.60	190	30.5	29.10	Bottom	10	0.031	1.380	0.043	0.050	0.031		39.7		
Hotspot	GPRS 850	GPRS 3 Tx Slots	A	0174M	1:2.76	0.03	836.60	190	30.5	29.10	Right	10	0.051	1.380	0.070	0.083	0.052		37.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-6

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	GPRS 850	GPRS 3 Tx Slots	E	0174M	1:2.76	-0.10	824.20	128	30.5	28.70	Back	5	0.343	1.514	0.519	0.989	0.618		28.9	28.9	28.9
Body-worn/Hotspot	GPRS 850	GPRS 3 Tx Slots	E	0174M	1:2.76	0.05	824.20	128	30.5	28.70	Front	5	0.088	1.514	0.133	0.254	0.159		34.8		
Hotspot	GPRS 850	GPRS 3 Tx Slots	E	0174M	1:2.76	-0.17	824.20	128	30.5	28.70	Top	10	0.060	1.514	0.091	0.173	0.108		36.4		
Hotspot	GPRS 850	GPRS 3 Tx Slots	E	0174M	1:2.76	0.01	824.20	128	30.5	28.70	Right	10	0.074	1.514	0.112	0.213	0.133		35.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-7 | Plot A3

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 850	GPRS 4 Tx Slots	A+C	0073M	1:2.076	0.02	824.20	128	23.0	21.74	Back	0	0.643	1.337	0.860	0.946	0.592	Plot	20.4	20.4	18.8
Body	GPRS 850	GPRS 4 Tx Slots	A+C	0073M	1:2.076	0.04	836.60	190	23.0	21.60	Back	0	0.536	1.380	0.740	0.814	0.509		21.1		
Body	GPRS 850	GPRS 4 Tx Slots	A+C	0073M	1:2.076	0.06	848.80	251	23.0	21.35	Back	0	0.584	1.462	0.854	0.939	0.587		20.5		
Body	GPRS 850	GPRS 4 Tx Slots	A+C	0174M	1:2.076	0.09	824.20	128	23.0	21.74	Top	0	0.024	1.337	0.032	0.035	0.022		34.7		
Body	GPRS 850	GPRS 4 Tx Slots	A+C	0174M	1:2.076	0.03	824.20	128	23.0	21.74	Bottom	0	0.466	1.337	0.623	0.685	0.428		21.8		
Body	GPRS 850	GPRS 4 Tx Slots	A+C	0174M	1:2.076	0.01	824.20	128	23.0	21.74	Right	0	0.454	1.337	0.607	0.668	0.417		21.9		
Body	GPRS 850	GPRS 4 Tx Slots	A+C	0174M	1:2.076	-0.09	824.20	128	23.0	21.74	Left	0	0.022	1.337	0.029	0.032	0.020		35.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-8

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 850	GPRS 4 Tx Slots	E	0174M	1:2.076	0.06	824.20	128	22.0	20.75	Back	0	0.311	1.334	0.415	0.457	0.285		22.6	22.6	17.8
Body	GPRS 850	GPRS 4 Tx Slots	E	0174M	1:2.076	0.08	824.20	128	22.0	20.75	Top	0	0.234	1.334	0.312	0.343	0.215		23.8		
Body	GPRS 850	GPRS 4 Tx Slots	E	0174M	1:2.076	0.04	824.20	128	22.0	20.75	Bottom	0	0.002	1.334	0.003	0.003	0.002		44.5		
Body	GPRS 850	GPRS 4 Tx Slots	E	0174M	1:2.076	0.06	824.20	128	22.0	20.75	Right	0	0.270	1.334	0.360	0.396	0.248		23.2		
Body	GPRS 850	GPRS 4 Tx Slots	E	0174M	1:2.076	-0.08	824.20	128	22.0	20.75	Left	0	0.006	1.334	0.008	0.009	0.006		39.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.2 GSM 1900 Standalone SAR

Table 12-9 | Plot A4

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	GSM 1900	GSM	B	0164M	1:8.3	0.02	1880.00	661	31.0	29.79	Right Cheek	0	0.030	1.321	0.040	0.169	0.106		35.8	34.2	28.1
Head	GSM 1900	GSM	B	0164M	1:8.3	0.09	1880.00	661	31.0	29.79	Right Tilt	0	0.027	1.321	0.036	0.152	0.095		36.2		
Head	GSM 1900	GSM	B	0164M	1:8.3	-0.07	1880.00	661	31.0	29.79	Left Cheek	0	0.043	1.321	0.057	0.242	0.151	Plot	34.2		
Head	GSM 1900	GSM	B	0164M	1:8.3	-0.05	1880.00	661	31.0	29.79	Left Tilt	0	0.034	1.321	0.045	0.192	0.120		35.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-10 | Plot A5

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	GPRS 1900	GPRS 4 Tx Slots	B	2236M	1:2.076	0.01	1850.20	512	22.5	21.35	Back	5	0.565	1.303	0.736	0.810	0.506	Plot	20.6	20.6	18.3
Body-worn/Hotspot	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.01	1850.20	512	22.5	21.35	Front	5	0.268	1.303	0.349	0.384	0.240		23.8		
Hotspot	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.08	1850.20	512	22.5	21.35	Bottom	10	0.387	1.303	0.504	0.554	0.347		22.2		
Hotspot	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.01	1850.20	512	22.5	21.35	Left	10	0.045	1.303	0.059	0.065	0.041		31.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-11 | Plot A6

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.09	1850.20	512	16.0	15.30	Back	0	0.738	1.175	0.867	0.954	0.596		13.4	12.7	11.8
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.02	1880.00	661	16.0	15.10	Back	0	0.517	1.230	0.636	0.700	0.438		14.7		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.02	1909.80	810	16.0	15.27	Back	0	0.558	1.183	0.660	0.726	0.454		14.6		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.09	1850.20	512	16.0	15.30	Top	0	0.000	1.175	0.000	0.000	0.000		52.1		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.00	1850.20	512	16.0	15.30	Bottom	0	0.865	1.175	1.016	1.118	0.699	Plot	12.7		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	-0.05	1880.00	661	16.0	15.10	Bottom	0	0.607	1.230	0.747	0.822	0.514		14.0		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	-0.01	1909.80	810	16.0	15.27	Bottom	0	0.640	1.183	0.757	0.833	0.520		14.0		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.01	1850.20	512	16.0	15.30	Right	0	0.030	1.175	0.035	0.039	0.024		27.3		
Body	GPRS 1900	GPRS 4 Tx Slots	B	0164M	1:2.076	0.03	1850.20	512	16.0	15.30	Left	0	0.011	1.175	0.013	0.014	0.009		31.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.3 UMTS 850 Standalone SAR

Table 12-12

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	UMTS 850	RMC	A+C	1806M	1:1	0.01	826.40	4132	25.3	24.79	Right Cheek	0	9	0.156	1.125	0.176	0.441	0.276		32.8	32.8	29.3
Head	UMTS 850	RMC	A+C	1806M	1:1	-0.04	826.40	4132	25.3	24.79	Right Tilt	0	9	0.080	1.125	0.090	0.226	0.141		35.7		
Head	UMTS 850	RMC	A+C	1806M	1:1	0.02	826.40	4132	25.3	24.79	Left Cheek	0	9	0.094	1.125	0.106	0.266	0.166		35.0		
Head	UMTS 850	RMC	A+C	1806M	1:1	0.00	826.40	4132	25.3	24.79	Left Tilt	0	9	0.060	1.125	0.068	0.170	0.106		37.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-13

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	UMTS 850	RMC	A	1806M	1:1	0.02	826.40	4132	25.3	24.79	Right Cheek	0	100	0.060	1.125	0.068	0.170	0.106		37.0	37.0	29.3
Head	UMTS 850	RMC	A	1806M	1:1	0.02	826.40	4132	25.3	24.79	Right Tilt	0	100	0.036	1.125	0.041	0.102	0.064		39.2		
Head	UMTS 850	RMC	A	1806M	1:1	-0.03	826.40	4132	25.3	24.79	Left Cheek	0	100	0.051	1.125	0.057	0.144	0.090		37.7		
Head	UMTS 850	RMC	A	1806M	1:1	0.02	826.40	4132	25.3	24.79	Left Tilt	0	100	0.031	1.125	0.035	0.088	0.055		39.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-14 | Plot A7

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	UMTS 850	RMC	E	1792M	1:1	-0.07	826.40	4132	25.3	24.40	Right Cheek	0	0.142	1.230	0.175	0.528	0.330		32.8	30.1	30.1
Head	UMTS 850	RMC	E	1792M	1:1	-0.05	826.40	4132	25.3	24.40	Right Tilt	0	0.119	1.230	0.146	0.442	0.276		33.6		
Head	UMTS 850	RMC	E	1792M	1:1	0.02	826.40	4132	25.3	24.40	Left Cheek	0	0.268	1.230	0.330	0.996	0.623	Plot	30.1		
Head	UMTS 850	RMC	E	1792M	1:1	0.05	826.40	4132	25.3	24.40	Left Tilt	0	0.192	1.230	0.236	0.713	0.446		31.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-15 | Plot A8

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	UMTS 850	RMC	A+C	0174M	1:1	-0.03	826.40	4132	25.3	24.79	Back	5	27	0.520	1.125	0.585	0.585	0.366	Plot	27.6	27.6	25.2
Body-worn/Hotspot	UMTS 850	RMC	A+C	1792M	1:1	-0.02	826.40	4132	25.3	24.79	Front	5	9	0.189	1.125	0.213	0.213	0.133		32.0		
Hotspot	UMTS 850	RMC	A+C	1792M	1:1	-0.13	826.40	4132	25.3	24.79	Bottom	10	9	0.173	1.125	0.195	0.195	0.122		32.4		
Hotspot	UMTS 850	RMC	A+C	1792M	1:1	-0.05	826.40	4132	25.3	24.79	Right	10	9	0.308	1.125	0.347	0.347	0.217		29.9		
Hotspot	UMTS 850	RMC	A+C	1792M	1:1	-0.07	826.40	4132	25.3	24.79	Left	10	9	0.073	1.125	0.082	0.082	0.051		36.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-16

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	UMTS 850	RMC	A	0164M	1:1	0.05	826.40	4132	25.3	24.79	Back	5	9	0.434	1.125	0.488	0.488	0.305		28.4	28.4	25.2
Body-worn/Hotspot	UMTS 850	RMC	A	1792M	1:1	0.01	826.40	4132	25.3	24.79	Front	5	64	0.136	1.125	0.153	0.153	0.096		33.4		
Hotspot	UMTS 850	RMC	A	1792M	1:1	-0.02	826.40	4132	25.3	24.79	Bottom	10	64	0.089	1.125	0.100	0.100	0.063		35.2		
Hotspot	UMTS 850	RMC	A	1792M	1:1	-0.07	826.40	4132	25.3	24.79	Right	10	64	0.130	1.125	0.146	0.146	0.091		33.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-17

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	UMTS 850	RMC	E	1792M	1:1	-0.03	826.40	4132	25.3	24.40	Back	5	0.475	1.230	0.584	0.992	0.620		27.6	27.6	27.6
Body-worn/Hotspot	UMTS 850	RMC	E	1792M	1:1	-0.04	826.40	4132	25.3	24.40	Front	5	0.119	1.230	0.146	0.249	0.156		33.6		
Hotspot	UMTS 850	RMC	E	1792M	1:1	-0.09	826.40	4132	25.3	24.40	Top	10	0.109	1.230	0.134	0.228	0.143		34.0		
Hotspot	UMTS 850	RMC	E	1792M	1:1	-0.03	826.40	4132	25.3	24.40	Right	10	0.111	1.230	0.137	0.232	0.145		33.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-18

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 850	RMC	A+C	1792M	1:1	0.01	826.40	4132	19.0	18.51	Back	0	9	0.776	1.119	0.868	0.955	0.597		19.6	18.9	18.0
Body	UMTS 850	RMC	A+C	1792M	1:1	-0.02	836.60	4183	19.0	18.25	Back	0	9	0.793	1.189	0.943	1.037	0.648		19.2		
Body	UMTS 850	RMC	A+C	1792M	1:1	0.00	846.60	4233	19.0	18.06	Back	0	9	0.818	1.242	1.016	1.118	0.699		18.9		
Body	UMTS 850	RMC	A+C	1792M	1:1	-0.09	826.40	4132	19.0	18.51	Top	0	20	0.029	1.119	0.032	0.035	0.022		33.8		
Body	UMTS 850	RMC	A+C	1792M	1:1	-0.02	826.40	4132	19.0	18.51	Bottom	0	11	0.543	1.119	0.608	0.669	0.418		21.1		
Body	UMTS 850	RMC	A+C	1792M	1:1	-0.01	826.40	4132	19.0	18.51	Right	0	108	0.714	1.119	0.799	0.879	0.549		19.9		
Body	UMTS 850	RMC	A+C	1792M	1:1	-0.05	826.40	4132	19.0	18.51	Left	0	20	0.028	1.119	0.031	0.034	0.021		34.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-19 | Plot A9

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 850	RMC	E	1792M	1:1	0.01	826.40	4132	21.0	19.86	Back	0	0.852	1.300	1.108	1.219	0.762	Plot	20.5	20.3	20.0
Body	UMTS 850	RMC	E	1792M	1:1	0.00	836.60	4183	21.0	19.71	Back	0	0.851	1.346	1.145	1.260	0.788		20.4		
Body	UMTS 850	RMC	E	1792M	1:1	0.03	846.60	4233	21.0	19.42	Back	0	0.811	1.439	1.167	1.284	0.802		20.3		
Body	UMTS 850	RMC	E	1792M	1:1	-0.07	826.40	4132	21.0	19.86	Top	0	0.501	1.300	0.651	0.716	0.448		22.8		
Body	UMTS 850	RMC	E	1792M	1:1	-0.17	826.40	4132	21.0	19.86	Bottom	0	0.010	1.300	0.013	0.014	0.009		39.8		
Body	UMTS 850	RMC	E	1792M	1:1	0.01	826.40	4132	21.0	19.86	Right	0	0.554	1.300	0.720	0.792	0.495		22.4		
Body	UMTS 850	RMC	E	1792M	1:1	-0.04	826.40	4132	21.0	19.86	Left	0	0.015	1.300	0.020	0.022	0.014		38.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.4 UMTS 1750 Standalone SAR

Table 12-20 | Plot A10

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	UMTS 1750	RMC	B	1792M	1:1	0.00	1712.40	1312	24.5	23.26	Right Cheek	0	0.073	1.330	0.097	0.293	0.183		34.6	34.2	29.3
Head	UMTS 1750	RMC	B	1792M	1:1	-0.06	1712.40	1312	24.5	23.26	Right Tilt	0	0.038	1.330	0.051	0.153	0.096		37.4		
Head	UMTS 1750	RMC	B	1792M	1:1	0.01	1712.40	1312	24.5	23.26	Left Cheek	0	0.080	1.330	0.106	0.321	0.201	Plot	34.2		
Head	UMTS 1750	RMC	B	1792M	1:1	-0.05	1712.40	1312	24.5	23.26	Left Tilt	0	0.051	1.330	0.068	0.205	0.128		36.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-21 | Plot A11

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	UMTS 1750	RMC	B	0164M	1:1	0.01	1712.40	1312	19.0	17.66	Back	5	0.690	1.361	0.939	1.030	0.646		19.2	18.9	18.0
Body-worn/Hotspot	UMTS 1750	RMC	B	0164M	1:1	0.01	1732.40	1412	19.0	17.60	Back	5	0.728	1.380	1.005	1.110	0.691	Plot	18.9		
Body-worn/Hotspot	UMTS 1750	RMC	B	0164M	1:1	-0.01	1752.60	1513	19.0	17.65	Back	5	0.706	1.365	0.964	1.060	0.663		19.1		
Body-worn/Hotspot	UMTS 1750	RMC	B	1774M	1:1	0.11	1712.40	1312	19.0	17.66	Front	5	0.289	1.361	0.393	0.430	0.271		23.0		
Hotspot	UMTS 1750	RMC	B	1774M	1:1	0.05	1712.40	1312	19.0	17.66	Bottom	10	0.338	1.361	0.460	0.510	0.317		22.3		
Hotspot	UMTS 1750	RMC	B	1774M	1:1	0.05	1712.40	1312	19.0	17.66	Left	10	0.057	1.361	0.078	0.090	0.054		30.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-22 | Plot A12

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 1750	RMC	B	0174M	1:1	0.10	1712.40	1312	13.0	12.84	Back	0	0.594	1.038	0.617	0.679	0.425		15.1	14.3	12.0
Body	UMTS 1750	RMC	B	1774M	1:1	0.08	1712.40	1312	13.0	12.84	Top	0	0.000	1.038	0.000	0.000	0.000		52.8		
Body	UMTS 1750	RMC	B	1774M	1:1	0.04	1712.40	1312	13.0	12.84	Bottom	0	0.714	1.038	0.741	0.815	0.509	Plot	14.3		
Body	UMTS 1750	RMC	B	1774M	1:1	0.01	1712.40	1312	13.0	12.84	Right	0	0.014	1.038	0.015	0.017	0.010		31.3		
Body	UMTS 1750	RMC	B	1774M	1:1	0.01	1712.40	1312	13.0	12.84	Left	0	0.018	1.038	0.019	0.021	0.013		30.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.5 UMTS 1900 Standalone SAR

Table 12-23 | Plot A13

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	UMTS 1900	RMC	B	1755M	1:1	-0.04	1907.60	9538	24.8	23.68	Right Cheek	0	0.088	1.294	0.114	0.227	0.142		34.2	33.1	27.8
Head	UMTS 1900	RMC	B	1755M	1:1	-0.11	1907.60	9538	24.8	23.68	Right Tilt	0	0.086	1.294	0.111	0.222	0.139		34.3		
Head	UMTS 1900	RMC	B	1755M	1:1	-0.03	1907.60	9538	24.8	23.68	Left Cheek	0	0.114	1.294	0.148	0.294	0.184	Plot	33.1		
Head	UMTS 1900	RMC	B	1755M	1:1	-0.14	1907.60	9538	24.8	23.68	Left Tilt	0	0.082	1.294	0.106	0.212	0.133		34.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-24 | Plot A14

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	UMTS 1900	RMC	B	0164M	1:1	-0.02	1852.40	9262	19.0	17.80	Back	5	0.782	1.318	1.031	1.130	0.708	Plot	18.8	18.8	18.0
Body-worn/Hotspot	UMTS 1900	RMC	B	0164M	1:1	0.01	1880.00	9400	19.0	17.66	Back	5	0.742	1.361	1.010	1.110	0.694		18.9		
Body-worn/Hotspot	UMTS 1900	RMC	B	0164M	1:1	-0.04	1907.60	9538	19.0	17.93	Back	5	0.742	1.279	0.949	1.040	0.652		19.2		
Body-worn/Hotspot	UMTS 1900	RMC	B	1774M	1:1	0.07	1907.60	9538	19.0	17.93	Front	5	0.428	1.279	0.547	0.600	0.376		21.6		
Hotspot	UMTS 1900	RMC	B	1774M	1:1	-0.05	1907.60	9538	19.0	17.93	Bottom	10	0.514	1.279	0.657	0.720	0.452		20.8		
Hotspot	UMTS 1900	RMC	B	1774M	1:1	-0.03	1907.60	9538	19.0	17.93	Left	10	0.057	1.279	0.073	0.080	0.051		30.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-25 | Plot A15

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	UMTS 1900	RMC	B	0174M	1:1	0.01	1907.60	9538	13.0	12.93	Back	0	0.340	1.016	0.345	0.380	0.238		17.6	13.4	12.0
Body	UMTS 1900	RMC	B	1774M	1:1	0.01	1907.60	9538	13.0	12.93	Top	0	0.000	1.016	0.000	0.000	0.000		52.9		
Body	UMTS 1900	RMC	B	1774M	1:1	-0.03	1852.40	9262	13.0	12.66	Bottom	0	0.817	1.081	0.883	0.971	0.607		13.5		
Body	UMTS 1900	RMC	B	1774M	1:1	0.01	1880.00	9400	13.0	12.69	Bottom	0	0.826	1.074	0.887	0.976	0.609		13.5		
Body	UMTS 1900	RMC	B	1774M	1:1	0.00	1907.60	9538	13.0	12.93	Bottom	0	0.880	1.016	0.894	0.983	0.615	Plot	13.4		
Body	UMTS 1900	RMC	B	1774M	1:1	0.03	1907.60	9538	13.0	12.93	Right	0	0.029	1.016	0.029	0.032	0.020		28.3		
Body	UMTS 1900	RMC	B	1774M	1:1	0.09	1907.60	9538	13.0	12.93	Left	0	0.009	1.016	0.009	0.010	0.007		33.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.6 LTE Band 71 Standalone SAR

Table 12-26

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 71	20	QPSK	A+C	0171M	1:1	0.03	680.50	133297	0.0	25.2	24.59	1	0	Right Cheek	0	13	0.140	1.151	0.161	0.487	0.304		33.1	33.1	30.0
Head	LTE Band 71	20	QPSK	A+C	0171M	1:1	0.06	680.50	133297	1.0	24.2	23.46	50	0	Right Cheek	0	13	0.100	1.186	0.119	0.451	0.282		33.4		
Head	LTE Band 71	20	QPSK	A+C	0171M	1:1	0.04	680.50	133297	0.0	25.2	24.59	1	0	Right Tilt	0	47	0.070	1.151	0.081	0.243	0.152		36.1		
Head	LTE Band 71	20	QPSK	A+C	0171M	1:1	0.01	680.50	133297	1.0	24.2	23.46	50	0	Right Tilt	0	47	0.046	1.186	0.055	0.207	0.129		36.8		
Head	LTE Band 71	20	QPSK	A+C	0171M	1:1	-0.13	680.50	133297	0.0	25.2	24.59	1	0	Left Cheek	0	13	0.099	1.151	0.114	0.344	0.215		34.6		
Head	LTE Band 71	20	QPSK	A+C	0171M	1:1	-0.10	680.50	133297	1.0	24.2	23.46	50	0	Left Cheek	0	13	0.073	1.186	0.087	0.329	0.206		34.8		
Head	LTE Band 71	20	QPSK	A+C	0171M	1:1	0.02	680.50	133297	0.0	25.2	24.59	1	0	Left Tilt	0	12	0.059	1.151	0.068	0.205	0.128		36.8		
Head	LTE Band 71	20	QPSK	A+C	0171M	1:1	0.03	680.50	133297	1.0	24.2	23.46	50	0	Left Tilt	0	12	0.045	1.186	0.053	0.203	0.127		36.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-27

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 71	20	QPSK	A	0069M	1:1	0.13	680.50	133297	0.0	25.2	24.59	1	0	Right Cheek	0	99	0.070	1.151	0.081	0.243	0.152		36.1	36.1	30.0
Head	LTE Band 71	20	QPSK	A	0069M	1:1	0.04	680.50	133297	1.0	24.2	23.46	50	0	Right Cheek	0	99	0.047	1.186	0.056	0.212	0.133		36.7		
Head	LTE Band 71	20	QPSK	A	0069M	1:1	-0.04	680.50	133297	0.0	25.2	24.59	1	0	Right Tilt	0	99	0.037	1.151	0.043	0.129	0.081		38.9		
Head	LTE Band 71	20	QPSK	A	0069M	1:1	0.12	680.50	133297	1.0	24.2	23.46	50	0	Right Tilt	0	99	0.024	1.186	0.028	0.108	0.068		39.6		
Head	LTE Band 71	20	QPSK	A	0069M	1:1	0.18	680.50	133297	0.0	25.2	24.59	1	0	Left Cheek	0	63	0.050	1.151	0.058	0.174	0.109		37.6		
Head	LTE Band 71	20	QPSK	A	0069M	1:1	0.02	680.50	133297	1.0	24.2	23.46	50	0	Left Cheek	0	63	0.043	1.186	0.051	0.194	0.121		37.1		
Head	LTE Band 71	20	QPSK	A	0069M	1:1	-0.11	680.50	133297	0.0	25.2	24.59	1	0	Left Tilt	0	63	0.036	1.151	0.041	0.125	0.078		39.0		
Head	LTE Band 71	20	QPSK	A	0069M	1:1	0.04	680.50	133297	1.0	24.2	23.46	50	0	Left Tilt	0	63	0.024	1.186	0.028	0.108	0.068		39.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-28 | Plot A16

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 71	20	QPSK	E	0174M	1:1	-0.07	680.50	133297	0.0	25.2	24.52	1	0	Right Cheek	0	0.121	1.169	0.141	0.590	0.369		33.6	31.4	31.4
Head	LTE Band 71	20	QPSK	E	0174M	1:1	0.04	680.50	133297	1.0	24.2	23.34	50	0	Right Cheek	0	0.108	1.219	0.132	0.691	0.432		33.0		
Head	LTE Band 71	20	QPSK	E	0174M	1:1	-0.10	680.50	133297	0.0	25.2	24.52	1	0	Right Tilt	0	0.108	1.169	0.126	0.527	0.329		34.1		
Head	LTE Band 71	20	QPSK	E	0174M	1:1	-0.04	680.50	133297	1.0	24.2	23.34	50	0	Right Tilt	0	0.089	1.219	0.108	0.569	0.356		33.8		
Head	LTE Band 71	20	QPSK	E	0171M	1:1	-0.11	680.50	133297	0.0	25.2	24.52	1	0	Left Cheek	0	0.188	1.169	0.231	0.965	0.603		31.5		
Head	LTE Band 71	20	QPSK	E	0171M	1:1	0.06	680.50	133297	1.0	24.2	23.34	50	0	Left Cheek	0	0.150	1.219	0.183	0.960	0.600		31.5		
Head	LTE Band 71	20	QPSK	E	0171M	1:1	0.16	680.50	133297	0.0	25.2	24.52	1	0	Left Tilt	0	0.205	1.169	0.240	0.999	0.624	Plot	31.4		
Head	LTE Band 71	20	QPSK	E	0171M	1:1	0.06	680.50	133297	1.0	24.2	23.34	50	0	Left Tilt	0	0.155	1.219	0.189	0.992	0.620		31.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-29

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 71	20	QPSK	A+C	0069M	1:1	-0.06	680.50	133297	0.0	25.2	24.59	1	0	Back	5	47	0.594	1.151	0.684	0.881	0.551		26.8	26.8	26.3
Body-worn/Hotspot	LTE Band 71	20	QPSK	A+C	0069M	1:1	0.02	680.50	133297	1.0	24.2	23.46	50	0	Back	5	47	0.455	1.186	0.540	0.875	0.547		26.8		
Body-worn/Hotspot	LTE Band 71	20	QPSK	A+C	0164M	1:1	0.11	680.50	133297	0.0	25.2	24.59	1	0	Front	5	12	0.139	1.151	0.160	0.206	0.129		33.1		
Body-worn/Hotspot	LTE Band 71	20	QPSK	A+C	0164M	1:1	-0.04	680.50	133297	1.0	24.2	23.46	50	0	Front	5	12	0.107	1.186	0.127	0.206	0.129		33.1		
Hotspot	LTE Band 71	20	QPSK	A+C	0164M	1:1	0.12	680.50	133297	0.0	25.2	24.59	1	0	Bottom	10	12	0.139	1.151	0.160	0.206	0.129		33.1		
Hotspot	LTE Band 71	20	QPSK	A+C	0164M	1:1	0.04	680.50	133297	1.0	24.2	23.46	50	0	Bottom	10	12	0.108	1.186	0.128	0.208	0.130		33.1		
Hotspot	LTE Band 71	20	QPSK	A+C	0164M	1:1	0.08	680.50	133297	0.0	25.2	24.59	1	0	Right	10	0	0.343	1.151	0.395	0.509	0.318		29.2		
Hotspot	LTE Band 71	20	QPSK	A+C	0164M	1:1	-0.05	680.50	133297	1.0	24.2	23.46	50	0	Right	10	0	0.270	1.186	0.320	0.519	0.324		29.1		
Hotspot	LTE Band 71	20	QPSK	A+C	0069M	1:1	0.17	680.50	133297	0.0	25.2	24.59	1	0	Left	10	46	0.085	1.151	0.098	0.126	0.079		35.2		
Hotspot	LTE Band 71	20	QPSK	A+C	0069M	1:1	0.06	680.50	133297	1.0	24.2	23.46	50	0	Left	10	46	0.070	1.186	0.083	0.135	0.084		35.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-30

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 71	20	QPSK	A	0069M	1:1	0.02	680.50	133297	0.0	25.2	24.59	1	0	Back	5	63	0.417	1.151	0.480	0.618	0.386		28.3	28.3	26.3
Body-worn/Hotspot	LTE Band 71	20	QPSK	A	0069M	1:1	0.10	680.50	133297	1.0	24.2	23.46	50	0	Back	5	63	0.305	1.186	0.362	0.587	0.367		28.6		
Body-worn/Hotspot	LTE Band 71	20	QPSK	A	0069M	1:1	-0.08	680.50	133297	0.0	25.2	24.59	1	0	Front	5	63	0.105	1.151	0.121	0.156	0.098		34.3		
Body-worn/Hotspot	LTE Band 71	20	QPSK	A	0069M	1:1	0.06	680.50	133297	1.0	24.2	23.46	50	0	Front	5	63	0.079	1.186	0.094	0.152	0.095		34.4		
Hotspot	LTE Band 71	20	QPSK	A	0069M	1:1	-0.16	680.50	133297	0.0	25.2	24.59	1	0	Bottom	10	63	0.086	1.151	0.099	0.128	0.080		35.2		
Hotspot	LTE Band 71	20	QPSK	A	0069M	1:1	-0.04	680.50	133297	1.0	24.2	23.46	50	0	Bottom	10	63	0.066	1.186	0.078	0.127	0.079		35.2		
Hotspot	LTE Band 71	20	QPSK	A	0069M	1:1	-0.12	680.50	133297	0.0	25.2	24.59	1	0	Right	10	63	0.246	1.151	0.283	0.365	0.228		30.6		
Hotspot	LTE Band 71	20	QPSK	A	0069M	1:1	0.03	680.50	133297	1.0	24.2	23.46	50	0	Right	10	63	0.188	1.186	0.223	0.362	0.226		30.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-31 | Plot A17

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 71	20	QPSK	E	0069M	1:1	-0.14	680.50	133297	0.0	25.2	24.52	1	0	Back	5	0.640	1.169	0.748	0.964	0.603	Plot	26.4	26.4	26.3
Body-worn/Hotspot	LTE Band 71	20	QPSK	E	0069M	1:1	0.00	680.50	133297	1.0	24.2	23.34	50	0	Back	5	0.491	1.219	0.599	0.971	0.607		26.4		
Body-worn/Hotspot	LTE Band 71	20	QPSK	E	0171M	1:1	0.19	680.50	133297	0.0	25.2	24.52	1	0	Front	5	0.112	1.169	0.131	0.169	0.106		34.0		
Body-worn/Hotspot	LTE Band 71	20	QPSK	E	0171M	1:1	0.06	680.50	133297	1.0	24.2	23.34	50	0	Front	5	0.082	1.219	0.100	0.162	0.101		34.2		
Hotspot	LTE Band 71	20	QPSK	E	0171M	1:1	-0.02	680.50	133297	0.0	25.2	24.52	1	0	Top	10	0.136	1.169	0.159	0.205	0.128		33.1		
Hotspot	LTE Band 71	20	QPSK	E	0171M	1:1	-0.03	680.50	133297	1.0	24.2	23.34	50	0	Top	10	0.110	1.219	0.134	0.217	0.136		32.9		
Hotspot	LTE Band 71	20	QPSK	E	0171M	1:1	-0.12	680.50	133297	0.0	25.2	24.52	1	0	Right	10	0.217	1.169	0.254	0.327	0.204		31.1		
Hotspot	LTE Band 71	20	QPSK	E	0171M	1:1	0.00	680.50	133297	1.0	24.2	23.34	50	0	Right	10	0.165	1.219	0.201	0.326	0.204		31.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-32

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 71	20	QPSK	A+C	1851M	1:1	0.01	680.50	133297	0.0	19.5	18.72	1	0	Back	0	0	0.827	1.197	0.990	1.089	0.681		19.5	19.5	18.5
Body	LTE Band 71	20	QPSK	A+C	1851M	1:1	0.04	680.50	133297	0.0	19.5	18.75	50	0	Back	0	0	0.799	1.189	0.950	1.045	0.653		19.7		
Body	LTE Band 71	20	QPSK	A+C	1851M	1:1	0.06	680.50	133297	0.0	19.5	18.66	100	0	Back	0	0	0.772	1.213	0.936	1.030	0.644		19.7		
Body	LTE Band 71	20	QPSK	A+C	0069M	1:1	0.01	680.50	133297	0.0	19.5	18.72	1	0	Top	0	2	0.019	1.197	0.023	0.025	0.015		35.9		
Body	LTE Band 71	20	QPSK	A+C	0069M	1:1	-0.14	680.50	133297	0.0	19.5	18.75	50	0	Top	0	2	0.019	1.189	0.023	0.025	0.015		35.9		
Body	LTE Band 71	20	QPSK	A+C	0164M	1:1	-0.03	680.50	133297	0.0	19.5	18.72	1	0	Bottom	0	108	0.482	1.197	0.577	0.635	0.397		21.8		
Body	LTE Band 71	20	QPSK	A+C	0164M	1:1	-0.10	680.50	133297	0.0	19.5	18.75	50	0	Bottom	0	108	0.450	1.189	0.535	0.589	0.367		22.2		
Body	LTE Band 71	20	QPSK	A+C	0164M	1:1	-0.07	680.50	133297	0.0	19.5	18.72	1	0	Right	0	108	0.633	1.197	0.758	0.834	0.521		20.7		
Body	LTE Band 71	20	QPSK	A+C	0164M	1:1	-0.02	680.50	133297	0.0	19.5	18.75	50	0	Right	0	108	0.586	1.189	0.697	0.767	0.480		21.0		
Body	LTE Band 71	20	QPSK	A+C	0069M	1:1	-0.01	680.50	133297	0.0	19.5	18.72	1	0	Left	0	3	0.014	1.197	0.017	0.019	0.012		37.2		
Body	LTE Band 71	20	QPSK	A+C	0069M	1:1	0.01	680.50	133297	0.0	19.5	18.75	50	0	Left	0	3	0.016	1.189	0.019	0.021	0.013		36.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-33 | Plot A18

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 71	20	QPSK	E	0069M	1:1	0.02	680.50	133297	0.0	20.0	18.79	1	0	Back	0	0.850	1.321	1.123	1.235	0.772		19.4	19.2	19.0
Body	LTE Band 71	20	QPSK	E	0069M	1:1	0.03	680.50	133297	0.0	20.0	18.80	50	0	Back	0	0.805	1.318	1.061	1.167	0.729		19.7		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	0.00	680.50	133297	0.0	20.0	18.69	100	0	Back	0	0.811	1.352	1.096	1.206	0.754		19.5		
Body	LTE Band 71	20	QPSK	E	0171M	1:1	-0.05	680.50	133297	0.0	20.0	18.79	1	0	Top	0	0.813	1.321	1.074	1.181	0.738		19.6		
Body	LTE Band 71	20	QPSK	E	0171M	1:1	0.04	680.50	133297	0.0	20.0	18.80	50	0	Top	0	0.762	1.318	1.004	1.104	0.691		19.9		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	-0.02	680.50	133297	0.0	20.0	18.69	100	0	Top	0	0.885	1.352	1.197	1.317	0.823	Plot	19.2		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	0.01	680.50	133297	0.0	20.0	18.79	1	0	Bottom	0	0.008	1.321	0.011	0.012	0.008		39.7		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	0.01	680.50	133297	0.0	20.0	18.80	50	0	Bottom	0	0.009	1.318	0.012	0.013	0.009		39.2		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	0.00	680.50	133297	0.0	20.0	18.79	1	0	Right	0	0.783	1.321	1.034	1.137	0.711		19.8		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	-0.02	680.50	133297	0.0	20.0	18.80	50	0	Right	0	0.744	1.318	0.981	1.079	0.674		20.0		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	-0.01	680.50	133297	0.0	20.0	18.69	100	0	Right	0	0.687	1.352	0.929	1.022	0.639		20.3		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	0.03	680.50	133297	0.0	20.0	18.79	1	0	Left	0	0.013	1.321	0.017	0.019	0.012		37.6		
Body	LTE Band 71	20	QPSK	E	0069M	1:1	0.00	680.50	133297	0.0	20.0	18.80	50	0	Left	0	0.014	1.318	0.018	0.020	0.012		37.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.7 LTE Band 12 Standalone SAR

Table 12-34

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 12	10	QPSK	A+C	0171M	1:1	-0.09	707.50	23095	0.0	25.2	23.73	1	0	Right Cheek	0	11	0.121	1.403	0.170	0.347	0.217		32.9	32.3	28.3
Head	LTE Band 12	10	QPSK	A+C	0171M	1:1	-0.11	707.50	23095	1.0	24.2	22.79	25	25	Right Cheek	0	11	0.110	1.384	0.152	0.391	0.244		32.3		
Head	LTE Band 12	10	QPSK	A+C	0171M	1:1	-0.02	707.50	23095	0.0	25.2	23.73	1	0	Right Tilt	0	11	0.089	1.403	0.125	0.255	0.159		34.2		
Head	LTE Band 12	10	QPSK	A+C	0171M	1:1	-0.06	707.50	23095	1.0	24.2	22.79	25	25	Right Tilt	0	11	0.070	1.384	0.097	0.249	0.156		34.3		
Head	LTE Band 12	10	QPSK	A+C	0171M	1:1	0.08	707.50	23095	0.0	25.2	23.73	1	0	Left Cheek	0	11	0.093	1.403	0.130	0.266	0.166		34.0		
Head	LTE Band 12	10	QPSK	A+C	0171M	1:1	0.06	707.50	23095	1.0	24.2	22.79	25	25	Left Cheek	0	11	0.078	1.384	0.108	0.277	0.173		33.8		
Head	LTE Band 12	10	QPSK	A+C	0171M	1:1	-0.01	707.50	23095	0.0	25.2	23.73	1	0	Left Tilt	0	11	0.072	1.403	0.101	0.206	0.129		35.1		
Head	LTE Band 12	10	QPSK	A+C	0171M	1:1	-0.04	707.50	23095	1.0	24.2	22.79	25	25	Left Tilt	0	11	0.060	1.384	0.083	0.213	0.133		35.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-35

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 12	10	QPSK	A	0069M	1:1	-0.07	707.50	23095	0.0	25.2	23.73	1	0	Right Cheek	0	67	0.055	1.403	0.077	0.158	0.099		36.3	36.1	28.3
Head	LTE Band 12	10	QPSK	A	0069M	1:1	-0.10	707.50	23095	1.0	24.2	22.79	25	25	Right Cheek	0	67	0.046	1.384	0.064	0.164	0.103		36.1		
Head	LTE Band 12	10	QPSK	A	0069M	1:1	0.04	707.50	23095	0.0	25.2	23.73	1	0	Right Tilt	0	99	0.032	1.403	0.045	0.092	0.058		38.6		
Head	LTE Band 12	10	QPSK	A	0069M	1:1	-0.06	707.50	23095	1.0	24.2	22.79	25	25	Right Tilt	0	99	0.024	1.384	0.033	0.085	0.053		38.9		
Head	LTE Band 12	10	QPSK	A	0069M	1:1	0.03	707.50	23095	0.0	25.2	23.73	1	0	Left Cheek	0	9	0.053	1.403	0.074	0.152	0.095		36.4		
Head	LTE Band 12	10	QPSK	A	0069M	1:1	0.01	707.50	23095	1.0	24.2	22.79	25	25	Left Cheek	0	9	0.045	1.384	0.062	0.160	0.100		36.2		
Head	LTE Band 12	10	QPSK	A	0069M	1:1	0.09	707.50	23095	0.0	25.2	23.73	1	0	Left Tilt	0	9	0.026	1.403	0.036	0.074	0.046		39.5		
Head	LTE Band 12	10	QPSK	A	0069M	1:1	-0.13	707.50	23095	1.0	24.2	22.79	25	25	Left Tilt	0	9	0.019	1.384	0.026	0.068	0.043		40.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-36 | Plot A19

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 12	10	QPSK	E	0174M	1:1	-0.01	707.50	23095	0.0	25.2	24.13	1	0	Right Cheek	0	0.183	1.279	0.234	0.660	0.413		31.5	29.7	29.7
Head	LTE Band 12	10	QPSK	E	0174M	1:1	-0.03	707.50	23095	1.0	24.2	22.90	25	25	Right Cheek	0	0.159	1.349	0.214	0.761	0.476		30.8		
Head	LTE Band 12	10	QPSK	E	0174M	1:1	-0.08	707.50	23095	0.0	25.2	24.13	1	0	Right Tilt	0	0.136	1.279	0.174	0.490	0.306		32.7		
Head	LTE Band 12	10	QPSK	E	0174M	1:1	-0.01	707.50	23095	1.0	24.2	22.90	25	25	Right Tilt	0	0.116	1.349	0.156	0.555	0.347		32.2		
Head	LTE Band 12	10	QPSK	E	0171M	1:1	0.03	707.50	23095	0.0	25.2	24.13	1	0	Left Cheek	0	0.239	1.279	0.306	0.862	0.539	Plot	30.3		
Head	LTE Band 12	10	QPSK	E	0171M	1:1	0.05	707.50	23095	1.0	24.2	22.90	25	25	Left Cheek	0	0.206	1.349	0.278	0.986	0.616		29.7		
Head	LTE Band 12	10	QPSK	E	0171M	1:1	0.06	707.50	23095	0.0	25.2	24.13	1	0	Left Tilt	0	0.234	1.279	0.299	0.844	0.528		30.4		
Head	LTE Band 12	10	QPSK	E	0171M	1:1	0.08	707.50	23095	1.0	24.2	22.90	25	25	Left Tilt	0	0.205	1.349	0.277	0.981	0.613		29.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-37

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 12	10	QPSK	A+C	0069M	1:1	-0.03	707.50	23095	0.0	25.2	23.73	1	0	Back	5	10	0.642	1.403	0.901	0.901	0.563		25.6	25.3	24.8
Body-worn/Hotspot	LTE Band 12	10	QPSK	A+C	0069M	1:1	-0.01	707.50	23095	1.0	24.2	22.79	25	25	Back	5	10	0.550	1.384	0.761	0.874	0.546		25.3		
Body-worn/Hotspot	LTE Band 12	10	QPSK	A+C	0069M	1:1	-0.02	707.50	23095	1.0	24.2	22.77	50	0	Back	5	10	0.526	1.390	0.731	0.839	0.524		25.5		
Body-worn/Hotspot	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.01	707.50	23095	0.0	25.2	23.73	1	0	Front	5	10	0.149	1.403	0.209	0.209	0.131		31.9		
Body-worn/Hotspot	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.04	707.50	23095	1.0	24.2	22.79	25	25	Front	5	10	0.128	1.384	0.177	0.203	0.127		31.7		
Hotspot	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.01	707.50	23095	0.0	25.2	23.73	1	0	Bottom	10	11	0.155	1.403	0.217	0.217	0.136		31.8		
Hotspot	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.02	707.50	23095	1.0	24.2	22.79	25	25	Bottom	10	11	0.131	1.384	0.181	0.208	0.130		31.6		
Hotspot	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.09	707.50	23095	0.0	25.2	23.73	1	0	Right	10	10	0.288	1.403	0.404	0.404	0.253		29.1		
Hotspot	LTE Band 12	10	QPSK	A+C	0164M	1:1	0.02	707.50	23095	1.0	24.2	22.79	25	25	Right	10	10	0.253	1.384	0.350	0.402	0.251		28.7		
Hotspot	LTE Band 12	10	QPSK	A+C	0069M	1:1	-0.05	707.50	23095	0.0	25.2	23.73	1	0	Left	10	11	0.098	1.403	0.137	0.137	0.086		33.8		
Hotspot	LTE Band 12	10	QPSK	A+C	0069M	1:1	-0.08	707.50	23095	1.0	24.2	22.79	25	25	Left	10	11	0.086	1.384	0.119	0.137	0.086		33.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-38

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 12	10	QPSK	A	1851M	1:1	0.08	707.50	23095	0.0	25.2	23.73	1	0	Back	5	101	0.385	1.403	0.540	0.540	0.338		27.8	27.5	24.8
Body-worn/Hotspot	LTE Band 12	10	QPSK	A	1851M	1:1	-0.01	707.50	23095	1.0	24.2	22.79	25	25	Back	5	101	0.331	1.384	0.458	0.526	0.329		27.5		
Body-worn/Hotspot	LTE Band 12	10	QPSK	A	0069M	1:1	0.07	707.50	23095	0.0	25.2	23.73	1	0	Front	5	67	0.110	1.403	0.154	0.154	0.096		33.3		
Body-worn/Hotspot	LTE Band 12	10	QPSK	A	0069M	1:1	-0.02	707.50	23095	1.0	24.2	22.79	25	25	Front	5	67	0.094	1.384	0.130	0.149	0.093		33.0		
Hotspot	LTE Band 12	10	QPSK	A	0069M	1:1	0.03	707.50	23095	0.0	25.2	23.73	1	0	Bottom	10	9	0.059	1.403	0.083	0.083	0.052		36.0		
Hotspot	LTE Band 12	10	QPSK	A	0069M	1:1	-0.06	707.50	23095	1.0	24.2	22.79	25	25	Bottom	10	9	0.050	1.384	0.069	0.079	0.049		35.8		
Hotspot	LTE Band 12	10	QPSK	A	0069M	1:1	-0.02	707.50	23095	0.0	25.2	23.73	1	0	Right	10	9	0.140	1.403	0.196	0.196	0.123		32.2		
Hotspot	LTE Band 12	10	QPSK	A	0069M	1:1	-0.01	707.50	23095	1.0	24.2	22.79	25	25	Right	10	9	0.127	1.384	0.176	0.202	0.126		31.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-39 | Plot A20

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 12	10	QPSK	E	0069M	1:1	-0.17	707.50	23095	0.0	25.2	24.13	1	0	Back	5	0.783	1.279	1.001	1.001	0.626	Plot	25.1	24.7	24.7
Body-worn/Hotspot	LTE Band 12	10	QPSK	E	0069M	1:1	0.02	707.50	23095	1.0	24.2	22.90	25	25	Back	5	0.647	1.349	0.873	0.980	0.613		24.7		
Body-worn/Hotspot	LTE Band 12	10	QPSK	E	0069M	1:1	-0.06	707.50	23095	1.0	24.2	22.85	50	0	Back	5	0.624	1.365	0.852	0.955	0.597		24.8		
Body-worn/Hotspot	LTE Band 12	10	QPSK	E	0171M	1:1	-0.04	707.50	23095	0.0	25.2	24.13	1	0	Front	5	0.121	1.279	0.155	0.155	0.097		33.3		
Body-worn/Hotspot	LTE Band 12	10	QPSK	E	0171M	1:1	-0.01	707.50	23095	1.0	24.2	22.90	25	25	Front	5	0.102	1.349	0.138	0.154	0.096		32.8		
Hotspot	LTE Band 12	10	QPSK	E	0171M	1:1	-0.03	707.50	23095	0.0	25.2	24.13	1	0	Top	10	0.151	1.279	0.193	0.193	0.121		32.3		
Hotspot	LTE Band 12	10	QPSK	E	0171M	1:1	-0.05	707.50	23095	1.0	24.2	22.90	25	25	Top	10	0.126	1.349	0.170	0.191	0.119		31.8		
Hotspot	LTE Band 12	10	QPSK	E	0171M	1:1	0.01	707.50	23095	0.0	25.2	24.13	1	0	Right	10	0.197	1.279	0.252	0.252	0.158		31.1		
Hotspot	LTE Band 12	10	QPSK	E	0171M	1:1	-0.02	707.50	23095	1.0	24.2	22.90	25	25	Right	10	0.165	1.349	0.223	0.250	0.156		30.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-40

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 12	10	QPSK	A+C	0069M	1:1	-0.17	707.50	23095	0.0	19.5	18.03	1	0	Back	0	10	0.823	1.403	1.155	1.271	0.794		18.8	18.8	18.5
Body	LTE Band 12	10	QPSK	A+C	0069M	1:1	0.02	707.50	23095	0.0	19.5	17.99	25	25	Back	0	10	0.807	1.416	1.143	1.257	0.785		18.9		
Body	LTE Band 12	10	QPSK	A+C	0069M	1:1	0.00	707.50	23095	0.0	19.5	17.95	50	0	Back	0	10	0.779	1.429	1.113	1.224	0.766		19.0		
Body	LTE Band 12	10	QPSK	A+C	0069M	1:1	0.03	707.50	23095	0.0	19.5	18.03	1	0	Top	0	9	0.015	1.403	0.021	0.023	0.014		36.2		
Body	LTE Band 12	10	QPSK	A+C	0069M	1:1	-0.08	707.50	23095	0.0	19.5	17.99	25	25	Top	0	9	0.018	1.416	0.025	0.028	0.018		35.4		
Body	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.03	707.50	23095	0.0	19.5	18.03	1	0	Bottom	0	10	0.541	1.403	0.759	0.835	0.521		20.6		
Body	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.05	707.50	23095	0.0	19.5	17.99	25	25	Bottom	0	10	0.543	1.416	0.769	0.846	0.529		20.6		
Body	LTE Band 12	10	QPSK	A+C	0164M	1:1	0.02	707.50	23095	0.0	19.5	18.03	1	0	Right	0	108	0.752	1.403	1.055	1.161	0.725		19.2		
Body	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.02	707.50	23095	0.0	19.5	17.99	25	25	Right	0	108	0.747	1.416	1.058	1.164	0.727		19.2		
Body	LTE Band 12	10	QPSK	A+C	0164M	1:1	-0.10	707.50	23095	0.0	19.5	17.95	50	0	Right	0	108	0.762	1.429	1.089	1.198	0.749		19.1		
Body	LTE Band 12	10	QPSK	A+C	0069M	1:1	0.02	707.50	23095	0.0	19.5	18.03	1	0	Left	0	21	0.019	1.403	0.027	0.030	0.019		35.2		
Body	LTE Band 12	10	QPSK	A+C	0069M	1:1	-0.04	707.50	23095	0.0	19.5	17.99	25	25	Left	0	21	0.020	1.416	0.028	0.031	0.020		34.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-41 | Plot A21

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 12	10	QPSK	E	0069M	1:1	-0.11	707.50	23095	0.0	20.0	19.12	1	0	Back	0	0.868	1.225	1.063	1.169	0.730		19.7	19.0	19.0
Body	LTE Band 12	10	QPSK	E	0069M	1:1	-0.21	707.50	23095	0.0	20.0	19.21	25	25	Back	0	0.907	1.199	1.087	1.196	0.747		19.6		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	0.03	707.50	23095	0.0	20.0	18.90	50	0	Back	0	0.892	1.288	1.149	1.264	0.790		19.3		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	-0.04	707.50	23095	0.0	20.0	19.12	1	0	Top	0	0.958	1.225	1.174	1.291	0.807		19.3		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	0.00	707.50	23095	0.0	20.0	19.21	25	25	Top	0	1.030	1.199	1.235	1.359	0.849	Plot	19.0		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	0.01	707.50	23095	0.0	20.0	19.21	25	25	Top	0	0.952	1.199	1.141	1.255	0.784		19.4		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	0.04	707.50	23095	0.0	20.0	18.90	50	0	Top	0	0.948	1.288	1.221	1.343	0.839		19.1		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	-0.20	707.50	23095	0.0	20.0	19.12	1	0	Bottom	0	0.010	1.225	0.012	0.013	0.009		39.1		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	0.04	707.50	23095	0.0	20.0	19.21	25	25	Bottom	0	0.014	1.199	0.017	0.019	0.012		37.7		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	0.02	707.50	23095	0.0	20.0	19.12	1	0	Right	0	0.676	1.225	0.828	0.911	0.570		20.8		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	-0.01	707.50	23095	0.0	20.0	19.21	25	25	Right	0	0.656	1.199	0.787	0.866	0.541		21.0		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	-0.01	707.50	23095	0.0	20.0	18.90	50	0	Right	0	0.691	1.288	0.890	0.979	0.612		20.5		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	-0.10	707.50	23095	0.0	20.0	19.12	1	0	Left	0	0.016	1.225	0.020	0.022	0.014		37.0		
Body	LTE Band 12	10	QPSK	E	0069M	1:1	-0.05	707.50	23095	0.0	20.0	19.21	25	25	Left	0	0.016	1.199	0.019	0.021	0.013		37.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Blue entry represents variability measurement

12.8 LTE Band 13 Standalone SAR

Table 12-42

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 13	10	QPSK	A+C	0171M	1:1	0.03	782.00	23230	0.0	25.5	24.85	1	0	Right Cheek	0	10	0.148	1.161	0.172	0.320	0.200		33.1	32.7	28.2
Head	LTE Band 13	10	QPSK	A+C	0171M	1:1	-0.03	782.00	23230	1.0	24.5	23.90	25	0	Right Cheek	0	10	0.129	1.148	0.148	0.347	0.217		32.7		
Head	LTE Band 13	10	QPSK	A+C	0171M	1:1	-0.08	782.00	23230	0.0	25.5	24.85	1	0	Right Tilt	0	10	0.095	1.161	0.110	0.205	0.128		35.0		
Head	LTE Band 13	10	QPSK	A+C	0171M	1:1	0.00	782.00	23230	1.0	24.5	23.90	25	0	Right Tilt	0	10	0.074	1.148	0.085	0.199	0.124		35.2		
Head	LTE Band 13	10	QPSK	A+C	0171M	1:1	-0.07	782.00	23230	0.0	25.5	24.85	1	0	Left Cheek	0	47	0.096	1.161	0.111	0.208	0.130		35.0		
Head	LTE Band 13	10	QPSK	A+C	0171M	1:1	-0.03	782.00	23230	1.0	24.5	23.90	25	0	Left Cheek	0	47	0.081	1.148	0.093	0.218	0.136		34.8		
Head	LTE Band 13	10	QPSK	A+C	0171M	1:1	0.07	782.00	23230	0.0	25.5	24.85	1	0	Left Tilt	0	82	0.066	1.161	0.077	0.143	0.089		36.6		
Head	LTE Band 13	10	QPSK	A+C	0171M	1:1	-0.16	782.00	23230	1.0	24.5	23.90	25	0	Left Tilt	0	82	0.061	1.148	0.070	0.164	0.103		36.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-43

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 13	10	QPSK	A	0069M	1:1	0.02	782.00	23230	0.0	25.5	24.85	1	0	Right Cheek	0	28	0.083	1.161	0.096	0.180	0.113		35.6	35.6	28.2
Head	LTE Band 13	10	QPSK	A	0069M	1:1	0.09	782.00	23230	1.0	24.5	23.90	25	0	Right Cheek	0	28	0.062	1.148	0.071	0.167	0.104		35.9		
Head	LTE Band 13	10	QPSK	A	0069M	1:1	0.07	782.00	23230	0.0	25.5	24.85	1	0	Right Tilt	0	27	0.045	1.161	0.052	0.097	0.061		38.3		
Head	LTE Band 13	10	QPSK	A	0069M	1:1	0.01	782.00	23230	1.0	24.5	23.90	25	0	Right Tilt	0	27	0.034	1.148	0.039	0.092	0.058		38.5		
Head	LTE Band 13	10	QPSK	A	0069M	1:1	-0.03	782.00	23230	0.0	25.5	24.85	1	0	Left Cheek	0	9	0.065	1.161	0.075	0.141	0.088		36.7		
Head	LTE Band 13	10	QPSK	A	0069M	1:1	0.09	782.00	23230	1.0	24.5	23.90	25	0	Left Cheek	0	9	0.057	1.148	0.065	0.153	0.096		36.3		
Head	LTE Band 13	10	QPSK	A	0069M	1:1	0.04	782.00	23230	0.0	25.5	24.85	1	0	Left Tilt	0	63	0.033	1.161	0.038	0.071	0.044		39.6		
Head	LTE Band 13	10	QPSK	A	0069M	1:1	-0.05	782.00	23230	1.0	24.5	23.90	25	0	Left Tilt	0	63	0.028	1.148	0.032	0.075	0.047		39.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-44 | Plot A22

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 13	10	QPSK	E	0174M	1:1	0.03	782.00	23230	0.0	25.5	25.18	1	25	Right Cheek	0	0.298	1.076	0.321	0.597	0.373		30.4	28.2	28.2
Head	LTE Band 13	10	QPSK	E	0174M	1:1	-0.01	782.00	23230	1.0	24.5	24.15	25	0	Right Cheek	0	0.233	1.084	0.253	0.592	0.370		30.4		
Head	LTE Band 13	10	QPSK	E	0174M	1:1	0.09	782.00	23230	0.0	25.5	25.18	1	25	Right Tilt	0	0.187	1.076	0.201	0.375	0.234		32.4		
Head	LTE Band 13	10	QPSK	E	0174M	1:1	-0.02	782.00	23230	1.0	24.5	24.15	25	0	Right Tilt	0	0.148	1.084	0.160	0.376	0.235		32.4		
Head	LTE Band 13	10	QPSK	E	0171M	1:1	-0.05	782.00	23230	0.0	25.5	25.18	1	25	Left Cheek	0	0.493	1.076	0.530	0.988	0.618	Plot	28.2		
Head	LTE Band 13	10	QPSK	E	0171M	1:1	-0.02	782.00	23230	1.0	24.5	24.15	25	0	Left Cheek	0	0.378	1.084	0.410	0.960	0.600		28.3		
Head	LTE Band 13	10	QPSK	E	0171M	1:1	-0.03	782.00	23230	0.0	25.5	25.18	1	25	Left Tilt	0	0.393	1.076	0.423	0.788	0.493		29.2		
Head	LTE Band 13	10	QPSK	E	0171M	1:1	0.00	782.00	23230	1.0	24.5	24.15	25	0	Left Tilt	0	0.304	1.084	0.330	0.772	0.483		29.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-45

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 13	10	QPSK	A+C	1851M	1:1	0.10	782.00	23230	0.0	25.5	24.85	1	0	Back	5	10	0.668	1.161	0.776	0.776	0.485		26.6	26.5	25.4
Body-worn/Hotspot	LTE Band 13	10	QPSK	A+C	1851M	1:1	0.04	782.00	23230	1.0	24.5	23.90	25	0	Back	5	10	0.546	1.148	0.627	0.771	0.482		26.5		
Body-worn/Hotspot	LTE Band 13	10	QPSK	A+C	0164M	1:1	0.08	782.00	23230	0.0	25.5	24.85	1	0	Front	5	10	0.173	1.161	0.201	0.201	0.126		32.4		
Body-worn/Hotspot	LTE Band 13	10	QPSK	A+C	0164M	1:1	-0.01	782.00	23230	1.0	24.5	23.90	25	0	Front	5	10	0.134	1.148	0.154	0.189	0.118		32.6		
Hotspot	LTE Band 13	10	QPSK	A+C	0164M	1:1	0.03	782.00	23230	0.0	25.5	24.85	1	0	Bottom	10	0	0.164	1.161	0.190	0.190	0.119		32.7		
Hotspot	LTE Band 13	10	QPSK	A+C	0164M	1:1	0.01	782.00	23230	1.0	24.5	23.90	25	0	Bottom	10	0	0.128	1.148	0.147	0.181	0.113		32.8		
Hotspot	LTE Band 13	10	QPSK	A+C	0164M	1:1	0.05	782.00	23230	0.0	25.5	24.85	1	0	Right	10	0	0.375	1.161	0.435	0.435	0.272		29.1		
Hotspot	LTE Band 13	10	QPSK	A+C	0164M	1:1	-0.13	782.00	23230	1.0	24.5	23.90	25	0	Right	10	0	0.313	1.148	0.359	0.442	0.276		28.9		
Hotspot	LTE Band 13	10	QPSK	A+C	0069M	1:1	0.07	782.00	23230	0.0	25.5	24.85	1	0	Left	10	0	0.118	1.161	0.137	0.137	0.086		34.1		
Hotspot	LTE Band 13	10	QPSK	A+C	0069M	1:1	-0.01	782.00	23230	1.0	24.5	23.90	25	0	Left	10	0	0.094	1.148	0.108	0.133	0.083		34.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-46

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 13	10	QPSK	A	0069M	1:1	-0.11	782.00	23230	0.0	25.5	24.85	1	0	Back	5	27	0.621	1.161	0.721	0.721	0.451		26.9	26.9	25.4
Body-worn/Hotspot	LTE Band 13	10	QPSK	A	0069M	1:1	-0.09	782.00	23230	1.0	24.5	23.90	25	0	Back	5	27	0.487	1.148	0.559	0.688	0.430		27.0		
Body-worn/Hotspot	LTE Band 13	10	QPSK	A	0069M	1:1	0.06	782.00	23230	0.0	25.5	24.85	1	0	Front	5	63	0.199	1.161	0.231	0.231	0.144		31.8		
Body-worn/Hotspot	LTE Band 13	10	QPSK	A	0069M	1:1	-0.12	782.00	23230	1.0	24.5	23.90	25	0	Front	5	63	0.162	1.148	0.186	0.229	0.143		31.8		
Hotspot	LTE Band 13	10	QPSK	A	0069M	1:1	0.08	782.00	23230	0.0	25.5	24.85	1	0	Bottom	10	27	0.118	1.161	0.137	0.137	0.086		34.1		
Hotspot	LTE Band 13	10	QPSK	A	0069M	1:1	0.00	782.00	23230	1.0	24.5	23.90	25	0	Bottom	10	27	0.091	1.148	0.104	0.129	0.081		34.3		
Hotspot	LTE Band 13	10	QPSK	A	0069M	1:1	0.00	782.00	23230	0.0	25.5	24.85	1	0	Right	10	63	0.221	1.161	0.257	0.257	0.161		31.4		
Hotspot	LTE Band 13	10	QPSK	A	0069M	1:1	-0.01	782.00	23230	1.0	24.5	23.90	25	0	Right	10	63	0.171	1.148	0.196	0.242	0.151		31.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-47 | Plot A23

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 13	10	QPSK	E	0069M	1:1	0.08	782.00	23230	0.0	25.5	25.18	1	25	Back	5	0.692	1.076	0.745	0.960	0.600	Plot	26.7	26.6	26.6
Body-worn/Hotspot	LTE Band 13	10	QPSK	E	0069M	1:1	-0.06	782.00	23230	1.0	24.5	24.15	25	0	Back	5	0.556	1.084	0.603	0.977	0.611		26.6		
Body-worn/Hotspot	LTE Band 13	10	QPSK	E	0171M	1:1	-0.15	782.00	23230	0.0	25.5	25.18	1	25	Front	5	0.183	1.076	0.197	0.254	0.159		32.5		
Body-worn/Hotspot	LTE Band 13	10	QPSK	E	0171M	1:1	-0.06	782.00	23230	1.0	24.5	24.15	25	0	Front	5	0.132	1.084	0.143	0.232	0.145		32.9		
Hotspot	LTE Band 13	10	QPSK	E	0171M	1:1	-0.06	782.00	23230	0.0	25.5	25.18	1	25	Top	10	0.179	1.076	0.193	0.248	0.155		32.6		
Hotspot	LTE Band 13	10	QPSK	E	0171M	1:1	0.09	782.00	23230	1.0	24.5	24.15	25	0	Top	10	0.143	1.084	0.155	0.251	0.157		32.5		
Hotspot	LTE Band 13	10	QPSK	E	0171M	1:1	0.02	782.00	23230	0.0	25.5	25.18	1	25	Right	10	0.159	1.076	0.171	0.221	0.138		33.1		
Hotspot	LTE Band 13	10	QPSK	E	0171M	1:1	0.00	782.00	23230	1.0	24.5	24.15	25	0	Right	10	0.112	1.084	0.121	0.197	0.123		33.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-48

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 13	10	QPSK	A+C	1851M	1:1	0.07	782.00	23230	0.0	19.5	18.83	1	0	Back	0	45	0.676	1.167	0.789	0.868	0.542		20.5	19.4	18.5
Body	LTE Band 13	10	QPSK	A+C	1851M	1:1	0.01	782.00	23230	0.0	19.5	18.77	25	0	Back	0	45	0.685	1.183	0.810	0.891	0.557		20.4		
Body	LTE Band 13	10	QPSK	A+C	1851M	1:1	0.08	782.00	23230	0.0	19.5	18.76	50	0	Back	0	45	0.666	1.186	0.790	0.869	0.543		20.5		
Body	LTE Band 13	10	QPSK	A+C	0069M	1:1	0.17	782.00	23230	0.0	19.5	18.83	1	0	Top	0	27	0.030	1.167	0.035	0.039	0.024		34.0		
Body	LTE Band 13	10	QPSK	A+C	0069M	1:1	-0.06	782.00	23230	0.0	19.5	18.77	25	0	Top	0	27	0.035	1.183	0.041	0.045	0.029		33.3		
Body	LTE Band 13	10	QPSK	A+C	0164M	1:1	-0.10	782.00	23230	0.0	19.5	18.83	1	0	Bottom	0	63	0.549	1.167	0.641	0.705	0.441		21.4		
Body	LTE Band 13	10	QPSK	A+C	0164M	1:1	-0.05	782.00	23230	0.0	19.5	18.77	25	0	Bottom	0	63	0.562	1.183	0.665	0.732	0.458		21.2		
Body	LTE Band 13	10	QPSK	A+C	0164M	1:1	-0.02	782.00	23230	0.0	19.5	18.83	1	0	Right	0	108	0.829	1.167	0.967	1.064	0.664		19.6		
Body	LTE Band 13	10	QPSK	A+C	0164M	1:1	0.00	782.00	23230	0.0	19.5	18.77	25	0	Right	0	108	0.847	1.183	1.002	1.102	0.689		19.4		
Body	LTE Band 13	10	QPSK	A+C	0164M	1:1	-0.03	782.00	23230	0.0	19.5	18.76	50	0	Right	0	108	0.830	1.186	0.984	1.082	0.677		19.5		
Body	LTE Band 13	10	QPSK	A+C	0069M	1:1	0.07	782.00	23230	0.0	19.5	18.83	1	0	Left	0	63	0.026	1.167	0.030	0.033	0.021		34.6		
Body	LTE Band 13	10	QPSK	A+C	0069M	1:1	0.09	782.00	23230	0.0	19.5	18.77	25	0	Left	0	63	0.020	1.183	0.024	0.026	0.017		35.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-49 | Plot A24

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 13	10	QPSK	E	0069M	1:1	0.02	782.00	23230	0.0	20.0	19.31	1	0	Back	0	0.950	1.172	1.113	1.224	0.766		19.5	19.4	19.0
Body	LTE Band 13	10	QPSK	E	0069M	1:1	-0.18	782.00	23230	0.0	20.0	19.31	25	0	Back	0	0.924	1.172	1.083	1.191	0.745		19.6		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	-0.10	782.00	23230	0.0	20.0	19.29	50	0	Back	0	0.839	1.178	0.988	1.087	0.680		20.0		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	0.05	782.00	23230	0.0	20.0	19.31	1	0	Top	0	0.959	1.172	1.124	1.236	0.773	Plot	19.4		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	-0.09	782.00	23230	0.0	20.0	19.31	25	0	Top	0	0.914	1.172	1.071	1.178	0.736		19.7		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	0.01	782.00	23230	0.0	20.0	19.29	50	0	Top	0	0.892	1.178	1.051	1.156	0.723		19.7		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	-0.13	782.00	23230	0.0	20.0	19.31	1	0	Bottom	0	0.014	1.172	0.016	0.018	0.011		37.8		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	-0.04	782.00	23230	0.0	20.0	19.31	25	0	Bottom	0	0.013	1.172	0.015	0.017	0.010		38.1		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	-0.09	782.00	23230	0.0	20.0	19.31	1	0	Right	0	0.523	1.172	0.613	0.674	0.421		22.1		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	-0.07	782.00	23230	0.0	20.0	19.31	25	0	Right	0	0.513	1.172	0.601	0.661	0.414		22.2		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	0.04	782.00	23230	0.0	20.0	19.31	1	0	Left	0	0.020	1.172	0.023	0.025	0.015		36.2		
Body	LTE Band 13	10	QPSK	E	0069M	1:1	0.05	782.00	23230	0.0	20.0	19.31	25	0	Left	0	0.018	1.172	0.021	0.023	0.014		36.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.9 LTE Band 14 Standalone SAR

Table 12-50

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 14	10	QPSK	A+C	0171M	1:1	0.05	793.00	23330	0.0	25.5	24.50	1	0	Right Cheek	0	0	0.177	1.259	0.223	0.396	0.248		32.0	32.0	28.0
Head	LTE Band 14	10	QPSK	A+C	0171M	1:1	-0.05	793.00	23330	1.0	24.5	23.53	25	12	Right Cheek	0	0	0.137	1.250	0.171	0.383	0.239		32.1		
Head	LTE Band 14	10	QPSK	A+C	0171M	1:1	0.09	793.00	23330	0.0	25.5	24.50	1	0	Right Tilt	0	10	0.104	1.259	0.131	0.233	0.146		34.3		
Head	LTE Band 14	10	QPSK	A+C	0171M	1:1	0.02	793.00	23330	1.0	24.5	23.53	25	12	Right Tilt	0	10	0.073	1.250	0.091	0.204	0.128		34.8		
Head	LTE Band 14	10	QPSK	A+C	0171M	1:1	0.08	793.00	23330	0.0	25.5	24.50	1	0	Left Cheek	0	10	0.093	1.259	0.117	0.208	0.130		34.8		
Head	LTE Band 14	10	QPSK	A+C	0171M	1:1	0.06	793.00	23330	1.0	24.5	23.53	25	12	Left Cheek	0	10	0.062	1.250	0.078	0.174	0.109		35.6		
Head	LTE Band 14	10	QPSK	A+C	0171M	1:1	-0.17	793.00	23330	0.0	25.5	24.50	1	0	Left Tilt	0	10	0.076	1.259	0.096	0.170	0.106		35.6		
Head	LTE Band 14	10	QPSK	A+C	0171M	1:1	0.04	793.00	23330	1.0	24.5	23.53	25	12	Left Tilt	0	10	0.048	1.250	0.060	0.134	0.084		36.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-51

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 14	10	QPSK	A	0069M	1:1	0.03	793.00	23330	0.0	25.5	24.50	1	0	Right Cheek	0	63	0.094	1.259	0.118	0.210	0.131		34.7	34.7	28.0
Head	LTE Band 14	10	QPSK	A	0069M	1:1	-0.04	793.00	23330	1.0	24.5	23.53	25	12	Right Cheek	0	63	0.050	1.250	0.063	0.140	0.088		36.5		
Head	LTE Band 14	10	QPSK	A	0069M	1:1	0.08	793.00	23330	0.0	25.5	24.50	1	0	Right Tilt	0	63	0.042	1.259	0.053	0.094	0.059		38.2		
Head	LTE Band 14	10	QPSK	A	0069M	1:1	0.00	793.00	23330	1.0	24.5	23.53	25	12	Right Tilt	0	63	0.027	1.250	0.034	0.076	0.048		39.2		
Head	LTE Band 14	10	QPSK	A	0069M	1:1	0.00	793.00	23330	0.0	25.5	24.50	1	0	Left Cheek	0	63	0.070	1.259	0.088	0.157	0.098		36.0		
Head	LTE Band 14	10	QPSK	A	0069M	1:1	-0.04	793.00	23330	1.0	24.5	23.53	25	12	Left Cheek	0	63	0.048	1.250	0.060	0.134	0.084		36.7		
Head	LTE Band 14	10	QPSK	A	0069M	1:1	0.04	793.00	23330	0.0	25.5	24.50	1	0	Left Tilt	0	63	0.032	1.259	0.040	0.072	0.045		39.4		
Head	LTE Band 14	10	QPSK	A	0069M	1:1	0.10	793.00	23330	1.0	24.5	23.53	25	12	Left Tilt	0	63	0.025	1.250	0.031	0.070	0.044		39.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-52 | Plot A25

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 14	10	QPSK	E	0174M	1:1	-0.18	793.00	23330	0.0	25.5	24.65	1	0	Right Cheek	0	0.153	1.216	0.186	0.363	0.227		32.8	28.4	28.4
Head	LTE Band 14	10	QPSK	E	0174M	1:1	0.06	793.00	23330	1.0	24.5	23.65	25	12	Right Cheek	0	0.113	1.216	0.137	0.337	0.211		33.1		
Head	LTE Band 14	10	QPSK	E	0174M	1:1	0.01	793.00	23330	0.0	25.5	24.65	1	0	Right Tilt	0	0.150	1.216	0.182	0.356	0.223		32.8		
Head	LTE Band 14	10	QPSK	E	0174M	1:1	-0.03	793.00	23330	1.0	24.5	23.65	25	12	Right Tilt	0	0.112	1.216	0.136	0.334	0.209		33.1		
Head	LTE Band 14	10	QPSK	E	0174M	1:1	0.07	793.00	23330	0.0	25.5	24.65	1	0	Left Cheek	0	0.420	1.216	0.511	0.996	0.623	Plot	28.4		
Head	LTE Band 14	10	QPSK	E	0171M	1:1	0.04	793.00	23330	1.0	24.5	23.65	25	12	Left Cheek	0	0.318	1.216	0.387	0.949	0.593		28.6		
Head	LTE Band 14	10	QPSK	E	0171M	1:1	0.02	793.00	23330	0.0	25.5	24.65	1	0	Left Tilt	0	0.334	1.216	0.406	0.792	0.495		29.4		
Head	LTE Band 14	10	QPSK	E	0171M	1:1	0.03	793.00	23330	1.0	24.5	23.65	25	12	Left Tilt	0	0.257	1.216	0.313	0.767	0.479		29.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-53 | Plot A26

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 14	10	QPSK	A+C	1851M	1:1	0.04	793.00	23330	0.0	25.5	24.50	1	0	Back	5	10	0.659	1.259	0.830	0.830	0.519	Plot	26.3	26.3	25.5
Body-worn/Hotspot	LTE Band 14	10	QPSK	A+C	1851M	1:1	-0.02	793.00	23330	1.0	24.5	23.53	25	12	Back	5	10	0.515	1.250	0.644	0.811	0.507		26.4		
Body-worn/Hotspot	LTE Band 14	10	QPSK	A+C	1851M	1:1	0.05	793.00	23330	1.0	24.5	23.50	50	0	Back	5	10	0.514	1.259	0.647	0.815	0.509		26.3		
Body-worn/Hotspot	LTE Band 14	10	QPSK	A+C	0164M	1:1	-0.03	793.00	23330	0.0	25.5	24.50	1	0	Front	5	0	0.148	1.259	0.186	0.186	0.116		32.7		
Body-worn/Hotspot	LTE Band 14	10	QPSK	A+C	0164M	1:1	-0.06	793.00	23330	1.0	24.5	23.53	25	12	Front	5	0	0.115	1.250	0.144	0.181	0.113		32.9		
Hotspot	LTE Band 14	10	QPSK	A+C	0164M	1:1	0.02	793.00	23330	0.0	25.5	24.50	1	0	Bottom	10	10	0.149	1.259	0.188	0.188	0.118		32.7		
Hotspot	LTE Band 14	10	QPSK	A+C	0164M	1:1	0.08	793.00	23330	1.0	24.5	23.53	25	12	Bottom	10	10	0.112	1.250	0.140	0.176	0.110		33.0		
Hotspot	LTE Band 14	10	QPSK	A+C	0164M	1:1	-0.08	793.00	23330	0.0	25.5	24.50	1	0	Right	10	0	0.410	1.259	0.516	0.516	0.323		28.3		
Hotspot	LTE Band 14	10	QPSK	A+C	0164M	1:1	0.00	793.00	23330	1.0	24.5	23.53	25	12	Right	10	0	0.321	1.250	0.401	0.505	0.316		28.4		
Hotspot	LTE Band 14	10	QPSK	A+C	0069M	1:1	-0.16	793.00	23330	0.0	25.5	24.50	1	0	Left	10	0	0.153	1.259	0.193	0.193	0.121		32.6		
Hotspot	LTE Band 14	10	QPSK	A+C	0069M	1:1	-0.05	793.00	23330	1.0	24.5	23.53	25	12	Left	10	0	0.104	1.250	0.130	0.164	0.103		33.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-54

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 14	10	QPSK	A	0069M	1:1	0.10	793.00	23330	0.0	25.5	24.50	1	0	Back	5	63	0.584	1.259	0.735	0.735	0.459		26.8	26.8	25.5
Body-worn/Hotspot	LTE Band 14	10	QPSK	A	0069M	1:1	-0.02	793.00	23330	1.0	24.5	23.53	25	12	Back	5	63	0.453	1.250	0.566	0.713	0.446		26.9		
Body-worn/Hotspot	LTE Band 14	10	QPSK	A	0069M	1:1	0.04	793.00	23330	0.0	25.5	24.50	1	0	Front	5	63	0.210	1.259	0.264	0.264	0.165		31.2		
Body-worn/Hotspot	LTE Band 14	10	QPSK	A	0069M	1:1	-0.03	793.00	23330	1.0	24.5	23.53	25	12	Front	5	63	0.164	1.250	0.205	0.258	0.161		31.3		
Hotspot	LTE Band 14	10	QPSK	A	0069M	1:1	0.11	793.00	23330	0.0	25.5	24.50	1	0	Bottom	10	63	0.126	1.259	0.159	0.159	0.099		33.4		
Hotspot	LTE Band 14	10	QPSK	A	0069M	1:1	0.00	793.00	23330	1.0	24.5	23.53	25	12	Bottom	10	63	0.097	1.250	0.121	0.153	0.096		33.6		
Hotspot	LTE Band 14	10	QPSK	A	0069M	1:1	0.00	793.00	23330	0.0	25.5	24.50	1	0	Right	10	63	0.249	1.259	0.313	0.313	0.196		30.5		
Hotspot	LTE Band 14	10	QPSK	A	0069M	1:1	0.02	793.00	23330	1.0	24.5	23.53	25	12	Right	10	63	0.183	1.250	0.229	0.288	0.180		30.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-55

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 14	10	QPSK	E	0069M	1:1	0.07	793.00	23330	0.0	25.5	24.65	1	0	Back	5	0.612	1.216	0.744	0.981	0.613		26.7	26.7	26.7
Body-worn/Hotspot	LTE Band 14	10	QPSK	E	0069M	1:1	0.02	793.00	23330	1.0	24.5	23.65	25	12	Back	5	0.457	1.216	0.556	0.922	0.576		27.0		
Body-worn/Hotspot	LTE Band 14	10	QPSK	E	0171M	1:1	0.02	793.00	23330	0.0	25.5	24.65	1	0	Front	5	0.163	1.216	0.198	0.261	0.163		32.5		
Body-worn/Hotspot	LTE Band 14	10	QPSK	E	0171M	1:1	-0.03	793.00	23330	1.0	24.5	23.65	25	12	Front	5	0.102	1.216	0.124	0.206	0.129		33.5		
Hotspot	LTE Band 14	10	QPSK	E	0171M	1:1	-0.05	793.00	23330	0.0	25.5	24.65	1	0	Top	10	0.175	1.216	0.213	0.281	0.176		32.2		
Hotspot	LTE Band 14	10	QPSK	E	0171M	1:1	-0.09	793.00	23330	1.0	24.5	23.65	25	12	Top	10	0.137	1.216	0.167	0.276	0.173		32.2		
Hotspot	LTE Band 14	10	QPSK	E	0171M	1:1	-0.03	793.00	23330	0.0	25.5	24.65	1	0	Right	10	0.104	1.216	0.126	0.167	0.104		34.4		
Hotspot	LTE Band 14	10	QPSK	E	0171M	1:1	0.03	793.00	23330	1.0	24.5	23.65	25	12	Right	10	0.079	1.216	0.096	0.159	0.099		34.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-56 | Plot A27

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 14	10	QPSK	A+C	1851M	1:1	-0.02	793.00	23330	0.0	19.5	18.62	1	25	Back	0	0	0.756	1.225	0.926	1.019	0.637	Plot	19.8	19.6	18.5
Body	LTE Band 14	10	QPSK	A+C	1851M	1:1	0.05	793.00	23330	0.0	19.5	18.47	25	12	Back	0	0	0.751	1.268	0.952	1.047	0.655		19.7		
Body	LTE Band 14	10	QPSK	A+C	1851M	1:1	-0.10	793.00	23330	0.0	19.5	18.46	50	0	Back	0	0	0.755	1.271	0.960	1.056	0.660		19.6		
Body	LTE Band 14	10	QPSK	A+C	0069M	1:1	-0.19	793.00	23330	0.0	19.5	18.62	1	25	Top	0	119	0.027	1.225	0.033	0.036	0.023		34.3		
Body	LTE Band 14	10	QPSK	A+C	0069M	1:1	0.06	793.00	23330	0.0	19.5	18.47	25	12	Top	0	119	0.026	1.268	0.033	0.036	0.023		34.3		
Body	LTE Band 14	10	QPSK	A+C	0164M	1:1	-0.05	793.00	23330	0.0	19.5	18.62	1	25	Bottom	0	82	0.388	1.225	0.475	0.523	0.327		22.7		
Body	LTE Band 14	10	QPSK	A+C	0164M	1:1	-0.01	793.00	23330	0.0	19.5	18.47	25	12	Bottom	0	82	0.382	1.268	0.484	0.532	0.333		22.6		
Body	LTE Band 14	10	QPSK	A+C	0164M	1:1	0.02	793.00	23330	0.0	19.5	18.62	1	25	Right	0	108	0.734	1.225	0.899	0.989	0.618		19.9		
Body	LTE Band 14	10	QPSK	A+C	0164M	1:1	-0.07	793.00	23330	0.0	19.5	18.47	25	12	Right	0	108	0.729	1.268	0.924	1.016	0.636		19.8		
Body	LTE Band 14	10	QPSK	A+C	0164M	1:1	0.02	793.00	23330	0.0	19.5	18.46	50	0	Right	0	108	0.733	1.271	0.932	1.025	0.641		19.8		
Body	LTE Band 14	10	QPSK	A+C	0069M	1:1	-0.13	793.00	23330	0.0	19.5	18.62	1	25	Left	0	82	0.021	1.225	0.026	0.029	0.018		35.3		
Body	LTE Band 14	10	QPSK	A+C	0069M	1:1	-0.09	793.00	23330	0.0	19.5	18.47	25	12	Left	0	82	0.021	1.268	0.027	0.030	0.019		35.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-57

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 14	10	QPSK	E	0069M	1:1	0.05	793.00	23330	0.0	20.0	18.89	1	25	Back	0	0.663	1.291	0.856	0.942	0.589		20.6	20.2	19.0
Body	LTE Band 14	10	QPSK	E	0069M	1:1	0.03	793.00	23330	0.0	20.0	18.78	25	12	Back	0	0.663	1.324	0.878	0.966	0.604		20.5		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	-0.04	793.00	23330	0.0	20.0	18.74	50	0	Back	0	0.638	1.337	0.853	0.938	0.586		20.6		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	0.04	793.00	23330	0.0	20.0	18.89	1	25	Top	0	0.710	1.291	0.917	1.009	0.630		20.3		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	-0.05	793.00	23330	0.0	20.0	18.78	25	12	Top	0	0.716	1.324	0.948	1.043	0.652		20.2		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	0.01	793.00	23330	0.0	20.0	18.74	50	0	Top	0	0.708	1.337	0.947	1.042	0.651		20.2		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	-0.03	793.00	23330	0.0	20.0	18.89	1	25	Bottom	0	0.031	1.291	0.040	0.044	0.028		33.9		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	0.06	793.00	23330	0.0	20.0	18.78	25	12	Bottom	0	0.025	1.324	0.033	0.036	0.023		34.8		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	0.02	793.00	23330	0.0	20.0	18.89	1	25	Right	0	0.435	1.291	0.562	0.618	0.386		22.5		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	-0.02	793.00	23330	0.0	20.0	18.78	25	12	Right	0	0.415	1.324	0.549	0.604	0.377		22.5		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	-0.12	793.00	23330	0.0	20.0	18.89	1	25	Left	0	0.020	1.291	0.026	0.029	0.018		35.8		
Body	LTE Band 14	10	QPSK	E	0069M	1:1	-0.04	793.00	23330	0.0	20.0	18.78	25	12	Left	0	0.023	1.324	0.030	0.033	0.021		35.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.10 LTE Band 26 (Cell) Standalone SAR

Table 12-58

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.01	831.50	26865	0.0	25.5	24.61	1	36	Right Cheek	0	0	0.164	1.227	0.201	0.342	0.214		32.4	32.4	27.8
Head	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.06	831.50	26865	1.0	24.5	23.61	36	0	Right Cheek	0	0	0.129	1.227	0.158	0.338	0.211		32.5		
Head	LTE Band 26	15	QPSK	A+C	0067M	1:1	0.08	831.50	26865	0.0	25.5	24.61	1	36	Right Tilt	0	0	0.083	1.227	0.102	0.173	0.108		35.4		
Head	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.04	831.50	26865	1.0	24.5	23.61	36	0	Right Tilt	0	0	0.068	1.227	0.083	0.178	0.111		35.2		
Head	LTE Band 26	15	QPSK	A+C	0067M	1:1	0.06	831.50	26865	0.0	25.5	24.61	1	36	Left Cheek	0	0	0.131	1.227	0.161	0.273	0.171		33.4		
Head	LTE Band 26	15	QPSK	A+C	0067M	1:1	0.07	831.50	26865	1.0	24.5	23.61	36	0	Left Cheek	0	0	0.088	1.227	0.108	0.231	0.144		34.1		
Head	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.17	831.50	26865	0.0	25.5	24.61	1	36	Left Tilt	0	0	0.098	1.227	0.120	0.204	0.128		34.6		
Head	LTE Band 26	15	QPSK	A+C	0067M	1:1	0.09	831.50	26865	1.0	24.5	23.61	36	0	Left Tilt	0	0	0.067	1.227	0.082	0.176	0.110		35.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-59

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 26	15	QPSK	A	0067M	1:1	0.02	831.50	26865	0.0	25.5	24.61	1	36	Right Cheek	0	101	0.065	1.227	0.080	0.135	0.084		36.4	36.2	27.8
Head	LTE Band 26	15	QPSK	A	0067M	1:1	0.03	831.50	26865	1.0	24.5	23.61	36	0	Right Cheek	0	101	0.054	1.227	0.066	0.142	0.089		36.2		
Head	LTE Band 26	15	QPSK	A	0067M	1:1	0.04	831.50	26865	0.0	25.5	24.61	1	36	Right Tilt	0	101	0.030	1.227	0.037	0.063	0.039		39.8		
Head	LTE Band 26	15	QPSK	A	0067M	1:1	0.07	831.50	26865	1.0	24.5	23.61	36	0	Right Tilt	0	101	0.026	1.227	0.032	0.068	0.043		39.4		
Head	LTE Band 26	15	QPSK	A	0067M	1:1	0.07	831.50	26865	0.0	25.5	24.61	1	36	Left Cheek	0	101	0.060	1.227	0.074	0.125	0.078		36.8		
Head	LTE Band 26	15	QPSK	A	0067M	1:1	0.03	831.50	26865	1.0	24.5	23.61	36	0	Left Cheek	0	101	0.043	1.227	0.053	0.113	0.071		37.2		
Head	LTE Band 26	15	QPSK	A	0067M	1:1	0.03	831.50	26865	0.0	25.5	24.61	1	36	Left Tilt	0	109	0.046	1.227	0.056	0.096	0.060		37.9		
Head	LTE Band 26	15	QPSK	A	0067M	1:1	-0.12	831.50	26865	1.0	24.5	23.61	36	0	Left Tilt	0	109	0.031	1.227	0.038	0.081	0.051		38.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-60 | Plot A28

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 26	15	QPSK	E	0171M	1:1	0.13	831.50	26865	0.0	25.0	24.32	1	36	Right Cheek	0	0.202	1.169	0.236	0.651	0.407		31.2	29.4	29.4
Head	LTE Band 26	15	QPSK	E	0171M	1:1	-0.13	831.50	26865	1.0	24.0	23.32	36	0	Right Cheek	0	0.159	1.169	0.186	0.645	0.403		31.3		
Head	LTE Band 26	15	QPSK	E	0174M	1:1	-0.10	831.50	26865	0.0	25.0	24.32	1	36	Right Tilt	0	0.146	1.169	0.171	0.470	0.294		32.6		
Head	LTE Band 26	15	QPSK	E	0174M	1:1	0.07	831.50	26865	1.0	24.0	23.32	36	0	Right Tilt	0	0.114	1.169	0.133	0.462	0.289		32.7		
Head	LTE Band 26	15	QPSK	E	0067M	1:1	0.01	831.50	26865	0.0	25.0	24.32	1	36	Left Cheek	0	0.308	1.169	0.360	0.992	0.620	Plot	29.4		
Head	LTE Band 26	15	QPSK	E	0067M	1:1	-0.01	831.50	26865	1.0	24.0	23.32	36	0	Left Cheek	0	0.238	1.169	0.278	0.965	0.603		29.5		
Head	LTE Band 26	15	QPSK	E	0067M	1:1	-0.15	831.50	26865	0.0	25.0	24.32	1	36	Left Tilt	0	0.268	1.169	0.313	0.863	0.539		30.0		
Head	LTE Band 26	15	QPSK	E	0067M	1:1	0.05	831.50	26865	1.0	24.0	23.32	36	0	Left Tilt	0	0.206	1.169	0.241	0.835	0.522		30.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-61 | Plot A29

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 26	15	QPSK	A+C	0073M	1:1	0.13	831.50	26865	0.0	25.5	24.61	1	36	Back	5	0	0.701	1.227	0.860	0.860	0.538	Plot	26.1	26.1	25.4
Body-worn/Hotspot	LTE Band 26	15	QPSK	A+C	0073M	1:1	0.01	831.50	26865	1.0	24.5	23.61	36	0	Back	5	0	0.529	1.227	0.649	0.799	0.499		26.3		
Body-worn/Hotspot	LTE Band 26	15	QPSK	A+C	0073M	1:1	0.01	831.50	26865	1.0	24.5	23.53	75	0	Back	5	0	0.513	1.250	0.641	0.789	0.493		26.4		
Body-worn/Hotspot	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.03	831.50	26865	0.0	25.5	24.61	1	36	Front	5	0	0.193	1.227	0.237	0.237	0.148		31.7		
Body-worn/Hotspot	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.12	831.50	26865	1.0	24.5	23.61	36	0	Front	5	0	0.148	1.227	0.182	0.223	0.139		31.9		
Hotspot	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.11	831.50	26865	0.0	25.5	24.61	1	36	Bottom	10	0	0.170	1.227	0.209	0.209	0.131		32.3		
Hotspot	LTE Band 26	15	QPSK	A+C	0067M	1:1	0.04	831.50	26865	1.0	24.5	23.61	36	0	Bottom	10	0	0.131	1.227	0.161	0.198	0.124		32.4		
Hotspot	LTE Band 26	15	QPSK	A+C	0067M	1:1	0.02	831.50	26865	0.0	25.5	24.61	1	36	Right	10	108	0.328	1.227	0.402	0.402	0.251		29.4		
Hotspot	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.03	831.50	26865	1.0	24.5	23.61	36	0	Right	10	108	0.234	1.227	0.287	0.353	0.221		29.9		
Hotspot	LTE Band 26	15	QPSK	A+C	0174M	1:1	-0.07	831.50	26865	0.0	25.5	24.61	1	36	Left	10	0	0.081	1.227	0.099	0.099	0.062		35.5		
Hotspot	LTE Band 26	15	QPSK	A+C	0174M	1:1	-0.13	831.50	26865	1.0	24.5	23.61	36	0	Left	10	0	0.073	1.227	0.090	0.110	0.069		34.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-62

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 26	15	QPSK	A	1851M	1:1	0.17	831.50	26865	0.0	25.5	24.61	1	36	Back	5	9	0.512	1.227	0.628	0.628	0.393		27.5	27.5	25.4
Body-worn/Hotspot	LTE Band 26	15	QPSK	A	1851M	1:1	-0.06	831.50	26865	1.0	24.5	23.61	36	0	Back	5	9	0.376	1.227	0.461	0.568	0.355		27.8		
Body-worn/Hotspot	LTE Band 26	15	QPSK	A	0067M	1:1	-0.09	831.50	26865	0.0	25.5	24.61	1	36	Front	5	9	0.157	1.227	0.193	0.193	0.121		32.6		
Body-worn/Hotspot	LTE Band 26	15	QPSK	A	0067M	1:1	-0.07	831.50	26865	1.0	24.5	23.61	36	0	Front	5	9	0.122	1.227	0.150	0.184	0.115		32.7		
Hotspot	LTE Band 26	15	QPSK	A	0067M	1:1	-0.04	831.50	26865	0.0	25.5	24.61	1	36	Bottom	10	101	0.125	1.227	0.153	0.153	0.096		33.6		
Hotspot	LTE Band 26	15	QPSK	A	0067M	1:1	-0.02	831.50	26865	1.0	24.5	23.61	36	0	Bottom	10	101	0.095	1.227	0.117	0.143	0.089		33.8		
Hotspot	LTE Band 26	15	QPSK	A	0067M	1:1	-0.03	831.50	26865	0.0	25.5	24.61	1	36	Right	10	100	0.147	1.227	0.180	0.180	0.113		32.9		
Hotspot	LTE Band 26	15	QPSK	A	0067M	1:1	-0.06	831.50	26865	1.0	24.5	23.61	36	0	Right	10	100	0.117	1.227	0.144	0.177	0.111		32.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-63

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 26	15	QPSK	E	0174M	1:1	-0.02	831.50	26865	0.0	25.0	24.32	1	36	Back	5	0.542	1.169	0.634	0.916	0.573		26.9	26.9	26.6
Body-worn/Hotspot	LTE Band 26	15	QPSK	E	0174M	1:1	0.02	831.50	26865	1.0	24.0	23.32	36	0	Back	5	0.418	1.169	0.489	0.890	0.556		27.1		
Body-worn/Hotspot	LTE Band 26	15	QPSK	E	0067M	1:1	-0.07	831.50	26865	0.0	25.0	24.32	1	36	Front	5	0.178	1.169	0.208	0.301	0.188		31.8		
Body-worn/Hotspot	LTE Band 26	15	QPSK	E	0067M	1:1	0.01	831.50	26865	1.0	24.0	23.32	36	0	Front	5	0.131	1.169	0.153	0.279	0.174		32.1		
Hotspot	LTE Band 26	15	QPSK	E	0067M	1:1	0.01	831.50	26865	0.0	25.0	24.32	1	36	Top	10	0.177	1.169	0.207	0.299	0.187		31.8		
Hotspot	LTE Band 26	15	QPSK	E	0067M	1:1	0.02	831.50	26865	1.0	24.0	23.32	36	0	Top	10	0.129	1.169	0.151	0.275	0.172		32.2		
Hotspot	LTE Band 26	15	QPSK	E	0067M	1:1	0.05	831.50	26865	0.0	25.0	24.32	1	36	Right	10	0.184	1.169	0.215	0.311	0.194		31.6		
Hotspot	LTE Band 26	15	QPSK	E	0067M	1:1	-0.01	831.50	26865	1.0	24.0	23.32	36	0	Right	10	0.149	1.169	0.174	0.317	0.198		31.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-64

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 26	15	QPSK	A+C	0073M	1:1	0.00	831.50	26865	0.0	19.0	18.10	1	36	Back	0	9	0.634	1.230	0.780	0.858	0.537		20.0	19.4	18.0
Body	LTE Band 26	15	QPSK	A+C	0073M	1:1	0.03	831.50	26865	0.0	19.0	17.95	36	0	Back	0	9	0.681	1.274	0.868	0.955	0.597		19.6		
Body	LTE Band 26	15	QPSK	A+C	0073M	1:1	0.01	831.50	26865	0.0	19.0	17.89	75	0	Back	0	9	0.701	1.291	0.905	0.996	0.623		19.4		
Body	LTE Band 26	15	QPSK	A+C	0174M	1:1	0.04	831.50	26865	0.0	19.0	18.10	1	36	Top	0	9	0.023	1.230	0.028	0.031	0.020		34.4		
Body	LTE Band 26	15	QPSK	A+C	0174M	1:1	0.03	831.50	26865	0.0	19.0	17.95	36	0	Top	0	9	0.022	1.274	0.028	0.031	0.020		34.5		
Body	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.01	831.50	26865	0.0	19.0	18.10	1	36	Bottom	0	10	0.438	1.230	0.539	0.593	0.371		21.6		
Body	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.01	831.50	26865	0.0	19.0	17.95	36	0	Bottom	0	10	0.421	1.274	0.536	0.590	0.369		21.7		
Body	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.04	831.50	26865	0.0	19.0	18.10	1	36	Right	0	1	0.526	1.230	0.647	0.712	0.444		20.8		
Body	LTE Band 26	15	QPSK	A+C	0067M	1:1	-0.01	831.50	26865	0.0	19.0	17.95	36	0	Right	0	1	0.523	1.274	0.666	0.733	0.458		20.7		
Body	LTE Band 26	15	QPSK	A+C	0174M	1:1	-0.14	831.50	26865	0.0	19.0	18.10	1	36	Left	0	9	0.027	1.230	0.033	0.036	0.023		33.7		
Body	LTE Band 26	15	QPSK	A+C	0174M	1:1	-0.05	831.50	26865	0.0	19.0	17.95	36	0	Left	0	9	0.028	1.274	0.036	0.040	0.025		33.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-65 | Plot A30

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 26	15	QPSK	E	0174M	1:1	0.00	831.50	26865	0.0	21.0	19.66	1	36	Back	0	0.785	1.361	1.068	1.175	0.735		20.7	20.7	20.0
Body	LTE Band 26	15	QPSK	E	0174M	1:1	0.00	831.50	26865	0.0	21.0	19.72	36	0	Back	0	0.764	1.343	1.026	1.129	0.705		20.8		
Body	LTE Band 26	15	QPSK	E	0174M	1:1	0.02	831.50	26865	0.0	21.0	19.63	75	0	Back	0	0.744	1.371	1.020	1.122	0.702		20.9		
Body	LTE Band 26	15	QPSK	E	0067M	1:1	0.13	831.50	26865	0.0	21.0	19.66	1	36	Top	0	0.756	1.361	1.029	1.132	0.707		20.8		
Body	LTE Band 26	15	QPSK	E	0067M	1:1	0.00	831.50	26865	0.0	21.0	19.72	36	0	Top	0	0.788	1.343	1.058	1.164	0.727	Plot	20.7		
Body	LTE Band 26	15	QPSK	E	0067M	1:1	-0.01	831.50	26865	0.0	21.0	19.63	75	0	Top	0	0.756	1.371	1.036	1.140	0.713		20.8		
Body	LTE Band 26	15	QPSK	E	0174M	1:1	-0.10	831.50	26865	0.0	21.0	19.66	1	36	Bottom	0	0.015	1.361	0.020	0.022	0.014		37.8		
Body	LTE Band 26	15	QPSK	E	0174M	1:1	-0.08	831.50	26865	0.0	21.0	19.72	36	0	Bottom	0	0.016	1.343	0.021	0.023	0.014		37.6		
Body	LTE Band 26	15	QPSK	E	0067M	1:1	0.16	831.50	26865	0.0	21.0	19.66	1	36	Right	0	0.515	1.361	0.701	0.771	0.482		22.5		
Body	LTE Band 26	15	QPSK	E	0067M	1:1	-0.06	831.50	26865	0.0	21.0	19.72	36	0	Right	0	0.495	1.343	0.665	0.732	0.458		22.7		
Body	LTE Band 26	15	QPSK	E	0174M	1:1	0.21	831.50	26865	0.0	21.0	19.66	1	36	Left	0	0.036	1.361	0.049	0.054	0.034		34.0		
Body	LTE Band 26	15	QPSK	E	0174M	1:1	0.00	831.50	26865	0.0	21.0	19.72	36	0	Left	0	0.035	1.343	0.047	0.052	0.032		34.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram							

12.1 LTE Band 5 (Cell) Standalone SAR

Table 12-66

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 5	10	QPSK	A+C	0067M	1:1	-0.11	836.50	20525	0.0	25.0	24.79	1	25	Right Cheek	0	0	0.193	1.050	0.203	0.433	0.271		31.9	31.9	28.3
Head	LTE Band 5	10	QPSK	A+C	0067M	1:1	-0.06	836.50	20525	1.0	24.0	23.70	25	0	Right Cheek	0	0	0.128	1.072	0.137	0.369	0.231		32.6		
Head	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.07	836.50	20525	0.0	25.0	24.79	1	25	Right Tilt	0	0	0.086	1.050	0.090	0.193	0.121		35.4		
Head	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.00	836.50	20525	1.0	24.0	23.70	25	0	Right Tilt	0	0	0.059	1.072	0.063	0.170	0.106		35.9		
Head	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.02	836.50	20525	0.0	25.0	24.79	1	25	Left Cheek	0	0	0.119	1.050	0.125	0.267	0.167		34.0		
Head	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.06	836.50	20525	1.0	24.0	23.70	25	0	Left Cheek	0	0	0.094	1.072	0.101	0.271	0.169		33.9		
Head	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.07	836.50	20525	0.0	25.0	24.79	1	25	Left Tilt	0	0	0.089	1.050	0.093	0.200	0.125		35.2		
Head	LTE Band 5	10	QPSK	A+C	0067M	1:1	-0.13	836.50	20525	1.0	24.0	23.70	25	0	Left Tilt	0	0	0.073	1.072	0.078	0.211	0.132		35.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-67

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 5	10	QPSK	A	0067M	1:1	0.01	836.50	20525	0.0	25.0	24.79	1	25	Right Cheek	0	109	0.066	1.050	0.069	0.148	0.093		36.5	36.4	28.3
Head	LTE Band 5	10	QPSK	A	0067M	1:1	0.03	836.50	20525	1.0	24.0	23.70	25	0	Right Cheek	0	109	0.047	1.072	0.050	0.136	0.085		36.9		
Head	LTE Band 5	10	QPSK	A	0067M	1:1	0.04	836.50	20525	0.0	25.0	24.79	1	25	Right Tilt	0	109	0.033	1.050	0.035	0.074	0.046		39.6		
Head	LTE Band 5	10	QPSK	A	0067M	1:1	0.09	836.50	20525	1.0	24.0	23.70	25	0	Right Tilt	0	109	0.022	1.072	0.024	0.063	0.039		40.2		
Head	LTE Band 5	10	QPSK	A	0067M	1:1	0.09	836.50	20525	0.0	25.0	24.79	1	25	Left Cheek	0	109	0.065	1.050	0.068	0.146	0.091		36.6		
Head	LTE Band 5	10	QPSK	A	0067M	1:1	0.04	836.50	20525	1.0	24.0	23.70	25	0	Left Cheek	0	109	0.053	1.072	0.057	0.153	0.096		36.4		
Head	LTE Band 5	10	QPSK	A	0067M	1:1	0.08	836.50	20525	0.0	25.0	24.79	1	25	Left Tilt	0	101	0.041	1.050	0.043	0.092	0.058		38.6		
Head	LTE Band 5	10	QPSK	A	0067M	1:1	-0.18	836.50	20525	1.0	24.0	23.70	25	0	Left Tilt	0	101	0.032	1.072	0.034	0.092	0.058		38.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-68 | Plot A31

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 5	10	QPSK	E	0171M	1:1	0.00	836.50	20525	0.0	25.0	24.84	1	25	Right Cheek	0	0.207	1.038	0.215	0.634	0.396		31.6	29.7	29.7
Head	LTE Band 5	10	QPSK	E	0171M	1:1	0.03	836.50	20525	1.0	24.0	23.51	25	0	Right Cheek	0	0.155	1.119	0.173	0.645	0.403		31.6		
Head	LTE Band 5	10	QPSK	E	0174M	1:1	0.01	836.50	20525	0.0	25.0	24.84	1	25	Right Tilt	0	0.184	1.038	0.191	0.563	0.352		32.1		
Head	LTE Band 5	10	QPSK	E	0174M	1:1	0.06	836.50	20525	1.0	24.0	23.51	25	0	Right Tilt	0	0.140	1.119	0.157	0.582	0.364		32.0		
Head	LTE Band 5	10	QPSK	E	0067M	1:1	0.18	836.50	20525	0.0	25.0	24.84	1	25	Left Cheek	0	0.326	1.038	0.338	0.998	0.624	Plot	29.7		
Head	LTE Band 5	10	QPSK	E	0067M	1:1	0.05	836.50	20525	1.0	24.0	23.51	25	0	Left Cheek	0	0.227	1.119	0.254	0.944	0.590		29.9		
Head	LTE Band 5	10	QPSK	E	0067M	1:1	0.03	836.50	20525	0.0	25.0	24.84	1	25	Left Tilt	0	0.289	1.038	0.300	0.885	0.553		30.2		
Head	LTE Band 5	10	QPSK	E	0067M	1:1	0.07	836.50	20525	1.0	24.0	23.51	25	0	Left Tilt	0	0.197	1.119	0.220	0.819	0.512		30.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-69 | Plot A32

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 5	10	QPSK	A+C	0073M	1:1	-0.17	836.50	20525	0.0	25.0	24.79	1	25	Back	5	0	0.672	1.050	0.706	0.706	0.441	Plot	26.5	26.5	25.0
Body-worn/Hotspot	LTE Band 5	10	QPSK	A+C	0073M	1:1	0.00	836.50	20525	1.0	24.0	23.70	25	0	Back	5	0	0.524	1.072	0.562	0.707	0.442		26.5		
Body-worn/Hotspot	LTE Band 5	10	QPSK	A+C	0067M	1:1	-0.13	836.50	20525	0.0	25.0	24.79	1	25	Front	5	18	0.195	1.050	0.205	0.205	0.128		31.8		
Body-worn/Hotspot	LTE Band 5	10	QPSK	A+C	0067M	1:1	-0.06	836.50	20525	1.0	24.0	23.70	25	0	Front	5	18	0.154	1.072	0.165	0.208	0.130		31.8		
Hotspot	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.06	836.50	20525	0.0	25.0	24.79	1	25	Bottom	10	10	0.166	1.050	0.174	0.174	0.109		32.5		
Hotspot	LTE Band 5	10	QPSK	A+C	0067M	1:1	-0.02	836.50	20525	1.0	24.0	23.70	25	0	Bottom	10	10	0.132	1.072	0.142	0.178	0.111		32.4		
Hotspot	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.04	836.50	20525	0.0	25.0	24.79	1	25	Right	10	0	0.318	1.050	0.334	0.334	0.209		29.7		
Hotspot	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.04	836.50	20525	1.0	24.0	23.70	25	0	Right	10	0	0.250	1.072	0.268	0.337	0.211		29.7		
Hotspot	LTE Band 5	10	QPSK	A+C	0174M	1:1	-0.07	836.50	20525	0.0	25.0	24.79	1	25	Left	10	8	0.083	1.050	0.087	0.087	0.054		35.5		
Hotspot	LTE Band 5	10	QPSK	A+C	0174M	1:1	-0.03	836.50	20525	1.0	24.0	23.70	25	0	Left	10	8	0.063	1.072	0.068	0.085	0.053		35.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-70

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 5	10	QPSK	A	0174M	1:1	0.04	836.50	20525	0.0	25.0	24.79	1	25	Back	5	27	0.548	1.050	0.575	0.575	0.359		27.4	27.4	25.0
Body-worn/Hotspot	LTE Band 5	10	QPSK	A	0174M	1:1	0.00	836.50	20525	1.0	24.0	23.70	25	0	Back	5	27	0.423	1.072	0.453	0.571	0.357		27.4		
Body-worn/Hotspot	LTE Band 5	10	QPSK	A	0067M	1:1	-0.09	836.50	20525	0.0	25.0	24.79	1	25	Front	5	9	0.133	1.050	0.140	0.140	0.088		33.5		
Body-worn/Hotspot	LTE Band 5	10	QPSK	A	0067M	1:1	-0.13	836.50	20525	1.0	24.0	23.70	25	0	Front	5	9	0.104	1.072	0.111	0.140	0.088		33.5		
Hotspot	LTE Band 5	10	QPSK	A	0067M	1:1	-0.06	836.50	20525	0.0	25.0	24.79	1	25	Bottom	10	65	0.129	1.050	0.135	0.135	0.084		33.6		
Hotspot	LTE Band 5	10	QPSK	A	0067M	1:1	0.03	836.50	20525	1.0	24.0	23.70	25	0	Bottom	10	65	0.101	1.072	0.108	0.136	0.085		33.6		
Hotspot	LTE Band 5	10	QPSK	A	0067M	1:1	-0.04	836.50	20525	0.0	25.0	24.79	1	25	Right	10	9	0.133	1.050	0.140	0.140	0.088		33.5		
Hotspot	LTE Band 5	10	QPSK	A	0067M	1:1	-0.03	836.50	20525	1.0	24.0	23.70	25	0	Right	10	9	0.107	1.072	0.115	0.144	0.090		33.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-71

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 5	10	QPSK	E	0174M	1:1	0.07	836.50	20525	0.0	25.0	24.84	1	25	Back	5		0.561	1.038	0.582	0.922	0.576		27.3	27.0	27.0
Body-worn/Hotspot	LTE Band 5	10	QPSK	E	0174M	1:1	-0.01	836.50	20525	1.0	24.0	23.51	25	0	Back	5		0.440	1.119	0.492	0.983	0.614		27.0		
Body-worn/Hotspot	LTE Band 5	10	QPSK	E	0067M	1:1	0.02	836.50	20525	0.0	25.0	24.84	1	25	Front	5		0.188	1.038	0.195	0.309	0.193		32.0		
Body-worn/Hotspot	LTE Band 5	10	QPSK	E	0067M	1:1	0.06	836.50	20525	1.0	24.0	23.51	25	0	Front	5		0.142	1.119	0.159	0.317	0.198		31.9		
Hotspot	LTE Band 5	10	QPSK	E	0067M	1:1	-0.01	836.50	20525	0.0	25.0	24.84	1	25	Top	10		0.180	1.038	0.187	0.296	0.185		32.2		
Hotspot	LTE Band 5	10	QPSK	E	0067M	1:1	0.06	836.50	20525	1.0	24.0	23.51	25	0	Top	10		0.135	1.119	0.151	0.302	0.189		32.2		
Hotspot	LTE Band 5	10	QPSK	E	0067M	1:1	0.01	836.50	20525	0.0	25.0	24.84	1	25	Right	10		0.180	1.038	0.187	0.296	0.185		32.2		
Hotspot	LTE Band 5	10	QPSK	E	0067M	1:1	0.01	836.50	20525	1.0	24.0	23.51	25	0	Right	10		0.130	1.119	0.145	0.290	0.181		32.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-72 | Plot A33

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 5	10	QPSK	A+C	0073M	1:1	0.00	836.50	20525	0.0	19.0	17.97	1	25	Back	0	9	0.763	1.268	0.967	1.064	0.664	Plot	19.1	19.1	18.0
Body	LTE Band 5	10	QPSK	A+C	0073M	1:1	0.01	836.50	20525	0.0	19.0	18.01	25	0	Back	0	9	0.728	1.256	0.914	1.005	0.628		19.3		
Body	LTE Band 5	10	QPSK	A+C	0073M	1:1	-0.01	836.50	20525	0.0	19.0	17.96	50	0	Back	0	9	0.750	1.271	0.953	1.048	0.656		19.2		
Body	LTE Band 5	10	QPSK	A+C	0174M	1:1	0.02	836.50	20525	0.0	19.0	17.97	1	25	Top	0	9	0.019	1.268	0.024	0.026	0.017		35.1		
Body	LTE Band 5	10	QPSK	A+C	0174M	1:1	0.06	836.50	20525	0.0	19.0	18.01	25	0	Top	0	9	0.019	1.256	0.024	0.026	0.017		35.2		
Body	LTE Band 5	10	QPSK	A+C	0067M	1:1	-0.07	836.50	20525	0.0	19.0	17.97	1	25	Bottom	0	10	0.459	1.268	0.582	0.640	0.400		21.3		
Body	LTE Band 5	10	QPSK	A+C	0067M	1:1	-0.03	836.50	20525	0.0	19.0	18.01	25	0	Bottom	0	10	0.462	1.256	0.580	0.638	0.399		21.3		
Body	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.01	836.50	20525	0.0	19.0	17.97	1	25	Right	0	108	0.673	1.268	0.853	0.938	0.586		19.6		
Body	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.06	836.50	20525	0.0	19.0	18.01	25	0	Right	0	108	0.657	1.256	0.825	0.908	0.568		19.8		
Body	LTE Band 5	10	QPSK	A+C	0067M	1:1	0.02	836.50	20525	0.0	19.0	17.96	50	0	Right	0	108	0.677	1.271	0.860	0.946	0.592		19.6		
Body	LTE Band 5	10	QPSK	A+C	0174M	1:1	0.03	836.50	20525	0.0	19.0	17.97	1	25	Left	0	17	0.019	1.268	0.024	0.026	0.017		35.1		
Body	LTE Band 5	10	QPSK	A+C	0174M	1:1	-0.02	836.50	20525	0.0	19.0	18.01	25	0	Left	0	17	0.018	1.256	0.023	0.025	0.015		35.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Table 12-73

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 5	10	QPSK	E	0174M	1:1	0.00	836.50	20525	0.0	21.0	19.96	1	25	Back	0		0.738	1.271	0.938	1.032	0.645		21.2	21.2	20.0
Body	LTE Band 5	10	QPSK	E	0174M	1:1	0.01	836.50	20525	0.0	21.0	19.97	25	0	Back	0		0.750	1.268	0.951	1.046	0.653		21.2		
Body	LTE Band 5	10	QPSK	E	0174M	1:1	0.01	836.50	20525	0.0	21.0	19.95	50	0	Back	0		0.748	1.274	0.953	1.048	0.656		21.2		
Body	LTE Band 5	10	QPSK	E	0067M	1:1	-0.18	836.50	20525	0.0	21.0	19.96	1	25	Top	0		0.687	1.271	0.873	0.960	0.601		21.5		
Body	LTE Band 5	10	QPSK	E	0067M	1:1	-0.14	836.50	20525	0.0	21.0	19.97	25	0	Top	0		0.709	1.268	0.899	0.989	0.618		21.4		
Body	LTE Band 5	10	QPSK	E	0067M	1:1	-0.02	836.50	20525	0.0	21.0	19.95	50	0	Top	0		0.687	1.274	0.875	0.963	0.602		21.5		
Body	LTE Band 5	10	QPSK	E	0174M	1:1	0.06	836.50	20525	0.0	21.0	19.96	1	25	Bottom	0		0.017	1.271	0.022	0.024	0.015		37.6		
Body	LTE Band 5	10	QPSK	E	0174M	1:1	-0.03	836.50	20525	0.0	21.0	19.97	25	0	Bottom	0		0.017	1.268	0.022	0.024	0.015		37.6		
Body	LTE Band 5	10	QPSK	E	0067M	1:1	0.01	836.50	20525	0.0	21.0	19.96	1	25	Right	0		0.545	1.271	0.693	0.762	0.476		22.5		
Body	LTE Band 5	10	QPSK	E	0067M	1:1	0.07	836.50	20525	0.0	21.0	19.97	25	0	Right	0		0.546	1.268	0.692	0.761	0.476		22.5		
Body	LTE Band 5	10	QPSK	E	0174M	1:1	0.06	836.50	20525	0.0	21.0	19.96	1	25	Left	0		0.034	1.271	0.043	0.047	0.030		34.6		
Body	LTE Band 5	10	QPSK	E	0174M	1:1	0.04	836.50	20525	0.0	21.0	19.97	25	0	Left	0		0.033	1.268	0.042	0.046	0.029		34.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram												

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.2 LTE Band 66 (AWS) Standalone SAR

Table 12-74

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 66	20	QPSK	B	0073M	1:1	0.08	1770.00	132572	0.0	25.5	23.77	1	99	Right Cheek	0	0.071	1.489	0.106	0.168	0.105		35.2	34.5	27.5
Head	LTE Band 66	20	QPSK	B	0174M	1:1	-0.03	1770.00	132572	1.0	24.5	22.73	50	50	Right Cheek	0	0.057	1.503	0.086	0.171	0.107		35.1		
Head	LTE Band 66	20	QPSK	B	0073M	1:1	0.06	1770.00	132572	0.0	25.5	23.77	1	99	Right Tilt	0	0.042	1.489	0.063	0.099	0.062		37.5		
Head	LTE Band 66	20	QPSK	B	0073M	1:1	0.03	1770.00	132572	1.0	24.5	22.73	50	50	Right Tilt	0	0.034	1.503	0.051	0.102	0.064		37.4		
Head	LTE Band 66	20	QPSK	B	0073M	1:1	0.01	1770.00	132572	0.0	25.5	23.77	1	99	Left Cheek	0	0.031	1.489	0.046	0.073	0.046		38.8		
Head	LTE Band 66	20	QPSK	B	0073M	1:1	0.05	1770.00	132572	1.0	24.5	22.73	50	50	Left Cheek	0	0.029	1.503	0.044	0.087	0.054		38.1		
Head	LTE Band 66	20	QPSK	B	0073M	1:1	0.09	1770.00	132572	0.0	25.5	23.77	1	99	Left Tilt	0	0.083	1.489	0.124	0.196	0.123		34.5		
Head	LTE Band 66	20	QPSK	B	0073M	1:1	0.09	1770.00	132572	1.0	24.5	22.73	50	50	Left Tilt	0	0.063	1.503	0.095	0.189	0.118		34.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-75 | Plot A34

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.08	1720.00	132072	0.0	20.5	19.78	1	0	Right Cheek	0	0.532	1.180	0.628	0.691	0.432		22.5	20.0	19.5
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.06	1720.00	132072	0.0	20.5	19.74	50	25	Right Cheek	0	0.514	1.191	0.612	0.673	0.421		22.6		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.07	1720.00	132072	0.0	20.5	19.78	1	0	Right Tilt	0	0.731	1.180	0.863	0.949	0.593		21.1		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.06	1745.00	132322	0.0	20.5	19.41	1	50	Right Tilt	0	0.693	1.285	0.891	0.980	0.613		21.0		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.02	1770.00	132572	0.0	20.5	19.21	1	50	Right Tilt	0	0.639	1.346	0.860	0.946	0.592		21.1		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.04	1720.00	132072	0.0	20.5	19.74	50	25	Right Tilt	0	0.705	1.191	0.840	0.924	0.578		21.2		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.07	1745.00	132322	0.0	20.5	19.36	50	25	Right Tilt	0	0.692	1.300	0.900	0.990	0.619		20.9		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.02	1770.00	132572	0.0	20.5	19.30	50	25	Right Tilt	0	0.639	1.318	0.842	0.926	0.579		21.2		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.01	1720.00	132072	0.0	20.5	19.70	100	0	Right Tilt	0	0.694	1.202	0.834	0.917	0.573		21.2		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	-0.13	1720.00	132072	0.0	20.5	19.78	1	0	Left Cheek	0	0.574	1.180	0.677	0.745	0.465		22.1		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	-0.06	1720.00	132072	0.0	20.5	19.74	50	25	Left Cheek	0	0.576	1.191	0.686	0.755	0.472		22.1		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	-0.05	1720.00	132072	0.0	20.5	19.78	1	0	Left Tilt	0	0.891	1.180	1.051	1.156	0.723		20.2		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	-0.04	1745.00	132322	0.0	20.5	19.41	1	50	Left Tilt	0	0.833	1.285	1.070	1.177	0.736		20.2		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.02	1770.00	132572	0.0	20.5	19.21	1	50	Left Tilt	0	0.814	1.346	1.096	1.206	0.754		20.1		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.03	1720.00	132072	0.0	20.5	19.74	50	25	Left Tilt	0	0.863	1.191	1.028	1.131	0.707		20.3		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	0.05	1745.00	132322	0.0	20.5	19.36	50	25	Left Tilt	0	0.847	1.300	1.101	1.211	0.757		20.0		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	-0.05	1720.00	132572	0.0	20.5	19.30	50	25	Left Tilt	0	0.796	1.318	1.049	1.154	0.722		20.2		
Head	LTE Band 66	20	QPSK	G	0073M	1:1	-0.07	1720.00	132072	0.0	20.5	19.70	100	0	Left Tilt	0	0.905	1.202	1.088	1.197	0.748	Plot	20.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-76

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	-0.17	1720.00	132072	0.0	19.0	18.50	1	50	Back	5	0.735	1.122	0.825	0.908	0.568		19.8	19.0	18.0
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	0.10	1745.00	132322	0.0	19.0	18.13	1	99	Back	5	0.746	1.222	0.912	1.003	0.627		19.4		
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	0.00	1770.00	132572	0.0	19.0	18.75	1	99	Back	5	0.868	1.059	0.919	1.011	0.631		19.3		
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	0.01	1720.00	132072	0.0	19.0	18.43	50	25	Back	5	0.743	1.140	0.847	0.932	0.582		19.7		
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	0.11	1745.00	132322	0.0	19.0	18.40	50	25	Back	5	0.755	1.148	0.867	0.954	0.596		19.6		
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	0.09	1770.00	132572	0.0	19.0	18.53	50	50	Back	5	0.897	1.114	0.999	1.099	0.686		19.0		
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	0.12	1770.00	132572	0.0	19.0	18.46	100	0	Back	5	0.882	1.132	0.998	1.098	0.686		19.0		
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	-0.13	1770.00	132572	0.0	19.0	18.75	1	99	Front	5	0.334	1.059	0.354	0.389	0.243		23.5		
Body-worn/Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	0.01	1770.00	132572	0.0	19.0	18.53	50	50	Front	5	0.363	1.114	0.404	0.444	0.278		22.9		
Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	0.11	1770.00	132572	0.0	19.0	18.75	1	99	Bottom	10	0.450	1.059	0.477	0.525	0.328		22.2		
Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	-0.01	1770.00	132572	0.0	19.0	18.53	50	50	Bottom	10	0.438	1.114	0.488	0.537	0.336		22.1		
Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	-0.19	1770.00	132572	0.0	19.0	18.75	1	99	Left	10	0.070	1.059	0.074	0.081	0.051		30.2		
Hotspot	LTE Band 66	20	QPSK	B	1774M	1:1	-0.15	1770.00	132572	0.0	19.0	18.53	50	50	Left	10	0.071	1.114	0.079	0.087	0.054		30.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-77 | Plot A35

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.05	1720.00	132072	0.0	18.0	17.89	1	0	Back	5	1.050	1.026	1.077	1.185	0.740		17.6	17.4	17.0
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.13	1745.00	132322	0.0	18.0	17.64	1	0	Back	5	1.010	1.086	1.097	1.207	0.755		17.5		
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.14	1770.00	132572	0.0	18.0	17.67	1	99	Back	5	0.933	1.079	1.007	1.108	0.692		17.9		
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	-0.17	1720.00	132072	0.0	18.0	17.90	50	25	Back	5	1.060	1.023	1.084	1.192	0.746		17.6		
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.03	1745.00	132322	0.0	18.0	17.57	50	25	Back	5	0.997	1.104	1.101	1.211	0.757		17.5		
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	-0.01	1770.00	132572	0.0	18.0	17.62	50	25	Back	5	0.944	1.091	1.030	1.133	0.708		17.8		
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.11	1720.00	132072	0.0	18.0	17.87	100	0	Back	5	1.040	1.030	1.092	1.201	0.751		17.6		
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	-0.05	1720.00	132072	0.0	18.0	17.87	100	0	Back	5	1.090	1.030	1.123	1.235	0.772	Plot	17.4		
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.05	1720.00	132072	0.0	18.0	17.89	1	0	Front	5	0.267	1.026	0.274	0.301	0.188		23.6		
Body-worn/Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.19	1720.00	132072	0.0	18.0	17.90	50	25	Front	5	0.262	1.023	0.268	0.295	0.185		23.7		
Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.00	1720.00	132072	0.0	18.0	17.89	1	0	Top	10	0.432	1.026	0.443	0.487	0.305		21.5		
Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.00	1720.00	132072	0.0	18.0	17.90	50	25	Top	10	0.491	1.023	0.502	0.552	0.345		20.9		
Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.05	1720.00	132072	0.0	18.0	17.89	1	0	Right	10	0.054	1.026	0.055	0.061	0.037		30.5		
Hotspot	LTE Band 66	20	QPSK	G	1774M	1:1	0.09	1720.00	132072	0.0	18.0	17.90	50	25	Right	10	0.058	1.023	0.059	0.065	0.041		30.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Blue entry represents variability measurement

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-78

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 66	20	QPSK	B	0164M	1:1	0.09	1720.00	132072	0.0	13.0	11.63	1	0	Back	0	0.713	1.371	0.978	1.076	0.672		13.0	12.8	12.0
Body	LTE Band 66	20	QPSK	B	0164M	1:1	0.01	1745.00	132322	0.0	13.0	11.40	1	0	Back	0	0.717	1.445	1.036	1.140	0.713		12.8		
Body	LTE Band 66	20	QPSK	B	0164M	1:1	0.02	1770.00	132572	0.0	13.0	11.60	1	50	Back	0	0.719	1.380	0.992	1.091	0.682		13.0		
Body	LTE Band 66	20	QPSK	B	0164M	1:1	0.03	1720.00	132072	0.0	13.0	11.64	50	25	Back	0	0.719	1.368	0.984	1.082	0.677		13.0		
Body	LTE Band 66	20	QPSK	B	0164M	1:1	0.09	1745.00	132322	0.0	13.0	11.44	50	25	Back	0	0.707	1.432	1.012	1.113	0.696		12.9		
Body	LTE Band 66	20	QPSK	B	0164M	1:1	0.01	1770.00	132572	0.0	13.0	11.57	50	50	Back	0	0.706	1.390	0.981	1.079	0.674		13.0		
Body	LTE Band 66	20	QPSK	B	0164M	1:1	0.01	1720.00	132072	0.0	13.0	11.59	100	0	Back	0	0.714	1.384	0.988	1.087	0.680		13.0		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.07	1720.00	132072	0.0	13.0	11.63	1	0	Top	0	0.000	1.371	0.000	0.000	0.000		51.6		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.01	1720.00	132072	0.0	13.0	11.64	50	25	Top	0	0.000	1.368	0.000	0.000	0.000		51.6		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.02	1720.00	132072	0.0	13.0	11.63	1	0	Bottom	0	0.619	1.371	0.849	0.934	0.584		13.7		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	-0.04	1745.00	132322	0.0	13.0	11.40	1	0	Bottom	0	0.667	1.445	0.964	1.060	0.663		13.1		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.06	1770.00	132572	0.0	13.0	11.60	1	50	Bottom	0	0.678	1.380	0.936	1.030	0.644		13.2		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.00	1720.00	132072	0.0	13.0	11.64	50	25	Bottom	0	0.638	1.368	0.873	0.960	0.601		13.5		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.01	1745.00	132322	0.0	13.0	11.44	50	25	Bottom	0	0.677	1.432	0.969	1.066	0.667		13.1		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.01	1770.00	132572	0.0	13.0	11.57	50	50	Bottom	0	0.667	1.390	0.927	1.020	0.637		13.3		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	-0.01	1720.00	132072	0.0	13.0	11.59	100	0	Bottom	0	0.626	1.384	0.866	0.953	0.595		13.6		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.07	1720.00	132072	0.0	13.0	11.63	1	0	Right	0	0.019	1.371	0.026	0.029	0.018		28.8		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.07	1720.00	132072	0.0	13.0	11.64	50	25	Right	0	0.022	1.368	0.030	0.033	0.021		28.2		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.01	1720.00	132072	0.0	13.0	11.63	1	0	Left	0	0.013	1.371	0.018	0.020	0.012		30.4		
Body	LTE Band 66	20	QPSK	B	1774M	1:1	0.01	1720.00	132072	0.0	13.0	11.64	50	25	Left	0	0.013	1.368	0.018	0.020	0.012		30.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-79

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 66	20	QPSK	G	0164M	1:1	-0.04	1720.00	132072	0.0	22.0	21.38	1	50	Back	10	0.633	1.153	0.730	0.803	0.502		23.3	23.2	21.0
Body	LTE Band 66	20	QPSK	G	0164M	1:1	0.00	1720.00	132072	0.0	22.0	21.24	50	0	Back	10	0.625	1.191	0.744	0.818	0.512		23.2		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.16	1720.00	132072	0.0	22.0	21.38	1	50	Top	13	0.403	1.153	0.465	0.512	0.320		25.3		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.08	1720.00	132072	0.0	22.0	21.24	50	0	Top	13	0.422	1.191	0.503	0.553	0.345		24.9		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.01	1720.00	132072	0.0	22.0	21.38	1	50	Bottom	0	0.011	1.153	0.013	0.014	0.009		40.9		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.04	1720.00	132072	0.0	22.0	21.24	50	0	Bottom	0	0.012	1.191	0.014	0.015	0.010		40.4		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	-0.07	1720.00	132072	0.0	22.0	21.38	1	50	Right	0	0.476	1.153	0.549	0.604	0.377		24.6		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.18	1720.00	132072	0.0	22.0	21.24	50	0	Right	0	0.455	1.191	0.542	0.596	0.373		24.6		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.03	1720.00	132072	0.0	22.0	21.38	1	50	Left	0	0.158	1.153	0.182	0.200	0.125		29.3		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.05	1720.00	132072	0.0	22.0	21.24	50	0	Left	0	0.152	1.191	0.181	0.199	0.124		29.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-80 | Plot A36

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 66	20	QPSK	G	0164M	1:1	0.01	1720.00	132072	0.0	12.0	11.32	1	0	Back	0	0.485	1.169	0.567	0.624	0.389		14.4	11.2	11.0
Body	LTE Band 66	20	QPSK	G	0164M	1:1	0.01	1720.00	132072	0.0	12.0	11.28	50	0	Back	0	0.500	1.180	0.590	0.649	0.406		14.2		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.00	1720.00	132072	0.0	12.0	11.32	1	0	Top	0	0.743	1.169	0.869	0.956	0.597		12.6		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.06	1745.00	132322	0.0	12.0	10.70	1	0	Top	0	0.785	1.349	1.059	1.165	0.728		11.7		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	0.03	1770.00	132572	0.0	12.0	10.85	1	50	Top	0	0.913	1.303	1.190	1.309	0.818	Plot	11.2		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	-0.12	1720.00	132072	0.0	12.0	11.28	50	0	Top	0	0.743	1.180	0.877	0.965	0.603		12.5		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	-0.07	1745.00	132322	0.0	12.0	10.83	50	0	Top	0	0.803	1.309	1.051	1.156	0.723		11.7		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	-0.03	1770.00	132572	0.0	12.0	10.74	50	0	Top	0	0.862	1.337	1.152	1.267	0.792		11.3		
Body	LTE Band 66	20	QPSK	G	1774M	1:1	-0.04	1720.00	132072	0.0	12.0	11.22	100	0	Top	0	0.763	1.197	0.913	1.004	0.628		12.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.3 LTE Band 25 (PCS) Standalone SAR

Table 12-81

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 25	20	QPSK	B	0073M	1:1	0.08	1905.00	26590	0.0	25.0	23.73	1	50	Right Cheek	0	0.061	1.340	0.082	0.311	0.194		35.8	35.5	30.8
Head	LTE Band 25	20	QPSK	B	0073M	1:1	0.09	1905.00	26590	1.0	24.0	22.58	50	25	Right Cheek	0	0.051	1.387	0.071	0.338	0.211		35.5		
Head	LTE Band 25	20	QPSK	B	0073M	1:1	0.06	1905.00	26590	0.0	25.0	23.73	1	50	Right Tilt	0	0.049	1.340	0.066	0.250	0.156		36.8		
Head	LTE Band 25	20	QPSK	B	0073M	1:1	0.02	1905.00	26590	1.0	24.0	22.58	50	25	Right Tilt	0	0.022	1.387	0.031	0.146	0.091		39.1		
Head	LTE Band 25	20	QPSK	B	0073M	1:1	0.06	1905.00	26590	0.0	25.0	23.73	1	50	Left Cheek	0	0.038	1.340	0.051	0.194	0.121		37.9		
Head	LTE Band 25	20	QPSK	B	0073M	1:1	0.09	1905.00	26590	1.0	24.0	22.58	50	25	Left Cheek	0	0.031	1.387	0.043	0.206	0.129		37.6		
Head	LTE Band 25	20	QPSK	B	0073M	1:1	0.05	1905.00	26590	0.0	25.0	23.73	1	50	Left Tilt	0	0.034	1.340	0.046	0.173	0.108		38.4		
Head	LTE Band 25	20	QPSK	B	0073M	1:1	0.06	1905.00	26590	1.0	24.0	22.58	50	25	Left Tilt	0	0.029	1.387	0.040	0.192	0.120		37.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-82 | Plot A37

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.08	1860.00	26140	0.0	20.5	19.30	1	50	Right Cheek	0	0.468	1.318	0.617	0.680	0.425		22.5	20.1	19.5
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.05	1860.00	26140	0.0	20.5	19.33	50	0	Right Cheek	0	0.469	1.309	0.614	0.680	0.422		22.6		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.03	1860.00	26140	0.0	20.5	19.30	1	50	Right Tilt	0	0.574	1.318	0.757	0.830	0.520		21.7		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.04	1860.00	26140	0.0	20.5	19.33	50	0	Right Tilt	0	0.568	1.309	0.744	0.820	0.512		21.7		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.02	1860.00	26140	0.0	20.5	19.30	1	50	Left Cheek	0	0.582	1.318	0.767	0.840	0.527		21.6		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.15	1860.00	26140	0.0	20.5	19.33	50	0	Left Cheek	0	0.583	1.309	0.763	0.840	0.525		21.6		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.11	1860.00	26140	0.0	20.5	19.30	1	50	Left Tilt	0	0.775	1.318	1.021	1.120	0.702		20.4		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.18	1882.50	26365	0.0	20.5	19.09	1	0	Left Tilt	0	0.792	1.384	1.096	1.210	0.754	Plot	20.1		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.14	1905.00	26590	0.0	20.5	18.94	1	50	Left Tilt	0	0.760	1.432	1.088	1.200	0.748		20.1		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.01	1860.00	26140	0.0	20.5	19.33	50	0	Left Tilt	0	0.765	1.309	1.001	1.100	0.689		20.4		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.05	1882.50	26365	0.0	20.5	19.06	50	0	Left Tilt	0	0.785	1.393	1.094	1.200	0.752		20.1		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.06	1905.00	26590	0.0	20.5	18.98	50	25	Left Tilt	0	0.762	1.419	1.081	1.190	0.744		20.1		
Head	LTE Band 25	20	QPSK	G	0073M	1:1	0.14	1860.00	26140	0.0	20.5	19.21	100	0	Left Tilt	0	0.759	1.346	1.022	1.120	0.703		20.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-83

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	-0.09	1860.00	26140	0.0	18.5	18.45	1	99	Back	5	0.944	1.012	0.955	1.051	0.657		18.7	18.7	17.5
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	-0.08	1882.50	26365	0.0	18.5	18.45	1	99	Back	5	0.862	1.012	0.872	0.959	0.600		19.0		
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.08	1905.00	26590	0.0	18.5	18.49	1	99	Back	5	0.852	1.002	0.854	0.939	0.587		19.1		
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.07	1860.00	26140	0.0	18.5	18.34	50	50	Back	5	0.908	1.038	0.943	1.037	0.648		18.7		
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.02	1882.50	26365	0.0	18.5	18.30	50	50	Back	5	0.870	1.047	0.911	1.002	0.626		18.9		
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.10	1905.00	26590	0.0	18.5	18.39	50	25	Back	5	0.878	1.026	0.901	0.991	0.619		18.9		
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.09	1905.00	26590	0.0	18.5	18.33	100	0	Back	5	0.857	1.040	0.891	0.980	0.613		19.0		
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	-0.20	1905.00	26590	0.0	18.5	18.49	1	99	Front	5	0.422	1.002	0.423	0.465	0.290		22.2		
Body-worn/Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.14	1905.00	26590	0.0	18.5	18.39	50	25	Front	5	0.411	1.026	0.422	0.464	0.290		22.2		
Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.01	1905.00	26590	0.0	18.5	18.49	1	99	Bottom	10	0.486	1.002	0.487	0.536	0.334		21.6		
Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.00	1905.00	26590	0.0	18.5	18.39	50	25	Bottom	10	0.479	1.026	0.491	0.540	0.338		21.5		
Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	0.04	1905.00	26590	0.0	18.5	18.49	1	99	Left	10	0.052	1.002	0.052	0.057	0.036		31.3		
Hotspot	LTE Band 25	20	QPSK	B	1774M	1:1	-0.03	1905.00	26590	0.0	18.5	18.39	50	25	Left	10	0.059	1.026	0.061	0.067	0.042		30.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-84 | Plot A38

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	-0.07	1860.00	26140	0.0	18.0	17.98	1	50	Back	5	0.968	1.005	0.973	1.070	0.669		18.1	17.8	17.0
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	-0.09	1882.50	26365	0.0	18.0	17.86	1	0	Back	5	0.925	1.033	0.956	1.052	0.658		18.1		
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.16	1905.00	26590	0.0	18.0	17.43	1	0	Back	5	0.899	1.140	1.025	1.128	0.705		17.8		
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.05	1860.00	26140	0.0	18.0	17.91	50	0	Back	5	0.978	1.021	0.999	1.099	0.686	Plot	18.0		
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.01	1882.50	26365	0.0	18.0	17.64	50	0	Back	5	0.951	1.086	1.033	1.136	0.711		17.8		
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.10	1905.00	26590	0.0	18.0	17.56	50	25	Back	5	0.922	1.107	1.021	1.123	0.702		17.9		
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	-0.21	1860.00	26140	0.0	18.0	17.81	100	0	Back	5	0.953	1.045	0.996	1.096	0.685		18.0		
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.20	1860.00	26140	0.0	18.0	17.98	1	50	Front	5	0.274	1.005	0.275	0.303	0.189		23.6		
Body-worn/Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.05	1860.00	26140	0.0	18.0	17.91	50	0	Front	5	0.271	1.021	0.277	0.305	0.190		23.5		
Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.02	1860.00	26140	0.0	18.0	17.98	1	50	Top	10	0.475	1.005	0.477	0.525	0.328		21.2		
Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.01	1860.00	26140	0.0	18.0	17.91	50	0	Top	10	0.463	1.021	0.473	0.520	0.326		21.2		
Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.02	1860.00	26140	0.0	18.0	17.98	1	50	Right	10	0.065	1.005	0.065	0.072	0.045		29.8		
Hotspot	LTE Band 25	20	QPSK	G	1774M	1:1	0.07	1860.00	26140	0.0	18.0	17.91	50	0	Right	10	0.064	1.021	0.065	0.072	0.045		29.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-85

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 25	20	QPSK	B	1806M	1:1	-0.08	1860.00	26140	0.0	13.0	11.33	1	0	Back	0	0.810	1.469	1.190	1.309	0.818		12.2	12.0	12.0
Body	LTE Band 25	20	QPSK	B	1860M	1:1	-0.10	1882.50	26365	0.0	13.0	11.43	1	99	Back	0	0.857	1.435	1.230	1.353	0.846		12.1		
Body	LTE Band 25	20	QPSK	B	1806M	1:1	-0.09	1905.00	26590	0.0	13.0	11.44	1	99	Back	0	0.855	1.432	1.224	1.346	0.842		12.1		
Body	LTE Band 25	20	QPSK	B	1806M	1:1	-0.05	1860.00	26140	0.0	13.0	11.34	50	25	Back	0	0.827	1.466	1.212	1.333	0.834		12.1		
Body	LTE Band 25	20	QPSK	B	1806M	1:1	-0.01	1882.50	26365	0.0	13.0	11.34	50	50	Back	0	0.840	1.466	1.231	1.354	0.846		12.0		
Body	LTE Band 25	20	QPSK	B	1806M	1:1	-0.03	1905.00	26590	0.0	13.0	11.48	50	50	Back	0	0.865	1.419	1.227	1.350	0.844		12.1		
Body	LTE Band 25	20	QPSK	B	1806M	1:1	-0.10	1905.00	26590	0.0	13.0	11.43	100	0	Back	0	0.857	1.435	1.230	1.353	0.846		12.1		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	0.07	1905.00	26590	0.0	13.0	11.44	1	99	Top	0	0.000	1.432	0.000	0.000	0.000		51.4		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	0.02	1905.00	26590	0.0	13.0	11.48	50	50	Top	0	0.000	1.419	0.000	0.000	0.000		51.4		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	-0.08	1860.00	26140	0.0	13.0	11.33	1	0	Bottom	0	0.790	1.469	1.161	1.277	0.799		12.3		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	-0.04	1882.50	26365	0.0	13.0	11.43	1	99	Bottom	0	0.756	1.435	1.085	1.194	0.746		12.6		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	-0.05	1905.00	26590	0.0	13.0	11.44	1	99	Bottom	0	0.821	1.432	1.176	1.294	0.809		12.2		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	0.00	1860.00	26140	0.0	13.0	11.34	50	25	Bottom	0	0.779	1.466	1.142	1.256	0.785		12.4		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	-0.06	1882.50	26365	0.0	13.0	11.34	50	50	Bottom	0	0.762	1.466	1.117	1.229	0.768		12.5		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	-0.02	1905.00	26590	0.0	13.0	11.48	50	50	Bottom	0	0.845	1.419	1.199	1.319	0.824		12.2		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	-0.02	1905.00	26590	0.0	13.0	11.43	100	0	Bottom	0	0.837	1.435	1.201	1.321	0.826		12.2		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	0.01	1905.00	26590	0.0	13.0	11.44	1	99	Right	0	0.006	1.432	0.009	0.010	0.007		33.6		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	0.01	1905.00	26590	0.0	13.0	11.48	50	50	Right	0	0.006	1.419	0.009	0.010	0.007		33.6		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	0.05	1905.00	26590	0.0	13.0	11.44	1	99	Left	0	0.000	1.432	0.000	0.000	0.000		51.4		
Body	LTE Band 25	20	QPSK	B	1774M	1:1	0.01	1905.00	26590	0.0	13.0	11.48	50	50	Left	0	0.000	1.419	0.000	0.000	0.000		51.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-86 | Plot A39

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 25	20	QPSK	G	0164M	1:1	0.11	1860.00	26140	0.0	22.0	21.28	1	0	Back	10	0.799	1.180	0.943	1.037	0.648		22.2	21.0	21.0
Body	LTE Band 25	20	QPSK	G	0164M	1:1	0.08	1882.50	26365	0.0	22.0	21.01	1	0	Back	10	0.844	1.256	1.060	1.166	0.729		21.7		
Body	LTE Band 25	20	QPSK	G	0164M	1:1	-0.14	1905.00	26590	0.0	22.0	20.72	1	50	Back	10	0.813	1.343	1.092	1.201	0.751		21.6		
Body	LTE Band 25	20	QPSK	G	0164M	1:1	0.03	1860.00	26140	0.0	22.0	21.17	50	25	Back	10	0.822	1.211	0.995	1.095	0.684		22.0		
Body	LTE Band 25	20	QPSK	G	0164M	1:1	0.12	1882.50	26365	0.0	22.0	21.01	50	0	Back	10	0.844	1.256	1.060	1.166	0.729		21.7		
Body	LTE Band 25	20	QPSK	G	0164M	1:1	0.04	1905.00	26590	0.0	22.0	20.95	50	25	Back	10	0.799	1.274	1.018	1.120	0.700		21.9		
Body	LTE Band 25	20	QPSK	G	0164M	1:1	-0.14	1860.00	26140	0.0	22.0	21.09	100	0	Back	10	0.811	1.233	1.000	1.100	0.688		21.9		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.11	1860.00	26140	0.0	22.0	21.28	1	0	Top	13	0.512	1.180	0.604	0.664	0.416		24.1		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.20	1860.00	26140	0.0	22.0	21.17	50	25	Top	13	0.545	1.211	0.660	0.726	0.454		23.8		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.02	1860.00	26140	0.0	22.0	21.28	1	0	Bottom	0	0.022	1.180	0.026	0.029	0.018		37.8		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.06	1860.00	26140	0.0	22.0	21.17	50	25	Bottom	0	0.016	1.211	0.019	0.021	0.013		39.1		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.04	1860.00	26140	0.0	22.0	21.28	1	0	Right	0	0.947	1.180	1.117	1.229	0.768		21.5		
Body	LTE Band 25	20	QPSK	G	2236M	1:1	-0.07	1882.50	26365	0.0	22.0	21.01	1	0	Right	0	0.868	1.256	1.090	1.199	0.749		21.6		
Body	LTE Band 25	20	QPSK	G	2236M	1:1	-0.06	1905.00	26590	0.0	22.0	20.72	1	50	Right	0	0.890	1.343	1.195	1.315	0.822		21.2		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.06	1860.00	26140	0.0	22.0	21.17	50	25	Right	0	1.020	1.211	1.235	1.359	0.849	Plot	21.0		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.00	1860.00	26140	0.0	22.0	21.17	50	25	Right	0	0.969	1.211	1.173	1.290	0.806		21.3		
Body	LTE Band 25	20	QPSK	G	2236M	1:1	0.03	1882.50	26365	0.0	22.0	21.01	50	0	Right	0	0.880	1.256	1.105	1.216	0.760		21.5		
Body	LTE Band 25	20	QPSK	G	2236M	1:1	-0.10	1905.00	26590	0.0	22.0	20.95	50	25	Right	0	0.963	1.274	1.227	1.350	0.844		21.1		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.08	1860.00	26140	0.0	22.0	21.09	100	0	Right	0	0.984	1.233	1.213	1.334	0.834		21.1		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.01	1860.00	26140	0.0	22.0	21.28	1	0	Left	0	0.188	1.180	0.222	0.244	0.153		28.5		
Body	LTE Band 25	20	QPSK	G	1774M	1:1	0.06	1860.00	26140	0.0	22.0	21.17	50	25	Left	0	0.189	1.211	0.229	0.252	0.157		28.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Blue entry represents variability measurement

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-87

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 25	20	QPSK	G	0164M	1:1	0.02	1860.00	26140	0.0	11.5	10.71	1	50	Back	0	0.498	1.199	0.597	0.657	0.410		13.7	11.0	10.5
Body	LTE Band 25	20	QPSK	G	0164M	1:1	0.05	1860.00	26140	0.0	11.5	10.68	50	0	Back	0	0.496	1.208	0.599	0.659	0.411		13.7		
Body	LTE Band 25	20	QPSK	G	0073M	1:1	-0.04	1860.00	26140	0.0	11.5	10.71	1	50	Top	0	0.894	1.199	1.072	1.179	0.737		11.1		
Body	LTE Band 25	20	QPSK	G	0073M	1:1	0.02	1882.50	26365	0.0	11.5	10.37	1	0	Top	0	0.844	1.297	1.095	1.205	0.752		11.1		
Body	LTE Band 25	20	QPSK	G	0073M	1:1	-0.07	1905.00	26590	0.0	11.5	10.40	1	50	Top	0	0.865	1.288	1.114	1.225	0.766		11.0		
Body	LTE Band 25	20	QPSK	G	0073M	1:1	-0.03	1860.00	26140	0.0	11.5	10.68	50	0	Top	0	0.887	1.208	1.071	1.178	0.736		11.2		
Body	LTE Band 25	20	QPSK	G	0073M	1:1	0.05	1882.50	26365	0.0	11.5	10.55	50	25	Top	0	0.839	1.245	1.045	1.150	0.718		11.3		
Body	LTE Band 25	20	QPSK	G	0073M	1:1	0.00	1905.00	26590	0.0	11.5	10.48	50	0	Top	0	0.846	1.265	1.070	1.177	0.736		11.2		
Body	LTE Band 25	20	QPSK	G	0073M	1:1	0.04	1860.00	26140	0.0	11.5	10.59	100	0	Top	0	0.796	1.233	0.981	1.079	0.674		11.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

12.4 LTE Band 30 Standalone SAR

Table 12-88

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 30	10	QPSK	B	0584M	1:1	0.05	2310.00	27710	0.0	25.0	23.52	1	0	Right Cheek	0	0.043	1.406	0.060	0.340	0.213		37.1	36.1	32.5
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.09	2310.00	27710	1.0	24.0	22.70	25	12	Right Cheek	0	0.038	1.349	0.051	0.363	0.227		36.9		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	0.10	2310.00	27710	0.0	25.0	23.52	1	0	Right Tilt	0	0.037	1.406	0.052	0.293	0.183		37.8		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	0.03	2310.00	27710	1.0	24.0	22.70	25	12	Right Tilt	0	0.037	1.349	0.050	0.353	0.221		37.0		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.07	2310.00	27710	0.0	25.0	23.52	1	0	Left Cheek	0	0.054	1.406	0.076	0.427	0.267		36.1		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	-0.12	2310.00	27710	1.0	24.0	22.70	25	12	Left Cheek	0	0.044	1.349	0.059	0.420	0.263		36.2		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	0.01	2310.00	27710	0.0	25.0	23.52	1	0	Left Tilt	0	0.019	1.406	0.027	0.150	0.094		40.7		
Head	LTE Band 30	10	QPSK	B	0584M	1:1	0.02	2310.00	27710	1.0	24.0	22.70	25	12	Left Tilt	0	0.018	1.349	0.024	0.172	0.108		40.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-89 | Plot A40

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 30	10	QPSK	G	1792M	1:1	-0.04	2310.00	27710	0.0	19.5	18.29	1	0	Right Cheek	0	0.725	1.321	0.958	1.054	0.659		19.6	18.5	18.5
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.00	2310.00	27710	0.0	19.5	18.31	25	0	Right Cheek	0	0.704	1.315	0.926	1.019	0.637		19.8		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.03	2310.00	27710	0.0	19.5	18.20	50	0	Right Cheek	0	0.695	1.349	0.938	1.032	0.645		19.7		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.17	2310.00	27710	0.0	19.5	18.29	1	0	Right Tilt	0	0.828	1.321	1.094	1.203	0.752		19.1		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.02	2310.00	27710	0.0	19.5	18.31	25	0	Right Tilt	0	0.816	1.315	1.073	1.180	0.738		19.1		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.02	2310.00	27710	0.0	19.5	18.20	50	0	Right Tilt	0	0.812	1.349	1.095	1.205	0.752		19.1		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.00	2310.00	27710	0.0	19.5	18.29	1	0	Left Cheek	0	0.798	1.321	1.054	1.159	0.725		19.2		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	-0.01	2310.00	27710	0.0	19.5	18.31	25	0	Left Cheek	0	0.788	1.315	1.036	1.140	0.713		19.3		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.00	2310.00	27710	0.0	19.5	18.20	50	0	Left Cheek	0	0.783	1.349	1.056	1.162	0.726		19.2		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.13	2310.00	27710	0.0	19.5	18.29	1	0	Left Tilt	0	0.941	1.321	1.243	1.367	0.855	Plot	18.5		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.02	2310.00	27710	0.0	19.5	18.31	25	0	Left Tilt	0	0.922	1.315	1.212	1.333	0.834		18.6		
Head	LTE Band 30	10	QPSK	G	1792M	1:1	0.02	2310.00	27710	0.0	19.5	18.20	50	0	Left Tilt	0	0.914	1.349	1.233	1.356	0.848		18.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-90

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	-0.17	2310.00	27710	0.0	20.0	18.86	1	0	Back	5	0.649	1.300	0.844	0.928	0.581		20.7	20.3	19.0
Body-worn/Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	-0.02	2310.00	27710	0.0	20.0	18.71	25	25	Back	5	0.606	1.346	0.816	0.898	0.561		20.8		
Body-worn/Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	-0.01	2310.00	27710	0.0	20.0	18.68	50	0	Back	5	0.675	1.355	0.915	1.007	0.629		20.3		
Body-worn/Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	0.10	2310.00	27710	0.0	20.0	18.86	1	0	Front	5	0.446	1.300	0.580	0.638	0.399		22.3		
Body-worn/Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	0.04	2310.00	27710	0.0	20.0	18.71	25	25	Front	5	0.438	1.346	0.590	0.649	0.406		22.2		
Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	0.15	2310.00	27710	0.0	20.0	18.86	1	0	Bottom	10	0.526	1.300	0.684	0.752	0.471		21.6		
Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	0.01	2310.00	27710	0.0	20.0	18.71	25	25	Bottom	10	0.505	1.346	0.680	0.748	0.468		21.6		
Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	0.03	2310.00	27710	0.0	20.0	18.86	1	0	Left	10	0.055	1.300	0.072	0.079	0.050		31.4		
Hotspot	LTE Band 30	10	QPSK	B	1792M	1:1	-0.02	2310.00	27710	0.0	20.0	18.71	25	25	Left	10	0.052	1.346	0.070	0.077	0.048		31.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-91 | Plot A41

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 30	10	QPSK	G	0071M	1:1	0.06	2310.00	27710	0.0	19.0	18.16	1	25	Back	5	0.892	1.213	1.082	1.190	0.744		18.6	18.3	18.0
Body-worn/Hotspot	LTE Band 30	10	QPSK	G	0071M	1:1	0.01	2310.00	27710	0.0	19.0	18.04	25	0	Back	5	0.896	1.247	1.117	1.229	0.768		18.5		
Body-worn/Hotspot	LTE Band 30	10	QPSK	G	0071M	1:1	-0.03	2310.00	27710	0.0	19.0	17.94	50	0	Back	5	0.912	1.276	1.164	1.280	0.801	Plot	18.3		
Body-worn/Hotspot	LTE Band 30	10	QPSK	G	1792M	1:1	-0.18	2310.00	27710	0.0	19.0	18.16	1	25	Front	5	0.427	1.213	0.518	0.570	0.356		21.8		
Body-worn/Hotspot	LTE Band 30	10	QPSK	G	1792M	1:1	0.00	2310.00	27710	0.0	19.0	18.04	25	0	Front	5	0.408	1.247	0.509	0.560	0.350		21.9		
Hotspot	LTE Band 30	10	QPSK	G	1792M	1:1	0.00	2310.00	27710	0.0	19.0	18.16	1	25	Top	10	0.517	1.213	0.627	0.690	0.431		21.0		
Hotspot	LTE Band 30	10	QPSK	G	1792M	1:1	0.02	2310.00	27710	0.0	19.0	18.04	25	0	Top	10	0.499	1.247	0.622	0.684	0.428		21.0		
Hotspot	LTE Band 30	10	QPSK	G	1792M	1:1	-0.01	2310.00	27710	0.0	19.0	18.16	1	25	Right	10	0.035	1.213	0.042	0.046	0.029		32.7		
Hotspot	LTE Band 30	10	QPSK	G	1792M	1:1	-0.04	2310.00	27710	0.0	19.0	18.04	25	0	Right	10	0.036	1.247	0.045	0.050	0.031		32.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-92

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 30	10	QPSK	B	1792M	1:1	-0.10	2310.00	27710	0.0	12.0	11.81	1	25	Back	0	0.777	1.045	0.812	0.893	0.559		12.9	12.6	11.0
Body	LTE Band 30	10	QPSK	B	1792M	1:1	-0.04	2310.00	27710	0.0	12.0	11.79	25	12	Back	0	0.806	1.050	0.846	0.931	0.582		12.7		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.07	2310.00	27710	0.0	12.0	11.74	50	0	Back	0	0.805	1.062	0.855	0.941	0.587		12.6		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.08	2310.00	27710	0.0	12.0	11.81	1	25	Top	0	0.000	1.045	0.000	0.000	0.000		51.8		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.02	2310.00	27710	0.0	12.0	11.79	25	12	Top	0	0.000	1.050	0.000	0.000	0.000		51.7		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	-0.02	2310.00	27710	0.0	12.0	11.81	1	25	Bottom	0	0.820	1.045	0.857	0.943	0.590		12.6		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.00	2310.00	27710	0.0	12.0	11.79	25	12	Bottom	0	0.822	1.050	0.863	0.949	0.593		12.6		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.01	2310.00	27710	0.0	12.0	11.74	50	0	Bottom	0	0.818	1.062	0.869	0.956	0.597		12.6		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.06	2310.00	27710	0.0	12.0	11.81	1	25	Right	0	0.037	1.045	0.039	0.043	0.026		26.1		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.06	2310.00	27710	0.0	12.0	11.79	25	12	Right	0	0.037	1.050	0.039	0.043	0.026		26.1		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.09	2310.00	27710	0.0	12.0	11.81	1	25	Left	0	0.010	1.045	0.010	0.011	0.007		31.8		
Body	LTE Band 30	10	QPSK	B	1792M	1:1	0.07	2310.00	27710	0.0	12.0	11.79	25	12	Left	0	0.009	1.050	0.009	0.010	0.007		32.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-93

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 30	10	QPSK	G	0071M	1:1	0.01	2310.00	27710	0.0	22.0	21.10	1	0	Back	10	0.529	1.230	0.651	0.716	0.448		23.8	23.8	21.0
Body	LTE Band 30	10	QPSK	G	0071M	1:1	-0.06	2310.00	27710	0.0	22.0	21.12	25	0	Back	10	0.520	1.225	0.637	0.701	0.438		23.9		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	-0.13	2310.00	27710	0.0	22.0	21.10	1	0	Top	13	0.463	1.230	0.569	0.626	0.392		24.4		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	0.01	2310.00	27710	0.0	22.0	21.12	25	0	Top	13	0.446	1.225	0.546	0.601	0.375		24.6		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	-0.12	2310.00	27710	0.0	22.0	21.10	1	0	Bottom	0	0.010	1.230	0.012	0.013	0.009		41.1		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	-0.06	2310.00	27710	0.0	22.0	21.12	25	0	Bottom	0	0.009	1.225	0.011	0.012	0.008		41.5		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	0.02	2310.00	27710	0.0	22.0	21.10	1	0	Right	0	0.516	1.230	0.635	0.699	0.437		23.9		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	0.01	2310.00	27710	0.0	22.0	21.12	25	0	Right	0	0.507	1.225	0.621	0.683	0.427		24.0		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	0.15	2310.00	27710	0.0	22.0	21.10	1	0	Left	0	0.113	1.230	0.139	0.153	0.096		30.5		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	0.02	2310.00	27710	0.0	22.0	21.12	25	0	Left	0	0.111	1.225	0.136	0.150	0.094		30.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-94 | Plot A42

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 30	10	QPSK	G	0071M	1:1	0.01	2310.00	27710	0.0	10.5	9.25	1	25	Back	0	0.491	1.334	0.655	0.721	0.450		12.3	9.5	9.5
Body	LTE Band 30	10	QPSK	G	0071M	1:1	0.06	2310.00	27710	0.0	10.5	9.23	25	0	Back	0	0.487	1.340	0.653	0.718	0.449		12.3		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	-0.06	2310.00	27710	0.0	10.5	9.25	1	25	Top	0	0.937	1.334	1.250	1.375	0.859	Plot	9.5		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	0.00	2310.00	27710	0.0	10.5	9.23	25	0	Top	0	0.928	1.340	1.244	1.368	0.856		9.5		
Body	LTE Band 30	10	QPSK	G	1792M	1:1	0.02	2310.00	27710	0.0	10.5	9.15	50	0	Top	0	0.907	1.365	1.238	1.362	0.851		9.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

12.5 LTE Band 7 Standalone SAR

Table 12-95

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 7	20	QPSK	B	1774M	1:1	0.02	2535.00	21100	0.0	25.0	24.22	1	0	Right Cheek	0	0.028	1.197	0.034	0.221	0.138		39.7	38.5	33.2
Head	LTE Band 7	20	QPSK	B	1774M	1:1	0.05	2535.00	21100	1.0	24.0	23.12	50	25	Right Cheek	0	0.024	1.225	0.029	0.244	0.153		39.3		
Head	LTE Band 7	20	QPSK	B	1774M	1:1	0.04	2535.00	21100	0.0	25.0	24.22	1	0	Right Tilt	0	0.037	1.197	0.044	0.293	0.183		38.5		
Head	LTE Band 7	20	QPSK	B	1774M	1:1	0.07	2535.00	21100	1.0	24.0	23.12	50	25	Right Tilt	0	0.027	1.225	0.033	0.275	0.172		38.8		
Head	LTE Band 7	20	QPSK	B	1774M	1:1	0.06	2535.00	21100	0.0	25.0	24.22	1	0	Left Cheek	0	0.032	1.197	0.038	0.253	0.158		39.1		
Head	LTE Band 7	20	QPSK	B	1774M	1:1	-0.13	2535.00	21100	1.0	24.0	23.12	50	25	Left Cheek	0	0.021	1.225	0.026	0.214	0.134		39.8		
Head	LTE Band 7	20	QPSK	B	1774M	1:1	0.03	2535.00	21100	0.0	25.0	24.22	1	0	Left Tilt	0	0.023	1.197	0.028	0.182	0.114		40.6		
Head	LTE Band 7	20	QPSK	B	1774M	1:1	0.08	2535.00	21100	1.0	24.0	23.12	50	25	Left Tilt	0	0.017	1.225	0.021	0.173	0.108		40.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-96 | Plot A43

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.11	2535.00	21100	0.0	18.0	17.33	1	50	Right Cheek	0	0.661	1.167	0.771	0.848	0.530		19.1	17.2	17.0
Head	LTE Band 7	20	QPSK	G	1792M	1:1	-0.01	2535.00	21100	0.0	18.0	17.37	50	25	Right Cheek	0	0.675	1.156	0.780	0.858	0.537		19.0		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.12	2510.00	20850	0.0	18.0	17.20	1	0	Right Tilt	0	0.689	1.202	0.828	0.911	0.570		18.8		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	-0.09	2535.00	21100	0.0	18.0	17.33	1	50	Right Tilt	0	0.721	1.167	0.841	0.925	0.579		18.7		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	-0.04	2560.00	21350	0.0	18.0	17.14	1	0	Right Tilt	0	0.855	1.219	1.042	1.146	0.716		17.8		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.01	2510.00	20850	0.0	18.0	17.22	50	50	Right Tilt	0	0.742	1.197	0.888	0.977	0.611		18.5		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.01	2535.00	21100	0.0	18.0	17.37	50	25	Right Tilt	0	0.731	1.156	0.845	0.930	0.581		18.7		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.04	2560.00	21350	0.0	18.0	17.30	50	0	Right Tilt	0	0.823	1.175	0.967	1.064	0.664		18.1		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.02	2535.00	21100	0.0	18.0	17.32	100	0	Right Tilt	0	0.730	1.169	0.853	0.938	0.586		18.6		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	-0.01	2510.00	20850	0.0	18.0	17.20	1	0	Left Cheek	0	0.638	1.202	0.767	0.844	0.527		19.1		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.10	2535.00	21100	0.0	18.0	17.33	1	50	Left Cheek	0	0.693	1.167	0.809	0.890	0.557		18.9		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.03	2560.00	21350	0.0	18.0	17.14	1	0	Left Cheek	0	0.750	1.219	0.914	1.005	0.628		18.3		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.02	2510.00	20850	0.0	18.0	17.22	50	50	Left Cheek	0	0.701	1.197	0.839	0.923	0.576		18.7		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	-0.02	2535.00	21100	0.0	18.0	17.37	50	25	Left Cheek	0	0.699	1.156	0.808	0.889	0.556		18.9		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.00	2560.00	21350	0.0	18.0	17.30	50	0	Left Cheek	0	0.780	1.175	0.917	1.009	0.630		18.3		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.00	2535.00	21100	0.0	18.0	17.32	100	0	Left Cheek	0	0.695	1.169	0.812	0.893	0.559		18.9		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.12	2510.00	20850	0.0	18.0	17.20	1	0	Left Tilt	0	0.856	1.202	1.029	1.132	0.707		17.8		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	-0.09	2535.00	21100	0.0	18.0	17.33	1	50	Left Tilt	0	0.895	1.167	1.044	1.148	0.718		17.8		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	-0.03	2560.00	21350	0.0	18.0	17.14	1	0	Left Tilt	0	0.979	1.219	1.193	1.312	0.821		17.2		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.00	2510.00	20850	0.0	18.0	17.22	50	50	Left Tilt	0	0.924	1.197	1.106	1.217	0.760		17.5		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.00	2535.00	21100	0.0	18.0	17.37	50	25	Left Tilt	0	0.910	1.156	1.052	1.157	0.724		17.7		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.02	2560.00	21350	0.0	18.0	17.30	50	0	Left Tilt	0	1.020	1.175	1.199	1.319	0.824	Plot	17.2		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.01	2560.00	21350	0.0	18.0	17.30	50	0	Left Tilt	0	0.961	1.175	1.129	1.242	0.777		17.4		
Head	LTE Band 7	20	QPSK	G	1792M	1:1	0.00	2535.00	21100	0.0	18.0	17.32	100	0	Left Tilt	0	0.915	1.169	1.070	1.177	0.736		17.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Blue entry represents variability measurement

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-97

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	0071M	1:1	0.01	2510.00	20850	0.0	20.0	18.95	1	50	Back	5	0.770	1.274	0.981	1.079	0.674		20.0	20.0	19.0
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	0071M	1:1	-0.04	2535.00	21100	0.0	20.0	18.93	1	0	Back	5	0.606	1.279	0.775	0.853	0.532		21.1		
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	0071M	1:1	0.06	2560.00	21350	0.0	20.0	18.87	1	0	Back	5	0.533	1.297	0.691	0.760	0.475		21.6		
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	0071M	1:1	0.05	2510.00	20850	0.0	20.0	18.97	50	25	Back	5	0.752	1.268	0.954	1.049	0.656		20.2		
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	0071M	1:1	0.01	2535.00	21100	0.0	20.0	18.95	50	0	Back	5	0.579	1.274	0.738	0.812	0.507		21.3		
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	0071M	1:1	0.08	2560.00	21350	0.0	20.0	18.80	50	25	Back	5	0.570	1.318	0.751	0.826	0.516		21.2		
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	0071M	1:1	0.07	2535.00	21100	0.0	20.0	18.91	100	0	Back	5	0.563	1.285	0.723	0.795	0.497		21.4		
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	1792M	1:1	0.04	2510.00	20850	0.0	20.0	18.95	1	50	Front	5	0.096	1.274	0.122	0.134	0.084		29.1		
Body-worn/Hotspot	LTE Band 7	20	QPSK	B	1792M	1:1	-0.01	2510.00	20850	0.0	20.0	18.97	50	25	Front	5	0.097	1.268	0.123	0.135	0.085		29.1		
Hotspot	LTE Band 7	20	QPSK	B	1792M	1:1	0.00	2510.00	20850	0.0	20.0	18.95	1	50	Bottom	10	0.230	1.274	0.293	0.322	0.201		25.3		
Hotspot	LTE Band 7	20	QPSK	B	1792M	1:1	-0.01	2510.00	20850	0.0	20.0	18.97	50	25	Bottom	10	0.231	1.268	0.293	0.322	0.201		25.3		
Hotspot	LTE Band 7	20	QPSK	B	1792M	1:1	0.18	2510.00	20850	0.0	20.0	18.95	1	50	Left	10	0.020	1.274	0.025	0.028	0.018		35.9		
Hotspot	LTE Band 7	20	QPSK	B	1792M	1:1	-0.03	2510.00	20850	0.0	20.0	18.97	50	25	Left	10	0.020	1.268	0.025	0.028	0.018		35.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-98 | Plot A44

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	-0.02	2510.00	20850	0.0	17.5	16.63	1	99	Back	5	0.870	1.222	1.063	1.169	0.730		17.2	17.2	16.5
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.01	2535.00	21100	0.0	17.5	16.91	1	50	Back	5	0.802	1.146	0.919	1.011	0.631		17.8		
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.04	2560.00	21350	0.0	17.5	16.47	1	0	Back	5	0.840	1.268	1.065	1.172	0.733		17.2		
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	-0.09	2510.00	20850	0.0	17.5	16.74	50	50	Back	5	0.899	1.191	1.071	1.178	0.736	Plot	17.2		
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.09	2535.00	21100	0.0	17.5	16.89	50	25	Back	5	0.822	1.151	0.946	1.041	0.650		17.7		
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.06	2560.00	21350	0.0	17.5	16.58	50	0	Back	5	0.850	1.236	1.051	1.156	0.723		17.2		
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	-0.09	2535.00	21100	0.0	17.5	16.81	100	0	Back	5	0.823	1.172	0.965	1.062	0.663		17.6		
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.03	2535.00	21100	0.0	17.5	16.91	1	50	Front	5	0.292	1.146	0.335	0.369	0.230		22.2		
Body-worn/Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.00	2535.00	21100	0.0	17.5	16.89	50	25	Front	5	0.296	1.151	0.341	0.375	0.234		22.1		
Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.00	2535.00	21100	0.0	17.5	16.91	1	50	Top	10	0.337	1.146	0.386	0.425	0.265		21.6		
Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.00	2535.00	21100	0.0	17.5	16.89	50	25	Top	10	0.336	1.151	0.387	0.426	0.266		21.6		
Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.12	2535.00	21100	0.0	17.5	16.91	1	50	Right	10	0.057	1.146	0.065	0.072	0.045		29.3		
Hotspot	LTE Band 7	20	QPSK	G	0071M	1:1	0.01	2535.00	21100	0.0	17.5	16.89	50	25	Right	10	0.062	1.151	0.071	0.078	0.048		28.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-99

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 7	20	QPSK	B	0590M	1:1	0.05	2535.00	21100	0.0	12.0	11.00	1	50	Back	0	0.574	1.259	0.723	0.795	0.497		13.4	13.4	11.0
Body	LTE Band 7	20	QPSK	B	0590M	1:1	0.07	2535.00	21100	0.0	12.0	11.01	50	25	Back	0	0.551	1.256	0.692	0.761	0.476		13.5		
Body	LTE Band 7	20	QPSK	B	1792M	1:1	0.07	2535.00	21100	0.0	12.0	11.00	1	50	Top	0	0.000	1.259	0.000	0.000	0.000		50.9		
Body	LTE Band 7	20	QPSK	B	1792M	1:1	0.07	2535.00	21100	0.0	12.0	11.01	50	25	Top	0	0.000	1.256	0.000	0.000	0.000		51.0		
Body	LTE Band 7	20	QPSK	B	1792M	1:1	-0.08	2535.00	21100	0.0	12.0	11.00	1	50	Bottom	0	0.294	1.259	0.370	0.407	0.254		16.3		
Body	LTE Band 7	20	QPSK	B	1792M	1:1	0.03	2535.00	21100	0.0	12.0	11.01	50	25	Bottom	0	0.293	1.256	0.368	0.405	0.253		16.3		
Body	LTE Band 7	20	QPSK	B	1792M	1:1	-0.14	2535.00	21100	0.0	12.0	11.00	1	50	Right	0	0.021	1.259	0.026	0.029	0.018		27.7		
Body	LTE Band 7	20	QPSK	B	1792M	1:1	0.15	2535.00	21100	0.0	12.0	11.01	50	25	Right	0	0.020	1.256	0.025	0.028	0.018		27.9		
Body	LTE Band 7	20	QPSK	B	1792M	1:1	0.04	2535.00	21100	0.0	12.0	11.00	1	50	Left	0	0.005	1.259	0.006	0.007	0.004		34.0		
Body	LTE Band 7	20	QPSK	B	1792M	1:1	-0.03	2535.00	21100	0.0	12.0	11.01	50	25	Left	0	0.005	1.256	0.006	0.007	0.004		34.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-100 | Plot A45

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 7	20	QPSK	G	0590M	1:1	0.07	2535.00	21100	0.0	18.5	18.44	1	50	Back	10	0.487	1.014	0.494	0.543	0.340		21.5	17.5	17.5
Body	LTE Band 7	20	QPSK	G	0590M	1:1	0.03	2535.00	21100	0.0	18.5	18.24	50	25	Back	10	0.500	1.062	0.531	0.584	0.365		21.2		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	-0.11	2535.00	21100	0.0	18.5	18.44	1	50	Top	13	0.356	1.014	0.361	0.397	0.249		22.9		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	-0.14	2535.00	21100	0.0	18.5	18.24	50	25	Top	13	0.346	1.062	0.367	0.404	0.252		22.8		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	-0.18	2535.00	21100	0.0	18.5	18.44	1	50	Bottom	0	0.024	1.014	0.024	0.026	0.017		34.6		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	-0.16	2535.00	21100	0.0	18.5	18.24	50	25	Bottom	0	0.023	1.062	0.024	0.026	0.017		34.6		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	0.02	2510.00	20850	0.0	18.5	17.93	1	99	Right	0	1.080	1.140	1.231	1.354	0.846	Plot	17.5		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	0.03	2535.00	21100	0.0	18.5	18.44	1	50	Right	0	0.955	1.014	0.968	1.065	0.666		18.6		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	0.12	2560.00	21350	0.0	18.5	18.05	1	0	Right	0	1.010	1.109	1.120	1.232	0.770		18.0		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	0.00	2510.00	20850	0.0	18.5	18.03	50	50	Right	0	1.060	1.114	1.181	1.299	0.812		17.7		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	0.03	2535.00	21100	0.0	18.5	18.24	50	25	Right	0	0.973	1.062	1.033	1.136	0.711		18.3		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	0.00	2560.00	21350	0.0	18.5	17.91	50	0	Right	0	1.010	1.146	1.157	1.273	0.795		17.8		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	-0.02	2535.00	21100	0.0	18.5	18.20	100	0	Right	0	0.972	1.072	1.042	1.146	0.716		18.3		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	-0.09	2535.00	21100	0.0	18.5	18.44	1	50	Left	0	0.063	1.014	0.064	0.070	0.044		30.4		
Body	LTE Band 7	20	QPSK	G	0590M	1:1	-0.06	2535.00	21100	0.0	18.5	18.24	50	25	Left	0	0.063	1.062	0.067	0.074	0.046		30.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-101

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 7	20	QPSK	G	0071M	1:1	-0.10	2535.00	21100	0.0	10.0	9.24	1	50	Back	0	0.516	1.191	0.615	0.677	0.422		12.1	9.9	9.0
Body	LTE Band 7	20	QPSK	G	0071M	1:1	0.02	2535.00	21100	0.0	10.0	9.22	50	25	Back	0	0.507	1.197	0.607	0.668	0.417		12.1		
Body	LTE Band 7	20	QPSK	G	1792M	1:1	-0.02	2510.00	20850	0.0	10.0	8.81	1	99	Top	0	0.700	1.315	0.921	1.013	0.634		10.3		
Body	LTE Band 7	20	QPSK	G	1792M	1:1	-0.12	2535.00	21100	0.0	10.0	9.24	1	50	Top	0	0.722	1.191	0.860	0.946	0.592		10.6		
Body	LTE Band 7	20	QPSK	G	1792M	1:1	-0.01	2560.00	21350	0.0	10.0	8.99	1	0	Top	0	0.776	1.262	0.979	1.077	0.673		10.0		
Body	LTE Band 7	20	QPSK	G	1792M	1:1	0.01	2510.00	20850	0.0	10.0	9.03	50	50	Top	0	0.718	1.250	0.898	0.988	0.617		10.4		
Body	LTE Band 7	20	QPSK	G	1792M	1:1	-0.01	2535.00	21100	0.0	10.0	9.22	50	25	Top	0	0.732	1.197	0.876	0.964	0.603		10.5		
Body	LTE Band 7	20	QPSK	G	1792M	1:1	-0.01	2560.00	21350	0.0	10.0	8.95	50	0	Top	0	0.799	1.274	1.018	1.120	0.700		9.9		
Body	LTE Band 7	20	QPSK	G	1792M	1:1	0.02	2535.00	21100	0.0	10.0	9.21	100	0	Top	0	0.730	1.199	0.875	0.963	0.602		10.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.6 LTE Band 41 Standalone SAR

Table 12-102

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.03	2680.00	41490	0.0	25.0	24.78	1	0	Right Cheek	0	0.023	1.052	0.024	0.326	0.204		39.1	38.6	34.3
Head	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.08	2680.00	41490	1.0	24.0	23.60	50	25	Right Cheek	0	0.019	1.096	0.021	0.354	0.221		38.8		
Head	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.03	2680.00	41490	0.0	25.0	24.78	1	0	Right Tilt	0	0.023	1.052	0.024	0.326	0.204		39.1		
Head	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.09	2680.00	41490	1.0	24.0	23.60	50	25	Right Tilt	0	0.020	1.096	0.022	0.372	0.233		38.6		
Head	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.08	2680.00	41490	0.0	25.0	24.78	1	0	Left Cheek	0	0.014	1.052	0.015	0.199	0.124		41.3		
Head	LTE Band 41	20	QPSK	B	0164M	1:1.58	-0.02	2680.00	41490	1.0	24.0	23.60	50	25	Left Cheek	0	0.011	1.096	0.012	0.205	0.128		41.2		
Head	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.04	2680.00	41490	0.0	25.0	24.78	1	0	Left Tilt	0	0.010	1.052	0.011	0.142	0.089		42.7		
Head	LTE Band 41	20	QPSK	B	0164M	1:1.58	-0.05	2680.00	41490	1.0	24.0	23.60	50	25	Left Tilt	0	0.009	1.096	0.010	0.168	0.105		42.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-103 | Plot A46

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2506.00	39750	0.0	19.0	18.45	1	0	Right Cheek	0	0.455	1.135	0.516	0.568	0.355		19.8	17.2	16.0
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.03	2506.00	39750	0.0	19.0	18.51	50	25	Right Cheek	0	0.493	1.119	0.552	0.607	0.380		19.5		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2506.00	39750	0.0	19.0	18.45	1	0	Right Tilt	0	0.512	1.135	0.581	0.639	0.399		19.3		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2549.50	40185	0.0	19.0	18.33	1	0	Right Tilt	0	0.646	1.167	0.754	0.829	0.518		18.2		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2593.00	40620	0.0	19.0	18.24	1	0	Right Tilt	0	0.683	1.191	0.813	0.894	0.559		17.9		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2636.50	41055	0.0	19.0	18.20	1	0	Right Tilt	0	0.670	1.202	0.805	0.886	0.553		17.9		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2680.00	41490	0.0	19.0	18.17	1	50	Right Tilt	0	0.590	1.211	0.714	0.785	0.491		18.4		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2506.00	39750	0.0	19.0	18.51	50	25	Right Tilt	0	0.559	1.119	0.626	0.689	0.430		19.0		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.03	2549.50	40185	0.0	19.0	18.40	50	0	Right Tilt	0	0.645	1.148	0.740	0.814	0.509		18.3		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2593.00	40620	0.0	19.0	18.29	50	0	Right Tilt	0	0.689	1.178	0.812	0.893	0.559		17.9		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2636.50	41055	0.0	19.0	18.30	50	0	Right Tilt	0	0.681	1.175	0.800	0.880	0.550		17.9		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2680.00	41490	0.0	19.0	18.33	50	0	Right Tilt	0	0.607	1.167	0.708	0.779	0.487		18.5		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2506.00	39750	0.0	19.0	18.43	100	0	Right Tilt	0	0.562	1.140	0.641	0.705	0.441		18.9		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.03	2506.00	39750	0.0	19.0	18.45	1	0	Left Cheek	0	0.563	1.135	0.639	0.703	0.439		18.9		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2549.50	40185	0.0	19.0	18.33	1	0	Left Cheek	0	0.657	1.167	0.767	0.844	0.527		18.1		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.11	2593.00	40620	0.0	19.0	18.24	1	0	Left Cheek	0	0.667	1.191	0.794	0.873	0.546		18.0		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2636.50	41055	0.0	19.0	18.20	1	0	Left Cheek	0	0.670	1.202	0.805	0.886	0.553		17.9		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.05	2680.00	41490	0.0	19.0	18.17	1	50	Left Cheek	0	0.550	1.211	0.666	0.733	0.458		18.7		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.02	2506.00	39750	0.0	19.0	18.51	50	25	Left Cheek	0	0.601	1.119	0.673	0.740	0.463		18.7		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2549.50	40185	0.0	19.0	18.40	50	0	Left Cheek	0	0.657	1.148	0.754	0.829	0.518		18.2		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2593.00	40620	0.0	19.0	18.29	50	0	Left Cheek	0	0.693	1.178	0.816	0.898	0.561		17.8		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2636.50	41055	0.0	19.0	18.30	50	0	Left Cheek	0	0.672	1.175	0.790	0.869	0.543		18.0		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2680.00	41490	0.0	19.0	18.33	50	0	Left Cheek	0	0.597	1.167	0.697	0.767	0.480		18.5		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2506.00	39750	0.0	19.0	18.43	100	0	Left Cheek	0	0.562	1.140	0.641	0.705	0.441		18.9		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2506.00	39750	0.0	19.0	18.45	1	0	Left Tilt	0	0.608	1.135	0.690	0.759	0.474		18.6		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.02	2549.50	40185	0.0	19.0	18.33	1	0	Left Tilt	0	0.741	1.167	0.865	0.952	0.595		17.6		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2593.00	40620	0.0	19.0	18.24	1	0	Left Tilt	0	0.780	1.191	0.929	1.022	0.639		17.3		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.03	2636.50	41055	0.0	19.0	18.20	1	0	Left Tilt	0	0.774	1.202	0.930	1.023	0.639		17.3		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2680.00	41490	0.0	19.0	18.17	1	50	Left Tilt	0	0.696	1.211	0.843	0.927	0.580		17.7		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2506.00	39750	0.0	19.0	18.51	50	25	Left Tilt	0	0.650	1.119	0.727	0.800	0.499		18.3		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.02	2549.50	40185	0.0	19.0	18.40	50	0	Left Tilt	0	0.740	1.148	0.850	0.935	0.584		17.7		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2593.00	40620	0.0	19.0	18.29	50	0	Left Tilt	0	0.808	1.178	0.952	1.047	0.655	Plot	17.2		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2636.50	41055	0.0	19.0	18.30	50	0	Left Tilt	0	0.799	1.175	0.939	1.033	0.646		17.2		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2680.00	41490	0.0	19.0	18.33	50	0	Left Tilt	0	0.727	1.167	0.848	0.933	0.583		17.7		
Head	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2506.00	39750	0.0	19.0	18.43	100	0	Left Tilt	0	0.666	1.140	0.759	0.835	0.521		18.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-104

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 41	20	QPSK	B	0069M	1:1.58	0.07	2680.00	41490	0.0	20.5	20.28	1	99	Back	5	0.355	1.052	0.373	0.410	0.256		22.7	22.3	17.5
Body-worn/Hotspot	LTE Band 41	20	QPSK	B	0069M	1:1.58	0.01	2680.00	41490	0.0	20.5	20.12	50	50	Back	5	0.376	1.091	0.410	0.451	0.282		22.3		
Body-worn/Hotspot	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.01	2680.00	41490	0.0	20.5	20.28	1	99	Front	5	0.084	1.052	0.088	0.097	0.061		29.0		
Body-worn/Hotspot	LTE Band 41	20	QPSK	B	0164M	1:1.58	-0.04	2680.00	41490	0.0	20.5	20.12	50	50	Front	5	0.080	1.091	0.087	0.096	0.059		29.1		
Hotspot	LTE Band 41	20	QPSK	B	0164M	1:1.58	-0.01	2680.00	41490	0.0	20.5	20.28	1	99	Bottom	10	0.177	1.052	0.186	0.205	0.128		25.8		
Hotspot	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.00	2680.00	41490	0.0	20.5	20.12	50	50	Bottom	10	0.183	1.091	0.200	0.220	0.138		25.5		
Hotspot	LTE Band 41	20	QPSK	B	0164M	1:1.58	0.01	2680.00	41490	0.0	20.5	20.28	1	99	Left	10	0.012	1.052	0.013	0.014	0.009		37.5		
Hotspot	LTE Band 41	20	QPSK	B	0164M	1:1.58	-0.12	2680.00	41490	0.0	20.5	20.12	50	50	Left	10	0.012	1.091	0.013	0.014	0.009		37.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-105 | Plot A47

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.03	2506.00	39750	0.0	19.5	18.86	1	99	Back	5	0.883	1.159	1.023	1.125	0.703		17.4	16.8	16.5
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.03	2549.50	40185	0.0	19.5	18.84	1	0	Back	5	0.965	1.164	1.123	1.235	0.772		17.0		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2593.00	40620	0.0	19.5	18.81	1	0	Back	5	0.964	1.172	1.130	1.243	0.777		16.9		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2636.50	41055	0.0	19.5	18.78	1	0	Back	5	0.942	1.180	1.112	1.223	0.765		17.0		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2680.00	41490	0.0	19.5	18.78	1	0	Back	5	0.849	1.180	1.002	1.102	0.689		17.5		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2506.00	39750	0.0	19.5	18.87	50	50	Back	5	0.903	1.156	1.044	1.148	0.718		17.3		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2549.50	40185	0.0	19.5	18.85	50	25	Back	5	1.010	1.161	1.173	1.290	0.806	Plot	16.8		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.05	2593.00	40620	0.0	19.5	18.83	50	0	Back	5	0.990	1.167	1.155	1.271	0.794		16.8		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2636.50	41055	0.0	19.5	18.76	50	0	Back	5	0.969	1.186	1.149	1.264	0.790		16.9		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2680.00	41490	0.0	19.5	18.76	50	0	Back	5	0.856	1.186	1.015	1.117	0.697		17.4		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2506.00	39750	0.0	19.5	18.84	100	0	Back	5	0.890	1.164	1.036	1.140	0.713		17.3		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.02	2506.00	39750	0.0	19.5	18.86	1	99	Front	5	0.282	1.159	0.327	0.360	0.224		22.3		
Body-worn/Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2506.00	39750	0.0	19.5	18.87	50	50	Front	5	0.282	1.156	0.326	0.359	0.224		22.3		
Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2506.00	39750	0.0	19.5	18.86	1	99	Top	10	0.381	1.159	0.442	0.486	0.304		21.0		
Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2506.00	39750	0.0	19.5	18.87	50	50	Top	10	0.383	1.156	0.443	0.487	0.305		21.0		
Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2506.00	39750	0.0	19.5	18.86	1	99	Right	10	0.041	1.159	0.048	0.053	0.033		30.7		
Hotspot	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.14	2506.00	39750	0.0	19.5	18.87	50	50	Right	10	0.042	1.156	0.049	0.054	0.034		30.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-106

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 41	20	QPSK	B	1774M	1:1.58	0.03	2680.00	41490	0.0	14.0	13.56	1	50	Back	0	0.507	1.107	0.561	0.617	0.386		14.5	14.5	11.0
Body	LTE Band 41	20	QPSK	B	1774M	1:1.58	0.08	2680.00	41490	0.0	14.0	13.58	50	50	Back	0	0.510	1.102	0.562	0.618	0.386		14.5		
Body	LTE Band 41	20	QPSK	B	0067M	1:1.58	0.02	2680.00	41490	0.0	14.0	13.55	1	0	Top	0	0.000	1.109	0.000	0.000	0.000		51.5		
Body	LTE Band 41	20	QPSK	B	0067M	1:1.58	0.03	2680.00	41490	0.0	14.0	13.58	50	50	Top	0	0.000	1.102	0.000	0.000	0.000		51.5		
Body	LTE Band 41	20	QPSK	B	0067M	1:1.58	-0.05	2680.00	41490	0.0	14.0	13.56	1	50	Bottom	0	0.369	1.107	0.408	0.449	0.281		15.9		
Body	LTE Band 41	20	QPSK	B	0067M	1:1.58	-0.07	2680.00	41490	0.0	14.0	13.58	50	50	Bottom	0	0.366	1.102	0.403	0.443	0.277		15.9		
Body	LTE Band 41	20	QPSK	B	0067M	1:1.58	0.01	2680.00	41490	0.0	14.0	13.56	1	50	Right	0	0.020	1.107	0.022	0.024	0.015		28.5		
Body	LTE Band 41	20	QPSK	B	0067M	1:1.58	-0.01	2680.00	41490	0.0	14.0	13.58	50	50	Right	0	0.019	1.102	0.021	0.023	0.014		28.8		
Body	LTE Band 41	20	QPSK	B	0067M	1:1.58	0.06	2680.00	41490	0.0	14.0	13.56	1	50	Left	0	0.003	1.107	0.003	0.003	0.002		36.8		
Body	LTE Band 41	20	QPSK	B	0067M	1:1.58	0.06	2680.00	41490	0.0	14.0	13.58	50	50	Left	0	0.003	1.102	0.003	0.003	0.002		36.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-107

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	0.08	2506.00	39750	0.0	22.0	21.45	1	50	Back	10	0.353	1.135	0.401	0.441	0.276		23.9	23.9	19.0
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	-0.01	2506.00	39750	0.0	22.0	21.50	50	25	Back	10	0.327	1.122	0.367	0.404	0.252		24.3		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2506.00	39750	0.0	22.0	21.45	1	50	Top	13	0.332	1.135	0.377	0.415	0.260		24.2		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.15	2506.00	39750	0.0	22.0	21.50	50	25	Top	13	0.336	1.122	0.377	0.415	0.260		24.2		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.06	2506.00	39750	0.0	22.0	21.45	1	50	Bottom	0	0.015	1.135	0.017	0.019	0.012		37.7		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.05	2506.00	39750	0.0	22.0	21.50	50	25	Bottom	0	0.015	1.122	0.017	0.019	0.012		37.7		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.04	2506.00	39750	0.0	22.0	21.45	1	50	Right	0	0.309	1.135	0.351	0.386	0.241		24.5		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.05	2506.00	39750	0.0	22.0	21.50	50	25	Right	0	0.311	1.122	0.349	0.384	0.240		24.5		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.05	2506.00	39750	0.0	22.0	21.45	1	50	Left	0	0.075	1.135	0.085	0.094	0.058		30.7		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.12	2506.00	39750	0.0	22.0	21.50	50	25	Left	0	0.075	1.122	0.084	0.092	0.058		30.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-108 | Plot A48

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	0.00	2506.00	39750	0.0	12.0	11.25	1	50	Back	0	0.647	1.189	0.769	0.846	0.529		11.1	9.4	9.0
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	0.09	2549.50	40185	0.0	12.0	11.32	1	0	Back	0	0.728	1.169	0.851	0.936	0.585		10.7		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	0.01	2593.00	40620	0.0	12.0	11.08	1	0	Back	0	0.744	1.236	0.920	1.012	0.633		10.3		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	0.02	2636.50	41055	0.0	12.0	11.01	1	50	Back	0	0.648	1.256	0.814	0.895	0.560		10.9		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	0.01	2680.00	41490	0.0	12.0	11.08	1	0	Back	0	0.651	1.236	0.805	0.886	0.553		10.9		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	0.01	2506.00	39750	0.0	12.0	11.35	50	50	Back	0	0.690	1.161	0.801	0.881	0.551		10.9		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	-0.05	2549.50	40185	0.0	12.0	11.36	50	0	Back	0	0.736	1.159	0.853	0.938	0.586		10.7		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	-0.02	2593.00	40620	0.0	12.0	11.18	50	0	Back	0	0.756	1.208	0.913	1.004	0.628		10.4		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	-0.01	2636.50	41055	0.0	12.0	11.15	50	25	Back	0	0.689	1.216	0.838	0.922	0.576		10.7		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	-0.02	2680.00	41490	0.0	12.0	11.18	50	25	Back	0	0.636	1.208	0.768	0.845	0.528		11.1		
Body	LTE Band 41	20	QPSK	G	0069M	1:1.58	0.04	2549.50	40185	0.0	12.0	11.30	100	0	Back	0	0.753	1.175	0.885	0.974	0.608		10.5		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.06	2506.00	39750	0.0	12.0	11.25	1	50	Top	0	0.803	1.189	0.955	1.051	0.657		10.2		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2549.50	40185	0.0	12.0	11.32	1	0	Top	0	0.905	1.169	1.058	1.164	0.727		9.7		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2593.00	40620	0.0	12.0	11.08	1	0	Top	0	0.927	1.236	1.146	1.261	0.788		9.4		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.00	2636.50	41055	0.0	12.0	11.01	1	50	Top	0	0.884	1.256	1.110	1.221	0.763		9.5		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2680.00	41490	0.0	12.0	11.08	1	0	Top	0	0.805	1.236	0.995	1.095	0.684		10.0		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2506.00	39750	0.0	12.0	11.35	50	50	Top	0	0.811	1.161	0.942	1.036	0.648		10.2		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.03	2549.50	40185	0.0	12.0	11.36	50	0	Top	0	0.902	1.159	1.045	1.150	0.718		9.8		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2593.00	40620	0.0	12.0	11.18	50	0	Top	0	0.942	1.208	1.138	1.252	0.782	Plot	9.4		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	0.01	2636.50	41055	0.0	12.0	11.15	50	25	Top	0	0.891	1.216	1.083	1.191	0.745		9.6		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.02	2680.00	41490	0.0	12.0	11.18	50	25	Top	0	0.816	1.208	0.986	1.085	0.678		10.0		
Body	LTE Band 41	20	QPSK	G	0067M	1:1.58	-0.01	2549.50	40185	0.0	12.0	11.30	100	0	Top	0	0.906	1.175	1.065	1.172	0.733		9.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

12.7 LTE Band 48 Standalone SAR

Table 12-109 | Plot A49

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	-0.14	3690.00	56640	0.0	23.0	22.49	1	50	Right Cheek	0	N/A	0.266	1.125	0.299	0.329	0.206		26.2	22.6	20.0
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	0.03	3690.00	56640	0.0	23.0	21.79	50	25	Right Cheek	0	N/A	0.264	1.321	0.349	0.384	0.240		25.5		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	-0.01	3690.00	56640	0.0	23.0	22.49	1	50	Right Tilt	0	N/A	0.462	1.125	0.520	0.572	0.358		23.8		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	0.11	3560.00	55340	0.0	23.0	21.72	50	0	Right Tilt	0	N/A	0.414	1.343	0.556	0.612	0.383		23.5		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	0.03	3603.30	55773	0.0	23.0	21.68	50	25	Right Tilt	0	N/A	0.410	1.355	0.556	0.612	0.383		23.5		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	-0.02	3646.70	56207	0.0	23.0	21.77	50	25	Right Tilt	0	N/A	0.444	1.327	0.589	0.648	0.405		23.3		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	0.00	3690.00	56640	0.0	23.0	21.79	50	25	Right Tilt	0	N/A	0.522	1.321	0.690	0.759	0.474	Plot	22.6		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	0.03	3690.00	56640	0.0	23.0	21.77	50	0	Right Tilt	0	N/A	0.478	1.327	0.634	0.697	0.436		22.9		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	-0.08	3690.00	56640	0.0	23.0	22.49	1	50	Left Cheek	0	N/A	0.250	1.125	0.281	0.309	0.194		26.5		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	0.07	3690.00	56640	0.0	23.0	21.79	50	25	Left Cheek	0	N/A	0.258	1.321	0.341	0.375	0.234		25.6		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	-0.08	3690.00	56640	0.0	23.0	22.49	1	50	Left Tilt	0	N/A	0.307	1.125	0.345	0.380	0.238		25.6		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	-0.01	3690.00	56640	0.0	23.0	21.79	50	25	Left Tilt	0	N/A	0.319	1.321	0.421	0.463	0.289		24.7		
Head	LTE Band 48	20	QPSK	F	1777M	1:1.58	0.03	3690.00	56640	0.0	23.0	22.00	50	0	Right Tilt	0	ULCA 48C	0.469	1.259	0.590	0.649	0.406		23.3		
		20						3670.20	56442				50	50												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-110

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.06	3603.30	55773	0.0	24.0	23.39	1	99	Right Cheek	0	N/A	0.000	1.151	0.000	0.000	0.000		61.4	60.4	60.4
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.05	3603.30	55773	1.0	23.0	22.44	50	25	Right Cheek	0	N/A	0.000	1.138	0.000	0.000	0.000		60.4		
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.02	3603.30	55773	0.0	24.0	23.39	1	99	Right Tilt	0	N/A	0.000	1.151	0.000	0.000	0.000		61.4		
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.08	3603.30	55773	1.0	23.0	22.44	50	25	Right Tilt	0	N/A	0.000	1.138	0.000	0.000	0.000		60.4		
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.02	3603.30	55773	0.0	24.0	23.39	1	99	Left Cheek	0	N/A	0.000	1.151	0.000	0.000	0.000		61.4		
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.01	3603.30	55773	1.0	23.0	22.44	50	25	Left Cheek	0	N/A	0.000	1.138	0.000	0.000	0.000		60.4		
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.01	3603.30	55773	0.0	24.0	23.39	1	99	Left Tilt	0	N/A	0.000	1.151	0.000	0.000	0.000		61.4		
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.05	3603.30	55773	1.0	23.0	22.44	50	25	Left Tilt	0	N/A	0.000	1.138	0.000	0.000	0.000		60.4		
Head	LTE Band 48	20	QPSK	C	1777M	1:1.58	0.01	3603.30	55773	0.0	24.0	23.25	1	99	Left Cheek	0	ULCA 48C	0.000	1.189	0.000	0.000	0.000		61.2		
		20						3623.10	55971				1	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-111 | Plot A50

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.01	3560.00	55340	0.0	21.0	20.67	1	50	Back	5	N/A	0.967	1.079	1.043	1.147	0.717		18.8	18.3	18.0
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.01	3603.30	55773	0.0	21.0	20.61	1	50	Back	5	N/A	0.958	1.094	1.048	1.153	0.721		18.8		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.02	3646.70	56207	0.0	21.0	20.78	1	50	Back	5	N/A	0.974	1.052	1.025	1.128	0.705		18.9		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.02	3690.00	56640	0.0	21.0	20.80	1	50	Back	5	N/A	1.110	1.047	1.162	1.278	0.799	Plot	18.3		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.03	3690.00	56640	0.0	21.0	20.80	1	50	Back	5	N/A	1.020	1.047	1.068	1.175	0.735		18.7		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.01	3690.00	56640	0.0	21.0	20.66	1	0	Back	5	N/A	0.957	1.081	1.035	1.139	0.712		18.8		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.01	3560.00	55340	0.0	21.0	20.62	50	0	Back	5	N/A	0.977	1.091	1.066	1.173	0.733		18.7		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.00	3560.00	55340	0.0	21.0	20.61	50	0	Back	5	N/A	0.938	1.091	0.923	0.991	0.620		19.4		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.00	3603.30	55773	0.0	21.0	20.62	50	25	Back	5	N/A	0.954	1.091	1.041	1.145	0.716		18.8		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.05	3646.70	56207	0.0	21.0	20.64	50	25	Back	5	N/A	1.000	1.086	1.086	1.195	0.747		18.6		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.00	3690.00	56640	0.0	21.0	20.75	50	25	Back	5	N/A	1.030	1.059	1.091	1.200	0.750		18.6		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.00	3690.00	56640	0.0	21.0	20.73	100	0	Back	5	N/A	0.992	1.064	1.055	1.161	0.725		18.7		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.11	3690.00	56640	0.0	21.0	20.80	1	50	Front	5	N/A	0.116	1.047	0.121	0.133	0.084		28.1		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.11	3690.00	56640	0.0	21.0	20.75	50	25	Front	5	N/A	0.120	1.059	0.127	0.140	0.087		27.9		
Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.01	3690.00	56640	0.0	21.0	20.80	1	50	Top	10	N/A	0.342	1.047	0.358	0.394	0.246		23.4		
Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.13	3690.00	56640	0.0	21.0	20.75	50	25	Top	10	N/A	0.352	1.059	0.373	0.410	0.256		23.3		
Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.15	3690.00	56640	0.0	21.0	20.80	1	50	Left	10	N/A	0.055	1.047	0.058	0.064	0.040		31.4		
Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.05	3690.00	56640	0.0	21.0	20.75	50	25	Left	10	N/A	0.052	1.059	0.055	0.061	0.037		31.6		
Body-worn/Hotspot	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.00	3690.00	56640	0.0	21.0	20.47	1	0	Back	5	ULCA 48C	0.909	1.13	1.027	1.130	0.706		18.9		
		20						3670.20	56442				1	99												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Blue entry represents variability measurement

Table 12-112

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.17	3560.00	55340	0.0	21.0	20.74	1	50	Back	5	N/A	0.823	1.062	0.874	0.961	0.601		19.6	19.0	18.0
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.00	3603.30	55773	0.0	21.0	20.82	1	50	Back	5	N/A	0.702	1.042	0.731	0.804	0.503		20.3		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.03	3646.70	56207	0.0	21.0	20.79	1	50	Back	5	N/A	0.840	1.050	0.882	0.970	0.606		19.5		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.02	3690.00	56640	0.0	21.0	20.62	1	50	Back	5	N/A	0.798	1.091	0.871	0.958	0.598		19.6		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.06	3560.00	55340	0.0	21.0	20.77	50	50	Back	5	N/A	0.872	1.054	0.919	1.011	0.631		19.3		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.16	3603.30	55773	0.0	21.0	20.85	50	25	Back	5	N/A	0.964	1.035	0.998	1.098	0.686		19.0		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.01	3603.30	55773	0.0	21.0	20.77	50	50	Back	5	N/A	0.878	1.054	0.925	1.018	0.636		19.3		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.06	3646.70	56207	0.0	21.0	20.83	50	25	Back	5	N/A	0.916	1.040	0.953	1.048	0.656		19.2		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.02	3690.00	56640	0.0	21.0	20.76	50	25	Back	5	N/A	0.818	1.057	0.865	0.952	0.595		19.6		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.01	3603.30	55773	0.0	21.0	20.81	100	0	Back	5	N/A	0.885	1.045	0.925	1.018	0.636		19.3		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.10	3603.30	55773	0.0	21.0	20.82	1	50	Front	5	N/A	0.067	1.042	0.070	0.077	0.048		30.5		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.01	3603.30	55773	0.0	21.0	20.85	50	25	Front	5	N/A	0.069	1.035	0.071	0.078	0.048		30.4		
Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.09	3603.30	55773	0.0	21.0	20.82	1	50	Bottom	10	N/A	0.180	1.042	0.188	0.207	0.130		26.2		
Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.21	3603.30	55773	0.0	21.0	20.85	50	25	Bottom	10	N/A	0.192	1.035	0.199	0.219	0.136		26.0		
Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.04	3603.30	55773	0.0	21.0	20.82	1	50	Right	10	N/A	0.014	1.042	0.015	0.017	0.010		37.3		
Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.08	3603.30	55773	0.0	21.0	20.85	50	25	Right	10	N/A	0.016	1.035	0.017	0.019	0.012		36.8		
Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.05	3603.30	55773	0.0	21.0	20.82	1	50	Left	10	N/A	0.019	1.042	0.020	0.022	0.014		36.0		
Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.02	3603.30	55773	0.0	21.0	20.85	50	25	Left	10	N/A	0.022	1.035	0.023	0.025	0.015		35.4		
Body-worn/Hotspot	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.02	3603.30	55773	0.0	21.0	20.97	50	50	Back	5	ULCA 48C	0.898	1.007	0.904	0.994	0.622		19.4		
		20						3623.10	55971				50	0												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-113

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	0.02	3560.00	55340	0.0	12.0	10.83	1	99	Back	0	N/A	0.511	1.309	0.669	0.736	0.460		11.7	9.6	9.0
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	-0.01	3603.30	55773	0.0	12.0	10.79	1	50	Back	0	N/A	0.509	1.321	0.672	0.739	0.462		11.7		
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	0.00	3646.70	56207	0.0	12.0	10.78	1	50	Back	0	N/A	0.536	1.324	0.710	0.781	0.488		11.5		
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	-0.03	3690.00	56640	0.0	12.0	10.93	1	50	Back	0	N/A	0.579	1.279	0.741	0.815	0.509		11.3		
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	0.05	3560.00	55340	0.0	12.0	10.88	50	25	Back	0	N/A	0.544	1.294	0.704	0.774	0.484		11.5		
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	0.01	3603.30	55773	0.0	12.0	10.89	50	25	Back	0	N/A	0.514	1.291	0.664	0.730	0.457		11.7		
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	0.00	3646.70	56207	0.0	12.0	10.93	50	25	Back	0	N/A	0.542	1.279	0.693	0.762	0.476		11.6		
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	-0.03	3690.00	56640	0.0	12.0	11.00	50	25	Back	0	N/A	0.598	1.259	0.753	0.828	0.518		11.2		
Body	LTE Band 48	20	QPSK	F	0067M	1:1.58	0.07	3690.00	56640	0.0	12.0	10.87	100	0	Back	0	N/A	0.596	1.297	0.773	0.850	0.531		11.1		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.01	3560.00	55340	0.0	12.0	10.83	1	99	Top	0	N/A	0.732	1.309	0.958	1.054	0.659		10.2		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.09	3603.30	55773	0.0	12.0	10.79	1	50	Top	0	N/A	0.741	1.321	0.979	1.077	0.673		10.1		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.10	3646.70	56207	0.0	12.0	10.78	1	50	Top	0	N/A	0.770	1.324	1.019	1.121	0.701		9.9		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.03	3690.00	56640	0.0	12.0	10.93	1	50	Top	0	N/A	0.799	1.279	1.022	1.124	0.703		9.9		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.03	3560.00	55340	0.0	12.0	10.88	50	25	Top	0	N/A	0.751	1.294	0.972	1.069	0.669		10.1		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.02	3603.30	55773	0.0	12.0	10.89	50	25	Top	0	N/A	0.766	1.291	0.989	1.088	0.680		10.0		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.06	3646.70	56207	0.0	12.0	10.93	50	25	Top	0	N/A	0.794	1.279	1.016	1.118	0.699		9.9		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.01	3690.00	56640	0.0	12.0	11.00	50	25	Top	0	N/A	0.865	1.259	1.089	1.198	0.749		9.6		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.00	3690.00	56640	0.0	12.0	10.96	50	0	Top	0	N/A	0.856	1.271	1.088	1.197	0.748		9.6		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.02	3690.00	56640	0.0	12.0	10.87	100	0	Top	0	N/A	0.836	1.297	1.084	1.192	0.746		9.6		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.04	3690.00	56640	0.0	12.0	10.93	1	50	Bottom	0	N/A	0.000	1.279	0.000	0.000	0.000		48.9		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.04	3690.00	56640	0.0	12.0	11.00	50	25	Bottom	0	N/A	0.000	1.259	0.000	0.000	0.000		49.0		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.06	3690.00	56640	0.0	12.0	10.93	1	50	Right	0	N/A	0.021	1.279	0.027	0.030	0.019		25.7		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.08	3690.00	56640	0.0	12.0	11.00	50	25	Right	0	N/A	0.021	1.259	0.026	0.029	0.018		25.7		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	0.04	3690.00	56640	0.0	12.0	10.93	1	50	Left	0	N/A	0.014	1.279	0.018	0.020	0.012		27.4		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.09	3690.00	56640	0.0	12.0	11.00	50	25	Left	0	N/A	0.015	1.259	0.019	0.021	0.013		27.2		
Body	LTE Band 48	20	QPSK	F	1755M	1:1.58	-0.09	3690.00	56640	0.0	12.0	11.10	50	0	Top	0	ULCA 48C	0.894	1.23	1.100	1.210	0.757		9.6		
		20						3670.20	56442				50	50												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-114 | Plot A51

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Add'l Info	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.07	3603.30	55773	0.0	13.0	12.97	1	99	Back	0	N/A	0.463	1.007	0.466	0.513	0.320		14.3	11.3	10.0
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.01	3603.30	55773	0.0	13.0	12.95	50	25	Back	0	N/A	0.485	1.012	0.491	0.540	0.338		14.1		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.01	3603.30	55773	0.0	13.0	12.97	1	99	Top	0	N/A	0.000	1.007	0.000	0.000	0.000		50.9		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.03	3603.30	55773	0.0	13.0	12.95	50	25	Top	0	N/A	0.000	1.012	0.000	0.000	0.000		50.9		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.14	3560.00	55340	0.0	13.0	12.81	1	99	Bottom	0	N/A	0.793	1.045	0.829	0.912	0.570		11.8		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.02	3603.30	55773	0.0	13.0	12.97	1	99	Bottom	0	N/A	0.854	1.007	0.860	0.946	0.592		11.6		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.03	3646.70	56207	0.0	13.0	12.81	1	50	Bottom	0	N/A	0.815	1.045	0.852	0.937	0.586		11.7		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.00	3690.00	56640	0.0	13.0	12.69	1	50	Bottom	0	N/A	0.776	1.074	0.833	0.916	0.573		11.8		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.02	3560.00	55340	0.0	13.0	12.87	50	25	Bottom	0	N/A	0.802	1.030	0.826	0.909	0.568		11.8		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.03	3603.30	55773	0.0	13.0	12.95	50	25	Bottom	0	N/A	0.898	1.012	0.909	1.000	0.625	Plot	11.4		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.10	3603.30	55773	0.0	13.0	12.91	50	0	Bottom	0	N/A	0.884	1.021	0.903	0.991	0.620		11.4		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.11	3646.70	56207	0.0	13.0	12.91	50	25	Bottom	0	N/A	0.838	1.021	0.856	0.942	0.589		11.6		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.06	3690.00	56640	0.0	13.0	12.82	50	25	Bottom	0	N/A	0.785	1.042	0.818	0.900	0.562		11.8		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.00	3603.30	55773	0.0	13.0	12.90	100	0	Bottom	0	N/A	0.867	1.023	0.887	0.976	0.609		11.5		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.05	3603.30	55773	0.0	13.0	12.97	1	99	Right	0	N/A	0.015	1.007	0.015	0.017	0.010		29.2		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.06	3603.30	55773	0.0	13.0	12.95	50	25	Right	0	N/A	0.016	1.012	0.016	0.018	0.011		28.9		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.05	3603.30	55773	0.0	13.0	12.97	1	99	Left	0	N/A	0.012	1.007	0.012	0.013	0.009		30.1		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	0.08	3603.30	55773	0.0	13.0	12.95	50	25	Left	0	N/A	0.012	1.012	0.012	0.013	0.009		30.1		
Body	LTE Band 48	20	QPSK	C	1755M	1:1.58	-0.10	3603.30	55773	0.0	13.0	12.75	50	0	Bottom	0	ULCA 48C	0.880	1.059	0.932	1.025	0.641		11.3		
		20						3583.50	55575				50	50												
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.8 NR Band n71 Standalone SAR

Table 12-115

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.07	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right Cheek	0	13	0.124	1.233	0.153	0.384	0.240		33.1	33.1	29.0
Head	NR Band n71	35	QPSK	A+C	0171M	1:1	0.06	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Right Cheek	0	13	0.123	1.253	0.154	0.387	0.242		33.1		
Head	NR Band n71	35	QPSK	A+C	0171M	1:1	0.06	680.50	136100	CP-OFDM	1.5	23.5	22.95	1	1	Right Cheek	0	13	0.091	1.135	0.103	0.366	0.229		33.3		
Head	NR Band n71	35	QPSK	A+C	0158R	1:1	0.08	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right Tilt	0	13	0.085	1.233	0.105	0.263	0.164		34.7		
Head	NR Band n71	35	QPSK	A+C	0158R	1:1	0.08	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Right Tilt	0	13	0.085	1.253	0.107	0.268	0.168		34.7		
Head	NR Band n71	35	QPSK	A+C	0171M	1:1	0.04	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Left Cheek	0	13	0.084	1.233	0.104	0.260	0.163		34.8		
Head	NR Band n71	35	QPSK	A+C	0171M	1:1	0.05	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Left Cheek	0	13	0.083	1.253	0.104	0.261	0.163		34.8		
Head	NR Band n71	35	QPSK	A+C	0171M	1:1	0.07	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Left Tilt	0	46	0.062	1.233	0.076	0.192	0.120		36.1		
Head	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.06	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Left Tilt	0	46	0.067	1.253	0.084	0.211	0.132		35.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-116

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n71	35	QPSK	A	0069M	1:1	-0.13	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right Cheek	0	63	0.076	1.233	0.094	0.235	0.147		35.2	35.2	29.0
Head	NR Band n71	35	QPSK	A	0069M	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Right Cheek	0	63	0.067	1.253	0.084	0.211	0.132		35.7		
Head	NR Band n71	35	QPSK	A	0069M	1:1	0.03	680.50	136100	CP-OFDM	1.5	23.5	22.95	1	1	Right Cheek	0	63	0.057	1.135	0.065	0.230	0.144		35.3		
Head	NR Band n71	35	QPSK	A	0164M	1:1	0.12	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right Tilt	0	36	0.041	1.233	0.051	0.127	0.079		37.9		
Head	NR Band n71	35	QPSK	A	0164M	1:1	-0.15	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Right Tilt	0	36	0.039	1.253	0.049	0.123	0.077		38.1		
Head	NR Band n71	35	QPSK	A	0069M	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Left Cheek	0	63	0.056	1.233	0.069	0.173	0.108		36.6		
Head	NR Band n71	35	QPSK	A	0069M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Left Cheek	0	63	0.050	1.253	0.063	0.157	0.098		37.0		
Head	NR Band n71	35	QPSK	A	0164M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Left Tilt	0	63	0.034	1.233	0.042	0.105	0.066		38.7		
Head	NR Band n71	35	QPSK	A	0164M	1:1	0.03	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Left Tilt	0	63	0.030	1.253	0.038	0.094	0.059		39.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-117 | Plot A52

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n71	35	QPSK	E	0158M	1:1	-0.09	680.50	136100	DFT-s-OFDM	0.0	25.0	24.10	1	1	Right Cheek	0	0.116	1.230	0.143	0.518	0.324		33.4	30.6	30.6
Head	NR Band n71	35	QPSK	E	0158M	1:1	0.14	680.50	136100	DFT-s-OFDM	0.0	25.0	23.95	90	49	Right Cheek	0	0.121	1.274	0.154	0.560	0.350		33.1		
Head	NR Band n71	35	QPSK	E	0158M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	25.0	24.10	1	1	Right Tilt	0	0.098	1.230	0.121	0.438	0.274		34.1		
Head	NR Band n71	35	QPSK	E	0158M	1:1	0.08	680.50	136100	DFT-s-OFDM	0.0	25.0	23.95	90	49	Right Tilt	0	0.093	1.274	0.118	0.430	0.269		34.2		
Head	NR Band n71	35	QPSK	E	0069M	1:1	0.03	680.50	136100	DFT-s-OFDM	0.0	25.0	24.10	1	1	Left Cheek	0	0.216	1.230	0.266	0.965	0.603	Plot	30.7		
Head	NR Band n71	35	QPSK	E	0069M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	25.0	23.95	90	49	Left Cheek	0	0.215	1.274	0.274	0.994	0.621		30.6		
Head	NR Band n71	35	QPSK	E	0069M	1:1	-0.01	680.50	136100	CP-OFDM	1.5	23.5	22.63	1	1	Left Cheek	0	0.151	1.222	0.185	0.946	0.591		30.8		
Head	NR Band n71	35	QPSK	E	0069M	1:1	0.04	680.50	136100	DFT-s-OFDM	0.0	25.0	24.10	1	1	Left Tilt	0	0.194	1.230	0.239	0.867	0.542		31.2		
Head	NR Band n71	35	QPSK	E	0069M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	25.0	23.95	90	49	Left Tilt	0	0.195	1.274	0.248	0.902	0.564		31.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-118 | Plot A53/A54

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n71	35	QPSK	A+C	0164M	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Back	5	45	0.465	1.233	0.573	0.573	0.358	Plot	27.4	26.8	24.9
Body-worn/Hotspot	NR Band n71	35	QPSK	A+C	0164M	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Back	5	45	0.454	1.253	0.569	0.569	0.356		27.4		
Body-worn/Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.06	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Front	5	10	0.115	1.233	0.142	0.142	0.089		33.4		
Body-worn/Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Front	5	10	0.122	1.253	0.153	0.153	0.096		33.1		
Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	0.07	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Bottom	10	0	0.152	1.233	0.187	0.187	0.117		32.2		
Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	0.06	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Bottom	10	0	0.155	1.253	0.194	0.194	0.121		32.1		
Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.01	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right	10	10	0.483	1.233	0.596	0.596	0.373		27.2		
Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Right	10	10	0.527	1.253	0.660	0.660	0.413	Plot	26.8		
Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.16	680.50	136100	CP-OFDM	1.5	23.5	22.95	1	1	Right	10	10	0.356	1.135	0.404	0.558	0.349		27.4		
Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.08	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Left	10	10	0.094	1.233	0.116	0.116	0.073		34.3		
Hotspot	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Left	10	10	0.097	1.253	0.122	0.122	0.076		34.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-119

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.07	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Back	5	63	0.381	1.233	0.470	0.470	0.294		28.2	28.2	24.9
Body-worn/Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.04	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Back	5	63	0.334	1.253	0.419	0.419	0.262		28.7		
Body-worn/Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.08	680.50	136100	CP-OFDM	1.5	23.5	22.95	1	1	Back	5	63	0.269	1.135	0.305	0.422	0.264		28.6		
Body-worn/Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.04	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Front	5	36	0.098	1.233	0.121	0.121	0.076		34.1		
Body-worn/Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.10	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Front	5	36	0.087	1.253	0.109	0.109	0.068		34.6		
Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.13	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Bottom	10	63	0.093	1.233	0.115	0.115	0.072		34.4		
Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.14	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Bottom	10	63	0.085	1.253	0.107	0.107	0.067		34.7		
Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.07	680.50	136100	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right	10	63	0.273	1.233	0.337	0.337	0.211		29.7		
Hotspot	NR Band n71	35	QPSK	A	0171M	1:1	-0.02	680.50	136100	DFT-s-OFDM	0.0	25.0	24.02	90	49	Right	10	63	0.250	1.253	0.313	0.313	0.196		30.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-120

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	25.0	24.10	1	1	Back	5	0.139	1.230	0.171	0.290	0.181		32.6	30.1	27.3
Body-worn/Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	0.06	680.50	136100	DFT-s-OFDM	0.0	25.0	23.95	90	49	Back	5	0.137	1.274	0.175	0.296	0.185		32.5		
Body-worn/Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	-0.09	680.50	136100	DFT-s-OFDM	0.0	25.0	24.10	1	1	Front	5	0.103	1.230	0.127	0.215	0.134		33.9		
Body-worn/Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	-0.14	680.50	136100	DFT-s-OFDM	0.0	25.0	23.95	90	49	Front	5	0.111	1.274	0.141	0.240	0.150		33.4		
Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	25.0	24.10	1	1	Top	10	0.127	1.230	0.156	0.265	0.166		33.0		
Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	-0.03	680.50	136100	DFT-s-OFDM	0.0	25.0	23.95	90	49	Top	10	0.137	1.274	0.175	0.296	0.185		32.5		
Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	25.0	24.10	1	1	Right	10	0.248	1.230	0.305	0.518	0.324		30.1		
Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	-0.08	680.50	136100	DFT-s-OFDM	0.0	25.0	23.95	90	49	Right	10	0.209	1.274	0.266	0.452	0.283		30.7		
Hotspot	NR Band n71	35	QPSK	E	0171M	1:1	0.02	680.50	136100	CP-OFDM	1.5	23.5	22.63	1	1	Right	10	0.176	1.222	0.215	0.516	0.323		30.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-121 | Plot A55

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n71	35	QPSK	A+C	0164M	1:1	0.01	680.50	136100	DFT-s-OFDM	0.0	19.5	18.52	1	1	Back	0	0	0.775	1.253	0.971	1.068	0.668		19.6	19.1	18.5
Body	NR Band n71	35	QPSK	A+C	0164M	1:1	0.04	680.50	136100	DFT-s-OFDM	0.0	19.5	18.54	90	49	Back	0	0	0.743	1.247	0.927	1.020	0.637		19.8		
Body	NR Band n71	35	QPSK	A+C	0164M	1:1	-0.16	680.50	136100	DFT-s-OFDM	0.0	19.5	18.51	180	0	Back	0	0	0.763	1.256	0.958	1.054	0.659		19.6		
Body	NR Band n71	35	QPSK	A+C	0164M	1:1	0.00	680.50	136100	CP-OFDM	0.0	19.5	18.64	1	1	Back	0	0	0.887	1.219	1.081	1.189	0.744	Plot	19.1		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	0.04	680.50	136100	DFT-s-OFDM	0.0	19.5	18.52	1	1	Top	0	5	0.018	1.253	0.023	0.025	0.015		35.9		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	0.11	680.50	136100	DFT-s-OFDM	0.0	19.5	18.54	90	49	Top	0	5	0.018	1.247	0.022	0.024	0.015		35.9		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	19.5	18.52	1	1	Bottom	0	3	0.459	1.253	0.575	0.633	0.395		21.9		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	0.06	680.50	136100	DFT-s-OFDM	0.0	19.5	18.54	90	49	Bottom	0	3	0.406	1.247	0.506	0.557	0.348		22.4		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.06	680.50	136100	DFT-s-OFDM	0.0	19.5	18.52	1	1	Right	0	108	0.699	1.253	0.876	0.964	0.603		20.0		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	0.02	680.50	136100	DFT-s-OFDM	0.0	19.5	18.54	90	49	Right	0	108	0.555	1.247	0.692	0.761	0.476		21.0		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.04	680.50	136100	DFT-s-OFDM	0.0	19.5	18.51	180	0	Right	0	108	0.550	1.256	0.691	0.760	0.475		21.1		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	0.08	680.50	136100	DFT-s-OFDM	0.0	19.5	18.52	1	1	Left	0	5	0.015	1.253	0.019	0.021	0.013		36.7		
Body	NR Band n71	35	QPSK	A+C	0171M	1:1	-0.08	680.50	136100	DFT-s-OFDM	0.0	19.5	18.54	90	49	Left	0	5	0.016	1.247	0.020	0.022	0.014		36.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-122

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n71	35	QPSK	E	0171M	1:1	0.09	680.50	136100	DFT-s-OFDM	0.0	20.0	19.00	1	1	Back	0	0.743	1.259	0.935	1.029	0.642		20.2	19.7	19.0
Body	NR Band n71	35	QPSK	E	0171M	1:1	-0.08	680.50	136100	DFT-s-OFDM	0.0	20.0	19.10	90	0	Back	0	0.726	1.230	0.893	0.982	0.614		20.4		
Body	NR Band n71	35	QPSK	E	0171M	1:1	-0.02	680.50	136100	DFT-s-OFDM	0.0	20.0	18.93	180	0	Back	0	0.694	1.279	0.888	0.977	0.611		20.5		
Body	NR Band n71	35	QPSK	E	2236M	1:1	0.04	680.50	136100	DFT-s-OFDM	0.0	20.0	19.00	1	1	Top	0	0.841	1.259	1.059	1.165	0.728		19.7		
Body	NR Band n71	35	QPSK	E	0171M	1:1	-0.04	680.50	136100	DFT-s-OFDM	0.0	20.0	19.10	90	0	Top	0	0.862	1.230	1.060	1.166	0.729		19.7		
Body	NR Band n71	35	QPSK	E	0171M	1:1	0.00	680.50	136100	DFT-s-OFDM	0.0	20.0	18.93	180	0	Top	0	0.835	1.279	1.068	1.175	0.735		19.7		
Body	NR Band n71	35	QPSK	E	0171M	1:1	0.04	680.50	136100	CP-OFDM	0.0	20.0	19.15	1	1	Top	0	0.881	1.216	1.071	1.178	0.736		19.7		
Body	NR Band n71	35	QPSK	E	0158R	1:1	0.05	680.50	136100	DFT-s-OFDM	0.0	20.0	19.00	1	1	Bottom	0	0.003	1.259	0.004	0.004	0.003		44.2		
Body	NR Band n71	35	QPSK	E	0158R	1:1	0.07	680.50	136100	DFT-s-OFDM	0.0	20.0	19.10	90	0	Bottom	0	0.003	1.230	0.004	0.004	0.003		44.3		
Body	NR Band n71	35	QPSK	E	0171M	1:1	-0.08	680.50	136100	DFT-s-OFDM	0.0	20.0	19.00	1	1	Right	0	0.691	1.259	0.870	0.957	0.598		20.6		
Body	NR Band n71	35	QPSK	E	0171M	1:1	-0.07	680.50	136100	DFT-s-OFDM	0.0	20.0	19.10	90	0	Right	0	0.652	1.230	0.802	0.882	0.551		20.9		
Body	NR Band n71	35	QPSK	E	0171M	1:1	-0.05	680.50	136100	DFT-s-OFDM	0.0	20.0	18.93	180	0	Right	0	0.628	1.279	0.803	0.883	0.552		20.9		
Body	NR Band n71	35	QPSK	E	0158R	1:1	0.09	680.50	136100	DFT-s-OFDM	0.0	20.0	19.00	1	1	Left	0	0.014	1.259	0.018	0.020	0.012		37.5		
Body	NR Band n71	35	QPSK	E	0158R	1:1	0.19	680.50	136100	DFT-s-OFDM	0.0	20.0	19.10	90	0	Left	0	0.011	1.230	0.014	0.015	0.010		38.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.9 NR Band n12 Standalone SAR

Table 12-123

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.10	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Right Cheek	0	11	0.115	1.253	0.144	0.346	0.216		33.4	32.8	28.8
Head	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.09	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Right Cheek	0	11	0.136	1.194	0.162	0.390	0.244		32.8		
Head	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.19	707.50	141500	CP-OFDM	1.5	23.5	22.66	1	1	Right Cheek	0	11	0.081	1.213	0.098	0.333	0.208		33.5		
Head	NR Band n12	15	QPSK	A+C	0158R	1:1	0.16	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Right Tilt	0	9	0.088	1.253	0.110	0.265	0.166		34.5		
Head	NR Band n12	15	QPSK	A+C	0158R	1:1	0.06	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Right Tilt	0	9	0.092	1.194	0.110	0.263	0.164		34.5		
Head	NR Band n12	15	QPSK	A+C	0171M	1:1	0.03	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Left Cheek	0	11	0.078	1.253	0.098	0.234	0.146		35.0		
Head	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.13	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Left Cheek	0	11	0.086	1.194	0.103	0.246	0.154		34.8		
Head	NR Band n12	15	QPSK	A+C	0171M	1:1	0.06	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Left Tilt	0	11	0.069	1.253	0.086	0.207	0.129		35.6		
Head	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.05	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Left Tilt	0	11	0.073	1.194	0.087	0.209	0.131		35.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-124

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n12	15	QPSK	A	0069M	1:1	0.08	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Right Cheek	0	9	0.057	1.253	0.071	0.171	0.107		36.4	36.3	28.8
Head	NR Band n12	15	QPSK	A	0164M	1:1	0.07	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Right Cheek	0	9	0.057	1.194	0.068	0.163	0.102		36.6		
Head	NR Band n12	15	QPSK	A	0069M	1:1	-0.09	707.50	141500	CP-OFDM	1.5	23.5	22.66	1	1	Right Cheek	0	9	0.043	1.213	0.052	0.177	0.111		36.3		
Head	NR Band n12	15	QPSK	A	0164M	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Right Tilt	0	9	0.037	1.253	0.046	0.111	0.069		38.3		
Head	NR Band n12	15	QPSK	A	0164M	1:1	-0.06	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Right Tilt	0	9	0.039	1.194	0.047	0.112	0.070		38.3		
Head	NR Band n12	15	QPSK	A	0069M	1:1	-0.09	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Left Cheek	0	9	0.045	1.253	0.056	0.135	0.084		37.4		
Head	NR Band n12	15	QPSK	A	0069M	1:1	-0.08	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Left Cheek	0	9	0.044	1.194	0.053	0.126	0.079		37.7		
Head	NR Band n12	15	QPSK	A	0164M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Left Tilt	0	9	0.033	1.253	0.041	0.099	0.062		38.8		
Head	NR Band n12	15	QPSK	A	0164M	1:1	0.08	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Left Tilt	0	9	0.035	1.194	0.042	0.100	0.063		38.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-125 | Plot A56

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n12	15	QPSK	E	0158M	1:1	-0.05	707.50	141500	DFT-s-OFDM	0.0	25.0	23.99	1	1	Right Cheek	0	0.121	1.262	0.153	0.451	0.282		33.1	29.7	29.7
Head	NR Band n12	15	QPSK	E	0158M	1:1	0.10	707.50	141500	DFT-s-OFDM	0.0	25.0	24.12	36	22	Right Cheek	0	0.120	1.225	0.147	0.434	0.271		33.3		
Head	NR Band n12	15	QPSK	E	0158M	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	25.0	23.99	1	1	Right Tilt	0	0.118	1.262	0.149	0.439	0.274		33.2		
Head	NR Band n12	15	QPSK	E	0158M	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	25.0	24.12	36	22	Right Tilt	0	0.119	1.225	0.146	0.430	0.269		33.3		
Head	NR Band n12	15	QPSK	E	0069M	1:1	0.12	707.50	141500	DFT-s-OFDM	0.0	25.0	23.99	1	1	Left Cheek	0	0.246	1.262	0.310	0.916	0.573		30.0		
Head	NR Band n12	15	QPSK	E	0069M	1:1	0.03	707.50	141500	DFT-s-OFDM	0.0	25.0	24.12	36	22	Left Cheek	0	0.272	1.225	0.333	0.983	0.614	Plot	29.7		
Head	NR Band n12	15	QPSK	E	0069M	1:1	0.02	707.50	141500	CP-OFDM	1.5	23.5	22.50	1	1	Left Cheek	0	0.190	1.259	0.239	0.997	0.623		29.7		
Head	NR Band n12	15	QPSK	E	0069M	1:1	-0.11	707.50	141500	DFT-s-OFDM	0.0	25.0	23.99	1	1	Left Tilt	0	0.237	1.262	0.299	0.883	0.552		30.2		
Head	NR Band n12	15	QPSK	E	0069M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	25.0	24.12	36	22	Left Tilt	0	0.253	1.225	0.310	0.914	0.571		30.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Head 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-126 | Plot A57

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n12	15	QPSK	A+C	0164M	1:1	-0.15	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Back	5	10	0.471	1.253	0.590	0.590	0.369		27.2	26.9	24.9
Body-worn/Hotspot	NR Band n12	15	QPSK	A+C	0164M	1:1	-0.08	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Back	5	10	0.533	1.194	0.636	0.636	0.398	Plot	26.9		
Body-worn/Hotspot	NR Band n12	15	QPSK	A+C	0164M	1:1	-0.05	707.50	141500	CP-OFDM	1.5	23.5	22.66	1	1	Back	5	10	0.325	1.213	0.394	0.544	0.340		27.5		
Body-worn/Hotspot	NR Band n12	15	QPSK	A+C	0171M	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Front	5	11	0.127	1.253	0.159	0.159	0.099		32.9		
Body-worn/Hotspot	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Front	5	11	0.142	1.194	0.170	0.170	0.106		32.7		
Hotspot	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.11	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Bottom	10	118	0.150	1.253	0.188	0.188	0.118		32.2		
Hotspot	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Bottom	10	118	0.169	1.194	0.202	0.202	0.126		31.9		
Hotspot	NR Band n12	15	QPSK	A+C	0171M	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Right	10	0	0.403	1.253	0.505	0.505	0.316		27.9		
Hotspot	NR Band n12	15	QPSK	A+C	0171M	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Right	10	0	0.447	1.194	0.534	0.534	0.334		27.7		
Hotspot	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.13	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Left	10	10	0.085	1.253	0.107	0.107	0.067		34.7		
Hotspot	NR Band n12	15	QPSK	A+C	0171M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Left	10	10	0.094	1.194	0.112	0.112	0.070		34.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-127

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n12	15	QPSK	A	1721M	1:1	0.17	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Back	5	9	0.370	1.253	0.464	0.464	0.290		28.3	27.8	24.9
Body-worn/Hotspot	NR Band n12	15	QPSK	A	1806M	1:1	0.03	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Back	5	9	0.430	1.194	0.513	0.513	0.321		27.8		
Body-worn/Hotspot	NR Band n12	15	QPSK	A	1721M	1:1	0.03	707.50	141500	CP-OFDM	1.5	23.5	22.66	1	1	Back	5	9	0.259	1.213	0.314	0.434	0.271		28.5		
Body-worn/Hotspot	NR Band n12	15	QPSK	A	0171M	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Front	5	67	0.088	1.253	0.110	0.110	0.069		34.5		
Body-worn/Hotspot	NR Band n12	15	QPSK	A	0171M	1:1	0.06	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Front	5	67	0.099	1.194	0.118	0.118	0.074		34.2		
Hotspot	NR Band n12	15	QPSK	A	0171M	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Bottom	10	9	0.058	1.253	0.073	0.073	0.046		36.3		
Hotspot	NR Band n12	15	QPSK	A	0171M	1:1	-0.09	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Bottom	10	9	0.065	1.194	0.078	0.078	0.049		36.1		
Hotspot	NR Band n12	15	QPSK	A	0171M	1:1	-0.14	707.50	141500	DFT-s-OFDM	0.0	25.0	24.02	1	1	Right	10	9	0.135	1.253	0.169	0.169	0.106		32.7		
Hotspot	NR Band n12	15	QPSK	A	0171M	1:1	-0.11	707.50	141500	DFT-s-OFDM	0.0	25.0	24.23	36	22	Right	10	9	0.157	1.194	0.187	0.187	0.117		32.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-128

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	-0.14	707.50	141500	DFT-s-OFDM	0.0	25.0	23.99	1	1	Back	5	0.182	1.262	0.230	0.340	0.213		31.3	29.9	26.7
Body-worn/Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	-0.06	707.50	141500	DFT-s-OFDM	0.0	25.0	24.12	36	22	Back	5	0.203	1.225	0.249	0.368	0.230		31.0		
Body-worn/Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	0.08	707.50	141500	CP-OFDM	1.5	23.5	22.50	1	1	Back	5	0.178	1.259	0.224	0.468	0.293		29.9		
Body-worn/Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	25.0	23.99	1	1	Front	5	0.125	1.262	0.158	0.233	0.146		33.0		
Body-worn/Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	-0.11	707.50	141500	DFT-s-OFDM	0.0	25.0	24.12	36	22	Front	5	0.149	1.225	0.183	0.270	0.169		32.3		
Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	0.00	707.50	141500	DFT-s-OFDM	0.0	25.0	23.99	1	1	Top	10	0.131	1.262	0.165	0.244	0.153		32.8		
Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	-0.05	707.50	141500	DFT-s-OFDM	0.0	25.0	24.12	36	22	Top	10	0.148	1.225	0.181	0.268	0.168		32.4		
Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	25.0	23.99	1	1	Right	10	0.180	1.262	0.227	0.336	0.210		31.4		
Hotspot	NR Band n12	15	QPSK	E	0171M	1:1	-0.01	707.50	141500	DFT-s-OFDM	0.0	25.0	24.12	36	22	Right	10	0.201	1.225	0.246	0.364	0.228		31.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-129 | Plot A58

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n12	15	QPSK	A+C	0164M	1:1	0.10	707.50	141500	DFT-s-OFDM	0.0	19.5	18.58	1	40	Back	0	9	0.810	1.236	1.001	1.101	0.689		19.4	19.3	18.5
Body	NR Band n12	15	QPSK	A+C	0164M	1:1	0.19	707.50	141500	DFT-s-OFDM	0.0	19.5	18.62	36	22	Back	0	9	0.829	1.225	1.016	1.118	0.699		19.4		
Body	NR Band n12	15	QPSK	A+C	0164M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	19.5	18.56	75	0	Back	0	9	0.827	1.242	1.027	1.130	0.706		19.3		
Body	NR Band n12	15	QPSK	A+C	0164M	1:1	0.14	707.50	141500	CP-OFDM	0.0	19.5	18.68	1	1	Back	0	9	0.859	1.208	1.038	1.142	0.714	Plot	19.3		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	0.04	707.50	141500	DFT-s-OFDM	0.0	19.5	18.58	1	40	Top	0	4	0.015	1.236	0.019	0.021	0.013		36.8		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	0.20	707.50	141500	DFT-s-OFDM	0.0	19.5	18.62	36	22	Top	0	4	0.014	1.225	0.017	0.019	0.012		37.1		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	19.5	18.58	1	40	Bottom	0	10	0.389	1.236	0.481	0.529	0.331		22.6		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	19.5	18.62	36	22	Bottom	0	10	0.422	1.225	0.517	0.569	0.355		22.3		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	19.5	18.58	1	40	Right	0	36	0.672	1.236	0.831	0.914	0.571		20.3		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.04	707.50	141500	DFT-s-OFDM	0.0	19.5	18.62	36	22	Right	0	36	0.714	1.225	0.875	0.963	0.602		20.0		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.06	707.50	141500	DFT-s-OFDM	0.0	19.5	18.56	75	0	Right	0	36	0.698	1.242	0.867	0.954	0.596		20.1		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	0.09	707.50	141500	DFT-s-OFDM	0.0	19.5	18.58	1	40	Left	0	4	0.019	1.236	0.023	0.025	0.015		35.7		
Body	NR Band n12	15	QPSK	A+C	0171M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	19.5	18.62	36	22	Left	0	4	0.020	1.225	0.025	0.028	0.018		35.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-130

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n12	15	QPSK	E	0171M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	20.0	18.85	1	1	Back	0	0.699	1.303	0.911	1.002	0.626		20.4	19.9	19.0
Body	NR Band n12	15	QPSK	E	0171M	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	20.0	18.86	36	22	Back	0	0.777	1.300	1.010	1.111	0.694		19.9		
Body	NR Band n12	15	QPSK	E	0171M	1:1	0.05	707.50	141500	DFT-s-OFDM	0.0	20.0	18.84	75	0	Back	0	0.770	1.306	1.006	1.107	0.692		19.9		
Body	NR Band n12	15	QPSK	E	0171M	1:1	-0.11	707.50	141500	CP-OFDM	0.0	20.0	18.81	1	1	Back	0	0.696	1.315	0.915	1.007	0.629		20.3		
Body	NR Band n12	15	QPSK	E	0171M	1:1	-0.17	707.50	141500	DFT-s-OFDM	0.0	20.0	18.85	1	1	Top	0	0.626	1.303	0.816	0.898	0.561		20.8		
Body	NR Band n12	15	QPSK	E	0171M	1:1	0.01	707.50	141500	DFT-s-OFDM	0.0	20.0	18.86	36	22	Top	0	0.714	1.300	0.928	1.021	0.638		20.3		
Body	NR Band n12	15	QPSK	E	0171M	1:1	-0.15	707.50	141500	DFT-s-OFDM	0.0	20.0	18.84	75	0	Top	0	0.668	1.306	0.872	0.959	0.600		20.5		
Body	NR Band n12	15	QPSK	E	0158R	1:1	0.05	707.50	141500	DFT-s-OFDM	0.0	20.0	18.85	1	1	Bottom	0	0.006	1.303	0.008	0.009	0.006		41.0		
Body	NR Band n12	15	QPSK	E	0158R	1:1	-0.19	707.50	141500	DFT-s-OFDM	0.0	20.0	18.86	36	22	Bottom	0	0.006	1.300	0.008	0.009	0.006		41.0		
Body	NR Band n12	15	QPSK	E	0171M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	20.0	18.85	1	1	Right	0	0.727	1.303	0.947	1.042	0.651		20.2		
Body	NR Band n12	15	QPSK	E	0171M	1:1	-0.03	707.50	141500	DFT-s-OFDM	0.0	20.0	18.86	36	22	Right	0	0.713	1.300	0.927	1.020	0.637		20.3		
Body	NR Band n12	15	QPSK	E	0171M	1:1	-0.02	707.50	141500	DFT-s-OFDM	0.0	20.0	18.84	75	0	Right	0	0.693	1.306	0.905	0.996	0.623		20.4		
Body	NR Band n12	15	QPSK	E	0158R	1:1	0.02	707.50	141500	DFT-s-OFDM	0.0	20.0	18.85	1	1	Left	0	0.012	1.303	0.016	0.018	0.011		38.0		
Body	NR Band n12	15	QPSK	E	0158R	1:1	0.16	707.50	141500	DFT-s-OFDM	0.0	20.0	18.86	36	22	Left	0	0.011	1.300	0.014	0.015	0.010		38.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Body 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.10 NR Band n14 Standalone SAR

Table 12-131

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n14	10	QPSK	A+C	0158R	1:1	0.20	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Right Cheek	0	10	0.187	1.125	0.210	0.505	0.316		31.7	31.5	28.8
Head	NR Band n14	10	QPSK	A+C	0158R	1:1	-0.08	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Right Cheek	0	10	0.180	1.159	0.209	0.500	0.313		31.8		
Head	NR Band n14	10	QPSK	A+C	0158R	1:1	-0.15	793.00	158600	CP-OFDM	1.5	23.5	23.06	1	1	Right Cheek	0	10	0.142	1.107	0.157	0.533	0.333		31.5		
Head	NR Band n14	10	QPSK	A+C	0158R	1:1	-0.04	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Right Tilt	0	10	0.091	1.125	0.102	0.246	0.154		34.8		
Head	NR Band n14	10	QPSK	A+C	0158R	1:1	0.06	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Right Tilt	0	10	0.080	1.159	0.093	0.222	0.139		35.3		
Head	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.01	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Left Cheek	0	0	0.079	1.125	0.089	0.213	0.133		35.5		
Head	NR Band n14	10	QPSK	A+C	0171M	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Left Cheek	0	0	0.064	1.159	0.074	0.178	0.111		36.2		
Head	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.07	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Left Tilt	0	0	0.060	1.125	0.068	0.162	0.101		36.7		
Head	NR Band n14	10	QPSK	A+C	0171M	1:1	0.16	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Left Tilt	0	0	0.052	1.159	0.060	0.145	0.091		37.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-132

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n14	10	QPSK	A	0069M	1:1	0.11	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Right Cheek	0	0	0.087	1.125	0.098	0.235	0.147		35.0	35.0	28.8
Head	NR Band n14	10	QPSK	A	0069M	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Right Cheek	0	0	0.076	1.159	0.088	0.211	0.132		35.5		
Head	NR Band n14	10	QPSK	A	0069M	1:1	0.00	793.00	158600	CP-OFDM	1.5	23.5	23.06	1	1	Right Cheek	0	0	0.063	1.107	0.070	0.236	0.148		35.0		
Head	NR Band n14	10	QPSK	A	0164M	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Right Tilt	0	63	0.045	1.125	0.051	0.121	0.076		37.9		
Head	NR Band n14	10	QPSK	A	0164M	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Right Tilt	0	63	0.036	1.159	0.042	0.100	0.063		38.7		
Head	NR Band n14	10	QPSK	A	0069M	1:1	-0.10	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Left Cheek	0	0	0.062	1.125	0.070	0.167	0.104		36.5		
Head	NR Band n14	10	QPSK	A	0069M	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Left Cheek	0	0	0.050	1.159	0.058	0.139	0.087		37.3		
Head	NR Band n14	10	QPSK	A	0164M	1:1	-0.11	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Left Tilt	0	63	0.034	1.125	0.038	0.092	0.058		39.1		
Head	NR Band n14	10	QPSK	A	0164M	1:1	-0.07	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Left Tilt	0	63	0.031	1.159	0.036	0.086	0.054		39.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-133 | Plot A59

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n14	10	QPSK	E	0158M	1:1	0.06	793.00	158600	DFT-s-OFDM	0.0	25.0	24.15	1	1	Right Cheek	0	0.160	1.216	0.195	0.407	0.254		32.1	28.2	28.2
Head	NR Band n14	10	QPSK	E	0158M	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.23	25	14	Right Cheek	0	0.160	1.194	0.191	0.399	0.249		32.1		
Head	NR Band n14	10	QPSK	E	0158M	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	25.0	24.15	1	1	Right Tilt	0	0.156	1.216	0.190	0.396	0.248		32.2		
Head	NR Band n14	10	QPSK	E	0158M	1:1	-0.16	793.00	158600	DFT-s-OFDM	0.0	25.0	24.23	25	14	Right Tilt	0	0.157	1.194	0.187	0.392	0.245		32.2		
Head	NR Band n14	10	QPSK	E	0069M	1:1	0.04	793.00	158600	DFT-s-OFDM	0.0	25.0	24.15	1	1	Left Cheek	0	0.391	1.216	0.475	0.994	0.621	Plot	28.2		
Head	NR Band n14	10	QPSK	E	0069M	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	25.0	24.23	25	14	Left Cheek	0	0.350	1.194	0.418	0.873	0.546		28.7		
Head	NR Band n14	10	QPSK	E	0069M	1:1	-0.16	793.00	158600	CP-OFDM	1.5	23.5	22.80	1	1	Left Cheek	0	0.286	1.175	0.336	0.992	0.620		28.2		
Head	NR Band n14	10	QPSK	E	0069M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.15	1	1	Left Tilt	0	0.276	1.216	0.336	0.701	0.438		29.7		
Head	NR Band n14	10	QPSK	E	0069M	1:1	0.05	793.00	158600	DFT-s-OFDM	0.0	25.0	24.23	25	14	Left Tilt	0	0.257	1.194	0.307	0.641	0.401		30.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-134 | Plot A60

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n14	10	QPSK	A+C	0071M	1:1	0.11	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Back	5	108	0.513	1.125	0.577	0.577	0.361		27.3	27.1	24.9
Body-worn/Hotspot	NR Band n14	10	QPSK	A+C	0071M	1:1	0.03	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Back	5	108	0.530	1.159	0.614	0.614	0.384	Plot	27.1		
Body-worn/Hotspot	NR Band n14	10	QPSK	A+C	0071M	1:1	-0.01	793.00	158600	CP-OFDM	1.5	23.5	23.06	1	1	Back	5	108	0.371	1.107	0.411	0.567	0.354		27.3		
Body-worn/Hotspot	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Front	5	0	0.132	1.125	0.149	0.149	0.093		33.2		
Body-worn/Hotspot	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.04	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Front	5	0	0.129	1.159	0.150	0.150	0.094		33.2		
Hotspot	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.12	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Bottom	10	0	0.124	1.125	0.140	0.140	0.088		33.5		
Hotspot	NR Band n14	10	QPSK	A+C	0171M	1:1	0.09	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Bottom	10	0	0.121	1.159	0.140	0.140	0.088		33.5		
Hotspot	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.05	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Right	10	0	0.410	1.125	0.461	0.461	0.288		28.3		
Hotspot	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.05	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Right	10	0	0.393	1.159	0.455	0.455	0.284		28.4		
Hotspot	NR Band n14	10	QPSK	A+C	0171M	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Left	10	0	0.080	1.125	0.090	0.090	0.056		35.4		
Hotspot	NR Band n14	10	QPSK	A+C	0171M	1:1	0.17	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Left	10	0	0.083	1.159	0.096	0.096	0.060		35.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-135

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n14	10	QPSK	A	1721M	1:1	0.15	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Back	5	63	0.485	1.125	0.546	0.546	0.341		27.6	27.5	24.9
Body-worn/Hotspot	NR Band n14	10	QPSK	A	1721M	1:1	0.05	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Back	5	63	0.478	1.159	0.554	0.554	0.346		27.5		
Body-worn/Hotspot	NR Band n14	10	QPSK	A	1721M	1:1	0.00	793.00	158600	CP-OFDM	1.5	23.5	23.06	1	1	Back	5	63	0.333	1.107	0.369	0.509	0.318		27.8		
Body-worn/Hotspot	NR Band n14	10	QPSK	A	0171M	1:1	0.06	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Front	5	63	0.145	1.125	0.163	0.163	0.102		32.8		
Body-worn/Hotspot	NR Band n14	10	QPSK	A	0171M	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Front	5	63	0.147	1.159	0.170	0.170	0.106		32.6		
Hotspot	NR Band n14	10	QPSK	A	0171M	1:1	0.12	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Bottom	10	63	0.090	1.125	0.101	0.101	0.063		34.9		
Hotspot	NR Band n14	10	QPSK	A	0171M	1:1	-0.15	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Bottom	10	63	0.086	1.159	0.100	0.100	0.063		35.0		
Hotspot	NR Band n14	10	QPSK	A	0171M	1:1	-0.08	793.00	158600	DFT-s-OFDM	0.0	25.0	24.49	1	1	Right	10	63	0.202	1.125	0.227	0.227	0.142		31.4		
Hotspot	NR Band n14	10	QPSK	A	0171M	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.36	25	14	Right	10	63	0.181	1.159	0.210	0.210	0.131		31.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-136

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	0.03	793.00	158600	DFT-s-OFDM	0.0	25.0	24.15	1	1	Back	5	0.132	1.216	0.161	0.335	0.209		32.9	31.6	28.2
Body-worn/Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	-0.16	793.00	158600	DFT-s-OFDM	0.0	25.0	24.23	25	14	Back	5	0.139	1.194	0.166	0.347	0.217		32.7		
Body-worn/Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	25.0	24.15	1	1	Front	5	0.179	1.216	0.218	0.455	0.284		31.6		
Body-worn/Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	0.04	793.00	158600	DFT-s-OFDM	0.0	25.0	24.23	25	14	Front	5	0.168	1.194	0.201	0.419	0.262		31.9		
Body-worn/Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	-0.13	793.00	158600	CP-OFDM	1.5	23.5	22.80	1	1	Front	5	0.116	1.175	0.136	0.402	0.251		32.1		
Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.15	1	1	Top	10	0.162	1.216	0.197	0.412	0.258		32.0		
Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	-0.07	793.00	158600	DFT-s-OFDM	0.0	25.0	24.23	25	14	Top	10	0.163	1.194	0.195	0.407	0.254		32.1		
Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	0.03	793.00	158600	DFT-s-OFDM	0.0	25.0	24.15	1	1	Right	10	0.152	1.216	0.185	0.386	0.241		32.3		
Hotspot	NR Band n14	10	QPSK	E	0171M	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	25.0	24.23	25	14	Right	10	0.152	1.194	0.181	0.379	0.237		32.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-137

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n14	10	QPSK	A+C	2236M	1:1	-0.16	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	1	1	Back	0	37	0.826	1.156	0.955	1.051	0.657		19.7	19.7	18.5
Body	NR Band n14	10	QPSK	A+C	0071M	1:1	-0.09	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	25	14	Back	0	37	0.820	1.156	0.948	1.043	0.652		19.7		
Body	NR Band n14	10	QPSK	A+C	0071M	1:1	-0.11	793.00	158600	DFT-s-OFDM	0.0	19.5	18.74	50	0	Back	0	37	0.796	1.191	0.948	1.043	0.652		19.7		
Body	NR Band n14	10	QPSK	A+C	0071M	1:1	-0.13	793.00	158600	CP-OFDM	0.0	19.5	18.89	1	1	Back	0	37	0.823	1.151	0.947	1.042	0.651		19.7		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	0.03	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	1	1	Top	0	120	0.023	1.156	0.027	0.030	0.019		35.2		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	0.04	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	25	14	Top	0	120	0.024	1.156	0.028	0.031	0.020		35.0		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.04	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	1	1	Bottom	0	0	0.296	1.156	0.342	0.376	0.235		24.1		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.07	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	25	14	Bottom	0	0	0.309	1.156	0.357	0.393	0.245		23.9		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.02	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	1	1	Right	0	108	0.752	1.156	0.869	0.956	0.597		20.1		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	25	14	Right	0	108	0.736	1.156	0.851	0.936	0.585		20.2		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	0.01	793.00	158600	DFT-s-OFDM	0.0	19.5	18.74	50	0	Right	0	108	0.732	1.191	0.872	0.959	0.600		20.0		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	0.03	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	1	1	Left	0	119	0.022	1.156	0.025	0.028	0.018		35.4		
Body	NR Band n14	10	QPSK	A+C	0171M	1:1	-0.12	793.00	158600	DFT-s-OFDM	0.0	19.5	18.87	25	14	Left	0	119	0.018	1.156	0.021	0.023	0.014		36.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-138 | Plot A61

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n14	10	QPSK	E	0171M	1:1	-0.11	793.00	158600	DFT-s-OFDM	0.0	20.0	19.07	1	50	Back	0	0.691	1.239	0.856	0.942	0.589		20.6	19.7	19.0
Body	NR Band n14	10	QPSK	E	0171M	1:1	0.13	793.00	158600	DFT-s-OFDM	0.0	20.0	19.00	25	14	Back	0	0.678	1.259	0.854	0.939	0.587		20.6		
Body	NR Band n14	10	QPSK	E	0171M	1:1	0.02	793.00	158600	DFT-s-OFDM	0.0	20.0	18.97	50	0	Back	0	0.702	1.268	0.890	0.979	0.612		20.5		
Body	NR Band n14	10	QPSK	E	0171M	1:1	-0.09	793.00	158600	DFT-s-OFDM	0.0	20.0	19.07	1	50	Top	0	0.770	1.239	0.954	1.049	0.656		20.2		
Body	NR Band n14	10	QPSK	E	0171M	1:1	0.08	793.00	158600	DFT-s-OFDM	0.0	20.0	19.00	25	14	Top	0	0.841	1.259	1.059	1.165	0.728	Plot	19.7		
Body	NR Band n14	10	QPSK	E	0171M	1:1	-0.05	793.00	158600	DFT-s-OFDM	0.0	20.0	18.97	50	0	Top	0	0.785	1.268	0.995	1.095	0.684		20.0		
Body	NR Band n14	10	QPSK	E	0171M	1:1	-0.05	793.00	158600	CP-OFDM	0.0	20.0	19.06	1	1	Top	0	0.700	1.242	0.869	0.956	0.597		20.6		
Body	NR Band n14	10	QPSK	E	0158R	1:1	-0.15	793.00	158600	DFT-s-OFDM	0.0	20.0	19.07	1	50	Bottom	0	0.005	1.239	0.006	0.007	0.004		42.0		
Body	NR Band n14	10	QPSK	E	0158R	1:1	0.09	793.00	158600	DFT-s-OFDM	0.0	20.0	19.00	25	14	Bottom	0	0.004	1.259	0.005	0.006	0.003		42.9		
Body	NR Band n14	10	QPSK	E	0171M	1:1	-0.05	793.00	158600	DFT-s-OFDM	0.0	20.0	19.07	1	50	Right	0	0.477	1.239	0.591	0.650	0.406		22.2		
Body	NR Band n14	10	QPSK	E	0171M	1:1	0.00	793.00	158600	DFT-s-OFDM	0.0	20.0	19.00	25	14	Right	0	0.493	1.259	0.621	0.683	0.427		22.0		
Body	NR Band n14	10	QPSK	E	0158R	1:1	-0.10	793.00	158600	DFT-s-OFDM	0.0	20.0	19.07	1	50	Left	0	0.013	1.239	0.016	0.018	0.011		37.9		
Body	NR Band n14	10	QPSK	E	0158R	1:1	0.03	793.00	158600	DFT-s-OFDM	0.0	20.0	19.00	25	14	Left	0	0.012	1.259	0.015	0.017	0.010		38.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

12.11 NR Band n26 Standalone SAR

Table 12-139

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Right Cheek	0	0	0.120	1.164	0.140	0.403	0.252		33.5	33.2	29.6
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Right Cheek	0	0	0.130	1.156	0.150	0.433	0.271		33.2		
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	0.04	831.50	166300	CP-OFDM	1.5	23.5	22.91	1	1	Right Cheek	0	0	0.089	1.146	0.102	0.415	0.259		33.4		
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Right Tilt	0	0	0.055	1.164	0.064	0.185	0.116		36.9		
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	0.05	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Right Tilt	0	0	0.060	1.156	0.069	0.200	0.125		36.5		
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	-0.14	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Left Cheek	0	10	0.079	1.164	0.092	0.265	0.166		35.3		
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	0.16	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Left Cheek	0	10	0.085	1.156	0.098	0.283	0.177		35.0		
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	0.04	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Left Tilt	0	36	0.064	1.164	0.074	0.215	0.134		36.2		
Head	NR Band n26	20	QPSK	A+C	0174M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Left Tilt	0	36	0.063	1.156	0.073	0.210	0.131		36.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-140

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n26	20	QPSK	A	0174M	1:1	0.09	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Right Cheek	0	65	0.049	1.164	0.057	0.164	0.103		37.4	36.7	29.6
Head	NR Band n26	20	QPSK	A	0174M	1:1	-0.05	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Right Cheek	0	65	0.058	1.156	0.067	0.193	0.121		36.7		
Head	NR Band n26	20	QPSK	A	0174M	1:1	-0.09	831.50	166300	CP-OFDM	1.5	23.5	22.91	1	1	Right Cheek	0	64	0.041	1.146	0.047	0.191	0.119		36.7		
Head	NR Band n26	20	QPSK	A	0174M	1:1	-0.14	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Right Tilt	0	64	0.025	1.164	0.029	0.084	0.053		40.3		
Head	NR Band n26	20	QPSK	A	0174M	1:1	-0.07	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Right Tilt	0	64	0.027	1.156	0.031	0.090	0.056		40.0		
Head	NR Band n26	20	QPSK	A	0174M	1:1	0.08	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Left Cheek	0	100	0.038	1.164	0.044	0.128	0.080		38.5		
Head	NR Band n26	20	QPSK	A	0174M	1:1	-0.14	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Left Cheek	0	100	0.043	1.156	0.050	0.143	0.089		38.0		
Head	NR Band n26	20	QPSK	A	0174M	1:1	0.05	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Left Tilt	0	64	0.030	1.164	0.035	0.101	0.063		39.5		
Head	NR Band n26	20	QPSK	A	0174M	1:1	0.12	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Left Tilt	0	64	0.030	1.156	0.035	0.100	0.063		39.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-141 | Plot A62

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n26	20	QPSK	E	0164M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	25.0	24.11	1	1	Right Cheek	0	0.132	1.227	0.162	0.536	0.335		32.9	30.2	30.2
Head	NR Band n26	20	QPSK	E	0164M	1:1	0.04	831.50	166300	DFT-s-OFDM	0.0	25.0	24.16	50	28	Right Cheek	0	0.137	1.213	0.166	0.550	0.344		32.7		
Head	NR Band n26	20	QPSK	E	0164M	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.11	1	1	Right Tilt	0	0.102	1.227	0.125	0.415	0.259		34.0		
Head	NR Band n26	20	QPSK	E	0164M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	25.0	24.16	50	28	Right Tilt	0	0.109	1.213	0.132	0.438	0.274		33.7		
Head	NR Band n26	20	QPSK	E	0174M	1:1	0.05	831.50	166300	DFT-s-OFDM	0.0	25.0	24.11	1	1	Left Cheek	0	0.225	1.227	0.276	0.914	0.571		30.5		
Head	NR Band n26	20	QPSK	E	0174M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	25.0	24.16	50	28	Left Cheek	0	0.244	1.213	0.296	0.980	0.613	Plot	30.2		
Head	NR Band n26	20	QPSK	E	1074M	1:1	0.01	831.50	166300	CP-OFDM	1.5	23.5	22.67	1	1	Left Cheek	0	0.162	1.211	0.196	0.917	0.573		30.5		
Head	NR Band n26	20	QPSK	E	0174M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	25.0	24.11	1	1	Left Tilt	0	0.186	1.227	0.228	0.756	0.473		31.4		
Head	NR Band n26	20	QPSK	E	0174M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	25.0	24.16	50	28	Left Tilt	0	0.210	1.213	0.255	0.844	0.528		30.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-142 | Plot A63

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n26	20	QPSK	A+C	0073M	1:1	-0.09	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Back	5	0	0.649	1.164	0.755	0.888	0.555	Plot	26.2	26.2	25.7
Body-worn/Hotspot	NR Band n26	20	QPSK	A+C	0073M	1:1	-0.03	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Back	5	0	0.648	1.156	0.749	0.880	0.550		26.2		
Body-worn/Hotspot	NR Band n26	20	QPSK	A+C	0073M	1:1	0.03	831.50	166300	CP-OFDM	1.5	23.5	22.91	1	1	Back	5	0	0.459	1.146	0.526	0.873	0.546		26.2		
Body-worn/Hotspot	NR Band n26	20	QPSK	A+C	0067M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Front	5	0	0.131	1.164	0.152	0.179	0.112		33.1		
Body-worn/Hotspot	NR Band n26	20	QPSK	A+C	0067M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Front	5	0	0.135	1.156	0.156	0.183	0.114		33.0		
Hotspot	NR Band n26	20	QPSK	A+C	0067M	1:1	-0.04	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Bottom	10	108	0.106	1.164	0.123	0.145	0.091		34.0		
Hotspot	NR Band n26	20	QPSK	A+C	0067M	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Bottom	10	108	0.108	1.156	0.125	0.147	0.092		34.0		
Hotspot	NR Band n26	20	QPSK	A+C	0067M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Right	10	0	0.208	1.164	0.242	0.285	0.178		31.1		
Hotspot	NR Band n26	20	QPSK	A+C	0067M	1:1	0.03	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Right	10	0	0.217	1.156	0.251	0.295	0.184		31.0		
Hotspot	NR Band n26	20	QPSK	A+C	0067M	1:1	-0.11	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Left	10	0	0.072	1.164	0.084	0.098	0.061		35.7		
Hotspot	NR Band n26	20	QPSK	A+C	0067M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Left	10	0	0.075	1.156	0.087	0.102	0.064		35.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-143

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n26	20	QPSK	A	1774M	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Back	5	64	0.555	1.164	0.646	0.759	0.474		26.8	26.8	25.7
Body-worn/Hotspot	NR Band n26	20	QPSK	A	1774M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Back	5	64	0.559	1.156	0.646	0.759	0.474		26.8		
Body-worn/Hotspot	NR Band n26	20	QPSK	A	1774M	1:1	-0.03	831.50	166300	CP-OFDM	1.5	23.5	22.91	1	1	Back	5	64	0.369	1.146	0.423	0.701	0.438		27.2		
Body-worn/Hotspot	NR Band n26	20	QPSK	A	0174M	1:1	-0.07	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Front	5	9	0.126	1.164	0.147	0.172	0.108		33.3		
Body-worn/Hotspot	NR Band n26	20	QPSK	A	0174M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Front	5	9	0.131	1.156	0.151	0.178	0.111		33.1		
Hotspot	NR Band n26	20	QPSK	A	0174M	1:1	-0.03	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Bottom	10	27	0.071	1.164	0.083	0.097	0.061		35.8		
Hotspot	NR Band n26	20	QPSK	A	0174M	1:1	0.09	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Bottom	10	27	0.071	1.156	0.082	0.096	0.060		35.8		
Hotspot	NR Band n26	20	QPSK	A	0174M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.34	1	53	Right	10	65	0.076	1.164	0.088	0.104	0.065		35.5		
Hotspot	NR Band n26	20	QPSK	A	0174M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.37	50	28	Right	10	65	0.077	1.156	0.089	0.105	0.066		35.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-144

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	0.04	831.50	166300	DFT-s-OFDM	0.0	25.0	24.11	1	1	Back	5	0.443	1.227	0.544	0.902	0.564		27.6	27.2	27.2
Body-worn/Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	-0.06	831.50	166300	DFT-s-OFDM	0.0	25.0	24.16	50	28	Back	5	0.495	1.213	0.600	0.997	0.623		27.2		
Body-worn/Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	0.04	831.50	166300	CP-OFDM	1.5	23.5	22.67	1	1	Back	5	0.325	1.211	0.394	0.922	0.576		27.5		
Body-worn/Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	25.0	24.11	1	1	Front	5	0.096	1.227	0.118	0.196	0.123		34.2		
Body-worn/Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	-0.03	831.50	166300	DFT-s-OFDM	0.0	25.0	24.16	50	28	Front	5	0.107	1.213	0.130	0.215	0.134		33.8		
Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	-0.04	831.50	166300	DFT-s-OFDM	0.0	25.0	24.11	1	1	Top	10	0.129	1.227	0.158	0.263	0.164		33.0		
Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	-0.04	831.50	166300	DFT-s-OFDM	0.0	25.0	24.16	50	28	Top	10	0.138	1.213	0.167	0.278	0.174		32.7		
Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.11	1	1	Right	10	0.154	1.227	0.189	0.314	0.196		32.2		
Hotspot	NR Band n26	20	QPSK	E	0174M	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	25.0	24.16	50	28	Right	10	0.151	1.213	0.183	0.304	0.190		32.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-145

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n26	20	QPSK	A+C	0067M	1:1	0.19	831.50	166300	DFT-s-OFDM	0.0	19.0	18.30	1	53	Back	0	45	0.676	1.175	0.794	0.873	0.546		20.0	19.7	18.0
Body	NR Band n26	20	QPSK	A+C	0067M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	19.0	18.24	50	28	Back	0	45	0.668	1.191	0.796	0.876	0.548		19.9		
Body	NR Band n26	20	QPSK	A+C	0067M	1:1	-0.12	831.50	166300	DFT-s-OFDM	0.0	19.0	18.30	1	53	Top	0	22	0.018	1.175	0.021	0.023	0.014		35.7		
Body	NR Band n26	20	QPSK	A+C	0067M	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	19.0	18.24	50	28	Top	0	22	0.018	1.191	0.021	0.023	0.014		35.6		
Body	NR Band n26	20	QPSK	A+C	0174M	1:1	0.07	831.50	166300	DFT-s-OFDM	0.0	19.0	18.30	1	53	Bottom	0	9	0.441	1.175	0.518	0.570	0.356		21.8		
Body	NR Band n26	20	QPSK	A+C	0174M	1:1	-0.05	831.50	166300	DFT-s-OFDM	0.0	19.0	18.24	50	28	Bottom	0	9	0.414	1.191	0.493	0.542	0.339		22.0		
Body	NR Band n26	20	QPSK	A+C	0174M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	19.0	18.30	1	53	Right	0	108	0.667	1.175	0.784	0.862	0.539		20.0		
Body	NR Band n26	20	QPSK	A+C	0174M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	19.0	18.24	50	28	Right	0	108	0.712	1.191	0.848	0.933	0.583		19.7		
Body	NR Band n26	20	QPSK	A+C	0174M	1:1	0.05	831.50	166300	DFT-s-OFDM	0.0	19.0	18.20	100	0	Right	0	108	0.705	1.202	0.847	0.932	0.582		19.7		
Body	NR Band n26	20	QPSK	A+C	0174M	1:1	0.16	831.50	166300	CP-OFDM	0.0	19.0	18.26	1	1	Right	0	108	0.684	1.186	0.811	0.892	0.558		19.9		
Body	NR Band n26	20	QPSK	A+C	0067M	1:1	-0.14	831.50	166300	DFT-s-OFDM	0.0	19.0	18.30	1	53	Left	0	10	0.022	1.175	0.026	0.029	0.018		34.8		
Body	NR Band n26	20	QPSK	A+C	0067M	1:1	0.03	831.50	166300	DFT-s-OFDM	0.0	19.0	18.24	50	28	Left	0	10	0.024	1.191	0.029	0.032	0.020		34.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-146 | Plot A64

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n26	20	QPSK	E	0174M	1:1	-0.18	831.50	166300	DFT-s-OFDM	0.0	21.0	20.13	1	1	Back	0	0.676	1.222	0.826	0.909	0.568		21.8	20.3	20.0
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.01	831.50	166300	DFT-s-OFDM	0.0	21.0	20.05	50	0	Back	0	0.733	1.245	0.913	1.004	0.628		21.3		
Body	NR Band n26	20	QPSK	E	0174M	1:1	-0.01	831.50	166300	DFT-s-OFDM	0.0	21.0	20.01	100	0	Back	0	0.754	1.256	0.947	1.042	0.651		21.2		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.00	831.50	166300	DFT-s-OFDM	0.0	21.0	20.13	1	1	Top	0	0.778	1.222	0.951	1.046	0.653		21.2		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.05	831.50	166300	DFT-s-OFDM	0.0	21.0	20.05	50	0	Top	0	0.777	1.245	0.967	1.064	0.664		21.1		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.02	831.50	166300	DFT-s-OFDM	0.0	21.0	20.01	100	0	Top	0	0.786	1.256	0.987	1.086	0.679		21.0		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.05	831.50	166300	CP-OFDM	0.0	21.0	20.01	1	1	Top	0	0.924	1.256	1.161	1.277	0.799	Plot	20.3		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.08	831.50	166300	DFT-s-OFDM	0.0	21.0	20.13	1	1	Bottom	0	0.015	1.222	0.018	0.020	0.012		38.3		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.03	831.50	166300	DFT-s-OFDM	0.0	21.0	20.05	50	0	Bottom	0	0.017	1.245	0.021	0.023	0.014		37.7		
Body	NR Band n26	20	QPSK	E	0174M	1:1	-0.02	831.50	166300	DFT-s-OFDM	0.0	21.0	20.13	1	1	Right	0	0.476	1.222	0.582	0.640	0.400		23.3		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.03	831.50	166300	DFT-s-OFDM	0.0	21.0	20.05	50	0	Right	0	0.495	1.245	0.616	0.678	0.424		23.1		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.06	831.50	166300	DFT-s-OFDM	0.0	21.0	20.13	1	1	Left	0	0.028	1.222	0.034	0.037	0.023		35.6		
Body	NR Band n26	20	QPSK	E	0174M	1:1	0.12	831.50	166300	DFT-s-OFDM	0.0	21.0	20.05	50	0	Left	0	0.031	1.245	0.039	0.043	0.026		35.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.1 NR Band n5 Standalone SAR

Table 12-147

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	-0.19	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Right Cheek	0	0	0.139	1.148	0.160	0.357	0.223		32.9	32.6	28.5
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Right Cheek	0	0	0.129	1.161	0.150	0.335	0.209		33.2		
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	-0.21	836.50	167300	CP-OFDM	1.5	23.5	22.99	1	1	Right Cheek	0	0	0.109	1.125	0.123	0.388	0.243		32.6		
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	0.18	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Right Tilt	0	0	0.068	1.148	0.078	0.175	0.109		36.0		
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Right Tilt	0	0	0.064	1.161	0.074	0.166	0.104		36.2		
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	-0.11	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Left Cheek	0	0	0.096	1.148	0.110	0.247	0.154		34.5		
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Left Cheek	0	0	0.089	1.161	0.103	0.231	0.144		34.8		
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Left Tilt	0	0	0.059	1.148	0.068	0.152	0.095		36.6		
Head	NR Band n5	20	QPSK	A+C	0174M	1:1	0.01	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Left Tilt	0	0	0.066	1.161	0.077	0.172	0.108		36.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-148

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n5	20	QPSK	A	0174M	1:1	-0.16	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Right Cheek	0	45	0.061	1.148	0.070	0.157	0.098		36.5	36.5	28.5
Head	NR Band n5	20	QPSK	A	0174M	1:1	-0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Right Cheek	0	45	0.057	1.161	0.066	0.148	0.093		36.7		
Head	NR Band n5	20	QPSK	A	0174M	1:1	0.03	836.50	167300	CP-OFDM	1.5	23.5	22.99	1	1	Right Cheek	0	45	0.041	1.125	0.046	0.146	0.091		36.8		
Head	NR Band n5	20	QPSK	A	0174M	1:1	0.13	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Right Tilt	0	45	0.025	1.148	0.029	0.064	0.040		40.4		
Head	NR Band n5	20	QPSK	A	0174M	1:1	0.18	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Right Tilt	0	45	0.025	1.161	0.029	0.065	0.041		40.3		
Head	NR Band n5	20	QPSK	A	0174M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Left Cheek	0	100	0.047	1.148	0.054	0.121	0.076		37.6		
Head	NR Band n5	20	QPSK	A	0174M	1:1	-0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Left Cheek	0	100	0.042	1.161	0.049	0.109	0.068		38.1		
Head	NR Band n5	20	QPSK	A	0174M	1:1	0.08	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Left Tilt	0	64	0.027	1.148	0.031	0.069	0.043		40.0		
Head	NR Band n5	20	QPSK	A	0174M	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Left Tilt	0	64	0.030	1.161	0.035	0.078	0.049		39.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-149 | Plot A65

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n5	20	QPSK	E	0164M	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right Cheek	0	0.131	1.233	0.162	0.547	0.342		32.9	30.3	30.3
Head	NR Band n5	20	QPSK	E	0164M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.26	50	28	Right Cheek	0	0.137	1.186	0.162	0.550	0.344		32.8		
Head	NR Band n5	20	QPSK	E	0164M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right Tilt	0	0.104	1.233	0.128	0.435	0.272		33.9		
Head	NR Band n5	20	QPSK	E	0164M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.26	50	28	Right Tilt	0	0.112	1.186	0.133	0.450	0.281		33.7		
Head	NR Band n5	20	QPSK	E	0174M	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	25.0	24.09	1	1	Left Cheek	0	0.239	1.233	0.295	0.999	0.624		30.3		
Head	NR Band n5	20	QPSK	E	0174M	1:1	0.01	836.50	167300	DFT-s-OFDM	0.0	25.0	24.26	50	28	Left Cheek	0	0.242	1.186	0.287	0.972	0.608	Plot	30.4		
Head	NR Band n5	20	QPSK	E	0174M	1:1	0.03	836.50	167300	CP-OFDM	1.5	23.5	22.84	1	1	Left Cheek	0	0.170	1.164	0.198	0.947	0.592		30.5		
Head	NR Band n5	20	QPSK	E	0174M	1:1	0.08	836.50	167300	DFT-s-OFDM	0.0	25.0	24.09	1	1	Left Tilt	0	0.196	1.233	0.242	0.819	0.512		31.1		
Head	NR Band n5	20	QPSK	E	0174M	1:1	0.05	836.50	167300	DFT-s-OFDM	0.0	25.0	24.26	50	28	Left Tilt	0	0.204	1.186	0.242	0.820	0.513		31.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-150 | Plot A66

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n5	20	QPSK	A+C	0073M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Back	5	0	0.651	1.148	0.747	0.898	0.561	Plot	26.2	26.2	25.8
Body-worn/Hotspot	NR Band n5	20	QPSK	A+C	0073M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Back	5	0	0.632	1.161	0.734	0.882	0.551		26.3		
Body-worn/Hotspot	NR Band n5	20	QPSK	A+C	0073M	1:1	-0.02	836.50	167300	CP-OFDM	1.5	23.5	22.99	1	1	Back	5	0	0.462	1.125	0.520	0.882	0.551		26.3		
Body-worn/Hotspot	NR Band n5	20	QPSK	A+C	0067M	1:1	0.10	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Front	5	0	0.135	1.148	0.155	0.186	0.116		33.0		
Body-worn/Hotspot	NR Band n5	20	QPSK	A+C	0067M	1:1	-0.08	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Front	5	0	0.139	1.161	0.161	0.194	0.121		32.9		
Hotspot	NR Band n5	20	QPSK	A+C	0067M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Bottom	10	0	0.114	1.148	0.131	0.157	0.098		33.8		
Hotspot	NR Band n5	20	QPSK	A+C	0067M	1:1	0.05	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Bottom	10	0	0.118	1.161	0.137	0.165	0.103		33.6		
Hotspot	NR Band n5	20	QPSK	A+C	0067M	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Right	10	1	0.226	1.148	0.259	0.312	0.195		30.8		
Hotspot	NR Band n5	20	QPSK	A+C	0067M	1:1	0.01	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Right	10	1	0.208	1.161	0.241	0.290	0.181		31.1		
Hotspot	NR Band n5	20	QPSK	A+C	0067M	1:1	-0.01	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Left	10	0	0.079	1.148	0.091	0.109	0.068		35.4		
Hotspot	NR Band n5	20	QPSK	A+C	0067M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Left	10	0	0.069	1.161	0.080	0.096	0.060		35.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-151

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n5	20	QPSK	A	1774M	1:1	0.04	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Back	5	64	0.530	1.148	0.608	0.731	0.457		27.1	26.8	25.8
Body-worn/Hotspot	NR Band n5	20	QPSK	A	1774M	1:1	-0.01	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Back	5	64	0.557	1.161	0.647	0.778	0.486		26.8		
Body-worn/Hotspot	NR Band n5	20	QPSK	A	1774M	1:1	-0.04	836.50	167300	CP-OFDM	1.5	23.5	22.99	1	1	Back	5	64	0.387	1.125	0.435	0.739	0.462		27.1		
Body-worn/Hotspot	NR Band n5	20	QPSK	A	0174M	1:1	0.06	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Front	5	9	0.124	1.148	0.142	0.171	0.107		33.4		
Body-worn/Hotspot	NR Band n5	20	QPSK	A	0174M	1:1	0.10	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Front	5	9	0.129	1.161	0.150	0.180	0.113		33.2		
Hotspot	NR Band n5	20	QPSK	A	0174M	1:1	0.08	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Bottom	10	65	0.067	1.148	0.077	0.092	0.058		36.1		
Hotspot	NR Band n5	20	QPSK	A	0174M	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Bottom	10	65	0.072	1.161	0.084	0.101	0.063		35.7		
Hotspot	NR Band n5	20	QPSK	A	0174M	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	25.0	24.40	1	1	Right	10	65	0.078	1.148	0.090	0.108	0.068		35.4		
Hotspot	NR Band n5	20	QPSK	A	0174M	1:1	-0.01	836.50	167300	DFT-s-OFDM	0.0	25.0	24.35	50	28	Right	10	65	0.078	1.161	0.091	0.109	0.068		35.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-152

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	25.0	24.09	1	1	Back	5	0.490	1.233	0.604	0.957	0.598		27.1	27.0	27.0
Body-worn/Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	0.05	836.50	167300	DFT-s-OFDM	0.0	25.0	24.26	50	28	Back	5	0.525	1.186	0.623	0.986	0.616		27.0		
Body-worn/Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	-0.04	836.50	167300	CP-OFDM	1.5	23.5	22.84	1	1	Back	5	0.337	1.164	0.392	0.878	0.549		27.5		
Body-worn/Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	25.0	24.09	1	1	Front	5	0.105	1.233	0.129	0.205	0.128		33.8		
Body-worn/Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	-0.01	836.50	167300	DFT-s-OFDM	0.0	25.0	24.26	50	28	Front	5	0.110	1.186	0.130	0.207	0.129		33.8		
Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	0.07	836.50	167300	DFT-s-OFDM	0.0	25.0	24.09	1	1	Top	10	0.131	1.233	0.162	0.256	0.160		32.9		
Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	0.05	836.50	167300	DFT-s-OFDM	0.0	25.0	24.26	50	28	Top	10	0.136	1.186	0.161	0.256	0.160		32.9		
Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	25.0	24.09	1	1	Right	10	0.156	1.233	0.192	0.305	0.191		32.1		
Hotspot	NR Band n5	20	QPSK	E	0174M	1:1	-0.05	836.50	167300	DFT-s-OFDM	0.0	25.0	24.26	50	28	Right	10	0.157	1.186	0.186	0.295	0.184		32.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-153

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Tune state	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n5	20	QPSK	A+C	0067M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	19.0	18.50	1	1	Back	0	45	0.709	1.122	0.795	0.875	0.547		19.9	19.7	18.0
Body	NR Band n5	20	QPSK	A+C	0067M	1:1	0.06	836.50	167300	DFT-s-OFDM	0.0	19.0	18.38	50	0	Back	0	45	0.680	1.153	0.784	0.862	0.539		20.0		
Body	NR Band n5	20	QPSK	A+C	0067M	1:1	-0.17	836.50	167300	DFT-s-OFDM	0.0	19.0	18.50	1	1	Top	0	10	0.019	1.122	0.021	0.023	0.014		35.7		
Body	NR Band n5	20	QPSK	A+C	0067M	1:1	0.08	836.50	167300	DFT-s-OFDM	0.0	19.0	18.38	50	0	Top	0	10	0.017	1.153	0.020	0.022	0.014		36.0		
Body	NR Band n5	20	QPSK	A+C	0174M	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	19.0	18.50	1	1	Bottom	0	9	0.409	1.122	0.459	0.505	0.316		22.3		
Body	NR Band n5	20	QPSK	A+C	0174M	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	19.0	18.38	50	0	Bottom	0	9	0.411	1.153	0.474	0.521	0.326		22.2		
Body	NR Band n5	20	QPSK	A+C	0174M	1:1	0.00	836.50	167300	DFT-s-OFDM	0.0	19.0	18.50	1	1	Right	0	108	0.690	1.122	0.774	0.851	0.532		20.1		
Body	NR Band n5	20	QPSK	A+C	0174M	1:1	0.03	836.50	167300	DFT-s-OFDM	0.0	19.0	18.38	50	0	Right	0	108	0.716	1.153	0.826	0.909	0.568		19.8		
Body	NR Band n5	20	QPSK	A+C	0174M	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	19.0	18.34	100	0	Right	0	108	0.728	1.164	0.847	0.932	0.582		19.7		
Body	NR Band n5	20	QPSK	A+C	0174M	1:1	-0.15	836.50	167300	CP-OFDM	0.0	19.0	18.39	1	1	Right	0	108	0.697	1.151	0.802	0.882	0.551		19.9		
Body	NR Band n5	20	QPSK	A+C	0067M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	19.0	18.50	1	1	Left	0	9	0.020	1.122	0.022	0.024	0.015		35.4		
Body	NR Band n5	20	QPSK	A+C	0067M	1:1	0.07	836.50	167300	DFT-s-OFDM	0.0	19.0	18.38	50	0	Left	0	9	0.023	1.153	0.027	0.030	0.019		34.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-154 | Plot A67

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.18	836.50	167300	DFT-s-OFDM	0.0	21.0	19.99	1	1	Back	0	0.688	1.262	0.868	0.950	0.597		21.6	20.1	20.0
Body	NR Band n5	20	QPSK	E	0174M	1:1	0.10	836.50	167300	DFT-s-OFDM	0.0	21.0	19.98	50	28	Back	0	0.701	1.265	0.887	0.980	0.609		21.5		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.09	836.50	167300	DFT-s-OFDM	0.0	21.0	19.97	100	0	Back	0	0.726	1.268	0.921	1.010	0.634		21.3		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.10	836.50	167300	DFT-s-OFDM	0.0	21.0	19.99	1	1	Top	0	0.886	1.262	1.118	1.230	0.769		20.5		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	21.0	19.98	50	28	Top	0	0.872	1.265	1.103	1.210	0.758		20.5		
Body	NR Band n5	20	QPSK	E	0174M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	21.0	19.97	100	0	Top	0	0.882	1.268	1.118	1.230	0.769		20.5		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.02	836.50	167300	CP-OFDM	0.0	21.0	20.09	1	1	Top	0	0.976	1.233	1.203	1.320	0.827	Plot	20.1		
Body	NR Band n5	20	QPSK	E	0164M	1:1	-0.08	836.50	167300	CP-OFDM	0.0	21.0	20.09	1	1	Top	0	0.862	1.233	1.063	1.170	0.730		20.7		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.17	836.50	167300	DFT-s-OFDM	0.0	21.0	19.99	1	1	Bottom	0	0.017	1.262	0.021	0.020	0.014		37.6		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.07	836.50	167300	DFT-s-OFDM	0.0	21.0	19.98	50	28	Bottom	0	0.017	1.265	0.022	0.020	0.015		37.6		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	21.0	19.99	1	1	Right	0	0.487	1.262	0.615	0.680	0.422		23.1		
Body	NR Band n5	20	QPSK	E	0174M	1:1	0.02	836.50	167300	DFT-s-OFDM	0.0	21.0	19.98	50	28	Right	0	0.497	1.265	0.629	0.690	0.432		23.0		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.03	836.50	167300	DFT-s-OFDM	0.0	21.0	19.99	1	1	Left	0	0.034	1.262	0.043	0.050	0.030		34.6		
Body	NR Band n5	20	QPSK	E	0174M	1:1	-0.02	836.50	167300	DFT-s-OFDM	0.0	21.0	19.98	50	28	Left	0	0.033	1.265	0.042	0.050	0.029		34.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Blue entry represents variability measurement

12.2 NR Band n70 Standalone SAR

Table 12-155

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	24.5	23.27	1	1	Right Cheek	0	0.083	1.327	0.110	0.365	0.228		34.0	33.3	29.7
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	24.5	23.28	36	22	Right Cheek	0	0.099	1.324	0.131	0.434	0.271		33.3		
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.06	1702.50	340500	CP-OFDM	1.5	23.0	21.59	1	1	Right Cheek	0	0.036	1.384	0.050	0.233	0.146		36.0		
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.06	1702.50	340500	DFT-s-OFDM	0.0	24.5	23.27	1	1	Right Tilt	0	0.060	1.327	0.080	0.264	0.165		35.4		
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	24.5	23.28	36	22	Right Tilt	0	0.063	1.324	0.083	0.276	0.173		35.2		
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	24.5	23.27	1	1	Left Cheek	0	0.054	1.327	0.072	0.237	0.148		35.9		
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	24.5	23.28	36	22	Left Cheek	0	0.056	1.324	0.074	0.246	0.154		35.7		
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.03	1702.50	340500	DFT-s-OFDM	0.0	24.5	23.27	1	1	Left Tilt	0	0.045	1.327	0.060	0.198	0.124		36.7		
Head	NR Band n70	15	QPSK	B	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	24.5	23.28	36	22	Left Tilt	0	0.046	1.324	0.061	0.202	0.126		36.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-156 | Plot A68

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n70	15	QPSK	G	0073M	1:1	-0.07	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.79	1	77	Right Cheek	0	0.403	1.321	0.532	0.585	0.366		22.7	19.3	19.0
Head	NR Band n70	15	QPSK	G	0073M	1:1	-0.10	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.77	36	43	Right Cheek	0	0.439	1.327	0.583	0.641	0.400		22.3		
Head	NR Band n70	15	QPSK	G	0073M	1:1	-0.04	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.79	1	77	Right Tilt	0	0.626	1.321	0.827	0.910	0.569		20.8		
Head	NR Band n70	15	QPSK	G	0073M	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.77	36	43	Right Tilt	0	0.647	1.327	0.859	0.945	0.591		20.6		
Head	NR Band n70	15	QPSK	G	0073M	1:1	-0.04	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.74	75	0	Right Tilt	0	0.670	1.327	0.896	0.986	0.616		20.4		
Head	NR Band n70	15	QPSK	G	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.79	1	77	Left Cheek	0	0.600	1.321	0.793	0.872	0.546		21.0		
Head	NR Band n70	15	QPSK	G	0073M	1:1	0.07	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.77	36	43	Left Cheek	0	0.607	1.327	0.805	0.886	0.553		20.9		
Head	NR Band n70	15	QPSK	G	0073M	1:1	0.06	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.74	75	0	Left Cheek	0	0.618	1.337	0.826	0.909	0.568		20.8		
Head	NR Band n70	15	QPSK	G	0073M	1:1	0.21	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.79	1	77	Left Tilt	0	0.807	1.321	1.066	1.173	0.733		19.7		
Head	NR Band n70	15	QPSK	G	0073M	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.77	36	43	Left Tilt	0	0.821	1.327	1.089	1.198	0.749		19.6		
Head	NR Band n70	15	QPSK	G	0073M	1:1	0.21	1702.50	340500	DFT-s-OFDM	0.0	20.0	18.74	75	0	Left Tilt	0	0.835	1.337	1.116	1.228	0.768		19.5		
Head	NR Band n70	15	QPSK	G	0073M	1:1	0.04	1702.50	340500	CP-OFDM	0.0	20.0	18.80	1	1	Left Tilt	0	0.878	1.318	1.157	1.273	0.795	Plot	19.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-157 | Plot A69

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n70	15	QPSK	B	1806M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.40	1	40	Back	5	1.070	1.023	1.095	1.205	0.752	Plot	20.1	20.1	19.5
Body-worn/Hotspot	NR Band n70	15	QPSK	B	1806M	1:1	0.00	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.41	36	0	Back	5	1.030	1.021	1.052	1.157	0.724		20.2		
Body-worn/Hotspot	NR Band n70	15	QPSK	B	1806M	1:1	-0.04	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.39	75	0	Back	5	1.060	1.026	1.088	1.197	0.748		20.1		
Body-worn/Hotspot	NR Band n70	15	QPSK	B	1806M	1:1	0.03	1702.50	340500	CP-OFDM	0.0	20.5	20.30	1	1	Back	5	1.040	1.047	1.089	1.198	0.749		20.1		
Body-worn/Hotspot	NR Band n70	15	QPSK	B	1851M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.40	1	40	Front	5	0.098	1.023	0.100	0.110	0.069		30.4		
Body-worn/Hotspot	NR Band n70	15	QPSK	B	1851M	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.41	36	0	Front	5	0.095	1.021	0.097	0.107	0.067		30.6		
Hotspot	NR Band n70	15	QPSK	B	1851M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.40	1	40	Bottom	10	0.163	1.023	0.167	0.184	0.114		28.2		
Hotspot	NR Band n70	15	QPSK	B	1851M	1:1	-0.04	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.41	36	0	Bottom	10	0.164	1.021	0.167	0.184	0.114		28.2		
Hotspot	NR Band n70	15	QPSK	B	1851M	1:1	-0.13	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.40	1	40	Left	10	0.028	1.023	0.029	0.032	0.020		35.9		
Hotspot	NR Band n70	15	QPSK	B	1851M	1:1	0.15	1702.50	340500	DFT-s-OFDM	0.0	20.5	20.41	36	0	Left	10	0.027	1.021	0.028	0.031	0.020		36.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-158

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n70	15	QPSK	G	0073M	1:1	-0.08	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.75	1	77	Back	5	0.838	1.334	1.118	1.230	0.769		17.5	17.2	17.0
Body-worn/Hotspot	NR Band n70	15	QPSK	G	0073M	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.71	36	22	Back	5	0.838	1.346	1.128	1.241	0.776		17.4		
Body-worn/Hotspot	NR Band n70	15	QPSK	G	0073M	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.70	75	0	Back	5	0.862	1.349	1.163	1.279	0.800		17.3		
Body-worn/Hotspot	NR Band n70	15	QPSK	G	0073M	1:1	0.09	1702.50	340500	CP-OFDM	0.0	18.0	16.80	1	1	Back	5	0.902	1.318	1.189	1.308	0.817		17.2		
Body-worn/Hotspot	NR Band n70	15	QPSK	G	1851M	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.75	1	77	Front	5	0.073	1.334	0.097	0.107	0.067		28.1		
Body-worn/Hotspot	NR Band n70	15	QPSK	G	1851M	1:1	-0.01	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.71	36	22	Front	5	0.075	1.346	0.101	0.111	0.069		27.9		
Hotspot	NR Band n70	15	QPSK	G	1851M	1:1	-0.05	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.75	1	77	Top	10	0.338	1.334	0.451	0.496	0.310		21.4		
Hotspot	NR Band n70	15	QPSK	G	1851M	1:1	-0.05	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.71	36	22	Top	10	0.334	1.346	0.450	0.495	0.309		21.4		
Hotspot	NR Band n70	15	QPSK	G	1851M	1:1	-0.07	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.75	1	77	Right	10	0.025	1.334	0.033	0.036	0.023		32.7		
Hotspot	NR Band n70	15	QPSK	G	1851M	1:1	-0.09	1702.50	340500	DFT-s-OFDM	0.0	18.0	16.71	36	22	Right	10	0.026	1.346	0.035	0.039	0.024		32.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-159 | Plot A70

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n70	15	QPSK	B	1806M	1:1	-0.07	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.95	1	40	Back	0	0.726	1.274	0.925	1.018	0.636		13.3	13.0	12.0
Body	NR Band n70	15	QPSK	B	1806M	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.88	36	22	Back	0	0.739	1.294	0.956	1.052	0.658		13.1		
Body	NR Band n70	15	QPSK	B	1806M	1:1	-0.03	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.84	75	0	Back	0	0.742	1.306	0.969	1.066	0.667		13.1		
Body	NR Band n70	15	QPSK	B	1806M	1:1	-0.18	1702.50	340500	CP-OFDM	0.0	13.0	11.83	1	1	Back	0	0.754	1.309	0.987	1.086	0.679	Plot	13.0		
Body	NR Band n70	15	QPSK	B	0073M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.95	1	40	Top	0	0.004	1.274	0.005	0.006	0.003		35.9		
Body	NR Band n70	15	QPSK	B	0073M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.88	36	22	Top	0	0.000	1.294	0.000	0.000	0.000		51.8		
Body	NR Band n70	15	QPSK	B	0073M	1:1	-0.13	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.95	1	40	Bottom	0	0.693	1.274	0.883	0.971	0.607		13.5		
Body	NR Band n70	15	QPSK	B	0073M	1:1	-0.05	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.88	36	22	Bottom	0	0.705	1.294	0.912	1.003	0.627		13.3		
Body	NR Band n70	15	QPSK	B	0073M	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.84	75	0	Bottom	0	0.713	1.306	0.931	1.024	0.640		13.3		
Body	NR Band n70	15	QPSK	B	0073M	1:1	0.03	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.95	1	40	Right	0	0.008	1.274	0.010	0.011	0.007		32.9		
Body	NR Band n70	15	QPSK	B	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.88	36	22	Right	0	0.009	1.294	0.012	0.013	0.009		32.3		
Body	NR Band n70	15	QPSK	B	0073M	1:1	0.08	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.95	1	40	Left	0	0.013	1.274	0.017	0.019	0.012		30.8		
Body	NR Band n70	15	QPSK	B	0073M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	13.0	11.88	36	22	Left	0	0.013	1.294	0.017	0.019	0.012		30.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-160

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.58	1	77	Back	10	0.666	1.387	0.924	1.016	0.636		22.3	22.2	21.0
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.52	36	43	Back	10	0.668	1.406	0.939	1.033	0.646		22.2		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.39	75	0	Back	10	0.655	1.449	0.949	1.044	0.652		22.2		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.58	1	77	Top	13	0.413	1.387	0.573	0.630	0.394		24.4		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.02	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.52	36	43	Top	13	0.412	1.406	0.579	0.637	0.398		24.3		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.58	1	77	Bottom	0	0.016	1.387	0.022	0.024	0.015		38.5		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.08	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.52	36	43	Bottom	0	0.016	1.406	0.022	0.024	0.015		38.4		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.58	1	77	Right	0	0.328	1.387	0.455	0.501	0.312		25.4		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.05	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.52	36	43	Right	0	0.334	1.406	0.470	0.517	0.323		25.2		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.58	1	77	Left	0	0.084	1.387	0.117	0.129	0.080		31.3		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	22.0	20.52	36	43	Left	0	0.087	1.406	0.122	0.134	0.084		31.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-161

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.09	1702.50	340500	DFT-s-OFDM	0.0	12.0	10.55	1	77	Back	0	0.643	1.396	0.898	0.988	0.617		12.4	11.8	11.0
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.04	1702.50	340500	DFT-s-OFDM	0.0	12.0	10.45	36	22	Back	0	0.633	1.429	0.905	0.996	0.623		12.4		
Body	NR Band n70	15	QPSK	G	0073M	1:1	0.01	1702.50	340500	DFT-s-OFDM	0.0	12.0	10.38	75	0	Back	0	0.636	1.452	0.923	1.015	0.635		12.3		
Body	NR Band n70	15	QPSK	G	0073M	1:1	-0.06	1702.50	340500	DFT-s-OFDM	0.0	12.0	10.55	1	77	Top	0	0.700	1.396	0.977	1.075	0.672		12.0		
Body	NR Band n70	15	QPSK	G	0073M	1:1	-0.14	1702.50	340500	DFT-s-OFDM	0.0	12.0	10.45	36	22	Top	0	0.688	1.429	0.983	1.081	0.675		12.0		
Body	NR Band n70	15	QPSK	G	0073M	1:1	-0.06	1702.50	340500	DFT-s-OFDM	0.0	12.0	10.38	75	0	Top	0	0.680	1.452	0.987	1.086	0.679		12.0		
Body	NR Band n70	15	QPSK	G	0073M	1:1	-0.12	1702.50	340500	CP-OFDM	0.0	12.0	10.40	1	1	Top	0	0.720	1.445	1.040	1.144	0.715		11.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.3 NR Band n66 Standalone SAR

Table 12-162

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	25.0	24.23	1	240	Right Cheek	0	0.098	1.194	0.117	0.488	0.305		34.3	33.8	31.2
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	25.0	24.26	120	61	Right Cheek	0	0.109	1.186	0.129	0.539	0.337		33.8		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.01	1745.00	349000	CP-OFDM	1.5	23.5	21.93	1	1	Right Cheek	0	0.051	1.435	0.073	0.431	0.269		34.8		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	25.0	24.23	1	240	Right Tilt	0	0.059	1.194	0.070	0.294	0.184		36.5		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	25.0	24.26	120	61	Right Tilt	0	0.065	1.186	0.077	0.321	0.201		36.1		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	25.0	24.23	1	240	Left Cheek	0	0.043	1.194	0.051	0.214	0.134		37.8		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	25.0	24.26	120	61	Left Cheek	0	0.038	1.186	0.045	0.188	0.118		38.4		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	25.0	24.23	1	240	Left Tilt	0	0.032	1.194	0.038	0.159	0.099		39.1		
Head	NR Band n66	45	QPSK	B	0073M	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	25.0	24.26	120	61	Left Tilt	0	0.031	1.186	0.037	0.153	0.096		39.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-163 | Plot A71

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n66	45	QPSK	G	0073M	1:1	-0.06	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.71	1	1	Right Cheek	0	0.517	1.199	0.620	0.682	0.427		22.5	19.7	19.5
Head	NR Band n66	45	QPSK	G	0073M	1:1	-0.16	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.74	120	0	Right Cheek	0	0.490	1.191	0.584	0.642	0.402		22.8		
Head	NR Band n66	45	QPSK	G	0073M	1:1	-0.07	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.71	1	1	Right Tilt	0	0.737	1.199	0.884	0.972	0.608		21.0		
Head	NR Band n66	45	QPSK	G	0073M	1:1	-0.06	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.74	120	0	Right Tilt	0	0.742	1.191	0.884	0.972	0.608		21.0		
Head	NR Band n66	45	QPSK	G	0073M	1:1	-0.08	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.70	240	0	Right Tilt	0	0.717	1.202	0.862	0.948	0.593		21.1		
Head	NR Band n66	45	QPSK	G	0073M	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.71	1	1	Left Cheek	0	0.651	1.199	0.781	0.859	0.537		21.5		
Head	NR Band n66	45	QPSK	G	0073M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.74	120	0	Left Cheek	0	0.631	1.191	0.752	0.827	0.517		21.7		
Head	NR Band n66	45	QPSK	G	0073M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.71	1	1	Left Tilt	0	0.989	1.199	1.186	1.305	0.815	Plot	19.7		
Head	NR Band n66	45	QPSK	G	0073M	1:1	0.04	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.74	120	0	Left Tilt	0	0.962	1.191	1.146	1.261	0.788		19.9		
Head	NR Band n66	45	QPSK	G	0073M	1:1	0.08	1745.00	349000	DFT-s-OFDM	0.0	20.5	19.70	240	0	Left Tilt	0	0.955	1.202	1.148	1.263	0.790		19.8		
Head	NR Band n66	45	QPSK	G	0073M	1:1	0.02	1745.00	349000	CP-OFDM	0.0	20.5	19.45	1	1	Left Tilt	0	0.787	1.274	1.003	1.103	0.690		20.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-164

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n66	45	QPSK	B	0073M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	19.0	18.16	1	240	Back	5	0.607	1.213	0.736	0.810	0.506		20.3	20.2	18.0
Body-worn/Hotspot	NR Band n66	45	QPSK	B	0073M	1:1	0.09	1745.00	349000	DFT-s-OFDM	0.0	19.0	18.16	120	122	Back	5	0.625	1.213	0.758	0.834	0.521		20.2		
Body-worn/Hotspot	NR Band n66	45	QPSK	B	0073M	1:1	0.02	1745.00	349000	CP-OFDM	0.0	19.0	17.73	1	1	Back	5	0.520	1.340	0.697	0.767	0.480		20.5		
Body-worn/Hotspot	NR Band n66	45	QPSK	B	1851M	1:1	0.04	1745.00	349000	DFT-s-OFDM	0.0	19.0	18.16	1	240	Front	5	0.104	1.213	0.126	0.139	0.087		27.9		
Body-worn/Hotspot	NR Band n66	45	QPSK	B	1851M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	19.0	18.16	120	122	Front	5	0.105	1.213	0.127	0.140	0.087		27.9		
Hotspot	NR Band n66	45	QPSK	B	1851M	1:1	-0.03	1745.00	349000	DFT-s-OFDM	0.0	19.0	18.16	1	240	Bottom	10	0.166	1.213	0.201	0.221	0.139		25.9		
Hotspot	NR Band n66	45	QPSK	B	1851M	1:1	-0.04	1745.00	349000	DFT-s-OFDM	0.0	19.0	18.16	120	122	Bottom	10	0.162	1.213	0.197	0.217	0.135		26.0		
Hotspot	NR Band n66	45	QPSK	B	1851M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	19.0	18.16	1	240	Left	10	0.024	1.213	0.029	0.032	0.020		34.3		
Hotspot	NR Band n66	45	QPSK	B	1851M	1:1	0.13	1745.00	349000	DFT-s-OFDM	0.0	19.0	18.16	120	122	Left	10	0.026	1.213	0.032	0.035	0.022		34.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-165 | Plot A72

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.00	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.29	1	240	Back	5	0.727	1.178	0.856	0.942	0.589		18.6	18.2	17.0
Body-worn/Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.29	120	122	Back	5	0.684	1.178	0.806	0.887	0.554		18.9		
Body-worn/Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.16	240	0	Back	5	0.718	1.213	0.871	0.958	0.598		18.5		
Body-worn/Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.05	1745.00	349000	CP-OFDM	0.0	18.0	17.06	1	1	Back	5	0.769	1.242	0.955	1.051	0.657	Plot	18.2		
Body-worn/Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	-0.09	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.29	1	240	Front	5	0.211	1.178	0.249	0.274	0.172		24.0		
Body-worn/Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.29	120	122	Front	5	0.220	1.178	0.259	0.285	0.178		23.8		
Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.09	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.29	1	240	Top	10	0.101	1.178	0.119	0.131	0.081		27.2		
Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.29	120	122	Top	10	0.095	1.178	0.112	0.123	0.077		27.5		
Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.29	1	240	Right	10	0.048	1.178	0.057	0.063	0.040		30.4		
Hotspot	NR Band n66	45	QPSK	G	0073M	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	18.0	17.29	120	122	Right	10	0.044	1.178	0.052	0.057	0.036		30.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-166 | Plot A73

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.50	1	240	Back	0	0.675	1.122	0.757	0.833	0.520		14.2	13.6	12.0
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.53	120	122	Back	0	0.696	1.114	0.778	0.856	0.535		14.0		
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.03	1745.00	349000	CP-OFDM	0.0	13.0	12.22	1	1	Back	0	0.716	1.197	0.857	0.943	0.590	Plot	13.6		
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.50	1	240	Top	0	0.000	1.122	0.000	0.000	0.000		52.5		
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.53	120	122	Top	0	0.000	1.114	0.000	0.000	0.000		52.5		
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.05	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.50	1	240	Bottom	0	0.397	1.122	0.445	0.490	0.306		16.5		
Body	NR Band n66	45	QPSK	B	0073M	1:1	-0.14	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.53	120	122	Bottom	0	0.391	1.114	0.436	0.480	0.300		16.6		
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.04	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.50	1	240	Right	0	0.003	1.122	0.003	0.003	0.002		37.7		
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.53	120	122	Right	0	0.002	1.114	0.002	0.002	0.001		39.5		
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.50	1	240	Left	0	0.001	1.122	0.001	0.001	0.001		42.5		
Body	NR Band n66	45	QPSK	B	0073M	1:1	0.08	1745.00	349000	DFT-s-OFDM	0.0	13.0	12.53	120	122	Left	0	0.001	1.114	0.001	0.001	0.001		42.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-167

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.03	1	1	Back	10	0.156	1.250	0.195	0.215	0.134		29.0	23.6	21.0
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.08	120	61	Back	10	0.201	1.236	0.248	0.273	0.171		28.0		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.03	1	1	Top	13	0.075	1.250	0.094	0.103	0.065		32.2		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.09	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.08	120	61	Top	13	0.114	1.236	0.141	0.155	0.097		30.5		
Body	NR Band n66	45	QPSK	G	0073M	1:1	-0.13	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.03	1	1	Bottom	0	0.017	1.250	0.021	0.023	0.014		38.7		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.08	120	61	Bottom	0	0.018	1.236	0.022	0.024	0.015		38.5		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.01	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.03	1	1	Right	0	0.541	1.250	0.676	0.744	0.465		23.6		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.06	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.08	120	61	Right	0	0.557	1.236	0.688	0.757	0.473		23.6		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.09	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.03	1	1	Left	0	0.008	1.250	0.010	0.011	0.007		41.9		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.07	1745.00	349000	DFT-s-OFDM	0.0	22.0	21.08	120	61	Left	0	0.019	1.236	0.023	0.025	0.015		38.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-168

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	12.0	10.75	1	240	Back	0	0.380	1.334	0.507	0.558	0.349		14.9	13.5	11.0
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.02	1745.00	349000	DFT-s-OFDM	0.0	12.0	10.88	120	122	Back	0	0.364	1.294	0.471	0.518	0.323		15.2		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.03	1745.00	349000	DFT-s-OFDM	0.0	12.0	10.75	1	240	Top	0	0.519	1.334	0.692	0.761	0.476		13.5		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.04	1745.00	349000	DFT-s-OFDM	0.0	12.0	10.88	120	122	Top	0	0.485	1.294	0.628	0.691	0.432		14.0		
Body	NR Band n66	45	QPSK	G	0073M	1:1	0.03	1745.00	349000	CP-OFDM	0.0	12.0	10.81	1	1	Top	0	0.406	1.315	0.534	0.587	0.367		14.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.4 NR Band n25 Standalone SAR

Table 12-169

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.09	1882.50	376500	DFT-s-OFDM	0.0	25.0	24.03	1	108	Right Cheek	0	0.091	1.250	0.114	0.321	0.201		34.4	32.6	29.5
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	25.0	23.92	108	54	Right Cheek	0	0.093	1.282	0.119	0.336	0.210		34.2		
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.03	1882.50	376500	CP-OFDM	1.5	23.5	21.90	1	1	Right Cheek	0	0.085	1.445	0.123	0.489	0.306		32.6		
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	25.0	24.03	1	108	Right Tilt	0	0.061	1.250	0.076	0.215	0.134		36.1		
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.09	1882.50	376500	DFT-s-OFDM	0.0	25.0	23.92	108	54	Right Tilt	0	0.062	1.282	0.079	0.224	0.140		35.9		
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	25.0	24.03	1	108	Left Cheek	0	0.069	1.250	0.086	0.243	0.152		35.6		
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.05	1882.50	376500	DFT-s-OFDM	0.0	25.0	23.92	108	54	Left Cheek	0	0.067	1.282	0.086	0.242	0.151		35.6		
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.07	1882.50	376500	DFT-s-OFDM	0.0	25.0	24.03	1	108	Left Tilt	0	0.055	1.250	0.069	0.194	0.121		36.6		
Head	NR Band n25	40	QPSK	B	0073M	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	25.0	23.92	108	54	Left Tilt	0	0.050	1.282	0.064	0.181	0.113		36.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-170 | Plot A74

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n25	40	QPSK	G	0073M	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.56	1	1	Right Cheek	0	0.494	1.242	0.614	0.675	0.422		22.6	20.8	19.5
Head	NR Band n25	40	QPSK	G	0073M	1:1	-0.08	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.57	108	54	Right Cheek	0	0.497	1.239	0.616	0.678	0.424		22.6		
Head	NR Band n25	40	QPSK	G	0073M	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.56	1	1	Right Tilt	0	0.575	1.242	0.714	0.785	0.491		21.9		
Head	NR Band n25	40	QPSK	G	0073M	1:1	-0.11	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.57	108	54	Right Tilt	0	0.585	1.239	0.725	0.798	0.498		21.8		
Head	NR Band n25	40	QPSK	G	0073M	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.56	1	1	Left Cheek	0	0.612	1.242	0.760	0.836	0.523		21.6		
Head	NR Band n25	40	QPSK	G	0073M	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.57	108	54	Left Cheek	0	0.604	1.239	0.748	0.823	0.515		21.7		
Head	NR Band n25	40	QPSK	G	0073M	1:1	0.07	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.56	1	1	Left Tilt	0	0.725	1.242	0.900	0.990	0.619		20.9		
Head	NR Band n25	40	QPSK	G	0073M	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.57	108	54	Left Tilt	0	0.727	1.239	0.901	0.991	0.619		20.9		
Head	NR Band n25	40	QPSK	G	0073M	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	20.5	19.38	216	0	Left Tilt	0	0.717	1.294	0.928	1.021	0.638		20.8		
Head	NR Band n25	40	QPSK	G	0073M	1:1	0.03	1882.50	376500	CP-OFDM	0.0	20.5	19.55	1	1	Left Tilt	0	0.747	1.245	0.930	1.023	0.639	Plot	20.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-171

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n25	40	QPSK	B	1806M	1:1	-0.03	1882.50	376500	DFT-s-OFDM	0.0	18.5	18.00	1	108	Back	5	0.846	1.122	0.949	1.044	0.652		18.7	18.2	17.5
Body-worn/Hotspot	NR Band n25	40	QPSK	B	1806M	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	18.5	18.06	108	54	Back	5	0.849	1.107	0.940	1.034	0.647		18.7		
Body-worn/Hotspot	NR Band n25	40	QPSK	B	1806M	1:1	-0.06	1882.50	376500	DFT-s-OFDM	0.0	18.5	17.87	216	0	Back	5	0.836	1.156	0.966	1.063	0.664		18.6		
Body-worn/Hotspot	NR Band n25	40	QPSK	B	1806M	1:1	-0.01	1882.50	376500	CP-OFDM	0.0	18.5	17.69	1	1	Back	5	0.883	1.205	1.064	1.170	0.732		18.2		
Body-worn/Hotspot	NR Band n25	40	QPSK	B	1851M	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	18.5	18.00	1	108	Front	5	0.155	1.122	0.174	0.191	0.120		26.0		
Body-worn/Hotspot	NR Band n25	40	QPSK	B	1851M	1:1	0.17	1882.50	376500	DFT-s-OFDM	0.0	18.5	18.06	108	54	Front	5	0.157	1.107	0.174	0.191	0.120		26.1		
Hotspot	NR Band n25	40	QPSK	B	1851M	1:1	0.11	1882.50	376500	DFT-s-OFDM	0.0	18.5	18.00	1	108	Bottom	10	0.220	1.122	0.247	0.272	0.169		24.5		
Hotspot	NR Band n25	40	QPSK	B	1851M	1:1	-0.02	1882.50	376500	DFT-s-OFDM	0.0	18.5	18.06	108	54	Bottom	10	0.221	1.107	0.245	0.270	0.168		24.6		
Hotspot	NR Band n25	40	QPSK	B	1851M	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	18.5	18.00	1	108	Left	10	0.030	1.122	0.034	0.037	0.023		33.2		
Hotspot	NR Band n25	40	QPSK	B	1851M	1:1	0.10	1882.50	376500	DFT-s-OFDM	0.0	18.5	18.06	108	54	Left	10	0.031	1.107	0.034	0.037	0.023		33.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-172 | Plot A75

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.31	1	108	Back	5	0.955	1.172	1.119	1.231	0.769		17.5	17.2	17.0
Body-worn/Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.32	108	54	Back	5	0.985	1.169	1.151	1.266	0.791		17.3		
Body-worn/Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.27	216	0	Back	5	0.988	1.183	1.169	1.286	0.804		17.3		
Body-worn/Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	0.08	1882.50	376500	CP-OFDM	0.0	18.0	17.28	1	1	Back	5	0.997	1.180	1.176	1.294	0.809	Plot	17.2		
Body-worn/Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.31	1	108	Front	5	0.299	1.172	0.350	0.385	0.241		22.5		
Body-worn/Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	0.09	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.32	108	54	Front	5	0.299	1.169	0.350	0.385	0.241		22.5		
Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.31	1	108	Top	10	0.447	1.172	0.524	0.576	0.361		20.8		
Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	-0.02	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.32	108	54	Top	10	0.453	1.169	0.530	0.583	0.364		20.7		
Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	0.09	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.31	1	108	Right	10	0.073	1.172	0.086	0.095	0.059		28.6		
Hotspot	NR Band n25	40	QPSK	G	1774M	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	18.0	17.32	108	54	Right	10	0.072	1.169	0.084	0.092	0.058		28.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-173 | Plot A76

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n25	40	QPSK	B	1806M	1:1	-0.10	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.08	1	108	Back	0	0.896	1.236	1.107	1.218	0.761		12.5	12.3	12.0
Body	NR Band n25	40	QPSK	B	1806M	1:1	-0.06	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.19	108	54	Back	0	0.920	1.205	1.109	1.220	0.762		12.5		
Body	NR Band n25	40	QPSK	B	1806M	1:1	-0.10	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.03	216	0	Back	0	0.934	1.250	1.168	1.285	0.803		12.3		
Body	NR Band n25	40	QPSK	B	1806M	1:1	-0.12	1882.50	376500	CP-OFDM	0.0	13.0	12.15	1	1	Back	0	0.946	1.216	1.150	1.265	0.791	Plot	12.3		
Body	NR Band n25	40	QPSK	B	0073M	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.08	1	108	Top	0	0.000	1.236	0.000	0.000	0.000		52.0		
Body	NR Band n25	40	QPSK	B	0073M	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.19	108	54	Top	0	0.000	1.205	0.000	0.000	0.000		52.1		
Body	NR Band n25	40	QPSK	B	0073M	1:1	-0.09	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.08	1	108	Bottom	0	0.735	1.236	0.908	0.999	0.625		13.4		
Body	NR Band n25	40	QPSK	B	0073M	1:1	-0.05	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.19	108	54	Bottom	0	0.739	1.205	0.890	0.979	0.612		13.5		
Body	NR Band n25	40	QPSK	B	0073M	1:1	-0.01	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.03	216	0	Bottom	0	0.734	1.250	0.918	1.010	0.631		13.3		
Body	NR Band n25	40	QPSK	B	0073M	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.08	1	108	Right	0	0.032	1.236	0.040	0.044	0.028		27.0		
Body	NR Band n25	40	QPSK	B	0073M	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.19	108	54	Right	0	0.030	1.205	0.036	0.040	0.025		27.4		
Body	NR Band n25	40	QPSK	B	0073M	1:1	0.00	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.08	1	108	Left	0	0.009	1.236	0.011	0.012	0.008		32.5		
Body	NR Band n25	40	QPSK	B	0073M	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	13.0	12.19	108	54	Left	0	0.010	1.205	0.012	0.013	0.009		32.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-174

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	1	108	Back	10	0.704	1.233	0.868	0.955	0.597		22.6	22.4	21.0
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.02	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	108	54	Back	10	0.710	1.233	0.875	0.963	0.602		22.5		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.01	216	0	Back	10	0.699	1.256	0.878	0.966	0.604		22.5		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.06	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	1	108	Top	13	0.507	1.233	0.625	0.688	0.430		24.0		
Body	NR Band n25	40	QPSK	G	0073M	1:1	-0.07	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	108	54	Top	13	0.521	1.233	0.642	0.706	0.441		23.9		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	1	108	Bottom	0	0.026	1.233	0.032	0.035	0.022		36.9		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.04	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	108	54	Bottom	0	0.026	1.233	0.032	0.035	0.022		36.9		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.09	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	1	108	Right	0	0.716	1.233	0.883	0.971	0.607		22.5		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.07	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	108	54	Right	0	0.737	1.233	0.909	1.000	0.625		22.4		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.01	216	0	Right	0	0.726	1.256	0.912	1.003	0.627		22.4		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.01	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	1	108	Left	0	0.154	1.233	0.190	0.209	0.131		29.2		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.08	1882.50	376500	DFT-s-OFDM	0.0	22.0	21.09	108	54	Left	0	0.157	1.233	0.194	0.213	0.133		29.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-175

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.07	1882.50	376500	DFT-s-OFDM	0.0	11.5	10.33	1	1	Back	0	0.510	1.309	0.668	0.735	0.460		13.2	11.3	10.5
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.05	1882.50	376500	DFT-s-OFDM	0.0	11.5	10.35	108	0	Back	0	0.522	1.303	0.680	0.748	0.468		13.1		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.09	1882.50	376500	DFT-s-OFDM	0.0	11.5	10.33	1	1	Top	0	0.754	1.309	0.987	1.086	0.679		11.5		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.09	1882.50	376500	DFT-s-OFDM	0.0	11.5	10.35	108	0	Top	0	0.731	1.303	0.952	1.047	0.655		11.7		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.03	1882.50	376500	DFT-s-OFDM	0.0	11.5	10.30	216	0	Top	0	0.748	1.318	0.986	1.085	0.678		11.5		
Body	NR Band n25	40	QPSK	G	0073M	1:1	0.03	1882.50	376500	CP-OFDM	0.0	11.5	10.35	1	1	Top	0	0.789	1.303	1.028	1.131	0.707		11.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.5 NR Band n30 Standalone SAR

Table 12-176

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n30	10	QPSK	B	0071M	1:1	0.06	2310.00	462000	DFT-s-OFDM	0.0	24.0	22.97	1	26	Right Cheek	0	0.056	1.268	0.071	0.241	0.151		35.4	34.6	29.3
Head	NR Band n30	10	QPSK	B	0071M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	24.0	22.96	25	14	Right Cheek	0	0.068	1.271	0.086	0.293	0.183		34.6		
Head	NR Band n30	10	QPSK	B	0071M	1:1	-0.06	2310.00	462000	CP-OFDM	1.5	22.5	21.28	1	1	Right Cheek	0	0.033	1.324	0.044	0.209	0.131		36.0		
Head	NR Band n30	10	QPSK	B	0071M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	24.0	22.97	1	26	Right Tilt	0	0.026	1.268	0.033	0.112	0.070		38.8		
Head	NR Band n30	10	QPSK	B	0071M	1:1	-0.13	2310.00	462000	DFT-s-OFDM	0.0	24.0	22.96	25	14	Right Tilt	0	0.033	1.271	0.042	0.142	0.089		37.7		
Head	NR Band n30	10	QPSK	B	0071M	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	24.0	22.97	1	26	Left Cheek	0	0.046	1.268	0.058	0.198	0.124		36.3		
Head	NR Band n30	10	QPSK	B	0071M	1:1	0.09	2310.00	462000	DFT-s-OFDM	0.0	24.0	22.96	25	14	Left Cheek	0	0.048	1.271	0.061	0.207	0.129		36.1		
Head	NR Band n30	10	QPSK	B	0071M	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	24.0	22.97	1	26	Left Tilt	0	0.040	1.268	0.051	0.172	0.108		36.9		
Head	NR Band n30	10	QPSK	B	0071M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	24.0	22.96	25	14	Left Tilt	0	0.033	1.271	0.042	0.142	0.089		37.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-177 | Plot A77

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n30	10	QPSK	G	0071M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.49	1	1	Right Cheek	0	0.367	1.262	0.463	0.509	0.318		22.8	20.0	18.5
Head	NR Band n30	10	QPSK	G	0071M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.42	25	0	Right Cheek	0	0.374	1.282	0.479	0.527	0.329		22.6		
Head	NR Band n30	10	QPSK	G	0071M	1:1	-0.05	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.49	1	1	Right Tilt	0	0.578	1.262	0.729	0.802	0.502		20.8		
Head	NR Band n30	10	QPSK	G	0071M	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.42	25	0	Right Tilt	0	0.582	1.282	0.746	0.821	0.513		20.7		
Head	NR Band n30	10	QPSK	G	0071M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.40	50	0	Right Tilt	0	0.608	1.288	0.783	0.861	0.538		20.5		
Head	NR Band n30	10	QPSK	G	0071M	1:1	-0.05	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.49	1	1	Left Cheek	0	0.532	1.262	0.671	0.738	0.461		21.2		
Head	NR Band n30	10	QPSK	G	0071M	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.42	25	0	Left Cheek	0	0.591	1.282	0.758	0.834	0.521		20.7		
Head	NR Band n30	10	QPSK	G	0071M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.40	50	0	Left Cheek	0	0.559	1.288	0.720	0.792	0.495		20.9		
Head	NR Band n30	10	QPSK	G	0071M	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.49	1	1	Left Tilt	0	0.677	1.262	0.854	0.939	0.587		20.1		
Head	NR Band n30	10	QPSK	G	0071M	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.42	25	0	Left Tilt	0	0.688	1.282	0.882	0.970	0.606	Plot	20.0		
Head	NR Band n30	10	QPSK	G	0071M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	19.5	18.40	50	0	Left Tilt	0	0.666	1.288	0.858	0.944	0.590		20.1		
Head	NR Band n30	10	QPSK	G	0071M	1:1	0.01	2310.00	462000	CP-OFDM	0.0	19.5	18.48	1	1	Left Tilt	0	0.658	1.265	0.832	0.915	0.572		20.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-178

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	-0.07	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.34	1	26	Back	5	0.616	1.164	0.717	0.789	0.493		21.4	21.4	19.0
Body-worn/Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	0.11	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.39	25	0	Back	5	0.617	1.151	0.710	0.781	0.488		21.4		
Body-worn/Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	-0.09	2310.00	462000	CP-OFDM	0.0	20.0	19.30	1	1	Back	5	0.527	1.175	0.619	0.681	0.426		22.0		
Body-worn/Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.34	1	26	Front	5	0.321	1.164	0.374	0.411	0.257		24.2		
Body-worn/Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	0.04	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.39	25	0	Front	5	0.326	1.151	0.375	0.413	0.257		24.2		
Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	0.06	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.34	1	26	Bottom	10	0.493	1.164	0.574	0.631	0.395		22.4		
Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	-0.06	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.39	25	0	Bottom	10	0.571	1.151	0.657	0.723	0.452		21.8		
Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	0.09	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.34	1	26	Left	10	0.007	1.164	0.008	0.009	0.006		40.8		
Hotspot	NR Band n30	10	QPSK	B	0071M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	20.0	19.39	25	0	Left	10	0.006	1.151	0.007	0.008	0.004		41.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-179 | Plot A78

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.67	1	1	Back	5	0.958	1.079	1.034	1.137	0.711	Plot	18.8	18.7	18.0
Body-worn/Hotspot	NR Band n30	10	QPSK	G	0136M	1:1	0.17	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.67	1	1	Back	5	0.940	1.079	1.016	1.118	0.699		18.9		
Body-worn/Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	0.11	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.56	25	27	Back	5	0.939	1.107	1.039	1.143	0.714		18.8		
Body-worn/Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.55	50	0	Back	5	0.953	1.109	1.057	1.163	0.727		18.7		
Body-worn/Hotspot	NR Band n30	10	QPSK	G	0136M	1:1	-0.01	2310.00	462000	CP-OFDM	0.0	19.0	18.65	1	1	Back	5	0.840	1.084	0.911	1.002	0.626		19.4		
Body-worn/Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	-0.03	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.67	1	1	Front	5	0.260	1.079	0.281	0.309	0.194		24.5		
Body-worn/Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	0.06	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.56	25	27	Front	5	0.253	1.107	0.280	0.308	0.193		24.5		
Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.67	1	1	Top	10	0.340	1.079	0.367	0.404	0.252		23.3		
Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	-0.07	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.56	25	27	Top	10	0.343	1.107	0.380	0.418	0.262		23.2		
Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.67	1	1	Right	10	0.030	1.079	0.032	0.035	0.022		33.8		
Hotspot	NR Band n30	10	QPSK	G	0071M	1:1	0.03	2310.00	462000	DFT-s-OFDM	0.0	19.0	18.56	25	27	Right	10	0.031	1.107	0.034	0.037	0.023		33.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Blue entry represents variability measurement

Table 12-180

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n30	10	QPSK	B	0071M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.82	1	26	Back	0	0.632	1.312	0.829	0.912	0.570		12.8	11.6	11.0
Body	NR Band n30	10	QPSK	B	0071M	1:1	0.04	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.83	25	0	Back	0	0.651	1.309	0.852	0.937	0.586		12.6		
Body	NR Band n30	10	QPSK	B	0071M	1:1	-0.06	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.67	50	0	Back	0	0.640	1.358	0.869	0.956	0.597		12.6		
Body	NR Band n30	10	QPSK	B	0071M	1:1	0.05	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.82	1	26	Top	0	0.002	1.312	0.003	0.003	0.002		37.8		
Body	NR Band n30	10	QPSK	B	0071M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.83	25	0	Top	0	0.002	1.309	0.003	0.003	0.002		37.8		
Body	NR Band n30	10	QPSK	B	0071M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.82	1	26	Bottom	0	0.751	1.312	0.985	1.084	0.678		12.0		
Body	NR Band n30	10	QPSK	B	0071M	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.83	25	0	Bottom	0	0.791	1.309	1.035	1.139	0.712		11.8		
Body	NR Band n30	10	QPSK	B	0071M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.67	50	0	Bottom	0	0.781	1.358	1.061	1.167	0.729		11.7		
Body	NR Band n30	10	QPSK	B	0071M	1:1	-0.12	2310.00	462000	CP-OFDM	0.0	12.0	10.72	1	1	Bottom	0	0.811	1.343	1.089	1.198	0.749		11.6		
Body	NR Band n30	10	QPSK	B	0071M	1:1	-0.05	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.82	1	26	Right	0	0.028	1.312	0.037	0.041	0.025		26.3		
Body	NR Band n30	10	QPSK	B	0071M	1:1	-0.05	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.83	25	0	Right	0	0.029	1.309	0.038	0.042	0.026		26.2		
Body	NR Band n30	10	QPSK	B	0071M	1:1	0.04	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.82	1	26	Left	0	0.005	1.312	0.007	0.008	0.004		33.8		
Body	NR Band n30	10	QPSK	B	0071M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	12.0	10.83	25	0	Left	0	0.005	1.309	0.007	0.008	0.004		33.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-181

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n30	10	QPSK	G	0071M	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.61	1	1	Back	10	0.455	1.377	0.627	0.690	0.431		24.0	24.0	21.0
Body	NR Band n30	10	QPSK	G	0071M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.66	25	14	Back	10	0.442	1.361	0.602	0.662	0.414		24.2		
Body	NR Band n30	10	QPSK	G	0071M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.61	1	1	Top	13	0.367	1.377	0.505	0.556	0.348		24.9		
Body	NR Band n30	10	QPSK	G	0071M	1:1	0.00	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.66	25	14	Top	13	0.344	1.361	0.468	0.515	0.322		25.2		
Body	NR Band n30	10	QPSK	G	0071M	1:1	0.14	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.61	1	1	Bottom	0	0.011	1.377	0.015	0.017	0.010		40.1		
Body	NR Band n30	10	QPSK	G	0071M	1:1	0.07	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.66	25	14	Bottom	0	0.009	1.361	0.012	0.013	0.009		41.1		
Body	NR Band n30	10	QPSK	G	0071M	1:1	-0.03	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.61	1	1	Right	0	0.307	1.377	0.423	0.465	0.290		25.7		
Body	NR Band n30	10	QPSK	G	0071M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.66	25	14	Right	0	0.296	1.361	0.403	0.443	0.277		25.9		
Body	NR Band n30	10	QPSK	G	0071M	1:1	0.12	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.61	1	1	Left	0	0.091	1.377	0.125	0.138	0.086		31.0		
Body	NR Band n30	10	QPSK	G	0071M	1:1	-0.01	2310.00	462000	DFT-s-OFDM	0.0	22.0	20.66	25	14	Left	0	0.096	1.361	0.131	0.144	0.090		30.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-182 | Plot A79

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n30	10	QPSK	G	0071M	1:1	0.09	2310.00	462000	DFT-s-OFDM	0.0	10.5	10.02	1	1	Back	0	0.571	1.117	0.638	0.702	0.439		12.4	10.3	9.5
Body	NR Band n30	10	QPSK	G	0071M	1:1	-0.04	2310.00	462000	DFT-s-OFDM	0.0	10.5	9.99	25	14	Back	0	0.585	1.125	0.658	0.724	0.452		12.3		
Body	NR Band n30	10	QPSK	G	0071M	1:1	0.02	2310.00	462000	DFT-s-OFDM	0.0	10.5	10.02	1	1	Top	0	0.903	1.117	1.009	1.110	0.694		10.4		
Body	NR Band n30	10	QPSK	G	0071M	1:1	-0.02	2310.00	462000	DFT-s-OFDM	0.0	10.5	9.99	25	14	Top	0	0.902	1.125	1.015	1.117	0.697		10.4		
Body	NR Band n30	10	QPSK	G	0071M	1:1	0.01	2310.00	462000	DFT-s-OFDM	0.0	10.5	9.90	50	0	Top	0	0.888	1.148	1.019	1.121	0.701		10.4		
Body	NR Band n30	10	QPSK	G	0071M	1:1	0.01	2310.00	462000	CP-OFDM	0.0	10.5	9.95	1	1	Top	0	0.905	1.135	1.027	1.130	0.706	Plot	10.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Body 1.6 W/kg (mW/g) averaged over 1 gram								

12.6 NR Band n7 Standalone SAR

Table 12-183

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n7	50	QPSK	B	0071M	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	24.0	23.24	1	1	Right Cheek	0	0.018	1.191	0.021	0.159	0.099		40.6	38.0	32.7
Head	NR Band n7	50	QPSK	B	0071M	1:1	-0.16	2535.00	507000	DFT-s-OFDM	0.0	24.0	23.16	135	68	Right Cheek	0	0.023	1.213	0.028	0.207	0.129		39.5		
Head	NR Band n7	50	QPSK	B	0071M	1:1	-0.10	2535.00	507000	DFT-s-OFDM	0.0	24.0	23.24	1	1	Right Tilt	0	0.033	1.191	0.039	0.291	0.182		38.0		
Head	NR Band n7	50	QPSK	B	0071M	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	24.0	23.16	135	68	Right Tilt	0	0.032	1.213	0.039	0.288	0.180		38.1		
Head	NR Band n7	50	QPSK	B	0071M	1:1	0.02	2535.00	507000	CP-OFDM	1.5	22.5	21.63	1	1	Right Tilt	0	0.019	1.222	0.023	0.243	0.152		38.8		
Head	NR Band n7	50	QPSK	B	0071M	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	24.0	23.24	1	1	Left Cheek	0	0.015	1.191	0.018	0.132	0.083		41.4		
Head	NR Band n7	50	QPSK	B	0071M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	24.0	23.16	135	68	Left Cheek	0	0.022	1.213	0.027	0.198	0.124		39.7		
Head	NR Band n7	50	QPSK	B	0071M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	24.0	23.24	1	1	Left Tilt	0	0.020	1.191	0.024	0.177	0.111		40.2		
Head	NR Band n7	50	QPSK	B	0071M	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	24.0	23.16	135	68	Left Tilt	0	0.020	1.213	0.024	0.180	0.113		40.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																		Head 1.6 W/kg (mW/g) averaged over 1 gram								

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-184 | Plot A80

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n7	50	QPSK	G	0071M	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.49	1	1	Right Cheek	0	0.400	1.125	0.450	0.495	0.309		21.4	18.4	17.0
Head	NR Band n7	50	QPSK	G	0071M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.46	135	0	Right Cheek	0	0.406	1.132	0.460	0.506	0.317		21.3		
Head	NR Band n7	50	QPSK	G	0071M	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.49	1	1	Right Tilt	0	0.581	1.125	0.654	0.719	0.450		19.8		
Head	NR Band n7	50	QPSK	G	0071M	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.46	135	0	Right Tilt	0	0.587	1.132	0.664	0.730	0.457		19.7		
Head	NR Band n7	50	QPSK	G	0071M	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.49	1	1	Left Cheek	0	0.622	1.125	0.700	0.770	0.482		19.5		
Head	NR Band n7	50	QPSK	G	0071M	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.46	135	0	Left Cheek	0	0.629	1.132	0.712	0.783	0.490		19.4		
Head	NR Band n7	50	QPSK	G	0071M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.49	1	1	Left Tilt	0	0.789	1.125	0.888	0.977	0.611		18.5		
Head	NR Band n7	50	QPSK	G	0071M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.46	135	0	Left Tilt	0	0.799	1.132	0.904	0.994	0.622	Plot	18.4		
Head	NR Band n7	50	QPSK	G	0071M	1:1	-0.08	2535.00	507000	DFT-s-OFDM	0.0	18.0	17.39	270	0	Left Tilt	0	0.781	1.151	0.899	0.989	0.618		18.4		
Head	NR Band n7	50	QPSK	G	0071M	1:1	-0.01	2535.00	507000	CP-OFDM	0.0	18.0	17.21	1	1	Left Tilt	0	0.719	1.199	0.862	0.948	0.593		18.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-185

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	0.10	2535.00	507000	DFT-s-OFDM	0.0	20.0	19.22	1	1	Back	5	0.437	1.197	0.523	0.575	0.360		22.8	22.5	19.0
Body-worn/Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	20.0	19.21	135	0	Back	5	0.462	1.199	0.554	0.629	0.381		22.5		
Body-worn/Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	-0.10	2535.00	507000	CP-OFDM	0.0	20.0	19.19	1	1	Back	5	0.446	1.205	0.537	0.591	0.370		22.6		
Body-worn/Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	-0.01	2535.00	507000	DFT-s-OFDM	0.0	20.0	19.22	1	1	Front	5	0.099	1.197	0.119	0.131	0.081		29.2		
Body-worn/Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	20.0	19.21	135	0	Front	5	0.104	1.199	0.125	0.138	0.086		29.0		
Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	-0.09	2535.00	507000	DFT-s-OFDM	0.0	20.0	19.22	1	1	Bottom	10	0.228	1.197	0.273	0.300	0.188		25.6		
Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	20.0	19.21	135	0	Bottom	10	0.193	1.199	0.231	0.254	0.158		26.3		
Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	20.0	19.22	1	1	Left	10	0.002	1.197	0.002	0.002	0.001		46.2		
Hotspot	NR Band n7	50	QPSK	B	0071M	1:1	0.08	2535.00	507000	DFT-s-OFDM	0.0	20.0	19.21	135	0	Left	10	0.002	1.199	0.002	0.002	0.001		46.1		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-186 | Plot A81

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	0.06	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.67	1	1	Back	5	0.918	1.211	1.112	1.223	0.765		17.0	16.8	16.5
Body-worn/Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	-0.06	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.64	135	68	Back	5	0.948	1.219	1.156	1.272	0.795	Plot	16.8		
Body-worn/Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	0.06	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.63	270	0	Back	5	0.937	1.222	1.145	1.260	0.788		16.9		
Body-worn/Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	-0.04	2535.00	507000	CP-OFDM	0.0	17.5	16.62	1	1	Back	5	0.931	1.225	1.140	1.254	0.784		16.9		
Body-worn/Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.67	1	1	Front	5	0.381	1.211	0.461	0.507	0.317		20.8		
Body-worn/Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.64	135	68	Front	5	0.389	1.219	0.474	0.521	0.326		20.7		
Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	-0.07	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.67	1	1	Top	10	0.405	1.211	0.490	0.539	0.337		20.5		
Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.64	135	68	Top	10	0.424	1.219	0.517	0.569	0.355		20.3		
Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	-0.06	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.67	1	1	Right	10	0.072	1.211	0.087	0.096	0.059		28.0		
Hotspot	NR Band n7	50	QPSK	G	0071M	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	17.5	16.64	135	68	Right	10	0.069	1.219	0.084	0.092	0.058		28.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-187

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n7	50	QPSK	B	0071M	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.19	1	1	Back	0	0.418	1.205	0.504	0.554	0.347		14.9	14.6	11.0
Body	NR Band n7	50	QPSK	B	0071M	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.13	135	68	Back	0	0.446	1.222	0.545	0.600	0.375		14.6		
Body	NR Band n7	50	QPSK	B	0071M	1:1	0.06	2535.00	507000	CP-OFDM	0.0	12.0	11.14	1	1	Back	0	0.427	1.219	0.521	0.573	0.359		14.8		
Body	NR Band n7	50	QPSK	B	0071M	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.19	1	1	Top	0	0.001	1.205	0.001	0.001	0.001		41.1		
Body	NR Band n7	50	QPSK	B	0071M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.13	135	68	Top	0	0.000	1.222	0.000	0.000	0.000		51.1		
Body	NR Band n7	50	QPSK	B	0071M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.19	1	1	Bottom	0	0.353	1.205	0.425	0.468	0.293		15.7		
Body	NR Band n7	50	QPSK	B	0071M	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.13	135	68	Bottom	0	0.360	1.222	0.440	0.484	0.303		15.5		
Body	NR Band n7	50	QPSK	B	0071M	1:1	0.07	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.19	1	1	Right	0	0.030	1.205	0.036	0.040	0.025		26.4		
Body	NR Band n7	50	QPSK	B	0071M	1:1	0.06	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.13	135	68	Right	0	0.031	1.222	0.038	0.042	0.026		26.2		
Body	NR Band n7	50	QPSK	B	0071M	1:1	0.09	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.19	1	1	Left	0	0.006	1.205	0.007	0.008	0.004		33.4		
Body	NR Band n7	50	QPSK	B	0071M	1:1	0.03	2535.00	507000	DFT-s-OFDM	0.0	12.0	11.13	135	68	Left	0	0.007	1.222	0.009	0.010	0.007		32.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-188 | Plot A82

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n7	50	QPSK	G	0071M	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.14	1	1	Back	10	0.458	1.086	0.497	0.547	0.342		21.5	17.8	17.5
Body	NR Band n7	50	QPSK	G	0071M	1:1	-0.03	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.04	135	0	Back	10	0.475	1.112	0.528	0.581	0.363		21.2		
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.14	1	1	Top	13	0.415	1.086	0.451	0.496	0.310		21.9		
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.04	135	0	Top	13	0.430	1.112	0.478	0.526	0.329		21.7		
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.14	1	1	Bottom	0	0.029	1.086	0.031	0.034	0.021		33.5		
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.15	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.04	135	0	Bottom	0	0.028	1.112	0.031	0.034	0.021		33.5		
Body	NR Band n7	50	QPSK	G	0590M	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.14	1	1	Right	0	1.030	1.086	1.119	1.231	0.769		18.0		
Body	NR Band n7	50	QPSK	G	0590M	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.04	135	0	Right	0	1.030	1.112	1.145	1.260	0.788		17.9		
Body	NR Band n7	50	QPSK	G	0590M	1:1	-0.05	2535.00	507000	DFT-s-OFDM	0.0	18.5	17.96	270	0	Right	0	1.010	1.132	1.143	1.257	0.785		17.9		
Body	NR Band n7	50	QPSK	G	0590M	1:1	-0.18	2535.00	507000	CP-OFDM	0.0	18.5	18.01	1	1	Right	0	1.030	1.119	1.153	1.268	0.793	Plot	17.8		
Body	NR Band n7	50	QPSK	G	0590M	1:1	0.07	2535.00	507000	CP-OFDM	0.0	18.5	18.01	1	1	Right	0	1.030	1.119	1.153	1.231	0.769		18.0		
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.05	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.14	1	1	Left	0	0.069	1.086	0.075	0.083	0.052		29.7		
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.00	2535.00	507000	DFT-s-OFDM	0.0	18.5	18.04	135	0	Left	0	0.063	1.112	0.070	0.077	0.048		30.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: Blue entry represents variability measurement

Table 12-189

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.02	2535.00	507000	DFT-s-OFDM	0.0	10.0	8.67	1	135	Back	0	0.637	1.358	0.865	0.952	0.595		10.6	9.9	9.0
Body	NR Band n7	50	QPSK	G	0071M	1:1	-0.15	2535.00	507000	DFT-s-OFDM	0.0	10.0	8.68	135	68	Back	0	0.685	1.355	0.928	1.021	0.638		10.3		
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.01	2535.00	507000	DFT-s-OFDM	0.0	10.0	8.56	270	0	Back	0	0.658	1.393	0.917	1.009	0.630		10.3		
Body	NR Band n7	50	QPSK	G	0071M	1:1	-0.02	2535.00	507000	DFT-s-OFDM	0.0	10.0	8.67	1	135	Top	0	0.719	1.358	0.976	1.074	0.671		10.1		
Body	NR Band n7	50	QPSK	G	0071M	1:1	0.04	2535.00	507000	DFT-s-OFDM	0.0	10.0	8.68	135	68	Top	0	0.712	1.355	0.965	1.062	0.663		10.1		
Body	NR Band n7	50	QPSK	G	0071M	1:1	-0.04	2535.00	507000	DFT-s-OFDM	0.0	10.0	8.56	270	0	Top	0	0.721	1.393	1.004	1.104	0.691		9.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.7 NR Band n41 Standalone SAR

Table 12-190 | Plot A83

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	-0.01	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.32	1	137	Right Cheek	0	0.646	1.169	0.755	0.831	0.519		18.2	16.7	16.0
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	0.00	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.36	135	69	Right Cheek	0	0.631	1.159	0.731	0.804	0.503		18.3		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.32	1	137	Right Tilt	0	0.726	1.169	0.849	0.934	0.584		17.7		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	0.00	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.36	135	69	Right Tilt	0	0.709	1.159	0.822	0.904	0.565		17.8		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.22	270	0	Right Tilt	0	0.697	1.197	0.834	0.917	0.573		17.7		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	-0.01	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.32	1	137	Left Cheek	0	0.796	1.169	0.931	1.024	0.640		17.3		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	0.00	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.36	135	69	Left Cheek	0	0.778	1.159	0.902	0.992	0.620		17.4		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	0.02	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.22	270	0	Left Cheek	0	0.757	1.197	0.906	0.997	0.623		17.4		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.32	1	137	Left Tilt	0	0.912	1.169	1.066	1.173	0.733	Plot	16.7		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.36	135	69	Left Tilt	0	0.886	1.159	1.027	1.130	0.706		16.8		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	17.0	16.22	270	0	Left Tilt	0	0.891	1.197	1.067	1.174	0.734		16.7		
Head	NR Band n41	100	QPSK	G	1	1792M	1:1	0.00	2592.99	518598	CP-OFDM	0.0	17.0	16.26	1	1	Left Tilt	0	0.836	1.186	0.991	1.090	0.681		17.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Head 1.6 W/kg (mW/g) averaged over 1 gram								

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n41	100	G	2	0584M	1:1	0.18	2592.99	518598	CW/SRS	15.0	14.87	Left Tilt	0	0.470	1.030	0.484	0.532	0.333		18.1	18.1	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-191

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	0.08	2592.99	518598	DFT-s-OFDM	0.0	25.0	24.32	1	271	Right Cheek	0	0.045	1.169	0.053	0.058	0.036		37.7	33.5	24.0
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	-0.06	2592.99	518598	DFT-s-OFDM	0.0	25.0	24.05	135	69	Right Cheek	0	0.109	1.245	0.136	0.150	0.094		33.6		
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	0.00	2592.99	518598	DFT-s-OFDM	0.0	25.0	24.32	1	271	Right Tilt	0	0.048	1.169	0.056	0.062	0.039		37.5		
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	-0.05	2592.99	518598	DFT-s-OFDM	0.0	25.0	24.05	135	69	Right Tilt	0	0.094	1.245	0.117	0.129	0.080		34.3		
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	-0.10	2592.99	518598	DFT-s-OFDM	0.0	25.0	24.32	1	271	Left Cheek	0	0.043	1.169	0.050	0.055	0.034		37.9		
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	-0.06	2592.99	518598	DFT-s-OFDM	0.0	25.0	24.05	135	69	Left Cheek	0	0.113	1.245	0.141	0.155	0.097		33.5		
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	0.01	2592.99	518598	CP-OFDM	0.0	25.0	24.03	1	1	Left Cheek	0	0.036	1.250	0.045	0.050	0.031		38.4		
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	25.0	24.32	1	271	Left Tilt	0	0.008	1.169	0.009	0.010	0.007		45.2		
Head	NR Band n41	100	QPSK	B	2	0163M	1:1	0.19	2592.99	518598	DFT-s-OFDM	0.0	25.0	24.05	135	69	Left Tilt	0	0.050	1.245	0.062	0.068	0.043		37.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Head 1.6 W/kg (mW/g) averaged over 1 gram								

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n41	100	B	1	0584M	1:1	0.08	2592.99	518598	CW/SRS	21.0	19.71	Left Cheek	0	0.021	1.346	0.028	0.031	0.020		36.4	36.4	20.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-192

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n41	100	H	1	0590M	1:1	0.02	2592.99	518598	CW/SRS	15.0	14.35	Right Cheek	0	0.028	1.161	0.033	0.036	0.023		29.8	29.4	14.0
Head	NR Band n41	100	H	1	0590M	1:1	0.02	2592.99	518598	CW/SRS	15.0	14.35	Right Tilt	0	0.002	1.161	0.002	0.002	0.001		41.3		
Head	NR Band n41	100	H	1	0590M	1:1	0.18	2592.99	518598	CW/SRS	15.0	14.35	Left Cheek	0	0.031	1.161	0.036	0.040	0.025		29.4		
Head	NR Band n41	100	H	1	0590M	1:1	0.09	2592.99	518598	CW/SRS	15.0	14.35	Left Tilt	0	0.005	1.161	0.006	0.007	0.004		37.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n41	100	H	2	0584M	1:1	0.07	2592.99	518598	CW/SRS	9.0	8.68	Left Cheek	0	0.007	1.076	0.008	0.009	0.006		30.2	30.2	8.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-193

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n41	100	D	1	0590M	1:1	0.08	2592.99	518598	CW/SRS	15.0	14.37	Right Cheek	0	0.007	1.156	0.008	0.010	0.006		35.9	35.9	14.0
Head	NR Band n41	100	D	1	0590M	1:1	0.07	2592.99	518598	CW/SRS	15.0	14.37	Right Tilt	0	0.000	1.156	0.000	0.000	0.000		54.3		
Head	NR Band n41	100	D	1	0590M	1:1	0.06	2592.99	518598	CW/SRS	15.0	14.37	Left Cheek	0	0.000	1.156	0.000	0.000	0.000		54.3		
Head	NR Band n41	100	D	1	0590M	1:1	0.01	2592.99	518598	CW/SRS	15.0	14.37	Left Tilt	0	0.000	1.156	0.000	0.000	0.000		54.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n41	100	D	2	0584M	1:1	0.05	2592.99	518598	CW/SRS	15.0	14.56	Right Cheek	0	0.008	1.107	0.009	0.010	0.007		35.5	35.5	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-194 | Plot A84

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.39	1	137	Back	5	0.737	1.291	0.951	1.046	0.653		17.7	17.3	16.5
Body-worn/Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.28	135	69	Back	5	0.734	1.324	0.972	1.069	0.669		17.6		
Body-worn/Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.18	270	0	Back	5	0.731	1.355	0.991	1.090	0.681		17.5		
Body-worn/Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.08	2592.99	518598	CP-OFDM	0.0	17.5	16.08	1	1	Back	5	0.739	1.387	1.025	1.128	0.705	Plot	17.3		
Body-worn/Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.39	1	137	Front	5	0.225	1.291	0.290	0.319	0.199		22.8		
Body-worn/Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.07	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.28	135	69	Front	5	0.213	1.324	0.282	0.310	0.194		22.9		
Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.39	1	137	Top	10	0.298	1.291	0.385	0.424	0.265		21.6		
Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	-0.02	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.28	135	69	Top	10	0.299	1.324	0.396	0.436	0.273		21.5		
Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.07	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.39	1	137	Right	10	0.046	1.291	0.059	0.065	0.041		29.7		
Hotspot	NR Band n41	100	QPSK	G	1	1851M	1:1	0.08	2592.99	518598	DFT-s-OFDM	0.0	17.5	16.28	135	69	Right	10	0.049	1.324	0.065	0.072	0.045		29.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n41	100	G	2	0584M	1:1	-0.12	2592.99	518598	CW/SRS	15.0	14.87	Back	5	0.350	1.030	0.361	0.397	0.249		19.4	19.4	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-195

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n41	100	B	1	0164R	1:1	-0.01	2592.99	518598	CW/SRS	18.5	17.84	Back	5	0.732	1.164	0.852	0.937	0.586		19.1	19.1	17.5
Body-worn/Hotspot	NR Band n41	100	B	1	0164R	1:1	0.04	2592.99	518598	CW/SRS	18.5	17.84	Front	5	0.172	1.164	0.200	0.220	0.138		25.4		
Hotspot	NR Band n41	100	B	1	0164R	1:1	0.01	2592.99	518598	CW/SRS	18.5	17.84	Bottom	10	0.314	1.164	0.365	0.402	0.251		22.8		
Hotspot	NR Band n41	100	B	1	0164R	1:1	0.06	2592.99	518598	CW/SRS	18.5	17.84	Left	10	0.031	1.164	0.036	0.040	0.025		32.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n41	100	B	2	0584M	1:1	0.09	2592.99	518598	DFT-s-OFDM	0.0	18.5	17.48	1	271	Back	5	0.482	1.265	0.610	0.671	0.419		20.6	20.6	17.5
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-196

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n41	100	H	1	0164R	1:1	0.03	2592.99	518598	CW/SRS	15.0	14.35	Back	5	0.108	1.161	0.125	0.138	0.086		24.0	24.0	14.0
Body-worn/Hotspot	NR Band n41	100	H	1	0164R	1:1	0.08	2592.99	518598	CW/SRS	15.0	14.35	Front	5	0.014	1.161	0.016	0.018	0.011		32.8		
Hotspot	NR Band n41	100	H	1	0164R	1:1	-0.09	2592.99	518598	CW/SRS	15.0	14.35	Right	10	0.027	1.161	0.031	0.034	0.021		30.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n41	100	H	2	0584M	1:1	0.06	2592.99	518598	CW/SRS	9.0	8.68	Back	5	0.030	1.076	0.032	0.035	0.022		23.9	23.9	8.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-197

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n41	100	D	1	0164R	1:1	0.09	2592.99	518598	CW/SRS	15.0	14.37	Back	5	0.069	1.156	0.080	0.088	0.055		25.9	25.9	14.0
Body-worn/Hotspot	NR Band n41	100	D	1	0164R	1:1	0.00	2592.99	518598	CW/SRS	15.0	14.37	Front	5	0.022	1.156	0.025	0.028	0.018		30.9		
Hotspot	NR Band n41	100	D	1	0164R	1:1	0.03	2592.99	518598	CW/SRS	15.0	14.37	Right	10	0.009	1.156	0.010	0.011	0.007		34.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n41	100	D	2	0584M	1:1	0.08	2592.99	518598	CW/SRS	15.0	14.56	Back	5	0.092	1.107	0.102	0.112	0.070		24.9	24.9	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-198

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.05	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.43	1	271	Back	10	0.335	1.140	0.382	0.420	0.263		24.1	23.4	19.0
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	135	138	Back	10	0.352	1.138	0.401	0.441	0.276		23.9		
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.05	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.43	1	271	Top	13	0.278	1.140	0.317	0.349	0.218		24.9		
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	-0.07	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	135	138	Top	13	0.294	1.138	0.335	0.369	0.230		24.7		
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.03	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.43	1	271	Bottom	0	0.004	1.140	0.005	0.006	0.003		43.4		
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.07	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	135	138	Bottom	0	0.006	1.138	0.007	0.008	0.004		41.6		
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.08	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.43	1	271	Right	0	0.281	1.140	0.320	0.352	0.220		24.9		
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.09	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	135	138	Right	0	0.394	1.138	0.448	0.493	0.308		23.4		
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.06	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.43	1	271	Left	0	0.036	1.140	0.041	0.045	0.029		33.8		
Body	NR Band n41	100	QPSK	G	1	1851M	1:1	0.09	2592.99	518598	DFT-s-OFDM	0.0	20.0	19.44	135	138	Left	0	0.033	1.138	0.038	0.042	0.026		34.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-199

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	QPSK	G	1	0584M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	10.0	9.41	1	271	Back	0	0.544	1.146	0.623	0.685	0.428		12.0	10.6	9.0
Body	NR Band n41	100	QPSK	G	1	0584M	1:1	0.06	2592.99	518598	DFT-s-OFDM	0.0	10.0	9.29	135	138	Back	0	0.532	1.178	0.627	0.690	0.431		12.0		
Body	NR Band n41	100	QPSK	G	1	0584M	1:1	0.02	2592.99	518598	DFT-s-OFDM	0.0	10.0	9.41	1	271	Top	0	0.717	1.146	0.822	0.904	0.565		10.8		
Body	NR Band n41	100	QPSK	G	1	0584M	1:1	0.01	2592.99	518598	DFT-s-OFDM	0.0	10.0	9.29	135	138	Top	0	0.719	1.178	0.847	0.932	0.582		10.7		
Body	NR Band n41	100	QPSK	G	1	0584M	1:1	-0.09	2592.99	518598	DFT-s-OFDM	0.0	10.0	9.28	270	0	Top	0	0.728	1.180	0.859	0.945	0.591		10.6		
Body	NR Band n41	100	QPSK	G	1	0164R	1:1	-0.09	2592.99	518598	CP-OFDM	0.0	10.0	9.25	1	1	Top	0	0.727	1.189	0.864	0.950	0.594		10.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	G	2	0584M	1:1	0.04	2592.99	518598	CW/SRS	10.0	9.74	Top	0	0.698	1.062	0.741	0.815	0.509		11.3	11.3	9.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-200 | Plot A85

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	B	1	0164R	1:1	-0.07	2592.99	518598	CW/SRS	12.0	10.99	Back	0	0.759	1.262	0.958	1.054	0.659	Plot	12.1	12.1	11.0
Body	NR Band n41	100	B	1	0164R	1:1	0.03	2592.99	518598	CW/SRS	12.0	10.99	Top	0	0.001	1.262	0.001	0.001	0.001		40.9		
Body	NR Band n41	100	B	1	0164R	1:1	-0.03	2592.99	518598	CW/SRS	12.0	10.99	Bottom	0	0.621	1.262	0.784	0.862	0.539		13.0		
Body	NR Band n41	100	B	1	0164R	1:1	0.01	2592.99	518598	CW/SRS	12.0	10.99	Right	0	0.041	1.262	0.052	0.057	0.036		24.8		
Body	NR Band n41	100	B	1	0164R	1:1	0.07	2592.99	518598	CW/SRS	12.0	10.99	Left	0	0.014	1.262	0.018	0.020	0.012		29.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	QPSK	B	2	0584M	1:1	0.04	2592.99	518598	DFT-s-OFDM	0.0	12.0	11.08	1	271	Back	0	0.433	1.236	0.535	0.589	0.367		14.7	14.7	11.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-201

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	H	1	0164R	1:1	-0.02	2592.99	518598	CW/SRS	8.0	7.30	Back	0	0.196	1.175	0.230	0.253	0.158		14.3	14.3	7.0
Body	NR Band n41	100	H	1	0164R	1:1	0.02	2592.99	518598	CW/SRS	8.0	7.30	Top	0	0.043	1.175	0.051	0.056	0.035		20.9		
Body	NR Band n41	100	H	1	0164R	1:1	0.02	2592.99	518598	CW/SRS	8.0	7.30	Bottom	0	0.003	1.175	0.004	0.004	0.003		32.5		
Body	NR Band n41	100	H	1	0164R	1:1	-0.05	2592.99	518598	CW/SRS	8.0	7.30	Right	0	0.194	1.175	0.228	0.251	0.157		14.4		
Body	NR Band n41	100	H	1	0164R	1:1	0.08	2592.99	518598	CW/SRS	8.0	7.30	Left	0	0.000	1.175	0.000	0.000	0.000		47.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	H	2	0584M	1:1	0.04	2592.99	518598	CW/SRS	8.0	7.68	Back	0	0.151	1.076	0.162	0.178	0.111		15.8	15.8	7.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-202

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	D	1	0164R	1:1	0.09	2592.99	518598	CW/SRS	8.0	7.48	Back	0	0.128	1.127	0.144	0.158	0.099		16.4	16.4	7.0
Body	NR Band n41	100	D	1	0164R	1:1	0.07	2592.99	518598	CW/SRS	8.0	7.48	Top	0	0.002	1.127	0.002	0.002	0.001		34.4		
Body	NR Band n41	100	D	1	0164R	1:1	0.07	2592.99	518598	CW/SRS	8.0	7.48	Bottom	0	0.011	1.127	0.012	0.013	0.009		27.0		
Body	NR Band n41	100	D	1	0146R	1:1	0.03	2592.99	518598	CW/SRS	8.0	7.48	Right	0	0.042	1.127	0.047	0.052	0.032		21.2		
Body	NR Band n41	100	D	1	0164R	1:1	0.09	2592.99	518598	CW/SRS	8.0	7.48	Left	0	0.000	1.127	0.000	0.000	0.000		47.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n41	100	D	2	0584M	1:1	0.04	2592.99	518598	CW/SRS	8.0	7.51	Back	0	0.086	1.119	0.096	0.106	0.066		18.1	18.1	7.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.8 NR Band n48 Standalone SAR

Table 12-203 | Plot A86

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.01	3679.98	645332	DFT-s-OFDM	0.0	21.0	19.86	1	104	Right Cheek	0	0.252	1.300	0.328	0.361	0.226		25.8	23.6	20.0
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	0.08	3679.98	645332	DFT-s-OFDM	0.0	21.0	19.87	50	56	Right Cheek	0	0.246	1.297	0.319	0.351	0.219		25.9		
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	0.11	3679.98	645332	DFT-s-OFDM	0.0	21.0	19.86	1	104	Right Tilt	0	0.398	1.300	0.517	0.569	0.355		23.8		
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	0.02	3679.98	645332	DFT-s-OFDM	0.0	21.0	19.87	50	56	Right Tilt	0	0.396	1.297	0.514	0.565	0.353		23.8		
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	0.11	3679.98	645332	CP-OFDM	0.0	21.0	19.83	1	1	Right Tilt	0	0.412	1.309	0.539	0.593	0.371	Plot	23.6		
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.10	3679.98	645332	DFT-s-OFDM	0.0	21.0	19.86	1	104	Left Cheek	0	0.151	1.300	0.196	0.216	0.135		28.0		
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.13	3679.98	645332	DFT-s-OFDM	0.0	21.0	19.87	50	56	Left Cheek	0	0.151	1.297	0.196	0.216	0.135		28.0		
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	21.0	19.86	1	104	Left Tilt	0	0.253	1.300	0.329	0.362	0.227		25.8		
Head	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.13	3679.98	645332	DFT-s-OFDM	0.0	21.0	19.87	50	56	Left Tilt	0	0.255	1.297	0.331	0.364	0.228		25.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	F	2	0590M	1:1	0.02	3570.00	638000	CW/SRS	21.0	19.46	Right Tilt	0	0.193	1.426	0.275	0.303	0.189		26.6	26.6	20.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-204

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.08	3570.00	638000	DFT-s-OFDM	0.0	24.5	24.28	1	104	Right Cheek	0	0.024	1.052	0.025	0.115	0.072		40.4	37.2	31.1
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.05	3570.00	638000	DFT-s-OFDM	0.0	24.5	24.12	50	28	Right Cheek	0	0.011	1.091	0.012	0.055	0.034		43.7		
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.07	3570.00	638000	DFT-s-OFDM	0.0	24.5	24.28	1	104	Right Tilt	0	0.008	1.052	0.008	0.038	0.024		45.2		
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.01	3570.00	638000	DFT-s-OFDM	0.0	24.5	24.12	50	28	Right Tilt	0	0.008	1.091	0.009	0.040	0.025		45.0		
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.05	3570.00	638000	DFT-s-OFDM	0.0	24.5	24.28	1	104	Left Cheek	0	0.040	1.052	0.042	0.192	0.120		38.2		
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.09	3570.00	638000	DFT-s-OFDM	0.0	24.5	24.12	50	28	Left Cheek	0	0.045	1.091	0.049	0.225	0.141		37.5		
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.02	3570.00	638000	CP-OFDM	1.5	23.0	22.77	1	1	Left Cheek	0	0.036	1.054	0.038	0.038	0.024		37.2		
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.05	3570.00	638000	DFT-s-OFDM	0.0	24.5	24.28	1	104	Left Tilt	0	0.040	1.052	0.042	0.192	0.120		38.2		
Head	NR Band n48	40	QPSK	C	2	0157R	1:1	0.03	3570.00	638000	DFT-s-OFDM	0.0	24.5	24.12	50	28	Left Tilt	0	0.038	1.091	0.041	0.190	0.119		38.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	C	1	0590M	1:1	0.01	3570.00	638000	CW/SRS	18.0	17.31	Left Cheek	0	0.002	1.172	0.002	0.002	0.001		44.2	44.2	17.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-205

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	G	1	0157R	1:1	0.02	3679.98	645332	CW/SRS	15.0	14.67	Right Cheek	0	0.050	1.079	0.054	0.059	0.037		27.6	27.6	14.0
Head	NR Band n48	40	G	1	0157R	1:1	-0.01	3679.98	645332	CW/SRS	15.0	14.67	Right Tilt	0	0.047	1.079	0.051	0.056	0.035		27.9		
Head	NR Band n48	40	G	1	0157R	1:1	0.01	3679.98	645332	CW/SRS	15.0	14.67	Left Cheek	0	0.043	1.079	0.046	0.051	0.032		28.3		
Head	NR Band n48	40	G	1	0157R	1:1	0.01	3679.98	645332	CW/SRS	15.0	14.67	Left Tilt	0	0.035	1.079	0.038	0.042	0.026		29.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	G	2	0590M	1:1	-0.05	3570.00	638000	CW/SRS	15.0	14.59	Right Cheek	0	0.078	1.099	0.086	0.095	0.059		25.6	25.6	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-206

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	A	1	0157R	1:1	0.05	3679.98	645332	CW/SRS	15.0	14.71	Right Cheek	0	0.000	1.069	0.000	0.000	0.000		54.7	35.6	14.0
Head	NR Band n48	40	A	1	0311M	1:1	0.02	3679.98	645332	CW/SRS	15.0	14.71	Right Tilt	0	0.000	1.069	0.000	0.000	0.000		54.7		
Head	NR Band n48	40	A	1	0157R	1:1	0.01	3679.98	645332	CW/SRS	15.0	14.71	Left Cheek	0	0.008	1.069	0.009	0.010	0.007		35.6		
Head	NR Band n48	40	A	1	0157R	1:1	0.01	3679.98	645332	CW/SRS	15.0	14.71	Left Tilt	0	0.005	1.069	0.005	0.010	0.003		37.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n48	40	A	2	0590M	1:1	0.01	3624.99	641666	CW/SRS	15.0	14.77	Left Cheek	0	0.003	1.054	0.003	0.003	0.002		39.9	39.9	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-207 | Plot A87

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	0.11	3570.00	638000	DFT-s-OFDM	0.0	19.0	17.43	1	104	Back	5	0.606	1.435	0.870	0.957	0.598		19.6	19.3	18.0
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	19.0	17.81	1	104	Back	5	0.671	1.315	0.882	0.970	0.606		19.5		
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	0.05	3679.98	645332	DFT-s-OFDM	0.0	19.0	18.00	1	104	Back	5	0.718	1.259	0.904	0.994	0.622		19.4		
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	0.09	3570.00	638000	DFT-s-OFDM	0.0	19.0	17.44	50	56	Back	5	0.612	1.432	0.876	0.964	0.603		19.5		
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	0.00	3624.99	641666	DFT-s-OFDM	0.0	19.0	17.85	50	0	Back	5	0.651	1.303	0.848	0.933	0.583		19.7		
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	19.0	18.01	50	56	Back	5	0.728	1.256	0.914	1.005	0.628	Plot	19.3		
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.03	3679.98	645332	DFT-s-OFDM	0.0	19.0	17.93	100	0	Back	5	0.724	1.279	0.926	1.019	0.637		19.3		
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.04	3679.98	645332	CP-OFDM	0.0	19.0	17.92	1	1	Back	5	0.704	1.282	0.903	0.993	0.620		19.4		
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.16	3679.98	645332	DFT-s-OFDM	0.0	19.0	18.00	1	104	Front	5	0.101	1.259	0.127	0.140	0.087		27.9		
Body-worn/Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.09	3679.98	645332	DFT-s-OFDM	0.0	19.0	18.01	50	56	Front	5	0.126	1.256	0.158	0.174	0.109		27.0		
Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.04	3679.98	645332	DFT-s-OFDM	0.0	19.0	18.00	1	104	Top	10	0.317	1.259	0.399	0.439	0.274		22.9		
Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	0.02	3679.98	645332	DFT-s-OFDM	0.0	19.0	18.01	50	56	Top	10	0.317	1.256	0.398	0.438	0.274		22.9		
Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	0.01	3679.98	645332	DFT-s-OFDM	0.0	19.0	18.00	1	104	Left	10	0.077	1.259	0.097	0.107	0.067		29.1		
Hotspot	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.20	3679.98	645332	DFT-s-OFDM	0.0	19.0	18.01	50	56	Left	10	0.082	1.256	0.103	0.113	0.070		28.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n48	40	F	2	0590M	1:1	0.04	3679.98	645332	CW/SRS	19.0	17.88	Back	5	0.369	1.294	0.477	0.525	0.328		22.2	22.2	18.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-208

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n48	40	QPSK	C	2	0590M	1:1	-0.03	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.50	1	1	Back	5	0.437	1.122	0.490	0.539	0.337		22.0	21.9	18.0
Body-worn/Hotspot	NR Band n48	40	QPSK	C	2	0590M	1:1	0.02	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.57	50	28	Back	5	0.433	1.104	0.478	0.526	0.329		22.2		
Body-worn/Hotspot	NR Band n48	40	QPSK	C	2	0590M	1:1	0.04	3624.99	641666	CP-OFDM	0.0	19.0	18.43	1	1	Back	5	0.442	1.140	0.504	0.554	0.347		21.9		
Body-worn/Hotspot	NR Band n48	40	QPSK	C	2	1777M	1:1	-0.01	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.50	1	1	Front	5	0.068	1.122	0.076	0.084	0.053		30.1		
Body-worn/Hotspot	NR Band n48	40	QPSK	C	2	1777M	1:1	0.09	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.57	50	28	Front	5	0.069	1.104	0.076	0.084	0.053		30.1		
Hotspot	NR Band n48	40	QPSK	C	2	1777M	1:1	-0.10	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.50	1	1	Bottom	10	0.193	1.122	0.217	0.239	0.150		25.6		
Hotspot	NR Band n48	40	QPSK	C	2	1777M	1:1	-0.09	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.57	50	28	Bottom	10	0.195	1.104	0.215	0.237	0.147		25.6		
Hotspot	NR Band n48	40	QPSK	C	2	1777M	1:1	-0.09	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.50	1	1	Right	10	0.014	1.122	0.016	0.018	0.011		37.0		
Hotspot	NR Band n48	40	QPSK	C	2	1777M	1:1	0.02	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.57	50	28	Right	10	0.016	1.104	0.018	0.020	0.012		36.5		
Hotspot	NR Band n48	40	QPSK	C	2	1777M	1:1	0.06	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.50	1	1	Left	10	0.020	1.122	0.022	0.024	0.015		35.4		
Hotspot	NR Band n48	40	QPSK	C	2	1777M	1:1	0.04	3624.99	641666	DFT-s-OFDM	0.0	19.0	18.57	50	28	Left	10	0.023	1.104	0.025	0.028	0.018		34.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n48	40	C	1	2236M	1:1	0.03	3570.00	638000	CW/SRS	18.0	17.31	Back	5	0.351	1.172	0.411	0.452	0.283		21.8	21.8	17.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-209

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n48	40	G	1	0157R	1:1	0.03	3679.98	645332	CW/SRS	15.0	14.67	Back	5	0.230	1.079	0.248	0.273	0.171		21.0	21.0	14.0
Body-worn/Hotspot	NR Band n48	40	G	1	0157R	1:1	0.01	3679.98	645332	CW/SRS	15.0	14.67	Front	5	0.024	1.079	0.026	0.029	0.018		30.8		
Hotspot	NR Band n48	40	G	1	0157R	1:1	0.09	3679.98	645332	CW/SRS	15.0	14.67	Top	10	0.075	1.079	0.081	0.089	0.056		25.9		
Hotspot	NR Band n48	40	G	1	0157R	1:1	0.02	3679.98	645332	CW/SRS	15.0	14.67	Right	10	0.014	1.079	0.015	0.017	0.010		33.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n48	40	G	2	0590M	1:1	0.18	3570.00	638000	CW/SRS	15.0	14.59	Back	5	0.149	1.099	0.164	0.180	0.113		22.8	22.8	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-210

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n48	40	A	1	0590M	1:1	0.07	3679.98	645332	CW/SRS	15.0	14.71	Back	5	0.161	1.069	0.172	0.189	0.119		22.6	22.6	14.0
Body-worn/Hotspot	NR Band n48	40	A	1	0157R	1:1	0.02	3679.98	645332	CW/SRS	15.0	14.71	Front	5	0.052	1.069	0.056	0.062	0.039		27.5		
Hotspot	NR Band n48	40	A	1	0157R	1:1	0.06	3679.98	645332	CW/SRS	15.0	14.71	Bottom	10	0.025	1.069	0.027	0.030	0.019		30.7		
Hotspot	NR Band n48	40	A	1	0157R	1:1	0.04	3679.98	645332	CW/SRS	15.0	14.71	Right	10	0.022	1.069	0.024	0.026	0.017		31.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n48	40	A	2	0590M	1:1	-0.08	3624.99	641666	CW/SRS	15.0	14.64	Back	5	0.104	1.086	0.113	0.124	0.078		24.4	24.4	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-211 | Plot A88

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	QPSK	F	1	0157R	1:1	0.00	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.10	1	104	Back	0	0.438	1.230	0.539	0.593	0.371		12.6	9.0	9.0
Body	NR Band n48	40	QPSK	F	1	0157R	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.11	50	28	Back	0	0.466	1.227	0.572	0.629	0.394		12.4		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.01	3570.00	638000	DFT-s-OFDM	0.0	10.0	8.55	1	104	Top	0	0.846	1.396	1.181	1.299	0.812		9.2		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.18	3624.99	641666	DFT-s-OFDM	0.0	10.0	9.08	1	1	Top	0	0.888	1.236	1.098	1.208	0.755		9.5		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.03	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.10	1	104	Top	0	0.926	1.230	1.139	1.253	0.783	Plot	9.4		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.03	3570.00	638000	DFT-s-OFDM	0.0	10.0	8.58	50	28	Top	0	0.895	1.387	1.241	1.365	0.854		9.0		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.01	3624.99	641666	DFT-s-OFDM	0.0	10.0	9.09	50	28	Top	0	0.866	1.233	1.068	1.175	0.735		9.7		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.05	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.11	50	28	Top	0	0.923	1.227	1.133	1.246	0.779		9.4		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	-0.03	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.09	100	0	Top	0	0.925	1.233	1.141	1.255	0.784		9.4		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.13	3679.98	645332	CP-OFDM	0.0	10.0	9.08	1	1	Top	0	0.920	1.236	1.137	1.251	0.782		9.4		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.01	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.10	1	104	Bottom	0	0.000	1.230	0.000	0.000	0.000		49.0		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.11	50	28	Bottom	0	0.000	1.227	0.000	0.000	0.000		49.1		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.02	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.10	1	104	Right	0	0.021	1.230	0.026	0.029	0.018		25.8		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.08	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.11	50	28	Right	0	0.023	1.227	0.028	0.031	0.020		25.4		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.04	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.10	1	104	Left	0	0.015	1.230	0.018	0.020	0.012		27.3		
Body	NR Band n48	40	QPSK	F	1	1777M	1:1	0.05	3679.98	645332	DFT-s-OFDM	0.0	10.0	9.11	50	28	Left	0	0.011	1.227	0.013	0.014	0.009		28.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Body 1.6 W/kg (mW/g) averaged over 1 gram								

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	F	2	0590M	1:1	-0.13	3624.99	641666	CW/SRS	10.0	9.43	Top	0	0.619	1.140	0.706	0.777	0.485		11.5	11.5	9.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-212

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	C	1	0590M	1:1	-0.06	3570.00	638000	CW/SRS	10.0	9.63	Back	0	0.548	1.089	0.597	0.657	0.410		12.2	12.2	9.0
Body	NR Band n48	40	C	1	0157R	1:1	0.07	3570.00	638000	CW/SRS	10.0	9.63	Top	0	0.004	1.089	0.004	0.004	0.003		33.6		
Body	NR Band n48	40	C	1	0157R	1:1	-0.09	3570.00	638000	CW/SRS	10.0	9.63	Bottom	0	0.470	1.089	0.512	0.563	0.352		12.9		
Body	NR Band n48	40	C	1	0157R	1:1	0.18	3570.00	638000	CW/SRS	10.0	9.63	Right	0	0.011	1.089	0.012	0.013	0.009		29.2		
Body	NR Band n48	40	C	1	0157R	1:1	0.07	3570.00	638000	CW/SRS	10.0	9.63	Left	0	0.008	1.089	0.009	0.010	0.007		30.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	C	2	0590M	1:1	-0.05	3624.99	641666	DFT-s-OFDM	0.0	10.0	9.72	50	28	Back	0	0.334	1.067	0.356	0.392	0.245		14.4	14.4	9.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																			Body 1.6 W/kg (mW/g) averaged over 1 gram								

Table 12-213

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	G	1	0157R	1:1	0.01	3679.98	645332	CW/SRS	8.0	7.78	Back	0	0.395	1.052	0.416	0.458	0.286		11.8	10.6	7.0
Body	NR Band n48	40	G	1	0157R	1:1	0.00	3679.98	645332	CW/SRS	8.0	7.78	Top	0	0.514	1.052	0.541	0.595	0.372		10.6		
Body	NR Band n48	40	G	1	0157R	1:1	0.01	3679.98	645332	CW/SRS	8.0	7.78	Bottom	0	0.005	1.052	0.005	0.006	0.003		30.7		
Body	NR Band n48	40	G	1	0157R	1:1	0.06	3679.98	645332	CW/SRS	8.0	7.78	Right	0	0.029	1.052	0.031	0.034	0.021		23.1		
Body	NR Band n48	40	G	1	0157R	1:1	0.01	3679.98	645332	CW/SRS	8.0	7.78	Left	0	0.010	1.052	0.011	0.012	0.008		27.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	G	2	0590M	1:1	-0.02	3570.00	638000	CW/SRS	8.0	7.57	Top	0	0.485	1.104	0.535	0.589	0.367		10.7	10.7	7.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-214

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	A	1	0157R	1:1	-0.02	3624.99	641666	CW/SRS	8.0	7.68	Back	0	0.269	1.076	0.289	0.318	0.199		13.3	13.3	7.0
Body	NR Band n48	40	A	1	0157R	1:1	0.03	3624.99	641666	CW/SRS	8.0	7.68	Top	0	0.000	1.076	0.000	0.000	0.000		47.6		
Body	NR Band n48	40	A	1	0157R	1:1	0.02	3624.99	641666	CW/SRS	8.0	7.68	Bottom	0	0.000	1.076	0.000	0.000	0.000		47.6		
Body	NR Band n48	40	A	1	0157R	1:1	0.01	3624.99	641666	CW/SRS	8.0	7.68	Right	0	0.062	1.076	0.067	0.074	0.046		19.7		
Body	NR Band n48	40	A	1	0157R	1:1	0.08	3624.99	641666	CW/SRS	8.0	7.68	Left	0	0.000	1.076	0.000	0.000	0.000		47.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n48	40	A	2	0590M	1:1	0.03	3624.99	641666	CW/SRS	8.0	7.87	Back	0	0.215	1.030	0.221	0.243	0.152		14.5	14.5	7.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.9 NR Band n77 Standalone SAR

Table 12-215 | Plot A89

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	0.16	3750.00	650000	DFT-s-OFDM	0.0	21.0	19.82	1	1	Right Cheek	0	0.160	1.312	0.210	0.231	0.144		27.7	25.6	20.0
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.05	3750.00	650000	DFT-s-OFDM	0.0	21.0	19.79	135	0	Right Cheek	0	0.150	1.321	0.198	0.218	0.136		28.0		
Head	NR Band n77 DoD	100	QPSK	F	1	0157R	1:1	0.01	3500.01	633334	DFT-s-OFDM	0.0	21.0	19.87	1	1	Right Tilt	0	0.263	1.297	0.341	0.375	0.234	Plot	25.6		
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	21.0	19.82	1	1	Right Tilt	0	0.217	1.312	0.285	0.314	0.196		26.4		
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.01	3750.00	650000	DFT-s-OFDM	0.0	21.0	19.79	135	0	Right Tilt	0	0.204	1.321	0.269	0.296	0.185		26.6		
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	0.03	3750.00	650000	CP-OFDM	0.0	21.0	19.73	1	1	Right Tilt	0	0.233	1.340	0.312	0.343	0.215		26.0		
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.04	3750.00	650000	DFT-s-OFDM	0.0	21.0	19.82	1	1	Left Cheek	0	0.132	1.312	0.173	0.190	0.119		28.6		
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	0.12	3750.00	650000	DFT-s-OFDM	0.0	21.0	19.79	135	0	Left Cheek	0	0.135	1.321	0.178	0.196	0.122		28.4		
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.05	3750.00	650000	DFT-s-OFDM	0.0	21.0	19.82	1	1	Left Tilt	0	0.188	1.312	0.247	0.272	0.169		27.0		
Head	NR Band n77	100	QPSK	F	1	0157R	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	21.0	19.79	135	0	Left Tilt	0	0.178	1.321	0.235	0.259	0.162		27.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77	100	F	2	0590M	1:1	-0.07	3930.00	662000	CW/SRS	21.0	20.16	Right Tilt	0	0.226	1.213	0.274	0.301	0.188		26.6	26.6	20.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-216

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	0.08	3750.00	650000	DFT-s-OFDM	0.0	26.0	25.37	1	1	Right Cheek	0	0.013	1.156	0.015	0.015	0.009		44.2	40.2	25.0
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	0.04	3750.00	650000	DFT-s-OFDM	0.0	26.0	25.10	135	69	Right Cheek	0	0.018	1.230	0.022	0.022	0.014		42.5		
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	0.04	3750.00	650000	DFT-s-OFDM	0.0	26.0	25.37	1	1	Right Tilt	0	0.027	1.156	0.031	0.031	0.019		41.0		
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	-0.14	3750.00	650000	DFT-s-OFDM	0.0	26.0	25.10	135	69	Right Tilt	0	0.023	1.230	0.028	0.028	0.018		41.4		
Head	NR Band n77 DoD	100	QPSK	C	2	0163R	1:1	0.06	3500.01	633334	DFT-s-OFDM	0.0	26.0	25.07	1	271	Left Cheek	0	0.020	1.239	0.025	0.025	0.016		42.0		
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	26.0	25.37	1	1	Left Cheek	0	0.026	1.156	0.030	0.030	0.019		41.2		
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	0.21	3750.00	650000	DFT-s-OFDM	0.0	26.0	25.10	135	69	Left Cheek	0	0.026	1.230	0.032	0.032	0.020		40.9		
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	0.08	3750.00	650000	CP-OFDM	0.5	25.5	24.53	1	1	Left Cheek	0	0.027	1.250	0.034	0.034	0.021		40.2		
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	0.08	3750.00	650000	DFT-s-OFDM	0.0	26.0	25.37	1	1	Left Tilt	0	0.017	1.156	0.020	0.020	0.013		43.0		
Head	NR Band n77	100	QPSK	C	2	0163R	1:1	-0.11	3750.00	650000	DFT-s-OFDM	0.0	26.0	25.10	135	69	Left Tilt	0	0.015	1.230	0.018	0.018	0.011		43.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77	100	C	1	0590M	1:1	0.03	3500.01	633334	CW/SRS	18.5	18.13	Left Cheek	0	0.000	1.089	0.000	0.000	0.000		58.1	58.1	17.5
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-217

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77	100	G	1	0163R	1:1	0.08	3930.00	662000	CW/SRS	15.0	14.43	Right Cheek	0	0.045	1.140	0.051	0.056	0.035		27.8	24.3	14.0
Head	NR Band n77	100	G	1	0163R	1:1	0.05	3930.00	662000	CW/SRS	15.0	14.43	Right Tilt	0	0.049	1.140	0.056	0.062	0.039		27.5		
Head	NR Band n77 DoD	100	G	1	0163R	1:1	-0.11	3500.01	633334	CW/SRS	15.0	14.25	Left Cheek	0	0.097	1.189	0.115	0.127	0.079		24.3		
Head	NR Band n77	100	G	1	0163R	1:1	-0.17	3930.00	662000	CW/SRS	15.0	14.43	Left Cheek	0	0.053	1.140	0.060	0.066	0.042		27.1		
Head	NR Band n77	100	G	1	0163R	1:1	0.04	3930.00	662000	CW/SRS	15.0	14.43	Left Tilt	0	0.024	1.140	0.027	0.030	0.019		30.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77 DoD	100	G	2	0590M	1:1	0.03	3500.01	633334	CW/SRS	15.0	14.76	Left Cheek	0	0.017	1.057	0.018	0.020	0.012		32.4	32.4	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-218

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77	100	A	1	0163R	1:1	0.01	3750.00	650000	CW/SRS	15.0	13.46	Right Cheek	0	0.000	1.426	0.000	0.000	0.000		53.4	53.4	14.0
Head	NR Band n77	100	A	1	0163R	1:1	0.07	3750.00	650000	CW/SRS	15.0	13.46	Right Tilt	0	0.000	1.426	0.000	0.000	0.000		53.4		
Head	NR Band n77 DoD	100	A	1	0163R	1:1	0.08	3500.01	633334	CW/SRS	15.0	14.70	Left Cheek	0	0.000	1.072	0.000	0.000	0.000		54.6		
Head	NR Band n77	100	A	1	0163R	1:1	0.06	3750.00	650000	CW/SRS	15.0	13.46	Left Cheek	0	0.000	1.426	0.000	0.000	0.000		53.4		
Head	NR Band n77	100	A	1	0163R	1:1	0.04	3750.00	650000	CW/SRS	15.0	13.46	Left Tilt	0	0.000	1.426	0.000	0.000	0.000		53.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	NR Band n77	100	A	2	0590M	1:1	0.01	3930.00	662000	CW/SRS	15.0	14.20	Left Cheek	0	0.000	1.202	0.000	0.000	0.000		54.2	54.2	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-219

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n77 DoD	100	QPSK	F	1	0157R	1:1	0.02	3500.01	633334	DFT-s-OFDM	0.0	19.5	18.30	1	1	Back	5	0.661	1.318	0.871	0.958	0.598		20.0	19.6	18.5
Body-worn/Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.01	3750.00	650000	DFT-s-OFDM	0.0	19.5	18.36	1	1	Back	5	0.736	1.300	0.957	1.053	0.658		19.6		
Body-worn/Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	0.05	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.48	1	1	Back	5	0.590	1.265	0.746	0.821	0.513		20.7		
Body-worn/Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.03	3750.00	650000	DFT-s-OFDM	0.0	19.5	18.29	135	0	Back	5	0.709	1.321	0.937	1.031	0.645		19.7		
Body-worn/Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.31	135	0	Back	5	0.578	1.315	0.760	0.836	0.523		20.6		
Body-worn/Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.30	270	0	Back	5	0.624	1.318	0.822	0.904	0.565		20.3		
Body-worn/Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.05	3930.00	662000	CP-OFDM	0.0	19.5	18.30	1	1	Back	5	0.651	1.318	0.858	0.944	0.590		20.1		
Body-worn/Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.04	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.48	1	1	Front	5	0.065	1.265	0.082	0.090	0.056		30.3		
Body-worn/Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.15	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.31	135	0	Front	5	0.068	1.315	0.089	0.098	0.062		29.9		
Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	0.04	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.48	1	1	Top	10	0.210	1.265	0.266	0.293	0.183		25.2		
Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	0.01	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.31	135	0	Top	10	0.195	1.315	0.256	0.282	0.176		25.4		
Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	0.04	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.48	1	1	Left	10	0.028	1.265	0.035	0.039	0.024		34.0		
Hotspot	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.17	3930.00	662000	DFT-s-OFDM	0.0	19.5	18.31	135	0	Left	10	0.027	1.315	0.036	0.040	0.025		33.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram										
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n77	100	F	2	0590M	1:1	-0.02	3930.00	662000	CW/SRS	19.5	18.74	Back	5	0.623	1.191	0.742	0.816	0.510		20.7	20.7	18.5
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-220 | Plot A90

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn//Hotspot	NR Band n77 DoD	100	C	1	0163R	1:1	0.12	3500.01	633334	CW/SRS	18.5	18.13	Back	5	0.765	1.089	0.833	0.916	0.573	Plot	19.2	19.0	17.5
Body-worn/Hotspot	NR Band n77	100	C	1	0163R	1:1	0.02	3750.00	650000	CW/SRS	18.5	17.45	Back	5	0.698	1.274	0.889	0.978	0.612		19.0		
Body-worn/Hotspot	NR Band n77	100	C	1	0163R	1:1	0.04	3930.00	662000	CW/SRS	18.5	18.04	Back	5	0.705	1.112	0.784	0.862	0.539		19.5		
Body-worn/Hotspot	NR Band n77	100	C	1	0163R	1:1	0.04	3930.00	662000	CW/SRS	18.5	18.04	Front	5	0.063	1.112	0.070	0.077	0.048		30.0		
Hotspot	NR Band n77	100	C	1	0163R	1:1	-0.17	3930.00	662000	CW/SRS	18.5	18.04	Bottom	10	0.179	1.112	0.199	0.219	0.136		25.5		
Hotspot	NR Band n77	100	C	1	0163R	1:1	0.01	3930.00	662000	CW/SRS	18.5	18.04	Right	10	0.027	1.112	0.030	0.033	0.021		33.7		
Hotspot	NR Band n77	100	C	1	0163R	1:1	0.01	3930.00	662000	CW/SRS	18.5	18.04	Left	10	0.026	1.112	0.029	0.032	0.020		33.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										
Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n77 DoD	100	QPSK	C	2	0590M	1:1	0.07	3500.01	633334	CP-OFDM	0.0	18.5	17.50	1	1	Back	5	0.464	1.259	0.584	0.642	0.402		20.8	20.8	17.5
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-221

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n77 DoD	100	G	1	0163R	1:1	0.02	3500.01	633334	CW/SRS	15.0	14.25	Back	5	0.199	1.189	0.237	0.261	0.163		21.2	19.9	14.0
Body-worn/Hotspot	NR Band n77	100	G	1	0163R	1:1	0.00	3930.00	662000	CW/SRS	15.0	14.43	Back	5	0.278	1.140	0.317	0.349	0.218		19.9		
Body-worn/Hotspot	NR Band n77	100	G	1	0163R	1:1	0.09	3930.00	662000	CW/SRS	15.0	14.43	Front	5	0.045	1.140	0.051	0.056	0.035		27.8		
Hotspot	NR Band n77	100	G	1	0163R	1:1	-0.06	3930.00	662000	CW/SRS	15.0	14.43	Top	10	0.086	1.140	0.098	0.108	0.067		25.0		
Hotspot	NR Band n77	100	G	1	0163R	1:1	0.07	3930.00	662000	CW/SRS	15.0	14.43	Right	10	0.004	1.140	0.005	0.006	0.003		38.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										
Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n77 DoD	100	G	2	0590M	1:1	-0.06	3500.01	633334	CW/SRS	15.0	14.76	Back	5	0.127	1.057	0.134	0.147	0.092		23.7	23.7	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-222

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n77 DoD	100	A	1	0163R	1:1	0.02	3500.01	633334	CW/SRS	15.0	14.70	Back	5	0.314	1.072	0.337	0.371	0.232		19.7	19.6	14.0
Body-worn/Hotspot	NR Band n77	100	A	1	0163R	1:1	0.05	3750.00	650000	CW/SRS	15.0	13.46	Back	5	0.241	1.426	0.344	0.378	0.237		19.6		
Body-worn/Hotspot	NR Band n77	100	A	1	0163R	1:1	0.06	3750.00	650000	CW/SRS	15.0	13.46	Front	5	0.037	1.426	0.053	0.058	0.036		27.7		
Hotspot	NR Band n77	100	A	1	0163R	1:1	0.08	3750.00	650000	CW/SRS	15.0	13.46	Bottom	10	0.041	1.426	0.058	0.064	0.040		27.3		
Hotspot	NR Band n77	100	A	1	0163R	1:1	0.01	3750.00	650000	CW/SRS	15.0	13.46	Right	10	0.022	1.426	0.031	0.034	0.021		30.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	NR Band n77	100	A	2	0590M	1:1	-0.12	3930.00	662000	CW/SRS	15.0	14.20	Back	5	0.081	1.202	0.097	0.107	0.067		25.1	25.1	14.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-223

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.09	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.40	1	1	Back	0	0.612	1.288	0.788	0.867	0.542		11.5	10.6	9.5
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.16	3930.00	662000	DFT-s-OFDM	0.0	10.5	9.23	1	1	Back	0	0.476	1.340	0.638	0.702	0.439		12.4		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.26	135	0	Back	0	0.562	1.330	0.747	0.822	0.514		11.7		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.05	3930.00	662000	DFT-s-OFDM	0.0	10.5	9.16	135	0	Back	0	0.449	1.361	0.611	0.672	0.420		12.6		
Body	NR Band n77	100	QPSK	F	1	0163R	1:1	0.01	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.17	270	0	Back	0	0.450	1.358	0.611	0.672	0.420		12.6		
Body	NR Band n77 DoD	100	QPSK	F	1	0157R	1:1	-0.06	3500.01	633334	DFT-s-OFDM	0.0	10.5	9.38	1	1	Top	0	0.749	1.294	0.969	1.066	0.667		10.6		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.05	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.40	1	1	Top	0	0.654	1.288	0.842	0.926	0.579		11.2		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.11	3930.00	662000	DFT-s-OFDM	0.0	10.5	9.23	1	1	Top	0	0.520	1.340	0.697	0.767	0.480		12.0		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.09	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.26	135	0	Top	0	0.613	1.330	0.815	0.897	0.560		11.3		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.04	3930.00	662000	DFT-s-OFDM	0.0	10.5	9.16	135	0	Top	0	0.494	1.361	0.672	0.739	0.462		12.2		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.03	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.17	270	0	Top	0	0.564	1.358	0.766	0.843	0.527		11.6		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	-0.05	3750.00	650000	CP-OFDM	0.0	10.5	9.21	1	1	Top	0	0.683	1.346	0.919	1.011	0.631		10.8		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.09	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.40	1	1	Bottom	0	0.000	1.288	0.000	0.000	0.000		49.4		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.26	135	0	Bottom	0	0.000	1.330	0.000	0.000	0.000		49.2		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.02	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.40	1	1	Right	0	0.003	1.288	0.004	0.004	0.003		34.6		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.08	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.26	135	0	Right	0	0.000	1.330	0.000	0.000	0.000		49.2		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.09	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.40	1	1	Left	0	0.018	1.288	0.023	0.025	0.015		26.8		
Body	NR Band n77	100	QPSK	F	1	0157R	1:1	0.06	3750.00	650000	DFT-s-OFDM	0.0	10.5	9.26	135	0	Left	0	0.014	1.330	0.019	0.021	0.013		27.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n77	100	F	2	0590M	1:1	-0.06	3930.00	662000	CW/SRS	10.5	10.07	Top	0	0.657	1.104	0.725	0.798	0.498		11.8	11.8	9.5
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-224 | Plot A91

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n77	100	C	1	0163R	1:1	-0.02	3750.00	650000	CW/SRS	11.0	9.96	Back	0	0.617	1.271	0.784	0.862	0.539		12.0	11.5	10.0
Body	NR Band n77	100	C	1	0163R	1:1	0.03	3930.00	662000	CW/SRS	11.0	10.60	Back	0	0.665	1.096	0.729	0.802	0.502		12.3		
Body	NR Band n77	100	C	1	0163R	1:1	0.05	3930.00	662000	CW/SRS	11.0	10.60	Top	0	0.005	1.096	0.005	0.006	0.003		33.6		
Body	NR Band n77 DoD	100	C	1	0163R	1:1	-0.17	3500.01	633334	CW/SRS	11.0	10.54	Bottom	0	0.611	1.112	0.679	0.747	0.466		12.6		
Body	NR Band n77	100	C	1	0163R	1:1	0.00	3750.00	650000	CW/SRS	11.0	9.96	Bottom	0	0.642	1.271	0.816	0.898	0.561		11.8		
Body	NR Band n77	100	C	1	0163R	1:1	-0.02	3930.00	662000	CW/SRS	11.0	10.60	Bottom	0	0.812	1.096	0.890	0.979	0.612	Plot	11.5		
Body	NR Band n77	100	C	1	0163R	1:1	-0.01	3930.00	662000	CW/SRS	11.0	10.60	Bottom	0	0.795	1.096	0.871	0.958	0.598		11.5		
Body	NR Band n77	100	C	1	0163R	1:1	0.05	3930.00	662000	CW/SRS	11.0	10.60	Right	0	0.020	1.096	0.022	0.024	0.015		27.5		
Body	NR Band n77	100	C	1	0163R	1:1	0.05	3930.00	662000	CW/SRS	11.0	10.60	Left	0	0.005	1.096	0.005	0.006	0.003		33.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Note: Blue entry represents variability measurement

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	MPR [dB]	Max Allowed Power [dBm]	Conducted Power [dBm]	RB Size	RB Offset	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n77	100	QPSK	C	2	0590M	1:1	-0.05	3750.00	650000	CP-OFDM	0.0	11.0	10.91	1	1	Bottom	0	0.368	1.021	0.376	0.414	0.259		15.2	15.2	10.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram										

Table 12-225

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n77	100	G	1	0163R	1:1	0.05	3750.00	650000	CW/SRS	8.0	6.40	Back	0	0.264	1.445	0.381	0.419	0.262		12.1	9.1	7.0
Body	NR Band n77	100	G	1	0163R	1:1	0.10	3930.00	662000	CW/SRS	8.0	7.32	Back	0	0.512	1.169	0.599	0.659	0.411		10.2		
Body	NR Band n77 DoD	100	G	1	0163R	1:1	-0.06	3500.01	633334	CW/SRS	8.0	7.35	Top	0	0.403	1.161	0.468	0.515	0.322		11.2		
Body	NR Band n77	100	G	1	0163R	1:1	0.01	3750.00	650000	CW/SRS	8.0	6.40	Top	0	0.484	1.445	0.699	0.769	0.481		9.5		
Body	NR Band n77	100	G	1	0163R	1:1	0.00	3930.00	662000	CW/SRS	8.0	7.32	Top	0	0.651	1.169	0.761	0.837	0.524		9.1		
Body	NR Band n77	100	G	1	0163R	1:1	0.08	3930.00	662000	CW/SRS	8.0	7.32	Bottom	0	0.000	1.169	0.000	0.000	0.000		47.3		
Body	NR Band n77	100	G	1	0163R	1:1	0.01	3930.00	662000	CW/SRS	8.0	7.32	Right	0	0.020	1.169	0.023	0.025	0.015		24.3		
Body	NR Band n77	100	G	1	0163R	1:1	0.05	3930.00	662000	CW/SRS	8.0	7.32	Left	0	0.000	1.169	0.000	0.000	0.000		47.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n77 DoD	100	G	2	0590M	1:1	0.04	3500.01	633334	CW/SRS	8.0	7.66	Top	0	0.304	1.081	0.329	0.362	0.227		12.8	12.8	7.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-226

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n77 DoD	100	A	1	0163R	1:1	0.09	3500.01	633334	CW/SRS	8.0	7.65	Back	0	0.353	1.084	0.383	0.421	0.263		12.1	12.1	7.0
Body	NR Band n77	100	A	1	0163R	1:1	0.02	3750.00	650000	CW/SRS	8.0	6.54	Back	0	0.260	1.400	0.364	0.400	0.251		12.3		
Body	NR Band n77	100	A	1	0163R	1:1	0.01	3750.00	650000	CW/SRS	8.0	6.54	Top	0	0.000	1.400	0.000	0.000	0.000		46.5		
Body	NR Band n77	100	A	1	0163R	1:1	0.01	3750.00	650000	CW/SRS	8.0	6.54	Bottom	0	0.118	1.400	0.165	0.182	0.113		15.8		
Body	NR Band n77	100	A	1	0163R	1:1	0.08	3750.00	650000	CW/SRS	8.0	6.54	Right	0	0.065	1.400	0.091	0.100	0.063		18.4		
Body	NR Band n77	100	A	1	0163R	1:1	0.02	3750.00	650000	CW/SRS	8.0	6.54	Left	0	0.000	1.400	0.000	0.000	0.000		46.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

Exposure	Band / Mode	Bandwidth [MHz]	Ant.	Path	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Waveform	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	NR Band n77	100	A	2	0590M	1:1	-0.05	3930.00	662000	CW/SRS	8.0	7.51	Back	0	0.141	1.119	0.158	0.174	0.109		16.0	16.0	7.0
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram										

12.10 NTN Band 255 Standalone SAR

Table 12-227 | Plot A92

Exposure	Band / Mode	Service / Modulation	Ant.	Accessory	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Tone	Tone Start	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body-worn	NTN Band 255	QPSK	G	N/A	0070M	100.00	0.03	1626.60	261505	21.0	19.89	1	6	Back	5	1.330	1.291	0.710	1.219	0.762	
Body-worn	NTN Band 255	QPSK	G	N/A	0070M	100.00	0.02	1643.50	261674	21.0	19.62	1	6	Back	5	1.390	1.374	0.710	1.356	0.848	Plot
Body-worn	NTN Band 255	QPSK	G	N/A	0070M	100.00	0.02	1643.50	261674	21.0	19.62	1	6	Back	5	1.300	1.374	0.710	1.229	0.768	
Body-worn	NTN Band 255	QPSK	G	Headset	0070M	100.00	-0.02	1643.50	261674	21.0	19.62	1	6	Back	5	1.300	1.374	0.710	1.268	0.793	
Body-worn	NTN Band 255	QPSK	G	N/A	0070M	100.00	0.00	1660.40	261843	21.0	19.56	1	6	Back	5	1.250	1.393	0.710	1.236	0.773	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram								

Note: Blue entry represents variability measurement

Table 12-228 | Plot A93

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Tone	Tone Start	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Exposure Ratio (10g SAR)	Plot #
Phablet	NTN Band 255	QPSK	G	0070M	1:1	0.02	1626.60	261505	21.0	19.89	1	6	Back	0	1.590	1.291	0.710	1.457	0.364	
Phablet	NTN Band 255	QPSK	G	0070M	1:1	-0.02	1643.50	261674	21.0	19.62	1	6	Back	0	1.660	1.374	0.710	1.619	0.405	
Phablet	NTN Band 255	QPSK	G	0070M	1:1	0.06	1660.40	261843	21.0	19.56	1	6	Back	0	1.550	1.393	0.710	1.533	0.383	
Phablet	NTN Band 255	QPSK	G	0070M	1:1	0.00	1626.60	261505	21.0	19.89	1	6	Top	0	1.850	1.291	0.710	1.696	0.424	
Phablet	NTN Band 255	QPSK	G	0070M	1:1	0.01	1643.50	261674	21.0	19.62	1	6	Top	0	1.870	1.374	0.710	1.824	0.456	
Phablet	NTN Band 255	QPSK	G	0070M	1:1	0.02	1660.40	261843	21.0	19.56	1	6	Top	0	1.870	1.393	0.710	1.849	0.462	Plot
Phablet	NTN Band 255	QPSK	G	0070M	1:1	0.06	1626.60	261505	25.0	24.96	1	6	Back	9	0.119	1.009	0.710	0.085	0.021	
Phablet	NTN Band 255	QPSK	G	0070M	1:1	-0.08	1626.60	261505	25.0	24.96	1	6	Front	0	0.170	1.009	0.710	0.122	0.031	
Phablet	NTN Band 255	QPSK	G	0070M	1:1	0.03	1626.60	261505	25.0	24.96	1	6	Top	11	0.095	1.009	0.710	0.068	0.017	
Phablet	NTN Band 255	QPSK	G	0070M	1:1	-0.02	1626.60	261505	25.0	24.96	1	6	Right	0	0.132	1.009	0.710	0.095	0.024	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Phablet 4.0 W/kg (mW/g) averaged over 10 grams							

Table 12-229 | Plot A94

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Max Allowed Power [dBm]	Conducted Power [dBm]	Tone	Tone Start	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #
Body	NTN Band 255	QPSK	G	0070M	100.00	0.08	1626.60	261505	14.0	13.43	1	6	Back	0	0.822	1.140	0.710	0.665	0.416	
Body	NTN Band 255	QPSK	G	0070M	100.00	0.03	1643.50	261674	14.0	13.51	1	6	Back	0	0.840	1.119	0.710	0.667	0.417	
Body	NTN Band 255	QPSK	G	0070M	100.00	0.06	1660.40	261843	14.0	13.65	1	6	Back	0	0.801	1.084	0.710	0.616	0.385	
Body	NTN Band 255	QPSK	G	0070M	100.00	0.04	1626.60	261505	14.0	13.43	1	6	Top	0	0.826	1.140	0.710	0.669	0.418	
Body	NTN Band 255	QPSK	G	0070M	100.00	-0.01	1643.50	261674	14.0	13.51	1	6	Top	0	0.938	1.119	0.710	0.745	0.466	
Body	NTN Band 255	QPSK	G	0070M	100.00	0.04	1660.40	261843	14.0	13.65	1	6	Top	0	0.951	1.084	0.710	0.732	0.458	Plot
Body	NTN Band 255	QPSK	G	0070M	100.00	0.02	1626.60	261505	25.0	24.96	1	6	Back	10	0.164	1.009	0.710	0.117	0.073	
Body	NTN Band 255	QPSK	G	0070M	100.00	-0.05	1626.60	261505	25.0	24.96	1	6	Top	13	0.106	1.009	0.710	0.076	0.048	
Body	NTN Band 255	QPSK	G	0070M	100.00	0.02	1626.60	261505	25.0	24.96	1	6	Bottom	0	0.012	1.009	0.710	0.009	0.006	
Body	NTN Band 255	QPSK	G	0070M	100.00	-0.01	1626.60	261505	25.0	24.96	1	6	Right	0	0.349	1.009	0.710	0.250	0.156	
Body	NTN Band 255	QPSK	G	0070M	100.00	0.03	1626.60	261505	25.0	24.96	1	6	Left	0	0.008	1.009	0.710	0.006	0.004	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram							

12.11 2.4 GHz WIFI SISO Standalone SAR

Table 12-230

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0167M	98.74	0.01	2437.00	6	1.0	20.0	19.99	Right Cheek	0	0.106	1.002	1.013	0.108	0.982	0.614		29.6	29.6	29.6
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0167M	98.74	0.07	2437.00	6	1.0	20.0	19.99	Right Tilt	0	0.024	1.002	1.013	0.024	0.222	0.139		36.1		
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0167M	98.74	0.03	2437.00	6	1.0	20.0	19.99	Left Cheek	0	0.100	1.002	1.013	0.102	0.926	0.579		29.9		
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0167M	98.74	0.03	2437.00	6	1.0	20.0	19.99	Left Tilt	0	0.054	1.002	1.013	0.055	0.500	0.313		32.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram										

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-231

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0167M	99.16	-0.14	2437.00	6	1.0	20.0	19.75	Right Cheek	0	0.135	1.059	1.008	0.144	0.690	0.431		28.4	26.8	26.8
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0167M	99.16	0.01	2437.00	6	1.0	20.0	19.75	Right Tilt	0	0.156	1.059	1.008	0.167	0.797	0.498		27.7		
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0167M	99.16	0.05	2437.00	6	1.0	20.0	19.75	Left Cheek	0	0.167	1.059	1.008	0.178	0.853	0.533		27.4		
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0167M	99.16	-0.05	2437.00	6	1.0	20.0	19.75	Left Tilt	0	0.194	1.059	1.008	0.207	0.991	0.619		26.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-232

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0167M	98.74	0.00	2412.00	1	1.0	18.0	17.03	Back	5	0.597	1.250	1.013	0.756	0.832	0.520		19.2	18.8	17.0
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0167M	98.74	0.00	2437.00	6	1.0	18.0	16.99	Back	5	0.648	1.262	1.013	0.828	0.911	0.570		18.8		
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0125M	98.74	0.01	2462.00	11	1.0	18.0	17.67	Back	5	0.623	1.079	1.013	0.681	0.749	0.469		19.6		
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0167M	98.74	-0.07	2462.00	11	1.0	18.0	17.67	Front	5	0.093	1.079	1.013	0.102	0.112	0.070		27.9		
Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0167M	98.74	0.04	2462.00	11	1.0	18.0	17.67	Right	10	0.185	1.079	1.013	0.202	0.222	0.139		24.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-233

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0167M	99.16	0.00	2412.00	1	1.0	18.0	16.91	Back	5	0.297	1.285	1.008	0.385	0.424	0.265		22.1	22.1	17.0
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0167M	99.16	-0.10	2412.00	1	1.0	18.0	16.91	Front	5	0.084	1.285	1.008	0.109	0.120	0.075		27.6		
Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0167M	99.16	-0.03	2412.00	1	1.0	18.0	16.91	Top	10	0.133	1.285	1.008	0.172	0.189	0.119		25.6		
Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0167M	99.16	0.02	2412.00	1	1.0	18.0	16.91	Left	10	0.014	1.285	1.008	0.018	0.020	0.012		35.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-234 | Plot A97

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	-0.03	2412.00	1	1.0	13.0	12.42	Back	0	0.894	1.143	1.013	1.035	1.139	0.712		12.8	12.2	12.0
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	0.02	2437.00	6	1.0	13.0	12.43	Back	0	0.861	1.140	1.013	0.994	1.093	0.683		13.0		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	0.04	2462.00	11	1.0	13.0	12.96	Back	0	1.150	1.009	1.013	1.175	1.293	0.807	Plot	12.2		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0127M	98.74	-0.02	2462.00	11	1.0	13.0	12.96	Back	0	1.139	1.009	1.013	1.155	1.271	0.794		12.3		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	0.08	2462.00	11	1.0	13.0	12.96	Top	0	0.059	1.009	1.013	0.060	0.066	0.042		25.1		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	0.04	2462.00	11	1.0	13.0	12.96	Bottom	0	0.009	1.009	1.013	0.009	0.010	0.007		33.3		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	0.01	2412.00	1	1.0	13.0	12.42	Right	0	0.646	1.143	1.013	0.748	0.823	0.515		14.2		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	-0.04	2437.00	6	1.0	13.0	12.43	Right	0	0.672	1.140	1.013	0.776	0.854	0.534		14.1		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	-0.04	2462.00	11	1.0	13.0	12.96	Right	0	0.826	1.009	1.013	0.844	0.928	0.581		13.7		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	H	0081M	98.74	0.05	2462.00	11	1.0	13.0	12.96	Left	0	0.002	1.009	1.013	0.002	0.002	0.001		39.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Blue entry represents variability measurement

Table 12-235

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0081M	99.16	0.04	2437.00	6	1.0	13.0	12.65	Back	0	0.446	1.084	1.008	0.487	0.536	0.334		16.1	15.4	12.0
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0081M	99.16	0.02	2437.00	6	1.0	13.0	12.65	Top	0	0.515	1.084	1.008	0.563	0.619	0.387		15.4		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0081M	99.16	0.09	2437.00	6	1.0	13.0	12.65	Bottom	0	0.000	1.084	1.008	0.000	0.000	0.000		52.6		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0081M	99.16	0.07	2437.00	6	1.0	13.0	12.65	Right	0	0.012	1.084	1.008	0.013	0.014	0.009		31.8		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	F	0081M	99.16	0.04	2437.00	6	1.0	13.0	12.65	Left	0	0.003	1.084	1.008	0.003	0.003	0.002		37.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

12.12 2.4 GHz WIFI MIMO Standalone SAR

Table 12-236 | Plot A95

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	0081M	95.87	-0.18	2462.00	11	1.0	20.0	19.86	20.0	19.62	Right Cheek	0	0.270	1.091	1.043	0.307	0.737	0.461		25.1	23.8	23.8
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	0081M	95.87	0.07	2462.00	11	1.0	20.0	19.86	20.0	19.62	Right Tilt	0	0.310	1.091	1.043	0.353	0.846	0.529		24.5		
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	0081M	95.87	-0.02	2462.00	11	1.0	20.0	19.86	20.0	19.62	Left Cheek	0	0.303	1.091	1.043	0.345	0.827	0.517		24.6		
Head	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	0081M	95.87	0.03	2462.00	11	1.0	20.0	19.86	20.0	19.62	Left Tilt	0	0.361	1.091	1.043	0.411	0.986	0.616	Plot	23.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Head 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 23 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 20 dBm.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-237 | Plot A96

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Configuration	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	1	0081M	95.87	-0.05	2412.00	1	1.0	18.0	16.91	18.0	16.88	Back	5	0.436	1.294	1.043	0.588	0.647	0.405		20.3	18.6	17.0
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	2	0081M	95.87	0.06	2412.00	1	1.0	18.0	16.91	18.0	16.88	Back	5	0.290	1.294	1.043	0.391	0.430	0.268		22.0		
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	1	0081M	95.87	-0.01	2437.00	6	1.0	18.0	16.98	18.0	16.90	Back	5	0.582	1.288	1.043	0.782	0.860	0.538		19.0		
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	2	0081M	95.87	0.01	2437.00	6	1.0	18.0	16.98	18.0	16.90	Back	5	0.344	1.288	1.043	0.462	0.508	0.318		21.3		
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	2	0125M	95.87	-0.03	2462.00	11	1.0	18.0	17.62	18.0	17.55	Back	5	0.322	1.109	1.043	0.372	0.409	0.256		22.2		
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	1	0125M	95.87	0.01	2462.00	11	1.0	18.0	17.62	18.0	17.55	Back	5	0.748	1.109	1.043	0.865	0.952	0.595	Plot	18.6		
Body-worn/Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	-0.12	2462.00	11	1.0	18.0	17.62	18.0	17.55	Front	10	0.185	1.109	1.043	0.214	0.235	0.147		24.6		
Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	0.00	2462.00	11	1.0	18.0	17.62	18.0	17.55	Top	10	0.225	1.109	1.043	0.260	0.286	0.179		23.8		
Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	-0.02	2462.00	11	1.0	18.0	17.62	18.0	17.55	Right	10	0.238	1.109	1.043	0.275	0.303	0.189		23.6		
Hotspot	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	-0.10	2462.00	11	1.0	18.0	17.62	18.0	17.55	Left	10	0.035	1.109	1.043	0.040	0.044	0.028		31.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 21 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 18 dBm.

Table 12-238

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Configuration	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	1	0081M	95.87	-0.08	2412.00	1	1.0	13.0	12.31	13.0	12.55	Back	0	0.677	1.172	1.043	0.828	0.911	0.570		13.8	12.2	12.0
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	2	0081M	95.87	-0.02	2412.00	1	1.0	13.0	12.31	13.0	12.55	Back	0	0.295	1.172	1.043	0.361	0.397	0.249		17.4		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	1	0081M	95.87	-0.01	2437.00	6	1.0	13.0	12.31	13.0	12.53	Back	0	0.671	1.172	1.043	0.820	0.902	0.564		13.8		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	2	0081M	95.87	-0.13	2437.00	6	1.0	13.0	12.31	13.0	12.53	Back	0	0.414	1.172	1.043	0.506	0.557	0.348		15.9		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	2	0081M	95.87	0.06	2462.00	11	1.0	13.0	12.91	13.0	12.57	Back	0	0.434	1.104	1.043	0.500	0.550	0.344		16.0		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	1	0081M	95.87	0.17	2462.00	11	1.0	13.0	12.91	13.0	12.57	Back	0	1.040	1.104	1.043	1.198	1.318	0.824		12.2		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	0.05	2412.00	1	1.0	13.0	12.31	13.0	12.55	Top	0	0.635	1.172	1.043	0.776	0.854	0.534		14.0		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	-0.12	2437.00	6	1.0	13.0	12.31	13.0	12.53	Top	0	0.697	1.172	1.043	0.852	0.937	0.586		13.6		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	-0.01	2462.00	11	1.0	13.0	12.91	13.0	12.57	Top	0	0.600	1.104	1.043	0.691	0.760	0.475		14.6		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	0.03	2462.00	11	1.0	13.0	12.91	13.0	12.57	Bottom	0	0.011	1.104	1.043	0.013	0.014	0.009		31.9		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	0.03	2412.00	1	1.0	13.0	12.31	13.0	12.55	Right	0	0.535	1.172	1.043	0.654	0.719	0.450		14.8		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	-0.11	2437.00	6	1.0	13.0	12.31	13.0	12.53	Right	0	0.626	1.172	1.043	0.765	0.842	0.526		14.1		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	-0.06	2462.00	11	1.0	13.0	12.91	13.0	12.57	Right	0	0.844	1.104	1.043	0.972	1.069	0.669		13.1		
Body	2.4 GHz WIFI/ IEEE 802.11b	22	DSSS	MIMO	N/A	0081M	95.87	0.02	2462.00	11	1.0	13.0	12.91	13.0	12.57	Left	0	0.014	1.104	1.043	0.016	0.018	0.011		30.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 16 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 13 dBm.

12.13 5 GHz WIFI SISO Standalone SAR

Table 12-239

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.01	5270.00	54	U-NII-2A	13.5	18.0	17.10	Right Cheek	0	0.043	1.230	1.032	0.055	0.454	0.284		30.6	27.2	27.2
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.08	5690.00	138	U-NII-2C	29.3	18.0	17.38	Right Cheek	0	0.061	1.153	1.169	0.082	0.684	0.428		28.8		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.08	5795.00	159	U-NII-3	13.5	18.0	17.10	Right Cheek	0	0.049	1.230	1.032	0.062	0.517	0.323		30.0		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.08	5875.00	175	U-NII-4	13.5	18.0	17.32	Right Cheek	0	0.034	1.169	1.032	0.041	0.341	0.213		31.8		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.03	5270.00	54	U-NII-2A	13.5	18.0	17.10	Right Tilt	0	0.072	1.230	1.032	0.091	0.760	0.475		28.3		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.07	5690.00	138	U-NII-2C	29.3	18.0	17.38	Right Tilt	0	0.087	1.153	1.169	0.117	0.976	0.610		27.3		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.02	5795.00	159	U-NII-3	13.5	18.0	17.10	Right Tilt	0	0.047	1.230	1.032	0.060	0.496	0.330		30.2		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.07	5875.00	175	U-NII-4	13.5	18.0	17.32	Right Tilt	0	0.044	1.169	1.032	0.053	0.442	0.276		30.7		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.08	5270.00	54	U-NII-2A	13.5	18.0	17.10	Left Cheek	0	0.075	1.230	1.032	0.095	0.792	0.495		28.2		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.07	5690.00	138	U-NII-2C	29.3	18.0	17.38	Left Cheek	0	0.082	1.153	1.169	0.111	0.920	0.575		27.5		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.02	5795.00	159	U-NII-3	13.5	18.0	17.10	Left Cheek	0	0.043	1.230	1.032	0.055	0.454	0.284		30.6		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	-0.10	5875.00	175	U-NII-4	13.5	18.0	17.32	Left Cheek	0	0.039	1.169	1.032	0.047	0.391	0.244		31.2		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.06	5270.00	54	U-NII-2A	13.5	18.0	17.10	Left Tilt	0	0.087	1.230	1.032	0.110	0.919	0.574		27.5		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.14	5690.00	138	U-NII-2C	29.3	18.0	17.38	Left Tilt	0	0.088	1.153	1.169	0.119	0.987	0.617		27.2		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.03	5795.00	159	U-NII-3	13.5	18.0	17.10	Left Tilt	0	0.055	1.230	1.032	0.070	0.581	0.363		29.5		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.09	5875.00	175	U-NII-4	13.5	18.0	17.32	Left Tilt	0	0.053	1.169	1.032	0.064	0.532	0.333		29.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-240

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	-0.16	5270.00	54	U-NII-2A	13.5	18.0	17.36	Right Cheek	0	0.195	1.159	1.050	0.237	0.335	0.209		24.2	19.5	19.5
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	-0.07	5690.00	138	U-NII-2C	29.3	18.0	17.52	Right Cheek	0	0.522	1.117	1.053	0.614	0.867	0.542		20.1		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	-0.10	5755.00	151	U-NII-3	13.5	18.0	17.45	Right Cheek	0	0.374	1.135	1.050	0.446	0.629	0.393		21.5		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.05	5875.00	175	U-NII-4	13.5	18.0	17.21	Right Cheek	0	0.348	1.199	1.050	0.438	0.619	0.387		21.5		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.01	5270.00	54	U-NII-2A	13.5	18.0	17.36	Right Tilt	0	0.222	1.159	1.050	0.270	0.382	0.239		23.6		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.02	5690.00	138	U-NII-2C	29.3	18.0	17.52	Right Tilt	0	0.590	1.117	1.053	0.694	0.980	0.613		19.5		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	-0.03	5755.00	151	U-NII-3	13.5	18.0	17.45	Right Tilt	0	0.452	1.135	1.050	0.539	0.761	0.476		20.6		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.05	5875.00	175	U-NII-4	13.5	18.0	17.21	Right Tilt	0	0.279	1.199	1.050	0.351	0.496	0.310		22.5		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.01	5270.00	54	U-NII-2A	13.5	18.0	17.36	Left Cheek	0	0.280	1.159	1.050	0.341	0.481	0.301		22.6		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	-0.01	5690.00	138	U-NII-2C	29.3	18.0	17.52	Left Cheek	0	0.448	1.117	1.053	0.527	0.744	0.465		20.7		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	-0.04	5755.00	151	U-NII-3	13.5	18.0	17.45	Left Cheek	0	0.321	1.135	1.050	0.383	0.540	0.338		22.1		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.15	5875.00	175	U-NII-4	13.5	18.0	17.21	Left Cheek	0	0.238	1.199	1.050	0.300	0.423	0.264		23.2		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.06	5270.00	54	U-NII-2A	13.5	18.0	17.36	Left Tilt	0	0.265	1.159	1.050	0.322	0.455	0.284		22.9		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	-0.04	5690.00	138	U-NII-2C	29.3	18.0	17.52	Left Tilt	0	0.488	1.117	1.053	0.574	0.811	0.507		20.4		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.07	5755.00	151	U-NII-3	13.5	18.0	17.45	Left Tilt	0	0.363	1.135	1.050	0.433	0.611	0.382		21.6		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.05	5875.00	175	U-NII-4	13.5	18.0	17.21	Left Tilt	0	0.226	1.199	1.050	0.285	0.402	0.251		23.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-241

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.03	5270.00	54	U-NII-2A	13.5	17.0	16.67	Back	5	0.342	1.079	1.032	0.381	0.419	0.262		21.1	20.2	16.0
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.09	5610.00	122	U-NII-2C	29.3	17.0	16.45	Back	5	0.359	1.135	1.169	0.476	0.524	0.328		20.2		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.03	5835.00	167	U-NII-4	13.5	17.0	16.99	Back	5	0.229	1.002	1.032	0.237	0.261	0.163		23.2		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.07	5270.00	54	U-NII-2A	13.5	17.0	16.67	Front	5	0.029	1.079	1.032	0.032	0.035	0.022		31.9		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.03	5610.00	122	U-NII-2C	29.3	17.0	16.45	Front	5	0.032	1.135	1.169	0.042	0.046	0.029		30.7		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.06	5835.00	167	U-NII-4	13.5	17.0	16.99	Front	5	0.015	1.002	1.032	0.016	0.018	0.011		35.0		
Body-worn/Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.03	5755.00	151	U-NII-3	13.5	17.0	16.83	Back	5	0.245	1.040	1.032	0.263	0.289	0.180		22.8		
Body-worn/Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.09	5755.00	151	U-NII-3	13.5	17.0	16.83	Front	5	0.013	1.040	1.032	0.014	0.015	0.010		35.5		
Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	-0.10	5755.00	151	U-NII-3	13.5	17.0	16.83	Top	10	0.142	1.040	1.032	0.152	0.167	0.105		25.1		
Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.06	5755.00	151	U-NII-3	13.5	17.0	16.83	Left	10	0.030	1.040	1.032	0.032	0.035	0.022		31.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-242

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.01	5270.00	54	U-NII-2A	13.5	17.0	16.99	Back	5	0.654	1.002	1.050	0.688	0.757	0.473		18.6	16.6	16.0
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.01	5530.00	106	U-NII-2C	29.3	14.0	13.62	Back	5	0.576	1.091	1.053	0.662	0.728	0.455		15.7		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	-0.06	5610.00	122	U-NII-2C	29.3	17.0	16.50	Back	5	0.911	1.122	1.053	1.076	1.184	0.740		16.6		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	-0.02	5690.00	138	U-NII-2C	29.3	17.0	16.20	Back	5	0.757	1.202	1.053	0.958	1.054	0.659		17.1		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.01	5875.00	175	U-NII-4	13.5	17.0	16.77	Back	5	0.712	1.054	1.050	0.788	0.867	0.542		18.0		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.04	5270.00	54	U-NII-2A	13.5	17.0	16.99	Front	5	0.073	1.002	1.050	0.077	0.085	0.053		28.1		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.01	5610.00	122	U-NII-2C	29.3	17.0	16.50	Front	5	0.181	1.122	1.053	0.214	0.235	0.147		23.6		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.05	5875.00	175	U-NII-4	13.5	17.0	16.77	Front	5	0.100	1.054	1.050	0.111	0.122	0.076		26.5		
Body-worn/Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.01	5795.00	159	U-NII-3	13.5	17.0	16.80	Back	5	0.723	1.047	1.050	0.795	0.875	0.547		17.9		
Body-worn/Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.06	5795.00	159	U-NII-3	13.5	17.0	16.80	Front	5	0.109	1.047	1.050	0.120	0.132	0.083		26.2		
Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.05	5795.00	159	U-NII-3	13.5	17.0	16.80	Top	10	0.329	1.047	1.050	0.362	0.398	0.249		21.4		
Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.07	5795.00	159	U-NII-3	13.5	17.0	16.80	Right	10	0.051	1.047	1.050	0.056	0.062	0.039		29.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-243

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Adjusted 10g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (10g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.05	5270.00	54	U-NII-2A	13.5	17.0	16.67	Back	0	0.575	1.079	1.032	0.640	0.704	0.176		22.9	21.6	16.0
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.03	5610.00	122	U-NII-2C	29.3	17.0	16.45	Back	0	0.374	1.135	1.169	0.496	0.546	0.136		24.0		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.06	5835.00	167	U-NII-4	13.5	17.0	16.99	Back	0	0.366	1.002	1.032	0.378	0.416	0.105		25.1		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.02	5270.00	54	U-NII-2A	13.5	17.0	16.67	Front	0	0.051	1.079	1.032	0.057	0.063	0.015		33.4		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.06	5610.00	122	U-NII-2C	29.3	17.0	16.45	Front	0	0.043	1.135	1.169	0.057	0.063	0.015		33.4		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.01	5835.00	167	U-NII-4	13.5	17.0	16.99	Front	0	0.030	1.002	1.032	0.031	0.034	0.009		36.0		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.05	5270.00	54	U-NII-2A	13.5	17.0	16.67	Top	0	0.765	1.079	1.032	0.852	0.937	0.234		21.6		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.12	5610.00	122	U-NII-2C	29.3	17.0	16.45	Top	0	0.508	1.135	1.169	0.674	0.741	0.186		22.6		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	-0.15	5835.00	167	U-NII-4	13.5	17.0	16.99	Top	0	0.479	1.002	1.032	0.495	0.545	0.136		24.0		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.08	5270.00	54	U-NII-2A	13.5	17.0	16.67	Left	0	0.026	1.079	1.032	0.029	0.032	0.008		36.3		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.07	5610.00	122	U-NII-2C	29.3	17.0	16.45	Left	0	0.021	1.135	1.169	0.028	0.031	0.008		36.5		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	F	0093M	96.87	0.01	5835.00	167	U-NII-4	13.5	17.0	16.99	Left	0	0.007	1.002	1.032	0.007	0.008	0.002		42.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Phablet 4.0 W/kg (mW/g) averaged over 10 grams											

Table 12-244 | Plot 101

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Adjusted 10g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (10g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.01	5270.00	54	U-NII-2A	13.5	17.0	16.99	Back	0	0.900	1.002	1.050	0.947	1.042	0.261		21.2	19.3	16.0
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.01	5610.00	122	U-NII-2C	29.3	17.0	16.50	Back	0	1.100	1.122	1.053	1.300	1.430	0.358		19.8		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.01	5875.00	175	U-NII-4	13.5	17.0	16.77	Back	0	0.711	1.054	1.050	0.787	0.866	0.217		22.0		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.03	5270.00	54	U-NII-2A	13.5	17.0	16.99	Front	0	0.226	1.002	1.050	0.238	0.262	0.066		27.2		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.03	5610.00	122	U-NII-2C	29.3	17.0	16.50	Front	0	0.279	1.122	1.053	0.330	0.363	0.091		25.7		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.04	5875.00	175	U-NII-4	13.5	17.0	16.77	Front	0	0.205	1.054	1.050	0.227	0.250	0.063		27.4		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	-0.05	5270.00	54	U-NII-2A	13.5	17.0	16.99	Top	0	1.310	1.002	1.050	1.378	1.516	0.380	Plot	19.5		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	-0.12	5610.00	122	U-NII-2C	29.3	17.0	16.50	Top	0	1.240	1.122	1.053	1.465	1.612	0.403		19.3		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.12	5875.00	175	U-NII-4	13.5	17.0	16.77	Top	0	0.900	1.054	1.050	0.996	1.096	0.274		20.9		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.05	5270.00	54	U-NII-2A	13.5	17.0	16.99	Right	0	0.522	1.002	1.050	0.549	0.604	0.151		23.5		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.01	5610.00	122	U-NII-2C	29.3	17.0	16.50	Right	0	0.144	1.122	1.053	0.170	0.187	0.047		28.6		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	E	0093M	95.27	0.06	5875.00	175	U-NII-4	13.5	17.0	16.77	Right	0	0.123	1.054	1.050	0.136	0.150	0.037		29.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Phablet 4.0 W/kg (mW/g) averaged over 10 grams											

Table 12-245

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.04	5290.00	58	U-NII-2A	29.3	10.0	8.31	Back	0	0.225	1.476	1.169	0.388	0.427	0.267		14.1	11.4	9.0
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.01	5690.00	138	U-NII-2C	29.3	10.0	9.22	Back	0	0.268	1.197	1.169	0.375	0.413	0.257		14.2		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.04	5775.00	155	U-NII-3	29.3	10.0	9.15	Back	0	0.324	1.216	1.169	0.461	0.507	0.317		13.3		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.07	5855.00	171	U-NII-4	29.3	10.0	9.18	Back	0	0.286	1.208	1.169	0.404	0.444	0.278		13.9		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.06	5290.00	58	U-NII-2A	29.3	10.0	8.31	Top	0	0.414	1.476	1.169	0.714	0.785	0.491		11.4		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.04	5690.00	138	U-NII-2C	29.3	10.0	9.22	Top	0	0.413	1.197	1.169	0.578	0.636	0.397		12.3		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.09	5775.00	155	U-NII-3	29.3	10.0	9.15	Top	0	0.413	1.216	1.169	0.587	0.646	0.404		12.3		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.08	5855.00	171	U-NII-4	29.3	10.0	9.18	Top	0	0.414	1.208	1.169	0.585	0.644	0.403		12.3		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.03	5290.00	58	U-NII-2A	29.3	10.0	8.31	Bottom	0	0.003	1.476	1.169	0.005	0.006	0.003		32.8		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.07	5690.00	138	U-NII-2C	29.3	10.0	9.22	Bottom	0	0.000	1.197	1.169	0.000	0.000	0.000		48.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.07	5775.00	155	U-NII-3	29.3	10.0	9.15	Bottom	0	0.000	1.216	1.169	0.000	0.000	0.000		48.4		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.04	5855.00	171	U-NII-4	29.3	10.0	9.18	Bottom	0	0.000	1.208	1.169	0.000	0.000	0.000		48.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.02	5290.00	58	U-NII-2A	29.3	10.0	8.31	Right	0	0.005	1.476	1.169	0.009	0.010	0.007		30.6		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.05	5690.00	138	U-NII-2C	29.3	10.0	9.22	Right	0	0.002	1.197	1.169	0.003	0.003	0.002		35.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.09	5775.00	155	U-NII-3	29.3	10.0	9.15	Right	0	0.000	1.216	1.169	0.000	0.000	0.000		48.4		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.04	5855.00	171	U-NII-4	29.3	10.0	9.18	Right	0	0.017	1.208	1.169	0.024	0.026	0.017		26.1		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.05	5290.00	58	U-NII-2A	29.3	10.0	8.31	Left	0	0.003	1.476	1.169	0.005	0.006	0.003		32.8		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.03	5690.00	138	U-NII-2C	29.3	10.0	9.22	Left	0	0.000	1.197	1.169	0.000	0.000	0.000		48.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.05	5775.00	155	U-NII-3	29.3	10.0	9.15	Left	0	0.000	1.216	1.169	0.000	0.000	0.000		48.4		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	F	0093M	85.51	0.08	5855.00	171	U-NII-4	29.3	10.0	9.18	Left	0	0.009	1.208	1.169	0.013	0.014	0.009		28.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-246 | Plot A102

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.08	5290.00	58	U-NII-2A	29.3	10.0	8.53	Back	0	0.552	1.403	1.053	0.816	0.898	0.561		10.8	9.5	9.0
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	-0.14	5530.00	106	U-NII-2C	29.3	10.0	8.77	Back	0	0.652	1.327	1.053	0.911	1.002	0.626		10.4		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.08	5610.00	122	U-NII-2C	29.3	10.0	8.37	Back	0	0.701	1.455	1.053	1.074	1.181	0.738		9.6		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.09	5690.00	138	U-NII-2C	29.3	10.0	8.34	Back	0	0.693	1.466	1.053	1.070	1.177	0.736		9.7		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.06	5775.00	155	U-NII-3	29.3	10.0	8.40	Back	0	0.721	1.445	1.053	1.097	1.207	0.755		9.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.05	5855.00	171	U-NII-4	29.3	10.0	8.50	Back	0	0.744	1.413	1.053	1.107	1.218	0.761	Plot	9.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.01	5290.00	58	U-NII-2A	29.3	10.0	8.53	Top	0	0.610	1.403	1.053	0.901	0.991	0.619		10.4		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.21	5530.00	106	U-NII-2C	29.3	10.0	8.77	Top	0	0.605	1.327	1.053	0.845	0.930	0.581		10.7		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.05	5610.00	122	U-NII-2C	29.3	10.0	8.37	Top	0	0.672	1.455	1.053	1.030	1.133	0.708		9.8		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.02	5690.00	138	U-NII-2C	29.3	10.0	8.34	Top	0	0.626	1.466	1.053	0.966	1.063	0.664		10.1		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.09	5775.00	155	U-NII-3	29.3	10.0	8.40	Top	0	0.725	1.445	1.053	1.103	1.213	0.758		9.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.01	5855.00	171	U-NII-4	29.3	10.0	8.50	Top	0	0.627	1.413	1.053	0.933	1.026	0.641		10.3		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.02	5290.00	58	U-NII-2A	29.3	10.0	8.53	Bottom	0	0.000	1.403	1.053	0.000	0.000	0.000		48.3		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.09	5530.00	106	U-NII-2C	29.3	10.0	8.77	Bottom	0	0.005	1.327	1.053	0.007	0.008	0.004		31.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.06	5775.00	155	U-NII-3	29.3	10.0	8.40	Bottom	0	0.000	1.445	1.053	0.000	0.000	0.000		48.1		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.03	5855.00	171	U-NII-4	29.3	10.0	8.50	Bottom	0	0.007	1.413	1.053	0.010	0.011	0.007		29.8		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.07	5290.00	58	U-NII-2A	29.3	10.0	8.53	Right	0	0.206	1.403	1.053	0.304	0.334	0.209		15.1		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.09	5530.00	106	U-NII-2C	29.3	10.0	8.77	Right	0	0.081	1.327	1.053	0.113	0.124	0.078		19.4		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.05	5775.00	155	U-NII-3	29.3	10.0	8.40	Right	0	0.054	1.445	1.053	0.082	0.090	0.056		20.8		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.04	5855.00	171	U-NII-4	29.3	10.0	8.50	Right	0	0.052	1.413	1.053	0.077	0.085	0.053		21.1		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.05	5290.00	58	U-NII-2A	29.3	10.0	8.53	Left	0	0.003	1.403	1.053	0.004	0.004	0.003		33.5		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.03	5530.00	106	U-NII-2C	29.3	10.0	8.77	Left	0	0.003	1.327	1.053	0.004	0.004	0.003		33.7		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.08	5775.00	155	U-NII-3	29.3	10.0	8.40	Left	0	0.000	1.445	1.053	0.000	0.000	0.000		48.1		
Body	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	E	0093M	94.93	0.09	5855.00	171	U-NII-4	29.3	10.0	8.50	Left	0	0.001	1.413	1.053	0.001	0.001	0.001		38.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Body 1.6 W/kg (mW/g) averaged over 1 gram											

12.14 5 GHz WIFI MIMO Standalone SAR

Table 12-247 | Plot A98

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.05	5270.00	54	U-NII-2A	27.0	18.0	17.70	18.0	16.89	Right Cheek	0	0.218	1.291	1.022	0.288	0.354	0.221		23.4	18.9	18.9
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.06	5610.00	122	U-NII-2C	58.5	18.0	17.97	18.0	17.49	Right Cheek	0	0.476	1.125	1.009	0.540	0.665	0.416		20.6		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.01	5755.00	151	U-NII-3	27.0	18.0	17.32	18.0	17.64	Right Cheek	0	0.557	1.169	1.022	0.665	0.819	0.512		19.7		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.08	5875.00	175	U-NII-4	27.0	18.0	17.11	18.0	17.68	Right Cheek	0	0.529	1.227	1.022	0.663	0.816	0.510		19.7		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.02	5270.00	54	U-NII-2A	27.0	18.0	17.70	18.0	16.89	Right Tilt	0	0.296	1.291	1.022	0.391	0.481	0.301		22.0		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	-0.09	5610.00	122	U-NII-2C	58.5	18.0	17.97	18.0	17.49	Right Tilt	0	0.605	1.125	1.009	0.687	0.845	0.528		19.6		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.03	5755.00	151	U-NII-3	27.0	18.0	17.32	18.0	17.64	Right Tilt	0	0.675	1.169	1.022	0.806	0.993	0.621	Plot	18.9		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.03	5795.00	159	U-NII-3	27.0	18.0	17.12	18.0	17.51	Right Tilt	0	0.612	1.225	1.022	0.766	0.943	0.589		19.1		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.05	5875.00	175	U-NII-4	27.0	18.0	17.11	18.0	17.68	Right Tilt	0	0.539	1.227	1.022	0.676	0.832	0.520		19.6		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.08	5270.00	54	U-NII-2A	27.0	18.0	17.70	18.0	16.89	Left Cheek	0	0.240	1.291	1.022	0.317	0.390	0.244		22.9		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.12	5610.00	122	U-NII-2C	58.5	18.0	17.97	18.0	17.49	Left Cheek	0	0.502	1.125	1.009	0.570	0.701	0.438		20.4		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.00	5755.00	151	U-NII-3	27.0	18.0	17.32	18.0	17.64	Left Cheek	0	0.600	1.169	1.022	0.717	0.882	0.551		19.4		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.13	5875.00	175	U-NII-4	27.0	18.0	17.11	18.0	17.68	Left Cheek	0	0.403	1.227	1.022	0.505	0.622	0.389		20.9		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.09	5270.00	54	U-NII-2A	27.0	18.0	17.70	18.0	16.89	Left Tilt	0	0.306	1.291	1.022	0.404	0.497	0.311		21.9		
Head	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.03	5610.00	122	U-NII-2C	58.5	18.0	17.97	18.0	17.49	Left Tilt	0	0.516	1.125	1.009	0.586	0.721	0.451		20.3		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.03	5755.00	151	U-NII-3	27.0	18.0	17.32	18.0	17.64	Left Tilt	0	0.514	1.169	1.022	0.614	0.756	0.473		20.1		
Head	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.13	5875.00	175	U-NII-4	27.0	18.0	17.11	18.0	17.68	Left Tilt	0	0.437	1.227	1.022	0.548	0.674	0.421		20.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Head 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 21 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 18 dBm.

Table 12-248 | Plot A99/A100

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.05	5270.00	54	U-NII-2A	27.0	17.0	16.09	17.0	16.91	Back	5	0.542	1.233	1.022	0.683	0.751	0.470		18.6	16.2	16.0
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.00	5530.00	106	U-NII-2C	58.5	14.0	12.89	14.0	13.57	Back	5	0.372	1.291	1.009	0.485	0.534	0.333		17.1		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.01	5610.00	122	U-NII-2C	58.5	17.0	16.70	17.0	16.64	Back	5	1.060	1.086	1.009	1.162	1.278	0.799	Plot	16.3		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.00	5610.00	122	U-NII-2C	58.5	17.0	16.70	17.0	16.64	Back	5	0.993	1.086	1.009	1.088	1.197	0.748		16.6		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.02	5690.00	138	U-NII-2C	58.5	17.0	16.43	17.0	16.55	Back	5	1.040	1.140	1.009	1.196	1.316	0.823		16.2		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.05	5690.00	138	U-NII-2C	58.5	17.0	16.43	17.0	16.55	Back	5	1.030	1.140	1.009	1.173	1.290	0.806		16.3		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.18	5835.00	167	U-NII-4	27.0	17.0	16.50	17.0	16.75	Back	5	0.699	1.122	1.022	0.802	0.882	0.551		17.9		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.01	5875.00	175	U-NII-4	27.0	17.0	16.58	17.0	16.72	Back	5	0.796	1.102	1.022	0.896	0.986	0.616		17.4		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.08	5270.00	54	U-NII-2A	27.0	17.0	16.09	17.0	16.91	Front	5	0.084	1.233	1.022	0.106	0.117	0.073		26.7		
Body-worn	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.03	5610.00	122	U-NII-2C	58.5	17.0	16.70	17.0	16.64	Front	5	0.220	1.086	1.009	0.241	0.265	0.166		23.1		
Body-worn	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.09	5875.00	175	U-NII-4	27.0	17.0	16.58	17.0	16.72	Front	5	0.156	1.102	1.022	0.176	0.194	0.121		24.5		
Body-worn/Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.09	5755.00	151	U-NII-3	27.0	17.0	16.40	17.0	16.68	Back	5	0.825	1.148	1.022	0.968	1.065	0.666		17.1		
Body-worn/Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.03	5795.00	159	U-NII-3	27.0	17.0	16.52	17.0	16.67	Back	5	0.837	1.117	1.022	0.955	1.051	0.657	Plot	17.1		
Body-worn/Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.04	5795.00	159	U-NII-3	27.0	17.0	16.52	17.0	16.67	Front	5	0.214	1.117	1.022	0.244	0.268	0.168		23.1		
Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.01	5795.00	159	U-NII-3	27.0	17.0	16.52	17.0	16.67	Top	10	0.496	1.117	1.022	0.566	0.623	0.389		19.4		
Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.02	5795.00	159	U-NII-3	27.0	17.0	16.52	17.0	16.67	Right	10	0.116	1.117	1.022	0.132	0.145	0.091		25.7		
Hotspot	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.05	5795.00	159	U-NII-3	27.0	17.0	16.52	17.0	16.67	Left	10	0.065	1.117	1.022	0.074	0.081	0.051		28.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 20 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 17 dBm.

Table 12-249

	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Adjusted 10g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (10g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.02	5270.00	54	U-NII-2A	27.0	17.0	16.09	17.0	16.91	Back	0	0.863	1.233	1.022	1.087	1.196	0.299		20.6	19.6	16.0
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.06	5610.00	122	U-NII-2C	58.5	17.0	16.70	17.0	16.64	Back	0	1.110	1.086	1.009	1.216	1.338	0.334		20.1		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.05	5875.00	175	U-NII-4	27.0	17.0	16.58	17.0	16.72	Back	0	0.742	1.102	1.022	0.836	0.920	0.230		21.7		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.06	5270.00	54	U-NII-2A	27.0	17.0	16.09	17.0	16.91	Front	0	0.196	1.233	1.022	0.247	0.272	0.068		27.0		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.06	5610.00	122	U-NII-2C	58.5	17.0	16.70	17.0	16.64	Front	0	0.206	1.086	1.009	0.226	0.249	0.063		27.4		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.06	5875.00	175	U-NII-4	27.0	17.0	16.58	17.0	16.72	Front	0	0.171	1.102	1.022	0.193	0.212	0.053		28.1		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.02	5270.00	54	U-NII-2A	27.0	17.0	16.09	17.0	16.91	Top	0	1.020	1.233	1.022	1.285	1.414	0.353		19.8		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.03	5610.00	122	U-NII-2C	58.5	17.0	16.70	17.0	16.64	Top	0	1.250	1.086	1.009	1.370	1.507	0.377		19.6		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	-0.04	5875.00	175	U-NII-4	27.0	17.0	16.58	17.0	16.72	Top	0	0.867	1.102	1.022	0.976	1.074	0.268		21.0		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.07	5270.00	54	U-NII-2A	27.0	17.0	16.09	17.0	16.91	Right	0	0.400	1.233	1.022	0.504	0.554	0.139		23.9		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.01	5610.00	122	U-NII-2C	58.5	17.0	16.70	17.0	16.64	Right	0	0.179	1.086	1.009	0.196	0.216	0.054		28.0		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.06	5875.00	175	U-NII-4	27.0	17.0	16.58	17.0	16.72	Right	0	0.104	1.102	1.022	0.117	0.129	0.032		30.2		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.02	5270.00	54	U-NII-2A	27.0	17.0	16.09	17.0	16.91	Left	0	0.043	1.233	1.022	0.054	0.059	0.015		33.6		
Phablet	5 GHz WIFI/ IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.08	5610.00	122	U-NII-2C	58.5	17.0	16.70	17.0	16.64	Left	0	0.040	1.086	1.009	0.044	0.048	0.012		34.5		
Phablet	5 GHz WIFI/ IEEE 802.11n	40	OFDM	MIMO	0093M	97.82	0.01	5875.00	175	U-NII-4	27.0	17.0	16.58	17.0	16.72	Left	0	0.023	1.102	1.022	0.026	0.029	0.008		36.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Phablet 4.0 W/kg (mW/g) averaged over 10 grams											

Note: To achieve the 20 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 17 dBm.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-250

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	U-NII band	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.09	5290.00	58	U-NII-2A	58.5	10.0	8.16	10.0	8.59	Back	0	0.591	1.528	1.009	0.911	1.002	0.626		10.4	9.6	9.0
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.04	5530.00	106	U-NII-2C	58.5	10.0	8.59	10.0	8.76	Back	0	0.549	1.384	1.009	0.767	0.844	0.527		11.1		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.08	5610.00	122	U-NII-2C	58.5	10.0	8.76	10.0	8.34	Back	0	0.573	1.466	1.009	0.848	0.933	0.583		10.7		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	-0.08	5690.00	138	U-NII-2C	58.5	10.0	9.09	10.0	8.34	Back	0	0.592	1.466	1.009	0.876	0.964	0.603		10.5		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.07	5775.00	155	U-NII-3	58.5	10.0	9.00	10.0	8.21	Back	0	0.631	1.510	1.009	0.961	1.057	0.661		10.1		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.07	5855.00	171	U-NII-4	58.5	10.0	9.18	10.0	8.35	Back	0	0.709	1.462	1.009	1.046	1.151	0.719		9.8		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.01	5290.00	58	U-NII-2A	58.5	10.0	8.16	10.0	8.59	Top	0	0.673	1.528	1.009	1.038	1.142	0.714		9.8		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.02	5530.00	106	U-NII-2C	58.5	10.0	8.59	10.0	8.76	Top	0	0.723	1.384	1.009	1.010	1.111	0.694		9.9		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.03	5610.00	122	U-NII-2C	58.5	10.0	8.76	10.0	8.34	Top	0	0.717	1.466	1.009	1.061	1.167	0.729		9.7		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.09	5690.00	138	U-NII-2C	58.5	10.0	9.09	10.0	8.34	Top	0	0.706	1.466	1.009	1.044	1.148	0.718		9.8		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.07	5775.00	155	U-NII-3	58.5	10.0	9.00	10.0	8.21	Top	0	0.695	1.510	1.009	1.059	1.165	0.728		9.7		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.07	5855.00	171	U-NII-4	58.5	10.0	9.18	10.0	8.35	Top	0	0.730	1.462	1.009	1.077	1.185	0.740		9.6		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.07	5290.00	58	U-NII-2A	58.5	10.0	8.16	10.0	8.59	Bottom	0	0.003	1.528	1.009	0.005	0.006	0.003		33.3		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.02	5690.00	138	U-NII-2C	58.5	10.0	9.09	10.0	8.34	Bottom	0	0.002	1.466	1.009	0.003	0.003	0.002		35.2		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.08	5775.00	155	U-NII-3	58.5	10.0	9.00	10.0	8.21	Bottom	0	0.002	1.510	1.009	0.003	0.003	0.002		35.1		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.09	5855.00	171	U-NII-4	58.5	10.0	9.18	10.0	8.35	Bottom	0	0.007	1.462	1.009	0.010	0.011	0.007		29.8		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.06	5290.00	58	U-NII-2A	58.5	10.0	8.16	10.0	8.59	Right	0	0.009	1.528	1.009	0.014	0.015	0.010		28.5		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.01	5690.00	138	U-NII-2C	58.5	10.0	9.09	10.0	8.34	Right	0	0.057	1.466	1.009	0.084	0.092	0.058		20.7		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.05	5775.00	155	U-NII-3	58.5	10.0	9.00	10.0	8.21	Right	0	0.093	1.510	1.009	0.142	0.156	0.098		18.4		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.08	5855.00	171	U-NII-4	58.5	10.0	9.18	10.0	8.35	Right	0	0.091	1.462	1.009	0.134	0.147	0.092		18.7		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.03	5290.00	58	U-NII-2A	58.5	10.0	8.16	10.0	8.59	Left	0	0.007	1.528	1.009	0.011	0.012	0.008		29.6		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.02	5690.00	138	U-NII-2C	58.5	10.0	9.09	10.0	8.34	Left	0	0.002	1.466	1.009	0.003	0.003	0.002		35.2		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.01	5775.00	155	U-NII-3	58.5	10.0	9.00	10.0	8.21	Left	0	0.015	1.510	1.009	0.023	0.025	0.015		26.4		
Body	5 GHz WIFI / IEEE 802.11ac	80	OFDM	MIMO	0093M	99.14	0.02	5855.00	171	U-NII-4	58.5	10.0	9.18	10.0	8.35	Left	0	0.014	1.462	1.009	0.021	0.023	0.014		26.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 13 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 10 dBm.

12.15 6 GHz WIFI SISO Standalone SAR and APD

Table 12-251

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	F	0103M	99.27	0.07	5965.00	3	16.3	17.0	16.91	Right Cheek	0	0.025	1.021	1.007	0.026	0.219	0.137		32.8	27.4	26.3
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	F	0103M	99.27	0.03	5965.00	3	16.3	17.0	16.91	Right Tilt	0	0.088	1.021	1.007	0.090	0.770	0.481		27.4		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	F	0103M	99.27	0.06	5965.00	3	16.3	17.0	16.91	Left Cheek	0	0.064	1.021	1.007	0.066	0.560	0.350		28.8		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	F	0103M	99.27	-0.21	5965.00	3	16.3	17.0	16.91	Left Tilt	0	0.072	1.021	1.007	0.074	0.630	0.394		28.3		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram											

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Adjusted APD [W/m² (4cm²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	F	0103M	99.27	0.07	5965.00	3	16.3	17.0	16.91	Right Cheek	0	0.145	1.021	1.007	0.149	1.269	0.063		36.2	30.6	26.3
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	F	0103M	99.27	0.03	5965.00	3	16.3	17.0	16.91	Right Tilt	0	0.534	1.021	1.007	0.549	4.673	0.234		30.6		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	F	0103M	99.27	0.06	5965.00	3	16.3	17.0	16.91	Left Cheek	0	0.523	1.021	1.007	0.538	4.577	0.229		30.7		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	F	0103M	99.27	-0.21	5965.00	3	16.3	17.0	16.91	Left Tilt	0	0.511	1.021	1.007	0.525	4.472	0.224		30.8		

Table 12-252

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	E	0103M	99.56	0.12	5965.00	3	16.3	17.0	16.81	Right Cheek	0	0.331	1.045	1.004	0.347	0.872	0.545		21.5	21.0	21.0
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	E	0103M	99.56	0.05	5965.00	3	16.3	17.0	16.81	Right Tilt	0	0.371	1.045	1.004	0.389	0.977	0.611		21.0		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	E	0103M	99.56	0.09	5965.00	3	16.3	17.0	16.81	Left Cheek	0	0.217	1.045	1.004	0.228	0.572	0.358		23.4		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	E	0103M	99.56	0.08	5965.00	3	16.3	17.0	16.81	Left Tilt	0	0.226	1.045	1.004	0.237	0.595	0.372		23.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Head 1.6 W/kg (mW/g) averaged over 1 gram											

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Adjusted APD [W/m² (4cm²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	E	0103M	99.56	0.12	5965.00	3	16.3	17.0	16.81	Right Cheek	0	2.600	1.045	1.004	2.728	6.850	0.343		23.6	23.3	21.0
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	E	0103M	99.56	0.05	5965.00	3	16.3	17.0	16.81	Right Tilt	0	2.760	1.045	1.004	2.896	7.271	0.364		23.3		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	E	0103M	99.56	0.09	5965.00	3	16.3	17.0	16.81	Left Cheek	0	1.560	1.045	1.004	1.637	4.110	0.206		25.8		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	E	0103M	99.56	0.08	5965.00	3	16.3	17.0	16.81	Left Tilt	0	1.720	1.045	1.004	1.805	4.531	0.227		25.4		

Table 12-253

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	-0.19	6025.00	15	68.1	15.0	14.50	Back	5	0.135	1.122	1.004	0.152	0.167	0.105		23.1	18.1	14.0
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.06	6345.00	79	68.1	15.0	14.45	Back	5	0.410	1.135	1.004	0.467	0.514	0.321		18.3		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.08	6505.00	111	68.1	15.0	14.44	Back	5	0.425	1.138	1.004	0.486	0.535	0.334		18.1		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.03	6825.00	175	68.1	15.0	14.10	Back	5	0.339	1.230	1.004	0.419	0.461	0.288		18.7		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.07	6985.00	207	68.1	15.0	14.12	Back	5	0.237	1.225	1.004	0.291	0.320	0.200		20.3		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.09	6025.00	15	68.1	15.0	14.50	Front	5	0.024	1.122	1.004	0.027	0.030	0.019		30.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	-0.19	6025.00	15	68.1	15.0	14.50	Back	5	0.928	1.122	1.004	1.045	1.150	0.057		25.8	21.0	14.0
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.06	6345.00	79	68.1	15.0	14.45	Back	5	2.680	1.135	1.004	3.054	3.359	0.168		21.1		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.08	6505.00	111	68.1	15.0	14.44	Back	5	2.720	1.138	1.004	3.108	3.419	0.171		21.0		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.03	6825.00	175	68.1	15.0	14.10	Back	5	2.300	1.230	1.004	2.840	3.124	0.156		21.4		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.07	6985.00	207	68.1	15.0	14.12	Back	5	1.480	1.225	1.004	1.820	2.002	0.100		23.4		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.09	6025.00	15	68.1	15.0	14.50	Front	5	0.174	1.122	1.004	0.196	0.216	0.011		33.0		

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-254

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.09	6025.00	15	68.1	15.0	14.53	Back	5	0.447	1.114	1.007	0.501	0.551	0.344		17.9	17.9	14.0
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.01	6345.00	79	68.1	15.0	14.43	Back	5	0.101	1.140	1.007	0.116	0.128	0.080		24.3		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.08	6505.00	111	68.1	15.0	14.09	Back	5	0.062	1.233	1.007	0.077	0.085	0.053		26.1		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.02	6825.00	175	68.1	15.0	14.52	Back	5	0.072	1.117	1.007	0.081	0.089	0.056		25.9		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.08	6985.00	207	68.1	15.0	14.40	Back	5	0.362	1.148	1.007	0.418	0.460	0.287		18.7		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.06	6025.00	15	68.1	15.0	14.53	Front	5	0.042	1.114	1.007	0.047	0.052	0.032		28.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.09	6025.00	15	68.1	15.0	14.53	Back	5	2.920	1.114	1.007	3.276	3.604	0.180		20.8	20.8	14.0
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.01	6345.00	79	68.1	15.0	14.43	Back	5	0.614	1.140	1.007	0.705	0.776	0.039		27.5		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.08	6505.00	111	68.1	15.0	14.09	Back	5	0.369	1.233	1.007	0.458	0.504	0.025		29.3		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.02	6825.00	175	68.1	15.0	14.52	Back	5	0.457	1.117	1.007	0.514	0.565	0.029		28.8		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.08	6985.00	207	68.1	15.0	14.40	Back	5	2.310	1.148	1.007	2.670	2.937	0.147		21.7		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0103M	99.27	0.06	6025.00	15	68.1	15.0	14.53	Front	5	0.363	1.114	1.007	0.407	0.448	0.022		29.9		

Table 12-255 | Plot A105

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Adjusted 10g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (10g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.05	6025.00	15	68.1	15.0	14.50	Back	0	0.271	1.122	1.004	0.305	0.305	0.076		24.1	20.7	14.0
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.03	6025.00	15	68.1	15.0	14.50	Front	0	0.019	1.122	1.004	0.021	0.021	0.005		35.6		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.16	6025.00	15	68.1	15.0	14.50	Top	0	0.373	1.122	1.004	0.420	0.420	0.105		22.7		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.19	6345.00	79	68.1	15.0	14.45	Top	0	0.587	1.135	1.004	0.669	0.669	0.167	Plot	20.7		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.02	6505.00	111	68.1	15.0	14.44	Top	0	0.558	1.138	1.004	0.638	0.638	0.160		20.9		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.06	6825.00	175	68.1	15.0	14.10	Top	0	0.429	1.230	1.004	0.530	0.530	0.133		21.7		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.21	6985.00	207	68.1	15.0	14.12	Top	0	0.460	1.225	1.004	0.566	0.566	0.142		21.4		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.06	6025.00	15	68.1	15.0	14.50	Left	0	0.005	1.122	1.004	0.006	0.006	0.002		41.4		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Phablet 4.0 W/kg (mW/g) averaged over 10 grams											

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.05	6025.00	15	68.1	15.0	14.50	Back	0	6.430	1.122	1.004	7.243	7.243	0.362		17.4	14.0	14.0
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.03	6025.00	15	68.1	15.0	14.50	Front	0	0.454	1.122	1.004	0.511	0.511	0.026		28.9		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.16	6025.00	15	68.1	15.0	14.50	Top	0	8.820	1.122	1.004	9.936	9.936	0.497		16.0		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.19	6345.00	79	68.1	15.0	14.45	Top	0	13.800	1.135	1.004	15.726	15.726	0.786	Plot	14.0		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.02	6505.00	111	68.1	15.0	14.44	Top	0	13.100	1.138	1.004	14.967	14.967	0.748		14.2		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.06	6825.00	175	68.1	15.0	14.10	Top	0	10.100	1.230	1.004	12.473	12.473	0.624		15.0		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.21	6985.00	207	68.1	15.0	14.12	Top	0	10.900	1.225	1.004	13.406	13.406	0.670		14.7		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.06	6025.00	15	68.1	15.0	14.50	Left	0	0.118	1.122	1.004	0.133	0.133	0.007		34.7		

Table 12-256

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Adjusted 10g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (10g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.11	6025.00	15	68.1	15.0	14.53	Back	0	0.343	1.114	1.007	0.385	0.424	0.106		23.1	21.5	14.0
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.02	6025.00	15	68.1	15.0	14.53	Front	0	0.091	1.114	1.007	0.102	0.112	0.029		28.8		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.05	6025.00	15	68.1	15.0	14.53	Top	0	0.490	1.114	1.007	0.550	0.605	0.152		21.5		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.13	6345.00	79	68.1	15.0	14.43	Top	0	0.189	1.140	1.007	0.217	0.239	0.059		25.6		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.03	6505.00	111	68.1	15.0	14.09	Top	0	0.138	1.233	1.007	0.171	0.188	0.047		26.6		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.05	6825.00	175	68.1	15.0	14.52	Top	0	0.210	1.117	1.007	0.236	0.260	0.065		25.2		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.13	6985.00	207	68.1	15.0	14.40	Top	0	0.352	1.148	1.007	0.407	0.448	0.112		22.8		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.04	6025.00	15	68.1	15.0	14.53	Right	0	0.078	1.114	1.007	0.088	0.097	0.024		29.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Phablet 4.0 W/kg (mW/g) averaged over 10 grams											

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.11	6025.00	15	68.1	15.0	14.53	Back	0	8.010	1.114	1.007	8.986	9.885	0.494		16.4	14.9	14.0
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.02	6025.00	15	68.1	15.0	14.53	Front	0	2.040	1.114	1.007	2.288	2.517	0.125		22.4		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.05	6025.00	15	68.1	15.0	14.53	Top	0	11.400	1.114	1.007	12.788	14.067	0.703		14.9		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.13	6345.00	79	68.1	15.0	14.43	Top	0	4.470	1.140	1.007	5.131	5.644	0.283		18.9		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.03	6505.00	111	68.1	15.0	14.09	Top	0	3.260	1.233	1.007	4.048	4.453	0.222		19.9		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.05	6825.00	175	68.1	15.0	14.52	Top	0	4.990	1.117	1.007	5.613	6.174	0.309		18.5		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.13	6985.00	207	68.1	15.0	14.40	Top	0	8.240	1.148	1.007	9.526	10.479	0.524		16.2		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.04	6025.00	15	68.1	15.0	14.53	Right	0	1.830	1.114	1.007	2.053	2.258	0.113		22.8		

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-257

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.02	6025.00	15	68.1	10.0	9.55	Back	0	0.255	1.109	1.004	0.284	0.312	0.196		15.4	10.0	9.0
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.12	6505.00	111	68.1	10.0	9.90	Back	0	0.706	1.023	1.004	0.725	0.798	0.498		11.3		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.07	6025.00	15	68.1	10.0	9.55	Top	0	0.559	1.109	1.004	0.622	0.684	0.428		12.0		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.04	6345.00	79	68.1	10.0	9.87	Top	0	0.784	1.030	1.004	0.811	0.892	0.558		10.9		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	-0.16	6505.00	111	68.1	10.0	9.90	Top	0	0.954	1.023	1.004	0.980	1.078	0.674		10.0		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.03	6825.00	175	68.1	10.0	9.21	Top	0	0.724	1.199	1.004	0.872	0.959	0.600		10.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.02	6985.00	207	68.1	10.0	9.33	Top	0	0.595	1.167	1.004	0.697	0.767	0.480		11.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.09	6025.00	15	68.1	10.0	9.55	Bottom	0	0.000	1.109	1.004	0.000	0.000	0.000		49.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.03	6505.00	111	68.1	10.0	9.90	Bottom	0	0.002	1.023	1.004	0.002	0.002	0.001		36.8		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.07	6025.00	15	68.1	10.0	9.55	Right	0	0.000	1.109	1.004	0.000	0.000	0.000		49.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.05	6505.00	111	68.1	10.0	9.90	Right	0	0.022	1.023	1.004	0.023	0.025	0.015		26.4		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.09	6025.00	15	68.1	10.0	9.55	Left	0	0.002	1.109	1.004	0.002	0.002	0.001		36.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.02	6505.00	111	68.1	10.0	9.90	Left	0	0.006	1.023	1.004	0.006	0.007	0.004		32.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.02	6025.00	15	68.1	10.0	9.55	Back	0	1.390	1.109	1.004	1.548	1.703	0.085		19.1	14.1	9.0
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.12	6505.00	111	68.1	10.0	9.90	Back	0	3.770	1.023	1.004	3.872	4.259	0.213		15.1		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.07	6025.00	15	68.1	10.0	9.55	Top	0	2.820	1.109	1.004	3.140	3.454	0.173		16.0		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.04	6345.00	79	68.1	10.0	9.87	Top	0	3.890	1.030	1.004	4.023	4.425	0.221		14.9		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	-0.16	6505.00	111	68.1	10.0	9.90	Top	0	4.720	1.023	1.004	4.848	5.333	0.266		14.1		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.03	6825.00	175	68.1	10.0	9.21	Top	0	3.480	1.199	1.004	4.189	4.608	0.230		14.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0103M	99.56	0.02	6985.00	207	68.1	10.0	9.33	Top	0	2.900	1.167	1.004	3.398	3.738	0.187		15.6		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	-0.09	6025.00	15	68.1	10.0	9.55	Bottom	0	0.006	1.109	1.004	0.007	0.008	0.000		42.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.03	6505.00	111	68.1	10.0	9.90	Bottom	0	0.017	1.023	1.004	0.017	0.019	0.001		38.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.07	6025.00	15	68.1	10.0	9.55	Right	0	0.000	1.109	1.004	0.000	0.000	0.000		60.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.05	6505.00	111	68.1	10.0	9.90	Right	0	0.111	1.023	1.004	0.114	0.125	0.007		30.4		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.09	6025.00	15	68.1	10.0	9.55	Left	0	0.014	1.109	1.004	0.016	0.018	0.001		39.0		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	F	0161M	99.56	0.02	6505.00	111	68.1	10.0	9.90	Left	0	0.028	1.023	1.004	0.029	0.032	0.001		36.4		

Table 12-258

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.07	6025.00	15	68.1	10.0	9.36	Back	0	0.695	1.159	1.007	0.811	0.892	0.558		10.9	10.9	9.0
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.05	6345.00	79	68.1	10.0	9.29	Back	0	0.179	1.178	1.007	0.212	0.233	0.146		16.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.07	6505.00	111	68.1	10.0	9.21	Back	0	0.099	1.199	1.007	0.120	0.132	0.083		19.2		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.16	6825.00	175	68.1	10.0	9.49	Back	0	0.137	1.125	1.007	0.155	0.171	0.107		18.0		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.06	6985.00	207	68.1	10.0	9.72	Back	0	0.394	1.067	1.007	0.423	0.465	0.290		13.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.15	6025.00	15	68.1	10.0	9.36	Top	0	0.561	1.159	1.007	0.655	0.721	0.450		11.8		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.08	6985.00	207	68.1	10.0	9.72	Top	0	0.133	1.067	1.007	0.143	0.157	0.098		18.4		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.01	6025.00	15	68.1	10.0	9.36	Bottom	0	0.002	1.159	1.007	0.002	0.002	0.001		36.3		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.03	6985.00	207	68.1	10.0	9.72	Bottom	0	0.003	1.067	1.007	0.003	0.003	0.002		34.9		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.02	6025.00	15	68.1	10.0	9.36	Right	0	0.067	1.159	1.007	0.078	0.086	0.054		21.0		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.03	6985.00	207	68.1	10.0	9.72	Right	0	0.368	1.067	1.007	0.395	0.435	0.272		14.0		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.02	6025.00	15	68.1	10.0	9.36	Left	0	0.004	1.159	1.007	0.005	0.006	0.003		33.3		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.09	6985.00	207	68.1	10.0	9.72	Left	0	0.000	1.067	1.007	0.000	0.000	0.000		49.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram											

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.07	6025.00	15	68.1	10.0	9.36	Back	0	3.250	1.159	1.007	3.793	4.172	0.209		15.2	15.2	9.0
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.05	6345.00	79	68.1	10.0	9.29	Back	0	0.769	1.178	1.007	0.912	1.003	0.051		21.4		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.07	6505.00	111	68.1	10.0	9.21	Back	0	0.449	1.199	1.007	0.542	0.596	0.030		23.6		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.16	6825.00	175	68.1	10.0	9.49	Back	0	0.761	1.125	1.007	0.862	0.948	0.047		21.6		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.06	6985.00	207	68.1	10.0	9.72	Back	0	2.360	1.067	1.007	2.536	2.790	0.140		16.9		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	-0.15	6025.00	15	68.1	10.0	9.36	Top	0	3.090	1.159	1.007	3.606	3.967	0.198		15.4		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.08	6985.00	207	68.1	10.0	9.72	Top	0	0.827	1.067	1.007	0.889	0.978	0.048		21.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.01	6025.00	15	68.1	10.0	9.36	Bottom	0	0.009	1.159	1.007	0.011	0.012	0.001		40.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.03	6985.00	207	68.1	10.0	9.72	Bottom	0	0.033	1.067	1.007	0.035	0.039	0.002		35.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.02	6025.00	15	68.1	10.0	9.36	Right	0	0.285	1.159	1.007	0.333	0.366	0.019		25.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.03	6985.00	207	68.1	10.0	9.72	Right	0	1.830	1.067	1.007	1.966	2.163	0.108		18.0		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.02	6025.00	15	68.1	10.0	9.36	Left	0	0.029	1.159	1.007	0.034	0.037	0.002		35.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	E	0161M	99.27	0.09	6985.00	207	68.1	10.0	9.72	Left	0	0.008	1.067	1.007	0.009	0.010	0.000		41.6		

12.16 6 GHz WIFI MIMO Standalone SAR and APD

Table 12-259 | Plot A103

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	MIMO	0103M	99.49	-0.02	6685.00	147	32.5	17.0	16.52	17.0	16.42	Right Cheek	0	0.339	1.143	1.005	0.389	0.832	0.520		21.0	20.6	20.3
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	MIMO	0103M	99.49	0.08	6685.00	147	32.5	17.0	16.52	17.0	16.42	Right Tilt	0	0.376	1.143	1.005	0.432	0.923	0.577	Plot	20.6		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	MIMO	0103M	99.49	-0.12	6685.00	147	32.5	17.0	16.52	17.0	16.42	Left Cheek	0	0.333	1.143	1.005	0.383	0.818	0.511		21.1		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	MIMO	0103M	99.49	-0.02	6685.00	147	32.5	17.0	16.52	17.0	16.42	Left Tilt	0	0.363	1.143	1.005	0.417	0.891	0.557		20.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Head 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 20 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 17 dBm.

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Adjusted APD [W/m² (4cm²)]	APD Exposure Ratio	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	MIMO	0103M	99.49	-0.02	6685.00	147	32.5	17.0	16.52	17.0	16.42	Right Cheek	0	2.270	1.143	1.005	2.608	5.573	0.279		23.8	23.5	20.3
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	MIMO	0103M	99.49	0.08	6685.00	147	32.5	17.0	16.52	17.0	16.42	Right Tilt	0	2.450	1.143	1.005	2.814	6.015	0.301	Plot	23.5		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	MIMO	0103M	99.49	-0.12	6685.00	147	32.5	17.0	16.52	17.0	16.42	Left Cheek	0	2.310	1.143	1.005	2.654	5.672	0.284		23.7		
Head	6 GHz WIFI/ IEEE 802.11ax	40	OFDM	MIMO	0103M	99.49	-0.02	6685.00	147	32.5	17.0	16.52	17.0	16.42	Left Tilt	0	2.440	1.143	1.005	2.803	5.991	0.300		23.5		

Note: To achieve the 20 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 17 dBm.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-260 | Plot A104

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.01	6025.00	15	136.1	15.0	13.96	15.0	14.51	Back	5	0.332	1.271	1.004	0.424	0.466	0.292		18.7	15.9	14.0
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.05	6345.00	79	136.1	15.0	14.42	15.0	14.99	Back	5	0.428	1.143	1.004	0.491	0.540	0.338		18.0		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.07	6505.00	111	136.1	15.0	14.37	15.0	14.91	Back	5	0.397	1.156	1.004	0.461	0.507	0.317		18.3		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.04	6825.00	175	136.1	15.0	14.33	15.0	14.87	Back	5	0.682	1.167	1.004	0.799	0.879	0.549	Plot	15.9		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.09	6985.00	207	136.1	15.0	13.72	15.0	14.97	Back	5	0.510	1.343	1.004	0.688	0.757	0.473		16.6		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.08	6345.00	79	136.1	15.0	14.42	15.0	14.99	Front	5	0.104	1.143	1.004	0.119	0.131	0.081		24.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 18 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 15 dBm.

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.01	6025.00	15	136.1	15.0	13.96	15.0	14.51	Back	5	2.190	1.271	1.004	2.795	3.075	0.154		21.5	18.7	14.0
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.05	6345.00	79	136.1	15.0	14.42	15.0	14.99	Back	5	2.920	1.143	1.004	3.351	3.686	0.185		20.7		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.07	6505.00	111	136.1	15.0	14.37	15.0	14.91	Back	5	2.540	1.156	1.004	2.948	3.243	0.162		21.3		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.04	6825.00	175	136.1	15.0	14.33	15.0	14.87	Back	5	4.490	1.167	1.004	5.261	5.787	0.289	Plot	18.7		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.09	6985.00	207	136.1	15.0	13.72	15.0	14.97	Back	5	3.380	1.343	1.004	4.557	5.013	0.251		19.4		
Body-worn	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.08	6345.00	79	136.1	15.0	14.42	15.0	14.99	Front	5	0.707	1.143	1.004	0.811	0.892	0.045		26.9		

Note: To achieve the 18 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 15 dBm.

Table 12-261

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Adjusted 10g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (10g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.04	6025.00	15	136.1	15.0	13.96	15.0	14.51	Back	0	0.418	1.271	1.004	0.533	0.586	0.146		21.7	20.7	14.0
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6345.00	79	136.1	15.0	14.42	15.0	14.99	Back	0	0.361	1.143	1.004	0.414	0.455	0.114		22.8		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6025.00	15	136.1	15.0	13.96	15.0	14.51	Front	0	0.105	1.271	1.004	0.134	0.147	0.037		27.7		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.09	6345.00	79	136.1	15.0	14.42	15.0	14.99	Front	0	0.057	1.143	1.004	0.065	0.072	0.018		30.8		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	-0.04	6025.00	15	136.1	15.0	13.96	15.0	14.51	Top	0	0.505	1.271	1.004	0.644	0.708	0.177		20.8		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	-0.05	6345.00	79	136.1	15.0	14.42	15.0	14.99	Top	0	0.564	1.143	1.004	0.647	0.712	0.178		20.8		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6505.00	111	136.1	15.0	14.37	15.0	14.91	Top	0	0.520	1.156	1.004	0.604	0.664	0.166		21.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.08	6825.00	175	136.1	15.0	14.33	15.0	14.87	Top	0	0.353	1.167	1.004	0.414	0.455	0.114		22.8		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	-0.04	6985.00	207	136.1	15.0	13.72	15.0	14.97	Top	0	0.488	1.343	1.004	0.658	0.724	0.182		20.7		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6025.00	15	136.1	15.0	13.96	15.0	14.51	Right	0	0.067	1.271	1.004	0.085	0.094	0.023		29.6		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.04	6345.00	79	136.1	15.0	14.42	15.0	14.99	Right	0	0.033	1.143	1.004	0.038	0.042	0.011		33.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.07	6025.00	15	136.1	15.0	13.96	15.0	14.51	Left	0	0.021	1.271	1.004	0.027	0.030	0.008		34.6		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.05	6345.00	79	136.1	15.0	14.42	15.0	14.99	Left	0	0.017	1.143	1.004	0.020	0.022	0.006		36.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Phablet 4.0 W/kg (mW/g) averaged over 10 grams											

Note: To achieve the 18 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 15 dBm.

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.04	6025.00	15	136.1	15.0	13.96	15.0	14.51	Back	0	9.870	1.271	1.004	12.595	13.855	0.693		15.0	14.1	14.0
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6345.00	79	136.1	15.0	14.42	15.0	14.99	Back	0	8.440	1.143	1.004	9.686	10.655	0.532		16.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6025.00	15	136.1	15.0	13.96	15.0	14.51	Front	0	2.350	1.271	1.004	2.999	3.299	0.165		21.2		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.09	6345.00	79	136.1	15.0	14.42	15.0	14.99	Front	0	1.300	1.143	1.004	1.492	1.641	0.083		24.2		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	-0.04	6025.00	15	136.1	15.0	13.96	15.0	14.51	Top	0	12.000	1.271	1.004	15.313	16.844	0.843		14.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	-0.05	6345.00	79	136.1	15.0	14.42	15.0	14.99	Top	0	13.900	1.143	1.004	15.263	16.789	0.839		14.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6505.00	111	136.1	15.0	14.37	15.0	14.91	Top	0	12.200	1.156	1.004	14.160	15.576	0.779		14.4		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.08	6825.00	175	136.1	15.0	14.33	15.0	14.87	Top	0	8.190	1.167	1.004	9.596	10.556	0.528		16.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	-0.04	6985.00	207	136.1	15.0	13.72	15.0	14.97	Top	0	11.400	1.343	1.004	15.371	16.908	0.846		14.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6025.00	15	136.1	15.0	13.96	15.0	14.51	Right	0	1.510	1.271	1.004	1.927	2.120	0.106		23.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.04	6345.00	79	136.1	15.0	14.42	15.0	14.99	Right	0	0.757	1.143	1.004	0.869	0.956	0.047		26.6		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.07	6025.00	15	136.1	15.0	13.96	15.0	14.51	Left	0	0.478	1.271	1.004	0.610	0.671	0.034		28.1		
Phablet	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.05	6345.00	79	136.1	15.0	14.42	15.0	14.99	Left	0	0.371	1.143	1.004	0.426	0.469	0.023		29.7		

Note: To achieve the 18 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 15 dBm.

Table 12-262 | Plot 106

Exposure	Band / Mode	Bandwidth [MHz]	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.04	6025.00	15	136.1	10.0	9.63	10.0	9.39	Back	0	0.688	1.151	1.004	0.795	0.875	0.547		10.9	9.3	9.0
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.02	6025.00	15	136.1	10.0	9.63	10.0	9.39	Top	0	0.725	1.151	1.004	0.838	0.922	0.576		10.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6345.00	79	136.1	10.0	8.99	10.0	9.49	Top	0	0.842	1.262	1.004	1.067	1.174	0.734		9.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	-0.16	6505.00	111	136.1	10.0	9.19	10.0	9.46	Top	0	0.956	1.205	1.004	1.157	1.273	0.795	Plot	9.3		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.08	6505.00	111	136.1	10.0	9.19	10.0	9.46	Top	0	0.947	1.205	1.004	1.146	1.261	0.788		9.4		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.09	6825.00	175	136.1	10.0	8.78	10.0	9.56	Top	0	0.704	1.324	1.004	0.936	1.030	0.644		10.2		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.01	6985.00	207	136.1	10.0	9.06	10.0	9.66	Top	0	0.601	1.242	1.004	0.749	0.824	0.515		11.2		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.08	6025.00	15	136.1	10.0	9.63	10.0	9.39	Bottom	0	0.001	1.151	1.004	0.001	0.001	0.001		39.3		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.01	6025.00	15	136.1	10.0	9.63	10.0	9.39	Right	0	0.091	1.151	1.004	0.105	0.116	0.073		19.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.01	6025.00	15	136.1	10.0	9.63	10.0	9.39	Left	0	0.009	1.151	1.004	0.010	0.011	0.007		29.8		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: Blue entry represents variability measurement

Note: To achieve the 13 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 10 dBm.

Exposure	Band/ Mode	Bandwidth [MHz]	Service/ Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported APD [W/m² (4cm²)]	Reported APD with Multi Tx Factor [W/m² (4cm²)]	APD Exposure Ratio with Multi Tx Factor	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.04	6025.00	15	136.1	10.0	9.63	10.0	9.39	Back	0	3.430	1.151	1.004	3.964	4.360	0.218		15.0	13.4	9.0
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.02	6025.00	15	136.1	10.0	9.63	10.0	9.39	Top	0	3.690	1.151	1.004	4.264	4.690	0.234		14.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.06	6345.00	79	136.1	10.0	8.99	10.0	9.49	Top	0	4.170	1.262	1.004	5.284	5.812	0.290		13.7		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	-0.16	6505.00	111	136.1	10.0	9.19	10.0	9.46	Top	0	4.740	1.205	1.004	5.735	6.309	0.316	Plot	13.4		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.08	6505.00	111	136.1	10.0	9.19	10.0	9.46	Top	0	4.710	1.205	1.004	5.698	6.268	0.314		13.4		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.09	6825.00	175	136.1	10.0	8.78	10.0	9.56	Top	0	3.360	1.324	1.004	4.466	4.913	0.245		14.5		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.01	6985.00	207	136.1	10.0	9.06	10.0	9.66	Top	0	2.930	1.242	1.004	3.654	4.019	0.201		15.3		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.08	6025.00	15	136.1	10.0	9.63	10.0	9.39	Bottom	0	0.014	1.151	1.004	0.016	0.018	0.001		38.9		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.01	6025.00	15	136.1	10.0	9.63	10.0	9.39	Right	0	0.410	1.151	1.004	0.474	0.521	0.026		24.2		
Body	6 GHz WIFI/ IEEE 802.11ax	160	OFDM	MIMO	0103M	99.56	0.01	6025.00	15	136.1	10.0	9.63	10.0	9.39	Left	0	0.070	1.151	1.004	0.081	0.089	0.004		31.9		

Note: Blue entry represents variability measurement

Note: To achieve the 13 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 10 dBm.

12.17 2.4 GHz Bluetooth SISO Standalone SAR

Table 12-263

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	2.4 GHz Bluetooth	FHSS	H	0167M	77.06	0.05	2402.00	0	1	20.0	19.31	Right Cheek	0	0.058	1.172	1.025	0.070	0.940	0.588		30.5	30.3	30.3
Head	2.4 GHz Bluetooth	FHSS	H	0167M	77.06	0.02	2402.00	0	1	20.0	19.31	Right Tilt	0	0.020	1.172	1.025	0.024	0.324	0.203		35.1		
Head	2.4 GHz Bluetooth	FHSS	H	0167M	77.06	0.10	2402.00	0	1	20.0	19.31	Left Cheek	0	0.061	1.172	1.025	0.073	0.989	0.618		30.3		
Head	2.4 GHz Bluetooth	FHSS	H	0167M	77.06	0.08	2402.00	0	1	20.0	19.31	Left Tilt	0	0.039	1.172	1.025	0.047	0.632	0.395		32.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Head 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-264 | Plot A107

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	0.02	2441.00	39	1	20.0	19.73	Right Cheek	0	0.191	1.064	1.025	0.208	0.829	0.518		25.7	25.0	25.0
Head	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	0.01	2441.00	39	1	20.0	19.73	Right Tilt	0	0.219	1.064	1.025	0.239	0.951	0.594		25.1		
Head	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	0.11	2441.00	39	1	20.0	19.73	Left Cheek	0	0.224	1.064	1.025	0.244	0.973	0.608	Plot	25.0		
Head	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	0.03	2441.00	39	1	20.0	19.73	Left Tilt	0	0.214	1.064	1.025	0.233	0.929	0.581		25.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Head 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-265 | Plot A108

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn/Hotspot	2.4 GHz Bluetooth	FHSS	H	0167M	77.06	0.04	2402.00	0	1	20.0	19.31	Back	5	0.464	1.172	1.025	0.557	0.991	0.619	Plot	21.5	21.5	21.5
Body-worn/Hotspot	2.4 GHz Bluetooth	FHSS	H	0167M	77.06	-0.03	2402.00	0	1	20.0	19.31	Front	5	0.059	1.172	1.025	0.071	0.126	0.079		30.4		
Hotspot	2.4 GHz Bluetooth	FHSS	H	0167M	77.06	-0.12	2402.00	0	1	20.0	19.31	Right	10	0.124	1.172	1.025	0.149	0.265	0.166		27.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-266

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	0.01	2441.00	39	1	20.0	19.73	Back	5	0.349	1.064	1.025	0.381	0.978	0.611		23.1	23.1	23.1
Body-worn	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	-0.02	2441.00	39	1	20.0	19.73	Front	5	0.099	1.064	1.025	0.108	0.278	0.174		28.6		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-267 | Plot A109

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Adjusted 10g SAR [W/kg]	Exposure Ratio (10g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	-0.09	2441.00	39	1	20.0	19.73	Back	0	0.536	1.064	1.025	0.585	1.503	0.376		25.2	24.0	23.1
Phablet	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	0.03	2441.00	39	1	20.0	19.73	Front	0	0.156	1.064	1.025	0.170	0.437	0.109		30.6		
Phablet	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	0.01	2441.00	39	1	20.0	19.73	Top	0	0.706	1.064	1.025	0.770	1.979	0.495	Plot	24.0		
Phablet	2.4 GHz Bluetooth	FHSS	F	0167M	77.06	-0.12	2441.00	39	1	20.0	19.73	Left	0	0.045	1.064	1.025	0.049	0.126	0.032		36.0		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Phablet 4.0 W/kg (mW/g) averaged over 10 grams											

Table 12-268 | Plot A110

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	0.08	2402.00	0	1	13.5	13.35	Back	0	0.955	1.035	1.025	1.013	1.114	0.696		12.4	11.9	11.9
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	-0.11	2441.00	39	1	13.5	13.42	Back	0	1.080	1.019	1.025	1.128	1.241	0.776	Plot	11.9		
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	-0.02	2480.00	78	1	13.5	12.62	Back	0	0.906	1.225	1.025	1.138	1.252	0.782		11.9		
Body	2.4 GHz Bluetooth LE	DSSS	H	0093M	85.25	0.05	2402.00	0	1	13.5	13.14	Back	0	0.799	1.086	1.021	0.886	0.975	0.609		13.4		
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	-0.11	2441.00	39	1	13.5	13.42	Top	0	0.051	1.019	1.025	0.053	0.058	0.036		25.2		
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	0.16	2441.00	39	1	13.5	13.42	Bottom	0	0.000	1.019	1.025	0.000	0.000	0.000		52.2		
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	0.00	2402.00	0	1	13.5	13.35	Right	0	0.756	1.035	1.025	0.802	0.882	0.551		13.4		
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	-0.08	2441.00	39	1	13.5	13.42	Right	0	0.821	1.019	1.025	0.858	0.944	0.590		13.1		
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	0.04	2480.00	78	1	13.5	12.62	Right	0	0.689	1.225	1.025	0.865	0.952	0.595		13.1		
Body	2.4 GHz Bluetooth	FHSS	H	0081M	77.06	0.06	2441.00	39	1	13.5	13.42	Left	0	0.000	1.019	1.025	0.000	0.000	0.000		52.2		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram											

Table 12-269

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz Bluetooth	FHSS	F	0081M	77.06	0.01	2402.00	0	1	15.0	14.94	Back	0	0.366	1.014	1.025	0.380	0.418	0.262		18.1	14.2	13.4
Body	2.4 GHz Bluetooth	FHSS	F	0081M	77.06	0.02	2402.00	0	1	15.0	14.94	Top	0	0.910	1.014	1.025	0.946	1.041	0.650		14.2		
Body	2.4 GHz Bluetooth	FHSS	F	0081M	77.06	0.00	2441.00	39	1	15.0	14.63	Top	0	0.814	1.089	1.025	0.909	1.000	0.625		14.3		
Body	2.4 GHz Bluetooth	FHSS	F	0081M	77.06	-0.01	2480.00	78	1	15.0	14.69	Top	0	0.745	1.074	1.025	0.820	0.902	0.564		14.8		
Body	2.4 GHz Bluetooth LE	DSSS	F	0093M	85.25	-0.05	2402.00	0	1	15.0	14.66	Top	0	0.896	1.081	1.021	0.989	1.088	0.680		14.4		
Body	2.4 GHz Bluetooth	FHSS	F	0081M	77.06	0.01	2402.00	0	1	15.0	14.94	Bottom	0	0.000	1.014	1.025	0.000	0.000	0.000		53.8		
Body	2.4 GHz Bluetooth	FHSS	F	0081M	77.06	0.06	2402.00	0	1	15.0	14.94	Right	0	0.010	1.014	1.025	0.010	0.011	0.007		33.8		
Body	2.4 GHz Bluetooth	FHSS	F	0081M	77.06	-0.18	2402.00	0	1	15.0	14.94	Left	0	0.004	1.014	1.025	0.004	0.004	0.003		37.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population												Body 1.6 W/kg (mW/g) averaged over 1 gram											

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

12.18 2.4 GHz Bluetooth MIMO Standalone SAR

Table 12-270

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Head	2.4 GHz Bluetooth	FHSS	MIMO	0167M	77.12	0.18	2402.00	0	1	15.0	14.26	16.0	15.37	Right Cheek	0	0.026	1.186	1.024	0.032	0.213	0.133		32.5	25.9	25.9
Head	2.4 GHz Bluetooth	FHSS	MIMO	0167M	77.12	-0.07	2402.00	0	1	15.0	14.26	16.0	15.37	Right Tilt	0	0.030	1.186	1.024	0.036	0.246	0.154		31.9		
Head	2.4 GHz Bluetooth	FHSS	MIMO	0167M	77.12	0.07	2402.00	0	1	15.0	14.26	16.0	15.37	Left Cheek	0	0.040	1.186	1.024	0.049	0.328	0.205		30.7		
Head	2.4 GHz Bluetooth	FHSS	MIMO	0167M	77.12	0.08	2402.00	0	1	15.0	14.26	16.0	15.37	Left Tilt	0	0.119	1.186	1.024	0.145	0.977	0.611		25.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population														Head 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 18.5 dBm maximum allowed MIMO power for Bluetooth shown in the documentation, Antenna H transmits at a maximum allowed power of 15 dBm, and Antenna F transmits at a maximum allowed power of 16 dBm.

Table 12-271

Exposure	Band / Mode	Service / Modulation	Ant.	Configuration	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR [W/kg]	Exposure Ratio (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body-worn	2.4 GHz Bluetooth	FHSS	MIMO	1	0167M	77.12	-0.04	2402.00	0	1	15.0	14.26	16.0	15.37	Back	5	0.146	1.186	1.024	0.177	0.974	0.609		25.0	25.0	25.0
Body-worn	2.4 GHz Bluetooth	FHSS	MIMO	2	0167M	77.12	0.07	2402.00	0	1	15.0	14.26	16.0	15.37	Back	5	0.108	1.186	1.024	0.131	0.721	0.451		26.3		
Body-worn	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0167M	77.12	0.06	2402.00	0	1	15.0	14.26	16.0	15.37	Front	5	0.052	1.186	1.024	0.063	0.347	0.217		29.5		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 18.5 dBm maximum allowed MIMO power for Bluetooth shown in the documentation, Antenna H transmits at a maximum allowed power of 15 dBm, and Antenna F transmits at a maximum allowed power of 16 dBm.

Table 12-272

Exposure	Band / Mode	Service / Modulation	Ant.	Configuration	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 10g SAR [W/kg]	Adjusted 10g SAR [W/kg]	Exposure Ratio (10g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Phablet	2.4 GHz Bluetooth	FHSS	MIMO	1	0167M	77.12	0.03	2402.00	0	1	15.0	14.26	16.0	15.37	Back	0	0.257	1.186	1.024	0.312	1.715	0.429		26.6	26.6	25.0
Phablet	2.4 GHz Bluetooth	FHSS	MIMO	2	0167M	77.12	0.05	2402.00	0	1	15.0	14.26	16.0	15.37	Back	0	0.133	1.186	1.024	0.162	0.887	0.222		29.4		
Phablet	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0167M	77.12	0.09	2402.00	0	1	15.0	14.26	16.0	15.37	Front	0	0.085	1.186	1.024	0.103	0.567	0.142		31.4		
Phablet	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0167M	77.12	0.03	2402.00	0	1	15.0	14.26	16.0	15.37	Top	0	0.115	1.186	1.024	0.140	0.767	0.192		30.1		
Phablet	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0167M	77.12	0.00	2402.00	0	1	15.0	14.26	16.0	15.37	Right	0	0.160	1.186	1.024	0.194	1.068	0.267		28.6		
Phablet	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0167M	77.12	-0.04	2402.00	0	1	15.0	14.26	16.0	15.37	Left	0	0.003	1.186	1.024	0.004	0.020	0.005		45.9		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Phablet 4.0 W/kg (mW/g) averaged over 10 grams											

Note: To achieve the 18 dBm maximum allowed MIMO power shown in the documentation, each antenna transmits at a maximum allowed power of 15 dBm.

Table 12-273

Exposure	Band / Mode	Service / Modulation	Ant.	Configuration	Serial Number	Duty Cycle [%]	Power Drift [dB]	Frequency [MHz]	Channel #	Data Rate [Mbps]	Max Allowed Power [dBm]	Conducted Power [dBm]	Max Allowed Power (2nd ant) [dBm]	Conducted Power (2nd ant) [dBm]	Test Position	Spacing [mm]	Measured 1g SAR [W/kg]	Power Scaling Factor	Duty Cycle Scaling Factor	Reported 1g SAR [W/kg]	Adjusted 1g SAR with Multi Tx Factor [W/kg]	Exposure Ratio with Multi Tx Factor (1g SAR)	Plot #	Plimit [dBm]	Overall Plimit [dBm]	EFS Plimit [dBm]
Body	2.4 GHz Bluetooth	FHSS	MIMO	1	0081M	77.12	-0.04	2402.00	0	1	14.0	13.47	15.0	14.19	Back	0	0.912	1.205	1.024	1.125	1.238	0.773		16.1	16.0	15.9
Body	2.4 GHz Bluetooth	FHSS	MIMO	2	0081M	77.12	0.18	2402.00	0	1	14.0	13.47	15.0	14.19	Back	0	0.559	1.205	1.024	0.690	0.759	0.474		18.2		
Body	2.4 GHz Bluetooth	FHSS	MIMO	1	0081M	77.12	0.05	2441.00	39	1	14.0	13.44	15.0	14.29	Back	0	0.926	1.178	1.024	1.117	1.229	0.768		16.1		
Body	2.4 GHz Bluetooth	FHSS	MIMO	2	0081M	77.12	-0.10	2441.00	39	1	14.0	13.44	15.0	14.29	Back	0	0.502	1.178	1.024	0.606	0.667	0.417		18.7		
Body	2.4 GHz Bluetooth	FHSS	MIMO	2	0081M	77.12	0.13	2480.00	78	1	14.0	12.92	15.0	13.98	Back	0	0.537	1.282	1.024	0.705	0.776	0.485		18.0		
Body	2.4 GHz Bluetooth	FHSS	MIMO	1	0081M	77.12	0.00	2480.00	78	1	14.0	12.92	15.0	13.98	Back	0	0.861	1.282	1.024	1.130	1.243	0.777		16.0		
Body	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0081M	77.12	-0.01	2402.00	0	1	14.0	13.47	15.0	14.19	Top	0	0.919	1.205	1.024	1.134	1.247	0.780		16.0		
Body	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0081M	77.12	-0.08	2441.00	39	1	14.0	13.44	15.0	14.29	Top	0	0.710	1.178	1.024	0.856	0.942	0.589		17.2		
Body	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0081M	77.12	-0.16	2480.00	78	1	14.0	12.92	15.0	13.98	Top	0	0.796	1.282	1.024	1.045	1.150	0.718		16.3		
Body	2.4 GHz Bluetooth LE	DSSS	MIMO	N/A	0093M	85.46	-0.13	2402.00	0	1	14.0	13.26	15.0	14.53	Top	0	0.810	1.186	1.018	0.978	1.076	0.672		17.1		
Body	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0081M	77.12	-0.02	2441.00	39	1	14.0	13.44	15.0	14.29	Bottom	0	0.018	1.178	1.024	0.022	0.024	0.015		33.2		
Body	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0081M	77.12	-0.04	2441.00	39	1	14.0	13.44	15.0	14.29	Right	0	0.645	1.178	1.024	0.778	0.856	0.535		17.6		
Body	2.4 GHz Bluetooth	FHSS	MIMO	N/A	0081M	77.12	0.03	2441.00	39	1	14.0	13.44	15.0	14.29	Left	0	0.000	1.178	1.024	0.000	0.000	0.000		55.7		
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram											

Note: To achieve the 17.5 dBm maximum allowed MIMO power for Bluetooth shown in the documentation, Antenna H transmits at a maximum allowed power of 14 dBm, and Antenna F transmits at a maximum allowed power of 15 dBm.

12.19 UWB Standalone SAR

Table 12-274 | Plot A111

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Exposure Ratio (10g SAR)	Plot #
Phablet	UWB	CW	G	0512M	1:1	0.09	6489.60	5	Back	0	0.004	0.001	Plot
Phablet	UWB	CW	G	0512M	1:1	0.05	7987.20	9	Back	0	0.001	0.000	
Phablet	UWB	CW	G	0512M	1:1	0.03	6489.60	5	Front	0	0.002	0.001	
Phablet	UWB	CW	G	0512M	1:1	0.06	7987.20	9	Front	0	0.000	0.000	
Phablet	UWB	CW	G	0512M	1:1	0.06	6489.60	5	Top	0	0.001	0.000	
Phablet	UWB	CW	G	0512M	1:1	0.02	7987.20	9	Top	0	0.001	0.000	
Phablet	UWB	CW	G	0512M	1:1	0.03	6489.60	5	Right	0	0.001	0.000	
Phablet	UWB	CW	G	0512M	1:1	0.09	7987.20	9	Right	0	0.001	0.000	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population									Phablet 4.0 W/kg (mW/g) averaged over 10 grams				

Exposure	Band/ Mode	Service/ Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	APD Exposure Ratio	Plot #
Phablet	UWB	CW	G	0512M	1:1	0.09	6489.60	5	Back	0	0.102	0.005	Plot
Phablet	UWB	CW	G	0512M	1:1	0.05	7987.20	9	Back	0	0.025	0.001	
Phablet	UWB	CW	G	0512M	1:1	0.03	6489.60	5	Front	0	0.033	0.002	
Phablet	UWB	CW	G	0512M	1:1	0.06	7987.20	9	Front	0	0.011	0.001	
Phablet	UWB	CW	G	0512M	1:1	0.06	6489.60	5	Top	0	0.025	0.001	
Phablet	UWB	CW	G	0512M	1:1	0.02	7987.20	9	Top	0	0.025	0.001	
Phablet	UWB	CW	G	0512M	1:1	0.03	6489.60	5	Right	0	0.033	0.002	
Phablet	UWB	CW	G	0512M	1:1	0.09	7987.20	9	Right	0	0.029	0.001	

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 12-275 | Plot A112

Exposure	Band / Mode	Service / Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Exposure Ratio (10g SAR)	Plot #
Body	UWB	CW	G	0512M	1:1	0.01	6489.60	5	Back	0	0.000	0.000	
Body	UWB	CW	G	0512M	1:1	0.09	7987.20	9	Back	0	0.000	0.000	
Body	UWB	CW	G	0512M	1:1	0.02	6489.60	5	Top	0	0.000	0.000	
Body	UWB	CW	G	0512M	1:1	0.03	7987.20	9	Top	0	0.001	0.000	
Body	UWB	CW	G	0512M	1:1	0.07	6489.60	5	Bottom	0	0.002	0.001	Plot
Body	UWB	CW	G	0512M	1:1	0.01	7987.20	9	Bottom	0	0.002	0.001	
Body	UWB	CW	G	0512M	1:1	0.05	6489.60	5	Right	0	0.000	0.000	
Body	UWB	CW	G	0512M	1:1	0.09	7987.20	9	Right	0	0.000	0.000	
Body	UWB	CW	G	0512M	1:1	0.05	6489.60	5	Left	0	0.000	0.000	
Body	UWB	CW	G	0512M	1:1	0.08	7987.20	9	Left	0	0.001	0.000	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population									Body 1.6 W/kg (mW/g) averaged over 1 gram				

Exposure	Band/ Mode	Service/ Modulation	Ant.	Serial Number	Duty Cycle	Power Drift [dB]	Frequency [MHz]	Channel #	Test Position	Spacing [mm]	Measured APD [W/m² (4cm²)]	APD Exposure Ratio	Plot #
Body	UWB	CW	G	0512M	1:1	0.01	6489.60	5	Back	0	0.017	0.001	
Body	UWB	CW	G	0512M	1:1	0.09	7987.20	9	Back	0	0.011	0.001	
Body	UWB	CW	G	0512M	1:1	0.02	6489.60	5	Top	0	0.011	0.001	
Body	UWB	CW	G	0512M	1:1	0.03	7987.20	9	Top	0	0.023	0.001	
Body	UWB	CW	G	0512M	1:1	0.07	6489.60	5	Bottom	0	0.059	0.003	Plot
Body	UWB	CW	G	0512M	1:1	0.01	7987.20	9	Bottom	0	0.042	0.002	
Body	UWB	CW	G	0512M	1:1	0.05	6489.60	5	Right	0	0.007	0.000	
Body	UWB	CW	G	0512M	1:1	0.09	7987.20	9	Right	0	0.005	0.000	
Body	UWB	CW	G	0512M	1:1	0.05	6489.60	5	Left	0	0.004	0.000	
Body	UWB	CW	G	0512M	1:1	0.08	7987.20	9	Left	0	0.031	0.002	

12.20 NFC Standalone SAR

Table 12-276 | Plot A113

Exposure	Band / Mode	Signal Type	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Exposure Ratio (10g SAR)	Plot #
Phablet	NFC	B	NFC	0158R	0.08	13.60	Back	0	0.000	0.000	Plot
Phablet	NFC	B	NFC	0158R	0.08	13.60	Front	0	0.000	0.000	
Phablet	NFC	B	NFC	0158R	0.08	13.60	Top	0	0.000	0.000	
Phablet	NFC	B	NFC	0158R	0.01	13.60	Left	0	0.000	0.000	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population							Phablet 4.0 W/kg (mW/g) averaged over 10 grams				

Table 12-277 | Plot A114

Exposure	Band / Mode	Signal Type	Ant.	Serial Number	Power Drift [dB]	Frequency [MHz]	Test Position	Spacing [mm]	Measured 10g SAR [W/kg]	Exposure Ratio (10g SAR)	Plot #
Body	NFC	B	NFC	0158R	0.09	13.60	Back	0	0.000	0.000	Plot
Body	NFC	B	NFC	0158R	0.08	13.60	Top	0	0.000	0.000	
Body	NFC	B	NFC	0158R	0.03	13.60	Bottom	0	0.000	0.000	
Body	NFC	B	NFC	0158R	0.03	13.60	Right	0	0.000	0.000	
Body	NFC	B	NFC	0158R	0.07	13.60	Left	0	0.000	0.000	
ANSI/IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population							Body 1.6 W/kg (mW/g) averaged over 1 gram				

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in IEEE 1528-2013, and FCC KDB Publication 447498 D04v01.
2. Batteries are fully charged at the beginning of the SAR measurements.
3. Liquid tissue depth was at least 15.0 cm for all frequencies.
4. The manufacturer has confirmed that the device(s) tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
5. SAR results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04v01.
6. Device was tested using a fixed spacing for body-worn accessory testing. A separation distance of 5 mm was considered to ensure compliance with all body-worn accessories available in the marketplace.
7. Per FCC KDB Publication 648474 D01v06r03, body-worn SAR was evaluated without a headset connected to the device. Since the standalone reported body-worn SAR was ≤ 1.2 W/kg, no additional body-worn SAR evaluations using a headset cable were required.
8. Per FCC KDB 865664 D01v01r04, variability SAR tests were performed when the measured SAR results for a frequency band were greater than or equal to 0.8 W/kg. Repeated SAR measurements are highlighted in the tables above for clarity. Please see Section 14 for variability analysis.
9. During SAR Testing for the Wireless Router conditions per FCC KDB Publication 941225 D06v02r01, the actual Portable Hotspot operation (with actual simultaneous transmission of a transmitter with WIFI) was not activated (See Section 7.7 for more details).
10. Per FCC KDB Publication 648474 D01v06r03, this device is considered a "phablet" when it is in the closed configuration since the display diagonal dimension is > 150 mm and < 200 mm. Therefore, phablet SAR tests are required when wireless router mode does not apply or if wireless router 1g SAR > 1.2 W/kg.
11. This device supports dynamic antenna tuning for some bands. Per FCC Guidance, SAR was measured according to the normally required SAR measurement configurations with tuner active. The auto-tune state determined by the device was verified before and after each SAR measurement and is listed in tables above. Please see Section 15 for supplemental data.
12. Unless otherwise noted, when 10g SAR measurement is considered, a factor of 2.5 is applied to the 1g thresholds for the equivalent test cases.
13. This device uses Qualcomm Smart Transmit for WWAN/WLAN/BT operations to control and manage transmitting power in real time to ensure RF Exposure compliance. Per FCC Guidance, compliance for was assessed at the minimum of the time averaged power and the maximum output power for each band/mode/exposure condition (DSI).
14. Per October 2020 TCB Workshop notes, absorbed power density (APD) using a 4cm2 averaging area is reported based on SAR measurements.
15. Per FCC KDB Publication 616217 D04v01r02 Section 4.3, SAR tests are required for the back surface and edges of device with the device touching the phantom when the device is in the open configuration. The SAR Exclusion Threshold in FCC KDB 447498 D04v01 was applied to determine SAR test exclusion for adjacent edge configurations.
16. When testing Head/Body-worn/Hotspot/Phablet exposure conditions, the DUT is in closed configuration. When testing Body exposure conditions, the DUT is in an open configuration.
17. For Bluetooth MIMO and 2.4 GHz WLAN MIMO back side testing, the device was tested with a right tilt (Configuration 1) and top tilt (Configuration 2) to ensure both antenna hotspots are recorded and the most conservative SAR measurement is taken.

GSM Test Notes:

1. Body-Worn accessory testing is typically associated with voice operations. Per FCC guidance, since the frame average target of GPRS is higher than GSM, GPRS was evaluated for body-worn SAR.
2. Justification for reduced test configurations per KDB Publication 941225 D01v03r01 and October 2013 TCB Workshop Notes: The source-based frame-averaged output power was evaluated for all

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

GPRS/EDGE slot configurations. The configuration with the highest target frame averaged output power was evaluated for hotspot SAR. When the maximum frame-averaged powers are equivalent across two or more slots (within 0.25 dB), the configuration with the most number of time slots was tested.

3. Per FCC KDB Publication 447498 D04v01, if the reported (scaled) SAR measured at the highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s).

UMTS Notes:

1. UMTS mode was tested under RMC 12.2 kbps with HSPA Inactive per KDB Publication 941225 D01v03r01. AMR and HSPA SAR was not required per the 3G Test Reduction Procedure in KDB Publication 941225 D01v03r01.
2. Per FCC KDB Publication 447498 D04v01, if the reported (scaled) SAR measured at the highest output power channel for each test configuration is ≤ 0.8 W/kg for 1g evaluations then testing at the other channels is not required for such test configuration(s).

LTE Notes:

1. LTE test configurations are determined according to SAR Evaluation Considerations for LTE Devices in FCC KDB Publication 941225 D05v02r04. The general test procedures used for testing can be found in Section 9.5.4.
2. MPR is permanently implemented for this device by the manufacturer. The specific manufacturer target MPR is indicated alongside the SAR results. MPR is enabled for this device, according to 3GPP TS36.101 Section 6.2.3 – 6.2.5 under Table 6.2.3-1.
3. A-MPR was disabled for all SAR tests by setting NS=01 and MCC=001 on the base station simulator. SAR tests were performed with the same number of RB and RB offsets transmitting on all TTI frames (maximum TTI).
4. Per FCC KDB Publication 447498 D04v01, when the reported 1g SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for LTE B41/48, testing at the other channels was required for such test configurations.
5. TDD LTE was tested per the guidance provided in FCC KDB Publication 941225 D05v02r04. Testing was performed using UL-DL configuration 0 with 6 UL subframes and 2 S subframes using extended cyclic prefix only and special subframe configuration 6. SAR tests were performed at maximum output power and worst-case transmission duty factor in extended cyclic prefix. Per 3GPP 36.211 Section 4, the duty factor for special subframe configuration 6 using extended cyclic prefix is 0.633.
6. Per KDB Publication 941225 D05Av01r02, SAR for downlink only LTE CA operations was not needed since the maximum average output power in LTE CA mode was not >0.25 dB higher than the maximum output power when downlink carrier aggregation was inactive.
7. For LTE Band 48 per FCC guidance, SAR was first measured with only a single carrier active in the uplink (carrier aggregation not active). For each exposure condition, the uplink CA scenario with two component carriers was additionally tested for the configuration with the highest SAR when carrier aggregation was not active. The SCC was configured with the closest available contiguous channel. The two component carriers were configured so the resource blocks are physically allocated side by side to achieve the maximum output power.

NR Notes:

1. NR implementation supports SA and NSA mode. In EN-DC mode, NR operates with the LTE Bands shown in the NR FR1 checklist acting as anchor bands. Per FCC guidance, SAR tests for NR Bands and LTE Anchors Bands were performed separately due to limitations in SAR probe calibration factors.
2. Due to test setup limitations, SAR testing for NR TDD was performed using test mode software to establish the connection.
3. Simultaneous transmission analysis for EN-DC operations is addressed in the Part 2 Test Report (Serial Number can be found in the bibliography).
4. This device additionally supports some EN-DC conditions where additional LTE carriers are added on the downlink only.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

5. Per FCC Guidance, NR modulations and RB Sizes/Offsets were selected for testing such that configurations with the highest output power were evaluated for SAR tests.
6. Per FCC KDB Publication 447498 D04v01, when the reported NR Band n77 C-Band SAR measured at the highest output power channel in a given a test configuration was > 0.4 W/kg for 1g evaluations and > 1 W/kg for 10g evaluation, testing at the other channels was required for such test configurations.
7. Per FCC KDB Publication 447498 D04v01, when the reported NR Band n41/48 SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for 1g evaluations and > 1.5 W/kg for 10g evaluation, testing at the other channels was required for such test configurations.
8. SRS was tested with CW signal per Qualcomm guidance in 80-w2112-4.
9. For final implementation, NR Band n38, n41, n48, n78, and n77 slot configuration is synchronized using maximum duty cycle of 100%. SAR testing was performed using FTM mode with a 100% duty cycle applied to match final duty cycle.
10. Per FCC Guidance, C-Band for NR n77 (3705 – 3975 MHz) was fully tested according to FCC procedures. For each exposure condition and antenna, the worst-case position was additionally evaluated for the NR n77 DoD (3455.01 – 3544.98 MHz).
11. This device uses two transmit pathways for n38, n41, n48, n78, and n77 operations (Path 1 and Path 2). For each exposure condition, the pathway with the highest target power was fully evaluated. Conducted powers for the other path.

WLAN Notes:

1. For held-to-ear, hotspot, and phablet operations, the initial test position procedures were applied. The test position with the highest extrapolated peak SAR will be used as the initial test position. When reported SAR for the initial test position is ≤ 0.4 W/kg for 1g evaluations, no additional testing for the remaining test positions was required. Otherwise, SAR is evaluated at the subsequent highest peak SAR positions until the reported SAR result is ≤ 0.8 W/kg or all test positions are measured.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 2.4 GHz WIFI single transmission chain operations, the highest measured maximum output power channel for DSSS was selected for SAR measurement. SAR for OFDM modes (2.4 GHz 802.11g/n/ax) was not required due to the maximum allowed powers and the highest reported DSSS SAR. See Section 9.6.5 for more information.
3. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 5 GHz WIFI operations, the initial test configuration was selected according to the transmission mode with the highest maximum allowed powers. Other transmission modes were not investigated since the highest reported SAR for initial test configuration adjusted by the ratio of maximum output powers is less than 1.2 W/kg for 1g evaluations. See Section 9.6.6 for more information.
4. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D04v01 by either evaluating the sum of the 1g SAR values of each antenna transmitting independently or making a SAR measurement with both antennas transmitting simultaneously. Please see Multi-TX and Antenna SAR Considerations Appendix for complete analysis.
5. When the maximum reported 1g averaged SAR is ≤0.8 W/kg, SAR testing on additional channels was not required. Otherwise, SAR for the next highest output power channel was required until the reported SAR result was ≤ 1.20 W/kg for 1g evaluations or all test channels were measured.
6. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools. The reported SAR was scaled to 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated EMC test reports.
7. When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.
8. Per FCC guidance, SAR was performed using 6.5 GHz SAR probe calibration factor for WIFI 6E. Per October 2020 TCB Workshop notes, 5 channels were tested for WIFI 6E.

Bluetooth Notes

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

1. Bluetooth SAR was measured with the device connected to a call box with hopping disabled with DH5 operation and Tx Tests test mode type. Per October 2016 TCB Workshop Notes, the reported SAR was scaled to the 79% transmission duty factor for Bluetooth and 87% transmission duty factor for Bluetooth LE to determine compliance. See RF Conducted Power Section for the time domain plot and calculation for the duty factor of the device.
2. Head and Hotspot Bluetooth SAR were evaluated for BT BDR tethering applications.
3. The highest frame average power configurations for both Bluetooth and Bluetooth LE were evaluated for SAR. The worst case configuration was used for the remaining test positions as the most conservative scenario.

UWB Notes:

1. UWB was evaluated for phablet in the closed configuration and tablet in the open configuration based on expected usage conditions.
2. Per FCC guidance, SAR was performed using 6.5 GHz/8GHz probe calibration factor for UWB.

NTN Notes:

1. Due to equipment limitations, NTN was tested using factory test mode software transmitting CW at 100% duty cycle. The results were scaled down to the maximum duty cycle of 71%, declared by the manufacturer.
2. NTN NB-IoT only supports data transmission, therefore only body-worn and phablet exposure conditions in the closed configuration and tablet exposure condition in the open configuration were evaluated.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

13 POWER DENSITY DATA SUMMARY

13.1 6 GHz WIFI Power Density Closed Results

Table 13-1 | Plot A115

MEASUREMENT RESULTS																								
Frequency (MHz)	Channel	Mode	Service	Bandwidth [MHz]	Maximum Allowed Power (Ant 1) [dBm]	Conducted Power (Ant 1) [dBm]	Maximum Allowed Power (Ant 2) [dBm]	Conducted Power (Ant 2) [dBm]	Power Drift (dB)	Spacing (mm)	Antenna Config.	Data Rate (Mbps)	Side	Duty Cycle (%)	Grid Step (λ)	iPD (W/m²)	Scaling Factor for Measurement Uncertainty per IEC 62479	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Normal psPD (W/m²)	Scaled Normal psPD (W/m²)	Total psPD (W/m²)	Scaled Total psPD (W/m²)	Plot #
6505.00	111	802.11ax	OFDM	160	15.00	14.44	N/A	N/A	0.17	2	F	68.1	Back	99.56	0.125	1.600	1.554	1.138	1.004	2.860	5.078	3.070	5.451	
5965.00	3	802.11ax	OFDM	40	17.00	16.91	N/A	N/A	0.08	2	F	16.25	Front	99.27	0.125	-	1.554	1.021	1.007	0.476	0.761	0.502	0.802	
6345.00	79	802.11ax	OFDM	160	15.00	14.45	N/A	N/A	-0.10	2	F	68.1	Top	99.56	0.125	-	1.554	1.135	1.004	1.500	2.656	2.360	4.179	
6025.00	15	802.11ax	OFDM	160	N/A	N/A	15.00	14.53	0.13	2	E	68.1	Back	99.27	0.125	-	1.554	1.114	1.007	2.590	4.515	3.200	5.578	Plot
5965.00	3	802.11ax	OFDM	40	N/A	N/A	17.00	16.81	0.13	2	E	16.25	Front	99.56	0.125	-	1.554	1.045	1.004	1.530	2.495	1.770	2.886	
6025.00	15	802.11ax	OFDM	160	N/A	N/A	15.00	14.53	-0.02	2	E	68.1	Top	99.27	0.125	-	1.554	1.114	1.007	2.050	3.574	2.810	4.899	
6825.00	175	802.11ax	OFDM	160	15.00	14.33	15.00	14.87	-0.14	2	MIMO	136.1	Back	99.56	0.125	-	1.554	1.167	1.004	2.210	4.024	2.330	4.242	
6685.00	147	802.11ax	OFDM	40	17.00	16.52	17.00	16.42	-0.18	2	MIMO	32.5	Front	99.49	0.125	-	1.554	1.143	1.005	1.990	3.552	2.240	3.999	
6985.00	207	802.11ax	OFDM	160	15.00	13.72	15.00	14.97	0.14	2	MIMO	136.1	Top	99.56	0.125	-	1.554	1.343	1.004	1.550	3.248	2.310	4.840	
47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population																	Power Density 10 W/m² averaged over 4 cm²							

13.2 6 GHz WIFI Power Density Open Results

Table 13-2 | Plot A116

MEASUREMENT RESULTS																								
Frequency (MHz)	Channel	Mode	Service	Bandwidth [MHz]	Maximum Allowed Power (Ant 1) [dBm]	Conducted Power (Ant 1) [dBm]	Maximum Allowed Power (Ant 2) [dBm]	Conducted Power (Ant 2) [dBm]	Power Drift (dB)	Spacing (mm)	Antenna Config.	DUT Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	Grid Step (λ)	iPD (W/m²)	Scaling Factor for Measurement Uncertainty per IEC 62479	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Normal psPD (W/m²)	Scaled Normal psPD (W/m²)	Total psPD (W/m²)	Scaled Total psPD (W/m²)	Plot #
6505.00	111	802.11ax	OFDM	160	10.00	9.90	N/A	N/A	-0.04	2	F	0154M	68.1	Top	99.56	0.125	1.360	1.554	1.023	1.004	1.590	2.538	2.000	3.192	
6505.00	111	802.11ax	OFDM	160	10.00	9.90	N/A	N/A	0.15	9.22	F	0154M	68.1	Top	99.56	0.125	0.698	1.554	1.023	1.004	0.497	0.793	0.637	1.017	
6025.00	15	802.11ax	OFDM	160	N/A	N/A	10.00	9.36	-0.14	2	E	0154M	68.1	Back	99.56	0.125	0.713	1.554	1.159	1.004	0.687	1.242	0.729	1.318	
6505.00	111	802.11ax	OFDM	160	10.00	9.19	10.00	9.46	0.12	2	MIMO	0154M	136.1	Top	99.56	0.125	-	1.554	1.205	1.004	2.000	3.760	2.390	4.493	Plot
47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population																	Power Density 10 W/m² averaged over 4 cm²							

13.3 UWB Power Density Closed Results

Table 13-3 | Plot A117

MEASUREMENT RESULTS															
Frequency (MHz)	Channel	Mode	Power Drift (dB)	Spacing (mm)	Antenna Config.	DUT Serial Number	Side	Grid Step (λ)	iPD (W/m²)	Scaling Factor for Measurement Uncertainty per IEC 62479	Normal psPD (W/m²)	Scaled Normal psPD (W/m²)	Total psPD (W/m²)	Scaled Total psPD (W/m²)	Plot #
6489.60	5	CW	-0.17	2	G	0512M	Back	0.125	0.517	1.554	0.140	0.218	0.148	0.230	Plot
6489.60	5	CW	0.11	9.24	G	0512M	Back	0.125	0.273	1.554	0.086	0.134	0.088	0.137	
7987.20	9	CW	0.21	2	G	0512M	Back	0.125	-	1.554	0.043	0.067	0.046	0.071	
47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population						Power Density 10 W/m² averaged over 4 cm²									

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

13.4 UWB Power Density Open Results

Table 13-4 | Plot A118

MEASUREMENT RESULTS															
Frequency (MHz)	Channel	Mode	Power Drift (dB)	Spacing (mm)	Antenna Config.	DUT Serial Number	Side	Grid Step (λ)	iPD (W/m²)	Scaling Factor for Measurement Uncertainty per IEC 62479	Normal psPD (W/m²)	Scaled Normal psPD (W/m²)	Total psPD (W/m²)	Scaled Total psPD (W/m²)	Plot #
6489.60	5	CW	-0.17	2	G	0512M	Bottom	0.125	0.340	1.554	0.200	0.311	0.205	0.319	Plot
6489.60	5	CW	0.14	9.24	G	0512M	Bottom	0.125	0.184	1.554	0.067	0.104	0.070	0.109	
7987.20	9	CW	0.20	2	G	0512M	Bottom	0.125	-	1.554	0.057	0.089	0.072	0.112	
47 CFR §1.1310 - SAFETY LIMIT Spatial Average Uncontrolled Exposure / General Population						Power Density 10 W/m² averaged over 4 cm²									

Power Density General Notes

1. The manufacturer has confirmed that the devices tested have the same physical, mechanical and thermal characteristics and are within operational tolerances expected for production units.
2. Batteries are fully charged at the beginning of the measurements. The DUT was connected to a wall charger for some measurements due to the test duration. It was confirmed that the charger plugged into this DUT did not impact the near-field PD test results.
3. Power density was calculated by repeated E-field measurements on two measurement planes separated by λ/4.
4. The device was configured to transmit continuously at the required data rate, channel bandwidth and signal modulation, using the highest transmission duty factor supported by the test mode tools.
5. Per FCC guidance and equipment manufacturer guidance, power density results were scaled according to IEC 62479:2010 for the portion of the measurement uncertainty > 30%. Total expanded uncertainty of 2.68 dB (85.4%) was used to determine the psPD measurement scaling factor.
6. Per equipment manufacturer guidance, power density was measured at d=2mm and d=λ/5mm using the same grid size and grid step size for some frequencies and surfaces. The integrated Power Density (iPD) was calculated based on these measurements. Since iPD ratio between the two distances is ≥ -1dB, the grid step was sufficient for determining compliance at d=2mm.
7. psPD for MIMO was evaluated by making a measurement with both antennas transmitting simultaneously.
8. PTP-PR algorithm was used during psPD measurement and calculations.
9. PD results were scaled to the maximum allowed power to demonstrate compliance per FCC KDB Publication 447498 D04.
10. Based on FCC KDB 388624 D02,the incident Power Density (IPD) evaluations were performed on the test configuration that exhibited the highest SAR during the SAR evaluations, for frequencies between 6000 MHz and 8500 MHz.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

14 SAR MEASUREMENT VARIABILITY

14.1 Measurement Variability

Per FCC KDB Publication 865664 D01v01r04, SAR measurement variability was assessed for each frequency band, which was determined by the SAR probe calibration point and tissue-equivalent medium used for the device measurements. When both head and body tissue-equivalent media were required for SAR measurements in a frequency band, the variability measurement procedures were applied to the tissue medium with the highest measured SAR, using the highest measured SAR configuration for that tissue-equivalent medium. These additional measurements were repeated after the completion of all measurements requiring the same head or body tissue-equivalent medium in a frequency band. The test device was returned to ambient conditions (normal room temperature) with the battery fully charged before it was re-mounted on the device holder for the repeated measurement(s) to minimize any unexpected variations in the repeated results.

SAR Measurement Variability was assessed using the following procedures for each frequency band:

1) When the original highest measured SAR is ≥ 0.80 W/kg, the measurement was repeated once.
2) A second repeated measurement was performed only if the ratio of largest to smallest SAR for the original and first repeated measurements was > 1.20 or when the original or repeated measurement was ≥ 1.45 W/kg (~ 10% from the 1g SAR limit).
3) A third repeated measurement was performed only if the original, first or second repeated measurement was ≥ 1.5 W/kg and the ratio of largest to smallest SAR for the original, first and second repeated measurements is > 1.20.
4) Repeated measurements are not required when the original highest measured SAR is < 0.80 W/kg
5) When 10g SAR measurement is considered, a factor of 2.5 is applied to the thresholds above.

Table 14-1
Closed Body SAR Measurement Variability Results

BODY VARIABILITY RESULTS															
Band	FREQUENCY		Mode	Service	Side	Spacing	Antenna Config	Measured SAR (1g)	1st Repeated SAR (1g)	Ratio	2nd Repeated SAR (1g)	Ratio	3rd Repeated SAR (1g)	Ratio
	MHz	Ch.						(W/kg)	(W/kg)		(W/kg)		(W/kg)	
1640	1643.50	261674	NTN Band 255	QPSK, 1 Tone, 6 Tone Start	Back	5	G	1.390	1.260	1.10	N/A	N/A	N/A	N/A
1750	1720.00	132072	LTE Band 66, 20 MHz Bandwidth	QPSK, 100RB, 0 RB Offset	Back	5	G	1.090	1.060	1.03	N/A	N/A	N/A	N/A
2300	2310.00	462000	NR Band n30, 10 MHz Bandwidth	DFT-s-OFDM, 1RB, 1RB Offset	Back	5	G	0.958	0.942	1.02	N/A	N/A	N/A	N/A
3500	35360.00	55340	LTE Band 48, 20 MHz Bandwidth	QPSK, 50RB, 0RB Offset	Back	5	F	0.977	0.828	1.18	N/A	N/A	N/A	N/A
3700	3690.00	56640	LTE Band 48, 20 MHz Bandwidth	QPSK, 1RB, 50 RB Offset	Back	5	F	1.110	1.020	1.09	N/A	N/A	N/A	N/A
5600	5610.00	122	5 GHz WIFI/IEEE 802.11ac, 80 MHz Bandwidth	OFDM	Back	5	MIMO	1.060	0.993	1.07	N/A	N/A	N/A	N/A
5750	5690.00	138	5 GHz WIFI/IEEE 802.11ac, 80 MHz Bandwidth	OFDM	Back	5	MIMO	1.040	1.020	1.02	N/A	N/A	N/A	N/A
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Body 1.6 W/kg (mW/g) averaged over 1 gram									

Table 14-2
Open Body SAR Measurement Variability Results

BODY VARIABILITY RESULTS														
Band	FREQUENCY		Mode	Service	Side	Test Position	Antenna Config	Measured SAR (1g)	1st Repeated SAR (1g)	Ratio	2nd Repeated SAR (1g)	Ratio	3rd Repeated SAR (1g)	Ratio
	MHz	Ch.						(W/kg)	(W/kg)		(W/kg)		(W/kg)	
750	707.50	23095	LTE Band 12, 10 MHz Bandwidth	QPSK, 25RB, 25RB Offset	Top	0	E	1.030	0.952	1.08	N/A	N/A	N/A	N/A
835	836.50	167300	NR Band n5, 20 MHz Bandwidth	CP-OFDM, 1RB, 1RB Offset	Top	0	E	0.976	0.862	1.13	N/A	N/A	N/A	N/A
1900	1860.00	26140	LTE Band 25, 20 MHz Bandwidth	QPSK, 50RB, 25RB Offset	Right	0	G	1.022	0.969	1.05	N/A	N/A	N/A	N/A
2450	2462.00	11	2.4 GHz WIFI/IEEE 802.11b	DSSS	Top	0	H	1.150	1.130	1.02	N/A	N/A	N/A	N/A
2600	2535.00	507000	NR Band n7, 50 MHz Bandwidth	CP-OFDM, 1RB, 1RB Offset	Right	0	G	1.030	1.000	1.03	N/A	N/A	N/A	N/A
3900	3930.00	662000	NR Band n77, 100 MHz Bandwidth	CW/SRS	Bottom	0	C	0.812	0.795	1.02	N/A	N/A	N/A	N/A
6500	6505.00	111	6 GHz WIFI/IEEE 802.11ax	OFDM	Top	0	MIMO	0.956	0.947	1.01	N/A	N/A	N/A	N/A
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population					Body 1.6 W/kg (mW/g) averaged over 1 gram									

14.2 Measurement Uncertainty

The measured SAR was <1.5 W/kg for 1g and <3.75 W/kg for 10g for all frequency bands. Therefore, per KDB Publication 865664 D01v01r04, the extended measurement uncertainty analysis per IEEE 1528-2013 was not required.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

15 ADDITIONAL TESTING PER FCC GUIDANCE

15.1 Tuner Testing

Per April 2019 and October 2024 TCB Workshop Notes, the following test procedures were followed to demonstrate that the SAR results in Section 12 represented the appropriate SAR test conditions. For bands with dynamic tuning implemented, SAR was measured according to the required FCC SAR test procedures with the dynamic tuner active to allow the device to automatically tune to the antenna state for the respective RF exposure test configurations. Additional single point SAR time-sweep measurements were evaluated for other tuner states to determine that the other tuner configurations would result in equivalent or lower SAR values. The additional tuner hardware has no influence on the antenna characteristics, other than impedance matching.

To evaluate the tuner states and ensure that the condition leading to the largest SAR has been captured, the follow checklist procedure was applied.

1. For each combination and with auto-tune mechanism turned on, the highest measured SAR configuration was determined and the auto-tune state was recorded.
2. A single point time-sweep measurement was performed at the peak SAR location determined by the area scan of the configuration.
3. The auto-tune mechanism was turned off and one random state from the 144 possible states was selected. The single point time-sweep measurement was repeated at the randomly selected tune state. The single point SAR of the randomly selected tune-state must be less than or equal to the recorded single point SAR of the auto-tune state.
4. The auto-tune mechanism was turned back on and the single point time-sweep measurement was repeated. The auto-tune state was recovered and previous auto-tune single point SAR should be equivalent to that measured in step 2.

The tuner state was able to be established remotely so that the device was not moved for the entire series of single point SAR for the tuner states in each combination. The SAR probe remained stationary at the same position throughout the entire series of single point measurements for each combination. The operational description contains more information about the design and implementation of the dynamic antenna tuning.

Table 15-1
UMTS Supplemental Head SAR Data

Supplemental Head SAR Data		Supplemental Head SAR Data	
UMTS B5 Ant A+C		UMTS B5 Ant A	
RMC		RMC	
Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	826.40	Frequency (MHz)	826.40
Channel	4132	Channel	4132
Measured 1g SAR (W/kg)	0.156	Measured 1g SAR (W/kg)	0.060
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 9)	0.159	Auto-tune (State 100)	0.067
Manual-tune (State 35)	0.011	Manual-tune (State 65)	0.066
Auto-tune (State 9)	0.158	Auto-tune (State 100)	0.067

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 15-2
LTE Supplemental Head SAR Data

Supplemental Head SAR Data											
LTE B71 Ant A		LTE B12 Ant A		LTE B13 Ant A		LTE B14 Ant A		LTE B26 Ant A		LTE B5 Ant A	
QPSK, 20 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 15 MHz Bandwidth, 1 RB, 36 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset	
Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	782.00	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	133297	Channel	23095	Channel	23230	Channel	23330	Channel	26865	Channel	20525
Measured 1g SAR (W/kg)	0.070	Measured 1g SAR (W/kg)	0.055	Measured 1g SAR (W/kg)	0.083	Measured 1g SAR (W/kg)	0.094	Measured 1g SAR (W/kg)	0.065	Measured 1g SAR (W/kg)	0.066
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 99)	0.070	Auto-tune (State 67)	0.064	Auto-tune (State 28)	0.096	Auto-tune (State 63)	0.100	Auto-tune (State 101)	0.063	Auto-tune (State 109)	0.086
Manual-tune (State 11)	0.025	Manual-tune (State 10)	0.061	Manual-tune (State 90)	0.072	Manual-tune (State 52)	0.008	Manual-tune (State 115)	0.064	Manual-tune (State 85)	0.015
Auto-tune (State 99)	0.070	Auto-tune (State 67)	0.064	Auto-tune (State 28)	0.092	Auto-tune (State 63)	0.099	Auto-tune (State 101)	0.064	Auto-tune (State 109)	0.085

Supplemental Head SAR Data											
LTE B71 Ant A+C		LTE B12 Ant A+C		LTE B13 Ant A+C		LTE B14 Ant A+C		LTE B26 Ant A+C		LTE B5 Ant A+C	
QPSK, 20 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 15 MHz Bandwidth, 1 RB, 36 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset	
Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	782.00	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	133297	Channel	23095	Channel	23230	Channel	23330	Channel	26865	Channel	20525
Measured 1g SAR (W/kg)	0.140	Measured 1g SAR (W/kg)	0.121	Measured 1g SAR (W/kg)	0.148	Measured 1g SAR (W/kg)	0.177	Measured 1g SAR (W/kg)	0.164	Measured 1g SAR (W/kg)	0.193
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 13)	0.143	Auto-tune (State 11)	0.152	Auto-tune (State 10)	0.158	Auto-tune (State 0)	0.184	Auto-tune (State 0)	0.150	Auto-tune (State 0)	0.170
Manual-tune (State 72)	0.123	Manual-tune (State 50)	0.124	Manual-tune (State 65)	0.103	Manual-tune (State 55)	0.177	Manual-tune (State 111)	0.027	Manual-tune (State 47)	0.047
Auto-tune (State 13)	0.146	Auto-tune (State 11)	0.151	Auto-tune (State 10)	0.156	Auto-tune (State 0)	0.186	Auto-tune (State 0)	0.156	Auto-tune (State 0)	0.170

Table 15-3
NR Supplemental Head SAR Data

Supplemental Head SAR Data									
NR Band n71 Ant A+C		NR Band n12 Ant A+C		NR Band n14 Ant A+C		NR Band n26 Ant A+C		NR Band n5 Ant A+C	
OFDM QPSK, 35 MHz Bandwidth, 1 RB, 1 RB Offset		OFDM QPSK, 15 MHz Bandwidth, 36 RB, 22 RB Offset		OFDM QPSK, 10 MHz Bandwidth, 1 RB, 1 RB Offset		DFT-S-OFDM QPSK, 20 MHz Bandwidth, 50 RB, 28 RB Offset		DFT-S-OFDM QPSK, 20 MHz Bandwidth, 1 RB, 1 RB Offset	
Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	136100	Channel	141500	Channel	158600	Channel	166300	Channel	167300
Measured 1g SAR (W/kg)	0.124	Measured 1g SAR (W/kg)	0.136	Measured 1g SAR (W/kg)	0.187	Measured 1g SAR (W/kg)	0.130	Measured 1g SAR (W/kg)	0.139
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 13)	0.118	Auto-tune (State 11)	0.143	Auto-tune (State 10)	0.203	Auto-tune (State 0)	0.118	Auto-tune (State 0)	0.117
Manual-tune (State 19)	0.105	Manual-tune (State 73)	0.092	Manual-tune (State 58)	0.157	Manual-tune (State 5)	0.069	Manual-tune (State 80)	0.008
Auto-tune (State 13)	0.120	Auto-tune (State 11)	0.141	Auto-tune (State 10)	0.203	Auto-tune (State 0)	0.118	Auto-tune (State 0)	0.117

Supplemental Head SAR Data									
NR Band n71 Ant A		NR Band n12 Ant A		NR Band n14 Ant A		NR Band n26 Ant A		NR Band n5 Ant A	
OFDM QPSK, 35 MHz Bandwidth, 1 RB, 1 RB Offset		OFDM QPSK, 15 MHz Bandwidth, 1 RB, 1 RB Offset		DFTs-OFDM QPSK, 20 MHz Bandwidth, 1 RB, 1 RB Offset		DFT-OFDM QPSK, 20MHz Bandwidth, 50 RB, 28 RB Offset		DFT-s-OFDM QPSK, 20 MHz Bandwidth, 1 RB, 1 RB Offset	
Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek	Test Position	Right Cheek
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	136100	Channel	141500	Channel	158600	Channel	166300	Channel	167300
Measured 1g SAR (W/kg)	0.076	Measured 1g SAR (W/kg)	0.057	Measured 1g SAR (W/kg)	0.087	Measured 1g SAR (W/kg)	0.058	Measured 1g SAR (W/kg)	0.061
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 63)	0.073	Auto-tune (State 9)	0.070	Auto-tune (State 0)	0.074	Auto-tune (State 65)	0.053	Auto-tune (State 45)	0.055
Manual-tune (State 2)	0.013	Manual-tune (State 76)	0.016	Manual-tune (State 11)	0.045	Manual-tune (State 14)	0.031	Manual-tune (State 22)	0.044
Auto-tune (State 63)	0.071	Auto-tune (State 9)	0.072	Auto-tune (State 0)	0.071	Auto-tune (State 65)	0.053	Auto-tune (State 45)	0.057

Table 15-4
UMTS Supplemental Closed Body SAR Data

Supplemental Body SAR Data		Supplemental Body SAR Data	
UMTS B5 Ant A		UMTS B5 Ant A+C	
RMC		RMC	
Test Position	Back	Test Position	Back
Spacing	5 mm	Spacing	5 mm
Frequency (MHz)	826.40	Frequency (MHz)	826.40
Channel	4132	Channel	4132
Measured 1g SAR (W/kg)	0.434	Measured 1g SAR (W/kg)	0.520
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 9)	0.503	Auto-tune (State 27)	0.574
Manual-tune (State 45)	0.487	Manual-tune (State 12)	0.506
Auto-tune (State 9)	0.499	Auto-tune (State 27)	0.566

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 15-5
LTE Supplemental Closed Body SAR Data

Supplemental Body SAR Data											
LTE B71 Ant A+C		LTE B12 Ant A+C		LTE B13 Ant A+C		LTE B14 Ant A+C		LTE B26 Ant A+C		LTE B5 Ant A+C	
QPSK, 20 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 15 MHz Bandwidth, 1 RB, 36 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25RB Offset	
Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Back
Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	782.00	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	133297	Channel	23095	Channel	23230	Channel	23330	Channel	26865	Channel	20525
Measured 1g SAR (W/kg)	0.594	Measured 1g SAR (W/kg)	0.642	Measured 1g SAR (W/kg)	0.668	Measured 1g SAR (W/kg)	0.659	Measured 1g SAR (W/kg)	0.701	Measured 1g SAR (W/kg)	0.672
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 47)	0.609	Auto-tune (State 10)	0.649	Auto-tune (State 10)	0.734	Auto-tune (State 10)	0.711	Auto-tune (State 0)	0.741	Auto-tune (State 0)	0.753
Manual-tune (State 54)	0.480	Manual-tune (State 45)	0.603	Manual-tune (State 71)	0.025	Manual-tune (State 81)	0.696	Manual-tune (State 25)	0.087	Manual-tune (State 1)	0.696
Auto-tune (State 47)	0.580	Auto-tune (State 10)	0.648	Auto-tune (State 10)	0.738	Auto-tune (State 10)	0.710	Auto-tune (State 0)	0.777	Auto-tune (State 0)	0.774

Supplemental Body SAR Data											
LTE B71 Ant A		LTE B12 Ant A		LTE B13 Ant A		LTE B14 Ant A		LTE B26 Ant A		LTE B5 Ant A	
QPSK, 20 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 15 MHz Bandwidth, 1 RB, 36 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset	
Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Back
Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	782.00	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	133297	Channel	23095	Channel	23230	Channel	23330	Channel	26865	Channel	20525
Measured 1g SAR (W/kg)	0.417	Measured 1g SAR (W/kg)	0.385	Measured 1g SAR (W/kg)	0.621	Measured 1g SAR (W/kg)	0.584	Measured 1g SAR (W/kg)	0.512	Measured 1g SAR (W/kg)	0.548
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 63)	0.473	Auto-tune (State 101)	0.416	Auto-tune (State 27)	0.737	Auto-tune (State 63)	0.668	Auto-tune (State 9)	0.544	Auto-tune (State 27)	0.526
Manual-tune (State 86)	0.332	Manual-tune (State 13)	0.290	Manual-tune (State 50)	0.240	Manual-tune (State 19)	0.457	Manual-tune (State 43)	0.045	Manual-tune (State 84)	0.388
Auto-tune (State 63)	0.474	Auto-tune (State 101)	0.416	Auto-tune (State 27)	0.705	Auto-tune (State 63)	0.686	Auto-tune (State 9)	0.516	Auto-tune (State 27)	0.529

Table 15-6
NR Supplemental Closed Body SAR Data

Supplemental Body SAR Data									
NR Band n71 Ant A		NR Band n12 Ant A		NR Band n14 Ant A		NR Band n26 Ant A		NR Band n5 Ant A	
DFT-OFDM QPSK, 35 MHz Bandwidth, 1 RB, 1 RB Offset		DFT-OFDM QPSK, 15 MHz Bandwidth, 36 RB, 22 RB Offset		DFT-OFDM QPSK, 10 MHz Bandwidth, 1 RB, 1 RB Offset		DFT-S-OFDM QPSK, 20 MHz Bandwidth, 50 RB, 28 RB Offset		DFT-S-OFDM QPSK, 20 MHz Bandwidth, 50 RB, 28 RB Offset	
Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Back
Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm	Spacing	5 mm
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	136100	Channel	141500	Channel	158600	Channel	166300	Channel	167300
Measured 1g SAR (W/kg)	0.381	Measured 1g SAR (W/kg)	0.430	Measured 1g SAR (W/kg)	0.485	Measured 1g SAR (W/kg)	0.559	Measured 1g SAR (W/kg)	0.557
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 63)	0.319	Auto-tune (State 9)	0.489	Auto-tune (State 63)	0.470	Auto-tune (State 64)	0.623	Auto-tune (State 64)	0.615
Manual-tune (State 5)	0.028	Manual-tune (State 73)	0.187	Manual-tune (State 28)	0.437	Manual-tune (State 78)	0.077	Manual-tune (State 68)	0.509
Auto-tune (State 63)	0.329	Auto-tune (State 101)	0.491	Auto-tune (State 63)	0.470	Auto-tune (State 64)	0.594	Auto-tune (State 65)	0.619

Supplemental Body SAR Data									
NR Band n71 Ant A+C		NR Band n12 Ant A+C		NR Band n14 Ant A+C		NR Band n26 Ant A+C		NR Band n5 Ant A+C	
DFT-S-OFDM QPSK, 35 MHz Bandwidth, 90 RB, 49 RB Offset		DFT-S-OFDM QPSK, 15 MHz Bandwidth, 36 RB, 22 RB Offset		DFT-S-OFDM QPSK, 10 MHz Bandwidth, 1 RB, 1 RB Offset		DFT-S--OFDM QPSK, 20 MHz Bandwidth, 50 RB, 28 RB Offset		DFT-S-OFDM QPSK, 20 MHz Bandwidth, 50 RB, 28 RB Offset	
Test Position	Right	Test Position	Right	Test Position	Right	Test Position	Back	Test Position	Back
Spacing	10 mm	Spacing	10 mm	Spacing	0	Spacing	10 mm	Spacing	10 mm
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	136100	Channel	141500	Channel	158600	Channel	166300	Channel	167300
Measured 1g SAR (W/kg)	0.527	Measured 1g SAR (W/kg)	0.533	Measured 1g SAR (W/kg)	0.530	Measured 1g SAR (W/kg)	0.649	Measured 1g SAR (W/kg)	0.651
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 10)	0.622	Auto-tune (State 10)	0.572	Auto-tune (State 108)	0.492	Auto-tune (State 0)	0.764	Auto-tune (State 0)	0.756
Manual-tune (State 48)	0.600	Manual-tune (State 91)	0.541	Manual-tune (State 10)	0.489	Manual-tune (State 2)	0.670	Manual-tune (State 39)	0.568
Auto-tune (State 10)	0.619	Auto-tune (State 10)	0.572	Auto-tune (State 108)	0.492	Auto-tune (State 0)	0.775	Auto-tune (State 0)	0.766

Table 15-7
UMTS Supplemental Open Body SAR Data

Supplemental Body SAR Data	
UMTS B5 Ant A+C	
RMC	
Test Position	Back
Spacing	0 mm
Frequency (MHz)	846.60
Channel	4233
Measured 1g SAR (W/kg)	0.818
Average Value of Time Sweep (W/kg)	
Auto-tune (State 9)	0.821
Manual-tune (State 38)	0.604
Auto-tune (State 9)	0.821

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Table 15-8
LTE Supplemental Open Body SAR Data

Supplemental Body SAR Data											
LTE B71 Ant A+C		LTE B12 Ant A+C		LTE B13 Ant A+C		LTE B14 Ant A+C		LTE B26 Ant A+C		LTE B5 Ant A+C	
QPSK, 20 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 25 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset		QPSK, 15 MHz Bandwidth, 75 RB, 0 RB Offset		QPSK, 10 MHz Bandwidth, 1 RB, 25 RB Offset	
Test Position	Back	Test Position	Back	Test Position	Right	Test Position	Back	Test Position	Back	Test Position	Back
Spacing	0 mm	Spacing	0 mm	Spacing	0 mm	Spacing	0 mm	Spacing	0 mm	Spacing	0 mm
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	782.00	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	133297	Channel	23095	Channel	23230	Channel	23330	Channel	26865	Channel	20525
Measured 1g SAR (W/kg)	0.827	Measured 1g SAR (W/kg)	0.823	Measured 1g SAR (W/kg)	0.847	Measured 1g SAR (W/kg)	0.756	Measured 1g SAR (W/kg)	0.701	Measured 1g SAR (W/kg)	0.763
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 0)	0.635	Auto-tune (State 10)	0.823	Auto-tune (State 108)	1.170	Auto-tune (State 0)	0.633	Auto-tune (State 9)	0.581	Auto-tune (State 9)	0.570
Manual-tune (State 60)	0.115	Manual-tune (State 55)	0.793	Manual-tune (State 86)	0.314	Manual-tune (State 52)	0.081	Manual-tune (State 87)	0.110	Manual-tune (State 61)	0.053
Auto-tune (State 0)	0.634	Auto-tune (State 10)	0.824	Auto-tune (State 108)	1.180	Auto-tune (State 0)	0.632	Auto-tune (State 9)	0.566	Auto-tune (State 9)	0.571

Table 15-9
NR Supplemental Open Body SAR Data

Supplemental Body SAR Data									
NR Band n71 Ant A+C		NR Band n12 Ant A+C		NR Band n14 Ant A+C		NR Band n26 Ant A+C		NR Band n5 Ant A+C	
CP-OFDM QPSK, 35 MHz Bandwidth, 1 RB, 1 RB Offset		CP-OFDM QPSK, 15 MHz Bandwidth, 1 RB, 1 RB Offset		DFT-OFDM QPSK, 10 MHz Bandwidth, 1 RB, 1 RB Offset		DFT-S-OFDM QPSK, 20 MHz Bandwidth, 50 RB, 28 RB Offset		DFT-S-OFDM QPSK, 20 MHz Bandwidth, 100 RB,0 RB Offset	
Test Position	Back	Test Position	Back	Test Position	Back	Test Position	Right	Test Position	Right
Spacing	0 mm	Spacing	0 mm	Spacing	0 mm	Spacing	0	Spacing	0
Frequency (MHz)	680.50	Frequency (MHz)	707.50	Frequency (MHz)	793.00	Frequency (MHz)	831.50	Frequency (MHz)	836.50
Channel	136100	Channel	141500	Channel	158600	Channel	166300	Channel	167300
Measured 1g SAR (W/kg)	0.887	Measured 1g SAR (W/kg)	0.859	Measured 1g SAR (W/kg)	0.826	Measured 1g SAR (W/kg)	0.712	Measured 1g SAR (W/kg)	0.728
Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)		Average Value of Time Sweep (W/kg)	
Auto-tune (State 0)	0.951	Auto-tune (State 9)	0.906	Auto-tune (State 37)	0.669	Auto-tune (State 108)	0.748	Auto-tune (State 108)	0.761
Manual-tune (State 66)	0.334	Manual-tune (State 37)	0.824	Manual-tune (State 32)	0.212	Manual-tune (State 88)	0.042	Manual-tune (State 78)	0.158
Auto-tune (State 0)	0.950	Auto-tune (State 9)	0.902	Auto-tune (State 37)	0.669	Auto-tune (State 108)	0.747	Auto-tune (State 108)	0.761

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

15.1 NTN Duty Cycle Linearity Verification

SAR measurements were performed using FTM continuous wave (CW) mode at 100% duty cycle to represent worst-case conditions, in accordance with FCC KDB 447498 D01.
A scaling factor of 71% was applied to reflect the operational duty cycle declared by the manufacturer. Linearity was verified across multiple power levels, with deviations within 10%, consistent with the FCC TCB Workshop guidance (May 2017).

Table 15-10
Body-worn Linearity verification

Exposure condition	Mode	Modulation	Antenna	SN	FRQ	CH	Tones	Tone Start	Spacing	Exposure condition
Body-worn	NTN Band 255	CW	Ant F	0070M	1643.5	261674	1	6	5	Back

Power %	Max Allowed Power	Measured Output power	Power Scale Factor	Duty Cycle Scale Factor	Measured SAR	Calculated Measured SAR (Theoretical)	Reported SAR	Scaled SAR from 100% Duty Cycle	Measured SAR vs. Calculated Measured SAR Deviation (%)	Reported SAR vs. Calculated Reported SAR Deviation (%)
100%	21.00	19.62	1.374	1	1.390	1.390	1.910	1.910	0.00%	0.00%
71%	19.51	18.66	1.217	0.71	1.070	1.114	1.302	1.356	4.14%	4.14%
50%	17.99	17.64	1.084	0.5	0.851	0.881	0.922	0.955	3.53%	3.53%

Table 15-11
Phablet Linearity verification

Exposure condition	Mode	Modulation	Antenna	SN	FRQ	CH	Tones	Tone Start	Spacing	Exposure condition
Phablet	NTN Band 255	CW	Ant F	0070M	1660.4	261843	1	6	0	Top

Power %	Max Allowed Power	Measured Output power	Power Scale Factor	Duty Cycle Scale Factor	Measured SAR	Calculated Measured SAR (Theoretical)	Reported SAR	Scaled SAR from 100% Duty Cycle	Measured SAR vs. Calculated Measured SAR Deviation (%)	Reported SAR vs. Calculated Reported SAR Deviation (%)
100%	21.00	19.56	1.393	1	1.870	1.870	2.605	2.605	0.00%	0.00%
71%	19.51	18.54	1.251	0.71	1.490	1.479	1.864	1.850	-0.77%	-0.77%
50%	17.99	17.63	1.086	0.5	1.180	1.199	1.282	1.303	1.62%	1.62%

Table 15-12
F/O Body Linearity verification

Exposure condition	Mode	Modulation	Antenna	SN	FRQ	CH	Tones	Tone Start	Spacing	Exposure condition
Tablet Body	NTN Band 255	CW	Ant F	0070M	1643.5	261674	1	6	0	Top

Power %	Max Allowed Power	Measured Output power	Power Scale Factor	Duty Cycle Scale Factor	Measured SAR	Calculated Measured SAR (Theoretical)	Reported SAR	Scaled SAR from 100% Duty Cycle	Measured SAR vs. Calculated Measured SAR Deviation (%)	Reported SAR vs. Calculated Reported SAR Deviation (%)
100%	14.00	13.51	1.119	1	0.938	0.938	1.050	1.050	0.00%	0.00%
71%	12.51	11.81	1.176	0.71	0.616	0.634	0.724	0.746	2.95%	2.95%
50%	10.99	10.90	1.021	0.5	0.541	0.514	0.552	0.525	-4.94%	-4.94%

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

16 EQUIPMENT LIST

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	E4404B	Spectrum Analyzer	N/A	N/A	N/A	MY45113242
Agilent	E4438C	ESG Vector Signal Generator	10/23/2024	Annual	10/23/2025	MY45093852
Agilent	E4438C	ESG Vector Signal Generator	11/15/2024	Annual	11/15/2025	MY45092078
Agilent	N5182A	MXG Vector Signal Generator	7/9/2024	Annual	7/9/2025	MY48180366
Agilent	N5182A	MXG Vector Signal Generator	5/16/2024	Annual	5/16/2025	MY47420837
Agilent	8753ES	S-Parameter Vector Network Analyzer	1/6/2025	Annual	1/6/2026	MY40001472
Agilent	8753ES	S-Parameter Vector Network Analyzer	9/25/2024	Annual	9/25/2025	MY40003841
Agilent	E5515C	Wireless Communications Test Set	CBT	N/A	CBT	GB46310798
Agilent	E5515C	Wireless Communications Test Set	CBT	N/A	CBT	GB41450275
Agilent	N4010A	Wireless Connectivity Test Set	N/A	N/A	N/A	GB46170464
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	433973
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	433974
Amplifier Research	150A100C	Amplifier	CBT	N/A	CBT	350132
Anritsu	MN8110B	I/O Adaptor	CBT	N/A	CBT	6261747881
Anritsu	ML2496A	Power Meter	7/15/2024	Annual	7/15/2025	1138001
Anritsu	ML2496A	Power Meter	6/24/2024	Annual	6/24/2025	1840005
Anritsu	MA2411B	Pulse Power Sensor	9/5/2024	Annual	9/5/2025	1726262
Anritsu	MA2411B	Pulse Power Sensor	10/21/2024	Annual	10/21/2025	1027293
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	CBT	N/A	CBT	6200901190
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	CBT	N/A	CBT	6201144419
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	5/15/2024	Annual	5/15/2025	6262150047
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	3/14/2025	Annual	3/14/2026	6262044715
Anritsu	MT8821C	Radio Communication Analyzer MT8821C	4/26/2024	Annual	4/26/2025	6201381794
Anritsu	MT8000A	Radio Communication Test Station	CBT	N/A	CBT	626196-7072
Anritsu	MT8000A	Radio Communication Test Station	CBT	N/A	CBT	6272337408
Anritsu	MT8000A	Radio Communication Test Station	CBT	N/A	CBT	6262036828
Anritsu	MT8000A	Radio Communication Test Station	4/11/2025	Annual	4/11/2026	6261987983
Anritsu	MT8000A	Radio Communication Test Station	5/2/2024	Annual	5/2/2025	6272337436
Anritsu	MT8000A	Radio Communication Test Station	3/11/2025	Annual	3/11/2026	6272337439
Anritsu	MT8000A	Radio Communication Test Station	5/14/2024	Annual	5/14/2025	6272337419
Anritsu	MT8000A	Radio Communication Test Station	11/12/2024	Annual	11/12/2025	6272337405
Anritsu	MA24106A	USB Power Sensor	7/10/2024	Annual	7/10/2025	1827530
Anritsu	MA24106A	USB Power Sensor	10/29/2024	Annual	10/29/2025	1248508
Mini-Circuits	PWR-4GHS	USB Power Sensor	6/12/2024	Annual	6/12/2025	12001070013
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240174346
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240171096
Control Company	4052	Long Stem Thermometer	2/27/2024	Biennial	2/27/2026	240171059
Control Company	4040	Therm./ Clock/ Humidity Monitor	4/15/2024	Biennial	4/15/2026	240310280
Control Company	4040	Therm./ Clock/ Humidity Monitor	4/15/2024	Biennial	4/15/2026	240310282
Control Company	S66279	Therm./ Clock/ Humidity Monitor	2/16/2024	Biennial	2/16/2026	240140051
Keysight Technologies	N9020A	MXA Signal Analyzer	7/8/2024	Annual	7/8/2025	MY48010233
Agilent	N9020A	MXA Signal Analyzer	6/14/2024	Annual	6/14/2025	MY56470202
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1139
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	VLF-6000+	Low Pass Filter DC to 6000 MHz	7/10/2024	Annual	7/10/2025	31634
Mini-Circuits	BW-N20W5+	DC to 18 GHz Precision Fixed 20 dB Attenuator	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-1200+	Low Pass Filter DC to 1000 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter DC to 2700 MHz	CBT	N/A	CBT	N/A
Mini-Circuits	BW-N20W5	Power Attenuator	CBT	N/A	CBT	1226
Mini-Circuits	ZUDC10-83-S+	Directional Coupler	CBT	N/A	CBT	2050
Narda	4772-3	Attenuator (3dB)	CBT	N/A	CBT	9406
Narda	BW-S3W2	Attenuator (3dB)	CBT	N/A	CBT	120
Seekonk	NC-100	Torque Wrench	CBT	N/A	CBT	22217
Seekonk	NC-100	Torque Wrench	4/2/2024	Biennial	4/2/2026	1262
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	CBT	N/A	CBT	120504
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	CBT	N/A	CBT	109366
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	CBT	N/A	CBT	155128
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	CBT	N/A	CBT	102060
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	CBT	N/A	CBT	167112
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	CBT	N/A	CBT	168544
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	1/10/2025	Annual	1/10/2026	131453
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	7/8/2024	Annual	7/8/2025	166818
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/8/2025	Annual	4/8/2026	151849
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	8/12/2024	Annual	8/12/2025	171008
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/23/2024	Annual	10/23/2025	170999
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	8/27/2024	Biennial	8/27/2026	167085
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/11/2024	Annual	10/11/2025	169729
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	6/7/2024	Annual	6/7/2025	108843
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	7/19/2024	Annual	7/19/2025	171001
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	6/11/2024	Annual	6/11/2025	166869
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	6/10/2024	Annual	6/10/2025	168543
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/29/2024	Annual	4/29/2025	140147
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/7/2025	Annual	4/7/2026	167284
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	1/28/2025	Annual	1/28/2026	135400
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	1/25/2025	Annual	1/25/2026	122206
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	12/10/2024	Annual	12/10/2025	167286
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	1/6/2025	Annual	1/6/2026	131454
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/9/2025	Annual	4/9/2026	145663
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	9/26/2024	Biennial	9/26/2026	110553
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/2/2024	Annual	10/2/2025	171000
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	4/3/2025	Annual	4/3/2026	167285
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	2/22/2025	Annual	2/22/2026	168527
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	1/6/2025	Annual	1/6/2026	150117
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	12/10/2024	Annual	12/10/2025	161616
SPEAG	DAK-3.5	Dielectric Assessment Kit	11/5/2024	Annual	11/5/2025	1277
SPEAG	DAKS-3.5	Portable Dielectric Assessment Kit	8/7/2024	Annual	8/7/2025	1041
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1237
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1331
SPEAG	MAIA	Modulation and Audio Interference Analyzer	N/A	N/A	N/A	1390
SPEAG	DAK-12	Dielectric Assessment Kit (4MHz - 3GHz)	3/10/2025	Annual	3/10/2026	1102

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
SPEAG	CLA-13	Confined Loop Antenna	9/4/2024	Annual	9/4/2025	1002
SPEAG	D750V3	750 MHz SAR Dipole	3/4/2025	Annual	3/4/2026	1054
SPEAG	D750V3	750 MHz SAR Dipole	10/7/2024	Annual	10/7/2025	1161
SPEAG	D750V3	750 MHz SAR Dipole	9/13/2023	Biennial	9/13/2025	1097
SPEAG	D835V2	835 MHz SAR Dipole	3/11/2024	Biennial	3/11/2026	4d133
SPEAG	D835V2	835 MHz SAR Dipole	3/4/2025	Annual	3/4/2026	4d047
SPEAG	D835V2	835 MHz SAR Dipole	1/18/2024	Biennial	1/18/2026	4d132
SPEAG	D835V2	835 MHz SAR Dipole	11/18/2022	Triennial	11/18/2025	4d108
SPEAG	D835V2	835 MHz SAR Dipole	5/14/2024	Annual	5/14/2025	4d180
SPEAG	D1640V2	1640 MHz SAR Dipole	12/13/2022	Triennial	10/6/2025	321
SPEAG	D1750V2	1750 MHz SAR Dipole	9/6/2023	Biennial	9/6/2025	1104
SPEAG	D1750V2	1750 MHz SAR Dipole	1/13/2025	Annual	1/13/2026	1148
SPEAG	D1750V2	1750 MHz SAR Dipole	4/15/2024	Annual	4/15/2025	1051
SPEAG	D1900V2	1900 MHz SAR Dipole	4/12/2024	Annual	4/12/2025	5d141
SPEAG	D1900V2	1900 MHz SAR Dipole	8/8/2023	Biennial	8/8/2025	5d180
SPEAG	D1900V2	1900 MHz SAR Dipole	8/8/2022	Triennial	8/8/2025	5d080
SPEAG	D2300V2	2300 MHz SAR Dipole	11/14/2023	Biennial	11/14/2025	1064
SPEAG	D2300V2	2300 MHz SAR Dipole	6/7/2024	Annual	6/7/2025	1117
SPEAG	D2300V2	2300 MHz SAR Dipole	3/11/2024	Biennial	3/11/2026	1038
SPEAG	D2450V2	2450 MHz SAR Dipole	11/15/2022	Triennial	11/15/2025	797
SPEAG	D2450V2	2450 MHz SAR Dipole	5/11/2022	Triennial	5/11/2025	750
SPEAG	D2450V2	2450 MHz SAR Dipole	11/7/2024	Annual	11/7/2025	981
SPEAG	D2450V2	2450 MHz SAR Dipole	5/10/2024	Annual	5/10/2025	945
SPEAG	D2450V2	2450 MHz SAR Dipole	8/7/2024	Annual	8/7/2025	719
SPEAG	D2600V2	2600 MHz SAR Dipole	5/11/2022	Triennial	5/11/2025	1042
SPEAG	D2600V2	2600 MHz SAR Dipole	6/14/2024	Annual	6/14/2025	1009
SPEAG	D2600V2	2600 MHz SAR Dipole	9/12/2023	Biennial	9/12/2025	1069
SPEAG	D2600V2	2600 MHz SAR Dipole	6/13/2022	Triennial	6/13/2025	1064
SPEAG	D2600V2	2600 MHz SAR Dipole	4/8/2024	Annual	4/8/2025	1004
SPEAG	D3500V2	3500 MHz SAR Dipole	1/10/2023	Triennial	1/10/2026	1097
SPEAG	D3500V2	3500 MHz SAR Dipole	6/10/2024	Annual	6/10/2025	1127
SPEAG	D3700V2	3700 MHz SAR Dipole	6/10/2024	Annual	6/10/2025	1096
SPEAG	D3700V2	3700 MHz SAR Dipole	1/13/2023	Triennial	1/13/2026	1067
SPEAG	D3900V2	3900 MHz SAR Dipole	10/19/2023	Biennial	10/19/2025	1056
SPEAG	D3900V2	3900 MHz SAR Dipole	6/10/2024	Annual	6/10/2025	1074
SPEAG	D5GHzV2	5 GHz SAR Dipole	2/21/2024	Biennial	2/21/2026	1057
SPEAG	D5GHzV2	5 GHz SAR Dipole	1/17/2024	Biennial	1/17/2026	1191
SPEAG	D6.5GHzV2	6.5 GHz SAR Dipole	12/6/2024	Annual	12/6/2025	1018
SPEAG	D6.5GHzV2	6.5 GHz SAR Dipole	10/10/2024	Annual	10/10/2025	1019
SPEAG	D6.5GHzV2	6.5 GHz SAR Dipole	2/4/2025	Annual	2/4/2026	1111
SPEAG	D8GHzV2	8 GHz SAR Dipole	3/6/2025	Annual	3/6/2026	1007
SPEAG	5G Verification Source 10GHz	10GHz System Verification Antenna	3/4/2025	Annual	3/4/2026	1002
SPEAG	5G Verification Source 10GHz	10GHz System Verification Antenna	8/6/2024	Annual	8/6/2025	1004
SPEAG	DAE4	Dasy Data Acquisition Electronics	1/13/2025	Annual	1/13/2026	859
SPEAG	DAE4	Dasy Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	728
SPEAG	DAE4	Dasy Data Acquisition Electronics	7/8/2024	Annual	7/8/2025	1677
SPEAG	DAE4	Dasy Data Acquisition Electronics	8/8/2024	Annual	8/8/2025	1532
SPEAG	DAE4	Dasy Data Acquisition Electronics	9/4/2024	Annual	9/4/2025	1684
SPEAG	DAE4	Dasy Data Acquisition Electronics	6/11/2024	Annual	6/11/2025	1334
SPEAG	DAE4	Dasy Data Acquisition Electronics	9/3/2024	Annual	9/3/2025	1646
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/6/2025	Annual	2/6/2026	665
SPEAG	DAE4	Dasy Data Acquisition Electronics	3/11/2025	Annual	3/11/2026	1415
SPEAG	DAE4	Dasy Data Acquisition Electronics	12/4/2024	Annual	12/4/2025	1644
SPEAG	DAE4	Dasy Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	1676
SPEAG	DAE4	Dasy Data Acquisition Electronics	1/13/2025	Annual	1/13/2026	1530
SPEAG	DAE4	Dasy Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	1678
SPEAG	DAE4	Dasy Data Acquisition Electronics	9/10/2024	Annual	9/10/2025	1364
SPEAG	DAE4	Dasy Data Acquisition Electronics	12/9/2024	Annual	12/9/2025	1322
SPEAG	DAE4	Dasy Data Acquisition Electronics	1/14/2025	Annual	1/14/2026	1466
SPEAG	DAE4	Dasy Data Acquisition Electronics	7/8/2024	Annual	7/8/2025	1583
SPEAG	DAE4	Dasy Data Acquisition Electronics	12/4/2024	Annual	12/4/2025	1323
SPEAG	DAE4	Dasy Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	1502
SPEAG	DAE4	Dasy Data Acquisition Electronics	5/8/2024	Annual	5/8/2025	1683
SPEAG	DAE4	Dasy Data Acquisition Electronics	4/10/2024	Annual	4/10/2025	1402
SPEAG	DAE4ip	Dasy Data Acquisition Electronics	2/7/2025	Annual	2/7/2026	1638
SPEAG	DAE4ip	Dasy Data Acquisition Electronics	9/3/2024	Annual	9/3/2025	793
SPEAG	DAE4	Dasy Data Acquisition Electronics	9/10/2024	Annual	9/10/2025	1449
SPEAG	EX3DV4	SAR Probe	5/10/2024	Annual	5/10/2025	7402
SPEAG	EX3DV4	SAR Probe	12/9/2024	Annual	12/9/2025	7490
SPEAG	EX3DV4	SAR Probe	12/9/2024	Annual	12/9/2025	7551
SPEAG	EX3DV4	SAR Probe	5/8/2024	Annual	5/8/2025	7660
SPEAG	EX3DV4	SAR Probe	6/17/2024	Annual	6/17/2025	7409
SPEAG	EX3DV4	SAR Probe	12/16/2024	Annual	12/16/2025	7547
SPEAG	EX3DV4	SAR Probe	1/8/2025	Annual	1/8/2026	7571
SPEAG	EX3DV4	SAR Probe	2/12/2025	Annual	2/12/2026	7417
SPEAG	EX3DV4	SAR Probe	3/7/2025	Annual	3/7/2026	7488
SPEAG	EX3DV4	SAR Probe	6/28/2024	Annual	6/28/2025	7803
SPEAG	EX3DV4	SAR Probe	11/6/2024	Annual	11/6/2025	7491
SPEAG	EX3DV4	SAR Probe	11/11/2024	Annual	11/11/2025	7539
SPEAG	EX3DV4	SAR Probe	1/9/2025	Annual	1/9/2026	7565
SPEAG	EX3DV4	SAR Probe	5/13/2024	Annual	5/13/2025	7682
SPEAG	EX3DV4	SAR Probe	9/9/2024	Annual	9/9/2025	3949
SPEAG	EX3DV4	SAR Probe	9/11/2024	Annual	9/11/2025	7558
SPEAG	EX3DV4	SAR Probe	2/10/2025	Annual	2/10/2026	7570
SPEAG	EX3DV4	SAR Probe	5/10/2024	Annual	5/10/2025	3914
SPEAG	EX3DV4	SAR Probe	7/5/2024	Annual	7/5/2025	7406
SPEAG	EX3DV4	SAR Probe	5/13/2024	Annual	5/13/2025	7552
SPEAG	EX3DV4	SAR Probe	1/7/2025	Annual	1/7/2026	7713
SPEAG	EX3DV4	SAR Probe	9/9/2024	Annual	9/9/2025	3837
SPEAG	EX3DV4	SAR Probe	9/12/2024	Annual	9/12/2025	7782
SPEAG	EX3DV4	SAR Probe	4/16/2024	Annual	4/16/2025	7546
SPEAG	EUmmWV4	EUmmWV4 Probe	1/8/2025	Annual	1/8/2026	9389

Note: CBT (Calibrated Before Testing). Prior to testing, the measurement paths containing a cable, amplifier, attenuator, coupler or filter were connected to a calibrated source (i.e. a signal generator) 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.
Note: All equipment was used solely within its respective calibration period.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

17 MEASUREMENT UNCERTAINTIES

Note: The tables below represent the worst-case uncertainty budget among the uncertainty budgets of all testing laboratories listed in Section 1.2
Applicable for SAR measurements < 6GHz:

a	b	c	d	e= f(d,k)	f	g	h = c x f/e	i = c x g/e	k
Uncertainty Component	IEEE 1528 Sec.	Tol. (± %)	Prob. Dist.	Div.	c_i 1gm	c_i 10 gms	1gm u_i (± %)	10gms u_i (± %)	v_i
Measurement System									
Probe Calibration	E.2.1	7	N	1	1	1	7.0	7.0	∞
Axial Isotropy	E.2.2	0.25	N	1	0.7	0.7	0.2	0.2	∞
Hemishperical Isotropy	E.2.2	1.3	N	1	0.7	0.7	0.9	0.9	∞
Boundary Effect	E.2.3	2	R	1.73	1	1	1.2	1.2	∞
Linearity	E.2.4	0.3	N	1	1	1	0.3	0.3	∞
System Detection Limits	E.2.4	0.25	R	1.73	1	1	0.1	0.1	∞
Modulation Response	E.2.5	4.8	R	1.73	1	1	2.8	2.8	∞
Readout Electronics	E.2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E.2.7	0.8	R	1.73	1	1	0.5	0.5	∞
Integration Time	E.2.8	2.6	R	1.73	1	1	1.5	1.5	∞
RF Ambient Conditions - Noise	E.6.1	3	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1	3	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E.6.2	0.8	R	1.73	1	1	0.5	0.5	∞
Probe Positioning w/ respect to Phantom	E.6.3	6.7	R	1.73	1	1	3.9	3.9	∞
Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation	E.5	4	R	1.73	1	1	2.3	2.3	∞
Test Sample Related									
Test Sample Positioning	E.4.2	3.12	N	1	1	1	3.1	3.1	35
Device Holder Uncertainty	E.4.1	1.67	N	1	1	1	1.7	1.7	5
Output Power Variation - SAR drift measurement	E.2.9	5	R	1.73	1	1	2.9	2.9	∞
SAR Scaling	E.6.5	0	R	1.73	1	1	0.0	0.0	∞
Phantom & Tissue Parameters									
Phantom Uncertainty (Shape & Thickness tolerances)	E.3.1	7.6	R	1.73	1.0	1.0	4.4	4.4	∞
Liquid Conductivity - measurement uncertainty	E.3.3	4.3	N	1	0.78	0.71	3.3	3.0	76
Liquid Permittivity - measurement uncertainty	E.3.3	4.2	N	1	0.23	0.26	1.0	1.1	75
Liquid Conductivity - Temperature Uncertainty	E.3.4	3.4	R	1.73	0.78	0.71	1.5	1.4	∞
Liquid Permittivity - Temperature Unceritainty	E.3.4	0.6	R	1.73	0.23	0.26	0.1	0.1	∞
Liquid Conductivity - deviation from target values	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Permittivity - deviation from target values	E.3.2	5.0	R	1.73	0.60	0.49	1.7	1.4	∞
Combined Standard Uncertainty (k=1)			RSS				12.2	12.0	191
Expanded Uncertainty (95% CONFIDENCE LEVEL)			k=2				24.4	24.0	

The above measurement uncertainties are according to IEEE Std. 1528-2013

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Applicable for SAR measurements > 6GHz:

a	b	c	d	e= f(d,k)	f	g	h = c x f/e	i = c x g/e	k
Uncertainty Component	IEEE 1528 Sec.	Tol. (± %)	Prob. Dist.	Div.	c_i 1gm	c_i 10 gms	1gm u_i (± %)	10gms u_i (± %)	v_i
Measurement System									
Probe Calibration	E.2.1	9.3	N	1	1	1	9.3	9.3	∞
Axial Isotropy	E.2.2	0.25	N	1	0.7	0.7	0.2	0.2	∞
Hemishperical Isotropy	E.2.2	1.3	N	1	0.7	0.7	0.9	0.9	∞
Boundary Effect	E.2.3	2	R	1.73	1	1	1.2	1.2	∞
Linearity	E.2.4	0.3	N	1	1	1	0.3	0.3	∞
System Detection Limits	E.2.4	0.25	R	1.73	1	1	0.1	0.1	∞
Modulation Response	E.2.5	4.8	R	1.73	1	1	2.8	2.8	∞
Readout Electronics	E.2.6	0.3	N	1	1	1	0.3	0.3	∞
Response Time	E.2.7	0.8	R	1.73	1	1	0.5	0.5	∞
Integration Time	E.2.8	2.6	R	1.73	1	1	1.5	1.5	∞
RF Ambient Conditions - Noise	E.6.1	3	R	1.73	1	1	1.7	1.7	∞
RF Ambient Conditions - Reflections	E.6.1	3	R	1.73	1	1	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	E.6.2	0.8	R	1.73	1	1	0.5	0.5	∞
Probe Positioning w/ respect to Phantom	E.6.3	6.7	R	1.73	1	1	3.9	3.9	∞
Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation	E.5	4	R	1.73	1	1	2.3	2.3	∞
Test Sample Related									
Test Sample Positioning	E.4.2	3.12	N	1	1	1	3.1	3.1	35
Device Holder Uncertainty	E.4.1	1.67	N	1	1	1	1.7	1.7	5
Output Power Variation - SAR drift measurement	E.2.9	5	R	1.73	1	1	2.9	2.9	∞
SAR Scaling	E.6.5	0	R	1.73	1	1	0.0	0.0	∞
Phantom & Tissue Parameters									
Phantom Uncertainty (Shape & Thickness tolerances)	E.3.1	7.6	R	1.73	1.0	1.0	4.4	4.4	∞
Liquid Conductivity - measurement uncertainty	E.3.3	4.3	N	1	0.78	0.71	3.3	3.0	76
Liquid Permittivity - measurement uncertainty	E.3.3	4.2	N	1	0.23	0.26	1.0	1.1	75
Liquid Conductivity - Temperature Uncertainty	E.3.4	3.4	R	1.73	0.78	0.71	1.5	1.4	∞
Liquid Permittivity - Temperature Unceritainty	E.3.4	0.6	R	1.73	0.23	0.26	0.1	0.1	∞
Liquid Conductivity - deviation from target values	E.3.2	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Permittivity - deviation from target values	E.3.2	5.0	R	1.73	0.60	0.49	1.7	1.4	∞
Combined Standard Uncertainty (k=1)			RSS				13.8	13.6	191
Expanded Uncertainty (95% CONFIDENCE LEVEL)			k=2				27.6	27.1	

The above measurement uncertainties are according to IEEE Std. 1528-2013

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

Applicable for Power Density Measurements:

a	b	c	d	e	f = c x f/e	g
Uncertainty Component	Unc. (± dB)	Prob. Dist.	Div.	c_i	u_i (± dB)	v_i
Measurement System						
Calibration	0.49	N	1	1	0.49	∞
Probe Correction	0.00	R	1.73	1	0.00	∞
Frequency Response	0.20	R	1.73	1	0.12	∞
Sensor Cross Coupling	0.00	R	1.73	1	0.00	∞
Isotropy	0.50	R	1.73	1	0.29	∞
Linearity	0.20	R	1.73	1	0.12	∞
Probe Scattering	0.00	R	1.73	1	0.00	∞
Probe Positioning offset	0.30	R	1.73	1	0.17	∞
Probe Positioning Repeatability	0.04	R	1.73	1	0.02	∞
Sensor MechanicalOffset	0.00	R	1.73	1	0.00	∞
Probe Spatial Resolution	0.00	R	1.73	1	0.00	∞
Field Impedence Dependance	0.00	R	1.73	1	0.00	∞
Amplitude and Phase Drift	0.00	R	1.73	1	0.00	∞
Amplitude and Phase Noise	0.04	R	1.73	1	0.02	∞
Measurement Area Truncation	0.00	R	1.73	1	0.00	∞
Data Acquisition	0.03	N	1	1	0.03	∞
Sampling	0.00	R	1.73	1	0.00	∞
Field Reconstruction	2.00	R	1.73	1	1.15	∞
Forward Transformation	0.00	R	1.73	1	0.00	∞
Power Density Scaling	0.00	R	1.73	1	0.00	∞
Spatial Averaging	0.10	R	1.73	1	0.06	∞
System Detection Limit	0.04	R	1.73	1	0.02	∞
Test Sample Related						
Probe Coupling with DUT	0.00	R	1.73	1	0.00	∞
Modulation Response	0.40	R	1.73	1	0.23	∞
Integration Time	0.00	R	1.73	1	0.00	∞
Response Time	0.00	R	1.73	1	0.00	∞
Device Holder Influence	0.10	R	1.73	1	0.06	∞
DUT alignment	0.00	R	1.73	1	0.00	∞
RF Ambient Conditions	0.04	R	1.73	1	0.02	∞
Ambient Reflections	0.04	R	1.73	1	0.02	∞
Immunity/Secondary Reception	0.00	R	1.73	1	0.00	∞
Drift of DUT	0.21	R	1.73	1	0.12	∞
Combined Standard Uncertainty (k=1)		RSS			1.34	∞
Expanded Uncertainty (95% CONFIDENCE LEVEL)		k=2			2.68	

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

18 CONCLUSION

18.1 Measurement Conclusion

The SAR evaluation indicates that the EUT complies with the RF radiation exposure limits of the FCC and Innovation, Science, and Economic Development Canada, with respect to all parameters subject to this test. These measurements were taken to simulate the RF effects of RF exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests. The results and statements relate only to the item(s) tested.

Please note that the absorption and distribution of electromagnetic energy in the body are very complex phenomena that depend on the mass, shape, and size of the body, the orientation of the body with respect to the field vectors, and the electrical properties of both the body and the environment. Other variables that may play a substantial role in possible biological effects are those that characterize the environment (e.g. ambient temperature, air velocity, relative humidity, and body insulation) and those that characterize the individual (e.g. age, gender, activity level, debilitation, or disease). Because various factors may interact with one another to vary the specific biological outcome of an exposure to electromagnetic fields, any protection guide should consider maximal amplification of biological effects as a result of field-body interactions, environmental conditions, and physiological variables. [3]

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

19 REFERENCES

[1] Federal Communications Commission, ET Docket 93-62, Guidelines for Evaluating the Environmental Effects of Radiofrequency Radiation, Aug. 1996.

[2] ANSI/IEEE C95.1-2005, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 3kHz to 300GHz, New York: IEEE, 2006.

[3] ANSI/IEEE C95.1-1992, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 3kHz to 300GHz, New York: IEEE, Sept. 1992.

[4] ANSI/IEEE C95.3-2002, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave, New York: IEEE, December 2002.

[5] IEEE Standards Coordinating Committee 39 –Standards Coordinating Committee 34 – IEEE Std. 1528-2013, IEEE Recommended Practice for Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Head from Wireless Communications Devices: Measurement Techniques.

[6] NCRP, National Council on Radiation Protection and Measurements, Biological Effects and Exposure Criteria for RadioFrequency Electromagnetic Fields, NCRP Report No. 86, 1986. Reprinted Feb. 1995.

[7] T. Schmid, O. Egger, N. Kuster, Automated E-field scanning system for dosimetric assessments, IEEE Transaction on Microwave Theory and Techniques, vol. 44, Jan. 1996, pp. 105-113.

[8] K. Pokovic, T. Schmid, N. Kuster, Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies, ICECOM97, Oct. 1997, pp. 1 -124.

[9] K. Pokovic, T. Schmid, and N. Kuster, E-field Probe with improved isotropy in brain simulating liquids, Proceedings of the ELMAR, Zadar, Croatia, June 23-25, 1996, pp. 172-175.

[10] Schmid & Partner Engineering AG, Application Note: Data Storage and Evaluation, June 1998, p2.

[11] V. Hombach, K. Meier, M. Burkhardt, E. Kuhn, N. Kuster, The Dependence of EM Energy Absorption upon Human Modeling at 900 MHz, IEEE Transaction on Microwave Theory and Techniques, vol. 44 no. 10, Oct. 1996, pp. 1865-1873.

[12] N. Kuster and Q. Balzano, Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300MHz, IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.

[13] G. Hartsgrove, A. Kraszewski, A. Surowiec, Simulated Biological Materials for Electromagnetic Radiation Absorption Studies, University of Ottawa, Bioelectromagnetics, Canada: 1987, pp. 29-36.

[14] Q. Balzano, O. Garay, T. Manning Jr., Electromagnetic Energy Exposure of Simulated Users of Portable Cellular Telephones, IEEE Transactions on Vehicular Technology, vol. 44, no.3, Aug. 1995.

[15] W. Gander, Computermathematick, Birkhaeuser, Basel, 1992.

[16] W.H. Press, S.A. Teukolsky, W.T. Vetterling, and B.P. Flannery, Numerical Recipes in C, The Art of Scientific Computing, Second edition, Cambridge University Press, 1992.

[17] N. Kuster, R. Kastle, T. Schmid, Dosimetric evaluation of mobile communications equipment with known precision, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.

[18] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), Human Exposure to Electromagnetic Fields High-frequency: 10kHz-300GHz, Jan. 1995.

[19] Prof. Dr. Niels Kuster, ETH, Eidgenössische Technische Hoschschule Zürich, Dosimetric Evaluation of the Cellular Phone.

[20] IEC 62209-1, Measurement procedure for the assessment of specific absorption rate of human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Part 1: Devices used next to the ear (Frequency range of 300 MHz to 6 GHz), July 2016.

[21] Innovation, Science, Economic Development Canada RSS-102 Radio Frequency Exposure Compliance of Radiocommunication Apparatus (All Frequency Bands) Issue 5, March 2015.

[22] Health Canada Safety Code 6 Limits of Human Exposure to Radio Frequency Electromagnetic Fields in the Frequency Range from 3 kHz – 300 GHz, 2015

[23] FCC SAR Test Procedures for 2G-3G Devices, Mobile Hotspot and UMPC Devices KDB Publications 941225, D01-D07

[24] SAR Measurement Guidance for IEEE 802.11 Transmitters, KDB Publication 248227 D01

[25] FCC SAR Considerations for Handsets with Multiple Transmitters and Antennas, KDB Publications 648474 D03-D04

[26] FCC SAR Evaluation Considerations for Laptop, Notebook, Netbook and Tablet Computers, FCC KDB Publication 616217 D04

[27] FCC SAR Measurement and Reporting Requirements for 100MHz – 6 GHz, KDB Publications 865664 D01-D02

[28] FCC General RF Exposure Guidance and SAR Procedures for Dongles, KDB Publication 447498, D01-D04

[29] Anexo à Resolução No. 533, de 10 de Septembro de 2009.

[30] IEC 62209-2, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices - Human models, instrumentation, and procedures - Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz), Mar. 2010.

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact CT.INFO@ELEMENT.COM.