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SAR EVALUATION REPORT

Applicant Name:
Apple Inc.
One Apple Park Way
Cupertino, CA 95014 USA

Date of Testing:
7/28/2020-09/16/2020
Test Site/Location:
PCTEST Lab, Morgan Hill, CA, USA
Document Serial No.:
1C2004270030-01-R1.BCG

FCC ID: **BCGA2072**

APPLICANT: **APPLE, INC.**

DUT Type: Tablet Device
Application Type: Certification
FCC Rule Part(s): CFR §2.1093
Model: A2072, A2325

Equipment Class	Band & Mode	Tx Frequency	SAR 1g Body (W/kg)
PCB	GPRS/EDGE 850	824.20 - 848.80 MHz	1.19
PCB	GPRS/EDGE 1900	1850.20 - 1909.80 MHz	1.19
PCB	UMTS 850	826.40 - 846.60 MHz	1.19
PCB	UMTS 1750	1712.4 - 1752.6 MHz	1.19
PCB	UMTS 1900	1852.4 - 1907.6 MHz	1.18
PCB	LTE Band 12	699.7 - 715.3 MHz	1.09
PCB	LTE Band 17	706.5 - 713.5 MHz	N/A
PCB	LTE Band 13	779.5 - 784.5 MHz	1.15
PCB	LTE Band 26 (Cell)	814.7 - 848.3 MHz	1.18
PCB	LTE Band 5 (Cell)	824.7 - 848.3 MHz	1.19
PCB	LTE Band 4 (AWS)	1710.7 - 1754.3 MHz	1.15
PCB	LTE Band 66 (AWS)	1710.7 - 1779.3 MHz	1.17
PCB	LTE Band 2 (PCS)	1850.7 - 1909.3 MHz	1.15
PCB	LTE Band 25 (PCS)	1850.7 - 1914.3 MHz	1.16
PCB	LTE Band 30	2307.5 - 2312.5 MHz	1.13
PCB	LTE Band 7	2502.5 - 2567.5 MHz	1.19
PCB	LTE Band 41	2498.5 - 2687.5 MHz	1.18
CBE	LTE Band 48	3552.5 - 3697.5 MHz	1.14
DTS	2.4 GHz WLAN	2412 - 2472 MHz	1.17
NII	U-NII-1	5180 - 5240 MHz	1.19
NII	U-NII-2A	5260 - 5320 MHz	1.16
NII	U-NII-2C	5500 - 5720 MHz	1.17
NII	U-NII-3	5745 - 5825 MHz	1.18
DSS/DTS	Bluetooth	2402 - 2480 MHz	1.19
Simultaneous SAR per KDB 690783 D01v01r03:			1.59

Note: This revised Test Report (S/N: 1C2004270030-01-R1.BCG) 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 1.7 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.

Randy Ortanez
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.

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1 DEVICE UNDER TEST

1.1 Device Overview

Band & Mode	Operating Modes	Tx Frequency
GPRS/EDGE 850	Data	824.20 - 848.80 MHz
GPRS/EDGE 1900	Data	1850.20 - 1909.80 MHz
UMTS 850	Data	826.40 - 846.60 MHz
UMTS 1750	Data	1712.4 - 1752.6 MHz
UMTS 1900	Data	1852.4 - 1907.6 MHz
LTE Band 12	Data	699.7 - 715.3 MHz
LTE Band 17	Data	706.5 - 713.5 MHz
LTE Band 13	Data	779.5 - 784.5 MHz
LTE Band 26 (Cell)	Data	814.7 - 848.3 MHz
LTE Band 5 (Cell)	Data	824.7 - 848.3 MHz
LTE Band 4 (AWS)	Data	1710.7 - 1754.3 MHz
LTE Band 66 (AWS)	Data	1710.7 - 1779.3 MHz
LTE Band 2 (PCS)	Data	1850.7 - 1909.3 MHz
LTE Band 25 (PCS)	Data	1850.7 - 1914.3 MHz
LTE Band 30	Data	2307.5 - 2312.5 MHz
LTE Band 7	Data	2502.5 - 2567.5 MHz
LTE Band 41	Data	2498.5 - 2687.5 MHz
LTE Band 48	Data	3552.5 - 3697.5 MHz
2.4 GHz WLAN	Voice/Data	2412 - 2472 MHz
U-NII-1	Voice/Data	5180 - 5240 MHz
U-NII-2A	Voice/Data	5260 - 5320 MHz
U-NII-2C	Voice/Data	5500 - 5720 MHz
U-NII-3	Voice/Data	5745 - 5825 MHz
Bluetooth	Data	2402 - 2480 MHz

1.2 Power Reduction for SAR

This device uses the manufacturer's proprietary motion detect mode to determine proximity to the user's body and set the licensed power level accordingly for SAR compliance. When being used in the hand or the body, the output power for licensed transmitters will always be reduced. Per FCC KDB Guidance, SAR testing was performed only using reduced output powers following the test positions in KDB Publication 616217.

This device additionally utilizes a power reduction mechanism for Bluetooth and WLAN operations. When WLAN/Bluetooth is operating simultaneously with certain combinations of 2G/3G/4G and 5 GHz WLAN antennas, the output power of is permanently reduced. SAR evaluations were additionally performed at the maximum allowed output power for these scenarios to evaluate simultaneous transmission compliance.

Detailed descriptions of the power reduction mechanisms are included in the operational description. The power reduction mechanisms were confirmed during the SAR Evaluation. Appendix G contains a summary of the verification results.

Additionally, this device uses an independent mechanism that limits WIFI powers to a time-averaged output power. For the purposes of this test report, all SAR measurements were performed with the algorithm disabled at the maximum time-averaged output power level. Appendix I includes verification data for this time-averaged SAR mechanism

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1.3 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 D01v06.

1.3.1 2G/3G/4G Output Power for Portable Use Conditions

Table 1-1
GPRS/EDGE 850

Mode/Band	Antenna		Data- Burst Average GMSK (in dBm)		Data - Burst Average 8-PSK (in dBm)	
			1 TX Slots	2 TX Slots	1 TX Slots	2 TX Slots
GPRS/EDGE 850	Ant 4	Max allowed power	**31.20**	**28.20**	**27.50**	**26.50**
		Nominal	**30.45**	**27.45**	**26.75**	**25.75**
	Ant 3B	Max allowed power	**27.80**	**24.80**	**26.00**	**24.80**
		Nominal	**27.05**	**24.05**	**25.25**	**24.05**

Table 1-2
GPRS/EDGE 1900

Mode/Band	Antenna		Data- Burst Average GMSK (in dBm)		Data - Burst Average 8-PSK (in dBm)	
			1 TX Slots	2 TX Slots	1 TX Slots	2 TX Slots
GPRS/EDGE 1900	Ant 4	Max allowed power	**26.00**	**23.00**	**26.00**	**23.00**
		Nominal	**25.25**	**22.25**	**25.25**	**22.25**
	Ant 2A	Max allowed power	**24.20**	**21.20**	**23.00**	**21.20**
		Nominal	**23.45**	**20.45**	**22.25**	**20.45**
	Ant 1A	Max allowed power	**25.00**	**22.00**	**24.00**	**22.00**
		Nominal	**24.25**	**21.25**	**23.25**	**21.25**
	Ant 3A	Max allowed power	**23.40**	**20.40**	**23.40**	**20.40**
		Nominal	**22.65**	**19.65**	**22.65**	**19.65**

Table 1-3
UMTS B5 (850 MHz)

Mode/Band	Antenna		Modulated Average Output Power (in dBm)			
			3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
UMTS Band 5 (850 MHz)	Ant4	Max allowed power	**21.10**	**21.10**	**21.10**	**21.10**
		Nominal	**20.60**	**20.60**	**20.60**	**20.60**
	Ant 3B	Max allowed power	**18.10**	**18.10**	**18.10**	**18.10**
		Nominal	**17.60**	**17.60**	**17.60**	**17.60**

Table 1-4
UMTS B4 (1750 MHz)

Mode/Band	Antenna		Modulated Average Output Power (in dBm)			
			3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
UMTS Band 4 (1750 MHz)	Ant 4	Max allowed power	**15.50**	**15.50**	**15.50**	**15.50**
		Nominal	**15.00**	**15.00**	**15.00**	**15.00**
	Ant 2A	Max allowed power	**14.90**	**14.90**	**14.90**	**14.90**
		Nominal	**13.90**	**13.90**	**13.90**	**13.90**
	Ant 1A	Max allowed power	**15.10**	**15.10**	**15.10**	**15.10**
		Nominal	**14.60**	**14.60**	**14.60**	**14.60**
	Ant 3A	Max allowed power	**14.00**	**14.00**	**14.00**	**14.00**
		Nominal	**13.00**	**13.00**	**13.00**	**13.00**

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Table 1-5
UMTS B2 (1900 MHz)

Mode/Band	Antenna		Modulated Average Output Power (in dBm)			
			3GPP WCDMA Rel 99	3GPP HSDPA Rel 5	3GPP HSUPA Rel 6	3GPP DC-HSDPA Rel 8
UMTS Band 2 (1900 MHz)	Ant 4	Max allowed power	16.30	16.30	16.30	16.30
		Nominal	15.80	15.80	15.80	15.80
	Ant 2A	Max allowed power	14.80	14.80	14.80	14.80
		Nominal	13.80	13.80	13.80	13.80
	Ant 1A	Max allowed power	14.80	14.80	14.80	14.80
		Nominal	13.80	13.80	13.80	13.80
	Ant 3A	Max allowed power	14.20	14.20	14.20	14.20
		Nominal	13.20	13.20	13.20	13.20

Table 1-6
LTE Bands

Mode / Band		Modulated Average Output Power (in dBm)				
		Ant 4	Ant 3B	Ant 2A	Ant 1A	Ant 3A
LTE FDD Band 12	Max allowed power	20.90	18.90			
	Nominal	20.40	18.40			
LTE FDD Band 17	Max allowed power	20.90	18.90			
	Nominal	20.40	18.40			
LTE FDD Band 13	Max allowed power	21.10	19.20			
	Nominal	20.60	18.70			
LTE FDD Band 26	Max allowed power	21.10	17.90			
	Nominal	20.60	17.40			
LTE FDD Band 5	Max allowed power	21.10	17.90			
	Nominal	20.60	17.40			
LTE FDD Band 5 Intra-band ULCA	Max allowed power	21.10	17.90			
	Nominal	20.10	16.90			
LTE FDD Band 4	Max allowed power	14.40		15.30	14.80	14.10
	Nominal	13.40		14.80	13.80	13.10
LTE FDD Band 66	Max allowed power	14.40		15.30	14.80	14.10
	Nominal	13.40		14.80	13.80	13.10
LTE FDD Band 2	Max allowed power	16.00		14.40	14.60	14.60
	Nominal	15.50		13.40	13.60	13.60
LTE FDD Band 25	Max allowed power	16.00		14.40	14.60	14.60
	Nominal	15.50		13.40	13.60	13.60
LTE FDD Band 30	Max allowed power	13.70		13.50	14.50	13.70
	Nominal	12.70		12.50	13.50	12.70
LTE FDD Band 7	Max allowed power	13.70		14.60	13.90	12.00
	Nominal	12.70		13.60	12.90	11.00
LTE FDD Band 7 Intra-band ULCA	Max allowed power	13.70		14.60	13.90	12.00
	Nominal	12.70		13.60	12.90	11.00
LTE TDD Band 41 (PC3)	Max allowed power	15.60		16.60	15.00	14.20
	Nominal	15.10		16.10	14.50	13.20
LTE TDD Band 41 (PC3) Intra-band ULCA	Max allowed power	15.60		16.60	15.00	14.20
	Nominal	14.60		15.60	14.00	13.20
LTE TDD Band 41 (PC2)	Max allowed power	15.60		16.60	15.00	14.20
	Nominal	15.10		16.10	14.50	13.20
LTE TDD Band 41 (PC2) Intra-band ULCA	Max allowed power	15.60		16.60	15.00	14.20
	Nominal	14.60		15.60	14.00	13.20
LTE TDD Band 48	Max allowed power	16.50	16.20			
	Nominal	16.00	15.70			

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1.3.2 4G Output Power – Inter-band ULCA Active

Mode / Band		Modulated Average Output Power (in dBm)				
		Ant 4	Ant 3B	Ant 2A	Ant 1A	Ant 3A
LTE FDD Band 12	Max allowed power	17.90	15.90			
	Nominal	17.40	15.40			
LTE FDD Band 13	Max allowed power	18.10	16.20			
	Nominal	17.60	15.70			
LTE FDD Band 5	Max allowed power	18.10	14.90			
	Nominal	17.60	13.90			
LTE FDD Band 4	Max allowed power	11.40		12.30	11.80	11.10
	Nominal	10.40		11.30	10.80	10.10
LTE FDD Band 66	Max allowed power	11.40		12.30	11.80	11.10
	Nominal	10.40		11.30	10.80	10.10
LTE FDD Band 2	Max allowed power	13.00		11.40	11.60	11.60
	Nominal	12.00		10.40	10.60	10.60
LTE FDD Band 30	Max allowed power	10.70		10.50	11.50	10.70
	Nominal	9.70		9.50	10.50	9.70
LTE FDD Band 7	Max allowed power	10.70		11.60	10.90	9.00
	Nominal	9.70		10.60	9.90	8.00

1.3.1 Maximum Time-Averaged Output Power

Note: Targets for 802.11ax RU operations can be found in Appendix H.

Mode/ Band			IEEE 802.11b (2.4 GHz)		IEEE 802.11g (2.4 GHz)		IEEE 802.11n (2.4 GHz)		IEEE 802.11ax SU (2.4 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Antenna 3A	20 MHz Bandwidth	1	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		2	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		3	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		4	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		5	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		6	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		7	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		8	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		9	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		10	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		11	13.00	11.50	13.00	11.50	13.00	11.50	13.00	11.50
		12	13.00	11.50	11.50	10.00	11.50	10.00	11.00	9.50
		13	13.00	11.50	10.50	9.00	10.50	9.00	N/A	N/A

Mode/ Band			IEEE 802.11g (2.4 GHz)		IEEE 802.11n (2.4 GHz)		IEEE 802.11ax SU (2.4 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) - Antenna 3A	20 MHz Bandwidth	1	13.00	11.50	13.00	11.50	12.50	11.00
		2	13.00	11.50	13.00	11.50	13.00	11.50
		3	13.00	11.50	13.00	11.50	13.00	11.50
		4	13.00	11.50	13.00	11.50	13.00	11.50
		5	13.00	11.50	13.00	11.50	13.00	11.50
		6	13.00	11.50	13.00	11.50	13.00	11.50
		7	13.00	11.50	13.00	11.50	13.00	11.50
		8	13.00	11.50	13.00	11.50	13.00	11.50
		9	13.00	11.50	13.00	11.50	13.00	11.50
		10	13.00	11.50	13.00	11.50	13.00	11.50
		11	13.00	11.50	13.00	11.50	12.50	11.00
		12	11.00	9.50	11.00	9.50	10.50	9.00
		13	10.00	8.50	10.00	8.50	N/A	N/A

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode/ Band			IEEE 802.11b (2.4 GHz)		IEEE 802.11g (2.4 GHz)		IEEE 802.11n (2.4 GHz)		IEEE 802.11ax SU (2.4 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Antenna 1A	20 MHz Bandwidth	1	13.75	12.25	13.75	12.25	13.75	12.25	13.00	11.50
		2	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		3	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		4	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		5	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		6	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		7	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		8	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		9	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		10	13.75	12.25	13.75	12.25	13.75	12.25	13.75	12.25
		11	13.75	12.25	13.75	12.25	13.75	12.25	13.50	12.00
		12	13.75	12.25	11.50	10.00	11.50	10.00	11.00	9.50
		13	13.75	12.25	10.50	9.00	10.50	9.00	N/A	N/A

Mode/ Band			IEEE 802.11g (2.4 GHz)		IEEE 802.11n (2.4 GHz)		IEEE 802.11ax SU (2.4 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) - Antenna 1A	20 MHz Bandwidth	1	13.50	12.00	13.50	12.00	12.50	11.00
		2	13.75	12.25	13.75	12.25	13.75	12.25
		3	13.75	12.25	13.75	12.25	13.75	12.25
		4	13.75	12.25	13.75	12.25	13.75	12.25
		5	13.75	12.25	13.75	12.25	13.75	12.25
		6	13.75	12.25	13.75	12.25	13.75	12.25
		7	13.75	12.25	13.75	12.25	13.75	12.25
		8	13.75	12.25	13.75	12.25	13.75	12.25
		9	13.75	12.25	13.75	12.25	13.75	12.25
		10	13.75	12.25	13.75	12.25	13.75	12.25
		11	13.50	12.00	13.50	12.00	12.50	11.00
		12	11.00	9.50	11.00	9.50	10.50	9.00
		13	10.00	8.50	10.00	8.50	N/A	N/A

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Ant 2A	20 MHz Bandwidth	36	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		40	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		44	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		48	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		52	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		56	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		60	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		64	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		100	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		104	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		108	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		112	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		116	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		120	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		124	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		128	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		132	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		136	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		140	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		144	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		149	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
		153	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
		157	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
		161	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
		165	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	40 MHz Bandwidth	38	[redacted]		10.50	9.00	10.50	9.00	10.50	9.00
		46			10.50	9.00	10.50	9.00	10.50	9.00
		54			9.75	8.25	9.75	8.25	9.75	8.25
		62			9.75	8.25	9.75	8.25	9.75	8.25
		102			10.75	9.25	10.75	9.25	10.75	9.25
		110			10.75	9.25	10.75	9.25	10.75	9.25
		118			10.75	9.25	10.75	9.25	10.75	9.25
		126			10.75	9.25	10.75	9.25	10.75	9.25
		134			10.75	9.25	10.75	9.25	10.75	9.25
		142			10.75	9.25	10.75	9.25	10.75	9.25
		151			11.25	9.75	11.25	9.75	11.25	9.75
		159			11.25	9.75	11.25	9.75	11.25	9.75
	80 MHz Bandwidth	42	[redacted]				10.50	9.00	10.50	9.00
		58					9.75	8.25	9.75	8.25
		106					10.75	9.25	10.75	9.25
		122					10.75	9.25	10.75	9.25
		138					10.75	9.25	10.75	9.25
		155					11.25	9.75	11.25	9.75

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Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 2A	20 MHz Bandwidth	36	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		40	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		44	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		48	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		52	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		56	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		60	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		64	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		100	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		104	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		108	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		112	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		116	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		120	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		124	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		128	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		132	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		136	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		140	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		144	10.75	9.25	10.75	9.25	10.75	9.25	10.75	9.25
		149	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
		153	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
		157	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
		161	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
		165	11.25	9.75	11.25	9.75	11.25	9.75	11.25	9.75
	40 MHz Bandwidth	38	[redacted]		10.50	9.00	10.50	9.00	10.50	9.00
		46			10.50	9.00	10.50	9.00	10.50	9.00
		54			9.75	8.25	9.75	8.25	9.75	8.25
		62			9.75	8.25	9.75	8.25	9.75	8.25
		102			10.75	9.25	10.75	9.25	10.75	9.25
		110			10.75	9.25	10.75	9.25	10.75	9.25
		118			10.75	9.25	10.75	9.25	10.75	9.25
		126			10.75	9.25	10.75	9.25	10.75	9.25
		134			10.75	9.25	10.75	9.25	10.75	9.25
		142			10.75	9.25	10.75	9.25	10.75	9.25
		151			11.25	9.75	11.25	9.75	11.25	9.75
		159			11.25	9.75	11.25	9.75	11.25	9.75
	80 MHz Bandwidth	42	[redacted]				10.50	9.00	10.50	9.00
		58					9.75	8.25	9.75	8.25
		106					10.75	9.25	10.75	9.25
		122					10.75	9.25	10.75	9.25
		138					10.75	9.25	10.75	9.25
		155					11.25	9.75	11.25	9.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode/ Band			IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 2A	20 MHz Bandwidth	36	10.50	9.00	10.50	9.00	10.50	9.00
		40	10.50	9.00	10.50	9.00	10.50	9.00
		44	10.50	9.00	10.50	9.00	10.50	9.00
		48	10.50	9.00	10.50	9.00	10.50	9.00
		52	9.75	8.25	9.75	8.25	9.75	8.25
		56	9.75	8.25	9.75	8.25	9.75	8.25
		60	9.75	8.25	9.75	8.25	9.75	8.25
		64	9.75	8.25	9.75	8.25	9.75	8.25
		100	10.75	9.25	10.75	9.25	10.75	9.25
		104	10.75	9.25	10.75	9.25	10.75	9.25
		108	10.75	9.25	10.75	9.25	10.75	9.25
		112	10.75	9.25	10.75	9.25	10.75	9.25
		116	10.75	9.25	10.75	9.25	10.75	9.25
		120	10.75	9.25	10.75	9.25	10.75	9.25
		124	10.75	9.25	10.75	9.25	10.75	9.25
		128	10.75	9.25	10.75	9.25	10.75	9.25
		132	10.75	9.25	10.75	9.25	10.75	9.25
		136	10.75	9.25	10.75	9.25	10.75	9.25
		140	10.75	9.25	10.75	9.25	10.75	9.25
		144	10.75	9.25	10.75	9.25	10.75	9.25
		149	11.25	9.75	11.25	9.75	11.25	9.75
		153	11.25	9.75	11.25	9.75	11.25	9.75
		157	11.25	9.75	11.25	9.75	11.25	9.75
		161	11.25	9.75	11.25	9.75	11.25	9.75
		165	11.25	9.75	11.25	9.75	11.25	9.75
	40 MHz Bandwidth	38	10.50	9.00	10.50	9.00	10.50	9.00
		46	10.50	9.00	10.50	9.00	10.50	9.00
		54	9.75	8.25	9.75	8.25	9.75	8.25
		62	9.75	8.25	9.75	8.25	9.75	8.25
		102	10.75	9.25	10.75	9.25	10.75	9.25
		110	10.75	9.25	10.75	9.25	10.75	9.25
		118	10.75	9.25	10.75	9.25	10.75	9.25
		126	10.75	9.25	10.75	9.25	10.75	9.25
		134	10.75	9.25	10.75	9.25	10.75	9.25
		142	10.75	9.25	10.75	9.25	10.75	9.25
		151	11.25	9.75	11.25	9.75	11.25	9.75
		159	11.25	9.75	11.25	9.75	11.25	9.75
	80 MHz Bandwidth	42	[redacted]		10.50	9.00	10.50	9.00
		58			9.75	8.25	9.75	8.25
		106			10.75	9.25	10.75	9.25
		122			10.75	9.25	10.75	9.25
		138			10.75	9.25	10.75	9.25
		155			11.25	9.75	11.25	9.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Ant 2B	20 MHz Bandwidth	36	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		40	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		44	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		48	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		52	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		56	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		60	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		64	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		100	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		104	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		108	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		112	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		116	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		120	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		124	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		128	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		132	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		136	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		140	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		144	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		149	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		153	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		157	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		161	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		165	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	40 MHz Bandwidth	38	[redacted]		10.50	9.00	10.50	9.00	10.50	9.00
		46			10.50	9.00	10.50	9.00	10.50	9.00
		54			11.50	10.00	11.50	10.00	11.50	10.00
		62			11.50	10.00	11.50	10.00	11.50	10.00
		102			10.25	8.75	10.25	8.75	10.25	8.75
		110			10.25	8.75	10.25	8.75	10.25	8.75
		118			10.25	8.75	10.25	8.75	10.25	8.75
		126			10.25	8.75	10.25	8.75	10.25	8.75
		134			10.25	8.75	10.25	8.75	10.25	8.75
		142			10.25	8.75	10.25	8.75	10.25	8.75
		151			9.75	8.25	9.75	8.25	9.75	8.25
		159			9.75	8.25	9.75	8.25	9.75	8.25
	80 MHz Bandwidth	42	[redacted]				10.50	9.00	10.50	9.00
		58					11.50	10.00	11.50	10.00
		106					10.25	8.75	10.25	8.75
		122					10.25	8.75	10.25	8.75
		138					10.25	8.75	10.25	8.75
		155					9.75	8.25	9.75	8.25

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Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 2B	20 MHz Bandwidth	36	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		40	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		44	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		48	10.50	9.00	10.50	9.00	10.50	9.00	10.50	9.00
		52	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		56	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		60	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		64	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		100	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		104	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		108	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		112	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		116	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		120	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		124	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		128	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		132	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		136	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		140	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		144	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		149	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		153	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		157	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		161	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		165	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
	40 MHz Bandwidth	38	[redacted]		10.50	9.00	10.50	9.00	10.50	9.00
		46			10.50	9.00	10.50	9.00	10.50	9.00
		54			11.50	10.00	11.50	10.00	11.50	10.00
		62			11.50	10.00	11.50	10.00	11.50	10.00
		102			10.25	8.75	10.25	8.75	10.25	8.75
		110			10.25	8.75	10.25	8.75	10.25	8.75
		118			10.25	8.75	10.25	8.75	10.25	8.75
		126			10.25	8.75	10.25	8.75	10.25	8.75
		134			10.25	8.75	10.25	8.75	10.25	8.75
		142			10.25	8.75	10.25	8.75	10.25	8.75
		151			9.75	8.25	9.75	8.25	9.75	8.25
		159			9.75	8.25	9.75	8.25	9.75	8.25
	80 MHz Bandwidth	42	[redacted]				10.50	9.00	10.50	9.00
		58					11.50	10.00	11.50	10.00
		106					10.25	8.75	10.25	8.75
		122					10.25	8.75	10.25	8.75
		138					10.25	8.75	10.25	8.75
		155					9.75	8.25	9.75	8.25

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode/ Band			IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 2B	20 MHz Bandwidth	36	10.50	9.00	10.50	9.00	10.50	9.00
		40	10.50	9.00	10.50	9.00	10.50	9.00
		44	10.50	9.00	10.50	9.00	10.50	9.00
		48	10.50	9.00	10.50	9.00	10.50	9.00
		52	11.50	10.00	11.50	10.00	11.50	10.00
		56	11.50	10.00	11.50	10.00	11.50	10.00
		60	11.50	10.00	11.50	10.00	11.50	10.00
		64	11.50	10.00	11.50	10.00	11.50	10.00
		100	10.25	8.75	10.25	8.75	10.25	8.75
		104	10.25	8.75	10.25	8.75	10.25	8.75
		108	10.25	8.75	10.25	8.75	10.25	8.75
		112	10.25	8.75	10.25	8.75	10.25	8.75
		116	10.25	8.75	10.25	8.75	10.25	8.75
		120	10.25	8.75	10.25	8.75	10.25	8.75
		124	10.25	8.75	10.25	8.75	10.25	8.75
		128	10.25	8.75	10.25	8.75	10.25	8.75
		132	10.25	8.75	10.25	8.75	10.25	8.75
		136	10.25	8.75	10.25	8.75	10.25	8.75
		140	10.25	8.75	10.25	8.75	10.25	8.75
		144	10.25	8.75	10.25	8.75	10.25	8.75
		149	9.75	8.25	9.75	8.25	9.75	8.25
		153	9.75	8.25	9.75	8.25	9.75	8.25
		157	9.75	8.25	9.75	8.25	9.75	8.25
		161	9.75	8.25	9.75	8.25	9.75	8.25
		165	9.75	8.25	9.75	8.25	9.75	8.25
	40 MHz Bandwidth	38	10.50	9.00	10.50	9.00	10.50	9.00
		46	10.50	9.00	10.50	9.00	10.50	9.00
		54	11.50	10.00	11.50	10.00	11.50	10.00
		62	11.50	10.00	11.50	10.00	11.50	10.00
		102	10.25	8.75	10.25	8.75	10.25	8.75
		110	10.25	8.75	10.25	8.75	10.25	8.75
		118	10.25	8.75	10.25	8.75	10.25	8.75
		126	10.25	8.75	10.25	8.75	10.25	8.75
		134	10.25	8.75	10.25	8.75	10.25	8.75
		142	10.25	8.75	10.25	8.75	10.25	8.75
		151	9.75	8.25	9.75	8.25	9.75	8.25
		159	9.75	8.25	9.75	8.25	9.75	8.25
	80 MHz Bandwidth	42	[redacted]		10.50	9.00	10.50	9.00
		58			11.50	10.00	11.50	10.00
		106			10.25	8.75	10.25	8.75
		122			10.25	8.75	10.25	8.75
		138			10.25	8.75	10.25	8.75
		155			9.75	8.25	9.75	8.25

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) -Ant 1B	20 MHz Bandwidth	36	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		40	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		44	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		48	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		52	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		56	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		60	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		64	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		100	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		104	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		108	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		112	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		116	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		120	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		124	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		128	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		132	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		136	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		140	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		144	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		149	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		153	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		157	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		161	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		165	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	40 MHz Bandwidth	38	[redacted]		11.50	10.00	11.50	10.00	11.50	10.00
		46			11.50	10.00	11.50	10.00	11.50	10.00
		54			9.75	8.25	9.75	8.25	9.75	8.25
		62			9.75	8.25	9.75	8.25	9.75	8.25
		102			10.25	8.75	10.25	8.75	10.25	8.75
		110			10.25	8.75	10.25	8.75	10.25	8.75
		118			10.25	8.75	10.25	8.75	10.25	8.75
		126			10.25	8.75	10.25	8.75	10.25	8.75
		134			10.25	8.75	10.25	8.75	10.25	8.75
		142			10.25	8.75	10.25	8.75	10.25	8.75
		151			10.25	8.75	10.25	8.75	10.25	8.75
		159			10.25	8.75	10.25	8.75	10.25	8.75
	80 MHz Bandwidth	42	[redacted]				11.50	10.00	11.50	10.00
		58					9.75	8.25	9.75	8.25
		106					10.25	8.75	10.25	8.75
		122					10.25	8.75	10.25	8.75
		138					10.25	8.75	10.25	8.75
		155					10.25	8.75	10.25	8.75

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Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 1B	20 MHz Bandwidth	36	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		40	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		44	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		48	11.50	10.00	11.50	10.00	11.50	10.00	11.50	10.00
		52	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		56	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		60	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		64	9.75	8.25	9.75	8.25	9.75	8.25	9.75	8.25
		100	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		104	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		108	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		112	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		116	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		120	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		124	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		128	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		132	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		136	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		140	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		144	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		149	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		153	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		157	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		161	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
		165	10.25	8.75	10.25	8.75	10.25	8.75	10.25	8.75
	40 MHz Bandwidth	38	[redacted]		11.50	10.00	11.50	10.00	11.50	10.00
		46			11.50	10.00	11.50	10.00	11.50	10.00
		54			9.75	8.25	9.75	8.25	9.75	8.25
		62			9.75	8.25	9.75	8.25	9.75	8.25
		102			10.25	8.75	10.25	8.75	10.25	8.75
		110			10.25	8.75	10.25	8.75	10.25	8.75
		118			10.25	8.75	10.25	8.75	10.25	8.75
		126			10.25	8.75	10.25	8.75	10.25	8.75
		134			10.25	8.75	10.25	8.75	10.25	8.75
		142			10.25	8.75	10.25	8.75	10.25	8.75
		151			10.25	8.75	10.25	8.75	10.25	8.75
		159			10.25	8.75	10.25	8.75	10.25	8.75
	80 MHz Bandwidth	42					11.50	10.00	11.50	10.00
		58					9.75	8.25	9.75	8.25
		106					10.25	8.75	10.25	8.75
		122					10.25	8.75	10.25	8.75
		138					10.25	8.75	10.25	8.75
		155					10.25	8.75	10.25	8.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Mode/ Band			IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 1B	20 MHz Bandwidth	36	11.50	10.00	11.50	10.00	11.50	10.00
		40	11.50	10.00	11.50	10.00	11.50	10.00
		44	11.50	10.00	11.50	10.00	11.50	10.00
		48	11.50	10.00	11.50	10.00	11.50	10.00
		52	9.75	8.25	9.75	8.25	9.75	8.25
		56	9.75	8.25	9.75	8.25	9.75	8.25
		60	9.75	8.25	9.75	8.25	9.75	8.25
		64	9.75	8.25	9.75	8.25	9.75	8.25
		100	10.25	8.75	10.25	8.75	10.25	8.75
		104	10.25	8.75	10.25	8.75	10.25	8.75
		108	10.25	8.75	10.25	8.75	10.25	8.75
		112	10.25	8.75	10.25	8.75	10.25	8.75
		116	10.25	8.75	10.25	8.75	10.25	8.75
		120	10.25	8.75	10.25	8.75	10.25	8.75
		124	10.25	8.75	10.25	8.75	10.25	8.75
		128	10.25	8.75	10.25	8.75	10.25	8.75
		132	10.25	8.75	10.25	8.75	10.25	8.75
		136	10.25	8.75	10.25	8.75	10.25	8.75
		140	10.25	8.75	10.25	8.75	10.25	8.75
		144	10.25	8.75	10.25	8.75	10.25	8.75
		149	10.25	8.75	10.25	8.75	10.25	8.75
		153	10.25	8.75	10.25	8.75	10.25	8.75
		157	10.25	8.75	10.25	8.75	10.25	8.75
		161	10.25	8.75	10.25	8.75	10.25	8.75
		165	10.25	8.75	10.25	8.75	10.25	8.75
	40 MHz Bandwidth	38	11.50	10.00	11.50	10.00	11.50	10.00
		46	11.50	10.00	11.50	10.00	11.50	10.00
		54	9.75	8.25	9.75	8.25	9.75	8.25
		62	9.75	8.25	9.75	8.25	9.75	8.25
		102	10.25	8.75	10.25	8.75	10.25	8.75
		110	10.25	8.75	10.25	8.75	10.25	8.75
		118	10.25	8.75	10.25	8.75	10.25	8.75
		126	10.25	8.75	10.25	8.75	10.25	8.75
		134	10.25	8.75	10.25	8.75	10.25	8.75
		142	10.25	8.75	10.25	8.75	10.25	8.75
		151	10.25	8.75	10.25	8.75	10.25	8.75
		159	10.25	8.75	10.25	8.75	10.25	8.75
	80 MHz Bandwidth	42	[redacted]		11.50	10.00	11.50	10.00
		58			9.75	8.25	9.75	8.25
		106			10.25	8.75	10.25	8.75
		122			10.25	8.75	10.25	8.75
		138			10.25	8.75	10.25	8.75
		155			10.25	8.75	10.25	8.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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1.3.2 Reduced Time-Averaged Output Power

Note: Targets for 802.11ax RU operations can be found in Appendix H

Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 3A/3B active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11b (2.4 GHz)		IEEE 802.11g (2.4 GHz)		IEEE 802.11n (2.4 GHz)		IEEE 802.11ax SU (2.4 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Antenna 3A	20 MHz Bandwidth	1	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		2	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		3	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		4	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		5	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		6	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		7	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		8	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		9	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		10	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		11	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		12	6.00	4.50	6.00	4.50	6.00	4.50	6.00	4.50
		13	6.00	4.50	6.00	4.50	6.00	4.50	N/A	N/A

Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 3A/3B active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11g (2.4 GHz)		IEEE 802.11n (2.4 GHz)		IEEE 802.11ax SU (2.4 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) - Antenna 3A	20 MHz Bandwidth	1	6.00	4.50	6.00	4.50	6.00	4.50
		2	6.00	4.50	6.00	4.50	6.00	4.50
		3	6.00	4.50	6.00	4.50	6.00	4.50
		4	6.00	4.50	6.00	4.50	6.00	4.50
		5	6.00	4.50	6.00	4.50	6.00	4.50
		6	6.00	4.50	6.00	4.50	6.00	4.50
		7	6.00	4.50	6.00	4.50	6.00	4.50
		8	6.00	4.50	6.00	4.50	6.00	4.50
		9	6.00	4.50	6.00	4.50	6.00	4.50
		10	6.00	4.50	6.00	4.50	6.00	4.50
		11	6.00	4.50	6.00	4.50	6.00	4.50
		12	6.00	4.50	6.00	4.50	6.00	4.50
		13	6.00	4.50	6.00	4.50	N/A	N/A

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 1A active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11b (2.4 GHz)		IEEE 802.11g (2.4 GHz)		IEEE 802.11n (2.4 GHz)		IEEE 802.11ax SU (2.4 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Antenna 1A	20 MHz Bandwidth	1	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		2	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		3	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		4	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		5	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		6	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		7	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		8	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		9	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		10	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		11	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		12	6.75	5.25	6.75	5.25	6.75	5.25	6.75	5.25
		13	6.75	5.25	6.75	5.25	6.75	5.25	N/A	N/A

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Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 1A active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11g (2.4 GHz)		IEEE 802.11n (2.4 GHz)		IEEE 802.11ax SU (2.4 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) - Antenna 1A	20 MHz Bandwidth	1	6.75	5.25	6.75	5.25	6.75	5.25
		2	6.75	5.25	6.75	5.25	6.75	5.25
		3	6.75	5.25	6.75	5.25	6.75	5.25
		4	6.75	5.25	6.75	5.25	6.75	5.25
		5	6.75	5.25	6.75	5.25	6.75	5.25
		6	6.75	5.25	6.75	5.25	6.75	5.25
		7	6.75	5.25	6.75	5.25	6.75	5.25
		8	6.75	5.25	6.75	5.25	6.75	5.25
		9	6.75	5.25	6.75	5.25	6.75	5.25
		10	6.75	5.25	6.75	5.25	6.75	5.25
		11	6.75	5.25	6.75	5.25	6.75	5.25
		12	6.75	5.25	6.75	5.25	6.75	5.25
		13	6.75	5.25	6.75	5.25	N/A	N/A

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 2A active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Ant 2A	20 MHz Bandwidth	36	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		40	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		44	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		48	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		52	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		56	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		60	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		64	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		100	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		104	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		108	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		112	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		116	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		120	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		124	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		128	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		132	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		136	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		140	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		144	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		149	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		153	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		157	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		161	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		165	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
	40 MHz Bandwidth	38	[redacted]		3.50	2.00	3.50	2.00	3.50	2.00
		46			3.50	2.00	3.50	2.00	3.50	2.00
		54			2.75	1.25	2.75	1.25	2.75	1.25
		62			2.75	1.25	2.75	1.25	2.75	1.25
		102			3.75	2.25	3.75	2.25	3.75	2.25
		110			3.75	2.25	3.75	2.25	3.75	2.25
		118			3.75	2.25	3.75	2.25	3.75	2.25
		126			3.75	2.25	3.75	2.25	3.75	2.25
		134			3.75	2.25	3.75	2.25	3.75	2.25
		142			3.75	2.25	3.75	2.25	3.75	2.25
		151			4.25	2.75	4.25	2.75	4.25	2.75
		159			4.25	2.75	4.25	2.75	4.25	2.75
	80 MHz Bandwidth	42					3.50	2.00	3.50	2.00
		58					2.75	1.25	2.75	1.25
		106					3.75	2.25	3.75	2.25
		122					3.75	2.25	3.75	2.25
		138					3.75	2.25	3.75	2.25
		155					4.25	2.75	4.25	2.75

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-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 2A	20 MHz Bandwidth	36	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		40	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		44	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		48	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		52	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		56	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		60	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		64	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		100	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		104	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		108	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		112	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		116	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		120	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		124	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		128	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		132	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		136	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		140	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		144	3.75	2.25	3.75	2.25	3.75	2.25	3.75	2.25
		149	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		153	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		157	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		161	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
		165	4.25	2.75	4.25	2.75	4.25	2.75	4.25	2.75
	40 MHz Bandwidth	38			3.50	2.00	3.50	2.00	3.50	2.00
		46			3.50	2.00	3.50	2.00	3.50	2.00
		54			2.75	1.25	2.75	1.25	2.75	1.25
		62			2.75	1.25	2.75	1.25	2.75	1.25
		102			3.75	2.25	3.75	2.25	3.75	2.25
		110			3.75	2.25	3.75	2.25	3.75	2.25
		118			3.75	2.25	3.75	2.25	3.75	2.25
		126			3.75	2.25	3.75	2.25	3.75	2.25
		134			3.75	2.25	3.75	2.25	3.75	2.25
		142			3.75	2.25	3.75	2.25	3.75	2.25
		151			4.25	2.75	4.25	2.75	4.25	2.75
		159			4.25	2.75	4.25	2.75	4.25	2.75
	80 MHz Bandwidth	42					3.50	2.00	3.50	2.00
		58					2.75	1.25	2.75	1.25
		106					3.75	2.25	3.75	2.25
		122					3.75	2.25	3.75	2.25
		138					3.75	2.25	3.75	2.25
		155					4.25	2.75	4.25	2.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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-Simultaneous conditions with Licensed Bands Antenna 2A active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 2A	20 MHz Bandwidth	36	3.50	2.00	3.50	2.00	3.50	2.00
		40	3.50	2.00	3.50	2.00	3.50	2.00
		44	3.50	2.00	3.50	2.00	3.50	2.00
		48	3.50	2.00	3.50	2.00	3.50	2.00
		52	2.75	1.25	2.75	1.25	2.75	1.25
		56	2.75	1.25	2.75	1.25	2.75	1.25
		60	2.75	1.25	2.75	1.25	2.75	1.25
		64	2.75	1.25	2.75	1.25	2.75	1.25
		100	3.75	2.25	3.75	2.25	3.75	2.25
		104	3.75	2.25	3.75	2.25	3.75	2.25
		108	3.75	2.25	3.75	2.25	3.75	2.25
		112	3.75	2.25	3.75	2.25	3.75	2.25
		116	3.75	2.25	3.75	2.25	3.75	2.25
		120	3.75	2.25	3.75	2.25	3.75	2.25
		124	3.75	2.25	3.75	2.25	3.75	2.25
		128	3.75	2.25	3.75	2.25	3.75	2.25
		132	3.75	2.25	3.75	2.25	3.75	2.25
		136	3.75	2.25	3.75	2.25	3.75	2.25
		140	3.75	2.25	3.75	2.25	3.75	2.25
		144	3.75	2.25	3.75	2.25	3.75	2.25
		149	4.25	2.75	4.25	2.75	4.25	2.75
		153	4.25	2.75	4.25	2.75	4.25	2.75
		157	4.25	2.75	4.25	2.75	4.25	2.75
		161	4.25	2.75	4.25	2.75	4.25	2.75
		165	4.25	2.75	4.25	2.75	4.25	2.75
	40 MHz Bandwidth	38	3.50	2.00	3.50	2.00	3.50	2.00
		46	3.50	2.00	3.50	2.00	3.50	2.00
		54	2.75	1.25	2.75	1.25	2.75	1.25
		62	2.75	1.25	2.75	1.25	2.75	1.25
		102	3.75	2.25	3.75	2.25	3.75	2.25
		110	3.75	2.25	3.75	2.25	3.75	2.25
		118	3.75	2.25	3.75	2.25	3.75	2.25
		126	3.75	2.25	3.75	2.25	3.75	2.25
		134	3.75	2.25	3.75	2.25	3.75	2.25
		142	3.75	2.25	3.75	2.25	3.75	2.25
		151	4.25	2.75	4.25	2.75	4.25	2.75
		159	4.25	2.75	4.25	2.75	4.25	2.75
	80 MHz Bandwidth	42	[redacted]		3.50	2.00	3.50	2.00
		58			2.75	1.25	2.75	1.25
		106			3.75	2.25	3.75	2.25
		122			3.75	2.25	3.75	2.25
		138			3.75	2.25	3.75	2.25
		155			4.25	2.75	4.25	2.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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-Simultaneous conditions with Licensed Bands Antenna 2A active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Ant 2B	20 MHz Bandwidth	36	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		40	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		44	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		48	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		52	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		56	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		60	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		64	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		100	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		104	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		108	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		112	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		116	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		120	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		124	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		128	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		132	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		136	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		140	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		144	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		149	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		153	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		157	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		161	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		165	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
	40 MHz Bandwidth	38	[redacted]		3.50	2.00	3.50	2.00	3.50	2.00
		46			3.50	2.00	3.50	2.00	3.50	2.00
		54			4.50	3.00	4.50	3.00	4.50	3.00
		62			4.50	3.00	4.50	3.00	4.50	3.00
		102			3.25	1.75	3.25	1.75	3.25	1.75
		110			3.25	1.75	3.25	1.75	3.25	1.75
		118			3.25	1.75	3.25	1.75	3.25	1.75
		126			3.25	1.75	3.25	1.75	3.25	1.75
		134			3.25	1.75	3.25	1.75	3.25	1.75
		142			3.25	1.75	3.25	1.75	3.25	1.75
		151			2.75	1.25	2.75	1.25	2.75	1.25
		159			2.75	1.25	2.75	1.25	2.75	1.25
	80 MHz Bandwidth	42			[redacted]		3.50	2.00	3.50	2.00
		58					4.50	3.00	4.50	3.00
		106					3.25	1.75	3.25	1.75
		122					3.25	1.75	3.25	1.75
		138					3.25	1.75	3.25	1.75
		155					2.75	1.25	2.75	1.25

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Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 2B	20 MHz Bandwidth	36	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		40	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		44	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		48	3.50	2.00	3.50	2.00	3.50	2.00	3.50	2.00
		52	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		56	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		60	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		64	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		100	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		104	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		108	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		112	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		116	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		120	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		124	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		128	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		132	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		136	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		140	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		144	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		149	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		153	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		157	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		161	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		165	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
	40 MHz Bandwidth	38			3.50	2.00	3.50	2.00	3.50	2.00
		46			3.50	2.00	3.50	2.00	3.50	2.00
		54			4.50	3.00	4.50	3.00	4.50	3.00
		62			4.50	3.00	4.50	3.00	4.50	3.00
		102			3.25	1.75	3.25	1.75	3.25	1.75
		110			3.25	1.75	3.25	1.75	3.25	1.75
		118			3.25	1.75	3.25	1.75	3.25	1.75
		126			3.25	1.75	3.25	1.75	3.25	1.75
		134			3.25	1.75	3.25	1.75	3.25	1.75
		142			3.25	1.75	3.25	1.75	3.25	1.75
		151			2.75	1.25	2.75	1.25	2.75	1.25
		159			2.75	1.25	2.75	1.25	2.75	1.25
	80 MHz Bandwidth	42					3.50	2.00	3.50	2.00
		58					4.50	3.00	4.50	3.00
		106					3.25	1.75	3.25	1.75
		122					3.25	1.75	3.25	1.75
		138					3.25	1.75	3.25	1.75
		155					2.75	1.25	2.75	1.25

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Below table is applicable in the following conditions:
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-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 2B	20 MHz Bandwidth	36	3.50	2.00	3.50	2.00	3.50	2.00
		40	3.50	2.00	3.50	2.00	3.50	2.00
		44	3.50	2.00	3.50	2.00	3.50	2.00
		48	3.50	2.00	3.50	2.00	3.50	2.00
		52	4.50	3.00	4.50	3.00	4.50	3.00
		56	4.50	3.00	4.50	3.00	4.50	3.00
		60	4.50	3.00	4.50	3.00	4.50	3.00
		64	4.50	3.00	4.50	3.00	4.50	3.00
		100	3.25	1.75	3.25	1.75	3.25	1.75
		104	3.25	1.75	3.25	1.75	3.25	1.75
		108	3.25	1.75	3.25	1.75	3.25	1.75
		112	3.25	1.75	3.25	1.75	3.25	1.75
		116	3.25	1.75	3.25	1.75	3.25	1.75
		120	3.25	1.75	3.25	1.75	3.25	1.75
		124	3.25	1.75	3.25	1.75	3.25	1.75
		128	3.25	1.75	3.25	1.75	3.25	1.75
		132	3.25	1.75	3.25	1.75	3.25	1.75
		136	3.25	1.75	3.25	1.75	3.25	1.75
		140	3.25	1.75	3.25	1.75	3.25	1.75
		144	3.25	1.75	3.25	1.75	3.25	1.75
		149	2.75	1.25	2.75	1.25	2.75	1.25
		153	2.75	1.25	2.75	1.25	2.75	1.25
		157	2.75	1.25	2.75	1.25	2.75	1.25
		161	2.75	1.25	2.75	1.25	2.75	1.25
		165	2.75	1.25	2.75	1.25	2.75	1.25
	40 MHz Bandwidth	38	3.50	2.00	3.50	2.00	3.50	2.00
		46	3.50	2.00	3.50	2.00	3.50	2.00
		54	4.50	3.00	4.50	3.00	4.50	3.00
		62	4.50	3.00	4.50	3.00	4.50	3.00
		102	3.25	1.75	3.25	1.75	3.25	1.75
		110	3.25	1.75	3.25	1.75	3.25	1.75
		118	3.25	1.75	3.25	1.75	3.25	1.75
		126	3.25	1.75	3.25	1.75	3.25	1.75
		134	3.25	1.75	3.25	1.75	3.25	1.75
		142	3.25	1.75	3.25	1.75	3.25	1.75
		151	2.75	1.25	2.75	1.25	2.75	1.25
		159	2.75	1.25	2.75	1.25	2.75	1.25
	80 MHz Bandwidth	42			3.50	2.00	3.50	2.00
		58			4.50	3.00	4.50	3.00
		106			3.25	1.75	3.25	1.75
		122			3.25	1.75	3.25	1.75
		138			3.25	1.75	3.25	1.75
		155			2.75	1.25	2.75	1.25

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - Single Tx Chain (dBm) - Ant 1B	20 MHz Bandwidth	36	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		40	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		44	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		48	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		52	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		56	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		60	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		64	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		100	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		104	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		108	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		112	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		116	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		120	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		124	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		128	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		132	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		136	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		140	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		144	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		149	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		153	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		157	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		161	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		165	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
	40 MHz Bandwidth	38	[redacted]		4.50	3.00	4.50	3.00	4.50	3.00
		46			4.50	3.00	4.50	3.00	4.50	3.00
		54			2.75	1.25	2.75	1.25	2.75	1.25
		62			2.75	1.25	2.75	1.25	2.75	1.25
		102			3.25	1.75	3.25	1.75	3.25	1.75
		110			3.25	1.75	3.25	1.75	3.25	1.75
		118			3.25	1.75	3.25	1.75	3.25	1.75
		126			3.25	1.75	3.25	1.75	3.25	1.75
		134			3.25	1.75	3.25	1.75	3.25	1.75
		142			3.25	1.75	3.25	1.75	3.25	1.75
		151			3.25	1.75	3.25	1.75	3.25	1.75
		159			3.25	1.75	3.25	1.75	3.25	1.75
	80 MHz Bandwidth	42					4.50	3.00	4.50	3.00
		58					2.75	1.25	2.75	1.25
		106					3.25	1.75	3.25	1.75
		122					3.25	1.75	3.25	1.75
		138					3.25	1.75	3.25	1.75
		155					3.25	1.75	3.25	1.75

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-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11a (5 GHz)		IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) CDD - Ant 1B	20 MHz Bandwidth	36	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		40	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		44	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		48	4.50	3.00	4.50	3.00	4.50	3.00	4.50	3.00
		52	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		56	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		60	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		64	2.75	1.25	2.75	1.25	2.75	1.25	2.75	1.25
		100	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		104	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		108	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		112	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		116	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		120	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		124	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		128	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		132	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		136	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		140	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		144	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		149	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		153	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		157	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		161	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
		165	3.25	1.75	3.25	1.75	3.25	1.75	3.25	1.75
	40 MHz Bandwidth	38			4.50	3.00	4.50	3.00	4.50	3.00
		46			4.50	3.00	4.50	3.00	4.50	3.00
		54			2.75	1.25	2.75	1.25	2.75	1.25
		62			2.75	1.25	2.75	1.25	2.75	1.25
		102			3.25	1.75	3.25	1.75	3.25	1.75
		110			3.25	1.75	3.25	1.75	3.25	1.75
		118			3.25	1.75	3.25	1.75	3.25	1.75
		126			3.25	1.75	3.25	1.75	3.25	1.75
		134			3.25	1.75	3.25	1.75	3.25	1.75
		142			3.25	1.75	3.25	1.75	3.25	1.75
		151			3.25	1.75	3.25	1.75	3.25	1.75
		159			3.25	1.75	3.25	1.75	3.25	1.75
	80 MHz Bandwidth	42					4.50	3.00	4.50	3.00
		58					2.75	1.25	2.75	1.25
		106					3.25	1.75	3.25	1.75
		122					3.25	1.75	3.25	1.75
		138					3.25	1.75	3.25	1.75
		155					3.25	1.75	3.25	1.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 1A active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode/ Band			IEEE 802.11n (5 GHz)		IEEE 802.11ac (5 GHz)		IEEE 802.11ax SU (5 GHz)	
		Channel	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal
Modulated Average - 2 Tx Chain (dBm) SDM - Ant 1B	20 MHz Bandwidth	36	4.50	3.00	4.50	3.00	4.50	3.00
		40	4.50	3.00	4.50	3.00	4.50	3.00
		44	4.50	3.00	4.50	3.00	4.50	3.00
		48	4.50	3.00	4.50	3.00	4.50	3.00
		52	2.75	1.25	2.75	1.25	2.75	1.25
		56	2.75	1.25	2.75	1.25	2.75	1.25
		60	2.75	1.25	2.75	1.25	2.75	1.25
		64	2.75	1.25	2.75	1.25	2.75	1.25
		100	3.25	1.75	3.25	1.75	3.25	1.75
		104	3.25	1.75	3.25	1.75	3.25	1.75
		108	3.25	1.75	3.25	1.75	3.25	1.75
		112	3.25	1.75	3.25	1.75	3.25	1.75
		116	3.25	1.75	3.25	1.75	3.25	1.75
		120	3.25	1.75	3.25	1.75	3.25	1.75
		124	3.25	1.75	3.25	1.75	3.25	1.75
		128	3.25	1.75	3.25	1.75	3.25	1.75
		132	3.25	1.75	3.25	1.75	3.25	1.75
		136	3.25	1.75	3.25	1.75	3.25	1.75
		140	3.25	1.75	3.25	1.75	3.25	1.75
		144	3.25	1.75	3.25	1.75	3.25	1.75
		149	3.25	1.75	3.25	1.75	3.25	1.75
		153	3.25	1.75	3.25	1.75	3.25	1.75
		157	3.25	1.75	3.25	1.75	3.25	1.75
		161	3.25	1.75	3.25	1.75	3.25	1.75
		165	3.25	1.75	3.25	1.75	3.25	1.75
	40 MHz Bandwidth	38	4.50	3.00	4.50	3.00	4.50	3.00
		46	4.50	3.00	4.50	3.00	4.50	3.00
		54	2.75	1.25	2.75	1.25	2.75	1.25
		62	2.75	1.25	2.75	1.25	2.75	1.25
		102	3.25	1.75	3.25	1.75	3.25	1.75
		110	3.25	1.75	3.25	1.75	3.25	1.75
		118	3.25	1.75	3.25	1.75	3.25	1.75
		126	3.25	1.75	3.25	1.75	3.25	1.75
		134	3.25	1.75	3.25	1.75	3.25	1.75
		142	3.25	1.75	3.25	1.75	3.25	1.75
		151	3.25	1.75	3.25	1.75	3.25	1.75
		159	3.25	1.75	3.25	1.75	3.25	1.75
	80 MHz Bandwidth	42			4.50	3.00	4.50	3.00
		58			2.75	1.25	2.75	1.25
		106			3.25	1.75	3.25	1.75
		122			3.25	1.75	3.25	1.75
		138			3.25	1.75	3.25	1.75
		155			3.25	1.75	3.25	1.75

Note: In MIMO operations, each antenna transmits at maximum allowed powers as indicated above.

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1.3.3 Bluetooth Maximum Output Power

Mode / Band		Modulated Average - Single Tx Chain (dBm) - Ant 3A
Bluetooth BDR/LE	Maximum	**13.75**
	Nominal	**12.25**
Bluetooth EDR	Maximum	**13.00**
	Nominal	**11.50**
Bluetooth HDR	Maximum	**11.00**
	Nominal	**9.50**

Mode / Band		Modulated Average - MIMO (dBm) - Ant 3A
Bluetooth BDR/LE	Maximum	**13.75**
	Nominal	**12.25**
Bluetooth EDR	Maximum	**13.00**
	Nominal	**11.50**
Bluetooth HDR	Maximum	**11.00**
	Nominal	**9.50**

Note: In MIMO operations, each antenna transmits at maximum allowed powers at indicated above.

Mode / Band		Modulated Average - Single Tx Chain (dBm) - Ant 1A
Bluetooth BDR/LE	Maximum	**13.75**
	Nominal	**12.25**
Bluetooth EDR	Maximum	**13.00**
	Nominal	**11.50**
Bluetooth HDR	Maximum	**11.00**
	Nominal	**9.50**

Mode / Band		Modulated Average - MIMO (dBm) - Ant 1A
Bluetooth BDR/LE	Maximum	**13.75**
	Nominal	**12.25**
Bluetooth EDR	Maximum	**13.00**
	Nominal	**11.50**
Bluetooth HDR	Maximum	**11.00**
	Nominal	**9.50**

Note: In MIMO operations, each antenna transmits at maximum allowed powers at indicated above.

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1.3.4 Bluetooth Reduced Output Power

Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 3A/3B active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode / Band		Modulated Average - Single Tx Chain (dBm) - Ant 3A
Bluetooth BDR/LE Reduced	Maximum	**6.75**
	Nominal	**5.25**
Bluetooth EDR Reduced	Maximum	**6.75**
	Nominal	**5.25**
Bluetooth HDR Reduced	Maximum	**6.75**
	Nominal	**5.25**

Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 3A/3B active
-Simultaneous conditions with LTE Inter-band ULCA active

Mode / Band		Modulated Average - MIMO (dBm) - Ant 3A
Bluetooth BDR/LE Reduced	Maximum	**6.75**
	Nominal	**5.25**
Bluetooth EDR Reduced	Maximum	**6.75**
	Nominal	**5.25**
Bluetooth HDR Reduced	Maximum	**6.75**
	Nominal	**5.25**

Note: In MIMO operations, each antenna transmits at maximum allowed powers at indicated above.

Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 1A active
-Simultaneous conditions with Licensed Bands Antenna 1A active and/or 5GHz WLAN
-Simultaneous conditions with LTE Inter-band ULCA active
-Simultaneous conditions with LTE Inter-band ULCA active and 5GHz WLAN

Mode / Band		Modulated Average - Single Tx Chain (dBm) - Ant 1A
Bluetooth BDR/LE Reduced	Maximum	**6.75**
	Nominal	**5.25**
Bluetooth EDR Reduced	Maximum	**6.75**
	Nominal	**5.25**
Bluetooth HDR Reduced	Maximum	**6.75**
	Nominal	**5.25**

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Below table is applicable in the following conditions:
-Simultaneous conditions with Licensed Bands Antenna 1A active
-Simultaneous conditions with Licensed Bands Antenna 1A active and/or 5GHz WLAN
-Simultaneous conditions with LTE Inter-band ULCA active
-Simultaneous conditions with LTE Inter-band ULCA active and 5GHz WLAN

Mode / Band		Modulated Average - MIMO (dBm) - Ant 1A
Bluetooth BDR/LE Reduced	Maximum	**6.75**
	Nominal	**5.25**
Bluetooth EDR Reduced	Maximum	**6.75**
	Nominal	**5.25**
Bluetooth HDR Reduced	Maximum	**6.75**
	Nominal	**5.25**

Note: In MIMO operations, each antenna transmits at maximum allowed powers at indicated above.

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1.4 DUT Antenna Locations

The overall diagonal dimension of the device is > 200 mm. A diagram showing the location of the device antennas can be found in Appendix F. Exact antenna dimensions and separation distances are shown in the Technical Descriptions in the FCC filings.

Table 1-7
Device Edges/Sides for SAR Testing

Device Sides/Edges for SAR Testing						
Mode	Back	Front	Top	Bottom	Right	Left
GPRS 850 Ant 4	Yes	No	Yes	No	No	Yes
GPRS 1900 Ant 4	Yes	No	Yes	No	No	Yes
UMTS 850 Ant 4	Yes	No	Yes	No	No	Yes
UMTS 1750 Ant 4	Yes	No	Yes	No	No	Yes
UMTS 1900 Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 12 Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 13 Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 26 (Cell) Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 5 (Cell) Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 4 (AWS) Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 66 (AWS) Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 2 (PCS) Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 25 (PCS) Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 30 Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 7 Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 41 Ant 4	Yes	No	Yes	No	No	Yes
LTE Band 48 Ant 4	Yes	No	Yes	No	No	Yes
GPRS 850 Ant 3B	Yes	No	Yes	No	Yes	No
UMTS 850 Ant 3B	Yes	No	Yes	No	Yes	No
LTE Band 12 Ant 3B	Yes	No	Yes	No	Yes	No
LTE Band 13 Ant 3B	Yes	No	Yes	No	Yes	No
LTE Band 26 (Cell) Ant 3B	Yes	No	Yes	No	Yes	No
LTE Band 5 (Cell) Ant 3B	Yes	No	Yes	No	Yes	No
LTE Band 48 Ant 3B	Yes	No	Yes	No	Yes	No
GPRS 1900 Ant 2A	Yes	No	No	Yes	Yes	No
UMTS 1750 Ant 2A	Yes	No	No	Yes	Yes	No
UMTS 1900 Ant 2A	Yes	No	No	Yes	Yes	No
LTE Band 4 (AWS) Ant 2A	Yes	No	No	Yes	Yes	No
LTE Band 66 (AWS) Ant 2A	Yes	No	No	Yes	Yes	No
LTE Band 2 (PCS) Ant 2A	Yes	No	No	Yes	Yes	No
LTE Band 25 (PCS) Ant 2A	Yes	No	No	Yes	Yes	No
LTE Band 30 Ant 2A	Yes	No	No	Yes	Yes	No
LTE Band 7 Ant 2A	Yes	No	No	Yes	Yes	No
LTE Band 41 Ant 2A	Yes	No	No	Yes	Yes	No
GPRS 1900 Ant 1A	Yes	No	No	Yes	No	Yes
UMTS 1750 Ant 1A	Yes	No	No	Yes	No	Yes
UMTS 1900 Ant 1A	Yes	No	No	Yes	No	Yes
LTE Band 4 (AWS) Ant 1A	Yes	No	No	Yes	No	Yes
LTE Band 66 (AWS) Ant 1A	Yes	No	No	Yes	No	Yes
LTE Band 2 (PCS) Ant 1A	Yes	No	No	Yes	No	Yes
LTE Band 25 (PCS) Ant 1A	Yes	No	No	Yes	No	Yes
LTE Band 30 Ant 1A	Yes	No	No	Yes	No	Yes
LTE Band 7 Ant 1A	Yes	No	No	Yes	No	Yes
LTE Band 41 Ant 1A	Yes	No	No	Yes	No	Yes
GPRS 1900 Ant 3A	Yes	No	Yes	No	Yes	No
UMTS 1750 Ant 3A	Yes	No	Yes	No	Yes	No
UMTS 1900 Ant 3A	Yes	No	Yes	No	Yes	No
LTE Band 4 (AWS) Ant 3A	Yes	No	Yes	No	Yes	No
LTE Band 66 (AWS) Ant 3A	Yes	No	Yes	No	Yes	No
LTE Band 2 (PCS) Ant 3A	Yes	No	Yes	No	Yes	No
LTE Band 25 (PCS) Ant 3A	Yes	No	Yes	No	Yes	No
LTE Band 30 Ant 3A	Yes	No	Yes	No	Yes	No
LTE Band 7 Ant 3A	Yes	No	Yes	No	Yes	No
LTE Band 41 Ant 3A	Yes	No	Yes	No	Yes	No
2.4 GHz WLAN Ant 3A	Yes	No	Yes	No	Yes	No
2.4 GHz WLAN Ant 1A	Yes	No	No	Yes	No	Yes
5GHZ WLAN Ant 2B	Yes	No	No	Yes	Yes	No
5GHz WLAN Ant 2A	Yes	No	No	Yes	Yes	No
5GHz WLAN Ant 1B	Yes	No	No	Yes	No	Yes
Bluetooth Ant 3A	Yes	No	Yes	No	Yes	No
Bluetooth Ant 1A	Yes	No	No	Yes	No	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 D01V06. Additional edges may have been evaluated for simultaneous transmission analysis.

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1.5 Simultaneous Transmission Capabilities

According to FCC KDB Publication 447498 D01v06, 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 D01v06 4.3.2 procedures.

Table 1-8
Simultaneous Transmission Scenarios

No.	Capable Transmit Configuration	Body
1	Cellular Band + 2.4 GHz WI-FI	Yes
2	Cellular Band + 5 GHz WI-FI	Yes
3	Cellular Band + 2.4 GHz Bluetooth	Yes
4	Cellular Band + 2.4 GHz WI-FI MIMO	Yes
5	Cellular Band + 5 GHz WI-FI MIMO	Yes
6	Cellular Band + 2.4 GHz Bluetooth MIMO (TxBF)	Yes
7	Cellular Band + 2.4 GHz Bluetooth + 5 GHz WI-FI	Yes
8	Cellular Band + 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz WI-FI	Yes
9	Cellular Band + 2.4 GHz Bluetooth + 5 GHz WI-FI MIMO	Yes
10	Cellular Band + 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz WI-FI MIMO	Yes
11	2.4 GHz Bluetooth + 5 GHZ WI-FI	Yes
12	2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz WI-FI	Yes
13	2.4 GHz Bluetooth + 5 GHZ WI-FI MIMO	Yes
14	2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz WI-FI MIMO	Yes

Table 1-9
Simultaneous Transmission Scenarios of Inter-band ULCA

No.	Capable Transmit Configuration	Body	Notes
1	Cellular Ant 4 + Cellular Ant 3B	Yes	LTE Bands transmitting from Ant 4: LTE B2/4/7/30/66 LTE Bands transmitting from Ant 3B: LTE B5/12/13
2	Cellular Ant 4 + Cellular Ant 2A	Yes	LTE Bands transmitting from Ant 4: LTE B5/12/13 LTE Bands transmitting from Ant 2A: LTE B2/4/7/30/66
3	Cellular Ant 4 + Cellular Ant 1A	Yes	LTE Bands transmitting from Ant 4: LTE B5/12/13 LTE Bands transmitting from Ant 1A: LTE B2/4/7/30/66
4	Cellular Ant 4 + Cellular Ant 3A	Yes	LTE Bands transmitting from Ant 4: LTE B5/12/13 LTE Bands transmitting from Ant 3A: LTE B2/4/7/30/66
5	Cellular Ant 3b + Cellular Ant 1A	Yes	LTE Bands transmitting from Ant 3B: LTE B5/12/13 LTE Bands transmitting from Ant 1A: LTE B2/4/7/30/66
6	Cellular Ant 3b + Cellular Ant 3A	Yes	LTE Bands transmitting from Ant 3B: LTE B5/12/13 LTE Bands transmitting from Ant 3A: LTE B2/4/7/30/66

Note: The technical description includes all the possible Inter-band ULCA combinations.

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Table 1-10
Simultaneous Transmission Scenarios with Inter-band ULCA Active

No.	Capable Transmit Configuration	Body
1	LTE Inter-Band ULCA + 2.4 GHz WI-FI	Yes
2	LTE Inter-Band ULCA + 5 GHz WI-FI	Yes
3	LTE Inter-Band ULCA + 2.4 GHz Bluetooth	Yes
4	LTE Inter-Band ULCA+ 2.4 GHz WI-FI MIMO	Yes
5	LTE Inter-Band ULCA + 5 GHz WI-FI MIMO	Yes
6	LTE Inter-Band ULCA + 2.4 GHz Bluetooth MIMO (TxBF)	Yes
7	LTE Inter-Band ULCA + 2.4 GHz Bluetooth + 5 GHz WI-FI	Yes
8	LTE Inter-Band ULCA + 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz WI-FI	Yes
9	LTE Inter-Band ULCA + 2.4 GHz Bluetooth + 5 GHz WI-FI MIMO	Yes
10	LTE Inter-Band ULCA + 2.4 GHz Bluetooth MIMO (TxBF) + 5 GHz WI-FI MIMO	Yes

Note: LTE inter-band ULCA can operate in any of the combinations in Table 1-9.

1. There are no limitations in the above listed simultaneous transmission scenarios between cellular antennas and BT/WI-FI antennas.
2. 2.4 GHz WLAN and 2.4 GHz Bluetooth share the same antenna path and cannot transmit simultaneously.
3. 5 GHz WLAN Ant 1B and Ant 2A cannot transmit simultaneously.
4. This device supports 2x2 MIMO Tx for WLAN 802.11a/g/n/ac/ax. 802.11a/g/n/ac/ax supports CDD and STBC and 802.11n/ac/ax additionally supports SDM. Each WLAN antenna can transmit independently or together when operating with MIMO.
5. While 5 GHz MIMO is active, 5 GHz Ant 2B and Ant 2A, or 5 GHz Ant 2B and Ant 1B can be transmitting together.
6. This device supports VOWIFI.

1.6 Miscellaneous SAR Test Considerations

(A) WIFI/BT

Based on the maximum allowed power for the respective antennas, U-NII-1 was evaluated for Antenna 6 SAR, and U-NII-2A was evaluated for Antenna 5 SAR. Additional testing for U-NII-2A Antenna 6 SAR, or UNII-1 Antenna 5 SAR was not required since all reported SAR was less than 1.2 W/kg per FCC KDB Publication 248227 D01v02r02.

The WLAN/Bluetooth chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with the identical mechanical structure to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report. WLAN/Bluetooth SAR worst case configuration was spotchecked on Varaint 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining WLAN/Bluetooth configurations.

This device supports channel 1-13 for 2.4 GHz WLAN. However, because channel 12/13 targets are not higher than that of channels 1-11, channels 1, 6, and 11 were considered for SAR testing per FCC KDB 248227 D01V02r02

This device supports IEEE 802.11ac with the following features:
a) Up to 80 MHz Bandwidth only
b) No aggregate channel configurations
c) 1 2 Tx antenna output
d) 256 QAM is supported
e) TDWR and Band gap channels are supported

This device supports IEEE 802.11ax with the following features:

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a) Up to 80 MHz Bandwidth only for 5 GHz
b) Up to 20 MHz Bandwidth only for 2.4 GHz
c) No aggregate channel configurations
d) 2 Tx antenna output
e) Up to 1024 QAM is supported
f) TDWR and Band gap channels are supported for 5 GHz
g) MU-MIMO UL Operations are not supported

Per April 2019 TCB Workshop Notes, SAR testing was not required for 802.11ax when applying the initial test configuration procedures of KDB 248227, with 802.11ax considered a higher order 802.11 mode.

(B) Licensed Transmitter(s)

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. The downlink carrier aggregation exclusion analysis can be found in Appendix F.

This device supports LTE Carrier Aggregation (CA) for LTE Band 41, LTE Band 5, and LTE Band 7 with two component carriers in the uplink. SAR Measurements and conducted powers were evaluated per 2017 Fall TCB Workshop Notes.

This device supports inter-band LTE Carrier Aggregation (CA) for LTE Bands 2/4/5/7/12/13/30/66 with two component carriers in the uplink. Additional SAR Measurements were performed for some positions at the maximum allowed output power in inter-band ULCA mode. All single uplink 1g SAR values for each band were < 0.8 W/kg and the algebraic summation of the 1g SAR inter-band ULCA values were < 1.45. Per Fall 2018 TCB Workshop notes, no additional measurements were required.

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 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 64QAM on the uplink and 256QAM on the downlink for LTE Operations. Conducted powers for 64QAM uplink configurations were measured per Section 5.1 of FCC KDB Publication 941225 D05v02r05. SAR was not required for 64QAM since the highest maximum output power for 64 QAM is $\leq \frac{1}{2}$ dB higher than the same configuration in QPSK and the reported SAR for the QPSK configuration is $\leq$ 1.45 W/kg, per Section 5.2.4 of FCC KDB Publication 941225 D05v02r05.

This device supports both Power Class 2 (PC2) and Power Class 3 (PC3) for LTE Band 41. Per May 2017 TCB Workshop Notes, SAR tests were performed with Power Class 3 (given the specific UL/DL limitations for

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Power Class 2). Additionally, SAR testing for the power class condition was evaluated for the highest configuration in Power Class 3 for each test configuration to confirm the results were scalable linearly (See Section 13.1).

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

1.7 Guidance Applied

- FCC KDB Publication 941225 D01v03r01, D05v02r04, D05Av01r02 (2G/3G/4G)
- FCC KDB Publication 248227 D01v02r02 (SAR Considerations for 802.11 Devices)
- FCC KDB Publication 447498 D01v06 (General SAR Guidance)
- FCC KDB Publication 865664 D01v01r04, D02v01r02 (SAR Measurements up to 6 GHz)
- FCC KDB Publication 616217 D04v01r02 (Tablet)
- October 2013 TCB Workshop Notes (GPRS Testing Considerations)
- May 2017 TCB Workshop Notes (LTE 4x4 Downlink MIMO, LTE Band 41 Power Class 2/3)
- April 2018 TCB Workshop Notes (LTE Carrier Aggregation)
- April 2019 TCB Workshop Notes (IEEE 802.11ax)
- October 2018 TCB Workshop Notes (Inter-band Uplink Carrier Aggregation)

1.8 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 10.

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2 LTE INFORMATION

LTE Information					
Form Factor	Tablet Device				
Frequency Range of each LTE transmission band	LTE Band 12 (699.7 - 715.3 MHz)				
	LTE Band 17 (706.5 - 713.5 MHz)				
	LTE Band 13 (779.5 - 784.5 MHz)				
	LTE Band 26 (Cell) (814.7 - 848.3 MHz)				
	LTE Band 5 (Cell) (824.7 - 848.3 MHz)				
	LTE Band 4 (AWS) (1710.7 - 1754.3 MHz)				
	LTE Band 66 (AWS) (1710.7 - 1779.3 MHz)				
	LTE Band 2 (PCS) (1850.7 - 1909.3 MHz)				
	LTE Band 25 (PCS) (1850.7 - 1914.3 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 48 (3552.5 - 3697.5 MHz)				
Channel Bandwidths	LTE Band 12: 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 17: 5 MHz, 10 MHz				
	LTE Band 13: 5 MHz, 10 MHz				
	LTE Band 26 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 5 (Cell): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz				
	LTE Band 4 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 66 (AWS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 2 (PCS): 1.4 MHz, 3 MHz, 5 MHz, 10 MHz, 15 MHz, 20 MHz				
	LTE Band 25 (PCS): 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 48: 5 MHz, 10 MHz, 15 MHz, 20 MHz				
Channel Numbers and Frequencies (MHz)	Low	Low-Mid	Mid	Mid-High	High
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 17: 5 MHz	706.5 (23755)		710 (23790)	713.5 (23825)	
LTE Band 17: 10 MHz	709 (23780)		710 (23790)	711 (23800)	
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 26 (Cell): 1.4 MHz	814.7 (26697)		831.5 (26865)	848.3 (27033)	
LTE Band 26 (Cell): 3 MHz	815.5 (26705)		831.5 (26865)	847.5 (27025)	
LTE Band 26 (Cell): 5 MHz	816.5 (26715)		831.5 (26865)	846.5 (27015)	
LTE Band 26 (Cell): 10 MHz	819 (26740)		831.5 (26865)	844 (26990)	
LTE Band 5 (Cell): 1.4 MHz	824.7 (20407)		836.5 (20525)	848.3 (20643)	
LTE Band 5 (Cell): 3 MHz	825.5 (20415)		836.5 (20525)	847.5 (20635)	
LTE Band 5 (Cell): 5 MHz	826.5 (20425)		836.5 (20525)	846.5 (20625)	
LTE Band 5 (Cell): 10 MHz	829 (20450)		836.5 (20525)	844 (20600)	
LTE Band 4 (AWS): 1.4 MHz	1710.7 (19957)		1732.5 (20175)	1754.3 (20393)	
LTE Band 4 (AWS): 3 MHz	1711.5 (19965)		1732.5 (20175)	1753.5 (20385)	
LTE Band 4 (AWS): 5 MHz	1712.5 (19975)		1732.5 (20175)	1752.5 (20375)	
LTE Band 4 (AWS): 10 MHz	1715 (20000)		1732.5 (20175)	1750 (20350)	
LTE Band 4 (AWS): 15 MHz	1717.5 (20025)		1732.5 (20175)	1747.5 (20325)	
LTE Band 4 (AWS): 20 MHz	1720 (20050)		1732.5 (20175)	1745 (20300)	
LTE Band 66 (AWS): 1.4 MHz	1710.7 (131979)		1745 (132322)	1779.3 (132665)	
LTE Band 66 (AWS): 3 MHz	1711.5 (131987)		1745 (132322)	1778.5 (132657)	
LTE Band 66 (AWS): 5 MHz	1712.5 (131997)		1745 (132322)	1777.5 (132647)	
LTE Band 66 (AWS): 10 MHz	1715 (132022)		1745 (132322)	1775 (132622)	
LTE Band 66 (AWS): 15 MHz	1717.5 (132047)		1745 (132322)	1772.5 (132597)	
LTE Band 66 (AWS): 20 MHz	1720 (132072)		1745 (132322)	1770 (132572)	
LTE Band 2 (PCS): 1.4 MHz	1850.7 (18607)		1880 (18900)	1909.3 (19193)	
LTE Band 2 (PCS): 3 MHz	1851.5 (18615)		1880 (18900)	1908.5 (19185)	
LTE Band 2 (PCS): 5 MHz	1852.5 (18625)		1880 (18900)	1907.5 (19175)	
LTE Band 2 (PCS): 10 MHz	1855 (18650)		1880 (18900)	1905 (19150)	
LTE Band 2 (PCS): 15 MHz	1857.5 (18675)		1880 (18900)	1902.5 (19125)	
LTE Band 2 (PCS): 20 MHz	1860 (18700)		1880 (18900)	1900 (19100)	
LTE Band 25 (PCS): 1.4 MHz	1850.7 (26047)		1882.5 (26365)	1914.3 (26683)	
LTE Band 25 (PCS): 3 MHz	1851.5 (26055)		1882.5 (26365)	1913.5 (26675)	
LTE Band 25 (PCS): 5 MHz	1852.5 (26065)		1882.5 (26365)	1912.5 (26665)	
LTE Band 25 (PCS): 10 MHz	1855 (26090)		1882.5 (26365)	1910 (26640)	
LTE Band 25 (PCS): 15 MHz	1857.5 (26115)		1882.5 (26365)	1907.5 (26615)	
LTE Band 25 (PCS): 20 MHz	1860 (26140)		1882.5 (26365)	1905 (26590)	
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 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	DL UE Cat 19 (QPSK, 16QAM, 64QAM) UL UE Cat 13 (QPSK, 16QAM 64QAM)				
Modulations Supported in UL	QPSK, 16QAM, 64QAM				
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 13. It supports carrier aggregation, LAA and downlink MIMO features as shown in Section 8 and Appendix F. All uplink communications are identical to the Release 8 Specifications. Uplink communications are done on the PCC. The following LTE Release 13 Features are not supported: Relay, HetNet, Enhanced MIMO, eICIC, eMBMS, Cross-Carrier Scheduling, Enhanced SC-FDMA.				

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3 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.

3.1 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 3-1).

Equation 3-1
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]

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4 DOSIMETRIC ASSESSMENT

4.1 Measurement Procedure

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

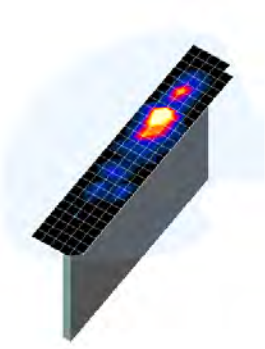


Figure 4-1
Sample SAR Area Scan

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 4-1) 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 4-1) 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 4-1. 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 4-1
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

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5 TEST CONFIGURATION POSITIONS

5.1 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.

5.2 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 D01v06 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.

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6 RF EXPOSURE LIMITS

6.1 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.

6.2 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 6-1
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.

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7 FCC MEASUREMENT PROCEDURES

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

7.1 Measured and Reported SAR

Per FCC KDB Publication 447498 D01v06, 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.

7.2 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.

7.3 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.

7.4 SAR Measurement Conditions for UMTS

7.4.1 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.

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7.4.2 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.

7.4.3 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.

7.4.4 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.

7.4.5 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.

7.5 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).

7.5.1 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.

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7.5.2 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.

7.5.3 A-MPR

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

7.5.4 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.

According to FCC KDB 447498 D01v06, when the reported (scaled) SAR for LTE Band 41 is ≤ 0.6 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 the highest output power for that channel.

7.5.5 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.

7.5.6 Downlink Only Carrier Aggregation

Conducted power measurements with LTE Carrier Aggregation (CA) (downlink only) active are made in accordance to KDB Publication 941225 D05Av01r02. The RRC connection is only handled by one cell, the primary component carrier (PCC) for downlink and uplink communications. After making a data connection to the PCC, the UE device adds secondary component carrier(s) (SCC) on the downlink only. All uplink communications and acknowledgements remain identical to specifications when downlink carrier aggregation is inactive on the PCC. Additional conducted output powers are measured with the

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downlink carrier aggregation active for the configuration with highest measured maximum conducted power with downlink carrier aggregation inactive measured among the channel bandwidth, modulation, and RB combinations in each frequency band. Per FCC KDB Publication 941225 D05Av01r02, no SAR measurements are required for downlink only carrier aggregation configurations when the average output power with downlink only carrier aggregation active is not more than 0.25 dB higher than the average output power with downlink only carrier aggregation inactive.

7.6 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.

7.6.1 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.

7.6.2 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.

7.6.3 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.

7.6.4 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:

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.

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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.

7.6.5 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 guidance, 802.11ax 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.

7.6.6 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 7.6.5).

7.6.7 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.

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7.6.8 MIMO SAR considerations

Per KDB Publication 248227 D01v02r02, the simultaneous SAR provisions in KDB Publication 447498 D01v06 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.

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8 RF CONDUCTED POWERS

8.1 GSM Conducted Powers

Table 8-1
Conducted Power Ant 4

Maximum Burst-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 850	128	31.02	**28.03**	27.16	26.38
	190	30.92	**28.05**	27.09	26.33
	251	30.90	**27.90**	27.02	26.25
GSM 1900	512	25.76	**22.81**	25.88	22.90
	661	25.70	**22.79**	25.85	22.89
	810	25.52	**22.74**	25.81	22.85

Calculated Maximum Frame-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 850	128	21.82	**21.84**	17.96	20.19
	190	21.72	**21.86**	17.89	20.14
	251	21.70	**21.71**	17.82	20.06
GSM 1900	512	16.56	**16.62**	16.68	16.71
	661	16.50	**16.60**	16.65	16.70
	810	16.32	**16.55**	16.61	16.66

GSM 850	**Frame Avg.Targets:**	21.25	**21.26**	17.55	19.56
GSM 1900		16.05	**16.06**	16.05	16.06

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Table 8-2
Conducted Power Ant 3B

Maximum Burst-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 850	128	27.64	**24.66**	25.93	24.72
	190	27.55	**24.56**	25.82	24.62
	251	27.52	**24.66**	25.81	24.60

Calculated Maximum Frame-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 850	128	18.44	**18.47**	16.73	18.53
	190	18.35	**18.37**	16.62	18.43
	251	18.32	**18.47**	16.61	18.41

GSM 850	**Frame Avg.Targets:**	17.85	**17.86**	16.05	17.86

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Table 8-3
Conducted Power Ant 2A

Maximum Burst-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 1900	512	23.74	**21.11**	22.93	21.17
	661	23.73	**21.00**	22.83	21.06
	810	23.74	**20.99**	22.83	21.02

Calculated Maximum Frame-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 1900	512	14.54	**14.92**	13.73	14.98
	661	14.53	**14.81**	13.63	14.87
	810	14.54	**14.80**	13.63	14.83

GSM 1900	**Frame Avg.Targets:**	15.00	**15.01**	13.80	15.01

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Table 8-4
Conducted Power Ant 1A

Maximum Burst-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 1900	512	24.95	**21.83**	23.99	21.98
	661	24.79	**21.62**	23.87	21.85
	810	24.86	**21.75**	23.98	21.94

Calculated Maximum Frame-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 1900	512	15.75	**15.64**	14.79	15.79
	661	15.59	**15.43**	14.67	15.66
	810	15.66	**15.56**	14.78	15.75
GSM 1900	**Frame Avg.Targets:**	15.05	**15.06**	14.05	15.06

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Table 8-5
Conducted Power Ant 3A

Maximum Burst-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 1900	512	23.35	**20.11**	23.32	20.28
	661	23.37	**20.14**	23.34	20.31
	810	23.38	**20.34**	23.36	20.33

Calculated Maximum Frame-Averaged Output Power					
		GPRS/EDGE Data (GMSK)		*EDGE Data (8-PSK)*	
Band	**Channel**	**GPRS [dBm] 1 Tx Slot**	**GPRS [dBm] 2 Tx Slot**	**EDGE [dBm] 1 Tx Slot**	**EDGE [dBm] 2 Tx Slot**
GSM 1900	512	14.15	**13.92**	14.12	14.09
	661	14.17	**13.95**	14.14	14.12
	810	14.18	**14.15**	14.16	14.14

GSM 1900	**Frame Avg.Targets:**	13.45	**13.46**	13.45	13.46

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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.
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: C
GPRS Multislot class: 10 (Max 2 Tx uplink slots)
EDGE Multislot class: 10 (Max 2 Tx uplink slots)
DTM Multislot Class: N/A



Figure 8-1
Power Measurement Setup

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8.2 UMTS Conducted Powers

Table 8-6
Conducted Power Ant 4

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			AWS Band [dBm]			PCS Band [dBm]			MPR [dB]
			4132	4183	4233	1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	21.10	21.10	21.10	15.46	15.30	15.47	16.23	16.30	16.29	-
6	HSDPA	Subtest 1	21.10	21.10	21.10	15.42	15.16	15.00	16.12	16.15	16.21	0
6		Subtest 2	21.10	21.01	21.07	15.43	15.15	14.96	16.18	16.21	16.22	0
6		Subtest 3	21.10	20.98	21.06	15.42	15.31	14.95	16.14	16.21	16.13	0
6		Subtest 4	21.10	21.00	21.04	15.42	15.28	14.95	16.12	16.17	16.14	0
6	HSUPA	Subtest 1	21.10	21.05	21.10	15.39	15.29	15.02	16.15	16.12	16.14	0
6		Subtest 2	21.10	21.02	21.05	15.41	15.30	15.07	16.15	16.21	16.16	0
6		Subtest 3	21.09	21.01	21.05	15.47	15.28	15.18	16.21	16.16	16.17	0
6		Subtest 4	21.10	21.02	21.01	15.45	15.27	15.10	16.11	15.88	15.85	0
6		Subtest 5	21.10	21.07	21.10	15.48	15.33	15.19	16.00	16.07	16.11	0
8	DC-HSDPA	Subtest 1	21.10	21.04	21.10	15.48	15.38	15.26	16.02	16.08	16.10	0
8		Subtest 2	21.10	21.03	21.10	15.47	15.35	15.20	16.00	16.12	16.20	0
8		Subtest 3	21.08	20.95	20.99	15.49	15.37	15.17	16.16	16.04	16.16	0
8		Subtest 4	21.07	20.93	21.00	15.48	15.36	15.16	16.09	16.16	16.07	0

Table 8-7
Conducted Power Ant 3B

3GPP Release Version	Mode	3GPP 34.121 Subtest	Cellular Band [dBm]			MPR [dB]
			4132	4183	4233	
99	WCDMA	12.2 kbps RMC	18.03	17.93	18.07	-
6	HSDPA	Subtest 1	18.01	17.74	18.00	0
6		Subtest 2	17.88	17.69	17.95	0
6		Subtest 3	17.87	17.65	17.92	0
6		Subtest 4	17.83	17.63	17.90	0
6	HSUPA	Subtest 1	17.88	17.70	17.92	0
6		Subtest 2	17.83	17.65	17.88	0
6		Subtest 3	17.84	17.66	17.89	0
6		Subtest 4	17.81	17.63	17.88	0
6		Subtest 5	17.96	17.70	17.96	0
8	DC-HSDPA	Subtest 1	17.95	17.73	18.00	0
8		Subtest 2	17.90	17.72	17.99	0
8		Subtest 3	17.91	17.71	17.97	0
8		Subtest 4	17.89	17.67	17.95	0

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Table 8-8
Conducted Power Ant 2A

3GPP Release Version	Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			MPR [dB]
			1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	14.64	14.75	14.40	14.69	14.52	14.70	-
6	HSDPA	Subtest 1	14.76	14.81	14.63	14.79	14.73	14.59	0
6		Subtest 2	14.73	14.78	14.58	14.75	14.72	14.57	0
6		Subtest 3	14.74	14.79	14.59	14.75	14.71	14.54	0
6		Subtest 4	14.73	14.77	14.58	14.76	14.70	14.55	0
6	HSUPA	Subtest 1	14.79	14.55	14.45	14.61	14.53	14.40	0
6		Subtest 2	14.71	14.73	14.54	14.80	14.78	14.58	0
6		Subtest 3	14.64	14.63	14.47	14.67	14.61	14.40	0
6		Subtest 4	14.71	14.72	14.55	14.55	14.75	14.52	0
6		Subtest 5	14.74	14.76	14.59	14.77	14.70	14.53	0
8	DC-HSDPA	Subtest 1	14.74	14.79	14.63	14.79	14.74	14.55	0
8		Subtest 2	14.75	14.76	14.61	14.76	14.75	14.54	0
8		Subtest 3	14.75	14.78	14.62	14.75	14.74	14.54	0
8		Subtest 4	14.73	14.76	14.59	14.76	14.75	14.53	0

Table 8-9
Conducted Power Ant 1A

Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			MPR [dB]
		1312	1412	1513	9262	9400	9538	
WCDMA	12.2 kbps RMC	14.56	14.59	14.37	14.66	14.58	14.80	-
HSDPA	Subtest 1	14.90	15.10	14.85	14.59	14.57	14.78	0
	Subtest 2	14.88	15.07	14.82	14.66	14.60	14.76	0
	Subtest 3	14.89	15.07	14.81	14.61	14.50	14.80	0
	Subtest 4	14.87	15.06	14.81	14.54	14.51	14.73	0
HSUPA	Subtest 1	14.89	15.08	14.74	14.79	14.69	14.80	0
	Subtest 2	14.87	15.07	14.67	14.73	14.73	14.80	0
	Subtest 3	14.86	15.09	14.71	14.70	14.72	14.80	0
	Subtest 4	14.89	15.06	14.70	14.76	14.74	14.80	0
	Subtest 5	14.92	15.08	14.76	14.73	14.72	14.79	0
DC-HSDPA	Subtest 1	14.93	15.10	14.90	14.58	14.52	14.60	0
	Subtest 2	14.92	15.07	14.89	14.60	14.66	14.62	0
	Subtest 3	14.92	15.08	14.89	14.60	14.49	14.79	0
	Subtest 4	14.91	15.06	14.87	14.61	14.59	14.79	0

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Table 8-10
Conducted Power Ant 3A

3GPP Release Version	Mode	3GPP 34.121 Subtest	AWS Band [dBm]			PCS Band [dBm]			MPR [dB]
			1312	1412	1513	9262	9400	9538	
99	WCDMA	12.2 kbps RMC	13.83	14.00	13.56	14.15	14.03	14.12	-
6	HSDPA	Subtest 1	13.75	13.88	13.69	13.97	13.92	14.00	0
6		Subtest 2	13.70	13.84	13.70	13.99	13.94	14.00	0
6		Subtest 3	13.64	13.78	13.73	14.00	13.95	14.00	0
6		Subtest 4	13.74	13.77	13.74	13.96	13.99	14.00	0
6	HSUPA	Subtest 1	13.60	13.69	13.63	14.00	13.89	14.00	0
6		Subtest 2	13.57	13.67	13.60	14.00	13.94	13.98	0
6		Subtest 3	13.51	13.67	13.56	14.00	13.89	13.98	0
6		Subtest 4	13.65	13.71	13.60	14.00	13.70	13.74	0
6		Subtest 5	13.72	13.78	13.66	14.00	13.91	14.00	0
8	DC-HSDPA	Subtest 1	13.66	13.74	13.59	13.97	13.85	13.92	0
8		Subtest 2	13.57	13.69	13.65	14.00	13.92	14.00	0
8		Subtest 3	13.62	13.70	13.62	14.00	13.93	13.90	0
8		Subtest 4	13.64	13.70	13.67	13.98	13.94	13.81	0

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



Figure 8-2
Power Measurement Setup

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8.3 LTE Conducted Powers

8.3.1 LTE Band 12

Table 8-11
LTE Band 12 Conducted Powers Ant 4 - 10 MHz Bandwidth

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	**20.90**	0	0
	1	25	20.63		0
	1	49	20.71		0
	25	0	20.64	0-1	0
	25	12	20.60		0
	25	25	**20.71**		0
	50	0	20.68		0
16QAM	1	0	20.90	0-1	0
	1	25	20.69		0
	1	49	20.82		0
	25	0	20.19	0-2	0
	25	12	20.13		0
	25	25	20.25		0
	50	0	20.18		0
64QAM	1	0	20.89	0-2	0
	1	25	20.75		0
	1	49	20.71		0
	25	0	20.17	0-3	0
	25	12	20.12		0
	25	25	20.19		0
	50	0	20.19		0

Note: LTE Band 12 at 10 MHz bandwidth does 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.

Table 8-12
LTE Band 12 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23035 (701.5 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23155 (713.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.65	20.65	20.66	0	0
	1	12	20.75	20.55	20.47		0
	1	24	20.68	20.48	20.59		0
	12	0	20.58	20.43	20.39	0-1	0
	12	6	20.65	20.36	20.55		0
	12	13	20.68	20.24	20.67		0
	25	0	20.68	20.39	20.60		0
16QAM	1	0	20.81	20.79	20.46	0-1	0
	1	12	20.77	20.50	20.42		0
	1	24	20.83	20.61	20.82		0
	12	0	20.78	20.55	20.40	0-2	0
	12	6	20.86	20.57	20.55		0
	12	13	20.37	20.02	20.37		0
	25	0	20.40	20.07	20.27		0
64QAM	1	0	20.56	20.64	20.38	0-2	0
	1	12	20.84	20.40	20.66		0
	1	24	20.76	20.30	20.47		0
	12	0	20.36	20.10	20.22	0-3	0
	12	6	20.26	20.01	20.26		0
	12	13	20.35	20.11	20.32		0
	25	0	20.26	20.06	20.19		0

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Table 8-13
LTE Band 12 Conducted Powers Ant 4 - 3 MHz Bandwidth

LTE Band 12 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23025 (700.5 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23165 (714.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.85	20.90	20.73	0	0
	1	7	20.90	20.87	20.90		0
	1	14	20.90	20.73	20.86		0
	8	0	20.87	20.80	20.86	0-1	0
	8	4	20.90	20.70	20.90		0
	8	7	20.90	20.67	20.90		0
	15	0	20.90	20.76	20.90		0
16QAM	1	0	20.57	20.69	20.54	0-1	0
	1	7	20.79	20.49	20.80		0
	1	14	20.72	20.43	20.74		0
	8	0	20.24	20.14	20.26	0-2	0
	8	4	20.36	20.12	20.35		0
	8	7	20.36	19.96	20.33		0
	15	0	20.31	20.03	20.33		0
64QAM	1	0	20.69	20.48	20.64	0-2	0
	1	7	20.56	20.47	20.76		0
	1	14	20.76	20.46	20.81		0
	8	0	20.20	20.14	20.34	0-3	0
	8	4	20.34	20.13	20.37		0
	8	7	20.33	20.12	20.40		0
	15	0	20.33	20.00	20.38		0

Table 8-14
LTE Band 12 Conducted Powers Ant 4 - 1.4 MHz Bandwidth

LTE Band 12 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23017 (699.7 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23173 (715.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.53	20.54	20.78	0	0
	1	2	20.52	20.50	20.86		0
	1	5	20.61	20.52	20.90		0
	3	0	20.54	20.43	20.67		0
	3	2	20.57	20.45	20.71		0
	3	3	20.56	20.43	20.71		0
	6	0	20.51	20.38	20.62	0-1	0
16QAM	1	0	20.88	20.80	20.90	0-1	0
	1	2	20.90	20.90	20.49		0
	1	5	20.90	20.80	20.90		0
	3	0	20.74	20.47	20.70		0
	3	2	20.68	20.53	20.77		0
	3	3	20.72	20.57	20.69		0
	6	0	20.55	20.36	20.57	0-2	0
64QAM	1	0	20.51	20.51	20.72	0-2	0
	1	2	20.74	20.43	20.68		0
	1	5	20.62	20.63	20.82		0
	3	0	20.43	20.32	20.70		0
	3	2	20.36	20.31	20.63		0
	3	3	20.36	20.31	20.65		0
	6	0	20.34	20.07	20.40	0-3	0

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Table 8-15
LTE Band 12 Conducted Powers Ant 4 - 10 MHz Bandwidth, Inter-band ULCA Active

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	**17.67**	0	0
	1	25	17.24		0
	1	49	17.34		0
	25	0	**17.26**	0-1	0
	25	12	17.12		0
	25	25	17.07		0
	50	0	17.13		0
16QAM	1	0	17.67	0-1	0
	1	25	17.18		0
	1	49	17.23		0
	25	0	17.12	0-2	0
	25	12	16.95		0
	25	25	16.91		0
	50	0	16.97		0
64QAM	1	0	17.77	0-2	0
	1	25	17.22		0
	1	49	17.52		0
	25	0	17.12	0-3	0
	25	12	16.96		0
	25	25	16.92		0
	50	0	16.95		0

Note: LTE Band 12 at 10 MHz bandwidth does 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.

Table 8-16
LTE Band 12 Conducted Powers Ant 4 - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23035 (701.5 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23155 (713.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.56	17.15	17.30	0	0
	1	12	17.59	17.00	17.51		0
	1	24	17.51	16.96	17.54		0
	12	0	17.41	17.06	17.10	0-1	0
	12	6	17.40	16.95	17.24		0
	12	13	17.41	16.90	17.33		0
	25	0	17.42	16.97	17.32		0
16QAM	1	0	17.67	17.34	17.57	0-1	0
	1	12	17.69	17.13	17.64		0
	1	24	17.74	17.32	17.68		0
	12	0	17.42	17.04	17.11	0-2	0
	12	6	17.40	16.91	17.25		0
	12	13	17.41	16.90	17.31		0
	25	0	17.39	16.91	17.34		0
64QAM	1	0	17.73	17.40	17.46	0-2	0
	1	12	17.90	17.24	17.65		0
	1	24	17.75	17.20	17.59		0
	12	0	17.41	17.03	17.08	0-3	0
	12	6	17.39	16.90	17.25		0
	12	13	17.40	16.91	17.30		0
	25	0	17.37	16.92	17.29		0

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Table 8-17
LTE Band 12 Conducted Powers Ant 4 - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 12 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23025 (700.5 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23165 (714.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.43	17.11	17.23	0	0
	1	7	17.54	17.03	17.39		0
	1	14	17.49	16.90	17.30		0
	8	0	17.32	17.06	17.31	0-1	0
	8	4	17.36	16.92	17.35		0
	8	7	17.39	16.91	17.32		0
	15	0	17.39	16.99	17.38		0
16QAM	1	0	17.70	17.30	17.41	0-1	0
	1	7	17.79	17.25	17.66		0
	1	14	17.83	17.02	17.59		0
	8	0	17.33	17.10	17.32	0-2	0
	8	4	17.37	17.00	17.33		0
	8	7	17.36	16.96	17.27		0
	15	0	17.39	16.95	17.31		0
64QAM	1	0	17.60	17.34	17.44	0-2	0
	1	7	17.61	17.45	17.59		0
	1	14	17.58	17.32	17.36		0
	8	0	17.23	17.07	17.31	0-3	0
	8	4	17.29	16.96	17.38		0
	8	7	17.27	16.97	17.31		0
	15	0	17.34	16.99	17.35		0

Table 8-18
LTE Band 12 Conducted Powers Ant 4 - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 12 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23017 (699.7 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23173 (715.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.47	17.06	17.55	0	0
	1	2	17.46	17.01	17.48		0
	1	5	17.52	17.02	17.51		0
	3	0	17.31	16.98	17.30		0
	3	2	17.32	16.99	17.32		0
	3	3	17.31	17.01	17.35		0
	6	0	17.27	16.90	17.22	0-1	0
16QAM	1	0	17.71	17.31	17.71	0-1	0
	1	2	17.78	17.29	17.51		0
	1	5	17.81	17.25	17.64		0
	3	0	17.43	17.07	17.42		0
	3	2	17.40	17.11	17.44		0
	3	3	17.46	17.05	17.45		0
	6	0	17.33	17.00	17.27	0-2	0
64QAM	1	0	17.51	17.43	17.59	0-2	0
	1	2	17.52	17.45	17.65		0
	1	5	17.76	17.25	17.79		0
	3	0	17.58	17.10	17.48		0
	3	2	17.54	17.07	17.45		0
	3	3	17.51	17.07	17.51		0
	6	0	17.25	16.92	17.21	0-3	0

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Table 8-19
LTE Band 12 Conducted Powers Ant 3B - 10 MHz Bandwidth

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	18.24	0	0
	1	25	18.09		0
	1	49	**18.34**		0
	25	0	18.18	0-1	0
	25	12	18.11		0
	25	25	**18.24**		0
	50	0	18.13		0
16QAM	1	0	18.20	0-1	0
	1	25	18.11		0
	1	49	18.27		0
	25	0	18.00	0-2	0
	25	12	17.92		0
	25	25	18.03		0
	50	0	17.91		0
64QAM	1	0	18.27	0-2	0
	1	25	18.20		0
	1	49	18.39		0
	25	0	17.96	0-3	0
	25	12	17.92		0
	25	25	18.00		0
	50	0	17.91		0

Note: LTE Band 12 at 10 MHz bandwidth does 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.

Table 8-20
LTE Band 12 Conducted Powers Ant 3B - 5 MHz Bandwidth

LTE Band 12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23035 (701.5 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23155 (713.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.52	18.19	18.60	0	0
	1	12	18.61	18.18	18.64		0
	1	24	18.48	18.32	18.65		0
	12	0	18.39	18.22	18.41	0-1	0
	12	6	18.48	18.21	18.39		0
	12	13	18.45	18.24	18.34		0
	25	0	18.50	18.23	18.44		0
16QAM	1	0	18.42	18.45	18.59	0-1	0
	1	12	18.55	18.50	18.57		0
	1	24	18.64	18.67	18.61		0
	12	0	18.13	17.99	18.20	0-2	0
	12	6	18.25	18.09	18.18		0
	12	13	18.16	18.07	18.15		0
	25	0	18.26	18.02	18.17		0
64QAM	1	0	18.46	18.30	18.66	0-2	0
	1	12	18.62	18.50	18.48		0
	1	24	18.23	18.37	18.46		0
	12	0	18.19	18.02	18.21	0-3	0
	12	6	18.26	17.96	18.14		0
	12	13	18.18	18.06	18.09		0
	25	0	18.18	18.03	18.19		0

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Table 8-21
LTE Band 12 Conducted Powers Ant 3B - 3 MHz Bandwidth

LTE Band 12 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23025 (700.5 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23165 (714.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.49	18.16	18.32	0	0
	1	7	18.57	18.19	18.27		0
	1	14	18.60	18.18	18.25		0
	8	0	18.41	18.13	18.43	0-1	0
	8	4	18.43	18.13	18.33		0
	8	7	18.47	18.13	18.40		0
	15	0	18.48	18.20	18.41		0
16QAM	1	0	18.66	18.27	18.65	0-1	0
	1	7	18.68	18.46	18.56		0
	1	14	18.52	18.32	18.73		0
	8	0	18.12	17.91	18.14	0-2	0
	8	4	18.02	17.93	18.13		0
	8	7	18.21	17.91	18.17		0
	15	0	18.13	17.97	18.14		0
64QAM	1	0	18.63	18.26	18.55	0-2	0
	1	7	18.64	18.34	18.52		0
	1	14	18.54	18.28	18.50		0
	8	0	18.13	17.90	18.20	0-3	0
	8	4	18.13	17.92	18.15		0
	8	7	18.22	17.97	18.19		0
	15	0	18.10	17.90	18.11		0

Table 8-22
LTE Band 12 Conducted Powers Ant 3B - 1.4 MHz Bandwidth

LTE Band 12 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23017 (699.7 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23173 (715.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.55	18.21	18.54	0	0
	1	2	18.53	18.18	18.60		0
	1	5	18.57	18.18	18.61		0
	3	0	18.48	18.22	18.46		0
	3	2	18.49	18.21	18.43		0
	3	3	18.49	18.20	18.43		0
	6	0	18.42	18.13	18.41	0-1	0
16QAM	1	0	18.43	18.33	18.47	0-1	0
	1	2	18.52	18.47	18.31		0
	1	5	18.58	18.59	18.57		0
	3	0	18.24	18.17	18.37		0
	3	2	18.15	18.07	18.16		0
	3	3	18.27	18.06	18.34		0
	6	0	18.17	17.97	18.23	0-2	0
64QAM	1	0	18.22	18.53	18.43	0-2	0
	1	2	18.65	18.39	18.72		0
	1	5	18.54	18.39	18.59		0
	3	0	18.38	18.08	18.33		0
	3	2	18.40	18.13	18.30		0
	3	3	18.35	18.08	18.25		0
	6	0	18.03	17.88	18.18	0-3	0

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Table 8-23
LTE Band 12 Conducted Powers Ant 3B - 10 MHz Bandwidth, Inter-band ULCA Active

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	**15.83**	0	0
	1	25	15.71		0
	1	49	15.82		0
	25	0	15.70	0-1	0
	25	12	15.72		0
	25	25	**15.88**		0
	50	0	15.74		0
16QAM	1	0	15.78	0-1	0
	1	25	15.65		0
	1	49	15.86		0
	25	0	15.22	0-2	0
	25	12	15.24		0
	25	25	15.38		0
	50	0	15.24		0
64QAM	1	0	15.65	0-2	0
	1	25	15.43		0
	1	49	15.70		0
	25	0	15.26	0-3	0
	25	12	15.28		0
	25	25	15.45		0
	50	0	15.27		0

Note: LTE Band 12 at 10 MHz bandwidth does 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.

Table 8-24
LTE Band 12 Conducted Powers Ant 3B - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 12 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23035 (701.5 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23155 (713.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.75	15.40	15.83	0	0
	1	12	15.81	15.68	15.81		0
	1	24	15.74	15.80	15.82		0
	12	0	15.58	15.78	15.63	0-1	0
	12	6	15.66	15.69	15.62		0
	12	13	15.64	15.75	15.58		0
	25	0	15.69	15.72	15.65		0
16QAM	1	0	15.60	15.40	15.68	0-1	0
	1	12	15.64	15.33	15.56		0
	1	24	15.50	15.39	15.53		0
	12	0	15.10	14.94	15.14	0-2	0
	12	6	15.19	14.90	15.13		0
	12	13	15.15	15.02	15.05		0
	25	0	15.23	14.95	15.14		0
64QAM	1	0	15.76	15.30	15.67	0-2	0
	1	12	15.86	15.35	15.63		0
	1	24	15.72	15.52	15.62		0
	12	0	15.46	15.04	15.41	0-3	0
	12	6	15.49	15.06	15.33		0
	12	13	15.47	15.13	15.27		0
	25	0	15.50	15.15	15.38		0

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Table 8-25
LTE Band 12 Conducted Powers Ant 3B - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 12 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23025 (700.5 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23165 (714.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.62	15.32	15.60	0	0
	1	7	15.69	15.38	15.62		0
	1	14	15.75	15.36	15.62		0
	8	0	15.62	15.38	15.68	0-1	0
	8	4	15.60	15.40	15.68		0
	8	7	15.69	15.41	15.69		0
	15	0	15.65	15.40	15.73		0
16QAM	1	0	15.33	15.37	15.68	0-1	0
	1	7	15.45	15.45	15.72		0
	1	14	15.45	15.40	15.62		0
	8	0	15.10	14.90	15.17	0-2	0
	8	4	15.12	14.99	15.15		0
	8	7	15.20	14.98	15.18		0
	15	0	15.13	15.03	15.13		0
64QAM	1	0	15.44	15.25	15.46	0-2	0
	1	7	15.46	15.49	15.49		0
	1	14	15.50	15.30	15.43		0
	8	0	15.02	14.96	15.11	0-3	0
	8	4	15.08	14.95	15.09		0
	8	7	15.13	14.96	15.16		0
	15	0	15.09	14.98	15.07		0

Table 8-26
LTE Band 12 Conducted Powers Ant 3B - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 12 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 23017 (699.7 MHz)	Mid Channel 23095 (707.5 MHz)	High Channel 23173 (715.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.70	15.58	15.67	0	0
	1	2	15.70	15.54	15.70		0
	1	5	15.73	15.58	15.71		0
	3	0	15.63	15.49	15.62		0
	3	2	15.66	15.50	15.67		0
	3	3	15.65	15.48	15.64		0
	6	0	15.55	15.40	15.61	0-1	0
16QAM	1	0	15.62	15.54	15.73	0-1	0
	1	2	15.58	15.49	15.72		0
	1	5	15.59	15.52	15.78		0
	3	0	15.50	15.39	15.43		0
	3	2	15.59	15.39	15.49		0
	3	3	15.58	15.36	15.42		0
	6	0	15.35	15.21	15.38	0-2	0
64QAM	1	0	15.82	15.62	15.70	0-2	0
	1	2	15.81	15.55	15.75		0
	1	5	15.72	15.63	15.77		0
	3	0	15.50	15.44	15.35		0
	3	2	15.49	15.36	15.42		0
	3	3	15.61	15.39	15.40		0
	6	0	15.34	15.18	15.32	0-3	0

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8.3.2 LTE Band 13

Table 8-27
LTE Band 13 Conducted Powers Ant 4 - 10 MHz Bandwidth

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	**20.99**	0	0
	1	25	20.91		0
	1	49	20.69		0
	25	0	20.72	0-1	0
	25	12	**20.91**		0
	25	25	20.73		0
	50	0	20.89		0
16QAM	1	0	21.10	0-1	0
	1	25	21.08		0
	1	49	20.91		0
	25	0	20.48	0-2	0
	25	12	20.65		0
	25	25	20.51		0
	50	0	20.62		0
64QAM	1	0	21.05	0-2	0
	1	25	20.94		0
	1	49	20.71		0
	25	0	20.47	0-3	0
	25	12	20.70		0
	25	25	20.56		0
	50	0	20.65		0

Table 8-28
LTE Band 13 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 13 5 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	20.67	0	0
	1	12	20.84		0
	1	24	20.77		0
	12	0	20.78	0-1	0
	12	6	20.87		0
	12	13	20.76		0
	25	0	20.84		0
16QAM	1	0	20.94	0-1	0
	1	12	21.00		0
	1	24	20.95		0
	12	0	20.48	0-2	0
	12	6	20.55		0
	12	13	20.54		0
	25	0	20.48		0
64QAM	1	0	20.84	0-2	0
	1	12	20.91		0
	1	24	20.95		0
	12	0	20.45	0-3	0
	12	6	20.56		0
	12	13	20.48		0
	25	0	20.54		0

Note: LTE Band 13 at 5 MHz bandwidth does 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.

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Table 8-29
LTE Band 13 Conducted Powers Ant 4 - 10 MHz Bandwidth, Inter-band ULCA Active

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	**17.83**	0	0
	1	25	17.76		0
	1	49	17.56		0
	25	0	17.78	0-1	0
	25	12	**17.82**		0
	25	25	17.65		0
	50	0	17.69		0
16QAM	1	0	17.81	0-1	0
	1	25	17.62		0
	1	49	17.35		0
	25	0	17.61	0-2	0
	25	12	17.58		0
	25	25	17.39		0
	50	0	17.54		0
64QAM	1	0	18.04	0-2	0
	1	25	17.77		0
	1	49	17.46		0
	25	0	17.56	0-3	0
	25	12	17.53		0
	25	25	17.36		0
	50	0	17.55		0

Table 8-30
LTE Band 13 Conducted Powers Ant 4 - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 13 5 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	17.77	0	0
	1	12	17.76		0
	1	24	17.63		0
	12	0	17.47	0-1	0
	12	6	17.57		0
	12	13	17.44		0
	25	0	17.52		0
16QAM	1	0	18.00	0-1	0
	1	12	18.02		0
	1	24	17.77		0
	12	0	17.47	0-2	0
	12	6	17.54		0
	12	13	17.41		0
	25	0	17.46		0
64QAM	1	0	17.78	0-2	0
	1	12	17.94		0
	1	24	17.73		0
	12	0	17.47	0-3	0
	12	6	17.58		0
	12	13	17.45		0
	25	0	17.47		0

Note: LTE Band 13 at 5 MHz bandwidth does 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.

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Table 8-31
LTE Band 13 Conducted Powers Ant 3B - 10 MHz Bandwidth

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	18.91	0	0
	1	25	**19.13**		0
	1	49	19.08		0
	25	0	18.84	0-1	0
	25	12	**19.14**		0
	25	25	19.11		0
	50	0	19.10		0
16QAM	1	0	19.15	0-1	0
	1	25	19.14		0
	1	49	19.02		0
	25	0	18.68	0-2	0
	25	12	18.95		0
	25	25	18.88		0
	50	0	18.87		0
64QAM	1	0	18.75	0-2	0
	1	25	19.05		0
	1	49	19.03		0
	25	0	18.33	0-3	0
	25	12	18.76		0
	25	25	18.71		0
	50	0	18.64		0

Table 8-32
LTE Band 13 Conducted Powers Ant 3B - 5 MHz Bandwidth

LTE Band 13 5 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	18.97	0	0
	1	12	19.02		0
	1	24	19.03		0
	12	0	18.87	0-1	0
	12	6	18.89		0
	12	13	18.82		0
	25	0	18.83		0
16QAM	1	0	19.19	0-1	0
	1	12	19.20		0
	1	24	19.15		0
	12	0	18.88	0-2	0
	12	6	18.91		0
	12	13	18.78		0
	25	0	18.81		0
64QAM	1	0	19.17	0-2	0
	1	12	19.20		0
	1	24	19.17		0
	12	0	18.70	0-3	0
	12	6	18.80		0
	12	13	18.78		0
	25	0	18.75		0

Note: LTE Band 13 at 5 MHz bandwidth does 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.

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Table 8-33
LTE Band 13 Conducted Powers Ant 3B - 10 MHz Bandwidth, Inter-band ULCA Active

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	**16.01**	0	0
	1	25	15.97		0
	1	49	15.75		0
	25	0	15.79	0-1	0
	25	12	**16.05**		0
	25	25	15.88		0
	50	0	16.00		0
16QAM	1	0	16.02	0-1	0
	1	25	15.98		0
	1	49	15.77		0
	25	0	15.56	0-2	0
	25	12	15.82		0
	25	25	15.63		0
	50	0	15.75		0
64QAM	1	0	15.99	0-2	0
	1	25	15.98		0
	1	49	15.78		0
	25	0	15.44	0-3	0
	25	12	15.77		0
	25	25	15.71		0
	50	0	15.75		0

Table 8-34
LTE Band 13 Conducted Powers Ant 3B - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 13 5 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	15.54	0	0
	1	12	15.84		0
	1	24	15.82		0
	12	0	15.85	0-1	0
	12	6	15.97		0
	12	13	15.83		0
	25	0	15.92		0
16QAM	1	0	15.56	0-1	0
	1	12	16.01		0
	1	24	16.08		0
	12	0	15.53	0-2	0
	12	6	15.65		0
	12	13	15.60		0
	25	0	15.60		0
64QAM	1	0	15.56	0-2	0
	1	12	15.89		0
	1	24	16.06		0
	12	0	15.51	0-3	0
	12	6	15.64		0
	12	13	15.59		0
	25	0	15.59		0

Note: LTE Band 13 at 5 MHz bandwidth does 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.

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8.3.1 LTE Band 26

Table 8-35
LTE Band 26 Conducted Powers Ant 4 - 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26740 (819.0 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 26990 (844.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.94	20.89	20.88	0	0
	1	25	20.76	20.76	20.91		0
	1	49	**20.98**	20.84	20.79		0
	25	0	20.85	20.91	20.96	0-1	0
	25	12	20.82	20.80	20.95		0
	25	25	**20.97**	20.77	20.76		0
	50	0	20.84	20.80	20.92		0
16QAM	1	0	21.10	21.10	21.08	0-1	0
	1	25	20.90	21.07	21.10		0
	1	49	20.96	21.09	20.94		0
	25	0	20.71	20.86	20.92	0-2	0
	25	12	20.64	20.78	20.98		0
	25	25	20.70	20.73	20.94		0
	50	0	20.70	20.76	20.96		0
64QAM	1	0	21.10	21.10	21.10	0-2	0
	1	25	21.08	20.96	21.10		0
	1	49	21.07	21.01	21.06		0
	25	0	20.75	20.87	20.82	0-3	0
	25	12	20.67	20.76	20.86		0
	25	25	20.77	20.74	20.79		0
	50	0	20.79	20.79	20.80		0

Table 8-36
LTE Band 26 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 26 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26715 (816.5 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 27015 (846.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.97	20.98	20.73	0	0
	1	12	20.83	20.89	20.50		0
	1	24	20.74	20.81	20.44		0
	12	0	20.75	20.73	20.74	0-1	0
	12	6	20.73	20.71	20.60		0
	12	13	20.63	20.71	20.58		0
	25	0	20.73	20.74	20.63		0
16QAM	1	0	21.02	20.98	20.94	0-1	0
	1	12	20.75	21.04	20.59		0
	1	24	20.84	20.84	20.59		0
	12	0	20.49	20.56	20.52	0-2	0
	12	6	20.50	20.56	20.36		0
	12	13	20.41	20.47	20.29		0
	25	0	20.49	20.46	20.34		0
64QAM	1	0	20.99	20.95	21.08	0-2	0
	1	12	20.87	20.67	20.77		0
	1	24	20.75	20.55	20.70		0
	12	0	20.57	20.51	20.70	0-3	0
	12	6	20.44	20.47	20.51		0
	12	13	20.40	20.45	20.48		0
	25	0	20.50	20.47	20.52		0

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Table 8-37
LTE Band 26 Conducted Powers Ant 4 - 3 MHz Bandwidth

LTE Band 26 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26705 (815.5 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 27025 (847.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.83	20.81	20.48	0	0
	1	7	20.76	20.86	20.50		0
	1	14	20.70	20.82	20.40		0
	8	0	20.86	20.75	20.59	0-1	0
	8	4	20.76	20.72	20.52		0
	8	7	20.74	20.73	20.46		0
	15	0	20.81	20.75	20.59		0
16QAM	1	0	21.00	20.81	20.76	0-1	0
	1	7	20.75	20.94	20.73		0
	1	14	20.81	20.95	20.79		0
	8	0	20.54	20.44	20.31	0-2	0
	8	4	20.47	20.46	20.23		0
	8	7	20.46	20.43	20.20		0
	15	0	20.41	20.39	20.26		0
64QAM	1	0	21.10	20.80	20.70	0-2	0
	1	7	21.00	20.80	20.84		0
	1	14	20.73	20.71	20.55		0
	8	0	20.52	20.44	20.49	0-3	0
	8	4	20.45	20.38	20.45		0
	8	7	20.38	20.41	20.40		0
	15	0	20.37	20.34	20.45		0

Table 8-38
LTE Band 26 Conducted Powers Ant 4 - 1.4 MHz Bandwidth

LTE Band 26 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26697 (814.7 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 27033 (848.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.83	20.79	20.71	0	0
	1	2	20.77	20.77	20.59		0
	1	5	20.72	20.80	20.69		0
	3	0	20.86	20.73	20.48		0
	3	2	20.85	20.70	20.41		0
	3	3	20.84	20.70	20.43		0
	6	0	20.80	20.67	20.41	0-1	0
16QAM	1	0	20.96	20.85	20.61	0-1	0
	1	2	20.79	20.93	20.44		0
	1	5	20.69	20.99	20.60		0
	3	0	20.83	20.58	20.39		0
	3	2	20.71	20.51	20.38		0
	3	3	20.73	20.54	20.18		0
	6	0	20.67	20.44	20.11	0-2	0
64QAM	1	0	21.10	20.95	20.88	0-2	0
	1	2	21.04	20.71	20.83		0
	1	5	20.72	20.76	20.77		0
	3	0	20.77	20.58	20.57		0
	3	2	20.66	20.62	20.60		0
	3	3	20.79	20.48	20.65		0
	6	0	20.58	20.40	20.45	0-3	0

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Table 8-39
LTE Band 26 Conducted Powers Ant 3B - 10 MHz Bandwidth

LTE Band 26 (Cell) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26740 (819.0 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 26990 (844.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.85	17.80	17.75	0	0
	1	25	17.80	17.79	17.89		0
	1	49	17.82	17.68	**17.90**		0
	25	0	17.82	17.84	17.75	0-1	0
	25	12	17.80	17.81	17.83		0
	25	25	17.81	17.75	**17.90**		0
	50	0	17.82	17.82	17.87		0
16QAM	1	0	17.85	17.80	17.82	0-1	0
	1	25	17.72	17.71	17.90		0
	1	49	17.83	17.67	17.90		0
	25	0	17.58	17.62	17.58	0-2	0
	25	12	17.59	17.57	17.69		0
	25	25	17.58	17.56	17.77		0
	50	0	17.55	17.56	17.60		0
64QAM	1	0	17.90	17.85	17.66	0-2	0
	1	25	17.88	17.78	17.75		0
	1	49	17.88	17.61	17.89		0
	25	0	17.59	17.55	17.46	0-3	0
	25	12	17.60	17.54	17.57		0
	25	25	17.57	17.47	17.67		0
	50	0	17.56	17.52	17.58		0

Table 8-40
LTE Band 26 Conducted Powers Ant 3B - 5 MHz Bandwidth

LTE Band 26 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26715 (816.5 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 27015 (846.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.90	17.86	17.90	0	0
	1	12	17.90	17.80	17.90		0
	1	24	17.90	17.71	17.90		0
	12	0	17.77	17.77	17.83	0-1	0
	12	6	17.81	17.77	17.90		0
	12	13	17.83	17.76	17.84		0
	25	0	17.83	17.79	17.84		0
16QAM	1	0	17.90	17.76	17.74	0-1	0
	1	12	17.83	17.71	17.90		0
	1	24	17.80	17.70	17.88		0
	12	0	17.52	17.43	17.54	0-2	0
	12	6	17.59	17.40	17.57		0
	12	13	17.62	17.40	17.62		0
	25	0	17.53	17.42	17.59		0
64QAM	1	0	17.90	17.87	17.83	0-2	0
	1	12	17.90	17.68	17.90		0
	1	24	17.90	17.75	17.90		0
	12	0	17.48	17.38	17.50	0-3	0
	12	6	17.55	17.38	17.59		0
	12	13	17.56	17.42	17.62		0
	25	0	17.52	17.43	17.59		0

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Table 8-41
LTE Band 26 Conducted Powers Ant 3B - 3 MHz Bandwidth

LTE Band 26 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26705 (815.5 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 27025 (847.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.88	17.67	17.86	0	0
	1	7	17.86	17.72	17.90		0
	1	14	17.84	17.68	17.85		0
	8	0	17.76	17.68	17.90	0-1	0
	8	4	17.71	17.71	17.90		0
	8	7	17.74	17.70	17.85		0
	15	0	17.76	17.71	17.90		0
16QAM	1	0	17.88	17.52	17.82	0-1	0
	1	7	17.90	17.53	17.81		0
	1	14	17.90	17.68	17.70		0
	8	0	17.56	17.51	17.57	0-2	0
	8	4	17.48	17.48	17.61		0
	8	7	17.52	17.47	17.58		0
	15	0	17.51	17.39	17.57		0
64QAM	1	0	17.87	17.82	17.90	0-2	0
	1	7	17.75	17.70	17.90		0
	1	14	17.87	17.83	17.79		0
	8	0	17.50	17.42	17.66	0-3	0
	8	4	17.41	17.38	17.66		0
	8	7	17.45	17.40	17.62		0
	15	0	17.47	17.38	17.68		0

Table 8-42
LTE Band 26 Conducted Powers Ant 3B - 1.4 MHz Bandwidth

LTE Band 26 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26697 (814.7 MHz)	Mid Channel 26865 (831.5 MHz)	High Channel 27033 (848.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.90	17.75	17.90	0	0
	1	2	17.85	17.74	17.89		0
	1	5	17.84	17.75	17.90		0
	3	0	17.85	17.72	17.88		0
	3	2	17.83	17.69	17.85		0
	3	3	17.83	17.71	17.84		0
	6	0	17.77	17.66	17.78	0-1	0
16QAM	1	0	17.75	17.90	17.73	0-1	0
	1	2	17.73	17.90	17.67		0
	1	5	17.67	17.89	17.74		0
	3	0	17.68	17.64	17.66		0
	3	2	17.66	17.68	17.64		0
	3	3	17.67	17.64	17.63		0
	6	0	17.61	17.48	17.57	0-2	0
64QAM	1	0	17.90	17.62	17.90	0-2	0
	1	2	17.90	17.71	17.90		0
	1	5	17.90	17.72	17.87		0
	3	0	17.71	17.57	17.75		0
	3	2	17.66	17.52	17.69		0
	3	3	17.66	17.54	17.70		0
	6	0	17.59	17.43	17.72	0-3	0

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8.3.2 LTE Band 5

Table 8-43
LTE Band 5 Conducted Powers Ant 4 - 10 MHz Bandwidth

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	20.85	0	0
	1	25	20.83		0
	1	49	**20.86**		0
	25	0	20.69	0-1	0
	25	12	20.75		0
	25	25	**20.82**		0
	50	0	20.76		0
16QAM	1	0	20.89	0-1	0
	1	25	20.90		0
	1	49	21.03		0
	25	0	20.51	0-2	0
	25	12	20.58		0
	25	25	20.60		0
	50	0	20.58		0
64QAM	1	0	20.93	0-2	0
	1	25	21.03		0
	1	49	21.03		0
	25	0	20.51	0-3	0
	25	12	20.55		0
	25	25	20.60		0
	50	0	20.56		0

Note: LTE Band 5 at 10 MHz bandwidth does 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.

Table 8-44
LTE Band 5 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 5 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20425 (826.5 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20625 (846.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.87	20.94	20.89	0	0
	1	12	20.90	20.99	20.68		0
	1	24	21.10	21.09	20.62		0
	12	0	20.88	20.80	20.90	0-1	0
	12	6	20.88	20.83	20.77		0
	12	13	20.92	20.87	20.74		0
	25	0	20.91	20.84	20.80		0
16QAM	1	0	20.71	20.69	21.01	0-1	0
	1	12	20.79	20.73	20.74		0
	1	24	21.02	20.77	20.69		0
	12	0	20.48	20.46	20.49	0-2	0
	12	6	20.41	20.48	20.34		0
	12	13	20.46	20.45	20.31		0
	25	0	20.49	20.43	20.36		0
64QAM	1	0	20.97	20.99	20.81	0-2	0
	1	12	20.93	20.71	20.87		0
	1	24	20.66	20.69	20.77		0
	12	0	20.51	20.45	20.72	0-3	0
	12	6	20.52	20.49	20.59		0
	12	13	20.50	20.41	20.51		0
	25	0	20.48	20.49	20.55		0

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Table 8-45
LTE Band 5 Conducted Powers Ant 4 - 3 MHz Bandwidth

LTE Band 5 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20415 (825.5 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20635 (847.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.72	20.88	20.64	0	0
	1	7	20.87	20.95	20.65		0
	1	14	20.86	20.95	20.57		0
	8	0	20.82	20.78	20.75	0-1	0
	8	4	20.89	20.84	20.71		0
	8	7	20.91	20.89	20.62		0
	15	0	20.90	20.86	20.75		0
16QAM	1	0	20.75	20.72	20.52	0-1	0
	1	7	20.56	20.79	20.73		0
	1	14	20.61	20.90	20.59		0
	8	0	20.38	20.23	20.38	0-2	0
	8	4	20.38	20.34	20.39		0
	8	7	20.43	20.36	20.33		0
	15	0	20.37	20.35	20.31		0
64QAM	1	0	21.01	20.81	20.66	0-2	0
	1	7	20.99	20.99	20.51		0
	1	14	20.75	20.53	20.55		0
	8	0	20.54	20.52	20.54	0-3	0
	8	4	20.59	20.51	20.53		0
	8	7	20.55	20.44	20.52		0
	15	0	20.39	20.43	20.49		0

Table 8-46
LTE Band 5 Conducted Powers Ant 4 - 1.4 MHz Bandwidth

LTE Band 5 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20407 (824.7 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20643 (848.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	20.76	20.97	20.90	0	0
	1	2	20.76	20.93	20.82		0
	1	5	20.86	20.93	20.89		0
	3	0	20.81	20.90	20.64		0
	3	2	20.82	20.89	20.67		0
	3	3	20.83	20.90	20.69		0
	6	0	20.75	20.84	20.59	0-1	0
16QAM	1	0	20.72	20.91	20.65	0-1	0
	1	2	20.85	20.84	20.55		0
	1	5	20.75	20.79	20.58		0
	3	0	20.42	20.45	20.27		0
	3	2	20.37	20.46	20.30		0
	3	3	20.41	20.42	20.32		0
	6	0	20.49	20.35	20.39	0-2	0
64QAM	1	0	20.92	20.80	20.62	0-2	0
	1	2	20.86	20.76	20.47		0
	1	5	21.00	20.83	20.61		0
	3	0	20.47	20.51	20.30		0
	3	2	20.48	20.56	20.29		0
	3	3	20.50	20.50	20.39		0
	6	0	20.33	20.30	20.31	0-3	0

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Table 8-47
LTE Band 5 Conducted Powers Ant 4 - 10 MHz Bandwidth, Inter-band ULCA Active

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	17.94	0	0
	1	25	17.91		0
	1	49	**18.07**		0
	25	0	17.96	0-1	0
	25	12	17.98		0
	25	25	**18.04**		0
	50	0	18.00		0
16QAM	1	0	17.86	0-1	0
	1	25	17.84		0
	1	49	17.96		0
	25	0	17.51	0-2	0
	25	12	17.54		0
	25	25	17.57		0
	50	0	17.56		0
64QAM	1	0	17.82	0-2	0
	1	25	17.73		0
	1	49	17.91		0
	25	0	17.54	0-3	0
	25	12	17.55		0
	25	25	17.58		0
	50	0	17.56		0

Note: LTE Band 5 at 10 MHz bandwidth does 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.

Table 8-48
LTE Band 5 Conducted Powers Ant 4 - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 5 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20425 (826.5 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20625 (846.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.06	18.02	17.92	0	0
	1	12	18.10	18.05	17.73		0
	1	24	18.09	18.05	17.65		0
	12	0	18.04	17.99	17.93	0-1	0
	12	6	18.05	17.96	17.86		0
	12	13	18.07	17.92	17.83		0
	25	0	18.08	17.96	17.89		0
16QAM	1	0	18.08	17.80	17.97	0-1	0
	1	12	18.08	17.82	17.94		0
	1	24	18.07	17.87	17.89		0
	12	0	17.74	17.69	17.67	0-2	0
	12	6	17.74	17.63	17.53		0
	12	13	17.75	17.59	17.58		0
	25	0	17.79	17.63	17.58		0
64QAM	1	0	17.90	17.87	17.96	0-2	0
	1	12	17.95	17.73	17.74		0
	1	24	17.95	17.77	17.75		0
	12	0	17.76	17.66	17.68	0-3	0
	12	6	17.79	17.61	17.54		0
	12	13	17.79	17.58	17.57		0
	25	0	17.76	17.60	17.55		0

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Table 8-49
LTE Band 5 Conducted Powers Ant 4 - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 5 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20415 (825.5 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20635 (847.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.03	17.90	17.73	0	0
	1	7	18.08	17.91	17.76		0
	1	14	18.07	17.81	17.61		0
	8	0	17.95	17.90	17.84	0-1	0
	8	4	18.07	17.86	17.79		0
	8	7	18.05	17.89	17.74		0
	15	0	18.08	17.92	17.87		0
16QAM	1	0	18.06	17.82	18.00	0-1	0
	1	7	18.08	18.02	17.79		0
	1	14	18.10	17.78	17.83		0
	8	0	17.67	17.62	17.49	0-2	0
	8	4	17.73	17.59	17.53		0
	8	7	17.78	17.61	17.46		0
	15	0	17.71	17.61	17.53		0
64QAM	1	0	18.01	18.07	17.75	0-2	0
	1	7	18.06	18.02	17.78		0
	1	14	18.10	17.97	17.79		0
	8	0	17.67	17.58	17.55	0-3	0
	8	4	17.72	17.60	17.49		0
	8	7	17.75	17.60	17.43		0
	15	0	17.73	17.52	17.48		0

Table 8-50
LTE Band 5 Conducted Powers Ant 4 - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 5 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20407 (824.7 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20643 (848.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	18.07	17.92	18.05	0	0
	1	2	18.05	17.89	17.95		0
	1	5	18.09	17.90	17.95		0
	3	0	18.00	17.93	17.83		0
	3	2	18.01	17.93	17.79		0
	3	3	18.00	17.91	17.82		0
	6	0	17.93	17.88	17.73	0-1	0
16QAM	1	0	17.70	18.09	17.95	0-1	0
	1	2	17.99	17.96	17.70		0
	1	5	18.04	18.10	17.93		0
	3	0	17.82	17.89	17.76		0
	3	2	17.79	17.84	17.70		0
	3	3	17.82	17.87	17.79		0
	6	0	17.77	17.73	17.60	0-2	0
64QAM	1	0	17.93	18.02	17.86	0-2	0
	1	2	18.07	17.99	17.91		0
	1	5	17.91	18.09	17.92		0
	3	0	17.97	17.83	17.67		0
	3	2	17.93	17.73	17.62		0
	3	3	18.01	17.86	17.63		0
	6	0	17.72	17.66	17.57	0-3	0

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Table 8-51
LTE Band 5 Conducted Powers Ant 3B - 10 MHz Bandwidth

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	**17.88**	0	0
	1	25	17.73		0
	1	49	17.78		0
	25	0	17.76	0-1	0
	25	12	17.79		0
	25	25	**17.82**		0
	50	0	17.81		0
16QAM	1	0	17.71	0-1	0
	1	25	17.54		0
	1	49	17.62		0
	25	0	17.41	0-2	0
	25	12	17.36		0
	25	25	17.40		0
	50	0	17.36		0
64QAM	1	0	17.78	0-2	0
	1	25	17.60		0
	1	49	17.77		0
	25	0	17.40	0-3	0
	25	12	17.35		0
	25	25	17.40		0
	50	0	17.36		0

Note: LTE Band 5 at 10 MHz bandwidth does 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.

Table 8-52
LTE Band 5 Conducted Powers Ant 3B - 5 MHz Bandwidth

LTE Band 5 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20425 (826.5 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20625 (846.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.73	17.47	17.77	0	0
	1	12	17.71	17.48	17.78		0
	1	24	17.75	17.56	17.71		0
	12	0	17.50	17.47	17.58	0-1	0
	12	6	17.48	17.45	17.57		0
	12	13	17.51	17.45	17.49		0
	25	0	17.56	17.48	17.59		0
16QAM	1	0	17.86	17.63	17.90	0-1	0
	1	12	17.87	17.65	17.83		0
	1	24	17.90	17.82	17.89		0
	12	0	17.50	17.39	17.57	0-2	0
	12	6	17.50	17.41	17.59		0
	12	13	17.56	17.43	17.48		0
	25	0	17.52	17.42	17.59		0
64QAM	1	0	17.87	17.67	17.87	0-2	0
	1	12	17.89	17.73	17.82		0
	1	24	17.90	17.72	17.81		0
	12	0	17.50	17.39	17.60	0-3	0
	12	6	17.50	17.38	17.56		0
	12	13	17.49	17.37	17.48		0
	25	0	17.54	17.41	17.58		0

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Table 8-53
LTE Band 5 Conducted Powers Ant 3B - 3 MHz Bandwidth

LTE Band 5 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20415 (825.5 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20635 (847.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.87	17.64	17.67	0	0
	1	7	17.85	17.68	17.62		0
	1	14	17.85	17.61	17.53		0
	8	0	17.79	17.65	17.71	0-1	0
	8	4	17.71	17.63	17.62		0
	8	7	17.69	17.62	17.56		0
	15	0	17.71	17.66	17.67		0
16QAM	1	0	17.88	17.66	17.75	0-1	0
	1	7	17.90	17.68	17.70		0
	1	14	17.89	17.60	17.64		0
	8	0	17.55	17.45	17.48	0-2	0
	8	4	17.50	17.44	17.43		0
	8	7	17.51	17.46	17.36		0
	15	0	17.47	17.39	17.37		0
64QAM	1	0	17.80	17.70	17.67	0-2	0
	1	7	17.79	17.83	17.72		0
	1	14	17.75	17.69	17.61		0
	8	0	17.52	17.38	17.50	0-3	0
	8	4	17.47	17.36	17.45		0
	8	7	17.51	17.35	17.37		0
	15	0	17.47	17.37	17.42		0

Table 8-54
LTE Band 5 Conducted Powers Ant 3B - 1.4 MHz Bandwidth

LTE Band 5 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20407 (824.7 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20643 (848.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	17.73	17.71	17.55	0	0
	1	2	17.71	17.71	17.44		0
	1	5	17.70	17.68	17.51		0
	3	0	17.60	17.54	17.39		0
	3	2	17.56	17.54	17.41		0
	3	3	17.64	17.53	17.38		0
	6	0	17.45	17.49	17.30	0-1	0
16QAM	1	0	17.90	17.70	17.69	0-1	0
	1	2	17.89	17.79	17.55		0
	1	5	17.87	17.67	17.60		0
	3	0	17.76	17.66	17.35		0
	3	2	17.68	17.58	17.34		0
	3	3	17.69	17.70	17.69		0
	6	0	17.68	17.42	17.43	0-2	0
64QAM	1	0	17.90	17.73	17.80	0-2	0
	1	2	17.83	17.80	17.72		0
	1	5	17.86	17.74	17.72		0
	3	0	17.80	17.63	17.52		0
	3	2	17.78	17.52	17.51		0
	3	3	17.77	17.41	17.47		0
	6	0	17.48	17.36	17.30	0-3	0

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Table 8-55
LTE Band 5 Conducted Powers Ant 3B - 10 MHz Bandwidth, Inter-band ULCA Active

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	**14.79**	0	0
	1	25	14.63		0
	1	49	14.68		0
	25	0	**14.70**	0-1	0
	25	12	14.64		0
	25	25	14.65		0
	50	0	14.63		0
16QAM	1	0	14.77	0-1	0
	1	25	14.61		0
	1	49	14.69		0
	25	0	14.46	0-2	0
	25	12	14.43		0
	25	25	14.41		0
	50	0	14.39		0
64QAM	1	0	14.72	0-2	0
	1	25	14.67		0
	1	49	14.71		0
	25	0	14.43	0-3	0
	25	12	14.36		0
	25	25	14.39		0
	50	0	14.41		0

Note: LTE Band 5 at 10 MHz bandwidth does 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.

Table 8-56
LTE Band 5 Conducted Powers Ant 3B - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 5 (Cell) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20425 (826.5 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20625 (846.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.82	14.65	14.58	0	0
	1	12	14.87	14.61	14.67		0
	1	24	14.90	14.68	14.64		0
	12	0	14.74	14.56	14.69	0-1	0
	12	6	14.74	14.56	14.77		0
	12	13	14.76	14.54	14.70		0
	25	0	14.76	14.56	14.80		0
16QAM	1	0	14.86	14.55	14.72	0-1	0
	1	12	14.89	14.53	14.81		0
	1	24	14.90	14.72	14.78		0
	12	0	14.58	14.33	14.48	0-2	0
	12	6	14.54	14.37	14.59		0
	12	13	14.59	14.39	14.49		0
	25	0	14.52	14.36	14.55		0
64QAM	1	0	14.64	14.72	14.75	0-2	0
	1	12	14.81	14.77	14.85		0
	1	24	14.62	14.77	14.90		0
	12	0	14.56	14.33	14.45	0-3	0
	12	6	14.54	14.33	14.53		0
	12	13	14.62	14.31	14.44		0
	25	0	14.54	14.33	14.54		0

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Table 8-57
LTE Band 5 Conducted Powers Ant 3B - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 5 (Cell) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20415 (825.5 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20635 (847.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.79	14.50	14.74	0	0
	1	7	14.88	14.52	14.71		0
	1	14	14.84	14.44	14.62		0
	8	0	14.71	14.55	14.77	0-1	0
	8	4	14.77	14.54	14.75		0
	8	7	14.76	14.52	14.66		0
	15	0	14.80	14.56	14.79		0
16QAM	1	0	14.90	14.55	14.85	0-1	0
	1	7	14.88	14.62	14.86		0
	1	14	14.86	14.42	14.90		0
	8	0	14.38	14.22	14.46	0-2	0
	8	4	14.47	14.24	14.42		0
	8	7	14.36	14.17	14.32		0
	15	0	14.49	14.20	14.48		0
64QAM	1	0	14.74	14.38	14.80	0-2	0
	1	7	14.80	14.51	14.85		0
	1	14	14.82	14.43	14.62		0
	8	0	14.46	14.20	14.50	0-3	0
	8	4	14.50	14.25	14.50		0
	8	7	14.44	14.22	14.41		0
	15	0	14.43	14.15	14.45		0

Table 8-58
LTE Band 5 Conducted Powers Ant 3B - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 5 (Cell) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20407 (824.7 MHz)	Mid Channel 20525 (836.5 MHz)	High Channel 20643 (848.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.87	14.51	14.90	0	0
	1	2	14.84	14.49	14.87		0
	1	5	14.89	14.52	14.88		0
	3	0	14.78	14.56	14.69		0
	3	2	14.79	14.55	14.74		0
	3	3	14.81	14.55	14.71		0
	6	0	14.73	14.52	14.67	0-1	0
16QAM	1	0	14.80	14.82	14.84	0-1	0
	1	2	14.90	14.47	14.72		0
	1	5	14.89	14.69	14.81		0
	3	0	14.60	14.50	14.45		0
	3	2	14.57	14.40	14.49		0
	3	3	14.65	14.55	14.51		0
	6	0	14.48	14.38	14.39	0-2	0
64QAM	1	0	14.85	14.69	14.71	0-2	0
	1	2	14.72	14.70	14.79		0
	1	5	14.79	14.59	14.83		0
	3	0	14.49	14.43	14.62		0
	3	2	14.66	14.46	14.66		0
	3	3	14.43	14.42	14.60		0
	6	0	14.36	14.41	14.29	0-3	0

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8.3.3 LTE Band 4

Table 8-59
LTE Band 4 Conducted Powers Ant 4 - 20 MHz Bandwidth

LTE Band 4 (AWS) 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20175 (1732.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**13.85**	0	0
	1	50	13.63		0
	1	99	13.62		0
	50	0	**13.58**	0-1	0
	50	25	13.48		0
	50	50	13.55		0
	100	0	13.48		0
16QAM	1	0	13.78	0-1	0
	1	50	13.75		0
	1	99	13.65		0
	50	0	13.22	0-2	0
	50	25	13.14		0
	50	50	13.38		0
	100	0	13.20		0
64QAM	1	0	13.77	0-2	0
	1	50	13.51		0
	1	99	13.35		0
	50	0	13.23	0-3	0
	50	25	13.17		0
	50	50	13.29		0
	100	0	13.21		0

Note: LTE Band 4 at 20 MHz bandwidth does 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.

Table 8-60
LTE Band 4 Conducted Powers Ant 4 - 15 MHz Bandwidth

LTE Band 4 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20025 (1717.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20325 (1747.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.65	13.74	13.35	0	0
	1	36	13.62	13.55	13.36		0
	1	74	13.63	13.57	13.40		0
	36	0	13.73	13.50	13.43	0-1	0
	36	18	13.74	13.51	13.45		0
	36	37	13.73	13.53	13.44		0
	75	0	13.73	13.47	13.39		0
16QAM	1	0	13.64	13.77	13.42	0-1	0
	1	36	13.53	13.60	13.44		0
	1	74	13.60	13.63	13.50		0
	36	0	13.51	13.30	13.27	0-2	0
	36	18	13.54	13.31	13.32		0
	36	37	13.57	13.35	13.34		0
	75	0	13.51	13.26	13.29		0
64QAM	1	0	13.66	13.64	13.8	0-2	0
	1	36	13.69	13.51	13.66		0
	1	74	13.56	13.59	13.62		0
	36	0	13.71	13.53	13.63	0-3	0
	36	18	13.7	13.51	13.69		0
	36	37	13.63	13.5	13.63		0
	75	0	13.63	13.46	13.58		0

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Table 8-61
LTE Band 4 Conducted Powers Ant 4 - 10 MHz Bandwidth

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20000 (1715.0 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20350 (1750.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.84	13.66	13.59	0	0
	1	25	13.78	13.59	13.66		0
	1	49	13.83	13.64	13.73		0
	25	0	13.90	13.75	13.73	0-1	0
	25	12	13.90	13.72	13.77		0
	25	25	13.90	13.75	13.82		0
	50	0	13.90	13.73	13.78		0
16QAM	1	0	13.74	13.57	13.59	0-1	0
	1	25	13.63	13.58	13.61		0
	1	49	13.71	13.67	13.62		0
	25	0	13.48	13.32	13.26	0-2	0
	25	12	13.53	13.30	13.30		0
	25	25	13.48	13.40	13.39		0
	50	0	13.52	13.29	13.32		0
64QAM	1	0	13.82	13.74	13.84	0-2	0
	1	25	13.75	13.64	13.9		0
	1	49	13.77	13.73	13.75		0
	25	0	13.77	13.53	13.71	0-3	0
	25	12	13.71	13.49	13.69		0
	25	25	13.7	13.53	13.66		0
	50	0	13.66	13.54	13.69		0

Table 8-62
LTE Band 4 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19975 (1712.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20375 (1752.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.86	13.74	13.58	0	0
	1	12	13.81	13.66	13.61		0
	1	24	13.83	13.72	13.63		0
	12	0	13.8	13.61	13.67	0-1	0
	12	6	13.78	13.58	13.69		0
	12	13	13.79	13.63	13.71		0
	25	0	13.79	13.6	13.72		0
16QAM	1	0	13.76	13.48	13.49	0-1	0
	1	12	13.9	13.57	13.44		0
	1	24	13.72	13.63	13.35		0
	12	0	13.34	13.28	13.16	0-2	0
	12	6	13.3	13.19	13.13		0
	12	13	13.33	13.28	13.21		0
	25	0	13.33	13.14	13.15		0
64QAM	1	0	13.61	13.47	13.5	0-2	0
	1	12	13.82	13.21	13.49		0
	1	24	13.77	13.45	13.75		0
	12	0	13.54	13.19	13.42	0-3	0
	12	6	13.44	13.16	13.36		0
	12	13	13.48	13.27	13.32		0
	25	0	13.47	13.18	13.37		0

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Table 8-63
LTE Band 4 Conducted Powers Ant 4 - 3 MHz Bandwidth

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19965 (1711.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20385 (1753.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.6	13.5	13.48	0	0
	1	7	13.66	13.55	13.53		0
	1	14	13.63	13.54	13.45		0
	8	0	13.65	13.43	13.55	0-1	0
	8	4	13.65	13.44	13.56		0
	8	7	13.64	13.48	13.57		0
	15	0	13.66	13.44	13.57		0
16QAM	1	0	13.65	13.64	13.72	0-1	0
	1	7	13.78	13.7	13.74		0
	1	14	13.55	13.8	13.61		0
	8	0	13.32	13.28	13.31	0-2	0
	8	4	13.5	13.31	13.32		0
	8	7	13.5	13.32	13.34		0
	15	0	13.34	13.24	13.3		0
64QAM	1	0	13.57	13.44	13.66	0-2	0
	1	7	13.8	13.43	13.81		0
	1	14	13.72	13.48	13.63		0
	8	0	13.34	13.19	13.38	0-3	0
	8	4	13.3	13.2	13.41		0
	8	7	13.38	13.21	13.37		0
	15	0	13.31	13.16	13.34		0

Table 8-64
LTE Band 4 Conducted Powers Ant 4 - 1.4 MHz Bandwidth

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19957 (1710.7 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20393 (1754.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.68	13.56	13.73	0	0
	1	2	13.65	13.54	13.73		0
	1	5	13.69	13.58	13.74		0
	3	0	13.7	13.5	13.59		0
	3	2	13.69	13.5	13.6		0
	3	3	13.68	13.52	13.59		0
	6	0	13.67	13.45	13.53	0-1	0
16QAM	1	0	13.68	13.58	13.61	0-1	0
	1	2	13.68	13.76	13.71		0
	1	5	13.83	13.7	13.63		0
	3	0	13.67	13.37	13.43		0
	3	2	13.53	13.4	13.54		0
	3	3	13.58	13.43	13.47		0
	6	0	13.42	13.2	13.35	0-2	0
64QAM	1	0	13.62	13.41	13.87	0-2	0
	1	2	13.75	13.46	13.9		0
	1	5	13.71	13.43	13.69		0
	3	0	13.53	13.35	13.73		0
	3	2	13.58	13.33	13.78		0
	3	3	13.58	13.2	13.67		0
	6	0	13.44	13.16	13.47	0-3	0

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Table 8-65
LTE Band 4 Conducted Powers Ant 4 - 20 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20175 (1732.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**10.86**	0	0
	1	50	10.47		0
	1	99	10.36		0
	50	0	**10.40**	0-1	0
	50	25	10.30		0
	50	50	10.13		0
	100	0	10.34		0
16QAM	1	0	10.86	0-1	0
	1	50	10.47		0
	1	99	10.43		0
	50	0	10.24	0-2	0
	50	25	10.22		0
	50	50	10.11		0
	100	0	10.18		0
64QAM	1	0	10.89	0-2	0
	1	50	10.56		0
	1	99	10.51		0
	50	0	10.26	0-3	0
	50	25	10.13		0
	50	50	9.99		0
	100	0	10.05		0

Note: LTE Band 4 at 20 MHz bandwidth does 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.

Table 8-66
LTE Band 4 Conducted Powers Ant 4 - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20025 (1717.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20325 (1747.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.64	10.40	9.88	0	0
	1	36	10.76	10.20	10.11		0
	1	74	10.51	9.97	10.09		0
	36	0	10.60	10.18	10.11	0-1	0
	36	18	10.72	10.17	10.26		0
	36	37	10.66	10.03	10.26		0
	75	0	10.67	10.13	10.26		0
16QAM	1	0	10.77	10.55	10.08	0-1	0
	1	36	10.87	10.37	10.40		0
	1	74	10.71	10.18	10.14		0
	36	0	10.49	10.26	10.16	0-2	0
	36	18	10.79	10.30	10.43		0
	36	37	10.70	10.22	10.31		0
	75	0	10.70	10.25	10.28		0
64QAM	1	0	10.89	10.85	10.04	0-2	0
	1	36	10.90	10.65	10.51		0
	1	74	10.66	10.47	10.42		0
	36	0	10.65	10.31	10.16	0-3	0
	36	18	10.76	10.32	10.33		0
	36	37	10.68	10.22	10.33		0
	75	0	10.72	10.30	10.29		0

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Table 8-67
LTE Band 4 Conducted Powers Ant 4 - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20000 (1715.0 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20350 (1750.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.83	10.22	9.84	0	0
	1	25	10.80	10.10	9.96		0
	1	49	10.92	9.95	10.07		0
	25	0	10.70	10.12	10.10	0-1	0
	25	12	10.68	10.08	10.13		0
	25	25	10.72	10.00	10.19		0
	50	0	10.68	10.05	10.14		0
16QAM	1	0	11.03	10.29	10.27	0-1	0
	1	25	10.99	10.28	9.99		0
	1	49	11.00	9.99	10.36		0
	25	0	10.74	10.17	10.14	0-2	0
	25	12	10.71	10.08	10.16		0
	25	25	10.79	10.01	10.20		0
	50	0	10.70	10.12	10.19		0
64QAM	1	0	10.83	10.41	10.03	0-2	0
	1	25	10.94	10.54	10.20		0
	1	49	11.08	10.29	10.07		0
	25	0	10.70	10.18	10.11	0-3	0
	25	12	10.66	10.12	10.11		0
	25	25	10.79	10.02	10.18		0
	50	0	10.71	10.09	10.16		0

Table 8-68
LTE Band 4 Conducted Powers Ant 4 - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19975 (1712.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20375 (1752.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.74	10.17	10.25	0	0
	1	12	10.73	10.13	10.21		0
	1	24	10.67	10.01	10.24		0
	12	0	10.59	10.08	10.08	0-1	0
	12	6	10.59	10.07	10.08		0
	12	13	10.51	9.97	10.08		0
	25	0	10.59	10.09	10.08		0
16QAM	1	0	10.82	10.39	10.28	0-1	0
	1	12	10.86	10.16	10.29		0
	1	24	10.82	10.29	10.45		0
	12	0	10.58	10.06	10.03	0-2	0
	12	6	10.57	9.99	10.04		0
	12	13	10.48	9.95	10.09		0
	25	0	10.54	10.06	10.11		0
64QAM	1	0	10.87	10.57	10.42	0-2	0
	1	12	10.90	10.62	10.34		0
	1	24	10.90	10.37	10.38		0
	12	0	10.60	10.12	10.10	0-3	0
	12	6	10.58	10.13	10.10		0
	12	13	10.48	9.98	10.10		0
	25	0	10.56	10.08	10.14		0

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Table 8-69
LTE Band 4 Conducted Powers Ant 4 - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19965 (1711.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20385 (1753.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.55	9.99	10.02	0	0
	1	7	10.59	10.03	10.12		0
	1	14	10.57	9.87	10.08		0
	8	0	10.41	9.93	10.15	0-1	0
	8	4	10.41	9.94	10.16		0
	8	7	10.44	9.84	10.15		0
	15	0	10.43	9.94	10.14		0
16QAM	1	0	10.83	10.17	10.19	0-1	0
	1	7	10.87	10.21	10.24		0
	1	14	10.88	10.08	10.19		0
	8	0	10.40	10.01	10.13	0-2	0
	8	4	10.40	10.01	10.15		0
	8	7	10.47	9.90	10.14		0
	15	0	10.40	9.88	10.06		0
64QAM	1	0	10.73	10.52	10.24	0-2	0
	1	7	10.89	10.40	10.47		0
	1	14	10.67	10.20	10.39		0
	8	0	10.37	9.90	10.18	0-3	0
	8	4	10.42	9.85	10.14		0
	8	7	10.44	9.80	10.15		0
	15	0	10.39	9.84	10.16		0

Table 8-70
LTE Band 4 Conducted Powers Ant 4 - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19957 (1710.7 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20393 (1754.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.77	10.24	10.22	0	0
	1	2	10.74	10.20	10.15		0
	1	5	10.73	10.14	10.22		0
	3	0	10.60	9.97	10.18		0
	3	2	10.58	9.98	10.16		0
	3	3	10.55	9.95	10.20		0
	6	0	10.50	9.94	10.16	0-1	0
16QAM	1	0	10.79	10.46	10.42	0-1	0
	1	2	10.87	10.41	10.37		0
	1	5	10.76	10.26	10.43		0
	3	0	10.73	10.18	10.16		0
	3	2	10.75	10.13	10.24		0
	3	3	10.82	10.12	10.31		0
	6	0	10.53	10.05	10.15	0-2	0
64QAM	1	0	10.86	10.25	10.43	0-2	0
	1	2	10.82	10.26	10.43		0
	1	5	10.77	10.17	10.57		0
	3	0	10.74	10.28	10.24		0
	3	2	10.72	10.28	10.28		0
	3	3	10.64	10.13	10.27		0
	6	0	10.57	9.86	10.11	0-3	0

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Table 8-71
LTE Band 4 Conducted Powers Ant 2A - 20 MHz Bandwidth

LTE Band 4 (AWS) 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20175 (1732.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	15.15	0	0
	1	50	**15.28**		0
	1	99	15.25		0
	50	0	15.27	0-1	0
	50	25	**15.30**		0
	50	50	15.26		0
	100	0	15.27		0
16QAM	1	0	15.05	0-1	0
	1	50	15.10		0
	1	99	15.07		0
	50	0	15.06	0-2	0
	50	25	15.04		0
	50	50	15.04		0
	100	0	15.05		0
64QAM	1	0	15.15	0-2	0
	1	50	15.11		0
	1	99	14.98		0
	50	0	15.06	0-3	0
	50	25	15.07		0
	50	50	15.05		0
	100	0	15.01		0

Note: LTE Band 4 at 20 MHz bandwidth does 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.

Table 8-72
LTE Band 4 Conducted Powers Ant 2A - 15 MHz Bandwidth

LTE Band 4 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20025 (1717.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20325 (1747.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.15	15.00	14.85	0	0
	1	36	15.16	15.11	14.95		0
	1	74	15.04	14.88	14.80		0
	36	0	15.17	15.16	14.97	0-1	0
	36	18	15.15	15.19	15.05		0
	36	37	14.99	15.12	14.99		0
	75	0	15.13	15.17	15.00		0
16QAM	1	0	15.30	15.21	15.30	0-1	0
	1	36	15.30	15.30	15.30		0
	1	74	15.30	15.20	15.13		0
	36	0	15.26	15.26	15.15	0-2	0
	36	18	15.28	15.30	15.19		0
	36	37	15.16	15.26	15.13		0
	75	0	15.24	15.28	15.13		0
64QAM	1	0	14.95	15.03	15.08	0-2	0
	1	36	15.00	15.25	15.30		0
	1	74	14.78	14.92	15.13		0
	36	0	15.00	15.02	14.86	0-3	0
	36	18	15.01	15.07	14.95		0
	36	37	14.89	15.03	14.92		0
	75	0	14.96	15.04	14.91		0

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Table 8-73
LTE Band 4 Conducted Powers Ant 2A - 10 MHz Bandwidth

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20000 (1715.0 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20350 (1750.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.30	15.21	15.01	0	0
	1	25	15.22	15.22	15.04		0
	1	49	15.11	15.13	14.96		0
	25	0	15.15	15.30	15.16	0-1	0
	25	12	15.18	15.30	15.16		0
	25	25	15.17	15.28	15.07		0
	50	0	15.21	15.30	15.12		0
16QAM	1	0	15.30	15.25	15.12	0-1	0
	1	25	15.30	15.30	14.99		0
	1	49	15.30	15.30	15.23		0
	25	0	15.24	15.28	15.14	0-2	0
	25	12	15.25	15.21	15.10		0
	25	25	15.27	15.30	15.03		0
	50	0	15.24	15.30	15.13		0
64QAM	1	0	15.19	15.30	15.12	0-2	0
	1	25	15.10	15.30	15.07		0
	1	49	14.99	15.18	15.03		0
	25	0	14.95	15.12	15.00	0-3	0
	25	12	14.96	15.10	14.94		0
	25	25	14.97	15.11	14.88		0
	50	0	14.99	15.09	14.92		0

Table 8-74
LTE Band 4 Conducted Powers Ant 2A - 5 MHz Bandwidth

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19975 (1712.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20375 (1752.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.12	15.17	15.10	0	0
	1	12	15.05	15.15	15.03		0
	1	24	15.09	15.16	15.02		0
	12	0	15.00	15.14	14.98	0-1	0
	12	6	14.97	15.14	14.90		0
	12	13	15.00	15.14	14.90		0
	25	0	14.99	15.16	14.91		0
16QAM	1	0	15.30	15.15	15.30	0-1	0
	1	12	15.19	15.27	15.25		0
	1	24	15.30	15.30	15.23		0
	12	0	15.07	15.06	15.08	0-2	0
	12	6	15.06	15.09	15.02		0
	12	13	15.04	15.10	15.03		0
	25	0	14.98	15.08	15.00		0
64QAM	1	0	15.15	15.14	14.97	0-2	0
	1	12	15.13	15.11	14.84		0
	1	24	15.08	15.05	14.93		0
	12	0	14.78	14.91	14.72	0-3	0
	12	6	14.74	14.89	14.71		0
	12	13	14.85	14.90	14.66		0
	25	0	14.75	14.92	14.65		0

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Table 8-75
LTE Band 4 Conducted Powers Ant 2A - 3 MHz Bandwidth

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19965 (1711.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20385 (1753.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.12	14.95	14.78	0	0
	1	7	15.16	15.03	14.87		0
	1	14	15.03	15.00	14.79		0
	8	0	15.03	14.99	14.88	0-1	0
	8	4	15.02	15.00	14.89		0
	8	7	15.01	15.01	14.87		0
	15	0	15.02	15.04	14.87		0
16QAM	1	0	15.30	15.15	14.92	0-1	0
	1	7	15.30	15.30	14.98		0
	1	14	15.30	15.26	15.02		0
	8	0	15.05	15.11	14.85	0-2	0
	8	4	15.01	15.08	14.88		0
	8	7	15.03	15.12	14.85		0
	15	0	14.96	15.04	14.81		0
64QAM	1	0	15.06	15.07	14.83	0-2	0
	1	7	15.08	15.14	14.95		0
	1	14	14.98	15.14	14.88		0
	8	0	14.74	14.78	14.72	0-3	0
	8	4	14.72	14.78	14.65		0
	8	7	14.76	14.84	14.67		0
	15	0	14.70	14.80	14.66		0

Table 8-76
LTE Band 4 Conducted Powers Ant 2A - 1.4 MHz Bandwidth

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19957 (1710.7 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20393 (1754.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.02	15.05	14.96	0	0
	1	2	15.01	15.05	14.95		0
	1	5	15.04	15.06	14.97		0
	3	0	14.95	15.01	14.91		0
	3	2	14.96	15.03	14.92		0
	3	3	14.96	15.03	14.90		0
	6	0	14.91	14.98	14.85	0-1	0
16QAM	1	0	15.30	15.26	15.12	0-1	0
	1	2	15.30	15.24	15.10		0
	1	5	15.27	15.30	15.08		0
	3	0	15.01	15.13	15.00		0
	3	2	15.01	15.17	15.02		0
	3	3	15.04	15.15	14.99		0
	6	0	15.00	15.03	14.91	0-2	0
64QAM	1	0	15.01	14.97	15.00	0-2	0
	1	2	14.92	15.03	15.03		0
	1	5	14.97	15.01	15.13		0
	3	0	14.93	14.82	14.84		0
	3	2	14.92	14.83	14.83		0
	3	3	14.93	14.81	14.79		0
	6	0	14.74	14.69	14.63	0-3	0

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Table 8-77
LTE Band 4 Conducted Powers Ant 2A - 20 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20175 (1732.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	11.93	0	0
	1	50	11.96		0
	1	99	**12.15**		0
	50	0	12.07	0-1	0
	50	25	12.06		0
	50	50	**12.09**		0
	100	0	12.07		0
16QAM	1	0	12.10	0-1	0
	1	50	12.09		0
	1	99	12.24		0
	50	0	11.82	0-2	0
	50	25	11.81		0
	50	50	11.86		0
	100	0	11.82		0
64QAM	1	0	11.77	0-2	0
	1	50	11.82		0
	1	99	11.96		0
	50	0	11.83	0-3	0
	50	25	11.80		0
	50	50	11.87		0
	100	0	11.82		0

Note: LTE Band 4 at 20 MHz bandwidth does 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.

Table 8-78
LTE Band 4 Conducted Powers Ant 2A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20025 (1717.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20325 (1747.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.80	12.06	11.68	0	0
	1	36	11.83	12.16	11.85		0
	1	74	11.72	11.89	11.66		0
	36	0	11.87	12.09	11.80	0-1	0
	36	18	11.90	12.10	11.92		0
	36	37	11.75	12.00	11.86		0
	75	0	11.83	12.06	11.83		0
16QAM	1	0	12.25	12.28	11.91	0-1	0
	1	36	12.30	12.21	12.17		0
	1	74	12.20	12.05	11.83		0
	36	0	12.13	12.07	11.84	0-2	0
	36	18	12.12	12.08	11.90		0
	36	37	11.85	12.00	11.82		0
	75	0	11.98	12.08	11.88		0
64QAM	1	0	12.17	12.23	11.97	0-2	0
	1	36	12.25	12.03	12.00		0
	1	74	11.79	11.81	11.83		0
	36	0	12.00	12.08	11.88	0-3	0
	36	18	12.01	12.12	12.01		0
	36	37	11.85	12.00	11.88		0
	75	0	11.96	12.04	11.90		0

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Table 8-79
LTE Band 4 Conducted Powers Ant 2A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20000 (1715.0 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20350 (1750.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.91	11.98	11.73	0	0
	1	25	11.84	11.98	11.70		0
	1	49	11.71	11.93	11.72		0
	25	0	11.91	12.11	11.89	0-1	0
	25	12	11.99	12.11	11.81		0
	25	25	11.97	12.08	11.80		0
	50	0	12.00	12.11	11.76		0
16QAM	1	0	12.14	12.16	12.05	0-1	0
	1	25	12.17	12.28	12.05		0
	1	49	11.83	12.05	11.88		0
	25	0	11.84	12.11	11.91	0-2	0
	25	12	11.84	12.10	11.83		0
	25	25	11.85	12.03	11.76		0
	50	0	11.87	12.09	11.87		0
64QAM	1	0	12.12	12.26	11.87	0-2	0
	1	25	11.95	12.26	11.94		0
	1	49	12.10	11.97	11.97		0
	25	0	11.84	12.10	11.94	0-3	0
	25	12	11.87	12.12	11.85		0
	25	25	11.82	12.07	11.80		0
	50	0	11.90	12.10	11.91		0

Table 8-80
LTE Band 4 Conducted Powers Ant 2A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19975 (1712.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20375 (1752.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.98	11.90	11.74	0	0
	1	12	11.85	11.87	11.74		0
	1	24	11.99	11.92	11.77		0
	12	0	11.87	11.89	11.85	0-1	0
	12	6	11.76	11.88	11.81		0
	12	13	11.85	11.90	11.84		0
	25	0	11.81	11.89	11.81		0
16QAM	1	0	12.12	12.10	11.99	0-1	0
	1	12	11.91	12.15	11.91		0
	1	24	11.93	12.10	12.04		0
	12	0	11.72	11.91	11.73	0-2	0
	12	6	11.63	11.91	11.68		0
	12	13	11.58	11.88	11.65		0
	25	0	11.55	11.91	11.70		0
64QAM	1	0	11.97	12.19	12.02	0-2	0
	1	12	11.74	12.24	11.99		0
	1	24	11.58	12.30	12.12		0
	12	0	11.63	11.91	11.79	0-3	0
	12	6	11.57	11.86	11.76		0
	12	13	11.60	11.94	11.77		0
	25	0	11.50	11.86	11.78		0

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Table 8-81
LTE Band 4 Conducted Powers Ant 2A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19965 (1711.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20385 (1753.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.79	11.79	11.48	0	0
	1	7	11.85	11.83	11.53		0
	1	14	11.73	11.80	11.46		0
	8	0	11.77	11.86	11.55	0-1	0
	8	4	11.75	11.84	11.55		0
	8	7	11.75	11.85	11.52		0
	15	0	11.74	11.86	11.53		0
16QAM	1	0	12.21	12.04	11.73	0-1	0
	1	7	12.13	12.06	11.96		0
	1	14	12.06	12.06	11.76		0
	8	0	11.76	11.77	11.53	0-2	0
	8	4	11.77	11.78	11.50		0
	8	7	11.64	11.79	11.50		0
	15	0	11.70	11.85	11.56		0
64QAM	1	0	12.15	11.99	11.79	0-2	0
	1	7	11.99	12.01	11.87		0
	1	14	11.94	12.05	11.77		0
	8	0	11.75	11.82	11.55	0-3	0
	8	4	11.71	11.78	11.54		0
	8	7	11.74	11.79	11.55		0
	15	0	11.70	11.78	11.51		0

Table 8-82
LTE Band 4 Conducted Powers Ant 2A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19957 (1710.7 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20393 (1754.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.81	11.73	11.69	0	0
	1	2	11.76	11.72	11.87		0
	1	5	11.80	11.76	11.91		0
	3	0	11.75	11.80	11.75		0
	3	2	11.77	11.79	11.74		0
	3	3	11.74	11.77	11.74		0
	6	0	11.71	11.75	11.68	0-1	0
16QAM	1	0	12.01	12.01	12.08	0-1	0
	1	2	11.97	11.89	12.01		0
	1	5	12.05	12.02	12.13		0
	3	0	11.81	11.93	11.82		0
	3	2	11.73	11.92	11.79		0
	3	3	11.79	11.92	11.73		0
	6	0	11.67	11.85	11.72	0-2	0
64QAM	1	0	12.02	11.96	11.95	0-2	0
	1	2	11.85	12.04	12.01		0
	1	5	12.04	11.96	11.84		0
	3	0	11.75	11.81	11.95		0
	3	2	11.65	11.84	12.02		0
	3	3	11.77	11.92	11.96		0
	6	0	11.61	11.81	11.68	0-3	0

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Table 8-83
LTE Band 4 Conducted Powers Ant 1A - 20 MHz Bandwidth

LTE Band 4 (AWS) 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20175 (1732.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**14.77**	0	0
	1	50	14.75		0
	1	99	14.55		0
	50	0	**14.80**	0-1	0
	50	25	14.79		0
	50	50	14.67		0
	100	0	14.76		0
16QAM	1	0	14.80	0-1	0
	1	50	14.80		0
	1	99	14.74		0
	50	0	14.68	0-2	0
	50	25	14.70		0
	50	50	14.59		0
	100	0	14.67		0
64QAM	1	0	14.75	0-2	0
	1	50	14.74		0
	1	99	14.53		0
	50	0	14.70	0-3	0
	50	25	14.72		0
	50	50	14.60		0
	100	0	14.68		0

Note: LTE Band 4 at 20 MHz bandwidth does 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.

Table 8-84
LTE Band 4 Conducted Powers Ant 1A - 15 MHz Bandwidth

LTE Band 4 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20025 (1717.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20325 (1747.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.59	14.49	14.45	0	0
	1	36	14.57	14.64	14.32		0
	1	74	14.48	14.47	14.14		0
	36	0	14.50	14.67	14.46	0-1	0
	36	18	14.49	14.72	14.42		0
	36	37	14.46	14.69	14.35		0
	75	0	14.48	14.64	14.37		0
16QAM	1	0	14.42	14.51	14.55	0-1	0
	1	36	14.29	14.65	14.37		0
	1	74	14.28	14.49	14.29		0
	36	0	14.27	14.40	14.26	0-2	0
	36	18	14.28	14.47	14.17		0
	36	37	14.20	14.45	14.11		0
	75	0	14.22	14.40	14.12		0
64QAM	1	0	14.45	14.40	14.49	0-2	0
	1	36	14.49	14.55	14.32		0
	1	74	14.17	14.43	14.13		0
	36	0	14.30	14.41	14.29	0-3	0
	36	18	14.29	14.47	14.23		0
	36	37	14.26	14.39	14.15		0
	75	0	14.26	14.35	14.12		0

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Table 8-85
LTE Band 4 Conducted Powers Ant 1A - 10 MHz Bandwidth

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20000 (1715.0 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20350 (1750.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.49	14.66	14.53	0	0
	1	25	14.46	14.71	14.34		0
	1	49	14.46	14.59	14.29		0
	25	0	14.57	14.80	14.49	0-1	0
	25	12	14.55	14.80	14.43		0
	25	25	14.56	14.80	14.41		0
	50	0	14.55	14.80	14.44		0
16QAM	1	0	14.41	14.52	14.44	0-1	0
	1	25	14.49	14.59	14.47		0
	1	49	14.42	14.49	14.29		0
	25	0	14.28	14.35	14.16	0-2	0
	25	12	14.25	14.32	14.14		0
	25	25	14.22	14.35	14.10		0
	50	0	14.22	14.32	14.14		0
64QAM	1	0	14.47	14.58	14.29	0-2	0
	1	25	14.49	14.55	14.24		0
	1	49	14.36	14.40	14.15		0
	25	0	14.30	14.37	14.16	0-3	0
	25	12	14.25	14.33	14.16		0
	25	25	14.23	14.32	14.13		0
	50	0	14.24	14.33	14.12		0

Table 8-86
LTE Band 4 Conducted Powers Ant 1A - 5 MHz Bandwidth

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19975 (1712.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20375 (1752.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.42	14.62	14.14	0	0
	1	12	14.38	14.61	14.10		0
	1	24	14.36	14.66	14.19		0
	12	0	14.37	14.52	14.22	0-1	0
	12	6	14.36	14.51	14.20		0
	12	13	14.36	14.53	14.19		0
	25	0	14.36	14.52	14.20		0
16QAM	1	0	14.61	14.79	14.38	0-1	0
	1	12	14.53	14.80	14.34		0
	1	24	14.49	14.79	14.42		0
	12	0	14.16	14.39	14.11	0-2	0
	12	6	14.13	14.44	14.11		0
	12	13	14.18	14.41	14.15		0
	25	0	14.17	14.42	14.10		0
64QAM	1	0	14.77	14.77	14.57	0-2	0
	1	12	14.66	14.60	14.28		0
	1	24	14.48	14.80	14.40		0
	12	0	14.27	14.55	14.20	0-3	0
	12	6	14.32	14.50	14.20		0
	12	13	14.35	14.54	14.19		0
	25	0	14.36	14.46	14.20		0

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Table 8-87
LTE Band 4 Conducted Powers Ant 1A - 3 MHz Bandwidth

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19965 (1711.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20385 (1753.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.52	14.59	14.12	0	0
	1	7	14.54	14.64	14.18		0
	1	14	14.49	14.59	14.13		0
	8	0	14.55	14.54	14.24	0-1	0
	8	4	14.53	14.53	14.24		0
	8	7	14.53	14.53	14.24		0
	15	0	14.55	14.54	14.26		0
16QAM	1	0	14.74	14.82	14.47	0-1	0
	1	7	14.65	14.87	14.81		0
	1	14	14.69	14.77	14.74		0
	8	0	14.48	14.46	14.25	0-2	0
	8	4	14.41	14.45	14.28		0
	8	7	14.56	14.50	14.23		0
	15	0	14.47	14.45	14.28		0
64QAM	1	0	14.64	14.72	14.54	0-2	0
	1	7	14.63	14.72	14.53		0
	1	14	14.65	14.77	14.52		0
	8	0	14.42	14.42	14.22	0-3	0
	8	4	14.46	14.43	14.22		0
	8	7	14.44	14.50	14.25		0
	15	0	14.39	14.39	14.22		0

Table 8-88
LTE Band 4 Conducted Powers Ant 1A - 1.4 MHz Bandwidth

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19957 (1710.7 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20393 (1754.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.69	14.89	14.37	0	0
	1	2	14.66	14.87	14.34		0
	1	5	14.69	14.91	14.44		0
	3	0	14.62	14.71	14.37		0
	3	2	14.62	14.73	14.36		0
	3	3	14.62	14.73	14.46		0
	6	0	14.57	14.67	14.32	0-1	0
16QAM	1	0	14.74	14.72	14.46	0-1	0
	1	2	14.63	14.79	14.41		0
	1	5	14.68	14.72	14.47		0
	3	0	14.29	14.47	14.35		0
	3	2	14.35	14.52	14.29		0
	3	3	14.37	14.57	14.34		0
	6	0	14.20	14.39	14.27	0-2	0
64QAM	1	0	14.53	14.95	14.49	0-2	0
	1	2	14.58	14.83	14.57		0
	1	5	14.58	14.77	14.62		0
	3	0	14.45	14.63	14.31		0
	3	2	14.36	14.64	14.27		0
	3	3	14.32	14.70	14.35		0
	6	0	14.24	14.45	14.24	0-3	0

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Table 8-89
LTE Band 4 Conducted Powers Ant 1A - 20 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20175 (1732.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	11.44	0	0
	1	50	11.61		0
	1	99	**11.62**		0
	50	0	**11.61**	0-1	0
	50	25	11.58		0
	50	50	11.54		0
	100	0	11.57		0
16QAM	1	0	11.41	0-1	0
	1	50	11.57		0
	1	99	11.53		0
	50	0	11.39	0-2	0
	50	25	11.41		0
	50	50	11.30		0
	100	0	11.38		0
64QAM	1	0	11.26	0-2	0
	1	50	11.45		0
	1	99	11.32		0
	50	0	11.35	0-3	0
	50	25	11.40		0
	50	50	11.31		0
	100	0	11.37		0

Note: LTE Band 4 at 20 MHz bandwidth does 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.

Table 8-90
LTE Band 4 Conducted Powers Ant 1A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20025 (1717.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20325 (1747.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.14	11.43	11.57	0	0
	1	36	11.26	11.63	11.62		0
	1	74	11.12	11.49	11.50		0
	36	0	11.42	11.70	11.42	0-1	0
	36	18	11.56	11.68	11.41		0
	36	37	11.55	11.57	11.33		0
	75	0	11.53	11.62	11.38		0
16QAM	1	0	11.23	11.43	11.52	0-1	0
	1	36	11.33	11.72	11.66		0
	1	74	11.18	11.58	11.34		0
	36	0	11.15	11.43	11.16	0-2	0
	36	18	11.31	11.43	11.28		0
	36	37	11.25	11.34	11.19		0
	75	0	11.25	11.35	11.23		0
64QAM	1	0	11.47	11.59	11.28	0-2	0
	1	36	11.20	11.54	11.31		0
	1	74	11.06	11.48	10.98		0
	36	0	11.17	11.38	11.17	0-3	0
	36	18	11.26	11.40	11.28		0
	36	37	11.24	11.28	11.12		0
	75	0	11.23	11.34	11.17		0

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Table 8-91
LTE Band 4 Conducted Powers Ant 1A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20000 (1715.0 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20350 (1750.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.39	11.55	11.38	0	0
	1	25	11.34	11.46	11.43		0
	1	49	11.52	11.39	11.42		0
	25	0	11.38	11.66	11.56	0-1	0
	25	12	11.44	11.59	11.52		0
	25	25	11.57	11.54	11.31		0
	50	0	11.45	11.58	11.45		0
16QAM	1	0	11.10	11.70	11.50	0-1	0
	1	25	11.10	11.66	11.39		0
	1	49	11.23	11.57	11.41		0
	25	0	10.95	11.32	11.21	0-2	0
	25	12	10.99	11.23	11.19		0
	25	25	11.13	11.22	11.07		0
	50	0	11.02	11.21	11.19		0
64QAM	1	0	11.01	11.62	11.28	0-2	0
	1	25	11.09	11.59	11.37		0
	1	49	11.14	11.44	11.16		0
	25	0	10.91	11.28	11.27	0-3	0
	25	12	11.00	11.20	11.08		0
	25	25	11.12	11.13	10.95		0
	50	0	11.16	11.33	11.22		0

Table 8-92
LTE Band 4 Conducted Powers Ant 1A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19975 (1712.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20375 (1752.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.27	11.71	11.20	0	0
	1	12	11.17	11.60	11.10		0
	1	24	11.25	11.60	11.16		0
	12	0	11.18	11.50	11.29	0-1	0
	12	6	11.15	11.49	11.29		0
	12	13	11.21	11.41	11.33		0
	25	0	11.17	11.50	11.29		0
16QAM	1	0	11.16	11.69	11.22	0-1	0
	1	12	11.53	11.68	11.23		0
	1	24	11.30	11.63	11.19		0
	12	0	11.00	11.15	11.00	0-2	0
	12	6	10.92	11.21	11.03		0
	12	13	10.89	11.15	11.05		0
	25	0	10.97	11.11	11.00		0
64QAM	1	0	11.19	11.29	11.43	0-2	0
	1	12	11.11	11.22	11.39		0
	1	24	10.94	11.42	11.23		0
	12	0	11.07	11.20	11.04	0-3	0
	12	6	10.92	11.15	11.00		0
	12	13	10.94	11.13	11.00		0
	25	0	10.92	11.10	10.95		0

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Table 8-93
LTE Band 4 Conducted Powers Ant 1A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19965 (1711.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20385 (1753.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.07	11.40	11.00	0	0
	1	7	11.11	11.43	11.09		0
	1	14	10.99	11.32	11.02		0
	8	0	11.13	11.40	11.08	0-1	0
	8	4	11.16	11.35	11.10		0
	8	7	11.12	11.31	11.11		0
	15	0	11.15	11.38	11.11		0
16QAM	1	0	11.24	11.59	11.23	0-1	0
	1	7	11.29	11.74	11.35		0
	1	14	11.06	11.52	11.14		0
	8	0	11.02	11.12	10.87	0-2	0
	8	4	10.99	11.08	10.88		0
	8	7	10.88	11.05	10.87		0
	15	0	10.86	11.07	10.85		0
64QAM	1	0	11.33	11.62	11.18	0-2	0
	1	7	11.13	11.48	11.26		0
	1	14	11.16	11.35	11.20		0
	8	0	10.97	11.10	10.86	0-3	0
	8	4	10.94	11.15	10.84		0
	8	7	10.85	11.12	10.84		0
	15	0	10.86	11.06	10.82		0

Table 8-94
LTE Band 4 Conducted Powers Ant 1A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19957 (1710.7 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20393 (1754.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.47	11.50	11.49	0	0
	1	2	11.45	11.47	11.47		0
	1	5	11.51	11.51	11.44		0
	3	0	11.42	11.57	11.45		0
	3	2	11.43	11.54	11.46		0
	3	3	11.44	11.56	11.43		0
	6	0	11.39	11.54	11.41	0-1	0
16QAM	1	0	11.45	11.55	11.54	0-1	0
	1	2	11.53	11.39	11.45		0
	1	5	11.50	11.53	11.62		0
	3	0	11.28	11.51	11.26		0
	3	2	11.28	11.37	11.27		0
	3	3	11.31	11.33	11.20		0
	6	0	11.15	11.34	11.13	0-2	0
64QAM	1	0	11.68	11.57	11.52	0-2	0
	1	2	11.57	11.56	11.48		0
	1	5	11.48	11.68	11.40		0
	3	0	11.41	11.43	11.34		0
	3	2	11.42	11.41	11.31		0
	3	3	11.47	11.47	11.26		0
	6	0	11.23	11.35	11.15	0-3	0

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Table 8-95
LTE Band 4 Conducted Powers Ant 3A - 20 MHz Bandwidth

LTE Band 4 (AWS) 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20175 (1732.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	13.80	0	0
	1	50	13.82		0
	1	99	**13.88**		0
	50	0	13.88	0-1	0
	50	25	13.85		0
	50	50	**13.90**		0
	100	0	13.83		0
16QAM	1	0	13.81	0-1	0
	1	50	13.77		0
	1	99	13.75		0
	50	0	13.73	0-2	0
	50	25	13.74		0
	50	50	13.66		0
	100	0	13.69		0
64QAM	1	0	13.61	0-2	0
	1	50	13.65		0
	1	99	13.62		0
	50	0	13.45	0-3	0
	50	25	13.56		0
	50	50	13.48		0
	100	0	13.50		0

Note: LTE Band 4 at 20 MHz bandwidth does 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.

Table 8-96
LTE Band 4 Conducted Powers Ant 3A - 15 MHz Bandwidth

LTE Band 4 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20025 (1717.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20325 (1747.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.72	13.66	13.67	0	0
	1	36	13.82	13.76	13.71		0
	1	74	13.73	13.62	13.63		0
	36	0	13.82	13.78	13.79	0-1	0
	36	18	13.84	13.86	13.80		0
	36	37	13.69	13.84	13.78		0
	75	0	13.79	13.83	13.76		0
16QAM	1	0	13.86	13.82	13.85	0-1	0
	1	36	13.83	13.90	13.76		0
	1	74	13.85	13.84	13.66		0
	36	0	13.90	13.81	13.87	0-2	0
	36	18	13.89	13.89	13.84		0
	36	37	13.74	13.89	13.80		0
	75	0	13.83	13.84	13.79		0
64QAM	1	0	13.37	13.65	13.65	0-2	0
	1	36	13.59	13.64	13.41		0
	1	74	13.65	13.69	13.41		0
	36	0	13.45	13.66	13.48	0-3	0
	36	18	13.46	13.59	13.48		0
	36	37	13.44	13.55	13.36		0
	75	0	13.40	13.54	13.37		0

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Table 8-97
LTE Band 4 Conducted Powers Ant 3A - 10 MHz Bandwidth

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20000 (1715.0 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20350 (1750.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.79	13.76	13.64	0	0
	1	25	13.82	13.79	13.62		0
	1	49	13.75	13.80	13.67		0
	25	0	13.70	13.85	13.76	0-1	0
	25	12	13.76	13.88	13.76		0
	25	25	13.75	13.89	13.80		0
	50	0	13.78	13.88	13.75		0
16QAM	1	0	13.90	13.89	13.77	0-1	0
	1	25	13.90	13.88	13.74		0
	1	49	13.83	13.83	13.86		0
	25	0	13.72	13.90	13.80	0-2	0
	25	12	13.79	13.89	13.80		0
	25	25	13.78	13.90	13.86		0
	50	0	13.75	13.90	13.80		0
64QAM	1	0	13.48	13.71	13.56	0-2	0
	1	25	13.54	13.74	13.44		0
	1	49	13.44	13.86	13.50		0
	25	0	13.41	13.67	13.40	0-3	0
	25	12	13.42	13.58	13.32		0
	25	25	13.43	13.56	13.42		0
	50	0	13.50	13.58	13.36		0

Table 8-98
LTE Band 4 Conducted Powers Ant 3A - 5 MHz Bandwidth

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19975 (1712.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20375 (1752.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.68	13.69	13.80	0	0
	1	12	13.65	13.67	13.83		0
	1	24	13.72	13.77	13.80		0
	12	0	13.58	13.67	13.64	0-1	0
	12	6	13.56	13.68	13.72		0
	12	13	13.62	13.77	13.70		0
	25	0	13.57	13.67	13.72		0
16QAM	1	0	13.86	13.81	13.90	0-1	0
	1	12	13.82	13.76	13.88		0
	1	24	13.85	13.87	13.89		0
	12	0	13.58	13.67	13.69	0-2	0
	12	6	13.57	13.66	13.73		0
	12	13	13.67	13.78	13.74		0
	25	0	13.53	13.66	13.71		0
64QAM	1	0	13.58	13.79	13.46	0-2	0
	1	12	13.45	13.43	13.54		0
	1	24	13.58	13.65	13.55		0
	12	0	13.17	13.44	13.27	0-3	0
	12	6	13.16	13.43	13.37		0
	12	13	13.16	13.38	13.35		0
	25	0	13.10	13.37	13.33		0

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Table 8-99
LTE Band 4 Conducted Powers Ant 3A - 3 MHz Bandwidth

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19965 (1711.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20385 (1753.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.58	13.51	13.56	0	0
	1	7	13.59	13.56	13.60		0
	1	14	13.52	13.64	13.50		0
	8	0	13.44	13.55	13.64	0-1	0
	8	4	13.42	13.54	13.61		0
	8	7	13.44	13.65	13.63		0
	15	0	13.45	13.58	13.61		0
16QAM	1	0	13.81	13.66	13.68	0-1	0
	1	7	13.78	13.65	13.84		0
	1	14	13.79	13.71	13.78		0
	8	0	13.43	13.61	13.63	0-2	0
	8	4	13.43	13.53	13.57		0
	8	7	13.46	13.61	13.59		0
	15	0	13.43	13.50	13.56		0
64QAM	1	0	13.26	13.53	13.34	0-2	0
	1	7	13.34	13.70	13.37		0
	1	14	13.23	13.54	13.36		0
	8	0	13.18	13.23	13.17	0-3	0
	8	4	13.19	13.22	13.17		0
	8	7	13.18	13.18	13.19		0
	15	0	13.12	13.23	13.16		0

Table 8-100
LTE Band 4 Conducted Powers Ant 3A - 1.4 MHz Bandwidth

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19957 (1710.7 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20393 (1754.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.64	13.62	13.75	0	0
	1	2	13.54	13.59	13.69		0
	1	5	13.56	13.62	13.70		0
	3	0	13.44	13.61	13.56		0
	3	2	13.44	13.60	13.54		0
	3	3	13.45	13.60	13.54		0
	6	0	13.42	13.56	13.51	0-1	0
16QAM	1	0	13.83	13.77	13.78	0-1	0
	1	2	13.81	13.76	13.81		0
	1	5	13.74	13.82	13.70		0
	3	0	13.51	13.62	13.73		0
	3	2	13.54	13.59	13.79		0
	3	3	13.53	13.65	13.77		0
	6	0	13.50	13.57	13.54	0-2	0
64QAM	1	0	13.34	13.60	13.71	0-2	0
	1	2	13.49	13.64	13.73		0
	1	5	13.41	13.65	13.44		0
	3	0	13.32	13.48	13.52		0
	3	2	13.35	13.43	13.51		0
	3	3	13.27	13.50	13.43		0
	6	0	13.15	13.24	13.22	0-3	0

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Table 8-101
LTE Band 4 Conducted Powers Ant 3A - 20 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 20 MHz Bandwidth					
Modulation	RB Size	RB Offset	Mid Channel 20175 (1732.5 MHz) Conducted Power [dBm]	MPR Allowed per 3GPP [dB]	MPR [dB]
QPSK	1	0	**10.89**	0	0
	1	50	10.85		0
	1	99	10.75		0
	50	0	10.76	0-1	0
	50	25	10.76		0
	50	50	**10.79**		0
	100	0	10.74		0
16QAM	1	0	10.90	0-1	0
	1	50	10.90		0
	1	99	10.79		0
	50	0	10.47	0-2	0
	50	25	10.43		0
	50	50	10.46		0
	100	0	10.43		0
64QAM	1	0	10.71	0-2	0
	1	50	10.80		0
	1	99	10.54		0
	50	0	10.60	0-3	0
	50	25	10.56		0
	50	50	10.52		0
	100	0	10.53		0

Note: LTE Band 4 at 20 MHz bandwidth does 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.

Table 8-102
LTE Band 4 Conducted Powers Ant 3A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20025 (1717.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20325 (1747.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.60	10.63	10.76	0	0
	1	36	10.50	10.66	10.55		0
	1	74	10.66	10.60	10.43		0
	36	0	10.63	10.77	10.53	0-1	0
	36	18	10.64	10.80	10.48		0
	36	37	10.69	10.70	10.34		0
	75	0	10.65	10.78	10.47		0
16QAM	1	0	10.64	11.03	10.79	0-1	0
	1	36	10.68	10.93	10.65		0
	1	74	10.88	10.65	10.64		0
	36	0	10.47	10.80	10.44	0-2	0
	36	18	10.49	10.65	10.43		0
	36	37	10.54	10.53	10.36		0
	75	0	10.47	10.61	10.40		0
64QAM	1	0	10.49	10.84	10.71	0-2	0
	1	36	10.26	10.70	10.59		0
	1	74	10.90	10.50	10.64		0
	36	0	10.51	10.82	10.47	0-3	0
	36	18	10.47	10.70	10.31		0
	36	37	10.34	10.55	10.18		0
	75	0	10.27	10.62	10.24		0

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Table 8-103
LTE Band 4 Conducted Powers Ant 3A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20000 (1715.0 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20350 (1750.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.64	10.98	10.67	0	0
	1	25	10.55	10.82	10.51		0
	1	49	10.58	10.67	10.80		0
	25	0	10.61	10.90	10.68	0-1	0
	25	12	10.64	10.85	10.60		0
	25	25	10.66	10.75	10.62		0
	50	0	10.67	10.83	10.78		0
16QAM	1	0	10.86	10.87	10.78	0-1	0
	1	25	10.80	10.80	10.64		0
	1	49	10.96	10.75	10.79		0
	25	0	10.56	10.61	10.62	0-2	0
	25	12	10.60	10.53	10.55		0
	25	25	10.62	10.52	10.57		0
	50	0	10.60	10.54	10.54		0
64QAM	1	0	10.80	10.73	10.67	0-2	0
	1	25	10.61	10.62	10.45		0
	1	49	10.91	10.58	10.69		0
	25	0	10.53	10.63	10.65	0-3	0
	25	12	10.56	10.58	10.59		0
	25	25	10.36	10.53	10.64		0
	50	0	10.35	10.55	10.57		0

Table 8-104
LTE Band 4 Conducted Powers Ant 3A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19975 (1712.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20375 (1752.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.40	10.54	10.71	0	0
	1	12	10.32	10.47	10.78		0
	1	24	10.44	10.44	10.84		0
	12	0	10.36	10.65	10.59	0-1	0
	12	6	10.28	10.57	10.65		0
	12	13	10.30	10.49	10.69		0
	25	0	10.30	10.56	10.68		0
16QAM	1	0	10.41	10.85	10.41	0-1	0
	1	12	10.37	10.76	10.44		0
	1	24	10.43	10.70	10.49		0
	12	0	10.31	10.38	10.13	0-2	0
	12	6	10.27	10.34	10.17		0
	12	13	10.26	10.29	10.24		0
	25	0	10.13	10.31	10.22		0
64QAM	1	0	10.23	10.72	10.39	0-2	0
	1	12	10.13	10.66	10.36		0
	1	24	10.14	10.69	10.42		0
	12	0	10.21	10.34	10.13	0-3	0
	12	6	10.13	10.29	10.20		0
	12	13	10.16	10.24	10.23		0
	25	0	10.17	10.33	10.19		0

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Table 8-105
LTE Band 4 Conducted Powers Ant 3A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19965 (1711.5 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20385 (1753.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.62	10.74	10.67	0	0
	1	7	10.76	10.76	10.73		0
	1	14	10.60	10.60	10.69		0
	8	0	10.64	10.74	10.70	0-1	0
	8	4	10.62	10.73	10.68		0
	8	7	10.63	10.67	10.67		0
	15	0	10.63	10.73	10.67		0
16QAM	1	0	10.78	11.03	10.74	0-1	0
	1	7	10.92	11.05	10.79		0
	1	14	10.76	10.85	10.70		0
	8	0	10.43	10.63	10.44	0-2	0
	8	4	10.44	10.54	10.45		0
	8	7	10.47	10.51	10.42		0
	15	0	10.43	10.56	10.40		0
64QAM	1	0	10.68	10.83	10.75	0-2	0
	1	7	10.64	10.86	10.72		0
	1	14	10.63	10.72	10.69		0
	8	0	10.44	10.57	10.44	0-3	0
	8	4	10.45	10.55	10.41		0
	8	7	10.48	10.52	10.42		0
	15	0	10.39	10.53	10.40		0

Table 8-106
LTE Band 4 Conducted Powers Ant 3A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 4 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 19957 (1710.7 MHz)	Mid Channel 20175 (1732.5 MHz)	High Channel 20393 (1754.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.70	10.93	10.77	0	0
	1	2	10.75	10.90	10.74		0
	1	5	10.80	10.94	10.79		0
	3	0	10.63	10.78	10.77		0
	3	2	10.69	10.79	10.74		0
	3	3	10.67	10.80	10.75		0
	6	0	10.63	10.75	10.69	0-1	0
16QAM	1	0	10.79	10.94	10.83	0-1	0
	1	2	10.77	10.83	10.76		0
	1	5	10.84	10.86	10.85		0
	3	0	10.43	10.58	10.66		0
	3	2	10.50	10.53	10.63		0
	3	3	10.59	10.55	10.64		0
	6	0	10.37	10.49	10.56	0-2	0
64QAM	1	0	10.58	10.89	10.76	0-2	0
	1	2	10.57	10.82	10.74		0
	1	5	10.64	10.87	10.82		0
	3	0	10.39	10.59	10.54		0
	3	2	10.44	10.65	10.58		0
	3	3	10.48	10.72	10.62		0
	6	0	10.37	10.49	10.50	0-3	0

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8.3.4 LTE Band 66

Table 8-107
LTE Band 66 Conducted Powers Ant 4 - 20 MHz Bandwidth

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	13.73	13.71	**13.83**	0	0
	1	50	13.68	13.69	13.70		0
	1	99	13.48	13.72	13.71		0
	50	0	13.69	13.73	**13.75**	0-1	0
	50	25	13.72	13.70	13.66		0
	50	50	13.68	13.73	13.73		0
	100	0	13.68	13.62	13.70		0
16QAM	1	0	13.81	13.80	13.82	0-1	0
	1	50	13.69	13.76	13.79		0
	1	99	13.74	13.78	13.81		0
	50	0	13.75	13.77	13.76	0-2	0
	50	25	13.72	13.73	13.69		0
	50	50	13.73	13.74	13.74		0
	100	0	13.70	13.73	13.72		0
64QAM	1	0	13.58	13.64	13.49	0-2	0
	1	50	13.72	13.70	13.52		0
	1	99	13.48	13.53	13.44		0
	50	0	13.53	13.46	13.30	0-3	0
	50	25	13.57	13.49	13.35		0
	50	50	13.56	13.43	13.31		0
	100	0	13.52	13.40	13.28		0

Table 8-108
LTE Band 66 Conducted Powers Ant 4 - 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132047 (1717.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132597 (1772.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.70	13.37	13.27	0	0
	1	36	13.69	13.34	13.30		0
	1	74	13.76	13.33	13.32		0
	36	0	13.61	13.48	13.37	0-1	0
	36	18	13.64	13.47	13.41		0
	36	37	13.67	13.45	13.40		0
	75	0	13.63	13.44	13.40		0
16QAM	1	0	13.83	13.79	13.81	0-1	0
	1	36	13.73	13.73	13.73		0
	1	74	13.69	13.70	13.83		0
	36	0	13.67	13.53	13.39	0-2	0
	36	18	13.69	13.52	13.47		0
	36	37	13.72	13.51	13.43		0
	75	0	13.65	13.48	13.40		0
64QAM	1	0	13.47	13.79	13.38	0-2	0
	1	36	13.64	13.86	13.58		0
	1	74	13.79	13.74	13.65		0
	36	0	13.62	13.66	13.48	0-3	0
	36	18	13.65	13.66	13.47		0
	36	37	13.60	13.65	13.47		0
	75	0	13.60	13.59	13.38		0

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Table 8-109
LTE Band 66 Conducted Powers Ant 4 - 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132022 (1715.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132622 (1775.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.76	13.56	13.51	0	0
	1	25	13.72	13.50	13.57		0
	1	49	13.79	13.35	13.61		0
	25	0	13.86	13.61	13.69	0-1	0
	25	12	13.86	13.62	13.67		0
	25	25	13.87	13.60	13.63		0
	50	0	13.86	13.62	13.68		0
16QAM	1	0	13.77	13.80	13.84	0-1	0
	1	25	13.88	13.70	13.80		0
	1	49	13.90	13.82	13.67		0
	25	0	13.75	13.49	13.52	0-2	0
	25	12	13.72	13.50	13.50		0
	25	25	13.74	13.49	13.47		0
	50	0	13.71	13.47	13.52		0
64QAM	1	0	13.85	13.80	13.65	0-2	0
	1	25	13.81	13.88	13.65		0
	1	49	13.69	13.83	13.86		0
	25	0	13.64	13.65	13.39	0-3	0
	25	12	13.68	13.61	13.45		0
	25	25	13.63	13.67	13.52		0
	50	0	13.66	13.62	13.46		0

Table 8-110
LTE Band 66 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131997 (1712.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132647 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.90	13.56	13.55	0	0
	1	12	13.83	13.57	13.40		0
	1	24	13.87	13.60	13.51		0
	12	0	13.79	13.51	13.60	0-1	0
	12	6	13.79	13.45	13.47		0
	12	13	13.81	13.43	13.50		0
	25	0	13.78	13.47	13.50		0
16QAM	1	0	13.90	13.62	13.62	0-1	0
	1	12	13.71	13.63	13.52		0
	1	24	13.90	13.65	13.57		0
	12	0	13.52	13.34	13.37	0-2	0
	12	6	13.46	13.27	13.28		0
	12	13	13.51	13.27	13.35		0
	25	0	13.49	13.23	13.29		0
64QAM	1	0	13.63	13.60	13.41	0-2	0
	1	12	13.48	13.49	13.58		0
	1	24	13.61	13.53	13.72		0
	12	0	13.37	13.41	13.16	0-3	0
	12	6	13.39	13.36	13.31		0
	12	13	13.37	13.34	13.30		0
	25	0	13.37	13.34	13.23		0

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Table 8-111
LTE Band 66 Conducted Powers Ant 4 - 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131987 (1711.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132657 (1778.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.71	13.44	13.36	0	0
	1	7	13.75	13.46	13.40		0
	1	14	13.70	13.40	13.38		0
	8	0	13.73	13.34	13.45	0-1	0
	8	4	13.63	13.32	13.39		0
	8	7	13.74	13.33	13.49		0
	15	0	13.66	13.33	13.38		0
16QAM	1	0	13.75	13.47	13.52	0-1	0
	1	7	13.58	13.71	13.64		0
	1	14	13.71	13.59	13.46		0
	8	0	13.47	13.23	13.23	0-2	0
	8	4	13.60	13.18	13.25		0
	8	7	13.46	13.18	13.26		0
	15	0	13.47	13.19	13.15		0
64QAM	1	0	13.42	13.69	13.28	0-2	0
	1	7	13.57	13.65	13.46		0
	1	14	13.64	13.54	13.48		0
	8	0	13.28	13.35	13.24	0-3	0
	8	4	13.28	13.34	13.21		0
	8	7	13.25	13.33	13.25		0
	15	0	13.25	13.30	13.17		0

Table 8-112
LTE Band 66 Conducted Powers Ant 4 - 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131979 (1710.7 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132665 (1779.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.70	13.49	13.71	0	0
	1	2	13.69	13.44	13.68		0
	1	5	13.71	13.47	13.72		0
	3	0	13.72	13.41	13.55		0
	3	2	13.73	13.40	13.53		0
	3	3	13.71	13.42	13.56		0
	6	0	13.69	13.37	13.49	0-1	0
16QAM	1	0	13.83	13.59	13.54	0-1	0
	1	2	13.90	13.62	13.57		0
	1	5	13.84	13.65	13.52		0
	3	0	13.71	13.35	13.33		0
	3	2	13.64	13.31	13.44		0
	3	3	13.71	13.41	13.35		0
	6	0	13.64	13.14	13.22	0-2	0
64QAM	1	0	13.85	13.57	13.74	0-2	0
	1	2	13.57	13.60	13.67		0
	1	5	13.76	13.44	13.61		0
	3	0	13.45	13.36	13.55		0
	3	2	13.45	13.26	13.61		0
	3	3	13.42	13.39	13.66		0
	6	0	13.40	13.26	13.29	0-3	0

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Table 8-113
LTE Band 66 Conducted Powers Ant 4 - 20 MHz Bandwidth, Inter-band ULCA Active

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	10.86	10.50	11.05	0	0
	1	50	**11.07**	10.93	10.89		0
	1	99	10.53	10.77	10.91		0
	50	0	10.94	10.62	10.83	0-1	0
	50	25	**11.08**	10.71	10.85		0
	50	50	10.91	10.73	10.86		0
	100	0	11.06	10.79	10.78		0
16QAM	1	0	10.88	10.48	10.61	0-1	0
	1	50	11.04	10.63	10.59		0
	1	99	10.53	10.59	10.76		0
	50	0	10.55	10.30	10.43	0-2	0
	50	25	10.73	10.41	10.37		0
	50	50	10.59	10.46	10.41		0
	100	0	10.69	10.38	10.33		0
64QAM	1	0	10.87	10.01	10.74	0-2	0
	1	50	10.97	10.24	10.83		0
	1	99	10.25	10.29	10.75		0
	50	0	10.52	10.00	10.48	0-3	0
	50	25	10.64	9.98	10.42		0
	50	50	10.41	10.04	10.45		0
	100	0	10.61	9.96	10.34		0

Table 8-114
LTE Band 66 Conducted Powers Ant 4 - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132047 (1717.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132597 (1772.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.85	10.19	10.77	0	0
	1	36	11.01	10.30	10.92		0
	1	74	10.83	10.39	10.86		0
	36	0	10.82	10.21	10.77	0-1	0
	36	18	10.98	10.33	10.87		0
	36	37	10.93	10.47	10.85		0
	75	0	10.89	10.37	10.82		0
16QAM	1	0	10.87	10.00	10.64	0-1	0
	1	36	10.90	10.13	10.83		0
	1	74	10.70	10.32	10.78		0
	36	0	10.70	10.11	10.49	0-2	0
	36	18	10.79	10.20	10.61		0
	36	37	10.75	10.28	10.58		0
	75	0	10.77	10.20	10.56		0
64QAM	1	0	10.67	9.92	10.33	0-2	0
	1	36	10.95	10.01	10.51		0
	1	74	10.58	10.10	10.54		0
	36	0	10.39	9.72	10.27	0-3	0
	36	18	10.53	9.79	10.37		0
	36	37	10.52	9.92	10.36		0
	75	0	10.50	9.97	10.31		0

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Table 8-115
LTE Band 66 Conducted Powers Ant 4 - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132022 (1715.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132622 (1775.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.01	10.20	10.65	0	0
	1	25	10.95	10.21	10.72		0
	1	49	11.00	10.26	10.76		0
	25	0	10.89	10.13	10.69	0-1	0
	25	12	10.87	10.15	10.66		0
	25	25	10.92	10.31	10.75		0
	50	0	10.87	10.24	10.66		0
16QAM	1	0	11.04	10.22	10.70	0-1	0
	1	25	11.07	10.26	10.73		0
	1	49	10.90	10.45	10.91		0
	25	0	10.75	10.09	10.60	0-2	0
	25	12	10.76	10.16	10.60		0
	25	25	10.79	10.32	10.69		0
	50	0	10.74	10.20	10.57		0
64QAM	1	0	10.74	10.34	10.67	0-2	0
	1	25	10.67	10.22	10.63		0
	1	49	10.67	10.44	10.76		0
	25	0	10.43	9.92	10.33	0-3	0
	25	12	10.40	9.99	10.30		0
	25	25	10.45	10.13	10.58		0
	50	0	10.44	10.06	10.52		0

Table 8-116
LTE Band 66 Conducted Powers Ant 4 - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131997 (1712.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132647 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.00	10.22	10.94	0	0
	1	12	10.99	10.28	10.95		0
	1	24	10.89	10.36	10.95		0
	12	0	10.77	10.22	10.61	0-1	0
	12	6	10.80	10.19	10.66		0
	12	13	10.70	10.25	10.64		0
	25	0	10.81	10.25	10.64		0
16QAM	1	0	10.86	10.16	10.99	0-1	0
	1	12	10.97	10.12	10.93		0
	1	24	10.89	10.25	10.92		0
	12	0	10.58	9.86	10.45	0-2	0
	12	6	10.57	9.86	10.45		0
	12	13	10.49	10.00	10.46		0
	25	0	10.49	9.93	10.48		0
64QAM	1	0	10.65	10.17	10.62	0-2	0
	1	12	10.60	10.10	10.37		0
	1	24	10.58	10.25	10.42		0
	12	0	10.25	9.77	10.21	0-3	0
	12	6	10.33	9.79	10.26		0
	12	13	10.19	9.83	10.21		0
	25	0	10.25	9.79	10.20		0

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Table 8-117
LTE Band 66 Conducted Powers Ant 4 - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131987 (1711.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132657 (1778.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.79	10.02	10.72	0	0
	1	7	10.82	10.13	10.76		0
	1	14	10.79	10.13	10.70		0
	8	0	10.69	9.99	10.69	0-1	0
	8	4	10.65	10.03	10.69		0
	8	7	10.70	10.06	10.69		0
	15	0	10.66	10.06	10.65		0
16QAM	1	0	10.71	9.92	10.51	0-1	0
	1	7	10.81	10.10	10.50		0
	1	14	10.84	10.10	10.37		0
	8	0	10.38	9.85	10.36	0-2	0
	8	4	10.35	9.93	10.29		0
	8	7	10.40	9.90	10.29		0
	15	0	10.36	9.77	10.24		0
64QAM	1	0	10.43	9.63	10.57	0-2	0
	1	7	10.54	10.05	10.47		0
	1	14	10.38	9.89	10.56		0
	8	0	10.21	9.42	10.31	0-3	0
	8	4	10.18	9.50	10.27		0
	8	7	10.21	9.51	10.22		0
	15	0	10.18	9.49	10.29		0

Table 8-118
LTE Band 66 Conducted Powers Ant 4 - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131979 (1710.7 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132665 (1779.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.87	10.23	10.87	0	0
	1	2	10.86	10.19	10.84		0
	1	5	10.86	10.31	10.86		0
	3	0	10.74	10.17	10.65		0
	3	2	10.68	10.22	10.66		0
	3	3	10.69	10.23	10.66		0
	6	0	10.69	10.12	10.61	0-1	0
16QAM	1	0	10.83	10.30	10.74	0-1	0
	1	2	10.73	10.32	10.92		0
	1	5	10.81	10.26	10.90		0
	3	0	10.65	9.81	10.72		0
	3	2	10.72	9.96	10.68		0
	3	3	10.68	9.98	10.57		0
	6	0	10.42	9.87	10.55	0-2	0
64QAM	1	0	10.50	9.90	10.65	0-2	0
	1	2	10.65	9.83	10.35		0
	1	5	10.60	10.13	10.73		0
	3	0	10.49	9.68	10.38		0
	3	2	10.41	9.78	10.36		0
	3	3	10.55	9.80	10.31		0
	6	0	10.33	9.59	10.15	0-3	0

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Table 8-119
LTE Band 66 Conducted Powers Ant 2A - 20 MHz Bandwidth

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	14.99	15.06	14.77	0	0
	1	50	15.04	14.80	14.81		0
	1	99	**15.07**	14.90	14.91		0
	50	0	14.99	14.98	14.71	0-1	0
	50	25	**15.10**	14.75	14.78		0
	50	50	14.95	14.75	14.87		0
	100	0	15.04	14.69	14.78		0
16QAM	1	0	15.09	14.89	14.73	0-1	0
	1	50	15.10	14.70	14.62		0
	1	99	15.14	14.73	14.72		0
	50	0	14.73	14.61	14.52	0-2	0
	50	25	14.79	14.52	14.54		0
	50	50	14.70	14.52	14.61		0
	100	0	14.80	14.51	14.58		0
64QAM	1	0	15.10	15.30	14.90	0-2	0
	1	50	15.00	15.20	14.95		0
	1	99	15.04	15.25	15.00		0
	50	0	15.03	14.91	14.89	0-3	0
	50	25	15.01	14.90	14.82		0
	50	50	15.00	14.89	14.83		0
	100	0	14.93	14.92	14.92		0

Table 8-120
LTE Band 66 Conducted Powers Ant 2A - 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132047 (1717.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132597 (1772.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.09	14.81	14.79	0	0
	1	36	15.12	14.76	14.79		0
	1	74	15.06	14.63	14.78		0
	36	0	14.96	14.84	14.82	0-1	0
	36	18	15.07	14.79	14.84		0
	36	37	15.02	14.71	14.84		0
	75	0	15.00	14.75	14.83		0
16QAM	1	0	15.30	15.14	15.08	0-1	0
	1	36	15.27	15.08	14.99		0
	1	74	15.18	14.98	15.13		0
	36	0	14.97	14.95	14.92	0-2	0
	36	18	15.09	14.91	14.97		0
	36	37	15.08	14.79	14.93		0
	75	0	15.06	14.81	14.91		0
64QAM	1	0	15.25	15.06	15.05	0-2	0
	1	36	15.21	15.16	15.14		0
	1	74	15.00	15.11	15.08		0
	36	0	15.05	14.97	14.95	0-3	0
	36	18	15.13	15.03	15.09		0
	36	37	15.07	15.04	15.05		0
	75	0	15.08	14.97	15.03		0

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Table 8-121
LTE Band 66 Conducted Powers Ant 2A - 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132022 (1715.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132622 (1775.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.90	14.81	14.84	0	0
	1	25	14.86	14.64	14.83		0
	1	49	15.01	14.67	14.88		0
	25	0	14.97	14.91	14.91	0-1	0
	25	12	14.99	14.84	14.92		0
	25	25	15.04	14.76	14.93		0
	50	0	15.01	14.77	14.90		0
16QAM	1	0	15.30	15.10	15.11	0-1	0
	1	25	15.14	15.04	15.00		0
	1	49	15.30	14.88	15.19		0
	25	0	15.02	14.96	14.90	0-2	0
	25	12	15.04	14.89	14.92		0
	25	25	15.13	14.78	14.92		0
	50	0	15.07	14.82	14.92		0
64QAM	1	0	15.17	15.10	15.18	0-2	0
	1	25	15.12	15.15	15.19		0
	1	49	15.18	15.19	15.25		0
	25	0	15.07	14.96	15.14	0-3	0
	25	12	15.01	15.01	15.13		0
	25	25	15.08	15.06	15.13		0
	50	0	15.03	15.02	15.10		0

Table 8-122
LTE Band 66 Conducted Powers Ant 2A - 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131997 (1712.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132647 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.90	14.88	14.55	0	0
	1	12	14.88	14.70	14.56		0
	1	24	14.82	14.72	14.70		0
	12	0	14.85	14.68	14.66	0-1	0
	12	6	14.84	14.66	14.69		0
	12	13	14.83	14.60	14.70		0
	25	0	14.84	14.63	14.69		0
16QAM	1	0	15.04	15.18	14.99	0-1	0
	1	12	15.03	14.97	15.02		0
	1	24	15.04	14.95	15.08		0
	12	0	14.81	14.70	14.69	0-2	0
	12	6	14.82	14.67	14.72		0
	12	13	14.82	14.61	14.76		0
	25	0	14.79	14.64	14.68		0
64QAM	1	0	15.16	14.95	15.18	0-2	0
	1	12	15.06	14.96	15.24		0
	1	24	14.98	15.05	15.30		0
	12	0	14.89	14.83	14.92	0-3	0
	12	6	14.84	14.84	14.92		0
	12	13	14.80	14.87	14.93		0
	25	0	14.84	14.81	14.90		0

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Table 8-123
LTE Band 66 Conducted Powers Ant 2A - 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131987 (1711.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132657 (1778.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.63	14.64	14.51	0	0
	1	7	14.68	14.63	14.56		0
	1	14	14.65	14.59	14.58		0
	8	0	14.66	14.59	14.60	0-1	0
	8	4	14.65	14.50	14.60		0
	8	7	14.65	14.51	14.61		0
	15	0	14.68	14.50	14.63		0
16QAM	1	0	15.02	15.12	15.03	0-1	0
	1	7	14.89	14.81	14.90		0
	1	14	14.88	14.85	15.07		0
	8	0	14.68	14.57	14.59	0-2	0
	8	4	14.71	14.48	14.62		0
	8	7	14.72	14.52	14.59		0
	15	0	14.73	14.52	14.56		0
64QAM	1	0	15.05	14.93	15.09	0-2	0
	1	7	15.11	14.94	15.05		0
	1	14	15.02	15.00	15.05		0
	8	0	14.80	14.70	14.78	0-3	0
	8	4	14.76	14.71	14.80		0
	8	7	14.75	14.75	14.78		0
	15	0	14.74	14.66	14.75		0

Table 8-124
LTE Band 66 Conducted Powers Ant 2A - 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131979 (1710.7 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132665 (1779.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.82	14.69	14.92	0	0
	1	2	14.79	14.68	14.87		0
	1	5	14.77	14.62	14.93		0
	3	0	14.74	14.62	14.68		0
	3	2	14.75	14.54	14.64		0
	3	3	14.75	14.56	14.74		0
	6	0	14.69	14.49	14.61	0-1	0
16QAM	1	0	14.95	14.87	15.00	0-1	0
	1	2	14.93	15.01	15.08		0
	1	5	15.19	14.98	15.10		0
	3	0	14.92	14.78	14.80		0
	3	2	14.88	14.71	14.77		0
	3	3	14.89	14.68	14.85		0
	6	0	14.77	14.53	14.70	0-2	0
64QAM	1	0	15.13	15.03	15.13	0-2	0
	1	2	15.15	15.02	15.19		0
	1	5	15.09	15.06	15.21		0
	3	0	14.93	14.89	15.08		0
	3	2	14.95	14.89	15.06		0
	3	3	14.92	14.89	15.08		0
	6	0	14.85	14.75	14.81	0-3	0

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Table 8-125
LTE Band 66 Conducted Powers Ant 2A - 20 MHz Bandwidth, Inter-band ULCA Active

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	12.09	11.83	**12.14**	0	0
	1	50	11.90	11.76	11.98		0
	1	99	11.80	11.74	11.97		0
	50	0	12.00	11.88	**12.03**	0-1	0
	50	25	11.95	11.87	11.99		0
	50	50	11.78	11.87	12.00		0
	100	0	11.94	11.88	11.96		0
16QAM	1	0	12.04	11.80	12.26	0-1	0
	1	50	11.86	11.77	12.14		0
	1	99	11.84	11.90	12.20		0
	50	0	11.82	11.67	11.78	0-2	0
	50	25	11.66	11.75	11.77		0
	50	50	11.52	11.81	11.81		0
	100	0	11.66	11.72	11.72		0
64QAM	1	0	12.20	11.66	12.28	0-2	0
	1	50	12.12	11.67	12.04		0
	1	99	12.02	11.58	11.86		0
	50	0	11.81	11.68	11.93	0-3	0
	50	25	11.80	11.67	11.50		0
	50	50	11.69	11.69	11.80		0
	100	0	11.82	11.72	11.82		0

Table 8-126
LTE Band 66 Conducted Powers Ant 2A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132047 (1717.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132597 (1772.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.82	11.98	11.63	0	0
	1	36	11.78	11.97	11.69		0
	1	74	11.65	11.86	11.77		0
	36	0	11.93	11.95	11.69	0-1	0
	36	18	11.93	11.90	11.80		0
	36	37	11.80	11.93	11.91		0
	75	0	11.87	11.85	11.77		0
16QAM	1	0	12.10	11.80	12.19	0-1	0
	1	36	12.18	11.81	12.09		0
	1	74	12.10	11.92	11.97		0
	36	0	11.94	11.63	11.72	0-2	0
	36	18	11.94	11.72	11.80		0
	36	37	11.79	11.75	11.87		0
	75	0	11.89	11.67	11.75		0
64QAM	1	0	12.00	11.59	12.02	0-2	0
	1	36	12.03	11.66	12.01		0
	1	74	12.09	11.56	12.02		0
	36	0	11.92	11.67	11.78	0-3	0
	36	18	11.92	11.74	11.87		0
	36	37	11.74	11.75	11.90		0
	75	0	11.86	11.65	11.79		0

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Table 8-127
LTE Band 66 Conducted Powers Ant 2A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132022 (1715.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132622 (1775.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.94	11.84	11.76	0	0
	1	25	11.79	11.78	11.80		0
	1	49	11.76	11.75	11.92		0
	25	0	11.92	11.87	11.86	0-1	0
	25	12	11.98	11.85	11.88		0
	25	25	11.96	11.93	12.01		0
	50	0	11.96	11.82	11.88		0
16QAM	1	0	12.07	11.98	12.14	0-1	0
	1	25	11.94	11.59	12.30		0
	1	49	11.86	11.92	12.17		0
	25	0	11.77	11.71	11.98	0-2	0
	25	12	11.72	11.60	11.91		0
	25	25	11.71	11.70	11.95		0
	50	0	11.72	11.60	11.92		0
64QAM	1	0	11.95	12.04	12.21	0-2	0
	1	25	11.79	11.72	12.23		0
	1	49	11.74	11.82	12.08		0
	25	0	11.73	11.77	11.97	0-3	0
	25	12	11.69	11.59	11.97		0
	25	25	11.68	11.74	11.99		0
	50	0	11.75	11.60	11.94		0

Table 8-128
LTE Band 66 Conducted Powers Ant 2A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131997 (1712.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132647 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.87	11.97	11.73	0	0
	1	12	11.75	11.95	11.84		0
	1	24	11.83	12.10	11.85		0
	12	0	11.78	11.87	11.93	0-1	0
	12	6	11.69	11.91	11.97		0
	12	13	11.71	11.86	11.99		0
	25	0	11.68	11.86	12.02		0
16QAM	1	0	12.27	11.97	12.03	0-1	0
	1	12	12.29	11.71	12.08		0
	1	24	11.89	11.94	12.03		0
	12	0	11.72	11.57	11.73	0-2	0
	12	6	11.68	11.57	11.76		0
	12	13	11.67	11.57	11.78		0
	25	0	11.63	11.53	11.73		0
64QAM	1	0	11.82	12.00	11.97	0-2	0
	1	12	11.88	11.65	12.12		0
	1	24	11.89	11.89	11.95		0
	12	0	11.70	11.49	11.71	0-3	0
	12	6	11.70	11.55	11.68		0
	12	13	11.69	11.57	11.70		0
	25	0	11.63	11.53	11.74		0

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Table 8-129
LTE Band 66 Conducted Powers Ant 2A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131987 (1711.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132657 (1778.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.89	11.56	11.82	0	0
	1	7	11.91	11.74	11.83		0
	1	14	11.76	11.64	11.81		0
	8	0	11.87	11.66	11.88	0-1	0
	8	4	11.81	11.70	11.89		0
	8	7	11.80	11.69	11.90		0
	15	0	11.81	11.70	11.92		0
16QAM	1	0	11.94	11.59	12.26	0-1	0
	1	7	11.74	11.60	12.23		0
	1	14	11.67	11.72	12.03		0
	8	0	11.52	11.35	11.69	0-2	0
	8	4	11.50	11.37	11.66		0
	8	7	11.45	11.47	11.69		0
	15	0	11.44	11.34	11.64		0
64QAM	1	0	11.55	11.68	11.89	0-2	0
	1	7	11.79	11.48	11.91		0
	1	14	11.67	11.83	11.85		0
	8	0	11.50	11.37	11.73	0-3	0
	8	4	11.47	11.39	11.69		0
	8	7	11.44	11.35	11.76		0
	15	0	11.37	11.33	11.62		0

Table 8-130
LTE Band 66 Conducted Powers Ant 2A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131979 (1710.7 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132665 (1779.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.83	11.63	11.99	0	0
	1	2	11.79	11.60	11.99		0
	1	5	11.84	11.66	12.00		0
	3	0	11.74	11.66	11.86		0
	3	2	11.80	11.66	11.86		0
	3	3	11.79	11.67	11.87		0
	6	0	11.70	11.61	11.86	0-1	0
16QAM	1	0	12.11	11.75	11.89	0-1	0
	1	2	11.97	11.64	11.88		0
	1	5	11.91	11.83	12.02		0
	3	0	11.73	11.58	11.65		0
	3	2	11.62	11.50	11.54		0
	3	3	11.73	11.64	11.58		0
	6	0	11.51	11.52	11.58	0-2	0
64QAM	1	0	11.88	11.77	11.87	0-2	0
	1	2	11.97	11.70	11.79		0
	1	5	11.84	11.79	12.01		0
	3	0	11.66	11.54	11.87		0
	3	2	11.69	11.51	11.81		0
	3	3	11.66	11.54	11.77		0
	6	0	11.50	11.50	11.54	0-3	0

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Table 8-131
LTE Band 66 Conducted Powers Ant 1A - 20 MHz Bandwidth

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	14.58	14.70	14.44	0	0
	1	50	14.67	14.60	14.19		0
	1	99	**14.73**	14.45	14.32		0
	50	0	14.64	14.63	14.48	0-1	0
	50	25	14.65	14.58	14.36		0
	50	50	**14.68**	14.47	14.44		0
	100	0	14.67	14.57	14.37		0
16QAM	1	0	14.73	14.71	14.65	0-1	0
	1	50	14.77	14.49	14.41		0
	1	99	14.80	14.32	14.36		0
	50	0	14.53	14.46	14.25	0-2	0
	50	25	14.53	14.39	14.15		0
	50	50	14.50	14.31	14.21		0
	100	0	14.49	14.36	14.13		0
64QAM	1	0	14.56	14.56	14.66	0-2	0
	1	50	14.60	14.40	14.33		0
	1	99	14.73	14.40	14.45		0
	50	0	14.53	14.43	14.24	0-3	0
	50	25	14.53	14.40	14.16		0
	50	50	14.56	14.32	14.21		0
	100	0	14.50	14.37	14.13		0

Table 8-132
LTE Band 66 Conducted Powers Ant 1A - 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132047 (1717.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132597 (1772.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.61	14.30	14.14	0	0
	1	36	14.59	14.26	14.18		0
	1	74	14.48	14.12	14.13		0
	36	0	14.45	14.42	14.23	0-1	0
	36	18	14.43	14.34	14.29		0
	36	37	14.38	14.24	14.25		0
	75	0	14.41	14.30	14.25		0
16QAM	1	0	14.64	14.66	14.48	0-1	0
	1	36	14.54	14.53	14.54		0
	1	74	14.37	14.40	14.47		0
	36	0	14.48	14.44	14.28	0-2	0
	36	18	14.47	14.40	14.32		0
	36	37	14.45	14.34	14.33		0
	75	0	14.44	14.31	14.28		0
64QAM	1	0	14.63	14.56	14.36	0-2	0
	1	36	14.70	14.55	14.54		0
	1	74	14.53	14.36	14.42		0
	36	0	14.52	14.45	14.31	0-3	0
	36	18	14.53	14.39	14.35		0
	36	37	14.45	14.30	14.34		0
	75	0	14.45	14.33	14.30		0

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Table 8-133
LTE Band 66 Conducted Powers Ant 1A - 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132022 (1715.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132622 (1775.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.48	14.49	14.23	0	0
	1	25	14.39	14.36	14.29		0
	1	49	14.33	14.27	14.28		0
	25	0	14.51	14.56	14.38	0-1	0
	25	12	14.47	14.44	14.38		0
	25	25	14.46	14.36	14.39		0
	50	0	14.47	14.45	14.36		0
16QAM	1	0	14.80	14.80	14.54	0-1	0
	1	25	14.71	14.77	14.68		0
	1	49	14.69	14.62	14.69		0
	25	0	14.59	14.54	14.42	0-2	0
	25	12	14.54	14.52	14.40		0
	25	25	14.52	14.38	14.44		0
	50	0	14.57	14.44	14.42		0
64QAM	1	0	14.80	14.78	14.45	0-2	0
	1	25	14.61	14.62	14.53		0
	1	49	14.71	14.46	14.65		0
	25	0	14.58	14.54	14.48	0-3	0
	25	12	14.56	14.51	14.40		0
	25	25	14.51	14.40	14.45		0
	50	0	14.56	14.48	14.41		0

Table 8-134
LTE Band 66 Conducted Powers Ant 1A - 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131997 (1712.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132647 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.44	14.67	14.23	0	0
	1	12	14.40	14.57	14.17		0
	1	24	14.39	14.53	14.22		0
	12	0	14.50	14.50	14.34	0-1	0
	12	6	14.49	14.48	14.32		0
	12	13	14.47	14.47	14.31		0
	25	0	14.49	14.49	14.35		0
16QAM	1	0	14.80	14.80	14.63	0-1	0
	1	12	14.80	14.80	14.49		0
	1	24	14.73	14.80	14.68		0
	12	0	14.52	14.50	14.35	0-2	0
	12	6	14.46	14.50	14.34		0
	12	13	14.49	14.53	14.35		0
	25	0	14.49	14.44	14.32		0
64QAM	1	0	14.80	14.80	14.49	0-2	0
	1	12	14.80	14.67	14.67		0
	1	24	14.73	14.47	14.53		0
	12	0	14.49	14.49	14.30	0-3	0
	12	6	14.47	14.45	14.32		0
	12	13	14.45	14.46	14.27		0
	25	0	14.47	14.42	14.28		0

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Table 8-135
LTE Band 66 Conducted Powers Ant 1A - 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131987 (1711.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132657 (1778.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.34	14.46	14.14	0	0
	1	7	14.39	14.51	14.18		0
	1	14	14.34	14.45	14.18		0
	8	0	14.36	14.42	14.23	0-1	0
	8	4	14.37	14.37	14.21		0
	8	7	14.39	14.39	14.21		0
	15	0	14.40	14.42	14.25		0
16QAM	1	0	14.70	14.80	14.57	0-1	0
	1	7	14.63	14.80	14.77		0
	1	14	14.65	14.68	14.67		0
	8	0	14.37	14.40	14.22	0-2	0
	8	4	14.47	14.40	14.22		0
	8	7	14.46	14.39	14.18		0
	15	0	14.33	14.35	14.20		0
64QAM	1	0	14.60	14.69	14.60	0-2	0
	1	7	14.73	14.79	14.52		0
	1	14	14.65	14.72	14.50		0
	8	0	14.40	14.42	14.22	0-3	0
	8	4	14.37	14.35	14.17		0
	8	7	14.36	14.37	14.18		0
	15	0	14.31	14.32	14.16		0

Table 8-136
LTE Band 66 Conducted Powers Ant 1A - 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131979 (1710.7 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132665 (1779.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.27	14.33	14.26	0	0
	1	2	14.22	14.30	14.24		0
	1	5	14.26	14.33	14.33		0
	3	0	14.27	14.25	14.11		0
	3	2	14.26	14.24	14.11		0
	3	3	14.29	14.26	14.22		0
	6	0	14.26	14.21	14.15	0-1	0
16QAM	1	0	14.62	14.73	14.28	0-1	0
	1	2	14.57	14.64	14.19		0
	1	5	14.61	14.57	14.49		0
	3	0	14.41	14.36	14.22		0
	3	2	14.40	14.25	14.15		0
	3	3	14.49	14.37	14.25		0
	6	0	14.30	14.14	14.16	0-2	0
64QAM	1	0	14.74	14.60	14.34	0-2	0
	1	2	14.46	14.55	14.56		0
	1	5	14.58	14.57	14.56		0
	3	0	14.40	14.31	14.30		0
	3	2	14.42	14.34	14.27		0
	3	3	14.43	14.31	14.41		0
	6	0	14.32	14.17	14.10	0-3	0

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Table 8-137
LTE Band 66 Conducted Powers Ant 1A - 20 MHz Bandwidth, Inter-band ULCA Active

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	11.49	11.70	11.66	0	0
	1	50	11.65	11.73	11.47		0
	1	99	**11.80**	11.77	11.49		0
	50	0	11.54	11.64	**11.73**	0-1	0
	50	25	11.66	11.63	11.53		0
	50	50	11.61	11.58	11.40		0
	100	0	11.69	11.67	11.50		0
16QAM	1	0	11.24	11.80	11.58	0-1	0
	1	50	11.44	11.55	11.44		0
	1	99	11.59	11.46	11.18		0
	50	0	11.15	11.32	11.32	0-2	0
	50	25	11.33	11.21	11.10		0
	50	50	11.24	11.22	10.91		0
	100	0	11.18	11.20	11.06		0
64QAM	1	0	11.10	11.57	11.52	0-2	0
	1	50	11.36	11.32	11.46		0
	1	99	11.57	11.21	11.21		0
	50	0	10.96	11.33	11.34	0-3	0
	50	25	11.75	11.23	11.11		0
	50	50	11.07	11.21	10.92		0
	100	0	11.33	11.18	11.07		0

Table 8-138
LTE Band 66 Conducted Powers Ant 1A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132047 (1717.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132597 (1772.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.58	11.46	11.45	0	0
	1	36	11.66	11.43	11.36		0
	1	74	11.67	11.21	11.33		0
	36	0	11.52	11.57	11.44	0-1	0
	36	18	11.59	11.53	11.49		0
	36	37	11.59	11.41	11.46		0
	75	0	11.56	11.59	11.45		0
16QAM	1	0	11.41	11.28	11.40	0-1	0
	1	36	11.50	11.47	11.24		0
	1	74	11.51	11.30	11.18		0
	36	0	11.28	11.19	10.90	0-2	0
	36	18	11.31	11.28	10.95		0
	36	37	11.33	11.18	10.98		0
	75	0	11.27	11.20	10.91		0
64QAM	1	0	11.22	11.42	11.04	0-2	0
	1	36	11.38	11.49	11.13		0
	1	74	11.49	11.26	11.11		0
	36	0	11.22	11.22	10.93	0-3	0
	36	18	11.28	11.29	11.00		0
	36	37	11.34	11.21	11.01		0
	75	0	11.26	11.19	10.94		0

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Table 8-139
LTE Band 66 Conducted Powers Ant 1A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132022 (1715.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132622 (1775.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.54	11.55	11.43	0	0
	1	25	11.45	11.47	11.28		0
	1	49	11.50	11.27	11.23		0
	25	0	11.53	11.59	11.41	0-1	0
	25	12	11.54	11.57	11.37		0
	25	25	11.58	11.46	11.35		0
	50	0	11.56	11.56	11.36		0
16QAM	1	0	11.42	11.20	11.23	0-1	0
	1	25	11.63	11.30	11.24		0
	1	49	11.45	11.16	11.28		0
	25	0	11.14	11.18	10.97	0-2	0
	25	12	11.20	11.20	11.01		0
	25	25	11.26	11.13	11.02		0
	50	0	11.10	11.19	11.00		0
64QAM	1	0	11.04	11.18	11.27	0-2	0
	1	25	11.02	11.30	11.33		0
	1	49	11.17	11.22	11.31		0
	25	0	10.89	11.24	10.99	0-3	0
	25	12	11.01	11.22	10.98		0
	25	25	11.02	11.21	11.05		0
	50	0	11.01	11.23	11.04		0

Table 8-140
LTE Band 66 Conducted Powers Ant 1A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131997 (1712.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132647 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.44	11.72	11.28	0	0
	1	12	11.29	11.70	11.21		0
	1	24	11.51	11.71	11.27		0
	12	0	11.46	11.59	11.18	0-1	0
	12	6	11.41	11.59	11.19		0
	12	13	11.52	11.59	11.16		0
	25	0	11.47	11.58	11.20		0
16QAM	1	0	11.08	11.53	11.44	0-1	0
	1	12	11.33	11.56	11.20		0
	1	24	11.61	11.76	11.41		0
	12	0	11.11	11.25	10.99	0-2	0
	12	6	11.11	11.22	11.05		0
	12	13	11.17	11.26	11.04		0
	25	0	11.07	11.23	11.01		0
64QAM	1	0	11.53	11.41	11.51	0-2	0
	1	12	11.45	11.24	11.25		0
	1	24	11.33	11.46	11.24		0
	12	0	11.04	11.23	10.92	0-3	0
	12	6	11.04	11.20	11.00		0
	12	13	11.13	11.23	10.90		0
	25	0	11.08	11.23	10.97		0

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Table 8-141
LTE Band 66 Conducted Powers Ant 1A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131987 (1711.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132657 (1778.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.38	11.39	11.21	0	0
	1	7	11.34	11.43	11.22		0
	1	14	11.28	11.42	11.26		0
	8	0	11.31	11.43	11.24	0-1	0
	8	4	11.26	11.41	11.27		0
	8	7	11.29	11.44	11.26		0
	15	0	11.30	11.45	11.24		0
16QAM	1	0	11.35	11.61	10.94	0-1	0
	1	7	11.29	11.52	11.22		0
	1	14	11.05	11.46	11.05		0
	8	0	10.90	11.36	10.80	0-2	0
	8	4	10.84	11.30	10.85		0
	8	7	10.87	11.30	10.86		0
	15	0	10.87	11.26	10.85		0
64QAM	1	0	11.11	11.62	11.23	0-2	0
	1	7	11.09	11.72	11.30		0
	1	14	11.02	11.48	11.09		0
	8	0	10.95	11.35	10.92	0-3	0
	8	4	10.85	11.37	10.87		0
	8	7	10.91	11.30	10.87		0
	15	0	10.82	11.20	10.78		0

Table 8-142
LTE Band 66 Conducted Powers Ant 1A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131979 (1710.7 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132665 (1779.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.49	11.75	11.06	0	0
	1	2	11.47	11.72	11.30		0
	1	5	11.41	11.75	11.43		0
	3	0	11.44	11.58	11.14		0
	3	2	11.44	11.58	11.15		0
	3	3	11.38	11.57	11.28		0
	6	0	11.37	11.51	11.10	0-1	0
16QAM	1	0	11.10	11.21	11.36	0-1	0
	1	2	11.41	11.53	11.33		0
	1	5	11.29	11.61	11.41		0
	3	0	11.25	11.28	11.11		0
	3	2	11.12	11.41	11.14		0
	3	3	11.00	11.33	11.18		0
	6	0	11.11	11.27	10.94	0-2	0
64QAM	1	0	11.48	11.60	11.26	0-2	0
	1	2	11.53	11.31	11.40		0
	1	5	11.39	11.60	11.40		0
	3	0	11.33	11.56	11.12		0
	3	2	11.33	11.53	11.09		0
	3	3	11.40	11.49	11.17		0
	6	0	11.12	11.23	10.93	0-3	0

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Table 8-143
LTE Band 66 Conducted Powers Ant 3A - 20 MHz Bandwidth

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	**13.90**	13.81	13.32	0	0
	1	50	13.87	13.74	13.23		0
	1	99	13.89	13.50	13.48		0
	50	0	13.84	13.74	13.43	0-1	0
	50	25	**13.86**	13.75	13.40		0
	50	50	13.85	13.66	13.50		0
	100	0	13.85	13.66	13.39		0
16QAM	1	0	13.87	13.68	13.41	0-1	0
	1	50	13.81	13.65	13.35		0
	1	99	13.83	13.69	13.48		0
	50	0	13.71	13.72	13.39	0-2	0
	50	25	13.85	13.67	13.36		0
	50	50	13.77	13.73	13.43		0
	100	0	13.71	13.74	13.41		0
64QAM	1	0	13.67	13.88	13.48	0-2	0
	1	50	13.68	13.77	13.43		0
	1	99	13.71	13.73	13.51		0
	50	0	13.58	13.57	13.33	0-3	0
	50	25	13.43	13.55	13.37		0
	50	50	13.45	13.52	13.29		0
	100	0	13.40	13.46	13.20		0

Table 8-144
LTE Band 66 Conducted Powers Ant 3A - 15 MHz Bandwidth

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132047 (1717.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132597 (1772.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.61	13.77	13.50	0	0
	1	36	13.65	13.64	13.54		0
	1	74	13.70	13.40	13.47		0
	36	0	13.70	13.77	13.45	0-1	0
	36	18	13.69	13.71	13.53		0
	36	37	13.74	13.66	13.49		0
	75	0	13.68	13.66	13.49		0
16QAM	1	0	13.78	13.87	13.66	0-1	0
	1	36	13.75	13.73	13.65		0
	1	74	13.89	13.50	13.57		0
	36	0	13.73	13.84	13.50	0-2	0
	36	18	13.73	13.76	13.58		0
	36	37	13.79	13.69	13.54		0
	75	0	13.74	13.69	13.51		0
64QAM	1	0	13.80	13.89	13.53	0-2	0
	1	36	13.81	13.90	13.66		0
	1	74	13.83	13.79	13.55		0
	36	0	13.66	13.74	13.57	0-3	0
	36	18	13.67	13.68	13.67		0
	36	37	13.71	13.64	13.66		0
	75	0	13.65	13.66	13.60		0

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Table 8-145
LTE Band 66 Conducted Powers Ant 3A - 10 MHz Bandwidth

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132022 (1715.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132622 (1775.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.74	13.75	13.43	0	0
	1	25	13.72	13.58	13.39		0
	1	49	13.77	13.51	13.38		0
	25	0	13.62	13.72	13.51	0-1	0
	25	12	13.67	13.64	13.51		0
	25	25	13.67	13.64	13.57		0
	50	0	13.66	13.64	13.52		0
16QAM	1	0	13.90	13.81	13.63	0-1	0
	1	25	13.90	13.81	13.56		0
	1	49	13.90	13.63	13.52		0
	25	0	13.65	13.74	13.55	0-2	0
	25	12	13.68	13.69	13.56		0
	25	25	13.71	13.68	13.58		0
	50	0	13.69	13.69	13.56		0
64QAM	1	0	13.69	13.89	13.75	0-2	0
	1	25	13.73	13.82	13.60		0
	1	49	13.64	13.89	13.80		0
	25	0	13.62	13.78	13.65	0-3	0
	25	12	13.67	13.70	13.64		0
	25	25	13.63	13.66	13.68		0
	50	0	13.64	13.67	13.63		0

Table 8-146
LTE Band 66 Conducted Powers Ant 3A - 5 MHz Bandwidth

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131997 (1712.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132647 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.59	13.71	13.64	0	0
	1	12	13.49	13.60	13.57		0
	1	24	13.55	13.62	13.55		0
	12	0	13.47	13.60	13.43	0-1	0
	12	6	13.42	13.62	13.47		0
	12	13	13.48	13.62	13.46		0
	25	0	13.45	13.61	13.47		0
16QAM	1	0	13.80	13.88	13.80	0-1	0
	1	12	13.76	13.84	13.72		0
	1	24	13.69	13.81	13.47		0
	12	0	13.51	13.60	13.45	0-2	0
	12	6	13.45	13.58	13.48		0
	12	13	13.48	13.58	13.45		0
	25	0	13.44	13.60	13.45		0
64QAM	1	0	13.65	13.78	13.60	0-2	0
	1	12	13.71	13.83	13.67		0
	1	24	13.62	13.71	13.67		0
	12	0	13.52	13.52	13.40	0-3	0
	12	6	13.46	13.58	13.44		0
	12	13	13.45	13.53	13.41		0
	25	0	13.45	13.53	13.38		0

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Table 8-147
LTE Band 66 Conducted Powers Ant 3A - 3 MHz Bandwidth

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131987 (1711.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132657 (1778.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.45	13.45	13.20	0	0
	1	7	13.53	13.53	13.22		0
	1	14	13.41	13.44	13.18		0
	8	0	13.39	13.45	13.29	0-1	0
	8	4	13.34	13.45	13.28		0
	8	7	13.33	13.44	13.27		0
	15	0	13.39	13.47	13.30		0
16QAM	1	0	13.68	13.62	13.32	0-1	0
	1	7	13.68	13.87	13.50		0
	1	14	13.65	13.76	13.45		0
	8	0	13.37	13.52	13.30	0-2	0
	8	4	13.31	13.50	13.24		0
	8	7	13.35	13.43	13.25		0
	15	0	13.35	13.41	13.24		0
64QAM	1	0	13.54	13.77	13.51	0-2	0
	1	7	13.65	13.87	13.64		0
	1	14	13.52	13.76	13.51		0
	8	0	13.32	13.43	13.40	0-3	0
	8	4	13.32	13.48	13.32		0
	8	7	13.32	13.51	13.33		0
	15	0	13.25	13.44	13.33		0

Table 8-148
LTE Band 66 Conducted Powers Ant 3A - 1.4 MHz Bandwidth

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131979 (1710.7 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132665 (1779.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.66	13.61	13.33	0	0
	1	2	13.60	13.56	13.33		0
	1	5	13.63	13.62	13.35		0
	3	0	13.45	13.45	13.34		0
	3	2	13.49	13.47	13.33		0
	3	3	13.49	13.48	13.37		0
	6	0	13.42	13.43	13.28	0-1	0
16QAM	1	0	13.58	13.89	13.48	0-1	0
	1	2	13.60	13.62	13.44		0
	1	5	13.46	13.67	13.52		0
	3	0	13.55	13.64	13.39		0
	3	2	13.63	13.61	13.32		0
	3	3	13.64	13.69	13.37		0
	6	0	13.50	13.46	13.28	0-2	0
64QAM	1	0	13.74	13.71	13.47	0-2	0
	1	2	13.62	13.64	13.55		0
	1	5	13.68	13.74	13.71		0
	3	0	13.41	13.75	13.49		0
	3	2	13.70	13.72	13.46		0
	3	3	13.60	13.68	13.44		0
	6	0	13.33	13.52	13.24	0-3	0

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Table 8-149
LTE Band 66 Conducted Powers Ant 3A - 20 MHz Bandwidth, Inter-band ULCA Active

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	10.88	10.89	10.50	0	0
	1	50	**10.90**	10.88	10.65		0
	1	99	10.87	10.87	10.85		0
	50	0	10.76	10.69	10.52	0-1	0
	50	25	**10.87**	10.78	10.60		0
	50	50	10.85	10.82	10.67		0
	100	0	10.81	10.75	10.67		0
16QAM	1	0	10.79	10.74	10.47	0-1	0
	1	50	10.90	10.72	10.50		0
	1	99	10.85	10.49	10.60		0
	50	0	10.17	10.29	10.18	0-2	0
	50	25	10.31	10.29	10.21		0
	50	50	10.17	10.23	10.24		0
	100	0	10.45	10.25	10.25		0
64QAM	1	0	10.54	10.90	10.55	0-2	0
	1	50	10.67	10.64	10.60		0
	1	99	10.55	10.81	10.46		0
	50	0	10.30	10.26	10.34	0-3	0
	50	25	10.46	10.31	10.32		0
	50	50	10.33	10.22	10.29		0
	100	0	10.42	10.22	10.24		0

Table 8-150
LTE Band 66 Conducted Powers Ant 3A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132047 (1717.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132597 (1772.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.75	11.09	10.89	0	0
	1	36	10.69	10.98	10.90		0
	1	74	10.75	10.80	10.58		0
	36	0	10.85	10.92	10.91	0-1	0
	36	18	10.86	10.91	10.96		0
	36	37	10.87	10.86	10.82		0
	75	0	10.81	10.86	10.88		0
16QAM	1	0	10.52	10.70	10.95	0-1	0
	1	36	10.47	10.73	10.90		0
	1	74	10.66	10.56	10.47		0
	36	0	10.33	10.48	10.57	0-2	0
	36	18	10.33	10.52	10.60		0
	36	37	10.36	10.50	10.52		0
	75	0	10.32	10.46	10.55		0
64QAM	1	0	10.39	10.73	10.97	0-2	0
	1	36	10.32	10.56	10.94		0
	1	74	10.47	10.33	10.49		0
	36	0	10.33	10.51	10.70	0-3	0
	36	18	10.32	10.49	10.72		0
	36	37	10.38	10.56	10.56		0
	75	0	10.31	10.43	10.58		0

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Table 8-151
LTE Band 66 Conducted Powers Ant 3A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 132022 (1715.0 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132622 (1775.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.76	11.04	10.82	0	0
	1	25	10.63	10.93	10.77		0
	1	49	10.66	10.94	10.75		0
	25	0	10.76	11.04	10.85	0-1	0
	25	12	10.78	11.03	10.84		0
	25	25	10.73	11.06	10.85		0
	50	0	10.80	11.02	10.85		0
16QAM	1	0	10.43	10.72	10.66	0-1	0
	1	25	10.47	10.42	10.47		0
	1	49	10.40	10.58	10.53		0
	25	0	10.26	10.48	10.35	0-2	0
	25	12	10.23	10.43	10.32		0
	25	25	10.21	10.43	10.32		0
	50	0	10.26	10.39	10.33		0
64QAM	1	0	10.42	10.44	10.57	0-2	0
	1	25	10.30	10.30	10.46		0
	1	49	10.19	10.61	10.44		0
	25	0	10.25	10.44	10.34	0-3	0
	25	12	10.27	10.42	10.28		0
	25	25	10.18	10.40	10.32		0
	50	0	10.30	10.38	10.35		0

Table 8-152
LTE Band 66 Conducted Powers Ant 3A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131997 (1712.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132647 (1777.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.76	10.88	10.74	0	0
	1	12	10.68	10.78	10.81		0
	1	24	10.70	10.78	10.81		0
	12	0	10.68	10.74	10.79	0-1	0
	12	6	10.63	10.74	10.83		0
	12	13	10.60	10.73	10.85		0
	25	0	10.64	10.75	10.84		0
16QAM	1	0	10.45	10.64	10.67	0-1	0
	1	12	10.44	10.48	10.74		0
	1	24	10.42	10.52	10.56		0
	12	0	10.19	10.28	10.23	0-2	0
	12	6	10.18	10.32	10.27		0
	12	13	10.11	10.35	10.23		0
	25	0	10.10	10.30	10.21		0
64QAM	1	0	10.17	10.50	10.57	0-2	0
	1	12	10.25	10.48	10.58		0
	1	24	10.10	10.50	10.56		0
	12	0	10.12	10.28	10.19	0-3	0
	12	6	10.10	10.30	10.27		0
	12	13	10.11	10.31	10.20		0
	25	0	10.11	10.29	10.27		0

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Table 8-153
LTE Band 66 Conducted Powers Ant 3A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131987 (1711.5 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132657 (1778.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.48	10.53	10.63	0	0
	1	7	10.60	10.59	10.65		0
	1	14	10.45	10.58	10.57		0
	8	0	10.49	10.53	10.70	0-1	0
	8	4	10.52	10.57	10.67		0
	8	7	10.48	10.58	10.68		0
	15	0	10.51	10.56	10.70		0
16QAM	1	0	10.37	10.37	10.53	0-1	0
	1	7	10.45	10.63	10.63		0
	1	14	10.36	10.31	10.45		0
	8	0	10.10	10.14	10.12	0-2	0
	8	4	10.15	10.20	10.10		0
	8	7	10.11	10.18	10.10		0
	15	0	10.10	10.11	10.11		0
64QAM	1	0	10.18	10.43	10.53	0-2	0
	1	7	10.25	10.45	10.37		0
	1	14	10.15	10.45	10.35		0
	8	0	10.13	10.13	10.17	0-3	0
	8	4	10.10	10.22	10.17		0
	8	7	10.11	10.23	10.12		0
	15	0	10.10	10.11	10.10		0

Table 8-154
LTE Band 66 Conducted Powers Ant 3A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 66 (AWS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 131979 (1710.7 MHz)	Mid Channel 132322 (1745.0 MHz)	High Channel 132665 (1779.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.67	10.75	10.69	0	0
	1	2	10.69	10.96	10.63		0
	1	5	10.73	10.97	10.65		0
	3	0	10.60	10.77	10.60		0
	3	2	10.64	10.80	10.61		0
	3	3	10.67	10.82	10.61		0
	6	0	10.62	10.74	10.56	0-1	0
16QAM	1	0	10.30	10.43	10.82	0-1	0
	1	2	10.42	10.32	10.41		0
	1	5	10.52	10.47	10.69		0
	3	0	10.23	10.21	10.36		0
	3	2	10.25	10.22	10.35		0
	3	3	10.15	10.12	10.38		0
	6	0	10.14	10.14	10.12	0-2	0
64QAM	1	0	10.25	10.46	10.64	0-2	0
	1	2	10.55	10.71	10.55		0
	1	5	10.56	10.39	10.58		0
	3	0	10.13	10.32	10.34		0
	3	2	10.18	10.34	10.34		0
	3	3	10.14	10.31	10.31		0
	6	0	10.13	10.12	10.15	0-3	0

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8.3.5 LTE Band 2

Table 8-155
LTE Band 2 Conducted Powers Ant 4 - 20 MHz Bandwidth

LTE Band 2 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18700 (1860.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19100 (1900.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.79	15.61	15.68	0	0
	1	50	15.57	15.67	**15.85**		0
	1	99	15.80	15.76	15.70		0
	50	0	15.60	15.60	15.89	0-1	0
	50	25	15.53	15.69	**16.00**		0
	50	50	15.63	15.70	15.88		0
	100	0	15.56	15.71	15.84		0
16QAM	1	0	15.57	15.48	15.61	0-1	0
	1	50	15.63	15.39	15.97		0
	1	99	15.54	15.61	15.98		0
	50	0	15.40	15.38	15.63	0-2	0
	50	25	15.46	15.28	15.81		0
	50	50	15.36	15.35	15.79		0
	100	0	15.39	15.21	15.78		0
64QAM	1	0	15.65	15.57	15.73	0-2	0
	1	50	15.61	15.62	15.99		0
	1	99	15.59	15.80	15.84		0
	50	0	15.38	15.45	15.67	0-3	0
	50	25	15.42	15.39	15.80		0
	50	50	15.30	15.44	15.82		0
	100	0	15.32	15.30	15.81		0

Table 8-156
LTE Band 2 Conducted Powers Ant 4 - 15 MHz Bandwidth

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18675 (1857.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19125 (1902.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.20	15.37	15.54	0	0
	1	36	15.28	15.31	15.60		0
	1	74	15.03	15.26	15.39		0
	36	0	15.21	15.34	15.61	0-1	0
	36	18	15.35	15.30	15.67		0
	36	37	15.19	15.27	15.59		0
	75	0	15.33	15.24	15.66		0
16QAM	1	0	15.49	15.56	15.76	0-1	0
	1	36	15.51	15.44	15.77		0
	1	74	15.29	15.44	15.40		0
	36	0	15.29	15.39	15.64	0-2	0
	36	18	15.40	15.34	15.72		0
	36	37	15.26	15.33	15.64		0
	75	0	15.40	15.25	15.72		0
64QAM	1	0	15.62	15.70	15.72	0-2	0
	1	36	15.64	15.54	15.88		0
	1	74	15.39	15.40	15.63		0
	36	0	15.28	15.41	15.68	0-3	0
	36	18	15.43	15.35	15.76		0
	36	37	15.28	15.30	15.67		0
	75	0	15.38	15.23	15.72		0

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Table 8-157
LTE Band 2 Conducted Powers Ant 4 - 10 MHz Bandwidth

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18650 (1855.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19150 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.31	15.52	15.64	0	0
	1	25	15.24	15.37	15.72		0
	1	49	15.38	15.47	15.59		0
	25	0	15.42	15.42	15.73	0-1	0
	25	12	15.34	15.35	15.74		0
	25	25	15.45	15.34	15.67		0
	50	0	15.37	15.30	15.77		0
16QAM	1	0	15.49	15.68	15.89	0-1	0
	1	25	15.59	15.74	15.96		0
	1	49	15.58	15.70	15.78		0
	25	0	15.43	15.48	15.72	0-2	0
	25	12	15.39	15.44	15.77		0
	25	25	15.50	15.40	15.70		0
	50	0	15.42	15.35	15.79		0
64QAM	1	0	15.69	15.63	15.91	0-2	0
	1	25	15.72	15.47	15.85		0
	1	49	15.73	15.51	15.89		0
	25	0	15.47	15.48	15.77	0-3	0
	25	12	15.42	15.41	15.82		0
	25	25	15.52	15.33	15.72		0
	50	0	15.39	15.37	15.80		0

Table 8-158
LTE Band 2 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18625 (1852.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19175 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.27	15.36	15.79	0	0
	1	12	15.17	15.19	15.64		0
	1	24	15.14	15.23	15.67		0
	12	0	15.14	15.15	15.54	0-1	0
	12	6	15.16	15.15	15.47		0
	12	13	15.07	15.10	15.45		0
	25	0	15.17	15.12	15.50		0
16QAM	1	0	15.41	15.60	15.91	0-1	0
	1	12	15.31	15.38	15.87		0
	1	24	15.42	15.39	15.96		0
	12	0	15.15	15.17	15.56	0-2	0
	12	6	15.15	15.16	15.51		0
	12	13	15.12	15.11	15.47		0
	25	0	15.16	15.08	15.44		0
64QAM	1	0	15.59	15.72	15.87	0-2	0
	1	12	15.44	15.46	15.74		0
	1	24	15.27	15.48	15.64		0
	12	0	15.18	15.10	15.56	0-3	0
	12	6	15.10	15.15	15.48		0
	12	13	15.00	15.11	15.49		0
	25	0	15.11	15.05	15.47		0

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Table 8-159
LTE Band 2 Conducted Powers Ant 4 - 3 MHz Bandwidth

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18615 (1851.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19185 (1908.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.44	15.38	15.60	0	0
	1	7	15.38	15.35	15.61		0
	1	14	15.35	15.32	15.58		0
	8	0	15.35	15.28	15.65	0-1	0
	8	4	15.35	15.21	15.56		0
	8	7	15.35	15.21	15.59		0
	15	0	15.39	15.22	15.57		0
16QAM	1	0	15.60	15.64	15.74	0-1	0
	1	7	15.53	15.67	15.80		0
	1	14	15.72	15.64	15.95		0
	8	0	15.44	15.28	15.59	0-2	0
	8	4	15.45	15.22	15.58		0
	8	7	15.40	15.23	15.59		0
	15	0	15.35	15.17	15.54		0
64QAM	1	0	15.88	15.52	15.93	0-2	0
	1	7	15.82	15.50	15.88		0
	1	14	15.71	15.52	15.78		0
	8	0	15.32	15.21	15.67	0-3	0
	8	4	15.32	15.15	15.58		0
	8	7	15.34	15.16	15.65		0
	15	0	15.32	15.15	15.58		0

Table 8-160
LTE Band 2 Conducted Powers Ant 4 - 1.4 MHz Bandwidth

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18607 (1850.7 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19193 (1909.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.16	15.27	15.69	0	0
	1	2	15.23	15.27	15.69		0
	1	5	15.19	15.21	15.70		0
	3	0	15.27	15.31	15.56		0
	3	2	15.20	15.21	15.56		0
	3	3	15.22	15.23	15.57		0
	6	0	15.17	15.19	15.51	0-1	0
16QAM	1	0	15.46	15.60	15.98	0-1	0
	1	2	15.62	15.58	15.99		0
	1	5	15.52	15.47	15.97		0
	3	0	15.42	15.36	15.72		0
	3	2	15.27	15.34	15.79		0
	3	3	15.35	15.40	15.75		0
	6	0	15.16	15.21	15.61	0-2	0
64QAM	1	0	15.63	15.74	15.91	0-2	0
	1	2	15.66	15.59	15.82		0
	1	5	15.58	15.63	15.95		0
	3	0	15.40	15.41	15.83		0
	3	2	15.29	15.30	15.75		0
	3	3	15.28	15.33	15.82		0
	6	0	15.13	15.20	15.63	0-3	0

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Table 8-161
LTE Band 2 Conducted Powers Ant 4 - 20 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18700 (1860.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19100 (1900.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	12.61	12.43	12.68	0	0
	1	50	12.60	12.40	**12.87**		0
	1	99	12.53	12.48	12.75		0
	50	0	12.54	12.60	12.74	0-1	0
	50	25	12.56	12.54	**12.89**		0
	50	50	12.44	12.58	12.88		0
	100	0	12.55	12.51	12.86		0
16QAM	1	0	12.58	12.67	12.41	0-1	0
	1	50	12.45	12.69	12.78		0
	1	99	12.63	12.57	12.99		0
	50	0	12.40	12.54	12.41	0-2	0
	50	25	12.29	12.58	12.64		0
	50	50	12.32	12.55	12.67		0
	100	0	12.31	12.56	12.63		0
64QAM	1	0	12.23	12.64	12.14	0-2	0
	1	50	12.19	12.59	12.67		0
	1	99	12.35	12.28	12.88		0
	50	0	12.09	12.34	12.18	0-3	0
	50	25	12.02	12.37	12.44		0
	50	50	12.07	12.31	12.51		0
	100	0	12.03	12.33	12.45		0

Table 8-162
LTE Band 2 Conducted Powers Ant 4 - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18675 (1857.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19125 (1902.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	12.51	12.62	12.48	0	0
	1	36	12.55	12.60	12.87		0
	1	74	12.64	12.37	12.90		0
	36	0	12.52	12.69	12.87	0-1	0
	36	18	12.53	12.68	12.98		0
	36	37	12.53	12.70	12.94		0
	75	0	12.51	12.75	12.94		0
16QAM	1	0	12.44	12.51	12.26	0-1	0
	1	36	12.45	12.55	12.81		0
	1	74	12.47	12.40	12.97		0
	36	0	12.37	12.42	12.64	0-2	0
	36	18	12.37	12.49	12.76		0
	36	37	12.37	12.51	12.73		0
	75	0	12.31	12.49	12.71		0
64QAM	1	0	12.18	12.49	12.13	0-2	0
	1	36	11.94	12.48	12.59		0
	1	74	12.17	12.27	12.85		0
	36	0	12.09	12.22	12.26	0-3	0
	36	18	12.03	12.25	12.44		0
	36	37	12.00	12.27	12.48		0
	75	0	11.95	12.24	12.40		0

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Table 8-163
LTE Band 2 Conducted Powers Ant 4 - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18650 (1855.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19150 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	12.69	12.66	12.89	0	0
	1	25	12.58	12.69	12.86		0
	1	49	12.51	12.64	12.98		0
	25	0	12.56	12.67	12.97	0-1	0
	25	12	12.52	12.67	12.98		0
	25	25	12.46	12.72	12.80		0
	50	0	12.53	12.76	12.99		0
16QAM	1	0	12.59	12.58	12.76	0-1	0
	1	25	12.59	12.62	12.64		0
	1	49	12.43	12.71	12.90		0
	25	0	12.32	12.46	12.62	0-2	0
	25	12	12.30	12.40	12.65		0
	25	25	12.31	12.54	12.71		0
	50	0	12.29	12.52	12.69		0
64QAM	1	0	12.41	12.70	12.56	0-2	0
	1	25	12.28	12.40	12.36		0
	1	49	12.20	12.40	12.68		0
	25	0	12.12	12.20	12.38	0-3	0
	25	12	12.11	12.19	12.38		0
	25	25	12.01	12.26	12.42		0
	50	0	12.12	12.25	12.42		0

Table 8-164
LTE Band 2 Conducted Powers Ant 4 - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18625 (1852.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19175 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	12.60	12.69	13.00	0	0
	1	12	12.61	12.69	12.98		0
	1	24	12.61	12.69	12.99		0
	12	0	12.47	12.59	12.84	0-1	0
	12	6	12.48	12.58	12.88		0
	12	13	12.50	12.69	12.92		0
	25	0	12.49	12.69	12.89		0
16QAM	1	0	12.58	12.36	12.70	0-1	0
	1	12	12.35	12.39	12.83		0
	1	24	12.56	12.36	12.80		0
	12	0	12.15	12.20	12.48	0-2	0
	12	6	12.14	12.16	12.51		0
	12	13	12.18	12.19	12.59		0
	25	0	12.13	12.23	12.54		0
64QAM	1	0	12.27	12.34	12.59	0-2	0
	1	12	12.20	12.36	12.72		0
	1	24	12.21	12.44	12.76		0
	12	0	11.84	12.03	12.34	0-3	0
	12	6	11.88	12.03	12.38		0
	12	13	11.93	12.19	12.47		0
	25	0	11.88	12.13	12.33		0

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Table 8-165
LTE Band 2 Conducted Powers Ant 4 - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18615 (1851.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19185 (1908.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	12.54	12.51	12.56	0	0
	1	7	12.58	12.59	12.79		0
	1	14	12.56	12.56	12.72		0
	8	0	12.44	12.48	12.75	0-1	0
	8	4	12.37	12.53	12.78		0
	8	7	12.42	12.54	12.79		0
	15	0	12.36	12.57	12.77		0
16QAM	1	0	12.34	12.37	12.51	0-1	0
	1	7	12.49	12.55	12.81		0
	1	14	12.52	12.39	12.76		0
	8	0	12.01	12.25	12.54	0-2	0
	8	4	11.98	12.31	12.57		0
	8	7	12.07	12.32	12.55		0
	15	0	11.88	12.21	12.48		0
64QAM	1	0	12.05	12.06	12.36	0-2	0
	1	7	12.15	12.22	12.64		0
	1	14	12.17	12.38	12.55		0
	8	0	11.81	11.78	12.32	0-3	0
	8	4	11.86	11.92	12.33		0
	8	7	11.88	11.87	12.39		0
	15	0	11.87	11.88	12.33		0

Table 8-166
LTE Band 2 Conducted Powers Ant 4 - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18607 (1850.7 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19193 (1909.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	12.47	12.60	12.84	0	0
	1	2	12.44	12.59	12.82		0
	1	5	12.47	12.67	12.82		0
	3	0	12.33	12.47	12.82		0
	3	2	12.28	12.52	12.81		0
	3	3	12.32	12.55	12.79		0
	6	0	12.25	12.51	12.74	0-1	0
16QAM	1	0	12.25	12.40	12.82	0-1	0
	1	2	12.34	12.31	12.88		0
	1	5	12.14	12.32	12.99		0
	3	0	12.09	12.33	12.58		0
	3	2	12.05	12.43	12.60		0
	3	3	12.10	12.47	12.63		0
	6	0	12.08	12.26	12.53	0-2	0
64QAM	1	0	12.11	12.47	12.60	0-2	0
	1	2	12.06	12.34	13.00		0
	1	5	12.18	12.32	12.94		0
	3	0	12.12	12.07	12.59		0
	3	2	12.10	12.22	12.66		0
	3	3	12.14	12.20	12.65		0
	6	0	11.77	12.03	12.40	0-3	0

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Table 8-167
LTE Band 2 Conducted Powers Ant 2A - 20 MHz Bandwidth

LTE Band 2 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18700 (1860.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19100 (1900.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	**13.90**	13.76	13.84	0	0
	1	50	13.80	13.72	13.89		0
	1	99	13.88	13.64	13.75		0
	50	0	13.86	13.89	**13.90**	0-1	0
	50	25	13.83	13.88	13.88		0
	50	50	13.79	13.82	13.86		0
	100	0	13.81	13.85	13.86		0
16QAM	1	0	13.84	13.39	13.50	0-1	0
	1	50	13.64	13.44	13.51		0
	1	99	13.73	13.41	13.54		0
	50	0	13.39	13.34	13.35	0-2	0
	50	25	13.35	13.33	13.32		0
	50	50	13.32	13.32	13.35		0
	100	0	13.31	13.36	13.36		0
64QAM	1	0	13.99	13.65	13.83	0-2	0
	1	50	13.80	13.92	14.00		0
	1	99	14.00	13.66	13.73		0
	50	0	13.59	13.67	13.78	0-3	0
	50	25	13.58	13.73	14.00		0
	50	50	13.70	13.62	13.80		0
	100	0	13.58	13.69	14.00		0

Table 8-168
LTE Band 2 Conducted Powers Ant 2A - 15 MHz Bandwidth

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18675 (1857.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19125 (1902.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.68	13.65	13.88	0	0
	1	36	13.44	13.78	14.07		0
	1	74	13.55	13.66	13.89		0
	36	0	13.73	13.81	13.99	0-1	0
	36	18	13.56	13.89	14.02		0
	36	37	13.62	13.79	14.00		0
	75	0	13.53	13.77	13.99		0
16QAM	1	0	13.68	13.68	13.87	0-1	0
	1	36	13.50	13.77	13.95		0
	1	74	13.56	13.57	13.68		0
	36	0	13.48	13.55	13.73	0-2	0
	36	18	13.31	13.60	13.75		0
	36	37	13.46	13.51	13.80		0
	75	0	13.31	13.49	13.85		0
64QAM	1	0	13.80	13.79	13.77	0-2	0
	1	36	13.48	13.82	14.03		0
	1	74	13.51	13.76	13.96		0
	36	0	13.55	13.60	13.85	0-3	0
	36	18	13.39	13.70	13.93		0
	36	37	13.51	13.63	13.90		0
	75	0	13.35	13.56	13.88		0

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Table 8-169
LTE Band 2 Conducted Powers Ant 2A - 10 MHz Bandwidth

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18650 (1855.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19150 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.90	13.83	14.01	0	0
	1	25	13.79	13.78	13.96		0
	1	49	13.72	13.77	13.85		0
	25	0	13.83	13.88	14.11	0-1	0
	25	12	13.74	13.93	14.03		0
	25	25	13.63	13.84	14.00		0
	50	0	13.66	13.79	14.01		0
16QAM	1	0	13.94	13.74	13.72	0-1	0
	1	25	13.91	13.69	13.83		0
	1	49	13.75	13.65	13.64		0
	25	0	13.69	13.66	13.81	0-2	0
	25	12	13.54	13.66	13.79		0
	25	25	13.40	13.59	13.73		0
	50	0	13.49	13.56	13.78		0
64QAM	1	0	13.88	13.98	14.03	0-2	0
	1	25	13.69	13.96	14.08		0
	1	49	13.68	13.80	13.92		0
	25	0	13.72	13.74	13.98	0-3	0
	25	12	13.53	13.75	13.92		0
	25	25	13.42	13.60	13.85		0
	50	0	13.54	13.58	13.85		0

Table 8-170
LTE Band 2 Conducted Powers Ant 2A - 5 MHz Bandwidth

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18625 (1852.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19175 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.94	13.77	14.07	0	0
	1	12	13.83	13.73	13.97		0
	1	24	13.75	13.80	13.94		0
	12	0	13.79	13.72	13.86	0-1	0
	12	6	13.75	13.73	13.84		0
	12	13	13.73	13.73	13.80		0
	25	0	13.77	13.72	13.87		0
16QAM	1	0	13.73	13.70	13.90	0-1	0
	1	12	13.78	13.55	13.88		0
	1	24	13.65	13.64	13.82		0
	12	0	13.46	13.51	13.70	0-2	0
	12	6	13.49	13.49	13.71		0
	12	13	13.42	13.42	13.63		0
	25	0	13.45	13.42	13.71		0
64QAM	1	0	13.90	13.70	13.98	0-2	0
	1	12	13.91	13.62	13.94		0
	1	24	13.71	13.69	13.98		0
	12	0	13.48	13.53	13.74	0-3	0
	12	6	13.48	13.47	13.78		0
	12	13	13.46	13.47	13.71		0
	25	0	13.48	13.46	13.75		0

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Table 8-171
LTE Band 2 Conducted Powers Ant 2A - 3 MHz Bandwidth

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18615 (1851.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19185 (1908.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.77	13.54	13.73	0	0
	1	7	13.83	13.58	13.74		0
	1	14	13.74	13.56	13.68		0
	8	0	13.66	13.60	13.82	0-1	0
	8	4	13.69	13.57	13.77		0
	8	7	13.66	13.59	13.79		0
	15	0	13.71	13.60	13.78		0
16QAM	1	0	13.73	13.51	13.80	0-1	0
	1	7	13.87	13.54	13.55		0
	1	14	13.90	13.59	13.57		0
	8	0	13.42	13.40	13.61	0-2	0
	8	4	13.44	13.36	13.53		0
	8	7	13.42	13.38	13.51		0
	15	0	13.44	13.30	13.49		0
64QAM	1	0	13.68	13.67	13.83	0-2	0
	1	7	13.82	13.57	13.85		0
	1	14	13.76	13.59	13.76		0
	8	0	13.39	13.40	13.68	0-3	0
	8	4	13.41	13.30	13.55		0
	8	7	13.40	13.38	13.58		0
	15	0	13.42	13.31	13.55		0

Table 8-172
LTE Band 2 Conducted Powers Ant 2A - 1.4 MHz Bandwidth

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18607 (1850.7 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19193 (1909.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.71	13.68	13.86	0	0
	1	2	13.65	13.67	13.86		0
	1	5	13.68	13.67	13.88		0
	3	0	13.65	13.64	13.85		0
	3	2	13.60	13.61	13.82		0
	3	3	13.60	13.61	13.84		0
	6	0	13.58	13.60	13.79	0-1	0
16QAM	1	0	13.95	13.66	13.79	0-1	0
	1	2	13.88	13.65	13.75		0
	1	5	13.95	13.62	13.77		0
	3	0	13.64	13.52	13.68		0
	3	2	13.61	13.46	13.67		0
	3	3	13.55	13.37	13.73		0
	6	0	13.42	13.36	13.58	0-2	0
64QAM	1	0	13.62	13.79	13.90	0-2	0
	1	2	13.62	13.76	13.96		0
	1	5	13.50	13.66	14.03		0
	3	0	13.58	13.48	13.76		0
	3	2	13.58	13.46	13.67		0
	3	3	13.52	13.43	13.73		0
	6	0	13.42	13.27	13.68	0-3	0

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Table 8-173
LTE Band 2 Conducted Powers Ant 2A - 20 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18700 (1860.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19100 (1900.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.95	11.12	10.84	0	0
	1	50	10.92	11.05	11.19		0
	1	99	**11.21**	10.83	11.13		0
	50	0	10.95	10.90	11.03	0-1	0
	50	25	10.92	10.95	**11.32**		0
	50	50	10.92	10.85	11.25		0
	100	0	10.87	10.98	11.15		0
16QAM	1	0	11.11	11.24	10.95	0-1	0
	1	50	11.03	11.15	11.34		0
	1	99	11.16	10.89	11.27		0
	50	0	10.99	11.01	11.06	0-2	0
	50	25	10.96	11.09	11.27		0
	50	50	10.98	10.95	11.22		0
	100	0	10.92	11.05	11.32		0
64QAM	1	0	11.14	11.17	11.25	0-2	0
	1	50	11.08	11.26	11.39		0
	1	99	11.26	11.00	11.36		0
	50	0	10.99	11.03	11.05	0-3	0
	50	25	11.01	11.05	11.27		0
	50	50	11.04	10.94	11.23		0
	100	0	10.93	10.98	11.28		0

Table 8-174
LTE Band 2 Conducted Powers Ant 2A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18675 (1857.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19125 (1902.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.24	11.27	11.15	0	0
	1	36	11.11	11.31	11.40		0
	1	74	11.28	11.07	11.29		0
	36	0	11.22	11.30	11.37	0-1	0
	36	18	11.11	11.35	11.40		0
	36	37	11.26	11.17	11.38		0
	75	0	11.08	11.19	11.39		0
16QAM	1	0	11.11	11.25	11.10	0-1	0
	1	36	10.99	11.19	11.30		0
	1	74	11.07	10.80	11.26		0
	36	0	11.05	11.14	11.16	0-2	0
	36	18	10.86	11.15	11.18		0
	36	37	10.98	10.98	11.24		0
	75	0	10.82	11.05	11.17		0
64QAM	1	0	11.14	11.35	11.12	0-2	0
	1	36	10.92	11.40	11.40		0
	1	74	11.04	11.01	11.33		0
	36	0	11.02	11.14	11.24	0-3	0
	36	18	10.83	11.17	11.25		0
	36	37	10.94	10.99	11.24		0
	75	0	10.77	11.00	11.18		0

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Table 8-175
LTE Band 2 Conducted Powers Ant 2A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18650 (1855.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19150 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.28	11.32	11.31	0	0
	1	25	11.34	11.18	11.32		0
	1	49	11.27	11.03	11.30		0
	25	0	11.28	11.31	11.40	0-1	0
	25	12	11.25	11.30	11.35		0
	25	25	11.10	11.21	11.34		0
	50	0	11.21	11.21	11.32		0
16QAM	1	0	11.28	11.18	11.15	0-1	0
	1	25	11.19	11.18	11.26		0
	1	49	11.28	10.94	11.33		0
	25	0	11.02	11.01	11.19	0-2	0
	25	12	10.99	10.97	11.28		0
	25	25	10.83	10.89	11.26		0
	50	0	10.94	10.94	11.25		0
64QAM	1	0	10.96	11.37	11.13	0-2	0
	1	25	11.12	11.00	11.40		0
	1	49	11.01	10.89	11.33		0
	25	0	10.98	11.08	11.19	0-3	0
	25	12	10.98	11.05	11.22		0
	25	25	10.80	10.96	11.22		0
	50	0	10.93	10.97	11.21		0

Table 8-176
LTE Band 2 Conducted Powers Ant 2A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18625 (1852.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19175 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.40	11.22	11.40	0	0
	1	12	11.35	11.09	11.35		0
	1	24	11.33	11.05	11.40		0
	12	0	11.23	11.18	11.26	0-1	0
	12	6	11.21	11.16	11.29		0
	12	13	11.12	11.04	11.24		0
	25	0	11.20	11.06	11.29		0
16QAM	1	0	11.21	11.12	11.40	0-1	0
	1	12	11.21	10.97	11.11		0
	1	24	11.15	11.24	11.30		0
	12	0	10.97	10.86	10.91	0-2	0
	12	6	10.89	10.83	10.96		0
	12	13	10.84	10.87	10.89		0
	25	0	10.85	10.84	10.94		0
64QAM	1	0	11.33	11.16	11.38	0-2	0
	1	12	11.22	11.39	11.31		0
	1	24	11.09	11.19	11.18		0
	12	0	10.94	10.91	11.02	0-3	0
	12	6	10.97	10.97	11.01		0
	12	13	10.88	10.89	10.95		0
	25	0	10.87	10.91	11.02		0

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Table 8-177
LTE Band 2 Conducted Powers Ant 2A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18615 (1851.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19185 (1908.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.24	11.21	11.04	0	0
	1	7	11.28	11.14	11.07		0
	1	14	11.22	11.07	11.04		0
	8	0	11.10	11.15	11.15	0-1	0
	8	4	11.15	11.04	11.09		0
	8	7	11.11	11.07	11.11		0
	15	0	11.13	11.07	11.09		0
16QAM	1	0	11.22	11.16	11.05	0-1	0
	1	7	11.31	11.15	10.94		0
	1	14	11.22	11.06	10.95		0
	8	0	10.85	11.00	10.92	0-2	0
	8	4	10.83	10.88	10.92		0
	8	7	10.85	10.87	10.90		0
	15	0	10.80	10.80	10.87		0
64QAM	1	0	10.97	11.27	10.92	0-2	0
	1	7	11.06	11.27	11.06		0
	1	14	11.02	11.07	10.96		0
	8	0	10.76	10.82	10.84	0-3	0
	8	4	10.79	10.72	10.76		0
	8	7	10.83	10.76	10.78		0
	15	0	10.74	10.69	10.68		0

Table 8-178
LTE Band 2 Conducted Powers Ant 2A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18607 (1850.7 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19193 (1909.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.31	11.11	11.21	0	0
	1	2	11.24	11.12	11.17		0
	1	5	11.31	11.16	11.24		0
	3	0	11.15	11.05	11.13		0
	3	2	11.13	11.04	11.12		0
	3	3	11.15	11.03	11.14		0
	6	0	11.10	11.01	11.07	0-1	0
16QAM	1	0	11.14	11.31	11.09	0-1	0
	1	2	11.07	11.37	11.11		0
	1	5	11.13	11.29	11.14		0
	3	0	10.94	11.01	11.06		0
	3	2	10.92	11.03	11.05		0
	3	3	10.94	11.06	11.13		0
	6	0	10.85	10.91	10.93	0-2	0
64QAM	1	0	11.24	11.31	11.03	0-2	0
	1	2	11.10	11.27	11.04		0
	1	5	11.16	11.28	11.08		0
	3	0	11.01	11.04	11.02		0
	3	2	10.92	11.02	10.99		0
	3	3	10.89	10.99	10.99		0
	6	0	10.85	10.71	10.85	0-3	0

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Table 8-179
LTE Band 2 Conducted Powers Ant 1A - 20 MHz Bandwidth

LTE Band 2 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18700 (1860.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19100 (1900.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.06	14.21	14.44	0	0
	1	50	13.97	14.24	**14.60**		0
	1	99	14.11	14.41	14.55		0
	50	0	14.00	14.21	14.37	0-1	0
	50	25	14.04	14.28	**14.51**		0
	50	50	14.07	14.43	14.40		0
	100	0	14.05	14.32	14.40		0
16QAM	1	0	14.08	14.16	14.26	0-1	0
	1	50	13.92	14.13	14.51		0
	1	99	13.99	14.30	14.28		0
	50	0	13.74	14.01	14.17	0-2	0
	50	25	13.75	14.04	14.27		0
	50	50	13.76	14.08	14.16		0
	100	0	13.77	14.04	14.25		0
64QAM	1	0	14.08	14.17	14.39	0-2	0
	1	50	13.93	14.11	14.13		0
	1	99	14.00	14.11	14.40		0
	50	0	13.83	13.91	14.10	0-3	0
	50	25	13.75	13.95	14.08		0
	50	50	13.82	13.86	14.06		0
	100	0	13.74	13.85	14.11		0

Table 8-180
LTE Band 2 Conducted Powers Ant 1A - 15 MHz Bandwidth

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18675 (1857.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19125 (1902.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.42	14.15	14.55	0	0
	1	36	14.26	14.27	14.50		0
	1	74	14.26	14.37	14.42		0
	36	0	14.16	14.26	14.60	0-1	0
	36	18	14.20	14.32	14.57		0
	36	37	14.20	14.34	14.47		0
	75	0	14.22	14.28	14.57		0
16QAM	1	0	14.22	14.36	14.60	0-1	0
	1	36	14.20	14.42	14.60		0
	1	74	14.12	14.44	14.60		0
	36	0	14.05	14.13	14.37	0-2	0
	36	18	14.05	14.13	14.34		0
	36	37	14.04	14.13	14.30		0
	75	0	14.02	14.03	14.30		0
64QAM	1	0	14.12	14.26	14.50	0-2	0
	1	36	13.93	14.11	14.13		0
	1	74	14.02	14.34	14.50		0
	36	0	13.83	13.91	14.10	0-3	0
	36	18	13.95	14.03	14.24		0
	36	37	13.82	13.86	14.06		0
	75	0	13.92	13.93	14.20		0

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Table 8-181
LTE Band 2 Conducted Powers Ant 1A - 10 MHz Bandwidth

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18650 (1855.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19150 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.19	14.16	14.54	0	0
	1	25	14.06	14.17	14.29		0
	1	49	14.16	14.25	14.44		0
	25	0	14.23	14.25	14.55	0-1	0
	25	12	14.15	14.26	14.43		0
	25	25	14.21	14.24	14.43		0
	50	0	14.15	14.23	14.45		0
16QAM	1	0	14.28	14.38	14.60	0-1	0
	1	25	14.13	14.31	14.33		0
	1	49	14.20	14.31	14.60		0
	25	0	14.03	14.11	14.30	0-2	0
	25	12	13.95	14.15	14.28		0
	25	25	14.02	14.06	14.26		0
	50	0	13.94	14.05	14.31		0
64QAM	1	0	14.18	14.28	14.50	0-2	0
	1	25	13.87	14.16	14.23		0
	1	49	14.10	14.21	14.50		0
	25	0	13.74	13.81	13.97	0-3	0
	25	12	13.85	14.05	14.18		0
	25	25	13.67	13.76	14.02		0
	50	0	13.84	13.95	14.21		0

Table 8-182
LTE Band 2 Conducted Powers Ant 1A - 5 MHz Bandwidth

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18625 (1852.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19175 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.12	14.29	14.28	0	0
	1	12	14.10	14.23	14.30		0
	1	24	14.13	14.21	14.42		0
	12	0	14.08	14.15	14.36	0-1	0
	12	6	14.05	14.15	14.35		0
	12	13	14.02	14.11	14.43		0
	25	0	14.06	14.14	14.38		0
16QAM	1	0	14.35	14.34	14.25	0-1	0
	1	12	14.07	14.36	14.43		0
	1	24	14.25	14.24	14.48		0
	12	0	13.94	14.01	14.17	0-2	0
	12	6	13.84	13.99	14.14		0
	12	13	13.87	13.96	14.22		0
	25	0	13.87	13.90	14.12		0
64QAM	1	0	14.25	14.24	14.15	0-2	0
	1	12	13.99	13.96	14.12		0
	1	24	14.15	14.14	14.38		0
	12	0	13.61	13.67	13.75	0-3	0
	12	6	13.74	13.89	14.04		0
	12	13	13.75	13.77	13.80		0
	25	0	13.77	13.80	14.02		0

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Table 8-183
LTE Band 2 Conducted Powers Ant 1A - 3 MHz Bandwidth

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18615 (1851.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19185 (1908.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.04	14.15	14.12	0	0
	1	7	14.08	14.16	14.23		0
	1	14	14.04	14.09	14.19		0
	8	0	14.07	14.08	14.18	0-1	0
	8	4	14.04	14.01	14.25		0
	8	7	14.05	14.02	14.27		0
	15	0	14.04	14.03	14.31		0
16QAM	1	0	14.06	14.09	14.31	0-1	0
	1	7	14.19	14.16	14.32		0
	1	14	14.14	14.09	14.41		0
	8	0	13.81	13.79	13.95	0-2	0
	8	4	13.82	13.73	14.06		0
	8	7	13.72	13.69	14.00		0
	15	0	13.77	13.72	14.03		0
64QAM	1	0	13.96	13.99	14.21	0-2	0
	1	7	13.86	14.04	14.35		0
	1	14	14.04	13.99	14.31		0
	8	0	13.77	13.76	14.14	0-3	0
	8	4	13.72	13.63	13.96		0
	8	7	13.79	13.74	14.00		0
	15	0	13.67	13.62	13.93		0

Table 8-184
LTE Band 2 Conducted Powers Ant 1A - 1.4 MHz Bandwidth

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18607 (1850.7 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19193 (1909.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.14	14.32	14.60	0	0
	1	2	14.11	14.30	14.59		0
	1	5	14.17	14.25	14.60		0
	3	0	14.12	14.24	14.40		0
	3	2	14.14	14.14	14.45		0
	3	3	14.18	14.16	14.44		0
	6	0	14.11	14.09	14.39	0-1	0
16QAM	1	0	14.12	14.17	14.39	0-1	0
	1	2	14.06	14.24	14.55		0
	1	5	14.16	14.13	14.36		0
	3	0	13.97	13.96	14.34		0
	3	2	13.91	13.97	14.26		0
	3	3	13.99	13.94	14.20		0
	6	0	13.83	13.77	14.11	0-2	0
64QAM	1	0	14.02	14.07	14.29	0-2	0
	1	2	13.96	14.28	14.18		0
	1	5	14.06	14.03	14.26		0
	3	0	13.87	13.86	14.13		0
	3	2	13.81	13.87	14.16		0
	3	3	13.87	13.71	14.21		0
	6	0	13.73	13.67	14.01	0-3	0

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Table 8-185
LTE Band 2 Conducted Powers Ant 1A - 20 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18700 (1860.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19100 (1900.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.39	11.26	11.46	0	0
	1	50	11.38	11.20	**11.59**		0
	1	99	11.44	11.33	11.57		0
	50	0	11.21	11.19	11.50	0-1	0
	50	25	11.24	11.23	**11.60**		0
	50	50	11.42	11.40	11.59		0
	100	0	11.37	11.31	11.58		0
16QAM	1	0	11.02	11.12	11.12	0-1	0
	1	50	10.85	11.25	11.51		0
	1	99	11.07	11.48	11.60		0
	50	0	10.88	10.78	11.02	0-2	0
	50	25	10.94	10.86	11.25		0
	50	50	11.00	10.93	11.22		0
	100	0	10.81	10.83	11.27		0
64QAM	1	0	10.87	10.88	11.17	0-2	0
	1	50	10.77	10.89	11.54		0
	1	99	10.98	11.11	11.60		0
	50	0	10.75	10.70	11.03	0-3	0
	50	25	10.77	10.71	11.25		0
	50	50	10.83	10.92	11.21		0
	100	0	10.81	10.84	11.25		0

Table 8-186
LTE Band 2 Conducted Powers Ant 1A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18675 (1857.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19125 (1902.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.10	11.27	11.20	0	0
	1	36	11.08	11.31	11.54		0
	1	74	11.16	11.37	11.45		0
	36	0	11.21	11.23	11.50	0-1	0
	36	18	11.20	11.23	11.60		0
	36	37	11.27	11.27	11.50		0
	75	0	11.20	11.31	11.60		0
16QAM	1	0	11.04	10.98	11.19	0-1	0
	1	36	11.00	11.11	11.60		0
	1	74	10.92	11.01	11.41		0
	36	0	10.77	10.86	11.08	0-2	0
	36	18	10.70	10.82	11.29		0
	36	37	10.72	10.70	11.27		0
	75	0	10.72	10.78	11.26		0
64QAM	1	0	11.09	11.12	10.98	0-2	0
	1	36	10.90	10.79	11.40		0
	1	74	10.99	10.70	11.37		0
	36	0	10.76	10.87	11.12	0-3	0
	36	18	10.72	10.81	11.36		0
	36	37	10.71	10.72	11.27		0
	75	0	10.70	10.75	11.29		0

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Table 8-187
LTE Band 2 Conducted Powers Ant 1A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18650 (1855.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19150 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.25	11.06	11.57	0	0
	1	25	11.21	11.11	11.53		0
	1	49	11.19	11.09	11.57		0
	25	0	11.36	11.22	11.60	0-1	0
	25	12	11.26	11.18	11.56		0
	25	25	11.21	11.19	11.58		0
	50	0	11.27	11.24	11.59		0
16QAM	1	0	11.30	10.84	11.46	0-1	0
	1	25	10.89	10.94	11.53		0
	1	49	10.97	11.00	11.44		0
	25	0	10.87	10.72	11.31	0-2	0
	25	12	10.79	10.65	11.26		0
	25	25	10.62	10.67	11.21		0
	50	0	10.67	10.74	11.23		0
64QAM	1	0	11.11	10.69	11.33	0-2	0
	1	25	11.07	10.96	11.52		0
	1	49	11.00	10.97	11.44		0
	25	0	10.80	10.72	11.34	0-3	0
	25	12	10.72	10.66	11.28		0
	25	25	10.65	10.71	11.21		0
	50	0	10.72	10.77	11.28		0

Table 8-188
LTE Band 2 Conducted Powers Ant 1A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18625 (1852.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19175 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.41	11.18	11.45	0	0
	1	12	11.38	11.18	11.45		0
	1	24	11.35	11.12	11.46		0
	12	0	11.18	11.12	11.44	0-1	0
	12	6	11.23	11.12	11.49		0
	12	13	11.12	11.14	11.43		0
	25	0	11.26	11.17	11.50		0
16QAM	1	0	11.11	10.94	11.28	0-1	0
	1	12	10.91	10.95	11.29		0
	1	24	10.90	11.02	11.15		0
	12	0	10.67	10.61	10.75	0-2	0
	12	6	10.69	10.60	10.80		0
	12	13	10.67	10.62	10.82		0
	25	0	10.61	10.63	10.85		0
64QAM	1	0	11.12	10.88	11.26	0-2	0
	1	12	10.86	10.86	11.06		0
	1	24	10.95	11.04	11.16		0
	12	0	10.68	10.62	10.76	0-3	0
	12	6	10.64	10.60	10.84		0
	12	13	10.62	10.65	10.84		0
	25	0	10.60	10.68	10.80		0

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Table 8-189
LTE Band 2 Conducted Powers Ant 1A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18615 (1851.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19185 (1908.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.21	10.87	11.16	0	0
	1	7	11.23	10.94	11.14		0
	1	14	11.19	10.89	11.15		0
	8	0	11.13	10.94	11.23	0-1	0
	8	4	11.12	10.97	11.14		0
	8	7	11.10	10.97	11.16		0
	15	0	11.13	11.00	11.18		0
16QAM	1	0	10.98	10.82	11.14	0-1	0
	1	7	11.17	10.70	11.40		0
	1	14	10.93	10.94	11.30		0
	8	0	10.64	10.60	10.76	0-2	0
	8	4	10.65	10.63	10.74		0
	8	7	10.62	10.68	10.80		0
	15	0	10.62	10.62	10.70		0
64QAM	1	0	10.94	10.60	10.98	0-2	0
	1	7	11.07	10.90	11.05		0
	1	14	10.87	10.60	11.03		0
	8	0	10.62	10.63	10.73	0-3	0
	8	4	10.62	10.60	10.79		0
	8	7	10.63	10.66	10.85		0
	15	0	10.60	10.61	10.74		0

Table 8-190
LTE Band 2 Conducted Powers Ant 1A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18607 (1850.7 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19193 (1909.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.08	11.15	11.27	0	0
	1	2	11.28	11.08	11.26		0
	1	5	11.34	11.21	11.27		0
	3	0	11.19	11.07	11.32		0
	3	2	11.10	11.11	11.32		0
	3	3	11.16	11.11	11.32		0
	6	0	11.09	11.09	11.27	0-1	0
16QAM	1	0	10.97	10.92	11.20	0-1	0
	1	2	10.98	10.81	11.23		0
	1	5	11.05	11.02	11.31		0
	3	0	10.76	10.62	11.02		0
	3	2	10.70	10.72	10.97		0
	3	3	10.68	10.74	11.02		0
	6	0	10.60	10.63	10.85	0-2	0
64QAM	1	0	10.97	10.70	11.26	0-2	0
	1	2	11.07	10.65	11.10		0
	1	5	10.88	10.79	11.33		0
	3	0	10.79	10.60	11.17		0
	3	2	10.71	10.69	11.13		0
	3	3	10.71	10.65	11.06		0
	6	0	10.55	10.63	10.82	0-3	0

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Table 8-191
LTE Band 2 Conducted Powers Ant 3A - 20 MHz Bandwidth

LTE Band 2 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18700 (1860.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19100 (1900.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.50	14.43	14.49	0	0
	1	50	14.38	14.48	14.50		0
	1	99	14.47	14.51	**14.53**		0
	50	0	14.45	14.46	14.55	0-1	0
	50	25	14.37	14.52	**14.60**		0
	50	50	14.37	14.50	14.56		0
	100	0	14.34	14.51	14.52		0
16QAM	1	0	14.53	14.44	14.37	0-1	0
	1	50	14.40	14.39	14.41		0
	1	99	14.39	14.35	14.36		0
	50	0	14.26	14.19	14.16	0-2	0
	50	25	14.16	14.18	14.29		0
	50	50	14.20	14.15	14.17		0
	100	0	14.13	14.18	14.30		0
64QAM	1	0	14.07	14.40	14.27	0-2	0
	1	50	13.84	14.44	14.22		0
	1	99	14.10	14.55	14.35		0
	50	0	13.96	14.06	14.12	0-3	0
	50	25	13.87	14.12	14.16		0
	50	50	13.92	14.18	14.15		0
	100	0	13.86	14.10	14.23		0

Table 8-192
LTE Band 2 Conducted Powers Ant 3A - 15 MHz Bandwidth

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18675 (1857.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19125 (1902.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.20	14.18	14.33	0	0
	1	36	14.20	14.19	14.39		0
	1	74	14.03	14.36	14.13		0
	36	0	14.25	14.25	14.56	0-1	0
	36	18	14.27	14.27	14.56		0
	36	37	14.17	14.33	14.42		0
	75	0	14.24	14.25	14.53		0
16QAM	1	0	14.43	14.19	14.14	0-1	0
	1	36	14.15	14.29	14.60		0
	1	74	14.01	14.39	14.45		0
	36	0	14.00	14.06	14.17	0-2	0
	36	18	13.99	14.11	14.26		0
	36	37	13.95	14.11	14.19		0
	75	0	13.94	14.08	14.23		0
64QAM	1	0	14.37	13.96	14.33	0-2	0
	1	36	14.13	14.29	14.44		0
	1	74	14.11	14.24	14.17		0
	36	0	14.03	14.10	14.27	0-3	0
	36	18	14.01	14.13	14.32		0
	36	37	14.00	14.10	14.19		0
	75	0	13.95	14.07	14.27		0

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Table 8-193
LTE Band 2 Conducted Powers Ant 3A - 10 MHz Bandwidth

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18650 (1855.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19150 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.42	14.08	14.50	0	0
	1	25	14.29	14.08	14.42		0
	1	49	14.29	14.32	14.39		0
	25	0	14.36	14.22	14.51	0-1	0
	25	12	14.32	14.21	14.48		0
	25	25	14.30	14.30	14.49		0
	50	0	14.32	14.23	14.50		0
16QAM	1	0	14.56	14.11	14.41	0-1	0
	1	25	14.28	14.23	14.30		0
	1	49	14.14	14.18	14.42		0
	25	0	14.05	14.12	14.18	0-2	0
	25	12	14.03	14.11	14.17		0
	25	25	13.95	14.05	14.09		0
	50	0	14.02	14.04	14.13		0
64QAM	1	0	14.49	14.22	14.42	0-2	0
	1	25	14.20	14.14	14.38		0
	1	49	14.23	14.09	14.18		0
	25	0	14.06	14.11	14.30	0-3	0
	25	12	14.01	14.13	14.23		0
	25	25	13.92	14.08	14.15		0
	50	0	14.07	14.09	14.23		0

Table 8-194
LTE Band 2 Conducted Powers Ant 3A - 5 MHz Bandwidth

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18625 (1852.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19175 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.50	14.19	14.48	0	0
	1	12	14.36	14.13	14.44		0
	1	24	14.28	14.21	14.37		0
	12	0	14.42	14.18	14.44	0-1	0
	12	6	14.35	14.14	14.43		0
	12	13	14.27	14.14	14.34		0
	25	0	14.37	14.18	14.45		0
16QAM	1	0	14.45	14.07	14.43	0-1	0
	1	12	14.31	14.06	14.32		0
	1	24	14.34	14.07	14.34		0
	12	0	13.94	13.92	13.95	0-2	0
	12	6	13.92	13.93	13.98		0
	12	13	13.89	13.92	13.97		0
	25	0	13.87	13.90	13.99		0
64QAM	1	0	14.13	14.21	14.32	0-2	0
	1	12	14.29	14.18	14.34		0
	1	24	14.05	14.09	14.26		0
	12	0	14.00	13.97	14.05	0-3	0
	12	6	13.90	13.87	14.03		0
	12	13	13.90	13.89	14.03		0
	25	0	13.93	13.90	13.98		0

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Table 8-195
LTE Band 2 Conducted Powers Ant 3A - 3 MHz Bandwidth

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18615 (1851.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19185 (1908.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.57	14.28	14.50	0	0
	1	7	14.48	14.31	14.45		0
	1	14	14.55	14.26	14.42		0
	8	0	14.44	14.23	14.52	0-1	0
	8	4	14.47	14.23	14.43		0
	8	7	14.41	14.23	14.44		0
	15	0	14.49	14.25	14.47		0
16QAM	1	0	14.24	14.29	14.24	0-1	0
	1	7	14.44	14.13	14.25		0
	1	14	14.04	14.18	13.91		0
	8	0	13.88	13.89	13.83	0-2	0
	8	4	13.88	13.90	13.81		0
	8	7	13.83	13.89	13.82		0
	15	0	13.87	13.86	13.82		0
64QAM	1	0	14.20	13.95	14.10	0-2	0
	1	7	14.13	14.03	14.04		0
	1	14	14.11	14.13	14.08		0
	8	0	13.95	13.77	13.87	0-3	0
	8	4	13.90	13.86	13.88		0
	8	7	13.81	13.77	13.82		0
	15	0	13.84	13.75	13.84		0

Table 8-196
LTE Band 2 Conducted Powers Ant 3A - 1.4 MHz Bandwidth

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18607 (1850.7 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19193 (1909.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.32	14.14	14.42	0	0
	1	2	14.30	14.14	14.41		0
	1	5	14.28	14.16	14.40		0
	3	0	14.22	14.10	14.24		0
	3	2	14.24	14.13	14.23		0
	3	3	14.25	14.14	14.21		0
	6	0	14.17	14.12	14.16	0-1	0
16QAM	1	0	14.36	13.82	14.42	0-1	0
	1	2	14.35	14.07	14.48		0
	1	5	14.21	14.00	14.30		0
	3	0	14.06	13.79	14.13		0
	3	2	14.02	13.90	14.02		0
	3	3	14.00	13.82	14.06		0
	6	0	13.89	13.73	13.91	0-2	0
64QAM	1	0	14.30	14.11	14.17	0-2	0
	1	2	14.24	14.11	14.05		0
	1	5	14.42	14.06	14.20		0
	3	0	14.01	13.90	14.11		0
	3	2	14.10	13.95	14.12		0
	3	3	14.04	13.98	14.03		0
	6	0	13.93	13.94	13.77	0-3	0

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Table 8-197
LTE Band 2 Conducted Powers Ant 3A - 20 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 20 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18700 (1860.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19100 (1900.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.05	11.34	11.52	0	0
	1	50	10.88	11.26	11.51		0
	1	99	11.14	11.42	**11.58**		0
	50	0	10.97	11.23	11.49	0-1	0
	50	25	10.91	11.27	11.52		0
	50	50	10.96	11.40	**11.59**		0
	100	0	10.93	11.28	11.56		0
16QAM	1	0	11.01	11.26	11.50	0-1	0
	1	50	10.84	11.27	11.49		0
	1	99	11.11	11.42	11.52		0
	50	0	10.69	11.09	11.30	0-2	0
	50	25	10.65	11.12	11.39		0
	50	50	10.72	11.16	11.42		0
	100	0	10.74	11.10	11.39		0
64QAM	1	0	11.00	11.29	11.45	0-2	0
	1	50	10.71	11.23	11.42		0
	1	99	11.01	11.46	11.51		0
	50	0	10.69	11.10	11.36	0-3	0
	50	25	10.71	11.15	11.41		0
	50	50	10.73	11.17	11.44		0
	100	0	10.72	11.11	11.40		0

Table 8-198
LTE Band 2 Conducted Powers Ant 3A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18675 (1857.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19125 (1902.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.29	11.44	11.37	0	0
	1	36	11.13	11.52	11.49		0
	1	74	11.19	11.49	11.29		0
	36	0	11.27	11.41	11.52	0-1	0
	36	18	11.24	11.42	11.57		0
	36	37	11.28	11.43	11.42		0
	75	0	11.25	11.38	11.54		0
16QAM	1	0	11.45	11.29	11.34	0-1	0
	1	36	11.11	11.51	11.58		0
	1	74	11.17	11.45	11.46		0
	36	0	11.04	11.22	11.35	0-2	0
	36	18	11.01	11.26	11.44		0
	36	37	11.02	11.30	11.26		0
	75	0	10.98	11.22	11.36		0
64QAM	1	0	11.30	11.11	11.39	0-2	0
	1	36	11.08	11.37	11.51		0
	1	74	11.18	11.33	11.38		0
	36	0	11.02	11.23	11.39	0-3	0
	36	18	11.00	11.27	11.44		0
	36	37	11.02	11.28	11.28		0
	75	0	10.97	11.18	11.38		0

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Table 8-199
LTE Band 2 Conducted Powers Ant 3A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18650 (1855.0 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19150 (1905.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.30	11.28	11.46	0	0
	1	25	11.18	11.30	11.29		0
	1	49	11.14	11.30	11.30		0
	25	0	11.33	11.40	11.55	0-1	0
	25	12	11.25	11.39	11.43		0
	25	25	11.21	11.37	11.37		0
	50	0	11.24	11.38	11.43		0
16QAM	1	0	11.43	11.44	11.57	0-1	0
	1	25	11.30	11.45	11.46		0
	1	49	11.10	11.25	11.36		0
	25	0	11.13	11.19	11.38	0-2	0
	25	12	11.06	11.17	11.23		0
	25	25	10.95	11.11	11.21		0
	50	0	10.99	11.16	11.25		0
64QAM	1	0	11.34	11.19	11.42	0-2	0
	1	25	11.14	11.13	11.49		0
	1	49	11.00	11.07	11.32		0
	25	0	11.11	11.21	11.39	0-3	0
	25	12	10.99	11.19	11.32		0
	25	25	10.92	11.12	11.26		0
	50	0	10.97	11.17	11.29		0

Table 8-200
LTE Band 2 Conducted Powers Ant 3A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18625 (1852.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19175 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.47	11.28	11.24	0	0
	1	12	11.35	11.27	11.21		0
	1	24	11.47	11.23	11.24		0
	12	0	11.32	11.26	11.28	0-1	0
	12	6	11.26	11.26	11.30		0
	12	13	11.22	11.21	11.29		0
	25	0	11.28	11.24	11.29		0
16QAM	1	0	11.40	11.24	11.23	0-1	0
	1	12	11.29	11.16	11.32		0
	1	24	11.29	11.18	11.37		0
	12	0	10.88	10.96	10.95	0-2	0
	12	6	10.86	10.97	10.99		0
	12	13	10.79	11.00	10.93		0
	25	0	10.86	11.01	10.96		0
64QAM	1	0	10.90	11.18	11.27	0-2	0
	1	12	10.98	11.22	11.27		0
	1	24	11.04	11.05	11.31		0
	12	0	10.89	10.98	10.97	0-3	0
	12	6	10.85	11.04	11.09		0
	12	13	10.79	11.00	11.01		0
	25	0	10.84	10.93	11.04		0

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Table 8-201
LTE Band 2 Conducted Powers Ant 3A - 3 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18615 (1851.5 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19185 (1908.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.24	11.08	11.17	0	0
	1	7	11.29	11.11	11.18		0
	1	14	11.21	11.02	11.16		0
	8	0	11.19	11.11	11.22	0-1	0
	8	4	11.15	11.09	11.18		0
	8	7	11.14	11.12	11.19		0
	15	0	11.16	11.12	11.20		0
16QAM	1	0	11.06	11.24	11.39	0-1	0
	1	7	11.27	11.19	11.33		0
	1	14	10.98	11.23	11.34		0
	8	0	10.88	10.86	11.05	0-2	0
	8	4	10.83	10.86	11.02		0
	8	7	10.82	10.89	11.01		0
	15	0	10.77	10.87	11.01		0
64QAM	1	0	11.06	10.94	11.42	0-2	0
	1	7	11.16	11.08	11.37		0
	1	14	10.97	11.05	11.22		0
	8	0	10.87	10.81	11.04	0-3	0
	8	4	10.86	10.88	10.97		0
	8	7	10.79	10.89	11.02		0
	15	0	10.76	10.83	10.92		0

Table 8-202
LTE Band 2 Conducted Powers Ant 3A - 1.4 MHz Bandwidth, Inter-band ULCA Active

LTE Band 2 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 18607 (1850.7 MHz)	Mid Channel 18900 (1880.0 MHz)	High Channel 19193 (1909.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.35	11.07	11.43	0	0
	1	2	11.36	11.08	11.42		0
	1	5	11.25	11.09	11.44		0
	3	0	11.28	11.14	11.24		0
	3	2	11.32	11.08	11.22		0
	3	3	11.28	11.10	11.26		0
	6	0	11.25	11.09	11.22	0-1	0
16QAM	1	0	11.40	11.22	11.35	0-1	0
	1	2	11.28	11.21	11.21		0
	1	5	11.42	11.02	11.34		0
	3	0	11.07	11.01	10.92		0
	3	2	11.11	10.98	10.91		0
	3	3	11.13	11.00	10.96		0
	6	0	10.97	10.99	10.90	0-2	0
64QAM	1	0	11.33	11.23	11.37	0-2	0
	1	2	11.20	11.32	11.18		0
	1	5	11.29	11.25	11.47		0
	3	0	11.09	10.96	11.16		0
	3	2	11.09	11.01	11.10		0
	3	3	11.04	11.04	11.11		0
	6	0	10.95	10.95	11.00	0-3	0

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8.3.6 LTE Band 25

Table 8-203
LTE Band 25 Conducted Powers Ant 4 - 20 MHz Bandwidth

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	15.34	15.37	15.76	0	0
	1	50	15.23	15.41	**15.77**		0
	1	99	15.33	15.61	15.75		0
	50	0	15.41	15.36	**15.73**	0-1	0
	50	25	15.30	15.39	15.66		0
	50	50	15.34	15.44	15.59		0
	100	0	15.27	15.44	15.69		0
16QAM	1	0	15.59	15.54	15.92	0-1	0
	1	50	15.46	15.57	15.88		0
	1	99	15.64	15.81	15.81		0
	50	0	15.38	15.44	15.77	0-2	0
	50	25	15.27	15.43	15.72		0
	50	50	15.29	15.53	15.64		0
	100	0	15.27	15.44	15.69		0
64QAM	1	0	15.38	15.32	15.45	0-2	0
	1	50	15.28	15.41	15.58		0
	1	99	15.48	15.50	15.35		0
	50	0	15.33	15.34	15.81	0-3	0
	50	25	15.25	15.37	15.72		0
	50	50	15.26	15.42	15.57		0
	100	0	15.21	15.33	15.71		0

Table 8-204
LTE Band 25 Conducted Powers Ant 4 - 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26115 (1857.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26615 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.36	15.51	15.72	0	0
	1	36	15.45	15.39	15.66		0
	1	74	15.29	15.54	15.59		0
	36	0	15.40	15.41	15.90	0-1	0
	36	18	15.56	15.39	15.78		0
	36	37	15.45	15.49	15.68		0
	75	0	15.52	15.43	15.78		0
16QAM	1	0	15.60	15.67	15.80	0-1	0
	1	36	15.83	15.52	15.76		0
	1	74	15.58	15.65	15.77		0
	36	0	15.48	15.46	15.99	0-2	0
	36	18	15.62	15.44	15.80		0
	36	37	15.50	15.55	15.74		0
	75	0	15.55	15.46	15.82		0
64QAM	1	0	15.57	15.69	15.94	0-2	0
	1	36	15.55	15.56	15.82		0
	1	74	15.59	15.70	15.71		0
	36	0	15.47	15.44	15.96	0-3	0
	36	18	15.62	15.41	15.84		0
	36	37	15.50	15.52	15.72		0
	75	0	15.57	15.47	15.83		0

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Table 8-205
LTE Band 25 Conducted Powers Ant 4 - 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26090 (1855.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26640 (1910.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.47	15.60	15.69	0	0
	1	25	15.33	15.61	15.56		0
	1	49	15.43	15.67	15.65		0
	25	0	15.51	15.45	15.73	0-1	0
	25	12	15.43	15.45	15.66		0
	25	25	15.52	15.52	15.62		0
	50	0	15.44	15.52	15.69		0
16QAM	1	0	15.68	15.79	15.94	0-1	0
	1	25	15.62	15.83	15.79		0
	1	49	15.80	15.97	15.76		0
	25	0	15.55	15.51	15.76	0-2	0
	25	12	15.50	15.52	15.68		0
	25	25	15.56	15.59	15.62		0
	50	0	15.49	15.54	15.73		0
64QAM	1	0	15.67	15.79	15.88	0-2	0
	1	25	15.60	15.70	15.69		0
	1	49	15.67	15.96	15.70		0
	25	0	15.52	15.51	15.78	0-3	0
	25	12	15.44	15.50	15.68		0
	25	25	15.52	15.60	15.66		0
	50	0	15.47	15.52	15.71		0

Table 8-206
LTE Band 25 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26065 (1852.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26665 (1912.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.55	15.41	15.76	0	0
	1	12	15.43	15.45	15.77		0
	1	24	15.37	15.43	15.79		0
	12	0	15.38	15.28	15.62	0-1	0
	12	6	15.39	15.27	15.54		0
	12	13	15.32	15.34	15.55		0
	25	0	15.39	15.35	15.55		0
16QAM	1	0	15.70	15.58	15.98	0-1	0
	1	12	15.67	15.68	15.92		0
	1	24	15.62	15.55	15.97		0
	12	0	15.38	15.32	15.56	0-2	0
	12	6	15.39	15.25	15.55		0
	12	13	15.32	15.36	15.56		0
	25	0	15.39	15.33	15.53		0
64QAM	1	0	15.82	15.65	15.71	0-2	0
	1	12	15.70	15.61	15.95		0
	1	24	15.56	15.60	15.69		0
	12	0	15.38	15.31	15.64	0-3	0
	12	6	15.40	15.27	15.52		0
	12	13	15.30	15.32	15.58		0
	25	0	15.39	15.31	15.52		0

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Table 8-207
LTE Band 25 Conducted Powers Ant 4 - 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26055 (1851.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26675 (1913.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.30	15.30	15.37	0	0
	1	7	15.28	15.42	15.54		0
	1	14	15.24	15.37	15.47		0
	8	0	15.22	15.20	15.44	0-1	0
	8	4	15.24	15.27	15.46		0
	8	7	15.25	15.28	15.45		0
	15	0	15.27	15.28	15.48		0
16QAM	1	0	15.48	15.54	15.57	0-1	0
	1	7	15.52	15.74	15.72		0
	1	14	15.50	15.79	15.72		0
	8	0	15.28	15.22	15.41	0-2	0
	8	4	15.34	15.27	15.46		0
	8	7	15.33	15.24	15.45		0
	15	0	15.21	15.25	15.36		0
64QAM	1	0	15.56	15.67	15.60	0-2	0
	1	7	15.61	15.78	15.79		0
	1	14	15.48	15.75	15.66		0
	8	0	15.32	15.23	15.43	0-3	0
	8	4	15.28	15.29	15.41		0
	8	7	15.30	15.29	15.49		0
	15	0	15.20	15.26	15.42		0

Table 8-208
LTE Band 25 Conducted Powers Ant 4 - 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26047 (1850.7 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26683 (1914.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	15.41	15.29	15.69	0	0
	1	2	15.28	15.28	15.68		0
	1	5	15.30	15.34	15.69		0
	3	0	15.40	15.15	15.49		0
	3	2	15.28	15.24	15.52		0
	3	3	15.27	15.23	15.49		0
	6	0	15.25	15.20	15.42	0-1	0
16QAM	1	0	15.56	15.59	15.88	0-1	0
	1	2	15.70	15.58	15.86		0
	1	5	15.62	15.53	15.78		0
	3	0	15.57	15.30	15.62		0
	3	2	15.36	15.38	15.72		0
	3	3	15.43	15.32	15.76		0
	6	0	15.32	15.25	15.47	0-2	0
64QAM	1	0	15.77	15.50	15.82	0-2	0
	1	2	15.56	15.53	15.84		0
	1	5	15.65	15.64	15.82		0
	3	0	15.43	15.29	15.70		0
	3	2	15.50	15.33	15.68		0
	3	3	15.45	15.33	15.70		0
	6	0	15.32	15.24	15.47	0-3	0

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Table 8-209
LTE Band 25 Conducted Powers Ant 2A - 20 MHz Bandwidth

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	14.17	14.15	**14.20**	0	0
	1	50	13.95	13.96	14.05		0
	1	99	14.14	14.11	14.09		0
	50	0	14.15	14.08	**14.32**	0-1	0
	50	25	14.00	14.02	14.21		0
	50	50	14.09	14.21	14.17		0
	100	0	13.99	14.04	14.15		0
16QAM	1	0	14.15	14.33	14.22	0-1	0
	1	50	13.98	14.11	14.11		0
	1	99	14.12	14.34	14.12		0
	50	0	13.78	13.95	14.18	0-2	0
	50	25	13.77	13.90	14.09		0
	50	50	13.91	14.04	14.00		0
	100	0	14.14	13.90	14.07		0
64QAM	1	0	14.26	14.02	14.14	0-2	0
	1	50	14.07	13.91	14.00		0
	1	99	14.27	14.02	14.03		0
	50	0	13.80	13.96	14.17	0-3	0
	50	25	13.79	13.90	14.07		0
	50	50	13.94	14.05	13.97		0
	100	0	13.79	13.91	14.09		0

Table 8-210
LTE Band 25 Conducted Powers Ant 2A - 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26115 (1857.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26615 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.05	14.11	14.17	0	0
	1	36	13.82	14.20	14.06		0
	1	74	14.04	14.12	14.01		0
	36	0	14.12	14.12	14.23	0-1	0
	36	18	13.90	14.13	14.17		0
	36	37	14.02	14.17	14.08		0
	75	0	13.85	14.10	14.15		0
16QAM	1	0	14.07	13.95	14.13	0-1	0
	1	36	13.85	14.04	13.96		0
	1	74	13.97	14.07	14.26		0
	36	0	13.84	13.87	14.04	0-2	0
	36	18	13.61	13.87	13.94		0
	36	37	13.70	13.95	13.91		0
	75	0	13.70	13.80	13.94		0
64QAM	1	0	14.09	13.96	14.17	0-2	0
	1	36	13.70	13.77	14.18		0
	1	74	13.90	14.03	14.07		0
	36	0	13.88	13.83	14.07	0-3	0
	36	18	13.58	13.91	13.99		0
	36	37	13.69	13.99	13.92		0
	75	0	13.56	13.83	13.92		0

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Table 8-211
LTE Band 25 Conducted Powers Ant 2A - 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26090 (1855.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26640 (1910.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.05	14.14	14.03	0	0
	1	25	13.88	14.01	14.00		0
	1	49	13.79	14.11	14.10		0
	25	0	14.12	14.11	14.15	0-1	0
	25	12	14.02	14.13	14.11		0
	25	25	13.77	14.11	14.21		0
	50	0	13.94	14.14	14.12		0
16QAM	1	0	14.22	13.97	14.22	0-1	0
	1	25	13.83	14.00	14.15		0
	1	49	13.89	14.03	14.02		0
	25	0	13.95	13.83	13.96	0-2	0
	25	12	13.85	13.87	13.84		0
	25	25	13.62	13.95	13.94		0
	50	0	13.78	13.86	13.87		0
64QAM	1	0	14.06	13.84	14.19	0-2	0
	1	25	14.01	13.81	14.02		0
	1	49	13.79	13.94	14.13		0
	25	0	13.92	13.81	13.95	0-3	0
	25	12	13.83	13.89	13.88		0
	25	25	13.61	13.96	13.94		0
	50	0	13.72	13.85	13.86		0

Table 8-212
LTE Band 25 Conducted Powers Ant 2A - 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26065 (1852.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26665 (1912.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.18	13.93	14.00	0	0
	1	12	14.13	13.97	14.05		0
	1	24	14.02	13.99	13.97		0
	12	0	14.02	13.90	13.99	0-1	0
	12	6	14.00	13.91	14.05		0
	12	13	13.97	13.93	14.03		0
	25	0	14.02	13.90	14.06		0
16QAM	1	0	14.26	13.90	13.90	0-1	0
	1	12	14.17	13.91	14.03		0
	1	24	14.03	13.93	14.02		0
	12	0	13.71	13.61	13.75	0-2	0
	12	6	13.80	13.59	13.78		0
	12	13	13.71	13.69	13.71		0
	25	0	13.77	13.59	13.77		0
64QAM	1	0	14.03	13.80	14.07	0-2	0
	1	12	13.94	13.93	14.03		0
	1	24	13.83	13.88	13.91		0
	12	0	13.74	13.62	13.66	0-3	0
	12	6	13.74	13.64	13.71		0
	12	13	13.70	13.67	13.59		0
	25	0	13.72	13.59	13.67		0

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Table 8-213
LTE Band 25 Conducted Powers Ant 2A - 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26055 (1851.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26675 (1913.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.29	13.95	14.01	0	0
	1	7	14.36	13.99	14.00		0
	1	14	14.33	14.02	14.02		0
	8	0	14.21	14.02	14.09	0-1	0
	8	4	14.18	13.99	14.03		0
	8	7	14.24	13.94	14.05		0
	15	0	14.22	14.00	14.10		0
16QAM	1	0	14.28	13.87	13.85	0-1	0
	1	7	14.08	13.79	13.93		0
	1	14	14.14	13.89	13.84		0
	8	0	13.67	13.59	13.69	0-2	0
	8	4	13.63	13.59	13.74		0
	8	7	13.63	13.57	13.69		0
	15	0	13.70	13.56	13.73		0
64QAM	1	0	13.94	13.65	13.83	0-2	0
	1	7	13.92	13.71	14.02		0
	1	14	14.09	13.70	13.86		0
	8	0	13.63	13.55	13.70	0-3	0
	8	4	13.62	13.54	13.59		0
	8	7	13.74	13.58	13.65		0
	15	0	13.60	13.55	13.65		0

Table 8-214
LTE Band 25 Conducted Powers Ant 2A - 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26047 (1850.7 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26683 (1914.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.24	14.01	14.18	0	0
	1	2	14.21	14.14	14.16		0
	1	5	14.24	14.10	14.27		0
	3	0	14.26	14.06	14.15		0
	3	2	14.20	14.02	14.12		0
	3	3	14.24	14.00	14.21		0
	6	0	14.18	14.01	14.10	0-1	0
16QAM	1	0	14.10	13.85	14.05	0-1	0
	1	2	13.93	13.84	14.04		0
	1	5	13.83	13.92	14.21		0
	3	0	13.72	13.57	13.82		0
	3	2	13.73	13.65	13.83		0
	3	3	13.72	13.57	13.84		0
	6	0	13.70	13.49	13.67	0-2	0
64QAM	1	0	13.97	13.94	14.01	0-2	0
	1	2	13.87	13.73	14.09		0
	1	5	13.86	13.98	13.97		0
	3	0	13.72	13.72	13.75		0
	3	2	13.75	13.79	13.71		0
	3	3	13.73	13.82	13.85		0
	6	0	13.60	13.53	13.66	0-3	0

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Table 8-215
LTE Band 25 Conducted Powers Ant 1A - 20 MHz Bandwidth

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	14.13	14.19	14.45	0	0
	1	50	13.99	14.24	**14.46**		0
	1	99	14.12	14.34	14.45		0
	50	0	14.10	14.21	14.48	0-1	0
	50	25	14.04	14.32	**14.49**		0
	50	50	14.08	14.38	14.33		0
	100	0	14.05	14.34	14.38		0
16QAM	1	0	14.02	14.19	14.42	0-1	0
	1	50	13.92	14.22	14.32		0
	1	99	14.16	14.28	14.34		0
	50	0	13.72	14.01	14.28	0-2	0
	50	25	13.74	14.11	14.17		0
	50	50	13.81	14.17	14.09		0
	100	0	13.78	14.13	14.14		0
64QAM	1	0	14.09	14.29	14.43	0-2	0
	1	50	14.00	14.17	14.40		0
	1	99	13.97	14.41	14.49		0
	50	0	14.14	14.26	14.32	0-3	0
	50	25	13.89	13.96	14.18		0
	50	50	13.72	14.09	14.15		0
	100	0	13.80	13.98	14.18		0

Table 8-216
LTE Band 25 Conducted Powers Ant 1A - 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26115 (1857.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26615 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.43	14.26	14.60	0	0
	1	36	14.27	14.20	14.38		0
	1	74	14.26	14.34	14.40		0
	36	0	14.14	14.34	14.52	0-1	0
	36	18	14.18	14.32	14.50		0
	36	37	14.17	14.43	14.54		0
	75	0	14.19	14.33	14.50		0
16QAM	1	0	14.20	14.40	14.54	0-1	0
	1	36	14.11	14.25	14.52		0
	1	74	14.08	14.52	14.60		0
	36	0	13.93	14.09	14.32	0-2	0
	36	18	14.00	14.07	14.29		0
	36	37	14.04	14.20	14.30		0
	75	0	13.91	14.09	14.29		0
64QAM	1	0	14.13	14.25	14.43	0-2	0
	1	36	14.18	14.38	14.52		0
	1	74	14.13	14.22	14.49		0
	36	0	14.06	14.50	14.58	0-3	0
	36	18	13.87	13.94	14.14		0
	36	37	13.98	14.05	14.27		0
	75	0	13.86	14.01	14.19		0

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Table 8-217
LTE Band 25 Conducted Powers Ant 1A - 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26090 (1855.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26640 (1910.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.21	14.28	14.39	0	0
	1	25	14.09	14.23	14.46		0
	1	49	14.17	14.39	14.43		0
	25	0	14.25	14.30	14.49	0-1	0
	25	12	14.17	14.27	14.56		0
	25	25	14.23	14.33	14.56		0
	50	0	14.16	14.33	14.56		0
16QAM	1	0	14.24	14.36	14.54	0-1	0
	1	25	14.13	14.38	14.45		0
	1	49	14.24	14.33	14.60		0
	25	0	14.12	14.05	14.21	0-2	0
	25	12	13.98	14.05	14.25		0
	25	25	14.08	14.10	14.30		0
	50	0	13.97	14.12	14.30		0
64QAM	1	0	13.95	14.40	14.28	0-2	0
	1	25	14.22	14.34	14.52		0
	1	49	14.02	14.38	14.26		0
	25	0	14.22	14.31	14.58	0-3	0
	25	12	13.76	13.87	13.99		0
	25	25	13.96	14.03	14.23		0
	50	0	13.72	13.91	14.00		0

Table 8-218
LTE Band 25 Conducted Powers Ant 1A - 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26065 (1852.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26665 (1912.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.28	14.28	14.36	0	0
	1	12	14.25	14.27	14.37		0
	1	24	14.28	14.33	14.37		0
	12	0	14.20	14.14	14.46	0-1	0
	12	6	14.16	14.10	14.44		0
	12	13	14.15	14.21	14.42		0
	25	0	14.17	14.22	14.41		0
16QAM	1	0	14.06	14.51	14.39	0-1	0
	1	12	14.21	14.44	14.34		0
	1	24	14.13	14.49	14.37		0
	12	0	13.87	13.99	14.11	0-2	0
	12	6	13.87	13.98	14.10		0
	12	13	13.80	14.06	14.06		0
	25	0	13.83	14.02	14.11		0
64QAM	1	0	14.09	13.90	14.20	0-2	0
	1	12	14.04	14.49	14.37		0
	1	24	13.89	14.00	14.22		0
	12	0	14.11	14.47	14.35	0-3	0
	12	6	13.69	13.67	13.79		0
	12	13	13.85	13.96	14.08		0
	25	0	13.67	13.66	13.80		0

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Table 8-219
LTE Band 25 Conducted Powers Ant 1A - 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26055 (1851.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26675 (1913.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.10	14.12	14.14	0	0
	1	7	14.12	14.19	14.26		0
	1	14	14.09	14.17	14.25		0
	8	0	14.14	14.02	13.90	0-1	0
	8	4	14.05	14.04	14.03		0
	8	7	14.07	14.08	14.09		0
	15	0	14.08	14.08	14.08		0
16QAM	1	0	14.20	14.01	13.82	0-1	0
	1	7	13.97	14.20	14.43		0
	1	14	14.00	14.11	14.22		0
	8	0	13.93	13.71	13.66	0-2	0
	8	4	13.80	13.78	13.76		0
	8	7	13.80	13.74	13.68		0
	15	0	13.78	13.77	13.76		0
64QAM	1	0	14.26	14.33	14.54	0-2	0
	1	7	14.18	13.99	13.80		0
	1	14	14.42	14.41	14.42		0
	8	0	13.98	14.09	14.20	0-3	0
	8	4	14.12	14.10	14.32		0
	8	7	13.78	13.76	13.74		0
	15	0	14.08	13.94	14.17		0

Table 8-220
LTE Band 25 Conducted Powers Ant 1A - 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26047 (1850.7 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26683 (1914.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.12	14.19	14.57	0	0
	1	2	14.11	14.17	14.56		0
	1	5	14.15	14.27	14.56		0
	3	0	14.10	14.09	14.37		0
	3	2	14.15	14.15	14.37		0
	3	3	14.16	14.19	14.35		0
	6	0	14.09	14.15	14.32	0-1	0
16QAM	1	0	14.37	14.44	14.55	0-1	0
	1	2	14.38	14.55	14.54		0
	1	5	14.53	14.52	14.53		0
	3	0	14.20	14.17	14.44		0
	3	2	14.23	14.21	14.43		0
	3	3	14.25	14.26	14.35		0
	6	0	14.19	14.05	14.28	0-2	0
64QAM	1	0	14.26	14.33	14.54	0-2	0
	1	2	14.47	14.44	14.53		0
	1	5	14.42	14.41	14.42		0
	3	0	14.23	14.50	14.51		0
	3	2	14.12	14.10	14.32		0
	3	3	14.14	14.15	14.24		0
	6	0	14.08	13.94	14.17	0-3	0

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Table 8-221
LTE Band 25 Conducted Powers Ant 3A - 20 MHz Bandwidth

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	14.35	14.16	**14.55**	0	0
	1	50	14.11	14.12	14.45		0
	1	99	14.27	14.33	14.54		0
	50	0	14.18	14.34	**14.49**	0-1	0
	50	25	14.13	14.35	14.46		0
	50	50	14.14	14.47	14.30		0
	100	0	14.12	14.36	14.47		0
16QAM	1	0	14.22	14.24	14.58	0-1	0
	1	50	13.91	14.23	14.46		0
	1	99	14.19	14.37	14.57		0
	50	0	13.95	14.07	14.28	0-2	0
	50	25	13.88	14.08	14.19		0
	50	50	13.89	14.13	14.10		0
	100	0	13.88	14.12	14.21		0
64QAM	1	0	14.11	14.38	14.36	0-2	0
	1	50	13.91	14.27	14.34		0
	1	99	14.09	14.46	14.31		0
	50	0	13.96	14.08	14.26	0-3	0
	50	25	13.86	14.11	14.19		0
	50	50	13.88	14.12	14.11		0
	100	0	13.87	14.11	14.22		0

Table 8-222
LTE Band 25 Conducted Powers Ant 3A - 15 MHz Bandwidth

LTE Band 25 (PCS) 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26115 (1857.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26615 (1907.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.32	14.31	14.29	0	0
	1	36	14.10	14.40	14.32		0
	1	74	14.05	14.51	14.40		0
	36	0	14.21	14.30	14.39	0-1	0
	36	18	14.19	14.32	14.40		0
	36	37	14.17	14.45	14.41		0
	75	0	14.17	14.38	14.40		0
16QAM	1	0	14.31	14.24	14.33	0-1	0
	1	36	13.97	14.27	14.49		0
	1	74	14.09	14.33	14.45		0
	36	0	13.98	14.04	14.18	0-2	0
	36	18	13.90	14.07	14.18		0
	36	37	13.93	14.18	14.16		0
	75	0	13.88	14.06	14.14		0
64QAM	1	0	14.36	14.06	14.19	0-2	0
	1	36	14.05	14.21	14.35		0
	1	74	14.09	14.19	14.45		0
	36	0	13.99	14.06	14.21	0-3	0
	36	18	13.92	14.06	14.22		0
	36	37	13.95	14.20	14.22		0
	75	0	13.89	14.07	14.17		0

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Table 8-223
LTE Band 25 Conducted Powers Ant 3A - 10 MHz Bandwidth

LTE Band 25 (PCS) 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26090 (1855.0 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26640 (1910.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.29	14.24	14.26	0	0
	1	25	14.10	14.24	14.30		0
	1	49	14.07	14.35	14.35		0
	25	0	14.25	14.29	14.38	0-1	0
	25	12	14.14	14.27	14.33		0
	25	25	14.09	14.34	14.41		0
	50	0	14.13	14.36	14.37		0
16QAM	1	0	14.39	14.20	14.46	0-1	0
	1	25	14.17	14.38	14.43		0
	1	49	14.22	14.35	14.44		0
	25	0	14.08	14.15	14.18	0-2	0
	25	12	14.04	14.15	14.04		0
	25	25	13.95	14.18	14.18		0
	50	0	14.00	14.19	14.10		0
64QAM	1	0	14.43	14.14	14.16	0-2	0
	1	25	14.22	14.12	14.32		0
	1	49	14.20	14.22	14.34		0
	25	0	14.06	14.16	14.21	0-3	0
	25	12	14.03	14.16	14.10		0
	25	25	13.99	14.22	14.22		0
	50	0	14.04	14.20	14.17		0

Table 8-224
LTE Band 25 Conducted Powers Ant 3A - 5 MHz Bandwidth

LTE Band 25 (PCS) 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26065 (1852.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26665 (1912.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.37	14.14	14.12	0	0
	1	12	14.27	14.18	14.17		0
	1	24	14.19	14.15	14.17		0
	12	0	14.20	14.11	14.20	0-1	0
	12	6	14.12	14.07	14.22		0
	12	13	14.03	14.09	14.17		0
	25	0	14.11	14.14	14.24		0
16QAM	1	0	14.43	14.11	14.38	0-1	0
	1	12	14.27	14.17	14.21		0
	1	24	14.41	14.15	14.28		0
	12	0	14.04	13.92	13.91	0-2	0
	12	6	13.95	13.90	13.96		0
	12	13	13.97	13.88	13.97		0
	25	0	13.88	13.93	13.97		0
64QAM	1	0	14.14	14.33	14.31	0-2	0
	1	12	14.16	14.03	14.35		0
	1	24	14.01	14.23	14.30		0
	12	0	13.98	13.86	13.97	0-3	0
	12	6	13.89	13.82	13.98		0
	12	13	13.93	13.83	14.00		0
	25	0	13.90	13.93	13.92		0

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Table 8-225
LTE Band 25 Conducted Powers Ant 3A - 3 MHz Bandwidth

LTE Band 25 (PCS) 3 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26055 (1851.5 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26675 (1913.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.28	14.06	14.12	0	0
	1	7	14.31	14.15	14.09		0
	1	14	14.20	14.05	14.10		0
	8	0	14.21	14.08	14.14	0-1	0
	8	4	14.16	14.10	14.13		0
	8	7	14.11	14.03	14.18		0
	15	0	14.14	14.10	14.16		0
16QAM	1	0	14.32	14.25	14.25	0-1	0
	1	7	14.29	14.11	14.15		0
	1	14	14.14	14.25	14.20		0
	8	0	13.91	13.85	13.86	0-2	0
	8	4	13.86	13.87	13.82		0
	8	7	13.82	13.88	13.97		0
	15	0	13.88	13.89	13.86		0
64QAM	1	0	14.17	13.92	14.30	0-2	0
	1	7	14.27	14.13	14.24		0
	1	14	14.10	14.03	14.17		0
	8	0	13.91	13.81	13.87	0-3	0
	8	4	13.86	13.89	13.86		0
	8	7	13.82	13.98	13.89		0
	15	0	13.87	13.91	13.90		0

Table 8-226
LTE Band 25 Conducted Powers Ant 3A - 1.4 MHz Bandwidth

LTE Band 25 (PCS) 1.4 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 26047 (1850.7 MHz)	Mid Channel 26365 (1882.5 MHz)	High Channel 26683 (1914.3 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.37	14.12	14.49	0	0
	1	2	14.35	14.08	14.47		0
	1	5	14.33	14.14	14.40		0
	3	0	14.25	14.12	14.18		0
	3	2	14.26	14.14	14.18		0
	3	3	14.29	14.11	14.19		0
	6	0	14.23	14.10	14.15	0-1	0
16QAM	1	0	14.30	14.04	14.21	0-1	0
	1	2	14.34	13.89	14.36		0
	1	5	14.14	14.24	14.22		0
	3	0	14.02	13.83	14.08		0
	3	2	14.06	13.93	14.06		0
	3	3	14.00	13.94	14.09		0
	6	0	13.91	13.95	13.97	0-2	0
64QAM	1	0	14.19	14.21	14.31	0-2	0
	1	2	14.33	14.09	14.51		0
	1	5	14.16	14.03	14.22		0
	3	0	14.05	13.78	14.27		0
	3	2	14.06	13.97	14.28		0
	3	3	13.94	13.92	14.26		0
	6	0	13.85	13.97	13.93	0-3	0

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8.3.7 LTE Band 30

Table 8-227
LTE Band 30 Conducted Powers Ant 4 - 10 MHz Bandwidth

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	13.55	0	0
	1	25	13.45		0
	1	49	**13.58**		0
	25	0	**13.54**	0-1	0
	25	12	13.42		0
	25	25	13.44		0
	50	0	13.50		0
16QAM	1	0	13.60	0-1	0
	1	25	13.52		0
	1	49	13.61		0
	25	0	13.07	0-2	0
	25	12	13.00		0
	25	25	13.05		0
	50	0	13.00		0
64QAM	1	0	13.70	0-2	0
	1	25	13.65		0
	1	49	13.70		0
	25	0	13.39	0-3	0
	25	12	13.25		0
	25	25	13.32		0
	50	0	13.27		0

Table 8-228
LTE Band 30 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 30 5 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	13.63	0	0
	1	12	13.48		0
	1	24	13.56		0
	12	0	13.57	0-1	0
	12	6	13.46		0
	12	13	13.7		0
	25	0	13.52		0
16QAM	1	0	13.7	0-1	0
	1	12	13.57		0
	1	24	13.54		0
	12	0	13.06	0-2	0
	12	6	13.07		0
	12	13	13.21		0
	25	0	13.11		0
64QAM	1	0	13.68	0-2	0
	1	12	13.57		0
	1	24	13.65		0
	12	0	13.12	0-3	0
	12	6	13.04		0
	12	13	13.27		0
	25	0	13.06		0

Note: LTE Band 30 at 5 MHz bandwidth does 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.

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Table 8-229
LTE Band 30 Conducted Powers Ant 4 - 10 MHz Bandwidth, Inter-band ULCA Active

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	10.44	0	0
	1	25	10.50		0
	1	49	**10.68**		0
	25	0	10.61	0-1	0
	25	12	10.62		0
	25	25	**10.65**		0
	50	0	10.63		0
16QAM	1	0	10.39	0-1	0
	1	25	10.41		0
	1	49	10.62		0
	25	0	10.34	0-2	0
	25	12	10.36		0
	25	25	10.40		0
	50	0	10.38		0
64QAM	1	0	10.56	0-2	0
	1	25	10.61		0
	1	49	10.68		0
	25	0	10.51	0-3	0
	25	12	10.39		0
	25	25	10.52		0
	50	0	10.41		0

Table 8-230
LTE Band 30 Conducted Powers Ant 4 - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 30 5 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	10.43	0	0
	1	12	10.55		0
	1	24	10.39		0
	12	0	10.43	0-1	0
	12	6	10.35		0
	12	13	10.36		0
	25	0	10.30		0
16QAM	1	0	10.42	0-1	0
	1	12	10.41		0
	1	24	10.39		0
	12	0	10.23	0-2	0
	12	6	10.17		0
	12	13	10.02		0
	25	0	10.09		0
64QAM	1	0	10.29	0-2	0
	1	12	10.21		0
	1	24	10.18		0
	12	0	10.19	0-3	0
	12	6	10.14		0
	12	13	10.11		0
	25	0	10.10		0

Note: LTE Band 30 at 5 MHz bandwidth does 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.

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Table 8-231
LTE Band 30 Conducted Powers Ant 2A - 10 MHz Bandwidth

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	12.85	0	0
	1	25	**12.90**		0
	1	49	12.72		0
	25	0	12.81	0-1	0
	25	12	12.82		0
	25	25	**12.88**		0
	50	0	12.87		0
16QAM	1	0	12.81	0-1	0
	1	25	12.73		0
	1	49	12.65		0
	25	0	12.64	0-2	0
	25	12	12.65		0
	25	25	12.62		0
	50	0	12.65		0
64QAM	1	0	12.80	0-2	0
	1	25	12.81		0
	1	49	12.63		0
	25	0	12.64	0-3	0
	25	12	12.65		0
	25	25	12.66		0
	50	0	12.73		0

Table 8-232
LTE Band 30 Conducted Powers Ant 2A - 5 MHz Bandwidth

LTE Band 30 5 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	12.52	0	0
	1	12	12.64		0
	1	24	12.72		0
	12	0	12.79	0-1	0
	12	6	12.69		0
	12	13	12.71		0
	25	0	12.82		0
16QAM	1	0	12.73	0-1	0
	1	12	12.83		0
	1	24	12.93		0
	12	0	12.47	0-2	0
	12	6	12.48		0
	12	13	12.46		0
	25	0	12.50		0
64QAM	1	0	12.70	0-2	0
	1	12	12.88		0
	1	24	12.90		0
	12	0	12.43	0-3	0
	12	6	12.42		0
	12	13	12.43		0
	25	0	12.46		0

Note: LTE Band 30 at 5 MHz bandwidth does 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.

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Table 8-233
LTE Band 30 Conducted Powers Ant 2A - 10 MHz Bandwidth, Inter-band ULCA Active

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	9.74	0	0
	1	25	**9.84**		0
	1	49	9.62		0
	25	0	9.64	0-1	0
	25	12	9.80		0
	25	25	**9.85**		0
	50	0	9.83		0
16QAM	1	0	9.90	0-1	0
	1	25	9.67		0
	1	49	9.61		0
	25	0	9.54	0-2	0
	25	12	9.50		0
	25	25	9.47		0
	50	0	9.56		0
64QAM	1	0	9.75	0-2	0
	1	25	9.68		0
	1	49	9.55		0
	25	0	9.45	0-3	0
	25	12	9.50		0
	25	25	9.59		0
	50	0	9.57		0

Table 8-234
LTE Band 30 Conducted Powers Ant 2A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 30 5 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	9.74	0	0
	1	12	9.77		0
	1	24	9.81		0
	12	0	9.63	0-1	0
	12	6	9.71		0
	12	13	9.49		0
	25	0	9.65		0
16QAM	1	0	9.95	0-1	0
	1	12	9.99		0
	1	24	9.97		0
	12	0	9.57	0-2	0
	12	6	9.67		0
	12	13	9.43		0
	25	0	9.59		0
64QAM	1	0	9.92	0-2	0
	1	12	9.87		0
	1	24	9.94		0
	12	0	9.54	0-3	0
	12	6	9.67		0
	12	13	9.40		0
	25	0	9.58		0

Note: LTE Band 30 at 5 MHz bandwidth does 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.

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Table 8-235
LTE Band 30 Conducted Powers Ant 1A - 10 MHz Bandwidth

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	14.26	0	0
	1	25	14.17		0
	1	49	**14.38**		0
	25	0	14.40	0-1	0
	25	12	14.25		0
	25	25	**14.42**		0
	50	0	14.31		0
16QAM	1	0	14.32	0-1	0
	1	25	14.26		0
	1	49	14.41		0
	25	0	14.19	0-2	0
	25	12	14.03		0
	25	25	14.24		0
	50	0	14.06		0
64QAM	1	0	14.29	0-2	0
	1	25	14.25		0
	1	49	14.42		0
	25	0	14.19	0-3	0
	25	12	14.01		0
	25	25	14.26		0
	50	0	14.07		0

Table 8-236
LTE Band 30 Conducted Powers Ant 1A - 5 MHz Bandwidth

LTE Band 30 5 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	14.20	0	0
	1	12	14.04		0
	1	24	14.28		0
	12	0	14.21	0-1	0
	12	6	14.18		0
	12	13	14.25		0
	25	0	14.17		0
16QAM	1	0	14.39	0-1	0
	1	12	14.17		0
	1	24	14.33		0
	12	0	13.98	0-2	0
	12	6	13.93		0
	12	13	14.00		0
	25	0	13.90		0
64QAM	1	0	14.34	0-2	0
	1	12	14.13		0
	1	24	14.30		0
	12	0	14.00	0-3	0
	12	6	13.91		0
	12	13	13.98		0
	25	0	13.91		0

Note: LTE Band 30 at 5 MHz bandwidth does 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.

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Table 8-237
LTE Band 30 Conducted Powers Ant 1A - 10 MHz Bandwidth, Inter-band ULCA Active

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	11.18	0	0
	1	25	**11.37**		0
	1	49	11.04		0
	25	0	11.24	0-1	0
	25	12	11.28		0
	25	25	**11.36**		0
	50	0	11.35		0
16QAM	1	0	11.24	0-1	0
	1	25	11.40		0
	1	49	11.22		0
	25	0	11.04	0-2	0
	25	12	11.15		0
	25	25	11.23		0
	50	0	11.18		0
64QAM	1	0	11.17	0-2	0
	1	25	11.27		0
	1	49	11.22		0
	25	0	11.04	0-3	0
	25	12	11.15		0
	25	25	11.25		0
	50	0	11.20		0

Table 8-238
LTE Band 30 Conducted Powers Ant 1A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 30 5 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	11.07	0	0
	1	12	10.98		0
	1	24	11.32		0
	12	0	11.15	0-1	0
	12	6	11.07		0
	12	13	11.15		0
	25	0	11.11		0
16QAM	1	0	11.36	0-1	0
	1	12	10.97		0
	1	24	11.36		0
	12	0	10.91	0-2	0
	12	6	10.74		0
	12	13	10.92		0
	25	0	10.72		0
64QAM	1	0	11.15	0-2	0
	1	12	10.95		0
	1	24	11.36		0
	12	0	10.85	0-3	0
	12	6	10.77		0
	12	13	10.85		0
	25	0	10.73		0

Note: LTE Band 30 at 5 MHz bandwidth does 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.

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Table 8-239
LTE Band 30 Conducted Powers Ant 3A - 10 MHz Bandwidth

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	**13.01**	0	0
	1	25	12.96		0
	1	49	12.76		0
	25	0	13.00	0-1	0
	25	12	12.96		0
	25	25	**13.01**		0
	50	0	13.00		0
16QAM	1	0	13.20	0-1	0
	1	25	13.20		0
	1	49	13.09		0
	25	0	13.03	0-2	0
	25	12	13.02		0
	25	25	13.03		0
	50	0	13.04		0
64QAM	1	0	13.20	0-2	0
	1	25	13.13		0
	1	49	12.94		0
	25	0	13.09	0-3	0
	25	12	13.04		0
	25	25	13.06		0
	50	0	13.03		0

Table 8-240
LTE Band 30 Conducted Powers Ant 3A - 5 MHz Bandwidth

LTE Band 30 5 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	12.92	0	0
	1	12	12.88		0
	1	24	12.92		0
	12	0	12.98	0-1	0
	12	6	12.96		0
	12	13	12.89		0
	25	0	13.04		0
16QAM	1	0	13.20	0-1	0
	1	12	13.12		0
	1	24	13.20		0
	12	0	12.91	0-2	0
	12	6	12.92		0
	12	13	12.94		0
	25	0	13.00		0
64QAM	1	0	13.20	0-2	0
	1	12	13.18		0
	1	24	13.20		0
	12	0	12.97	0-3	0
	12	6	12.91		0
	12	13	12.84		0
	25	0	13.02		0

Note: LTE Band 30 at 5 MHz bandwidth does 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.

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Table 8-241
LTE Band 30 Conducted Powers Ant 3A - 10 MHz Bandwidth, Inter-band ULCA Active

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	**10.18**	0	0
	1	25	9.97		0
	1	49	9.62		0
	25	0	**10.06**	0-1	0
	25	12	9.95		0
	25	25	9.94		0
	50	0	10.02		0
16QAM	1	0	10.11	0-1	0
	1	25	9.95		0
	1	49	9.63		0
	25	0	9.77	0-2	0
	25	12	9.72		0
	25	25	9.70		0
	50	0	10.02		0
64QAM	1	0	10.09	0-2	0
	1	25	9.86		0
	1	49	9.43		0
	25	0	9.79	0-3	0
	25	12	9.69		0
	25	25	9.68		0
	50	0	9.76		0

Table 8-242
LTE Band 30 Conducted Powers Ant 3A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 30 5 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	10.08	0	0
	1	12	10.00		0
	1	24	9.83		0
	12	0	10.24	0-1	0
	12	6	10.20		0
	12	13	10.04		0
	25	0	10.12		0
16QAM	1	0	10.35	0-1	0
	1	12	10.12		0
	1	24	10.09		0
	12	0	10.22	0-2	0
	12	6	10.17		0
	12	13	10.04		0
	25	0	10.11		0
64QAM	1	0	10.28	0-2	0
	1	12	10.11		0
	1	24	9.90		0
	12	0	10.19	0-3	0
	12	6	10.13		0
	12	13	10.03		0
	25	0	10.01		0

Note: LTE Band 30 at 5 MHz bandwidth does 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.

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8.3.8 LTE Band 7

Table 8-243
LTE Band 7 Conducted Powers Ant 4 - 20 MHz Bandwidth

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	**13.66**	13.45	13.24	0	0
	1	50	13.39	13.38	13.34		0
	1	99	13.65	13.45	13.40		0
	50	0	13.60	13.48	13.39	0-1	0
	50	25	13.53	13.44	13.49		0
	50	50	**13.63**	13.47	13.50		0
	100	0	13.45	13.43	13.47		0
16QAM	1	0	13.70	13.52	13.51	0-1	0
	1	50	13.47	13.41	13.58		0
	1	99	13.50	13.51	13.57		0
	50	0	13.13	13.02	12.99	0-2	0
	50	25	13.08	13.00	13.03		0
	50	50	13.11	13.06	13.05		0
	100	0	13.06	12.96	13.00		0
64QAM	1	0	13.61	13.23	13.25	0-2	0
	1	50	13.48	13.22	13.30		0
	1	99	13.52	13.09	13.25		0
	50	0	13.21	13.03	13.02	0-3	0
	50	25	13.18	12.94	13.02		0
	50	50	13.26	12.97	13.03		0
	100	0	13.13	12.93	13.02		0

Table 8-244
LTE Band 7 Conducted Powers Ant 4 - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20825 (2507.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21375 (2562.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.52	13.51	13.38	0	0
	1	36	13.33	13.43	13.36		0
	1	74	13.40	13.56	13.63		0
	36	0	13.52	13.40	13.55	0-1	0
	36	18	13.48	13.37	13.46		0
	36	37	13.47	13.47	13.60		0
	75	0	13.51	13.47	13.46		0
16QAM	1	0	13.55	13.50	13.66	0-1	0
	1	36	13.36	13.50	13.50		0
	1	74	13.37	13.59	13.70		0
	36	0	13.36	13.18	13.34	0-2	0
	36	18	13.33	13.20	13.28		0
	36	37	13.30	13.33	13.36		0
	75	0	13.30	13.25	13.27		0
64QAM	1	0	13.70	13.39	13.44	0-2	0
	1	36	13.38	13.30	13.51		0
	1	74	13.32	13.44	13.44		0
	36	0	13.45	13.27	13.30	0-3	0
	36	18	13.32	13.27	13.48		0
	36	37	13.33	13.35	13.44		0
	75	0	13.30	13.33	13.39		0

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Table 8-245
LTE Band 7 Conducted Powers Ant 4 - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20800 (2505.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21400 (2565.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.60	13.37	13.42	0	0
	1	25	13.46	13.36	13.42		0
	1	49	13.42	13.42	13.60		0
	25	0	13.64	13.37	13.44	0-1	0
	25	12	13.56	13.37	13.53		0
	25	25	13.51	13.51	13.64		0
	50	0	13.56	13.47	13.55		0
16QAM	1	0	13.65	13.45	13.41	0-1	0
	1	25	13.57	13.55	13.30		0
	1	49	13.58	13.49	13.68		0
	25	0	13.44	13.17	13.26	0-2	0
	25	12	13.43	13.20	13.31		0
	25	25	13.40	13.31	13.46		0
	50	0	13.41	13.26	13.34		0
64QAM	1	0	13.70	13.49	13.65	0-2	0
	1	25	13.61	13.44	13.58		0
	1	49	13.32	13.54	13.55		0
	25	0	13.65	13.24	13.35	0-3	0
	25	12	13.49	13.22	13.36		0
	25	25	13.32	13.39	13.38		0
	50	0	13.48	13.35	13.39		0

Table 8-246
LTE Band 7 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20775 (2502.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21425 (2567.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.53	13.35	13.37	0	0
	1	12	13.53	13.33	13.49		0
	1	24	13.60	13.41	13.53		0
	12	0	13.48	13.20	13.50	0-1	0
	12	6	13.49	13.20	13.58		0
	12	13	13.50	13.24	13.58		0
	25	0	13.51	13.25	13.62		0
16QAM	1	0	13.63	13.28	13.31	0-1	0
	1	12	13.61	13.56	13.65		0
	1	24	13.61	13.47	13.70		0
	12	0	13.23	13.04	13.35	0-2	0
	12	6	13.21	12.98	13.34		0
	12	13	13.22	13.09	13.36		0
	25	0	13.24	13.03	13.32		0
64QAM	1	0	13.49	12.98	13.48	0-2	0
	1	12	13.37	13.27	13.51		0
	1	24	13.48	13.46	13.59		0
	12	0	13.25	12.99	13.20	0-3	0
	12	6	13.25	13.02	13.17		0
	12	13	13.14	13.09	13.18		0
	25	0	13.25	13.12	13.13		0

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Table 8-247
LTE Band 7 Conducted Powers Ant 4 - 20 MHz Bandwidth, Inter-band ULCA Active

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	10.43	10.48	10.54	0	0
	1	50	10.17	10.33	10.60		0
	1	99	10.27	10.37	**10.65**		0
	50	0	10.34	10.38	10.49	0-1	0
	50	25	10.32	10.33	10.58		0
	50	50	10.35	10.35	**10.64**		0
	100	0	10.50	10.33	10.53		0
16QAM	1	0	10.29	10.08	10.55	0-1	0
	1	50	10.44	10.21	10.46		0
	1	99	10.52	10.43	10.36		0
	50	0	10.21	10.10	10.09	0-2	0
	50	25	10.31	10.23	10.11		0
	50	50	10.44	10.31	10.05		0
	100	0	10.26	10.05	10.10		0
64QAM	1	0	10.41	10.53	10.45	0-2	0
	1	50	10.14	10.34	10.33		0
	1	99	10.10	10.25	10.12		0
	50	0	10.23	10.08	10.25	0-3	0
	50	25	10.24	10.01	10.16		0
	50	50	10.27	10.03	10.15		0
	100	0	10.23	10.00	10.11		0

Table 8-248
LTE Band 7 Conducted Powers Ant 4 - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20825 (2507.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21375 (2562.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.38	10.51	10.31	0	0
	1	36	10.30	10.33	10.42		0
	1	74	10.47	10.34	10.43		0
	36	0	10.52	10.37	10.53	0-1	0
	36	18	10.44	10.31	10.50		0
	36	37	10.44	10.33	10.46		0
	75	0	10.41	10.37	10.47		0
16QAM	1	0	10.46	10.26	10.55	0-1	0
	1	36	10.20	10.05	10.44		0
	1	74	10.31	10.07	10.36		0
	36	0	10.27	10.14	10.26	0-2	0
	36	18	10.09	10.08	10.15		0
	36	37	10.06	10.12	10.14		0
	75	0	10.04	10.05	10.09		0
64QAM	1	0	10.37	10.34	10.47	0-2	0
	1	36	10.18	10.14	10.28		0
	1	74	10.02	10.22	10.21		0
	36	0	10.20	10.12	10.30	0-3	0
	36	18	10.18	10.10	10.19		0
	36	37	10.19	10.16	10.11		0
	75	0	10.14	10.05	10.09		0

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Table 8-249
LTE Band 7 Conducted Powers Ant 4 - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20800 (2505.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21400 (2565.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.51	10.35	10.45	0	0
	1	25	10.28	10.27	10.23		0
	1	49	10.11	10.38	10.35		0
	25	0	10.53	10.37	10.36	0-1	0
	25	12	10.36	10.33	10.30		0
	25	25	10.17	10.45	10.35		0
	50	0	10.38	10.44	10.36		0
16QAM	1	0	10.57	10.44	10.54	0-1	0
	1	25	10.68	10.23	10.43		0
	1	49	10.50	10.51	10.49		0
	25	0	10.36	10.21	10.12	0-2	0
	25	12	10.28	10.17	10.13		0
	25	25	10.25	10.11	10.17		0
	50	0	10.24	10.09	10.10		0
64QAM	1	0	10.30	10.57	10.53	0-2	0
	1	25	10.42	10.49	10.25		0
	1	49	10.27	10.36	10.34		0
	25	0	10.30	10.23	10.19	0-3	0
	25	12	10.26	10.16	10.09		0
	25	25	10.24	10.30	10.14		0
	50	0	10.20	10.26	10.13		0

Table 8-250
LTE Band 7 Conducted Powers Ant 4 - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20775 (2502.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21425 (2567.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.51	10.24	10.07	0	0
	1	12	10.54	10.11	10.08		0
	1	24	10.51	10.19	10.16		0
	12	0	10.35	10.19	10.17	0-1	0
	12	6	10.37	10.11	10.19		0
	12	13	10.38	10.23	10.22		0
	25	0	10.33	10.18	10.19		0
16QAM	1	0	10.60	10.28	10.19	0-1	0
	1	12	10.63	10.45	10.24		0
	1	24	10.51	10.34	10.24		0
	12	0	10.19	9.98	9.96	0-2	0
	12	6	10.14	9.91	9.96		0
	12	13	10.11	10.00	9.99		0
	25	0	10.06	9.97	9.94		0
64QAM	1	0	10.54	10.14	10.24	0-2	0
	1	12	10.35	9.87	10.16		0
	1	24	10.56	10.00	10.34		0
	12	0	10.26	9.88	10.01	0-3	0
	12	6	10.24	9.82	10.15		0
	12	13	10.22	9.88	10.09		0
	25	0	10.17	9.90	10.05		0

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Table 8-251
LTE Band 7 Conducted Powers Ant 2A - 20 MHz Bandwidth

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	14.10	14.43	14.42	0	0
	1	50	14.22	14.40	14.31		0
	1	99	14.35	**14.52**	14.37		0
	50	0	14.33	14.29	14.38	0-1	0
	50	25	14.38	14.38	14.34		0
	50	50	14.46	**14.50**	14.41		0
	100	0	14.40	14.41	14.36		0
16QAM	1	0	14.24	14.50	14.30	0-1	0
	1	50	14.30	14.47	14.11		0
	1	99	14.47	14.60	14.34		0
	50	0	14.12	14.11	14.07	0-2	0
	50	25	14.16	14.17	14.09		0
	50	50	14.23	14.22	14.13		0
	100	0	14.19	14.19	14.10		0
64QAM	1	0	13.81	14.48	14.27	0-2	0
	1	50	13.95	14.40	13.82		0
	1	99	14.01	14.33	13.90		0
	50	0	13.82	14.00	13.90	0-3	0
	50	25	13.92	14.08	13.80		0
	50	50	13.99	14.16	13.79		0
	100	0	13.93	14.06	13.80		0

Table 8-252
LTE Band 7 Conducted Powers Ant 2A - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20825 (2507.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21375 (2562.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.06	14.13	14.16	0	0
	1	36	14.25	14.32	14.16		0
	1	74	14.28	14.22	14.15		0
	36	0	14.20	14.28	14.19	0-1	0
	36	18	14.25	14.37	14.30		0
	36	37	14.25	14.28	14.23		0
	75	0	14.27	14.35	14.28		0
16QAM	1	0	14.19	14.42	14.51	0-1	0
	1	36	14.49	14.51	14.51		0
	1	74	14.60	14.48	14.33		0
	36	0	14.24	14.40	14.26	0-2	0
	36	18	14.32	14.50	14.38		0
	36	37	14.37	14.41	14.31		0
	75	0	14.32	14.46	14.36		0
64QAM	1	0	14.23	14.46	14.39	0-2	0
	1	36	14.36	14.60	14.30		0
	1	74	14.46	14.60	14.39		0
	36	0	14.24	14.35	14.33	0-3	0
	36	18	14.30	14.49	14.11		0
	36	37	14.33	14.43	14.15		0
	75	0	14.33	14.43	14.21		0

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Table 8-253
LTE Band 7 Conducted Powers Ant 2A - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20800 (2505.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21400 (2565.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	14.13	14.27	14.06	0	0
	1	25	14.31	14.31	14.08		0
	1	49	14.36	14.28	14.22		0
	25	0	14.22	14.31	14.24	0-1	0
	25	12	14.24	14.39	14.22		0
	25	25	14.30	14.32	14.28		0
	50	0	14.27	14.39	14.25		0
16QAM	1	0	14.28	14.57	14.34	0-1	0
	1	25	14.54	14.44	14.36		0
	1	49	14.54	14.47	14.14		0
	25	0	14.23	14.38	14.35	0-2	0
	25	12	14.23	14.41	14.29		0
	25	25	14.29	14.36	14.34		0
	50	0	14.25	14.44	14.34		0
64QAM	1	0	14.21	14.60	14.53	0-2	0
	1	25	14.29	14.60	14.20		0
	1	49	14.38	14.60	14.35		0
	25	0	14.29	14.44	14.38	0-3	0
	25	12	14.29	14.50	14.20		0
	25	25	14.30	14.40	14.21		0
	50	0	14.28	14.48	14.19		0

Table 8-254
LTE Band 7 Conducted Powers Ant 2A - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20775 (2502.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21425 (2567.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.93	14.18	14.21	0	0
	1	12	14.03	14.22	14.23		0
	1	24	14.11	14.15	14.31		0
	12	0	13.87	14.22	14.05	0-1	0
	12	6	13.95	14.21	14.07		0
	12	13	14.01	14.20	14.13		0
	25	0	13.99	14.22	14.08		0
16QAM	1	0	14.23	14.42	14.39	0-1	0
	1	12	14.38	14.53	14.38		0
	1	24	14.46	14.56	14.49		0
	12	0	14.07	14.34	14.16	0-2	0
	12	6	14.12	14.30	14.20		0
	12	13	14.20	14.38	14.21		0
	25	0	14.11	14.34	14.18		0
64QAM	1	0	14.30	14.59	14.44	0-2	0
	1	12	14.35	14.56	14.25		0
	1	24	14.38	14.54	14.30		0
	12	0	13.94	14.35	14.11	0-3	0
	12	6	13.97	14.35	14.09		0
	12	13	14.08	14.26	14.17		0
	25	0	13.98	14.34	14.11		0

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Table 8-255
LTE Band 7 Conducted Powers Ant 2A - 20 MHz Bandwidth, Inter-band ULCA Active

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	11.19	11.54	**11.60**	0	0
	1	50	11.29	11.56	11.25		0
	1	99	11.56	11.57	11.43		0
	50	0	11.17	11.43	**11.58**	0-1	0
	50	25	11.25	11.53	11.41		0
	50	50	11.37	11.57	11.44		0
	100	0	11.26	11.52	11.38		0
16QAM	1	0	11.23	11.38	11.56	0-1	0
	1	50	11.34	11.58	11.17		0
	1	99	11.60	11.60	11.34		0
	50	0	11.15	11.12	11.36	0-2	0
	50	25	11.17	11.31	11.22		0
	50	50	11.25	11.35	11.07		0
	100	0	11.08	11.14	11.10		0
64QAM	1	0	10.99	11.55	11.47	0-2	0
	1	50	11.05	11.60	11.00		0
	1	99	11.40	11.57	11.21		0
	50	0	11.14	11.12	11.24	0-3	0
	50	25	11.18	11.31	11.06		0
	50	50	11.26	11.36	11.08		0
	100	0	11.08	11.12	11.09		0

Table 8-256
LTE Band 7 Conducted Powers Ant 2A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20825 (2507.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21375 (2562.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.84	11.43	11.15	0	0
	1	36	11.15	11.59	11.20		0
	1	74	11.24	11.42	11.23		0
	36	0	11.16	11.41	11.15	0-1	0
	36	18	11.25	11.47	11.22		0
	36	37	11.28	11.36	11.19		0
	75	0	11.22	11.38	11.19		0
16QAM	1	0	10.96	11.03	11.46	0-1	0
	1	36	11.40	11.21	11.43		0
	1	74	11.43	11.19	11.41		0
	36	0	11.14	10.99	11.15	0-2	0
	36	18	11.28	11.04	11.19		0
	36	37	11.25	10.96	11.13		0
	75	0	11.22	11.04	11.10		0
64QAM	1	0	11.36	10.86	11.35	0-2	0
	1	36	11.49	11.03	11.27		0
	1	74	11.52	11.00	11.43		0
	36	0	11.16	10.96	11.19	0-3	0
	36	18	11.25	11.07	11.21		0
	36	37	11.22	11.01	11.15		0
	75	0	11.22	11.02	11.10		0

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Table 8-257
LTE Band 7 Conducted Powers Ant 2A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20800 (2505.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21400 (2565.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.17	11.20	10.98	0	0
	1	25	11.08	11.28	11.01		0
	1	49	11.17	11.25	11.22		0
	25	0	11.10	11.28	11.11	0-1	0
	25	12	11.17	11.38	11.13		0
	25	25	11.22	11.33	11.22		0
	50	0	11.18	11.39	11.13		0
16QAM	1	0	10.94	11.33	11.10	0-1	0
	1	25	11.31	11.47	11.03		0
	1	49	11.34	11.26	11.42		0
	25	0	10.97	11.06	10.90	0-2	0
	25	12	10.95	11.12	10.86		0
	25	25	11.07	11.10	11.03		0
	50	0	10.98	11.12	10.86		0
64QAM	1	0	10.99	11.30	10.91	0-2	0
	1	25	11.19	11.19	11.02		0
	1	49	11.30	11.31	11.22		0
	25	0	10.94	11.09	10.89	0-3	0
	25	12	10.94	11.16	10.90		0
	25	25	11.08	11.12	11.05		0
	50	0	10.99	11.14	10.91		0

Table 8-258
LTE Band 7 Conducted Powers Ant 2A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20775 (2502.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21425 (2567.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.96	11.30	10.88	0	0
	1	12	11.14	11.41	10.96		0
	1	24	11.15	11.34	11.09		0
	12	0	10.92	11.33	11.00	0-1	0
	12	6	10.96	11.36	11.08		0
	12	13	11.03	11.36	11.11		0
	25	0	10.97	11.37	11.08		0
16QAM	1	0	11.13	11.17	11.04	0-1	0
	1	12	11.25	11.27	11.17		0
	1	24	11.23	11.34	11.35		0
	12	0	10.64	10.97	10.65	0-2	0
	12	6	10.72	10.94	10.84		0
	12	13	10.77	11.04	10.86		0
	25	0	10.68	10.95	10.79		0
64QAM	1	0	10.86	11.31	11.08	0-2	0
	1	12	11.06	11.18	10.91		0
	1	24	10.73	11.24	11.13		0
	12	0	10.62	10.94	10.61	0-3	0
	12	6	10.68	10.98	10.82		0
	12	13	10.76	11.02	10.86		0
	25	0	10.68	10.95	10.77		0

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Table 8-259
LTE Band 7 Conducted Powers Ant 1A - 20 MHz Bandwidth

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	13.51	13.42	13.38	0	0
	1	50	**13.71**	13.49	13.24		0
	1	99	13.70	13.55	13.26		0
	50	0	13.53	13.50	13.34	0-1	0
	50	25	**13.70**	13.51	13.26		0
	50	50	13.56	13.54	13.20		0
	100	0	13.69	13.45	13.26		0
16QAM	1	0	13.71	13.66	13.68	0-1	0
	1	50	13.84	13.56	13.61		0
	1	99	13.90	13.54	13.67		0
	50	0	13.16	13.23	13.32	0-2	0
	50	25	13.22	13.18	13.25		0
	50	50	13.26	13.22	13.23		0
	100	0	13.19	13.40	13.21		0
64QAM	1	0	13.41	13.81	13.48	0-2	0
	1	50	13.59	13.79	13.38		0
	1	99	13.64	13.82	13.32		0
	50	0	13.22	13.31	13.15	0-3	0
	50	25	13.31	13.30	13.00		0
	50	50	13.28	13.34	12.98		0
	100	0	13.18	13.23	13.05		0

Table 8-260
LTE Band 7 Conducted Powers Ant 1A - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20825 (2507.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21375 (2562.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.48	13.52	13.03	0	0
	1	36	13.60	13.66	13.11		0
	1	74	13.57	13.58	13.38		0
	36	0	13.51	13.65	13.15	0-1	0
	36	18	13.52	13.72	13.23		0
	36	37	13.54	13.66	13.33		0
	75	0	13.50	13.70	13.23		0
16QAM	1	0	13.62	13.69	13.37	0-1	0
	1	36	13.74	13.86	13.44		0
	1	74	13.84	13.90	13.71		0
	36	0	13.58	13.58	13.17	0-2	0
	36	18	13.60	13.65	13.25		0
	36	37	13.62	13.59	13.39		0
	75	0	13.56	13.61	13.28		0
64QAM	1	0	13.54	13.61	13.32	0-2	0
	1	36	13.71	13.73	13.35		0
	1	74	13.74	13.79	13.66		0
	36	0	13.62	13.56	13.17	0-3	0
	36	18	13.63	13.65	13.26		0
	36	37	13.68	13.59	13.38		0
	75	0	13.57	13.60	13.25		0

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Table 8-261
LTE Band 7 Conducted Powers Ant 1A - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20800 (2505.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21400 (2565.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.42	13.52	13.10	0	0
	1	25	13.41	13.55	13.21		0
	1	49	13.60	13.57	13.38		0
	25	0	13.57	13.61	13.22	0-1	0
	25	12	13.54	13.64	13.32		0
	25	25	13.55	13.60	13.44		0
	50	0	13.48	13.65	13.33		0
16QAM	1	0	13.57	13.84	13.51	0-1	0
	1	25	13.50	13.83	13.63		0
	1	49	13.74	13.89	13.77		0
	25	0	13.57	13.61	13.34	0-2	0
	25	12	13.54	13.65	13.50		0
	25	25	13.53	13.67	13.57		0
	50	0	13.44	13.66	13.44		0
64QAM	1	0	13.56	13.83	13.42	0-2	0
	1	25	13.56	13.85	13.58		0
	1	49	13.77	13.87	13.73		0
	25	0	13.57	13.62	13.33	0-3	0
	25	12	13.55	13.65	13.43		0
	25	25	13.53	13.67	13.57		0
	50	0	13.47	13.69	13.43		0

Table 8-262
LTE Band 7 Conducted Powers Ant 1A - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20775 (2502.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21425 (2567.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	13.21	13.61	13.09	0	0
	1	12	13.34	13.63	13.14		0
	1	24	13.36	13.66	13.19		0
	12	0	13.26	13.51	13.23	0-1	0
	12	6	13.32	13.51	13.29		0
	12	13	13.32	13.54	13.34		0
	25	0	13.34	13.53	13.30		0
16QAM	1	0	13.44	13.77	13.53	0-1	0
	1	12	13.61	13.87	13.71		0
	1	24	13.53	13.80	13.74		0
	12	0	13.24	13.55	13.30	0-2	0
	12	6	13.32	13.57	13.36		0
	12	13	13.32	13.60	13.42		0
	25	0	13.34	13.55	13.35		0
64QAM	1	0	13.49	13.64	13.51	0-2	0
	1	12	13.61	13.68	13.62		0
	1	24	13.60	13.72	13.62		0
	12	0	13.23	13.56	13.26	0-3	0
	12	6	13.31	13.56	13.35		0
	12	13	13.33	13.56	13.39		0
	25	0	13.32	13.45	13.29		0

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Table 8-263
LTE Band 7 Conducted Powers Ant 1A - 20 MHz Bandwidth, Inter-band ULCA Active

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	10.49	10.82	10.70	0	0
	1	50	10.63	10.64	10.28		0
	1	99	10.66	**10.88**	10.42		0
	50	0	10.51	10.60	10.48	0-1	0
	50	25	10.64	10.63	10.30		0
	50	50	10.61	**10.75**	10.50		0
	100	0	10.64	10.62	10.43		0
16QAM	1	0	10.20	10.89	10.85	0-1	0
	1	50	10.47	10.77	10.58		0
	1	99	10.56	10.90	10.69		0
	50	0	10.25	10.45	10.41	0-2	0
	50	25	10.37	10.50	10.37		0
	50	50	10.38	10.60	10.45		0
	100	0	10.40	10.48	10.37		0
64QAM	1	0	10.13	10.70	10.65	0-2	0
	1	50	10.36	10.57	10.67		0
	1	99	10.41	10.86	10.70		0
	50	0	10.20	10.41	10.42	0-3	0
	50	25	10.38	10.48	10.35		0
	50	50	10.37	10.61	10.48		0
	100	0	10.37	10.26	10.20		0

Table 8-264
LTE Band 7 Conducted Powers Ant 1A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20825 (2507.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21375 (2562.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.25	10.75	10.30	0	0
	1	36	10.49	10.90	10.13		0
	1	74	10.64	10.87	10.44		0
	36	0	10.58	10.73	10.17	0-1	0
	36	18	10.60	10.82	10.24		0
	36	37	10.67	10.80	10.37		0
	75	0	10.58	10.77	10.26		0
16QAM	1	0	10.42	10.68	10.40	0-1	0
	1	36	10.59	10.79	10.15		0
	1	74	10.41	10.76	10.48		0
	36	0	10.35	10.45	10.00	0-2	0
	36	18	10.31	10.49	10.03		0
	36	37	10.35	10.44	10.11		0
	75	0	10.28	10.48	10.03		0
64QAM	1	0	10.43	10.45	10.30	0-2	0
	1	36	10.45	10.60	10.20		0
	1	74	10.42	10.75	10.45		0
	36	0	10.35	10.41	10.02	0-3	0
	36	18	10.30	10.56	10.07		0
	36	37	10.33	10.48	10.18		0
	75	0	10.27	10.50	10.06		0

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Table 8-265
LTE Band 7 Conducted Powers Ant 1A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20800 (2505.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21400 (2565.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.29	10.59	10.24	0	0
	1	25	10.30	10.64	10.24		0
	1	49	10.54	10.64	10.39		0
	25	0	10.51	10.69	10.21	0-1	0
	25	12	10.44	10.71	10.30		0
	25	25	10.49	10.69	10.39		0
	50	0	10.45	10.71	10.32		0
16QAM	1	0	10.04	10.44	10.36	0-1	0
	1	25	10.31	10.44	10.16		0
	1	49	10.64	10.52	10.50		0
	25	0	10.18	10.41	10.00	0-2	0
	25	12	10.14	10.44	10.02		0
	25	25	10.18	10.39	10.22		0
	50	0	10.14	10.42	10.06		0
64QAM	1	0	10.24	10.65	10.22	0-2	0
	1	25	10.34	10.71	10.28		0
	1	49	10.46	10.60	10.32		0
	25	0	10.12	10.42	10.00	0-3	0
	25	12	10.13	10.46	10.02		0
	25	25	10.18	10.42	10.24		0
	50	0	10.16	10.44	10.06		0

Table 8-266
LTE Band 7 Conducted Powers Ant 1A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20775 (2502.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21425 (2567.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	10.37	10.62	10.28	0	0
	1	12	10.58	10.67	10.23		0
	1	24	10.57	10.61	10.25		0
	12	0	10.27	10.53	10.19	0-1	0
	12	6	10.36	10.57	10.24		0
	12	13	10.36	10.58	10.30		0
	25	0	10.37	10.55	10.25		0
16QAM	1	0	10.26	10.75	10.39	0-1	0
	1	12	10.36	10.74	10.39		0
	1	24	10.34	10.69	10.36		0
	12	0	9.99	10.32	10.00	0-2	0
	12	6	10.05	10.31	10.05		0
	12	13	10.03	10.38	10.12		0
	25	0	9.99	10.31	10.03		0
64QAM	1	0	10.05	10.45	10.27	0-2	0
	1	12	9.93	10.64	10.43		0
	1	24	10.06	10.60	10.36		0
	12	0	9.97	10.36	9.98	0-3	0
	12	6	10.03	10.42	10.09		0
	12	13	10.00	10.44	10.09		0
	25	0	10.00	10.32	10.06		0

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Table 8-267
LTE Band 7 Conducted Powers Ant 3A - 20 MHz Bandwidth

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	11.66	**11.97**	11.57	0	0
	1	50	11.60	11.76	11.12		0
	1	99	11.73	11.80	11.44		0
	50	0	11.69	11.74	11.52	0-1	0
	50	25	11.76	11.57	11.50		0
	50	50	**11.92**	11.62	11.40		0
	100	0	11.71	11.57	11.16		0
16QAM	1	0	11.97	11.88	11.60	0-1	0
	1	50	11.82	11.72	11.31		0
	1	99	12.00	11.95	11.55		0
	50	0	11.31	11.26	11.00	0-2	0
	50	25	11.35	11.25	10.88		0
	50	50	11.52	11.33	10.95		0
	100	0	11.36	11.22	10.82		0
64QAM	1	0	11.39	11.46	11.67	0-2	0
	1	50	11.51	11.31	11.45		0
	1	99	11.55	11.46	11.72		0
	50	0	11.40	11.31	11.24	0-3	0
	50	25	11.48	11.37	11.18		0
	50	50	11.56	11.44	11.27		0
	100	0	11.51	11.28	11.20		0

Table 8-268
LTE Band 7 Conducted Powers Ant 3A - 15 MHz Bandwidth

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20825 (2507.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21375 (2562.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.76	11.43	11.42	0	0
	1	36	12.00	11.51	11.44		0
	1	74	11.99	11.60	11.56		0
	36	0	11.77	11.59	11.44	0-1	0
	36	18	11.87	11.61	11.53		0
	36	37	11.89	11.70	11.61		0
	75	0	11.83	11.63	11.53		0
16QAM	1	0	11.42	11.62	11.62	0-1	0
	1	36	11.79	11.81	11.53		0
	1	74	11.68	11.91	11.79		0
	36	0	11.51	11.50	11.11	0-2	0
	36	18	11.61	11.51	11.24		0
	36	37	11.65	11.59	11.27		0
	75	0	11.55	11.52	11.23		0
64QAM	1	0	11.37	11.75	11.23	0-2	0
	1	36	11.69	11.67	11.44		0
	1	74	11.56	11.72	11.52		0
	36	0	11.53	11.48	11.15	0-3	0
	36	18	11.61	11.48	11.31		0
	36	37	11.66	11.57	11.35		0
	75	0	11.58	11.50	11.25		0

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Table 8-269
LTE Band 7 Conducted Powers Ant 3A - 10 MHz Bandwidth

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20800 (2505.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21400 (2565.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.52	11.49	11.34	0	0
	1	25	11.63	11.50	11.45		0
	1	49	11.82	11.67	11.68		0
	25	0	11.75	11.56	11.54	0-1	0
	25	12	11.71	11.53	11.53		0
	25	25	11.76	11.73	11.67		0
	50	0	11.73	11.62	11.58		0
16QAM	1	0	11.52	12.00	11.53	0-1	0
	1	25	11.49	11.99	11.56		0
	1	49	11.82	11.88	11.93		0
	25	0	11.36	11.51	11.24	0-2	0
	25	12	11.48	11.56	11.34		0
	25	25	11.51	11.61	11.39		0
	50	0	11.44	11.54	11.22		0
64QAM	1	0	11.44	11.89	11.50	0-2	0
	1	25	11.49	11.69	11.52		0
	1	49	11.97	11.84	11.66		0
	25	0	11.50	11.54	11.23	0-3	0
	25	12	11.46	11.51	11.34		0
	25	25	11.58	11.59	11.49		0
	50	0	11.44	11.58	11.32		0

Table 8-270
LTE Band 7 Conducted Powers Ant 3A - 5 MHz Bandwidth

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20775 (2502.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21425 (2567.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	11.58	11.58	11.34	0	0
	1	12	11.70	11.58	11.41		0
	1	24	11.71	11.72	11.49		0
	12	0	11.62	11.40	11.42	0-1	0
	12	6	11.69	11.41	11.49		0
	12	13	11.65	11.47	11.58		0
	25	0	11.71	11.49	11.57		0
16QAM	1	0	11.30	11.70	11.57	0-1	0
	1	12	11.91	11.82	11.56		0
	1	24	11.70	11.76	11.61		0
	12	0	11.20	11.30	11.23	0-2	0
	12	6	11.22	11.33	11.22		0
	12	13	11.19	11.29	11.30		0
	25	0	11.29	11.23	11.26		0
64QAM	1	0	11.42	11.40	11.60	0-2	0
	1	12	11.48	11.72	11.62		0
	1	24	11.57	11.47	11.56		0
	12	0	11.22	11.23	11.18	0-3	0
	12	6	11.33	11.27	11.19		0
	12	13	11.24	11.30	11.26		0
	25	0	11.23	11.29	11.27		0

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Table 8-271
LTE Band 7 Conducted Powers Ant 3A - 20 MHz Bandwidth, Inter-band ULCA Active

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	8.53	8.92	8.63	0	0
	1	50	8.50	**8.98**	8.06		0
	1	99	8.74	8.97	8.25		0
	50	0	8.53	8.77	8.45	0-1	0
	50	25	8.51	8.90	8.37		0
	50	50	8.59	**8.93**	8.51		0
	100	0	8.52	8.67	8.39		0
16QAM	1	0	8.23	9.00	8.74	0-1	0
	1	50	8.27	8.98	8.17		0
	1	99	8.65	8.97	8.34		0
	50	0	8.22	8.50	8.20	0-2	0
	50	25	8.47	8.61	8.01		0
	50	50	8.38	8.71	8.06		0
	100	0	8.31	8.53	8.04		0
64QAM	1	0	8.13	8.81	8.75	0-2	0
	1	50	8.15	8.76	8.33		0
	1	99	8.52	8.77	8.44		0
	50	0	8.21	8.51	8.11	0-3	0
	50	25	8.29	8.60	8.00		0
	50	50	8.35	8.72	8.01		0
	100	0	8.31	8.54	8.13		0

Table 8-272
LTE Band 7 Conducted Powers Ant 3A - 15 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 15 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20825 (2507.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21375 (2562.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	8.42	8.62	8.14	0	0
	1	36	8.58	8.69	8.15		0
	1	74	8.55	8.72	8.29		0
	36	0	8.63	8.57	8.09	0-1	0
	36	18	8.66	8.58	8.24		0
	36	37	8.71	8.70	8.30		0
	75	0	8.66	8.63	8.24		0
16QAM	1	0	8.18	8.57	8.30	0-1	0
	1	36	8.56	8.76	8.31		0
	1	74	8.73	8.63	8.48		0
	36	0	8.22	8.39	7.96	0-2	0
	36	18	8.32	8.39	8.05		0
	36	37	8.43	8.40	8.15		0
	75	0	8.32	8.39	8.03		0
64QAM	1	0	8.14	8.44	8.27	0-2	0
	1	36	8.46	8.57	8.09		0
	1	74	8.60	8.31	8.41		0
	36	0	8.24	8.39	7.99	0-3	0
	36	18	8.33	8.38	8.10		0
	36	37	8.41	8.47	8.23		0
	75	0	8.32	8.41	8.07		0

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Table 8-273
LTE Band 7 Conducted Powers Ant 3A - 10 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 10 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20800 (2505.0 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21400 (2565.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	8.33	8.47	8.18	0	0
	1	25	8.37	8.54	8.14		0
	1	49	8.50	8.66	8.33		0
	25	0	8.46	8.56	8.21	0-1	0
	25	12	8.42	8.55	8.24		0
	25	25	8.51	8.72	8.35		0
	50	0	8.45	8.63	8.26		0
16QAM	1	0	8.29	8.54	8.33	0-1	0
	1	25	8.33	8.71	8.36		0
	1	49	8.72	8.50	8.34		0
	25	0	8.17	8.45	8.04	0-2	0
	25	12	8.16	8.41	8.08		0
	25	25	8.25	8.50	8.21		0
	50	0	8.20	8.49	8.12		0
64QAM	1	0	8.17	8.43	8.35	0-2	0
	1	25	8.39	8.58	8.23		0
	1	49	8.47	8.50	8.33		0
	25	0	8.14	8.49	7.98	0-3	0
	25	12	8.16	8.46	8.13		0
	25	25	8.27	8.54	8.21		0
	50	0	8.15	8.48	8.11		0

Table 8-274
LTE Band 7 Conducted Powers Ant 3A - 5 MHz Bandwidth, Inter-band ULCA Active

LTE Band 7 5 MHz Bandwidth							
Modulation	RB Size	RB Offset	Low Channel 20775 (2502.5 MHz)	Mid Channel 21100 (2535.0 MHz)	High Channel 21425 (2567.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]				
QPSK	1	0	8.59	8.66	8.14	0	0
	1	12	8.66	8.55	8.02		0
	1	24	8.77	8.76	8.13		0
	12	0	8.42	8.43	8.21	0-1	0
	12	6	8.43	8.44	8.27		0
	12	13	8.55	8.62	8.29		0
	25	0	8.51	8.41	8.29		0
16QAM	1	0	8.58	8.54	8.53	0-1	0
	1	12	8.63	8.53	8.50		0
	1	24	8.77	8.58	8.46		0
	12	0	8.21	8.25	8.14	0-2	0
	12	6	8.21	8.21	8.12		0
	12	13	8.26	8.22	8.15		0
	25	0	8.19	8.21	8.09		0
64QAM	1	0	8.10	8.41	8.62	0-2	0
	1	12	8.52	8.41	8.42		0
	1	24	8.42	8.39	8.47		0
	12	0	8.13	8.18	8.07	0-3	0
	12	6	8.16	8.20	8.09		0
	12	13	8.21	8.25	8.10		0
	25	0	8.19	8.20	8.11		0

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8.3.9 LTE Band 41

Table 8-275
LTE Band 41 Conducted Powers Ant 4 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	**15.57**	15.31	15.35	15.41	15.34	0	0
	1	50	15.46	15.31	15.19	15.21	15.26		0
	1	99	15.40	15.29	15.25	15.12	15.23		0
	50	0	**15.53**	15.28	15.23	15.27	15.40	0-1	0
	50	25	15.50	15.33	15.20	15.22	15.35		0
	50	50	15.51	15.32	15.19	15.16	15.33		0
	100	0	15.47	15.31	15.17	15.19	15.15		0
16QAM	1	0	15.58	15.43	15.35	15.45	15.31	0-1	0
	1	50	15.49	15.31	15.19	15.31	15.15		0
	1	99	15.48	15.33	15.31	15.10	15.31		0
	50	0	15.60	15.41	15.36	15.44	15.32	0-2	0
	50	25	15.58	15.45	15.32	15.36	15.30		0
	50	50	15.60	15.44	15.36	15.25	15.28		0
	100	0	15.59	15.45	15.26	15.33	15.26		0
64QAM	1	0	15.52	15.22	15.29	15.30	15.28	0-2	0
	1	50	15.45	15.27	15.10	15.20	15.16		0
	1	99	15.18	15.27	15.15	15.13	14.96		0
	50	0	15.40	15.20	15.14	15.18	15.11	0-3	0
	50	25	15.40	15.23	15.13	15.14	15.09		0
	50	50	15.41	15.24	15.09	15.06	15.06		0
	100	0	15.37	15.19	15.07	15.08	15.02		0

Table 8-276
LTE Band 41 Conducted Powers Ant 4 - 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	15.34	15.53	15.32	15.39	15.33	0	0
	1	36	15.51	15.57	15.40	15.46	15.48		0
	1	74	15.44	15.46	15.30	15.30	15.37		0
	36	0	15.45	15.53	15.42	15.47	15.42	0-1	0
	36	18	15.56	15.54	15.45	15.50	15.49		0
	36	37	15.56	15.51	15.42	15.38	15.42		0
	75	0	15.55	15.48	15.43	15.43	15.44		0
16QAM	1	0	15.37	15.60	15.17	15.50	15.26	0-1	0
	1	36	15.46	15.60	15.25	15.49	15.26		0
	1	74	15.41	15.53	15.30	15.49	15.17		0
	36	0	15.41	15.58	15.46	15.50	15.46	0-2	0
	36	18	15.60	15.60	15.48	15.49	15.51		0
	36	37	15.60	15.53	15.46	15.43	15.48		0
	75	0	15.59	15.56	15.47	15.43	15.44		0
64QAM	1	0	15.47	15.38	15.42	15.38	15.38	0-2	0
	1	36	15.60	15.49	15.55	15.43	15.48		0
	1	74	15.60	15.29	15.43	15.28	15.27		0
	36	0	15.51	15.59	15.47	15.48	15.44	0-3	0
	36	18	15.60	15.60	15.50	15.49	15.55		0
	36	37	15.60	15.55	15.46	15.42	15.48		0
	75	0	15.58	15.53	15.47	15.46	15.30		0

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Table 8-277
LTE Band 41 Conducted Powers Ant 4 - 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	15.56	15.60	15.54	15.48	15.51	0	0
	1	25	15.60	15.57	15.54	15.44	15.60		0
	1	49	15.60	15.54	15.52	15.39	15.60		0
	25	0	15.48	15.56	15.45	15.50	15.52	0-1	0
	25	12	15.42	15.51	15.44	15.50	15.51		0
	25	25	15.58	15.51	15.45	15.42	15.49		0
	50	0	15.56	15.55	15.47	15.50	15.50		0
16QAM	1	0	15.30	15.42	15.25	15.41	15.43	0-1	0
	1	25	15.34	15.29	15.39	15.40	15.29		0
	1	49	15.50	15.51	15.30	15.26	15.47		0
	25	0	15.31	15.34	15.25	15.27	15.35	0-2	0
	25	12	15.37	15.37	15.27	15.31	15.30		0
	25	25	15.38	15.29	15.28	15.22	15.30		0
	50	0	15.37	15.32	15.22	15.30	15.30		0
64QAM	1	0	15.45	15.18	15.31	15.41	15.15	0-2	0
	1	25	15.53	15.18	15.29	15.17	15.36		0
	1	49	15.43	15.06	15.28	15.23	15.37		0
	25	0	15.31	15.36	15.25	15.26	15.35	0-3	0
	25	12	15.37	15.34	15.27	15.25	15.27		0
	25	25	15.42	15.29	15.25	15.14	15.30		0
	50	0	15.39	15.38	15.24	15.26	15.32		0

Table 8-278
LTE Band 41 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	15.48	15.57	15.43	15.34	15.52	0	0
	1	12	15.56	15.52	15.41	15.33	15.49		0
	1	24	15.60	15.52	15.41	15.28	15.51		0
	12	0	15.42	15.41	15.28	15.33	15.37	0-1	0
	12	6	15.42	15.41	15.20	15.34	15.38		0
	12	13	15.45	15.36	15.28	15.32	15.37		0
	25	0	15.42	15.40	15.23	15.34	15.38		0
16QAM	1	0	15.47	15.42	15.22	15.54	15.37	0-1	0
	1	12	15.41	15.41	15.20	15.39	15.27		0
	1	24	15.45	15.44	15.18	15.33	15.42		0
	12	0	15.40	15.43	15.19	15.33	15.37	0-2	0
	12	6	15.41	15.40	15.21	15.35	15.32		0
	12	13	15.47	15.34	15.21	15.28	15.42		0
	25	0	15.39	15.37	15.18	15.33	15.35		0
64QAM	1	0	15.28	15.53	15.43	15.46	15.50	0-2	0
	1	12	15.59	15.45	15.29	15.35	15.52		0
	1	24	15.60	15.56	15.33	15.12	15.37		0
	12	0	15.40	15.34	15.32	15.37	15.38	0-3	0
	12	6	15.48	15.37	15.23	15.32	15.44		0
	12	13	15.45	15.41	15.19	15.32	15.39		0
	25	0	15.40	15.35	15.21	15.31	15.37		0

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Table 8-279
LTE Band 41 Conducted Powers Ant 2A - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	16.46	**16.59**	16.40	16.36	16.46	0	0
	1	50	16.47	16.55	16.41	16.33	16.49		0
	1	99	16.49	16.56	16.45	16.44	16.53		0
	50	0	16.59	**16.60**	16.47	16.40	16.45	0-1	0
	50	25	16.50	16.59	16.46	16.41	16.50		0
	50	50	16.55	16.54	16.45	16.41	16.51		0
	100	0	16.46	16.58	16.43	16.39	16.51		0
16QAM	1	0	16.34	16.34	16.25	16.12	16.33	0-1	0
	1	50	16.35	16.21	16.15	16.10	16.38		0
	1	99	16.28	16.23	16.24	16.12	16.41		0
	50	0	16.25	16.42	16.24	16.21	16.26	0-2	0
	50	25	16.24	16.34	16.23	16.21	16.27		0
	50	50	16.24	16.30	16.23	16.22	16.29		0
	100	0	16.24	16.30	16.20	16.17	16.25		0
64QAM	1	0	16.31	16.60	16.59	16.57	16.31	0-2	0
	1	50	16.57	16.58	16.48	16.49	16.34		0
	1	99	16.55	16.43	16.40	16.51	16.44		0
	50	0	16.60	16.52	16.56	16.54	16.33	0-3	0
	50	25	16.59	16.49	16.40	16.37	16.36		0
	50	50	16.60	16.43	16.35	16.44	16.30		0
	100	0	16.57	16.44	16.35	16.33	16.30		0

Table 8-280
LTE Band 41 Conducted Powers Ant 2A - 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	16.41	16.56	16.34	16.37	16.19	0	0
	1	36	16.40	16.60	16.42	16.43	16.29		0
	1	74	16.38	16.43	16.43	16.31	16.11		0
	36	0	16.47	16.57	16.46	16.39	16.30	0-1	0
	36	18	16.48	16.55	16.48	16.45	16.36		0
	36	37	16.41	16.46	16.48	16.40	16.26		0
	75	0	16.45	16.51	16.45	16.37	16.31		0
16QAM	1	0	16.52	16.45	16.54	16.39	16.36	0-1	0
	1	36	16.59	16.39	16.50	16.32	16.54		0
	1	74	16.51	16.28	16.38	16.19	16.30		0
	36	0	16.52	16.60	16.51	16.45	16.37	0-2	0
	36	18	16.53	16.60	16.52	16.44	16.42		0
	36	37	16.51	16.54	16.51	16.44	16.32		0
	75	0	16.50	16.60	16.50	16.43	16.37		0
64QAM	1	0	16.56	16.50	16.60	16.22	16.25	0-2	0
	1	36	16.60	16.45	16.59	16.33	16.38		0
	1	74	16.43	16.35	16.52	16.22	16.25		0
	36	0	16.57	16.60	16.50	16.47	16.35	0-3	0
	36	18	16.55	16.60	16.55	16.49	16.45		0
	36	37	16.46	16.54	16.52	16.47	16.31		0
	75	0	16.51	16.56	16.51	16.47	16.38		0

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Table 8-281
LTE Band 41 Conducted Powers Ant 2A - 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	16.59	16.54	16.56	16.40	16.33	0	0
	1	25	16.54	16.56	16.54	16.37	16.41		0
	1	49	16.53	16.48	16.58	16.39	16.37		0
	25	0	16.49	16.56	16.47	16.45	16.32	0-1	0
	25	12	16.46	16.56	16.46	16.40	16.32		0
	25	25	16.45	16.52	16.47	16.42	16.28		0
	50	0	16.44	16.55	16.46	16.38	16.34		0
16QAM	1	0	16.57	16.57	16.59	16.39	16.40	0-1	0
	1	25	16.42	16.34	16.42	16.47	16.34		0
	1	49	16.43	16.53	16.44	16.29	16.35		0
	25	0	16.58	16.59	16.52	16.52	16.37	0-2	0
	25	12	16.50	16.60	16.55	16.47	16.33		0
	25	25	16.51	16.57	16.50	16.49	16.30		0
	50	0	16.50	16.60	16.53	16.44	16.37		0
64QAM	1	0	16.52	16.60	16.51	16.34	16.29	0-2	0
	1	25	16.50	16.58	16.41	16.25	16.50		0
	1	49	16.48	16.49	16.45	16.37	16.28		0
	25	0	16.47	16.59	16.49	16.50	16.41	0-3	0
	25	12	16.45	16.60	16.45	16.42	16.33		0
	25	25	16.43	16.58	16.48	16.45	16.33		0
	50	0	16.49	16.58	16.50	16.45	16.38		0

Table 8-282
LTE Band 41 Conducted Powers Ant 2A - 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	16.44	16.45	16.51	16.27	16.19	0	0
	1	12	16.43	16.54	16.46	16.23	16.30		0
	1	24	16.40	16.55	16.48	16.23	16.25		0
	12	0	16.31	16.42	16.35	16.26	16.17	0-1	0
	12	6	16.28	16.42	16.32	16.22	16.16		0
	12	13	16.28	16.42	16.35	16.21	16.17		0
	25	0	16.29	16.42	16.37	16.27	16.18		0
16QAM	1	0	16.59	16.37	16.40	16.35	16.22	0-1	0
	1	12	16.41	16.36	16.42	16.25	16.44		0
	1	24	16.25	16.47	16.48	16.40	16.15		0
	12	0	16.32	16.42	16.30	16.32	16.19	0-2	0
	12	6	16.26	16.45	16.31	16.24	16.19		0
	12	13	16.34	16.41	16.28	16.21	16.19		0
	25	0	16.31	16.38	16.33	16.26	16.19		0
64QAM	1	0	16.36	16.41	16.60	16.05	16.19	0-2	0
	1	12	16.37	16.53	16.43	16.22	16.31		0
	1	24	16.51	16.60	16.54	16.38	16.35		0
	12	0	16.29	16.44	16.35	16.25	16.22	0-3	0
	12	6	16.31	16.49	16.32	16.23	16.25		0
	12	13	16.33	16.45	16.37	16.21	16.22		0
	25	0	16.32	16.41	16.33	16.24	16.20		0

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Table 8-283
LTE Band 41 Conducted Powers Ant 1A - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.95	14.77	14.80	14.92	14.86	0	0
	1	50	14.78	14.91	14.74	14.78	14.95		0
	1	99	14.73	14.84	14.73	14.75	**14.96**		0
	50	0	14.85	14.80	14.77	14.90	14.88	0-1	0
	50	25	14.72	14.83	14.75	14.82	**14.96**		0
	50	50	14.74	14.80	14.74	14.81	14.95		0
	100	0	14.67	14.85	14.73	14.79	14.92		0
16QAM	1	0	14.84	14.77	14.71	14.85	14.79	0-1	0
	1	50	14.67	14.86	14.74	14.78	14.88		0
	1	99	14.65	14.70	14.55	14.68	14.95		0
	50	0	14.90	14.70	14.83	14.98	14.92	0-2	0
	50	25	14.81	14.90	14.81	14.89	14.98		0
	50	50	14.78	14.86	14.79	14.89	15.00		0
	100	0	14.61	14.89	14.80	14.85	14.99		0
64QAM	1	0	14.96	14.72	14.83	15.00	14.95	0-2	0
	1	50	14.72	14.97	14.76	14.83	15.00		0
	1	99	14.83	14.93	14.80	14.74	14.96		0
	50	0	14.92	14.85	14.84	14.98	14.93	0-3	0
	50	25	14.77	14.92	14.81	14.87	14.99		0
	50	50	14.79	14.88	14.77	14.89	14.97		0
	100	0	14.67	14.87	14.79	14.84	14.95		0

Table 8-284
LTE Band 41 Conducted Powers Ant 1A - 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.73	14.77	14.78	14.77	14.69	0	0
	1	36	14.68	14.92	14.82	14.77	14.85		0
	1	74	14.62	14.67	14.74	14.61	14.80		0
	36	0	14.74	14.79	14.89	14.79	14.79	0-1	0
	36	18	14.71	14.88	14.90	14.80	14.92		0
	36	37	14.74	14.78	14.87	14.74	14.90		0
	75	0	14.64	14.83	14.86	14.75	14.88		0
16QAM	1	0	14.71	14.79	14.68	14.92	14.56	0-1	0
	1	36	14.73	15.00	14.74	14.89	14.85		0
	1	74	14.68	14.79	14.62	14.71	14.72		0
	36	0	14.78	14.80	14.92	14.85	14.83	0-2	0
	36	18	14.76	14.93	14.93	14.85	14.98		0
	36	37	14.77	14.82	14.90	14.78	14.95		0
	75	0	14.68	14.85	14.89	14.78	14.92		0
64QAM	1	0	14.89	14.65	14.84	14.76	14.80	0-2	0
	1	36	14.89	14.78	14.86	14.84	14.97		0
	1	74	14.86	14.50	14.96	14.69	14.84		0
	36	0	14.79	14.84	14.93	14.84	14.85	0-3	0
	36	18	14.77	14.89	14.95	14.88	14.96		0
	36	37	14.80	14.82	14.91	14.77	14.96		0
	75	0	14.68	14.86	14.89	14.82	14.93		0

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Table 8-285
LTE Band 41 Conducted Powers Ant 1A - 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.85	14.80	14.98	14.77	14.88	0	0
	1	25	14.73	14.86	14.92	14.72	14.93		0
	1	49	14.80	14.79	14.96	14.68	14.98		0
	25	0	14.55	14.84	14.85	14.81	14.87	0-1	0
	25	12	14.64	14.83	14.85	14.76	14.86		0
	25	25	14.67	14.77	14.85	14.74	14.87		0
	50	0	14.64	14.85	14.84	14.75	14.88		0
16QAM	1	0	14.81	15.00	14.99	14.83	14.95	0-1	0
	1	25	14.91	15.00	14.85	14.74	14.90		0
	1	49	14.66	14.92	15.00	14.67	15.00		0
	25	0	14.58	14.88	14.90	14.81	14.89	0-2	0
	25	12	14.67	14.86	14.86	14.79	14.91		0
	25	25	14.70	14.78	14.89	14.76	14.95		0
	50	0	14.65	14.87	14.87	14.81	14.89		0
64QAM	1	0	14.76	14.70	14.84	14.78	14.77	0-2	0
	1	25	14.60	14.64	14.73	14.82	14.91		0
	1	49	14.78	14.76	14.88	14.60	14.82		0
	25	0	14.56	14.91	14.92	14.79	14.94	0-3	0
	25	12	14.66	14.88	14.88	14.79	14.94		0
	25	25	14.70	14.82	14.91	14.76	14.93		0
	50	0	14.65	14.92	14.90	14.78	14.93		0

Table 8-286
LTE Band 41 Conducted Powers Ant 1A - 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.56	14.83	14.94	14.53	14.79	0	0
	1	12	14.62	14.81	14.90	14.51	14.79		0
	1	24	14.63	14.75	14.93	14.51	14.81		0
	12	0	14.43	14.69	14.77	14.53	14.66	0-1	0
	12	6	14.47	14.68	14.76	14.51	14.68		0
	12	13	14.54	14.63	14.76	14.49	14.67		0
	25	0	14.48	14.69	14.77	14.52	14.68		0
16QAM	1	0	14.40	14.60	14.77	14.59	14.69	0-1	0
	1	12	14.46	14.68	14.66	14.61	14.66		0
	1	24	14.32	14.70	14.83	14.39	14.57		0
	12	0	14.39	14.66	14.73	14.48	14.69	0-2	0
	12	6	14.46	14.67	14.72	14.48	14.59		0
	12	13	14.53	14.57	14.75	14.46	14.65		0
	25	0	14.48	14.69	14.78	14.51	14.65		0
64QAM	1	0	14.48	14.93	14.91	14.42	14.65	0-2	0
	1	12	14.65	14.88	14.87	14.45	14.81		0
	1	24	14.79	14.87	14.75	14.37	14.98		0
	12	0	14.47	14.77	14.72	14.51	14.71	0-3	0
	12	6	14.57	14.71	14.74	14.49	14.73		0
	12	13	14.55	14.65	14.69	14.45	14.67		0
	25	0	14.50	14.69	14.71	14.48	14.64		0

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Table 8-287
LTE Band 41 Conducted Powers Ant 3A - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	**13.97**	13.68	13.51	13.72	13.61	0	0
	1	50	13.65	13.75	13.55	13.62	13.58		0
	1	99	13.57	13.60	13.73	13.50	13.57		0
	50	0	**13.90**	13.75	13.82	13.70	13.65	0-1	0
	50	25	13.66	13.77	13.81	13.64	13.60		0
	50	50	13.60	13.67	13.84	13.50	13.62		0
	100	0	13.62	13.72	13.81	13.67	13.58		0
16QAM	1	0	14.14	13.78	13.82	13.71	13.61	0-1	0
	1	50	13.92	13.74	13.72	13.68	13.71		0
	1	99	13.71	13.27	13.82	13.66	13.65		0
	50	0	14.00	13.89	13.88	13.71	13.69	0-2	0
	50	25	13.77	13.83	13.88	13.68	13.65		0
	50	50	13.71	13.72	13.91	13.55	13.66		0
	100	0	13.69	13.81	13.85	13.70	13.62		0
64QAM	1	0	14.05	13.69	13.93	13.78	13.98	0-2	0
	1	50	13.70	13.65	13.79	13.83	13.90		0
	1	99	13.71	13.63	13.97	13.62	13.82		0
	50	0	14.07	13.77	13.93	13.83	13.69	0-3	0
	50	25	13.79	13.88	13.90	13.71	13.75		0
	50	50	13.73	13.72	13.93	13.62	13.74		0
	100	0	13.72	13.80	13.86	13.65	13.66		0

Table 8-288
LTE Band 41 Conducted Powers Ant 3A - 15 MHz Bandwidth

LTE Band 41 15 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.02	13.93	13.87	13.87	13.68	0	0
	1	36	13.96	14.04	14.01	13.88	13.87		0
	1	74	13.91	13.82	14.06	13.70	13.83		0
	36	0	13.95	13.99	13.98	13.93	13.80	0-1	0
	36	18	13.96	14.09	14.08	13.91	13.92		0
	36	37	13.99	13.90	14.06	13.81	13.93		0
	75	0	13.90	13.96	14.05	13.86	13.89		0
16QAM	1	0	14.15	13.78	14.09	13.87	13.68	0-1	0
	1	36	13.89	13.81	14.12	13.88	14.03		0
	1	74	13.96	13.63	14.00	13.72	13.98		0
	36	0	14.03	14.06	14.02	13.94	13.84	0-2	0
	36	18	14.07	14.15	14.12	13.93	13.97		0
	36	37	14.07	13.98	14.12	13.88	13.96		0
	75	0	13.98	14.03	14.10	13.88	13.93		0
64QAM	1	0	14.08	13.94	13.88	13.95	13.73	0-2	0
	1	36	13.80	13.82	13.87	13.95	13.87		0
	1	74	13.87	13.63	13.99	13.78	13.87		0
	36	0	14.07	14.08	14.04	13.98	13.86	0-3	0
	36	18	14.09	14.16	14.15	13.94	13.95		0
	36	37	14.13	13.98	14.14	13.88	13.95		0
	75	0	14.00	13.99	14.08	13.91	13.96		0

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Table 8-289
LTE Band 41 Conducted Powers Ant 3A - 10 MHz Bandwidth

LTE Band 41 10 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.10	13.97	13.91	13.88	13.88	0	0
	1	25	14.08	14.01	13.98	13.82	13.96		0
	1	49	14.00	13.95	14.15	13.81	14.01		0
	25	0	13.96	14.06	13.97	13.86	13.88	0-1	0
	25	12	13.99	13.99	14.05	13.87	13.87		0
	25	25	14.04	13.99	14.06	13.82	13.89		0
	50	0	13.97	13.99	14.04	13.86	13.88		0
16QAM	1	0	14.07	13.85	13.99	13.78	13.84	0-1	0
	1	25	14.06	13.91	14.11	13.61	13.98		0
	1	49	14.02	13.70	14.12	13.85	13.92		0
	25	0	13.99	14.08	14.02	13.88	13.94	0-2	0
	25	12	14.03	14.02	14.11	13.91	13.94		0
	25	25	14.07	14.06	14.12	13.87	13.96		0
	50	0	14.04	14.03	14.12	13.94	13.95		0
64QAM	1	0	13.90	13.89	13.98	14.06	13.63	0-2	0
	1	25	14.00	13.93	13.90	13.84	13.99		0
	1	49	14.02	13.82	14.18	13.79	13.79		0
	25	0	14.03	14.09	14.06	13.89	14.01	0-3	0
	25	12	14.07	14.04	14.11	13.92	13.96		0
	25	25	14.11	14.07	14.16	13.89	13.99		0
	50	0	14.03	14.07	14.15	13.90	13.96		0

Table 8-290
LTE Band 41 Conducted Powers Ant 3A - 5 MHz Bandwidth

LTE Band 41 5 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	13.97	13.82	13.89	13.74	13.71	0	0
	1	12	13.91	13.95	13.91	13.71	13.82		0
	1	24	13.95	13.97	14.13	13.73	13.88		0
	12	0	13.82	13.90	13.89	13.72	13.71	0-1	0
	12	6	13.80	13.84	13.98	13.74	13.70		0
	12	13	13.83	13.85	13.99	13.75	13.71		0
	25	0	13.84	13.86	13.98	13.74	13.71		0
16QAM	1	0	13.95	13.83	14.06	13.69	13.68	0-1	0
	1	12	13.83	13.92	14.20	13.73	13.82		0
	1	24	13.89	13.75	14.01	13.79	13.80		0
	12	0	13.87	13.93	13.93	13.70	13.69	0-2	0
	12	6	13.84	13.87	13.99	13.71	13.69		0
	12	13	13.88	13.84	13.97	13.68	13.71		0
	25	0	13.86	13.82	13.96	13.71	13.72		0
64QAM	1	0	14.00	13.83	14.10	13.89	13.69	0-2	0
	1	12	13.81	13.82	14.15	13.73	13.91		0
	1	24	13.90	13.94	14.06	13.71	13.80		0
	12	0	13.86	13.92	13.93	13.69	13.78	0-3	0
	12	6	13.79	13.78	14.02	13.68	13.73		0
	12	13	13.82	13.86	13.96	13.71	13.67		0
	25	0	13.83	13.81	13.99	13.72	13.71		0

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8.3.10 LTE Band 41 PC2

Table 8-291
LTE Band 41 PC2 Conducted Powers Ant 4 - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	**15.60**	15.45	15.50	15.52	15.35	0	0
	1	50	15.59	15.44	15.20	15.34	15.30		0
	1	99	15.54	15.43	15.34	15.23	15.24		0
	50	0	**15.60**	15.35	15.29	15.34	15.28	0-1	0
	50	25	15.56	15.39	15.26	15.29	15.24		0
	50	50	15.57	15.39	15.24	15.19	15.22		0
	100	0	15.53	15.38	15.25	15.27	15.22		0

Table 8-292
LTE Band 41 PC2 Conducted Powers Ant 2A - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	16.21	**16.35**	16.28	16.14	16.30	0	0
	1	50	16.22	16.29	16.30	16.12	16.33		0
	1	99	16.24	16.29	16.34	16.21	16.27		0
	50	0	16.27	**16.39**	16.30	16.18	16.24	0-1	0
	50	25	16.28	16.37	16.26	16.18	16.27		0
	50	50	16.25	16.33	16.27	16.19	16.31		0
	100	0	16.22	16.34	16.25	16.14	16.26		0

Table 8-293
LTE Band 41 PC2 Conducted Powers Ant 1A - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	14.81	14.83	14.89	14.92	14.86	0	0
	1	50	14.71	14.78	14.90	14.90	14.90		0
	1	99	14.75	14.76	14.96	14.93	**15.00**		0
	50	0	14.77	14.86	14.96	14.95	14.96	0-1	0
	50	25	14.66	14.90	14.97	14.91	**15.00**		0
	50	50	14.70	14.84	14.98	14.92	14.98		0
	100	0	14.57	14.85	14.89	14.88	14.99		0

Table 8-294
LTE Band 41 PC2 Conducted Powers Ant 3A - 20 MHz Bandwidth

LTE Band 41 20 MHz Bandwidth									
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			39750 (2506.0 MHz)	40185 (2549.5 MHz)	40620 (2593.0 MHz)	41055 (2636.5 MHz)	41490 (2680.0 MHz)		
			Conducted Power [dBm]						
QPSK	1	0	**14.11**	13.81	13.88	13.81	13.70	0	0
	1	50	13.77	13.94	13.93	13.73	13.69		0
	1	99	13.71	13.67	13.98	13.60	13.69		0
	50	0	**13.95**	13.79	13.85	13.72	13.67	0-1	0
	50	25	13.78	13.85	13.86	13.66	13.63		0
	50	50	13.70	13.71	13.88	13.61	13.65		0
	100	0	13.72	13.80	13.86	13.64	13.62		0

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8.3.1 LTE Band 48

Table 8-295
LTE Band 48 Conducted Powers Ant 4 - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	16.37	16.31	16.45	16.26	0	0
	1	50	16.33	16.22	16.34	16.04		0
	1	99	16.38	16.44	**16.50**	16.30		0
	50	0	**16.45**	16.17	16.33	16.12	0-1	0
	50	25	16.37	16.19	16.27	16.08		0
	50	50	16.36	16.23	16.34	16.17		0
	100	0	16.42	16.31	16.34	16.14		0
16QAM	1	0	16.49	16.46	16.46	16.24	0-1	0
	1	50	16.46	16.38	16.30	16.15		0
	1	99	16.50	16.40	16.50	16.29		0
	50	0	16.38	16.12	16.21	16.05	0-2	0
	50	25	16.42	16.06	16.15	16.01		0
	50	50	16.28	16.14	16.19	16.16		0
	100	0	16.48	16.16	16.23	16.11		0
64QAM	1	0	16.47	16.32	16.36	16.17	0-2	0
	1	50	16.34	16.01	16.28	16.00		0
	1	99	16.26	16.39	16.44	16.22		0
	50	0	16.40	16.10	16.18	16.05	0-3	0
	50	25	16.43	16.09	16.13	16.06		0
	50	50	16.34	16.17	16.21	16.17		0
	100	0	16.50	16.17	16.25	16.16		0

Table 8-296
LTE Band 48 Conducted Powers Ant 4 - 15 MHz Bandwidth

LTE Band 48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55315 (3557.5 MHz)	55765 (3602.5 MHz)	56215 (3647.5 MHz)	56665 (3692.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	16.11	16.07	16.16	16.00	0	0
	1	36	16.23	16.00	16.09	16.00		0
	1	74	16.25	16.09	16.04	16.05		0
	36	0	16.23	16.09	16.12	16.10	0-1	0
	36	18	16.38	16.17	16.13	16.11		0
	36	37	16.40	16.17	16.12	16.10		0
	75	0	16.42	16.19	16.15	16.15		0
16QAM	1	0	16.36	15.70	16.32	16.22	0-1	0
	1	36	16.50	15.96	16.20	16.21		0
	1	74	16.30	15.89	16.11	16.23		0
	36	0	16.18	15.99	16.04	16.01	0-2	0
	36	18	16.33	16.08	16.04	16.02		0
	36	37	16.33	16.10	16.04	16.02		0
	75	0	16.36	16.15	16.09	16.09		0
64QAM	1	0	16.08	16.17	16.17	15.89	0-2	0
	1	36	16.20	16.27	15.98	15.84		0
	1	74	16.35	16.19	15.96	16.06		0
	36	0	16.17	15.96	16.00	16.01	0-3	0
	36	18	16.29	16.02	16.01	16.03		0
	36	37	16.27	16.05	15.99	16.01		0
	75	0	16.31	16.14	16.05	16.10		0

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Table 8-297
LTE Band 48 Conducted Powers Ant 4 - 10 MHz Bandwidth

LTE Band 48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55290 (3555.0 MHz)	Low-Mid Channel 55757 (3601.7 MHz)	Mid-High Channel 56223 (3648.3 MHz)	High Channel 56690 (3695.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	16.20	16.13	16.19	16.24	0	0
	1	25	16.13	16.02	15.94	15.95		0
	1	49	16.50	16.23	16.19	16.17		0
	25	0	16.26	16.18	16.17	16.15	0-1	0
	25	12	16.25	16.12	16.10	16.07		0
	25	25	16.42	16.21	16.15	16.09		0
	50	0	16.38	16.26	16.18	16.22		0
16QAM	1	0	16.45	16.14	16.23	16.33	0-1	0
	1	25	16.32	16.21	16.00	15.84		0
	1	49	16.50	16.28	16.30	16.50		0
	25	0	16.09	16.01	15.96	15.98	0-2	0
	25	12	16.14	16.00	15.93	15.93		0
	25	25	16.21	16.03	15.96	16.00		0
	50	0	16.26	16.14	16.11	16.17		0
64QAM	1	0	16.29	16.04	16.08	16.15	0-2	0
	1	25	16.27	15.99	15.68	16.14		0
	1	49	16.50	16.13	16.13	16.30		0
	25	0	16.13	16.01	16.05	16.00	0-3	0
	25	12	16.14	15.99	15.97	15.95		0
	25	25	16.29	16.03	16.05	15.99		0
	50	0	16.25	16.15	16.04	16.15		0

Table 8-298
LTE Band 48 Conducted Powers Ant 4 - 5 MHz Bandwidth

LTE Band 48 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55265 (3552.5 MHz)	Low-Mid Channel 55748 (3600.8 MHz)	Mid-High Channel 56232 (3649.2 MHz)	High Channel 56715 (3697.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	16.08	16.27	16.35	16.06	0	0
	1	12	15.99	16.10	16.05	15.77		0
	1	24	16.21	16.43	16.30	16.05		0
	12	0	16.11	16.12	16.12	16.10	0-1	0
	12	6	16.15	16.02	16.03	15.99		0
	12	13	16.23	16.06	16.08	16.08		0
	25	0	16.29	16.22	16.18	16.13		0
16QAM	1	0	16.00	15.71	15.72	16.03	0-1	0
	1	12	15.61	15.62	15.53	15.88		0
	1	24	16.11	15.94	15.89	16.05		0
	12	0	15.94	15.89	15.88	15.80	0-2	0
	12	6	15.87	15.78	15.83	15.64		0
	12	13	15.90	15.92	15.80	15.83		0
	25	0	16.15	16.07	16.02	15.95		0
64QAM	1	0	16.21	16.00	16.04	16.20	0-2	0
	1	12	16.14	16.04	15.83	15.84		0
	1	24	16.28	16.24	15.89	16.09		0
	12	0	15.92	15.66	15.86	15.98	0-3	0
	12	6	16.08	15.63	15.71	15.88		0
	12	13	16.07	15.72	15.88	15.85		0
	25	0	16.18	16.09	15.99	16.01		0

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Table 8-299
LTE Band 48 Conducted Powers Ant 3B - 20 MHz Bandwidth

LTE Band 48 20 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55340 (3560.0 MHz)	55773 (3603.3 MHz)	56207 (3646.7 MHz)	56640 (3690.0 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	15.49	15.45	15.63	15.54	0	0
	1	50	15.56	15.31	15.34	15.49		0
	1	99	15.55	15.54	15.57	**15.64**		0
	50	0	15.54	15.33	15.38	15.45	0-1	0
	50	25	15.45	15.35	15.36	15.54		0
	50	50	15.50	15.38	15.40	**15.55**		0
	100	0	15.53	15.41	15.42	15.52		0
16QAM	1	0	15.41	15.55	15.69	15.70	0-1	0
	1	50	15.50	15.45	15.44	15.62		0
	1	99	15.48	15.50	15.70	15.69		0
	50	0	15.41	15.26	15.29	15.37	0-2	0
	50	25	15.46	15.28	15.27	15.45		0
	50	50	15.39	15.31	15.32	15.46		0
	100	0	15.56	15.36	15.37	15.57		0
64QAM	1	0	15.49	15.37	15.57	15.55	0-2	0
	1	50	15.52	15.20	15.35	15.56		0
	1	99	15.41	15.55	15.57	15.58		0
	50	0	15.46	15.27	15.26	15.37	0-3	0
	50	25	15.51	15.26	15.24	15.44		0
	50	50	15.41	15.29	15.31	15.47		0
	100	0	15.61	15.38	15.39	15.57		0

Table 8-300
LTE Band 48 Conducted Powers Ant 3B - 15 MHz Bandwidth

LTE Band 48 15 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel	Low-Mid Channel	Mid-High Channel	High Channel	MPR Allowed per 3GPP [dB]	MPR [dB]
			55315 (3557.5 MHz)	55765 (3602.5 MHz)	56215 (3647.5 MHz)	56665 (3692.5 MHz)		
			Conducted Power [dBm]					
QPSK	1	0	15.92	15.81	15.76	15.77	0	0
	1	36	15.98	15.64	15.63	15.85		0
	1	74	15.87	15.65	15.67	15.61		0
	36	0	15.86	15.74	15.73	15.77	0-1	0
	36	18	15.85	15.75	15.74	15.88		0
	36	37	15.91	15.75	15.72	15.76		0
	75	0	16.01	15.80	15.77	15.88		0
16QAM	1	0	15.79	15.71	15.51	15.66	0-1	0
	1	36	15.53	15.65	15.67	15.55		0
	1	74	15.49	15.78	15.47	15.54		0
	36	0	15.59	15.61	15.48	15.56	0-2	0
	36	18	15.69	15.62	15.48	15.65		0
	36	37	15.79	15.65	15.45	15.54		0
	75	0	15.79	15.73	15.56	15.70		0
64QAM	1	0	15.61	15.78	15.68	15.64	0-2	0
	1	36	15.71	15.59	15.53	15.70		0
	1	74	15.72	15.74	15.66	15.45		0
	36	0	15.63	15.65	15.48	15.59	0-3	0
	36	18	15.70	15.66	15.49	15.69		0
	36	37	15.80	15.64	15.48	15.56		0
	75	0	15.79	15.74	15.56	15.70		0

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Table 8-301
LTE Band 48 Conducted Powers Ant 3B - 10 MHz Bandwidth

LTE Band 48 10 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55290 (3555.0 MHz)	Low-Mid Channel 55757 (3601.7 MHz)	Mid-High Channel 56223 (3648.3 MHz)	High Channel 56690 (3695.0 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	15.85	15.76	15.70	15.74	0	0
	1	25	15.69	15.50	15.48	15.50		0
	1	49	16.00	15.81	15.75	15.72		0
	25	0	15.86	15.74	15.70	15.82	0-1	0
	25	12	15.87	15.69	15.63	15.70		0
	25	25	15.89	15.76	15.69	15.70		0
	50	0	15.97	15.77	15.73	15.80		0
16QAM	1	0	15.71	15.73	15.81	15.59	0-1	0
	1	25	15.38	15.44	15.38	15.60		0
	1	49	15.94	15.86	15.81	15.88		0
	25	0	15.59	15.72	15.56	15.83	0-2	0
	25	12	15.55	15.64	15.50	15.64		0
	25	25	15.74	15.73	15.51	15.65		0
	50	0	15.75	15.77	15.66	15.86		0
64QAM	1	0	15.61	15.68	15.78	15.81	0-2	0
	1	25	15.35	15.60	15.33	15.52		0
	1	49	15.81	15.82	15.81	15.92		0
	25	0	15.60	15.68	15.55	15.82	0-3	0
	25	12	15.52	15.61	15.46	15.64		0
	25	25	15.73	15.69	15.54	15.65		0
	50	0	15.71	15.74	15.66	15.86		0

Table 8-302
LTE Band 48 Conducted Powers Ant 3B - 5 MHz Bandwidth

LTE Band 48 5 MHz Bandwidth								
Modulation	RB Size	RB Offset	Low Channel 55265 (3552.5 MHz)	Low-Mid Channel 55748 (3600.8 MHz)	Mid-High Channel 56232 (3649.2 MHz)	High Channel 56715 (3697.5 MHz)	MPR Allowed per 3GPP [dB]	MPR [dB]
			Conducted Power [dBm]					
QPSK	1	0	15.56	15.56	15.29	15.53	0	0
	1	12	15.91	15.75	15.47	15.78		0
	1	24	15.54	15.67	15.59	15.62		0
	12	0	15.50	15.58	15.50	15.49	0-1	0
	12	6	15.67	15.68	15.56	15.56		0
	12	13	15.74	15.71	15.66	15.68		0
	25	0	15.74	15.71	15.66	15.68		0
16QAM	1	0	15.55	15.62	15.34	15.69	0-1	0
	1	12	15.44	15.54	15.43	15.32		0
	1	24	15.51	15.68	15.47	15.64		0
	12	0	15.31	15.36	15.32	15.55	0-2	0
	12	6	15.23	15.29	15.25	15.39		0
	12	13	15.49	15.39	15.28	15.39		0
	25	0	15.57	15.54	15.48	15.57		0
64QAM	1	0	15.59	15.76	15.50	15.40	0-2	0
	1	12	15.24	15.39	15.43	15.59		0
	1	24	15.74	15.47	15.45	15.49		0
	12	0	15.29	15.40	15.32	15.53	0-3	0
	12	6	15.34	15.26	15.25	15.40		0
	12	13	15.47	15.41	15.40	15.42		0
	25	0	15.61	15.55	15.44	15.56		0

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8.3.2 LTE Uplink Carrier Aggregation Conducted Powers

Table 8-303
LTE Uplink Carrier Aggregation Conducted Powers – Ant 4

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC 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_5B	LTE B5	10	20525	836.5	2525	881.5	QPSK	1	49	LTE B5	5	20597	843.7	2597	888.7	QPSK	1	0	20.90	20.86

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC 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_7C	LTE B7	20	20850	2510.0	2850	2630.0	QPSK	1	99	LTE B7	20	21048	2529.8	3048	2649.8	QPSK	1	0	13.70	13.65

	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_41C	LTE B41	20	41490	2680.0	QPSK	50	0	LTE B41	20	41292	2660.2	QPSK	50	50	15.05	15.40

	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_41C	LTE B41 PC2	20	41490	2680.0	QPSK	50	0	LTE B41 PC2	20	41292	2660.2	QPSK	50	50	15.03	15.28

Table 8-304
LTE Uplink Carrier Aggregation Conducted Powers – Ant 3B

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC 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_5B	LTE B5	10	20525	836.5	2525	881.5	QPSK	50	0	LTE B5	5	20453	829.3	2453	874.3	QPSK	25	0	17.87	17.81

Table 8-305
LTE Uplink Carrier Aggregation Conducted Powers – Ant 2A

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC 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_7C	LTE B7	20	20850	2510.0	2850	2630.0	QPSK	50	50	LTE B7	20	21048	2529.8	3048	2649.8	QPSK	50	0	14.58	14.46

	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_41C	LTE B41	20	39750	2506.0	QPSK	50	50	LTE B41	20	39948	2525.8	QPSK	50	0	16.18	16.55

	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_41C	LTE B41 PC2	20	39750	2506.0	QPSK	50	50	LTE B41 PC2	20	39948	2525.8	QPSK	50	0	15.98	16.25

Table 8-306
LTE Uplink Carrier Aggregation Conducted Powers – Ant 1A

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC 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_7C	LTE B7	20	20850	2510	2850	2630	QPSK	100	0	LTE B7	20	21048	2529.8	3048	2649.8	QPSK	100	0	13.50	13.69

	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_41C	LTE B41	20	41490	2680	QPSK	100	0	LTE B41	20	41292	2660.2	QPSK	100	0	14.70	14.92

	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_41C	LTE B41 PC2	20	41490	2680	QPSK	100	0	LTE B41 PC2	20	41292	2660.2	QPSK	100	0	14.15	14.99

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Table 8-307
LTE Uplink Carrier Aggregation Conducted Powers – Ant 3A

	PCC									SCC									Power	
Combination	PCC Band	PCC Bandwidth [MHz]	PCC UL Channel	PCC UL Frequency [MHz]	PCC DL Channel	PCC DL Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC UL Channel	SCC UL Frequency [MHz]	SCC DL Channel	SCC 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_7C	LTE B7	20	21350	2560.0	3350	2680.0	QPSK	50	0	LTE B7	20	21152	2540.2	3152	2660.2	QPSK	50	50	11.65	11.52

	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_41C	LTE B41	20	40620	2593.0	QPSK	1	99	LTE B41	20	40818	2612.8	QPSK	1	0	13.55	13.73

	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_41C	LTE B41 PC2	20	40620	2593.0	QPSK	1	99	LTE B41 PC2	20	40818	2612.8	QPSK	1	0	13.46	13.98

Notes:

1. This device supports uplink carrier aggregation for LTE CA_7C, LTE CA_5B and LTE CA_41C with a maximum of two component carriers. For intra-band 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.



Figure 8-3
Power Measurement Setup

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8.4 WLAN Maximum Time-Averaged Conducted Powers

Table 8-308
2.4 GHz WLAN Maximum Average RF Power – Ant 3A, Variant 1

2.4GHz Conducted Power [dBm]					
Freq [MHz]	Channel	IEEE Transmission Mode			
		802.11b	802.11g	802.11n	802.11ax (SU)
		Average	Average	Average	Average
2412	1	11.25	11.17	11.33	11.27
2437	6	11.20	11.28	11.24	11.20
2462	11	11.28	11.23	11.26	11.30

Table 8-309
2.4 GHz WLAN Maximum Average RF Power – Ant 3A, Variant 2

2.4GHz Conducted Power [dBm]					
Freq [MHz]	Channel	IEEE Transmission Mode			
		802.11b	802.11g	802.11n	802.11ax (SU)
		Average	Average	Average	Average
2412	1	11.44	11.30	11.48	11.32
2437	6	11.59	11.57	11.61	11.63
2462	11	11.49	11.42	11.41	11.48

Table 8-310
2.4 GHz WLAN Maximum Average RF Power – Ant 1A, Variant 1

2.4GHz Conducted Power [dBm]					
Freq [MHz]	Channel	IEEE Transmission Mode			
		802.11b	802.11g	802.11n	802.11ax (SU)
		Average	Average	Average	Average
2412	1	12.18	12.30	12.26	11.53
2417	2	N/A	N/A	N/A	12.31
2437	6	12.28	12.29	12.31	12.15
2457	10	N/A	N/A	N/A	12.23
2462	11	12.19	12.20	12.16	12.08

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Table 8-311
2.4 GHz WLAN Maximum Average RF Power – Ant 1A, Variant 2

2.4GHz Conducted Power [dBm]					
Freq [MHz]	Channel	IEEE Transmission Mode			
		802.11b	802.11g	802.11n	802.11ax (SU)
		Average	Average	Average	Average
2412	1	12.34	12.34	12.33	12.28
2417	2	N/A	N/A	N/A	12.27
2437	6	12.35	12.43	12.37	12.39
2457	10	N/A	N/A	N/A	12.22
2462	11	12.26	12.25	12.28	12.29

Table 8-312
5 GHz WLAN Maximum Average RF Power – Ant 2B, Variant 1

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	8.56	8.68
5290	58	10.60	10.50
5530	106	10.10	10.17
5610	122	10.17	10.10
5690	138	10.09	10.11
5775	155	9.38	9.45

Table 8-313
5 GHz WLAN Maximum Average RF Power – Ant 2B, Variant 2

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	8.51	8.61
5290	58	10.51	10.60
5530	106	10.12	10.06
5610	122	10.21	10.20
5690	138	10.18	10.20
5775	155	9.32	9.35

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Table 8-314
5 GHz WLAN Maximum Average RF Power – Ant 2A, Variant 1

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	9.40	9.42
5290	58	9.35	9.41
5530	106	9.16	9.10
5610	122	9.19	9.29
5690	138	8.96	9.10
5775	155	10.18	10.30

Table 8-315
5 GHz WLAN Maximum Average RF Power – Ant 2A, Variant 2

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	9.53	9.52
5290	58	9.16	9.08
5530	106	8.91	8.90
5610	122	9.01	8.94
5690	138	8.94	9.00
5775	155	10.20	10.31

Table 8-316
5 GHz WLAN Maximum Average RF Power – Ant 1B, Variant 1

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	10.35	10.30
5290	58	9.05	9.12
5530	106	9.27	9.33
5610	122	9.17	9.31
5690	138	9.34	9.40
5775	155	9.31	9.40

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Table 8-317
5 GHz WLAN Maximum Average RF Power – Ant 1B, Variant 2

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	10.54	10.44
5290	58	9.10	9.13
5530	106	9.28	9.13
5610	122	9.31	9.20
5690	138	9.38	9.27
5775	155	9.22	9.17

Table 8-318
5 GHz WLAN Maximum Average RF Power – Ant 2B and Ant 2A MIMO, Variant 1

5GHz (80MHz) Conducted Power [dBm]							
Freq [MHz]	Channel	IEEE Transmission Mode					
		802.11ac			802.11ax (SU)		
		Ant 2a Average	Ant 2b Average	MIMO	Ant 2a Average	Ant 2b Average	MIMO
5210	42	9.58	9.66	12.63	9.70	9.67	12.70
5290	58	8.92	10.58	12.84	9.05	10.47	12.83
5530	106	9.91	9.42	12.68	9.80	9.41	12.62
5610	122	9.62	9.61	12.63	9.65	9.61	12.64
5690	138	9.49	9.65	12.58	9.40	9.75	12.59
5775	155	10.30	9.10	12.75	10.39	9.07	12.79

Table 8-319
5 GHz WLAN Maximum Average RF Power – Ant 2B and Ant 2A MIMO, Variant 2

5GHz (80MHz) Conducted Power [dBm]							
Freq [MHz]	Channel	IEEE Transmission Mode					
		802.11ac			802.11ax (SU)		
		Ant 2a Average	Ant 2b Average	MIMO	Ant 2a Average	Ant 2b Average	MIMO
5210	42	9.63	9.55	12.60	9.70	9.61	12.67
5290	58	8.83	10.47	12.74	8.91	10.46	12.76
5530	106	9.80	9.33	12.58	9.74	9.37	12.57
5610	122	9.72	9.18	12.47	9.88	9.22	12.57
5690	138	9.40	9.21	12.32	9.32	9.13	12.24
5775	155	10.38	8.80	12.67	10.45	8.75	12.69

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Table 8-320
5 GHz WLAN Maximum Average RF Power – Ant 2B and Ant 1B MIMO, Variant 1

5GHz (80MHz) Conducted Power [dBm]							
Freq [MHz]	Channel	IEEE Transmission Mode					
		802.11ac			802.11ax (SU)		
		Ant 1b Average	Ant 2b Average	MIMO	Ant 1b Average	Ant 2b Average	MIMO
5210	42	10.41	9.78	13.12	10.32	9.60	12.99
5290	58	8.60	10.58	12.71	8.65	10.48	12.67
5530	106	9.35	9.37	12.37	9.38	9.22	12.31
5610	122	9.31	9.27	12.30	9.34	9.24	12.30
5690	138	9.29	9.34	12.33	9.27	9.29	12.29
5775	155	9.38	8.70	12.06	9.50	8.85	12.20

Table 8-321
5 GHz WLAN Maximum Average RF Power – Ant 2B and Ant 1B MIMO, Variant 2

5GHz (80MHz) Conducted Power [dBm]							
Freq [MHz]	Channel	IEEE Transmission Mode					
		802.11ac			802.11ax (SU)		
		Ant 1b Average	Ant 2b Average	MIMO	Ant 1b Average	Ant 2b Average	MIMO
5210	42	10.75	9.52	13.19	10.48	9.63	13.09
5290	58	8.70	10.30	12.58	8.83	10.39	12.69
5530	106	9.31	9.36	12.35	9.31	9.42	12.38
5610	122	9.33	9.38	12.37	9.34	9.40	12.38
5690	138	9.22	9.21	12.23	9.30	9.38	12.35
5775	155	9.37	8.80	12.10	9.24	8.90	12.08

8.5 WLAN Reduced Conducted Powers

Table 8-322
2.4 GHz WLAN Reduced Average RF Power – Ant 3A, Variant 1

2.4GHz Conducted Power [dBm]					
Freq [MHz]	Channel	IEEE Transmission Mode			
		802.11b	802.11g	802.11n	802.11ax (SU)
		Average	Average	Average	Average
2412	1	5.89	5.90	5.98	5.89
2437	6	5.97	5.92	5.87	5.96
2462	11	5.95	5.86	5.90	5.92

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Table 8-323
2.4 GHz WLAN Reduced Average RF Power – Ant 3A, Variant 2

2.4GHz Conducted Power [dBm]					
Freq [MHz]	Channel	IEEE Transmission Mode			
		802.11b	802.11g	802.11n	802.11ax (SU)
		Average	Average	Average	Average
2412	1	5.82	5.71	5.94	5.81
2437	6	5.97	5.72	5.96	5.97
2462	11	5.89	5.84	5.90	5.80

Table 8-324
2.4 GHz WLAN Reduced Average RF Power – Ant 1A, Variant 1

2.4GHz Conducted Power [dBm]					
Freq [MHz]	Channel	IEEE Transmission Mode			
		802.11b	802.11g	802.11n	802.11ax (SU)
		Average	Average	Average	Average
2412	1	6.56	6.52	6.61	6.70
2437	6	6.49	6.41	6.52	6.43
2462	11	6.63	6.51	6.73	6.61

Table 8-325
2.4 GHz WLAN Reduced Average RF Power – Ant 1A, Variant 2

2.4GHz Conducted Power [dBm]					
Freq [MHz]	Channel	IEEE Transmission Mode			
		802.11b	802.11g	802.11n	802.11ax (SU)
		Average	Average	Average	Average
2412	1	6.60	6.47	6.60	6.52
2437	6	6.58	6.40	6.39	6.55
2462	11	6.54	6.54	6.56	6.58

Table 8-326
5 GHz WLAN Reduced Average RF Power – Ant 2B, Variant 1

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	2.89	3.20
5290	58	4.44	4.45
5530	106	2.74	3.10
5610	122	2.89	3.19
5690	138	2.45	3.24
5775	155	2.32	2.74

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Table 8-327
5 GHz WLAN Reduced Average RF Power – Ant 2B, Variant 2

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	3.31	3.41
5290	58	4.42	4.29
5530	106	2.56	2.70
5610	122	2.67	2.88
5690	138	2.60	2.80
5775	155	2.58	2.72

Table 8-328
5 GHz WLAN Reduced Average RF Power – Ant 2A, Variant 1

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	3.43	3.45
5290	58	2.71	2.68
5530	106	3.56	3.43
5610	122	3.64	3.64
5690	138	3.63	3.47
5775	155	4.12	4.17

Table 8-329
5 GHz WLAN Reduced Average RF Power – Ant 2A, Variant 2

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	2.51	2.60
5290	58	2.31	2.44
5530	106	3.01	3.04
5610	122	3.03	3.14
5690	138	2.89	2.80
5775	155	3.47	3.60

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Table 8-330
5 GHz WLAN Reduced Average RF Power – Ant 1B, Variant 1

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	4.41	4.45
5290	58	2.71	2.74
5530	106	3.06	3.00
5610	122	3.07	2.97
5690	138	3.23	3.23
5775	155	3.24	3.24

Table 8-331
5 GHz WLAN Reduced Average RF Power – Ant 1B, Variant 2

5GHz (80MHz) Conducted Power [dBm]			
Freq [MHz]	Channel	IEEE Transmission Mode	
		802.11ac	802.11ax (SU)
		Average	Average
5210	42	4.44	4.45
5290	58	2.73	2.74
5530	106	3.21	3.16
5610	122	2.98	3.13
5690	138	3.14	3.15
5775	155	3.23	3.24

8.6 WLAN Power Reduction Verification Summary

Table 8-332
WLAN Power Reduction Verification

Antenna	Mode/Band	Condition (s)	Maximum Scenario Maximum Allowed Tune Up Power [dBm]	Reduced Scenario Maximum Allowed Tune Up Power [dBm]	Maximum Target Power [dBm] (Tolerance [dB])	Reduced Target Power [dBm] (Tolerance [dB])	Maximum Measured Power [dBm]	Reduced Measured Power [dBm]	Verdict
Ant 1A	2.4 GHz WLAN	Main Band 1A ON	13.75	6.75	12.25 (+1.5/-1.5)	5.25 (+1.5/-1.5)	12.5	5.7	PASS
	2.4 GHz WLAN	Interband ULCA ON	13.75	6.75	12.25 (+1.5/-1.5)	5.25 (+1.5/-1.5)	12.5	6.1	PASS
Ant 3A	2.4 GHz WLAN	Main Band 3A/3B ON	13	6	11.50 (+1.5/-1.5)	4.50 (+1.5/-1.5)	11.4	4.44	PASS
	2.4 GHz WLAN	Interband ULCA ON	13	6	11.50 (+1.5/-1.5)	4.50 (+1.5/-1.5)	11.4	4.5	PASS
Ant 1B	5 GHz WLAN	Main Band 1A ON	11.5	4.5	10.00 (+1.5/-1.5)	3.00 (+1.5/-1.5)	11.34	4.31	PASS
	5 GHz WLAN	Interband ULCA ON	11.5	4.5	10.00 (+1.5/-1.5)	3.00 (+1.5/-1.5)	11.34	4.06	PASS
Ant 2B	5 GHz WLAN	Main Band 2A ON	11.5	4.5	10.00 (+1.5/-1.5)	3.00 (+1.5/-1.5)	11.18	3.86	PASS
	5 GHz WLAN	Interband ULCA ON	11.5	4.5	10.00 (+1.5/-1.5)	3.00 (+1.5/-1.5)	11.18	3.71	PASS
Ant 2A	5 GHz WLAN	Main Band 2A ON	11.25	4.25	9.75 (+1.5/-1.5)	2.75 (+1.5/-1.5)	11.21	3.2	PASS
	5 GHz WLAN	Interband ULCA ON	11.25	4.25	9.75 (+1.5/-1.5)	2.75 (+1.5/-1.5)	11.18	2.7	PASS

Conducted powers were measured for each Mode/Band and applied condition. All conducted power measurements were verified to be within tolerance.

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8.7 Notes for WLAN

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.
- 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.
- The WLAN chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with the identical mechanical structure to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report.
- WLAN SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining WLAN configurations.

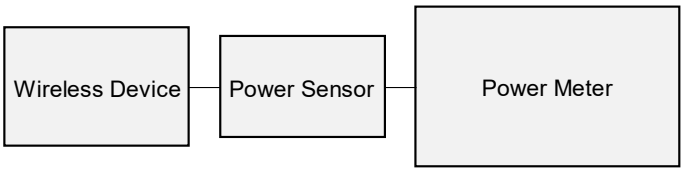


Figure 8-4
Power Measurement Setup

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8.8 Bluetooth Conducted Powers

Table 8-333
Maximum Bluetooth Average RF Power – Ant 3A, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	12.96	19.770
2441	GFSK	1.0	39	12.42	17.458
2480	GFSK	1.0	78	12.77	18.923

Table 8-334
Maximum Bluetooth Average RF Power – Ant 3A, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	12.98	19.861
2441	GFSK	1.0	39	13.04	20.137
2480	GFSK	1.0	78	13.15	20.654

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Table 8-335
Maximum Bluetooth Average RF Power – Ant 1A, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	12.67	18.493
2441	GFSK	1.0	39	12.70	18.621
2480	GFSK	1.0	78	12.73	18.750

Table 8-336
Maximum Bluetooth Average RF Power – Ant 1A, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	13.41	21.928
2441	GFSK	1.0	39	12.75	18.836
2480	GFSK	1.0	78	12.75	18.836

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Table 8-337
Reduced Power Bluetooth Average RF Power – Ant 3A, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.62	4.592
2441	GFSK	1.0	39	6.48	4.446
2480	GFSK	1.0	78	6.44	4.406

Table 8-338
Reduced Power Bluetooth Average RF Power – Ant 3A, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.74	4.721
2441	GFSK	1.0	39	6.59	4.560
2480	GFSK	1.0	78	6.66	4.634

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Table 8-339
Reduced Power Bluetooth Average RF Power – Ant 1A, Variant 1

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.65	4.624
2441	GFSK	1.0	39	6.56	4.529
2480	GFSK	1.0	78	6.40	4.365

Table 8-340
Reduced Power Bluetooth Average RF Power – Ant 1A, Variant 2

Frequency [MHz]	Modulation	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
				[dBm]	[mW]
2402	GFSK	1.0	0	6.75	4.732
2441	GFSK	1.0	39	6.72	4.699
2480	GFSK	1.0	78	6.61	4.581

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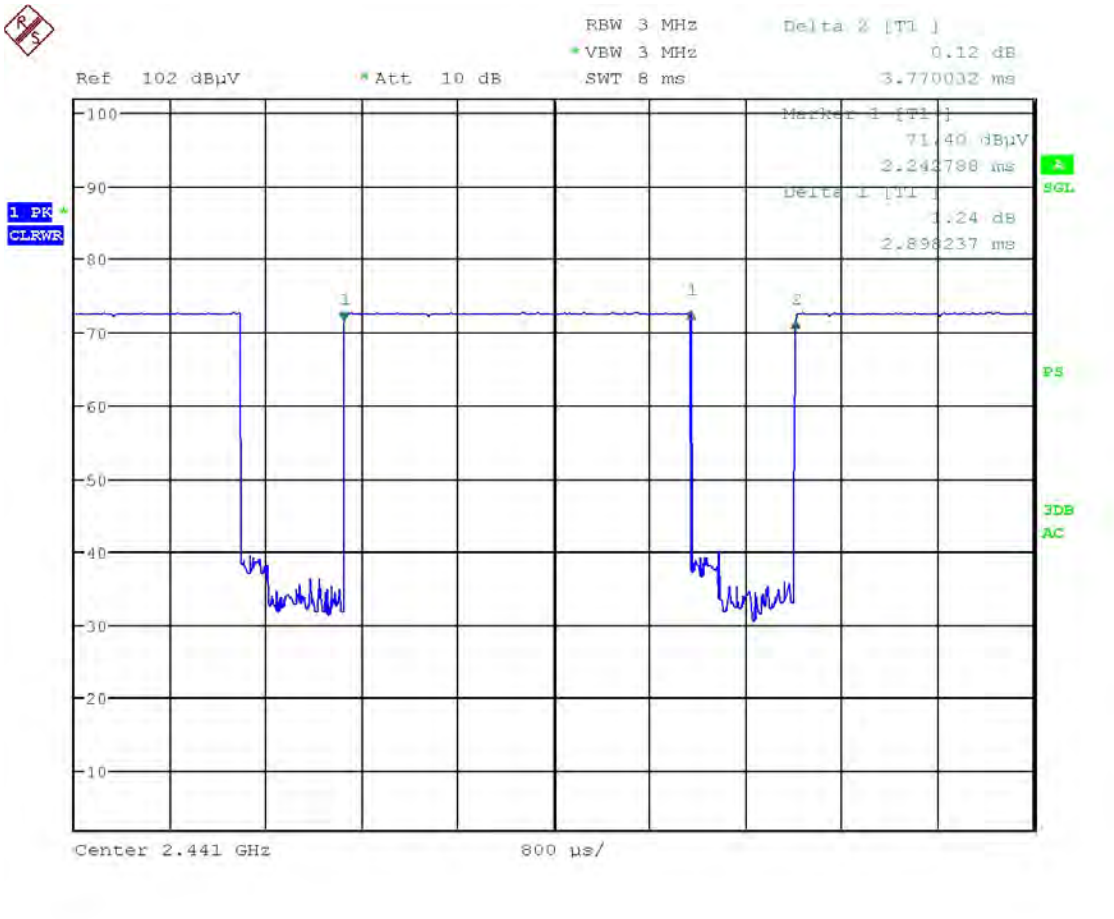


Figure 8-5
Bluetooth Transmission Plot – Ant 3A, Variant 1

Equation 8-1
Bluetooth Duty Cycle Calculation – Ant 3A, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.8982\ ms}{3.7700\ ms} * 100\% = 76.9\%$$

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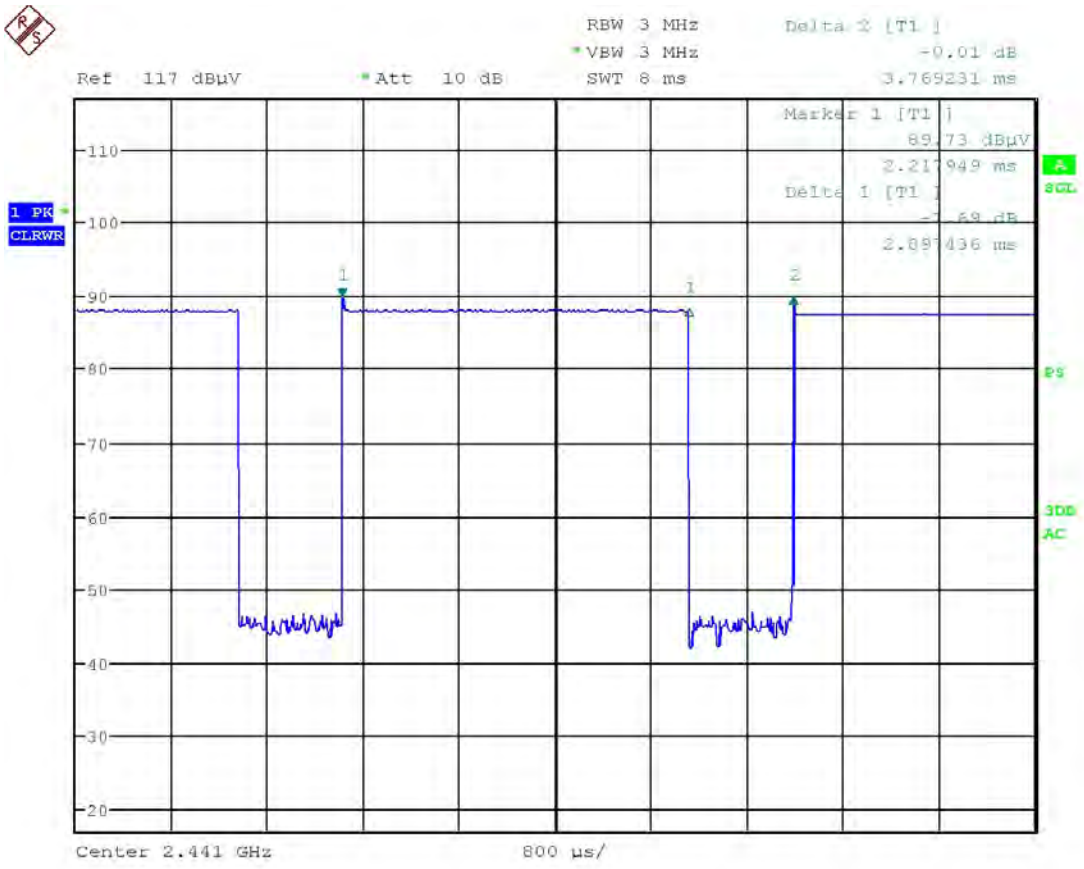


Figure 8-6
Bluetooth Transmission Plot – Ant 3A, Variant 2

Equation 8-2
Bluetooth Duty Cycle Calculation – Ant 3A, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.8974\ ms}{3.7692\ ms} * 100\% = 76.9\%$$

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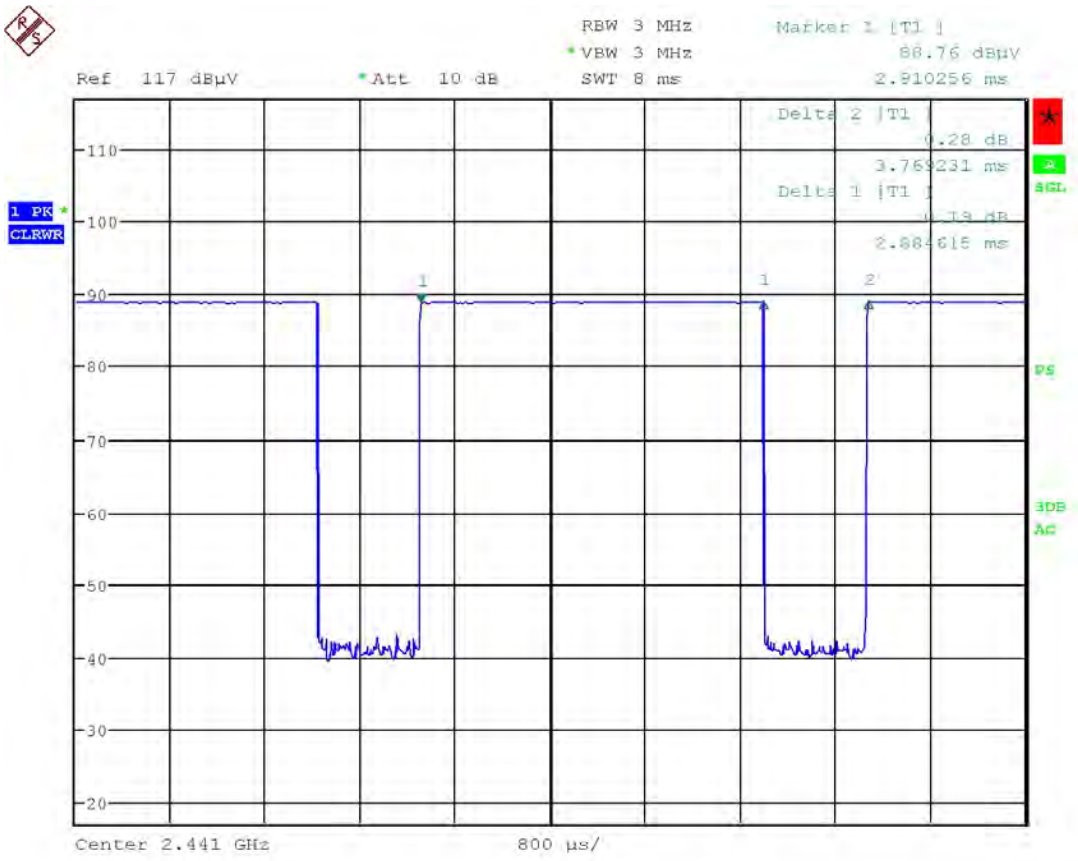


Figure 8-7
Bluetooth Transmission Plot – Ant 1A, Variant 1

Equation 8-3
Bluetooth Duty Cycle Calculation – Ant 1A, Variant 1

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.8846\ ms}{3.7692\ ms} * 100\% = 76.5\%$$

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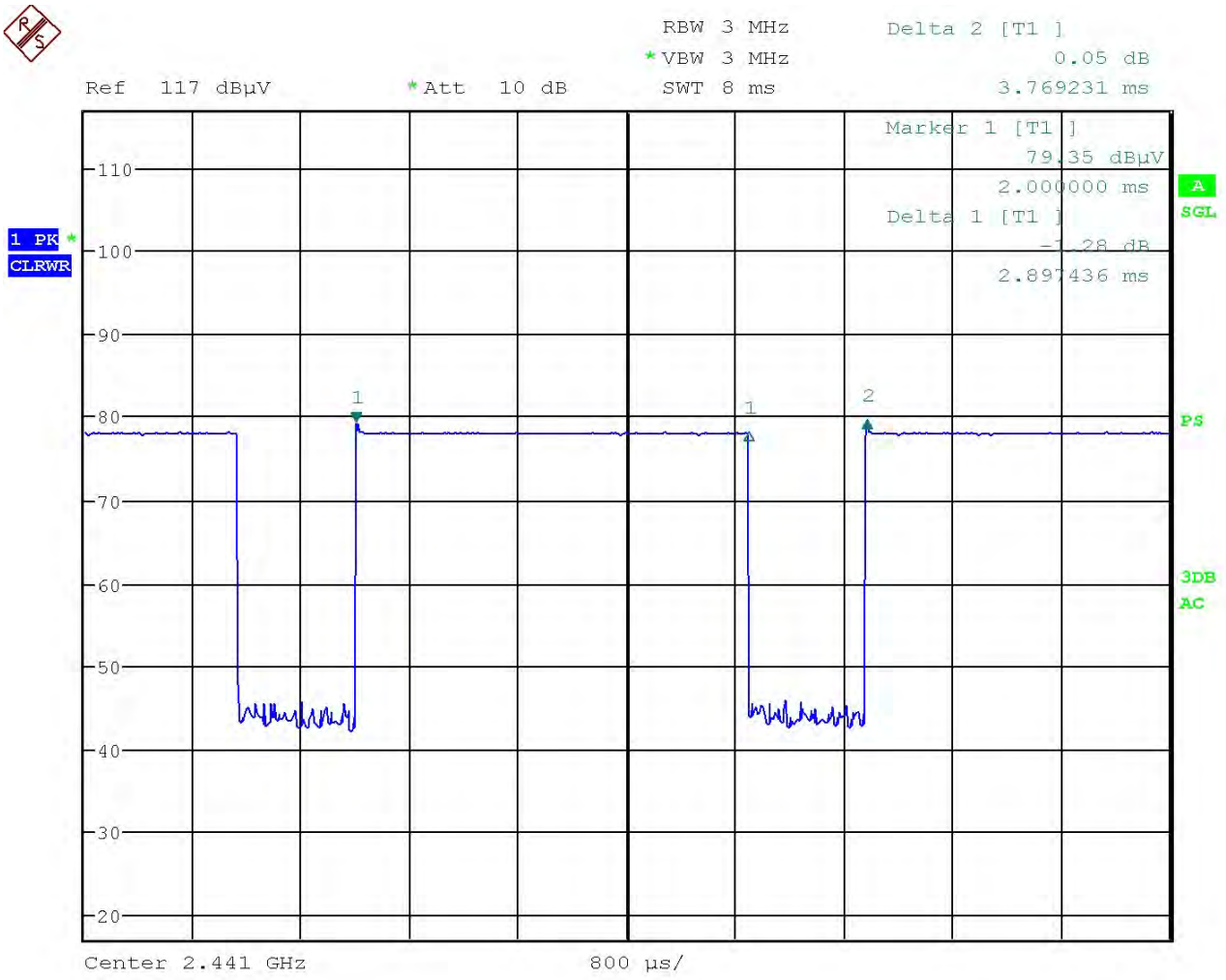


Figure 8-8
Bluetooth Transmission Plot – Ant 1A, Variant 2

Equation 8-4
Bluetooth Duty Cycle Calculation – Ant 1A, Variant 2

$$Duty\ Cycle = \frac{Pulse\ Width}{Period} * 100\% = \frac{2.8974\ ms}{3.7692\ ms} * 100\% = 76.9\%$$

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8.9 Bluetooth Power Reduction Verification Summary

Table 8-341
Bluetooth Power Reduction Verification

Antenna	Mode/Band	Condition (s)	Maximum Scenario Maximum Allowed Tune Up Power [dBm]	Reduced Scenario Maximum Allowed Tune Up Power [dBm]	Maximum Target Power [dBm] (Tolerance [dB])	Reduced Target Power [dBm] (Tolerance [dB])	Maximum Measured Power [dBm]	Reduced Measured Power [dBm]	Verdict
Ant 1A	2.4 GHz Bluetooth	Main Band Ant 1A ON	13.75	6.75	12.25 (+1.5/-2)	5.25 (+1.5/-2)	12.76	5.4	PASS
	2.4 GHz Bluetooth	5 GHz Ant 1B/2B/2A WLAN ON	13.75	6.75	12.25 (+1.5/-2)	5.25 (+1.5/-2)	12.76	5.51	PASS
	2.4 GHz Bluetooth	5 GHZ Ant 1B and 2B MIMO WLAN ON	13.75	6.75	12.25 (+1.5/-2)	5.25 (+1.5/-2)	12.76	5.25	PASS
	2.4 GHz Bluetooth	5 GHz Ant 2B and 2A MIMO WLAN ON	13.75	6.75	12.25 (+1.5/-2)	5.25 (+1.5/-2)	12.76	5.33	PASS
	2.4 GHz Bluetooth	Interband ULCA ON	13.75	6.75	12.25 (+1.5/-2)	5.25 (+1.5/-2)	12.76	5.59	PASS
Ant 3A	2.4 GHz Bluetooth	Main Band Ant 3A/3B ON	13.75	6.75	12.25 (+1.5/-2)	5.25 (+1.5/-2)	13.1	5.31	PASS
	2.4 GHz Bluetooth	Interband ULCA ON	13.75	6.75	12.25 (+1.5/-2)	5.25 (+1.5/-2)	13.1	5.3	PASS

Conducted powers were measured for each Mode/Band applied condition. All conducted power measurements were verified to be within tolerance.

8.10 Notes for Bluetooth

- The Bluetooth chipset in this device is produced by two different suppliers. The electrically identical modules are manufactured with the identical mechanical structure to meet the same specifications and functions. Two device variants are referenced as Variant 1 and Variant 2 in this report.
- Bluetooth SAR worst case configuration was spotchecked on Variant 1 and Variant 2. The Variant with the highest reported SAR value was evaluated for the remaining Bluetooth configurations.
- Full power measurements were performed for Variant 1 and Variant 2 per FCC KDB Procedures 248227.

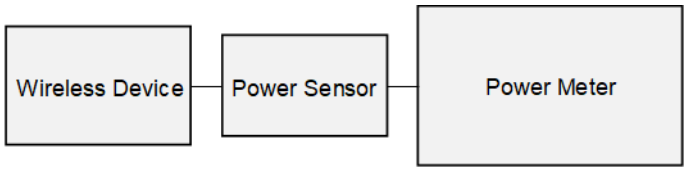


Figure 8-9
Power Measurement Setup

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9 SYSTEM VERIFICATION

9.1 Tissue Verification

Table 9-1
Measured 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
8/3/2020	750B	20.5	680	0.952	53.520	0.958	55.804	-0.63%	-4.09%
			695	0.957	53.502	0.959	55.745	-0.21%	-4.02%
			700	0.958	53.497	0.959	55.726	-0.10%	-4.00%
			710	0.962	53.482	0.960	55.687	0.21%	-3.96%
			720	0.966	53.457	0.961	55.648	0.52%	-3.94%
			725	0.968	53.443	0.961	55.629	0.73%	-3.93%
			740	0.974	53.400	0.963	55.570	1.14%	-3.90%
			755	0.980	53.352	0.964	55.512	1.66%	-3.89%
			770	0.986	53.306	0.965	55.453	2.18%	-3.87%
			785	0.991	53.268	0.966	55.395	2.59%	-3.84%
			800	0.996	53.228	0.967	55.336	3.00%	-3.81%
8/3/2020	835B	20.9	800	0.944	53.419	0.967	55.336	-2.38%	-3.46%
			820	0.951	53.373	0.969	55.258	-1.86%	-3.41%
			835	0.957	53.350	0.970	55.200	-1.34%	-3.35%
			850	0.963	53.321	0.988	55.154	-2.53%	-3.32%
8/11/2020	835B	20.9	815	0.956	53.931	0.969	55.278	-1.29%	-2.44%
			820	0.961	53.877	0.969	55.258	-0.83%	-2.50%
			835	0.975	53.723	0.970	55.200	0.52%	-2.68%
			850	0.990	53.576	0.988	55.154	0.20%	-2.86%
8/13/2020	835B	21.4	820	0.970	53.603	0.969	55.258	0.10%	-3.00%
			835	0.986	53.456	0.970	55.200	1.65%	-3.16%
			850	1.001	53.305	0.988	55.154	1.32%	-3.35%
8/3/2020	1750B	21.0	1710	1.465	51.321	1.463	53.537	0.14%	-4.14%
			1750	1.500	51.199	1.488	53.432	0.81%	-4.18%
			1790	1.541	51.050	1.514	53.326	1.78%	-4.27%
8/13/2020	1750B	21.1	1710	1.463	51.665	1.463	53.537	0.00%	-3.50%
			1750	1.498	51.555	1.488	53.432	0.67%	-3.51%
			1790	1.535	51.428	1.514	53.326	1.39%	-3.56%
7/28/2020	1900B	24.3	1850	1.538	51.746	1.520	53.300	1.18%	-2.92%
			1880	1.566	51.663	1.520	53.300	3.03%	-3.07%
			1910	1.594	51.573	1.520	53.300	4.87%	-3.24%
8/7/2020	1900B	24.2	1850	1.536	51.947	1.520	53.300	1.05%	-2.54%
			1880	1.565	51.864	1.520	53.300	2.96%	-2.69%
			1910	1.594	51.779	1.520	53.300	4.87%	-2.85%
8/10/2020	1900B	24.5	1850	1.540	51.755	1.520	53.300	1.32%	-2.90%
			1880	1.567	51.676	1.520	53.300	3.09%	-3.05%
			1910	1.594	51.617	1.520	53.300	4.87%	-3.16%
9/16/2020	1900B	22.1	1850	1.509	51.239	1.520	53.300	3.22%	-3.87%
			1880	1.588	51.199	1.520	53.300	4.47%	-3.94%
			1910	1.595	51.162	1.520	53.300	4.93%	-4.01%
9/2/2020	2300B	23.0	2300	1.867	51.507	1.809	52.900	3.21%	-2.63%
			2310	1.877	51.476	1.816	52.887	3.36%	-2.67%
			2320	1.887	51.443	1.826	52.873	3.34%	-2.70%
8/10/2020	2450B	23.1	2400	1.983	50.492	1.902	52.767	4.26%	-4.31%
			2450	2.029	50.436	1.950	52.700	4.05%	-4.30%
			2500	2.070	50.353	2.021	52.636	2.42%	-4.34%
8/11/2020	2450B-2600B	21.5	2400	1.988	51.362	1.902	52.767	3.47%	-2.66%
			2450	2.034	51.157	1.950	52.700	4.31%	-2.93%
			2500	2.102	50.959	2.021	52.636	4.01%	-3.19%
			2550	2.167	50.781	2.092	52.573	3.59%	-3.41%
			2600	2.240	50.617	2.163	52.509	3.56%	-3.60%
			2650	2.313	50.433	2.234	52.445	3.54%	-3.84%
			2700	2.389	50.222	2.305	52.382	3.64%	-4.12%
			2750	2.462	49.998	2.375	52.320	3.66%	-4.44%
8/11/2020	2450B-2600B	21.9	2400	1.964	52.099	1.902	52.767	3.26%	-1.27%
			2450	2.029	51.911	1.950	52.700	4.05%	-1.50%
			2500	2.099	51.713	2.021	52.636	3.86%	-1.75%
			2550	2.163	51.513	2.092	52.573	3.39%	-2.02%
			2600	2.237	51.342	2.163	52.509	3.42%	-2.22%
			2650	2.306	51.142	2.234	52.445	3.22%	-2.48%
			2700	2.383	50.954	2.305	52.382	3.38%	-2.73%
8/13/2020	2450B	22.5	2400	1.937	51.468	1.902	52.767	1.84%	-2.46%
			2450	2.002	51.279	1.950	52.700	2.67%	-2.70%
			2500	2.076	51.088	2.021	52.636	2.72%	-2.94%
8/7/2020	3500B-3700B	20.4	3500	3.447	50.050	3.314	51.321	4.01%	-2.48%
			3550	3.495	49.936	3.372	51.254	3.65%	-2.57%
			3600	3.558	49.902	3.431	51.186	3.70%	-2.51%
			3645	3.603	49.810	3.483	51.125	3.45%	-2.57%
			3685	3.657	49.777	3.530	51.070	3.60%	-2.53%
			3725	3.701	49.756	3.577	51.016	3.47%	-2.47%
08/03/2020	5200B-5800B	22.9	5180	5.429	47.849	5.276	49.041	2.90%	-2.43%
			5200	5.458	47.822	5.299	49.014	3.00%	-2.43%
			5220	5.477	47.773	5.323	48.987	2.89%	-2.48%
			5240	5.504	47.740	5.346	48.960	2.96%	-2.49%
			5260	5.536	47.708	5.369	48.933	3.11%	-2.50%
			5280	5.561	47.697	5.393	48.906	3.12%	-2.47%
			5300	5.589	47.658	5.416	48.879	3.19%	-2.50%
			5320	5.613	47.595	5.439	48.851	3.20%	-2.57%
			5500	5.850	47.293	5.650	48.607	3.54%	-2.70%
			5520	5.877	47.270	5.673	48.580	3.60%	-2.70%
			5540	5.902	47.224	5.696	48.553	3.62%	-2.74%
			5560	5.931	47.177	5.720	48.526	3.69%	-2.78%
			5580	5.963	47.150	5.743	48.499	3.83%	-2.78%
			5600	5.988	47.134	5.766	48.471	3.85%	-2.76%
			5620	6.011	47.083	5.790	48.444	3.82%	-2.81%
			5640	6.043	47.050	5.813	48.417	3.96%	-2.82%
			5660	6.071	47.027	5.837	48.390	4.01%	-2.82%
			5680	6.102	46.987	5.860	48.363	4.13%	-2.85%
			5700	6.132	46.959	5.883	48.336	4.23%	-2.85%
			5745	6.185	46.881	5.936	48.275	4.19%	-2.89%
			5765	6.219	46.840	5.959	48.248	4.36%	-2.92%
			5785	6.256	46.821	5.982	48.220	4.58%	-2.90%
			5800	6.270	46.809	6.000	48.200	4.50%	-2.89%
			5805	6.275	46.800	6.006	48.193	4.48%	-2.89%
			5825	6.303	46.756	6.029	48.166	4.54%	-2.93%

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.

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9.2 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 Appendix D.

Table 9-2
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	Measured SAR_{1g} (W/kg)	1 W Target SAR_{1g} (W/kg)	1 W Normalized SAR_{1g} (W/kg)	$Deviation_{1g}$ (%)
AM8	750	BODY	08/03/2020	20.3	20.5	0.200	1097	7532	1.610	8.560	8.050	-5.96%
AM6	835	BODY	08/03/2020	21.1	19.4	0.200	4d180	3837	2.070	9.590	10.350	7.92%
AM4	850	BODY	08/11/2020	19.4	20.9	0.200	1010	7421	2.170	10.200	10.850	6.37%
AM4	850	BODY	08/13/2020	20.2	21.0	0.200	1010	7421	2.180	10.200	10.900	6.86%
AM1	1750	BODY	08/03/2020	22.9	20.9	0.100	1104	7427	3.900	36.600	39.000	6.56%
AM1	1750	BODY	08/13/2020	22.5	21.0	0.100	1092	7427	3.830	36.400	38.300	5.22%
AM7	1900	BODY	07/28/2020	22.1	23.5	0.100	5d181	7490	3.930	39.500	39.300	-0.51%
AM7	1900	BODY	08/07/2020	22.5	24.0	0.100	5d181	7490	3.880	39.500	38.800	-1.77%
AM7	1900	BODY	08/10/2020	21.3	22.6	0.100	5d181	7490	3.910	39.500	39.100	-1.01%
AM7	1900	BODY	09/16/2020	20.9	20.8	0.100	5d030	7490	4.050	39.900	40.500	1.50%
AM1	2300	BODY	09/02/2020	22.4	22.0	0.100	1038	7427	4.780	46.700	47.800	2.36%
AM8	2450	BODY	08/10/2020	22.4	22.1	0.100	945	7532	5.170	49.400	51.700	4.66%
AM5	2450	BODY	08/11/2020	21.1	19.5	0.100	750	7416	4.930	51.000	49.300	-3.33%
AM3	2450	BODY	08/11/2020	22.9	22.2	0.100	945	7491	5.240	49.400	52.400	6.07%
AM3	2450	BODY	08/13/2020	22.7	22.5	0.100	945	7491	5.240	49.400	52.400	6.07%
AM5	2600	BODY	08/11/2020	21.1	19.5	0.100	1042	7416	5.590	55.200	55.900	1.27%
AM3	2600	BODY	08/11/2020	22.9	22.2	0.100	1009	7491	5.840	55.500	58.400	5.23%
AM4	3500	BODY	08/07/2020	20.2	20.6	0.100	1055	7421	6.490	65.000	64.900	-0.15%
AM4	3700	BODY	08/07/2020	20.2	20.6	0.100	1002	7421	6.380	64.700	63.800	-1.39%
AM2	5250	BODY	08/03/2020	21.7	21.0	0.050	1123	7420	3.510	74.000	70.200	-5.14%
AM2	5600	BODY	08/03/2020	21.7	21.0	0.050	1123	7420	3.990	77.600	79.800	2.84%
AM2	5750	BODY	08/03/2020	21.7	21.0	0.050	1123	7420	3.720	74.700	74.400	-0.40%

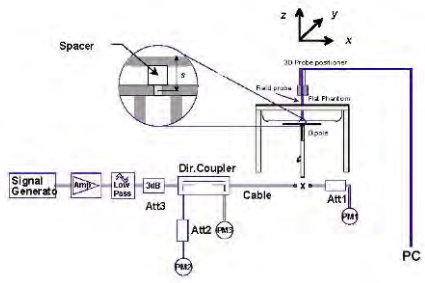


Figure 9-1
System Verification Setup Diagram



Figure 9-2
System Verification Setup Photo

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10 SAR DATA SUMMARY

10.1 Standalone SAR Data

Table 10-1
GPRS 850 MHz Ant 4 Body SAR

MEASUREMENT RESULTS																					
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	# of Time Slots	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.													(W/kg)		(W/kg)	(W/kg)	(W/kg)	
824.20	128	GSM 850	GPRS	28.2	28.03	0.03	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	back	1.120	1.040	1.165	0.581	0.604	
836.60	190	GSM 850	GPRS	28.2	28.05	0.03	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	back	1.040	1.035	1.076	0.448	0.464	
848.80	251	GSM 850	GPRS	28.2	27.90	-0.04	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	back	0.959	1.072	1.028	0.411	0.441	
824.20	128	GSM 850	GPRS	28.2	28.03	-0.20	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	top	0.941	1.040	0.979	0.417	0.434	
836.60	190	GSM 850	GPRS	28.2	28.05	0.03	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	top	0.986	1.035	1.021	0.425	0.440	
848.80	251	GSM 850	GPRS	28.2	27.90	0.05	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	top	0.964	1.072	1.033	0.418	0.448	
836.60	190	GSM 850	GPRS	28.2	28.05	-0.13	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	bottom	0.025	1.035	0.026	0.012	0.012	
836.60	190	GSM 850	GPRS	28.2	28.05	0.20	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	right	0.040	1.035	0.041	0.020	0.021	
824.20	128	GSM 850	GPRS	28.2	28.03	-0.02	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	left	1.080	1.040	1.123	0.447	0.465	
836.60	190	GSM 850	GPRS	28.2	28.05	-0.05	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	left	1.140	1.035	1.180	0.477	0.494	
848.80	251	GSM 850	GPRS	28.2	27.90	-0.03	Body	0 mm	Ant 4	DLXD1011Q8N7	2	1:4.15	left	1.090	1.072	1.168	0.469	0.503	
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 10-2
GPRS 850 MHz Ant 3B Body SAR

MEASUREMENT RESULTS																					
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	# of Time Slots	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.													(W/kg)		(W/kg)	(W/kg)	(W/kg)	
824.20	128	GSM 850	GPRS	24.8	24.66	-0.01	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	back	0.916	1.033	0.946	0.474	0.490	
836.60	190	GSM 850	GPRS	24.8	24.56	-0.05	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	back	0.988	1.057	1.044	0.510	0.539	
848.80	251	GSM 850	GPRS	24.8	24.66	-0.03	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	back	1.150	1.033	**1.188**	0.559	**0.577**	A1
824.20	128	GSM 850	GPRS	24.8	24.66	0.13	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	top	0.931	1.033	0.962	0.410	0.424	
836.60	190	GSM 850	GPRS	24.8	24.56	0.00	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	top	0.876	1.057	0.926	0.388	0.410	
848.80	251	GSM 850	GPRS	24.8	24.66	0.05	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	top	0.898	1.033	0.928	0.379	0.392	
836.60	190	GSM 850	GPRS	24.8	24.56	0.20	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	bottom	0.004	1.057	0.004	0.002	0.002	
836.60	190	GSM 850	GPRS	24.8	24.56	0.02	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	right	0.132	1.057	0.140	0.058	0.061	
836.60	190	GSM 850	GPRS	24.8	24.56	0.21	Body	0 mm	Ant 3B	DLXD100SQ8N7	2	1:4.15	left	0.026	1.057	0.027	0.013	0.014	
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 10-3
GPRS 1900 MHz Ant 4 Body SAR

MEASUREMENT RESULTS																					
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	# of Time Slots	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.													(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1850.20	512	GSM 1900	GPRS	23.0	22.81	-0.02	Body	0 mm	Ant 4	DLXD1006Q8NF	2	1:4.15	back	1.070	1.045	1.118	0.442	0.462	
1880.00	661	GSM 1900	GPRS	23.0	22.79	-0.04	Body	0 mm	Ant 4	DLXD1006Q8NF	2	1:4.15	back	1.080	1.050	1.134	0.445	0.467	
1909.80	810	GSM 1900	GPRS	23.0	22.74	0.03	Body	0 mm	Ant 4	DLXD1006Q8NF	2	1:4.15	back	1.120	1.062	**1.189**	0.430	**0.457**	A2
1880.00	661	GSM 1900	GPRS	23.0	22.79	0.03	Body	0 mm	Ant 4	DLXD1006Q8NF	2	1:4.15	top	0.626	1.050	0.657	0.261	0.274	
1880.00	661	GSM 1900	GPRS	23.0	22.79	0.21	Body	0 mm	Ant 4	DLXD1006Q8NF	2	1:4.15	bottom	0.000	1.050	0.000	0.000	0.000	
1880.00	661	GSM 1900	GPRS	23.0	22.79	-0.17	Body	0 mm	Ant 4	DLXD1006Q8NF	2	1:4.15	right	0.016	1.050	0.017	0.007	0.007	
1880.00	661	GSM 1900	GPRS	23.0	22.79	-0.11	Body	0 mm	Ant 4	DLXD1006Q8NF	2	1:4.15	left	0.348	1.050	0.365	0.130	0.137	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								Body 1.6 W/kg (mW/g) averaged over 1 gram											

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Table 10-4
GPRS 1900 MHz Ant 2A Body SAR

MEASUREMENT RESULTS																				
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	# of Time Slots	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.													(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1850.20	512	GSM 1900	GPRS	21.2	21.11	-0.05	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	back	0.977	1.021	0.998	0.448	0.457	
1880.00	661	GSM 1900	GPRS	21.2	21.00	0.01	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	back	0.998	1.047	1.045	0.453	0.474	
1909.80	810	GSM 1900	GPRS	21.2	20.99	0.04	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	back	0.972	1.050	1.021	0.418	0.439	
1880.00	661	GSM 1900	GPRS	21.2	21.00	-0.06	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	top	0.019	1.047	0.020	0.009	0.009	
1880.00	661	GSM 1900	GPRS	21.2	21.00	-0.07	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	bottom	0.585	1.047	0.612	0.192	0.201	
1850.20	512	GSM 1900	GPRS	21.2	21.11	-0.05	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	right	0.831	1.021	0.848	0.351	0.358	
1880.00	661	GSM 1900	GPRS	21.2	21.00	-0.05	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	right	0.812	1.047	0.850	0.344	0.360	
1909.80	810	GSM 1900	GPRS	21.2	20.99	0.15	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	right	0.805	1.050	0.845	0.316	0.332	
1880.00	661	GSM 1900	GPRS	21.2	21.00	0.21	Body	0 mm	Ant 2A	DLXD1006Q8NF	2	1:4.15	left	0.002	1.047	0.002	0.001	0.001	
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 10-5
GPRS 1900 MHz Ant 1A Body SAR

MEASUREMENT RESULTS																				
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	# of Time Slots	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.													(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1850.20	512	GSM 1900	GPRS	22.0	21.83	-0.12	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	back	0.981	1.040	1.020	0.442	0.460	
1880.00	661	GSM 1900	GPRS	22.0	21.62	0.02	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	back	1.070	1.091	1.167	0.485	0.529	
1909.80	810	GSM 1900	GPRS	22.0	21.75	-0.10	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	back	1.120	1.059	**1.186**	0.503	**0.533**	
1880.00	661	GSM 1900	GPRS	22.0	21.62	0.04	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	top	0.014	1.091	0.015	0.007	0.008	
1880.00	661	GSM 1900	GPRS	22.0	21.62	0.02	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	bottom	0.456	1.091	0.497	0.158	0.172	
1880.00	661	GSM 1900	GPRS	22.0	21.62	0.21	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	right	0.000	1.091	0.000	0.000	0.000	
1850.20	512	GSM 1900	GPRS	22.0	21.83	-0.05	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	left	0.907	1.040	0.943	0.372	0.387	
1880.00	661	GSM 1900	GPRS	22.0	21.62	-0.06	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	left	0.975	1.091	1.064	0.382	0.417	
1909.80	810	GSM 1900	GPRS	22.0	21.75	-0.06	Body	0 mm	Ant 1A	DLXD1006Q8NF	2	1:4.15	left	1.120	1.059	**1.186**	0.457	**0.484**	
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 10-6
GPRS 1900 MHz Ant 3A Body SAR

MEASUREMENT RESULTS																				
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	# of Time Slots	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.													(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1880.00	661	GSM 1900	GPRS	20.4	20.14	-0.10	Body	0 mm	Ant 3A	DLXD100GQ8NF	2	1:4.15	back	0.551	1.062	0.585	0.252	0.268	
1880.00	661	GSM 1900	GPRS	20.4	20.14	-0.01	Body	0 mm	Ant 3A	DLXD100GQ8NF	2	1:4.15	top	0.399	1.062	0.424	0.132	0.140	
1880.00	661	GSM 1900	GPRS	20.4	20.14	-0.01	Body	0 mm	Ant 3A	DLXD100GQ8NF	2	1:4.15	bottom	0.005	1.062	0.005	0.002	0.002	
1850.20	512	GSM 1900	GPRS	20.4	20.11	-0.01	Body	0 mm	Ant 3A	DLXD100GQ8NF	2	1:4.15	right	0.967	1.069	1.034	0.381	0.407	
1880.00	661	GSM 1900	GPRS	20.4	20.14	-0.04	Body	0 mm	Ant 3A	DLXD100GQ8NF	2	1:4.15	right	0.941	1.062	0.999	0.370	0.393	
1909.80	810	GSM 1900	GPRS	20.4	20.34	0.01	Body	0 mm	Ant 3A	DLXD100GQ8NF	2	1:4.15	right	0.952	1.014	0.965	0.371	0.376	
1880.00	661	GSM 1900	GPRS	20.4	20.14	0.21	Body	0 mm	Ant 3A	DLXD100GQ8NF	2	1:4.15	left	0.003	1.062	0.003	0.001	0.001	
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 10-7
UMTS 850 MHz Ant 4 Body SAR

MEASUREMENT RESULTS																			
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
826.40	4132	UMTS 850	RMC	21.1	21.10	-0.01	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	back	0.935	1.000	0.935	0.456	0.456	
836.60	4183	UMTS 850	RMC	21.1	21.10	0.01	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	back	0.865	1.000	0.865	0.422	0.422	
846.60	4233	UMTS 850	RMC	21.1	21.10	0.01	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	back	0.801	1.000	0.801	0.392	0.392	
826.40	4132	UMTS 850	RMC	21.1	21.10	0.03	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	top	0.939	1.000	0.939	0.413	0.413	
836.60	4183	UMTS 850	RMC	21.1	21.10	-0.03	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	top	0.934	1.000	0.934	0.400	0.400	
846.60	4233	UMTS 850	RMC	21.1	21.10	-0.02	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	top	0.916	1.000	0.916	0.398	0.398	
836.60	4183	UMTS 850	RMC	21.1	21.10	0.05	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	bottom	0.030	1.000	0.030	0.014	0.014	
836.60	4183	UMTS 850	RMC	21.1	21.10	0.05	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	right	0.046	1.000	0.046	0.022	0.022	
826.40	4132	UMTS 850	RMC	21.1	21.10	0.04	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	left	1.140	1.000	1.140	0.440	0.440	
836.60	4183	UMTS 850	RMC	21.1	21.10	-0.04	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	left	1.060	1.000	1.060	0.431	0.431	
846.60	4233	UMTS 850	RMC	21.1	21.10	0.08	Body	0 mm	Ant 4	DLXD100SQ8N7	1:1	left	1.070	1.000	1.070	0.443	0.443	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								Body 1.6 W/kg (mW/g) averaged over 1 gram											

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Table 10-8
UMTS 850 MHz Ant 3B Body SAR

MEASUREMENT RESULTS																			
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
826.40	4132	UMTS 850	RMC	18.1	18.03	0.01	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	back	1.050	1.016	1.067	0.542	0.551	
836.60	4183	UMTS 850	RMC	18.1	17.93	-0.01	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	back	1.080	1.040	1.123	0.561	0.583	
846.60	4233	UMTS 850	RMC	18.1	18.07	-0.03	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	back	1.180	1.007	**1.188**	0.575	**0.579**	A3
826.40	4132	UMTS 850	RMC	18.1	18.03	-0.06	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	top	0.899	1.016	0.913	0.392	0.398	
836.60	4183	UMTS 850	RMC	18.1	17.93	-0.06	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	top	0.921	1.040	0.958	0.401	0.417	
846.60	4233	UMTS 850	RMC	18.1	18.07	-0.03	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	top	0.905	1.007	0.911	0.387	0.390	
836.60	4183	UMTS 850	RMC	18.1	17.93	0.15	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	bottom	0.011	1.040	0.011	0.006	0.006	
836.60	4183	UMTS 850	RMC	18.1	17.93	0.06	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	right	0.114	1.040	0.119	0.055	0.057	
836.60	4183	UMTS 850	RMC	18.1	17.93	-0.20	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	left	0.022	1.040	0.023	0.011	0.011	
846.60	4233	UMTS 850	RMC	18.1	18.07	-0.03	Body	0 mm	Ant 3B	DLXD1011Q8N7	1:1	back	1.120	1.007	1.128	0.576	0.580	
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 10-9
UMTS 1750 MHz Ant 4 Body SAR

MEASUREMENT RESULTS																			
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1712.40	1312	UMTS 1750	RMC	15.5	15.46	-0.06	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	back	1.040	1.009	1.049	0.426	0.430	
1732.40	1412	UMTS 1750	RMC	15.5	15.30	-0.10	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	back	1.010	1.047	1.057	0.407	0.426	
1752.60	1513	UMTS 1750	RMC	15.5	15.47	-0.07	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	back	1.180	1.007	**1.188**	0.467	**0.470**	A4
1732.40	1412	UMTS 1750	RMC	15.5	15.30	-0.04	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	top	0.666	1.047	0.697	0.277	0.290	
1732.40	1412	UMTS 1750	RMC	15.5	15.30	0.03	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	bottom	0.000	1.047	0.000	0.000	0.000	
1732.40	1412	UMTS 1750	RMC	15.5	15.30	-0.14	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	right	0.028	1.047	0.029	0.013	0.014	
1732.40	1412	UMTS 1750	RMC	15.5	15.30	-0.04	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	left	0.405	1.047	0.424	0.165	0.173	
1752.60	1513	UMTS 1750	RMC	15.5	15.47	-0.07	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	back	1.080	1.007	1.088	0.431	0.434	
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 10-10
UMTS 1750 MHz Ant 2A Body SAR

MEASUREMENT RESULTS																			
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1712.40	1312	UMTS 1750	RMC	14.9	14.64	-0.03	Body	0 mm	Ant 2A	DLXD100SQ8N7	1:1	back	1.050	1.062	1.115	0.469	0.498	
1732.40	1412	UMTS 1750	RMC	14.9	14.75	-0.16	Body	0 mm	Ant 2A	DLXD100SQ8N7	1:1	back	0.988	1.035	1.023	0.457	0.473	
1752.60	1513	UMTS 1750	RMC	14.9	14.40	-0.06	Body	0 mm	Ant 2A	DLXD100SQ8N7	1:1	back	0.920	1.122	1.032	0.430	0.482	
1732.40	1412	UMTS 1750	RMC	14.9	14.75	0.20	Body	0 mm	Ant 2A	DLXD100SQ8N7	1:1	top	0.029	1.035	0.030	0.015	0.016	
1732.40	1412	UMTS 1750	RMC	14.9	14.75	0.04	Body	0 mm	Ant 2A	DLXD100SQ8N7	1:1	bottom	0.428	1.035	0.443	0.142	0.147	
1732.40	1412	UMTS 1750	RMC	14.9	14.75	0.05	Body	0 mm	Ant 2A	DLXD100SQ8N7	1:1	right	0.652	1.035	0.675	0.262	0.271	
1732.40	1412	UMTS 1750	RMC	14.9	14.75	0.20	Body	0 mm	Ant 2A	DLXD100SQ8N7	1:1	left	0.001	1.035	0.001	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					

Table 10-11
UMTS 1750 MHz Ant 1A Body SAR

MEASUREMENT RESULTS																			
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1712.40	1312	UMTS 1750	RMC	15.1	14.56	0.02	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	back	0.929	1.132	1.052	0.457	0.517	
1732.40	1412	UMTS 1750	RMC	15.1	14.59	0.07	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	back	0.931	1.125	1.047	0.460	0.518	
1752.60	1513	UMTS 1750	RMC	15.1	14.37	0.20	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	back	0.842	1.183	0.996	0.414	0.490	
1732.40	1412	UMTS 1750	RMC	15.1	14.59	0.18	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	top	0.017	1.125	0.019	0.008	0.009	
1732.40	1412	UMTS 1750	RMC	15.1	14.59	0.00	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	bottom	0.343	1.125	0.386	0.120	0.135	
1732.40	1412	UMTS 1750	RMC	15.1	14.59	0.17	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	right	0.002	1.125	0.002	0.000	0.000	
1712.40	1312	UMTS 1750	RMC	15.1	14.56	0.01	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	left	0.921	1.132	1.043	0.367	0.415	
1732.40	1412	UMTS 1750	RMC	15.1	14.59	-0.03	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	left	0.932	1.125	1.049	0.371	0.417	
1752.60	1513	UMTS 1750	RMC	15.1	14.37	-0.03	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	left	0.851	1.183	1.007	0.338	0.400	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population													Body 1.6 W/kg (mW/g) averaged over 1 gram					

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Table 10-12
UMTS 1750 MHz Ant 3A Body SAR

MEASUREMENT RESULTS																		
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1732.40	1412	UMTS 1750	RMC	14.0	14.00	-0.02	Body	0 mm	Ant 3A	DLXD1006Q8NF	1:1	back	0.463	1.000	0.463	0.224	0.224	
1732.40	1412	UMTS 1750	RMC	14.0	14.00	0.03	Body	0 mm	Ant 3A	DLXD1006Q8NF	1:1	top	0.332	1.000	0.332	0.111	0.111	
1732.40	1412	UMTS 1750	RMC	14.0	14.00	0.06	Body	0 mm	Ant 3A	DLXD1006Q8NF	1:1	bottom	0.013	1.000	0.013	0.006	0.006	
1712.40	1312	UMTS 1750	RMC	14.0	13.83	0.00	Body	0 mm	Ant 3A	DLXD1006Q8NF	1:1	right	1.060	1.040	1.102	0.430	0.447	
1732.40	1412	UMTS 1750	RMC	14.0	14.00	0.01	Body	0 mm	Ant 3A	DLXD1006Q8NF	1:1	right	1.060	1.000	1.060	0.429	0.429	
1752.60	1513	UMTS 1750	RMC	14.0	13.56	0.00	Body	0 mm	Ant 3A	DLXD1006Q8NF	1:1	right	1.040	1.107	1.151	0.417	0.462	
1732.40	1412	UMTS 1750	RMC	14.0	14.00	0.12	Body	0 mm	Ant 3A	DLXD1006Q8NF	1:1	left	0.002	1.000	0.002	0.001	0.001	
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 10-13
UMTS 1900 MHz Ant 4 Body SAR

MEASUREMENT RESULTS																		
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1852.40	9262	UMTS 1900	RMC	16.3	16.23	-0.01	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	back	1.160	1.016	1.179	0.445	0.452	A5
1880.00	9400	UMTS 1900	RMC	16.3	16.30	0.00	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	back	1.050	1.000	1.050	0.411	0.411	
1907.60	9538	UMTS 1900	RMC	16.3	16.29	0.00	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	back	1.020	1.002	1.022	0.402	0.403	
1880.00	9400	UMTS 1900	RMC	16.3	16.30	-0.02	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	top	0.640	1.000	0.640	0.252	0.252	
1880.00	9400	UMTS 1900	RMC	16.3	16.30	0.21	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	bottom	0.001	1.000	0.001	0.000	0.000	
1880.00	9400	UMTS 1900	RMC	16.3	16.30	0.20	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	right	0.011	1.000	0.011	0.005	0.005	
1880.00	9400	UMTS 1900	RMC	16.3	16.30	0.00	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	left	0.341	1.000	0.341	0.128	0.128	
1852.40	9262	UMTS 1900	RMC	16.3	16.23	-0.01	Body	0 mm	Ant 4	DLXD100VQ8N7	1:1	back	1.070	1.016	1.087	0.422	0.429	
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 10-14
UMTS 1900 MHz Ant 2A Body SAR

MEASUREMENT RESULTS																		
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1852.40	9262	UMTS 1900	RMC	14.8	14.69	0.00	Body	0 mm	Ant 2A	DLXD100GQ8NF	1:1	back	1.120	1.026	1.149	0.496	0.509	
1880.00	9400	UMTS 1900	RMC	14.8	14.52	-0.01	Body	0 mm	Ant 2A	DLXD100GQ8NF	1:1	back	1.100	1.067	1.174	0.485	0.517	
1907.60	9538	UMTS 1900	RMC	14.8	14.70	0.00	Body	0 mm	Ant 2A	DLXD100GQ8NF	1:1	back	1.150	1.023	1.176	0.500	0.512	
1880.00	9400	UMTS 1900	RMC	14.8	14.52	0.12	Body	0 mm	Ant 2A	DLXD100GQ8NF	1:1	top	0.019	1.067	0.020	0.001	0.001	
1880.00	9400	UMTS 1900	RMC	14.8	14.52	-0.01	Body	0 mm	Ant 2A	DLXD100GQ8NF	1:1	bottom	0.548	1.067	0.585	0.187	0.200	
1880.00	9400	UMTS 1900	RMC	14.8	14.52	-0.03	Body	0 mm	Ant 2A	DLXD100GQ8NF	1:1	right	0.651	1.067	0.695	0.272	0.290	
1880.00	9400	UMTS 1900	RMC	14.8	14.52	-0.15	Body	0 mm	Ant 2A	DLXD100GQ8NF	1:1	left	0.004	1.067	0.004	0.002	0.002	
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 10-15
UMTS 1900 MHz Ant 1A Body SAR

MEASUREMENT RESULTS																		
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1852.40	9262	UMTS 1900	RMC	14.8	14.66	0.00	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	back	0.871	1.033	0.900	0.430	0.444	
1880.00	9400	UMTS 1900	RMC	14.8	14.58	-0.02	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	back	0.920	1.052	0.968	0.445	0.468	
1907.60	9538	UMTS 1900	RMC	14.8	14.80	-0.01	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	back	1.030	1.000	1.030	0.491	0.491	
1880.00	9400	UMTS 1900	RMC	14.8	14.58	0.16	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	top	0.018	1.052	0.019	0.008	0.008	
1880.00	9400	UMTS 1900	RMC	14.8	14.58	-0.01	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	bottom	0.354	1.052	0.372	0.127	0.134	
1880.00	9400	UMTS 1900	RMC	14.8	14.58	0.20	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	right	0.000	1.052	0.000	0.000	0.000	
1852.40	9262	UMTS 1900	RMC	14.8	14.66	0.03	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	left	0.770	1.033	0.795	0.300	0.310	
1880.00	9400	UMTS 1900	RMC	14.8	14.58	0.02	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	left	0.891	1.052	0.937	0.347	0.365	
1907.60	9538	UMTS 1900	RMC	14.8	14.80	0.00	Body	0 mm	Ant 1A	DLXD1006Q8NF	1:1	left	1.010	1.000	1.010	0.394	0.394	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population								Body 1.6 W/kg (mW/g) averaged over 1 gram										

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Table 10-16
UMTS 1900 MHz Ant 3A Body SAR

MEASUREMENT RESULTS																			
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Position	Spacing	Antenna Config.	Device Serial Number	Duty Cycle	Side	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.												(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1880.00	9400	UMTS 1900	RMC	14.2	14.03	-0.03	Body	0 mm	Ant 3A	DLXD100GQ8NF	1:1	back	0.489	1.040	0.509	0.236	0.245	
1880.00	9400	UMTS 1900	RMC	14.2	14.03	-0.03	Body	0 mm	Ant 3A	DLXD100GQ8NF	1:1	top	0.301	1.040	0.313	0.108	0.112	
1880.00	9400	UMTS 1900	RMC	14.2	14.03	-0.20	Body	0 mm	Ant 3A	DLXD100GQ8NF	1:1	bottom	0.005	1.040	0.005	0.002	0.002	
1852.40	9262	UMTS 1900	RMC	14.2	14.15	0.03	Body	0 mm	Ant 3A	DLXD100GQ8NF	1:1	right	0.901	1.012	0.912	0.363	0.367	
1880.00	9400	UMTS 1900	RMC	14.2	14.03	0.03	Body	0 mm	Ant 3A	DLXD100GQ8NF	1:1	right	0.900	1.040	0.936	0.361	0.375	
1907.60	9538	UMTS 1900	RMC	14.2	14.12	0.03	Body	0 mm	Ant 3A	DLXD100GQ8NF	1:1	right	0.933	1.019	0.951	0.372	0.379	
1880.00	9400	UMTS 1900	RMC	14.2	14.03	0.10	Body	0 mm	Ant 3A	DLXD100GQ8NF	1:1	left	0.006	1.040	0.006	0.002	0.002	
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 10-17
LTE Band 12 Ant 4 Body SAR

MEASUREMENT RESULTS																								
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
707.50	23095	Mid	LTE Band 12	10	20.9	20.90	-0.14	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	back	1:1	1.090	1.000	1.090	0.487	0.487	A6
707.50	23095	Mid	LTE Band 12	10	20.9	20.71	-0.15	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	back	1:1	1.000	1.045	1.045	0.472	0.493	
707.50	23095	Mid	LTE Band 12	10	20.9	20.68	-0.14	0	Ant 4	DLXD1011Q8N7	QPSK	50	0	0 mm	back	1:1	1.020	1.052	1.073	0.481	0.506	
707.50	23095	Mid	LTE Band 12	10	20.9	20.90	0.02	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	top	1:1	0.739	1.000	0.739	0.294	0.294	
707.50	23095	Mid	LTE Band 12	10	20.9	20.71	-0.01	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	top	1:1	0.710	1.045	0.742	0.299	0.312	
707.50	23095	Mid	LTE Band 12	10	20.9	20.90	0.20	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	bottom	1:1	0.028	1.000	0.028	0.012	0.012	
707.50	23095	Mid	LTE Band 12	10	20.9	20.71	0.20	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	bottom	1:1	0.030	1.045	0.031	0.013	0.014	
707.50	23095	Mid	LTE Band 12	10	20.9	20.90	0.19	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	right	1:1	0.030	1.000	0.030	0.013	0.013	
707.50	23095	Mid	LTE Band 12	10	20.9	20.71	0.21	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	right	1:1	0.032	1.045	0.033	0.014	0.015	
707.50	23095	Mid	LTE Band 12	10	20.9	20.90	0.01	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	left	1:1	0.730	1.000	0.730	0.276	0.276	
707.50	23095	Mid	LTE Band 12	10	20.9	20.71	0.01	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	left	1:1	0.724	1.045	0.757	0.274	0.286	
707.50	23095	Mid	LTE Band 12	10	17.9	17.67	0.02	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	back	1:1	0.445	1.054	0.469	0.194	0.204	
707.50	23095	Mid	LTE Band 12	10	17.9	17.26	-0.03	0	Ant 4	DLXD1011Q8N7	QPSK	25	0	0 mm	back	1:1	0.419	1.159	0.486	0.184	0.213	
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 10-18
LTE Band 12 Ant 3B Body SAR

MEASUREMENT RESULTS																								
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
707.50	23095	Mid	LTE Band 12	10	18.9	18.34	0.01	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	back	1:1	0.697	1.138	0.793	0.359	0.409	
707.50	23095	Mid	LTE Band 12	10	18.9	18.24	0.00	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	back	1:1	0.684	1.164	0.796	0.351	0.409	
707.50	23095	Mid	LTE Band 12	10	18.9	18.34	-0.01	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	top	1:1	0.908	1.138	1.033	0.417	0.475	
707.50	23095	Mid	LTE Band 12	10	18.9	18.24	-0.01	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	top	1:1	0.896	1.164	1.043	0.408	0.475	
707.50	23095	Mid	LTE Band 12	10	18.9	18.13	-0.01	0	Ant 3B	DLXD1011Q8N7	QPSK	50	0	0 mm	top	1:1	0.889	1.194	1.061	0.402	0.480	
707.50	23095	Mid	LTE Band 12	10	18.9	18.34	0.14	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	bottom	1:1	0.006	1.138	0.007	0.002	0.002	
707.50	23095	Mid	LTE Band 12	10	18.9	18.24	0.19	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	bottom	1:1	0.006	1.164	0.007	0.002	0.002	
707.50	23095	Mid	LTE Band 12	10	18.9	18.34	0.20	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	right	1:1	0.093	1.138	0.106	0.042	0.048	
707.50	23095	Mid	LTE Band 12	10	18.9	18.24	0.03	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	right	1:1	0.091	1.164	0.106	0.041	0.048	
707.50	23095	Mid	LTE Band 12	10	18.9	18.34	0.20	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	left	1:1	0.012	1.138	0.014	0.004	0.005	
707.50	23095	Mid	LTE Band 12	10	18.9	18.24	0.20	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	left	1:1	0.011	1.164	0.013	0.004	0.005	
707.50	23095	Mid	LTE Band 12	10	15.9	15.83	-0.16	0	Ant 3B	DLXD1011Q8N7	QPSK	1	0	0 mm	back	1:1	0.466	1.016	0.473	0.222	0.226	
707.50	23095	Mid	LTE Band 12	10	15.9	15.88	-0.18	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	back	1:1	0.477	1.005	0.479	0.228	0.229	
707.50	23095	Mid	LTE Band 12	10	15.9	15.83	-0.04	0	Ant 3B	DLXD1011Q8N7	QPSK	1	0	0 mm	top	1:1	0.553	1.016	0.562	0.255	0.259	
707.50	23095	Mid	LTE Band 12	10	15.9	15.88	-0.02	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	top	1:1	0.513	1.005	0.516	0.236	0.237	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Body 1.6 W/kg (mW/g) averaged over 1 gram														

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Table 10-19
LTE Band 13 Ant 4 Body SAR

MEASUREMENT RESULTS																										
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Scaling Factor	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																						
782.00	23230	Mid	LTE Band 13	10	21.1	20.99	-0.12	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	back	1:1	1.120	1.026	1.149	0.522	0.536	A7
782.00	23230	Mid	LTE Band 13	10	21.1	20.91	-0.12	0	Ant 4	DLXD100VQ8N7	QPSK	25	12	0 mm	back	1:1	0.926	1.045	0.968	0.465	0.486	
782.00	23230	Mid	LTE Band 13	10	21.1	20.89	-0.12	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	back	1:1	0.930	1.050	0.977	0.467	0.490	
782.00	23230	Mid	LTE Band 13	10	21.1	20.99	0.00	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	top	1:1	0.858	1.026	0.880	0.386	0.396	
782.00	23230	Mid	LTE Band 13	10	21.1	20.91	0.02	0	Ant 4	DLXD100VQ8N7	QPSK	25	12	0 mm	top	1:1	0.811	1.045	0.847	0.359	0.375	
782.00	23230	Mid	LTE Band 13	10	21.1	20.89	0.01	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	top	1:1	0.808	1.050	0.848	0.357	0.375	
782.00	23230	Mid	LTE Band 13	10	21.1	20.99	0.12	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	bottom	1:1	0.028	1.026	0.029	0.013	0.013	
782.00	23230	Mid	LTE Band 13	10	21.1	20.91	0.01	0	Ant 4	DLXD100VQ8N7	QPSK	25	12	0 mm	bottom	1:1	0.023	1.045	0.024	0.010	0.010	
782.00	23230	Mid	LTE Band 13	10	21.1	20.99	0.20	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	right	1:1	0.039	1.026	0.040	0.018	0.018	
782.00	23230	Mid	LTE Band 13	10	21.1	20.91	0.10	0	Ant 4	DLXD100VQ8N7	QPSK	25	12	0 mm	right	1:1	0.039	1.045	0.041	0.019	0.020	
782.00	23230	Mid	LTE Band 13	10	21.1	20.99	-0.06	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	left	1:1	0.758	1.026	0.778	0.314	0.322	
782.00	23230	Mid	LTE Band 13	10	21.1	20.91	0.02	0	Ant 4	DLXD100VQ8N7	QPSK	25	12	0 mm	left	1:1	0.780	1.045	0.815	0.319	0.333	
782.00	23230	Mid	LTE Band 13	10	21.1	20.89	-0.02	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	left	1:1	0.776	1.050	0.815	0.316	0.332	
782.00	23230	Mid	LTE Band 13	10	18.1	17.83	0.03	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	back	1:1	0.559	1.064	0.595	0.256	0.272	
782.00	23230	Mid	LTE Band 13	10	18.1	17.82	-0.06	0	Ant 4	DLXD100VQ8N7	QPSK	25	12	0 mm	back	1:1	0.498	1.067	0.531	0.227	0.242	
782.00	23230	Mid	LTE Band 13	10	18.1	17.83	-0.05	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	top	1:1	0.401	1.064	0.427	0.187	0.199	
782.00	23230	Mid	LTE Band 13	10	18.1	17.82	0.04	0	Ant 4	DLXD100VQ8N7	QPSK	25	12	0 mm	top	1:1	0.367	1.067	0.392	0.167	0.178	
782.00	23230	Mid	LTE Band 13	10	18.1	17.83	-0.05	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	left	1:1	0.372	1.064	0.396	0.148	0.157	
782.00	23230	Mid	LTE Band 13	10	18.1	17.82	0.03	0	Ant 4	DLXD100VQ8N7	QPSK	25	12	0 mm	left	1:1	0.363	1.067	0.387	0.145	0.155	
782.00	23230	Mid	LTE Band 13	10	21.1	20.99	-0.12	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	back	1:1	1.010	1.026	1.036	0.510	0.523	
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 10-20
LTE Band 13 Ant 3B Body SAR

MEASUREMENT RESULTS																										
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Scaling Factor	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																						
782.00	23230	Mid	LTE Band 13	10	19.2	19.13	0.06	0	Ant 3B	DLXD101Q8N7	QPSK	1	25	0 mm	back	1:1	1.030	1.016	1.046	0.507	0.515	
782.00	23230	Mid	LTE Band 13	10	19.2	19.14	0.00	0	Ant 3B	DLXD101Q8N7	QPSK	25	12	0 mm	back	1:1	1.040	1.014	1.055	0.527	0.534	
782.00	23230	Mid	LTE Band 13	10	19.2	19.10	0.01	0	Ant 3B	DLXD101Q8N7	QPSK	50	0	0 mm	back	1:1	1.030	1.023	1.054	0.506	0.518	
782.00	23230	Mid	LTE Band 13	10	19.2	19.13	0.02	0	Ant 3B	DLXD101Q8N7	QPSK	1	25	0 mm	top	1:1	0.918	1.016	0.933	0.428	0.435	
782.00	23230	Mid	LTE Band 13	10	19.2	19.14	-0.01	0	Ant 3B	DLXD101Q8N7	QPSK	25	12	0 mm	top	1:1	0.903	1.014	0.916	0.421	0.427	
782.00	23230	Mid	LTE Band 13	10	19.2	19.10	-0.10	0	Ant 3B	DLXD101Q8N7	QPSK	50	0	0 mm	top	1:1	0.884	1.023	0.904	0.393	0.402	
782.00	23230	Mid	LTE Band 13	10	19.2	19.13	0.20	0	Ant 3B	DLXD101Q8N7	QPSK	1	25	0 mm	bottom	1:1	0.008	1.016	0.008	0.003	0.003	
782.00	23230	Mid	LTE Band 13	10	19.2	19.14	0.19	0	Ant 3B	DLXD101Q8N7	QPSK	25	12	0 mm	bottom	1:1	0.005	1.014	0.005	0.002	0.002	
782.00	23230	Mid	LTE Band 13	10	19.2	19.13	0.18	0	Ant 3B	DLXD101Q8N7	QPSK	1	25	0 mm	right	1:1	0.138	1.016	0.140	0.065	0.066	
782.00	23230	Mid	LTE Band 13	10	19.2	19.14	0.02	0	Ant 3B	DLXD101Q8N7	QPSK	25	12	0 mm	right	1:1	0.128	1.014	0.130	0.061	0.062	
782.00	23230	Mid	LTE Band 13	10	19.2	19.13	0.21	0	Ant 3B	DLXD101Q8N7	QPSK	1	25	0 mm	left	1:1	0.018	1.016	0.018	0.008	0.008	
782.00	23230	Mid	LTE Band 13	10	19.2	19.14	-0.05	0	Ant 3B	DLXD101Q8N7	QPSK	25	12	0 mm	left	1:1	0.017	1.014	0.017	0.008	0.008	
782.00	23230	Mid	LTE Band 13	10	16.2	16.01	0.04	0	Ant 3B	DLXD101Q8N7	QPSK	1	0	0 mm	back	1:1	0.563	1.045	0.588	0.283	0.296	
782.00	23230	Mid	LTE Band 13	10	16.2	16.05	0.02	0	Ant 3B	DLXD101Q8N7	QPSK	25	12	0 mm	back	1:1	0.566	1.035	0.586	0.283	0.293	
782.00	23230	Mid	LTE Band 13	10	16.2	16.01	-0.03	0	Ant 3B	DLXD101Q8N7	QPSK	1	0	0 mm	top	1:1	0.488	1.045	0.510	0.235	0.246	
782.00	23230	Mid	LTE Band 13	10	16.2	16.05	0.04	0	Ant 3B	DLXD101Q8N7	QPSK	25	12	0 mm	top	1:1	0.483	1.035	0.500	0.233	0.241	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram					

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Table 10-21
LTE Band 26 (Cell) Ant 4 Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.		LTE Band 41					#N/A									(W/kg)		(W/kg)	(W/kg)	(W/kg)	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.98	-0.02	0	Ant 4	DLXD1011Q8N7	QPSK	1	49	0 mm	back	1:1	1.030	1.028	1.059	0.470	0.483	
831.50	26865	Mid	LTE Band 26 (Cell)	10	21.1	20.89	-0.03	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	back	1:1	0.988	1.050	1.037	0.407	0.427	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.91	-0.04	0	Ant 4	DLXD1011Q8N7	QPSK	1	25	0 mm	back	1:1	0.920	1.045	0.961	0.367	0.384	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.97	0.02	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	back	1:1	1.070	1.030	1.102	0.494	0.509	
831.50	26865	Mid	LTE Band 26 (Cell)	10	21.1	20.91	-0.02	0	Ant 4	DLXD1011Q8N7	QPSK	25	0	0 mm	back	1:1	0.964	1.045	1.007	0.415	0.434	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.96	0.02	0	Ant 4	DLXD1011Q8N7	QPSK	25	0	0 mm	back	1:1	0.872	1.033	0.901	0.382	0.395	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.92	0.01	0	Ant 4	DLXD1011Q8N7	QPSK	50	0	0 mm	back	1:1	0.845	1.042	0.880	0.387	0.403	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.98	-0.03	0	Ant 4	DLXD1011Q8N7	QPSK	1	49	0 mm	top	1:1	0.907	1.028	0.932	0.400	0.411	
831.50	26865	Mid	LTE Band 26 (Cell)	10	21.1	20.89	-0.03	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	top	1:1	0.869	1.050	0.912	0.382	0.401	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.91	-0.02	0	Ant 4	DLXD1011Q8N7	QPSK	1	25	0 mm	top	1:1	0.881	1.045	0.921	0.384	0.401	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.97	0.01	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	top	1:1	0.854	1.030	0.880	0.373	0.384	
831.50	26865	Mid	LTE Band 26 (Cell)	10	21.1	20.91	0.00	0	Ant 4	DLXD1011Q8N7	QPSK	25	0	0 mm	top	1:1	0.880	1.045	0.920	0.384	0.401	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.96	0.03	0	Ant 4	DLXD1011Q8N7	QPSK	25	0	0 mm	top	1:1	0.917	1.033	0.947	0.400	0.413	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.92	0.01	0	Ant 4	DLXD1011Q8N7	QPSK	50	0	0 mm	top	1:1	0.930	1.042	0.969	0.404	0.421	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.98	-0.15	0	Ant 4	DLXD1011Q8N7	QPSK	1	49	0 mm	bottom	1:1	0.025	1.028	0.026	0.011	0.011	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.97	-0.20	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	bottom	1:1	0.028	1.030	0.029	0.013	0.013	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.98	-0.11	0	Ant 4	DLXD1011Q8N7	QPSK	1	49	0 mm	right	1:1	0.039	1.028	0.040	0.019	0.020	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.97	0.19	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	right	1:1	0.036	1.030	0.037	0.017	0.018	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.98	-0.06	0	Ant 4	DLXD1011Q8N7	QPSK	1	49	0 mm	left	1:1	0.647	1.028	0.665	0.305	0.314	
831.50	26865	Mid	LTE Band 26 (Cell)	10	21.1	20.89	-0.06	0	Ant 4	DLXD1011Q8N7	QPSK	1	0	0 mm	left	1:1	0.842	1.050	0.884	0.346	0.363	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.91	-0.03	0	Ant 4	DLXD1011Q8N7	QPSK	1	25	0 mm	left	1:1	0.882	1.045	0.922	0.372	0.389	
819.00	26740	Low	LTE Band 26 (Cell)	10	21.1	20.97	-0.03	0	Ant 4	DLXD1011Q8N7	QPSK	25	25	0 mm	left	1:1	0.638	1.030	0.657	0.296	0.305	
831.50	26865	Mid	LTE Band 26 (Cell)	10	21.1	20.91	-0.06	0	Ant 4	DLXD1011Q8N7	QPSK	25	0	0 mm	left	1:1	0.847	1.045	0.885	0.349	0.365	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.96	-0.02	0	Ant 4	DLXD1011Q8N7	QPSK	25	0	0 mm	left	1:1	0.886	1.033	0.915	0.372	0.384	
844.00	26990	High	LTE Band 26 (Cell)	10	21.1	20.92	-0.01	0	Ant 4	DLXD1011Q8N7	QPSK	50	0	0 mm	left	1:1	0.895	1.042	0.933	0.377	0.393	
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 10-22
LTE Band 26 (Cell) Ant 3B Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
819.00	26740	Low	LTE Band 26 (Cell)	10	17.9	17.85	0.10	0	Ant 3B	DLXD1011Q8N7	QPSK	1	0	0 mm	back	1:1	0.922	1.012	0.933	0.470	0.476	
831.50	26865	Mid	LTE Band 26 (Cell)	10	17.9	17.80	0.11	0	Ant 3B	DLXD1011Q8N7	QPSK	1	0	0 mm	back	1:1	1.120	1.023	1.146	0.554	0.567	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	0.14	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	back	1:1	1.180	1.000	1.180	0.570	0.570	A8
819.00	26740	Low	LTE Band 26 (Cell)	10	17.9	17.82	0.14	0	Ant 3B	DLXD1011Q8N7	QPSK	25	0	0 mm	back	1:1	1.070	1.019	1.090	0.530	0.540	
831.50	26865	Mid	LTE Band 26 (Cell)	10	17.9	17.84	0.13	0	Ant 3B	DLXD1011Q8N7	QPSK	25	0	0 mm	back	1:1	1.130	1.014	1.146	0.559	0.567	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	0.14	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	back	1:1	1.050	1.000	1.050	0.532	0.532	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.87	0.13	0	Ant 3B	DLXD1011Q8N7	QPSK	50	0	0 mm	back	1:1	1.130	1.007	1.138	0.547	0.551	
819.00	26740	Low	LTE Band 26 (Cell)	10	17.9	17.85	-0.05	0	Ant 3B	DLXD1011Q8N7	QPSK	1	0	0 mm	top	1:1	0.819	1.012	0.829	0.382	0.387	
831.50	26865	Mid	LTE Band 26 (Cell)	10	17.9	17.80	-0.02	0	Ant 3B	DLXD1011Q8N7	QPSK	1	0	0 mm	top	1:1	0.872	1.023	0.892	0.395	0.404	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	-0.03	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	top	1:1	0.895	1.000	0.895	0.398	0.398	
819.00	26740	Low	LTE Band 26 (Cell)	10	17.9	17.82	-0.01	0	Ant 3B	DLXD1011Q8N7	QPSK	25	0	0 mm	top	1:1	0.879	1.019	0.896	0.398	0.406	
831.50	26865	Mid	LTE Band 26 (Cell)	10	17.9	17.84	-0.02	0	Ant 3B	DLXD1011Q8N7	QPSK	25	0	0 mm	top	1:1	0.908	1.014	0.921	0.408	0.414	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	-0.07	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	top	1:1	0.837	1.000	0.837	0.378	0.378	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.87	-0.09	0	Ant 3B	DLXD1011Q8N7	QPSK	50	0	0 mm	top	1:1	0.861	1.007	0.867	0.390	0.393	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	-0.06	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	bottom	1:1	0.007	1.000	0.007	0.003	0.003	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	0.16	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	bottom	1:1	0.009	1.000	0.009	0.004	0.004	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	0.05	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	right	1:1	0.112	1.000	0.112	0.051	0.051	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	-0.09	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	right	1:1	0.142	1.000	0.142	0.065	0.065	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	-0.15	0	Ant 3B	DLXD1011Q8N7	QPSK	1	49	0 mm	left	1:1	0.020	1.000	0.020	0.008	0.008	
844.00	26990	High	LTE Band 26 (Cell)	10	17.9	17.90	0.11	0	Ant 3B	DLXD1011Q8N7	QPSK	25	25	0 mm	left	1:1	0.025	1.000	0.025	0.012	0.012	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Body 1.6 W/kg (mW/g) averaged over 1 gram															

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Table 10-23
LTE Band 5 (Cell) Ant 4 Body SAR

MEASUREMENT RESULTS																												
1 CC Uplink) 2CC Uplink, Power Class	Component Carrier	FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
		MHz	Ch.															(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.86	-0.02	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	back	1:1	0.749	1.057	0.792	0.375	0.396	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.82	0.00	0	Ant 4	DLXD100QQ8N7	QPSK	25	25	0 mm	back	1:1	0.751	1.067	0.801	0.377	0.402	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.76	-0.02	0	Ant 4	DLXD100QQ8N7	QPSK	50	0	0 mm	back	1:1	0.769	1.081	0.831	0.384	0.415	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.86	0.00	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	top	1:1	0.921	1.057	0.973	0.417	0.441	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.82	-0.03	0	Ant 4	DLXD100QQ8N7	QPSK	25	25	0 mm	top	1:1	0.905	1.067	0.966	0.408	0.435	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.76	-0.01	0	Ant 4	DLXD100QQ8N7	QPSK	50	0	0 mm	top	1:1	0.896	1.081	0.969	0.405	0.438	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.86	0.20	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	bottom	1:1	0.024	1.057	0.025	0.012	0.013	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.82	0.01	0	Ant 4	DLXD100QQ8N7	QPSK	25	25	0 mm	bottom	1:1	0.019	1.067	0.020	0.009	0.010	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.86	-0.20	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	right	1:1	0.055	1.057	0.058	0.026	0.027	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.82	-0.02	0	Ant 4	DLXD100QQ8N7	QPSK	25	25	0 mm	right	1:1	0.049	1.067	0.052	0.024	0.026	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.86	-0.02	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	left	1:1	0.957	1.057	1.012	0.392	0.414	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.82	-0.06	0	Ant 4	DLXD100QQ8N7	QPSK	25	25	0 mm	left	1:1	0.918	1.067	0.980	0.390	0.416	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.76	-0.03	0	Ant 4	DLXD100QQ8N7	QPSK	50	0	0 mm	left	1:1	0.895	1.081	0.967	0.382	0.413	
2 CC Uplink	PCC	836.50	20525	Mid	LTE Band 5 (Cell)	10	21.1	20.90	-0.02	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	left	1:1	1.000	1.047	1.047	0.389	0.407	
2 CC Uplink	SCC	843.70	20597	Mid	LTE Band 5 (Cell)	5								1	0									
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	18.1	18.07	-0.10	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	back	1:1	0.345	1.007	0.347	0.185	0.186	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	18.1	18.04	-0.01	0	Ant 4	DLXD100QQ8N7	QPSK	25	25	0 mm	back	1:1	0.351	1.014	0.356	0.188	0.191	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	18.1	18.07	0.01	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	top	1:1	0.471	1.007	0.474	0.210	0.211	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	18.1	18.04	0.05	0	Ant 4	DLXD100QQ8N7	QPSK	25	25	0 mm	top	1:1	0.462	1.014	0.468	0.207	0.210	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	18.1	18.07	-0.04	0	Ant 4	DLXD100QQ8N7	QPSK	1	49	0 mm	left	1:1	0.435	1.007	0.438	0.193	0.194	
1 CC Uplink	N/A	836.50	20525	Mid	LTE Band 5 (Cell)	10	18.1	18.04	-0.05	0	Ant 4	DLXD100QQ8N7	QPSK	25	25	0 mm	left	1:1	0.437	1.014	0.443	0.191	0.194	
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 10-24
LTE Band 5 (Cell) Ant 3B Body SAR

MEASUREMENT RESULTS																							
FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.															(W/kg)		(W/kg)	(W/kg)	(W/kg)	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.88	0.00	0	Ant 3B	DLXD101UQ8N7	QPSK	1	0	0 mm	back	1:1	1.100	1.005	1.106	0.533	0.536	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.82	-0.03	0	Ant 3B	DLXD101UQ8N7	QPSK	25	25	0 mm	back	1:1	1.110	1.019	1.131	0.538	0.548	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.81	-0.03	0	Ant 3B	DLXD101UQ8N7	QPSK	50	0	0 mm	back	1:1	1.140	1.021	1.164	0.547	0.558	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.87	0.08	0	Ant 3B	DLXD101UQ8N7	QPSK	50	0	0 mm	back	1:1	1.180	1.007	1.188	0.571	0.575	A9
829.30	20453	Mid	LTE Band 5 (Cell)	5								25	0									
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.88	-0.03	0	Ant 3B	DLXD101UQ8N7	QPSK	1	0	0 mm	top	1:1	0.919	1.005	0.924	0.408	0.410	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.82	-0.10	0	Ant 3B	DLXD101UQ8N7	QPSK	25	25	0 mm	top	1:1	0.924	1.019	0.942	0.403	0.411	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.81	-0.07	0	Ant 3B	DLXD101UQ8N7	QPSK	50	0	0 mm	top	1:1	0.917	1.021	0.936	0.400	0.408	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.88	-0.09	0	Ant 3B	DLXD101UQ8N7	QPSK	1	0	0 mm	bottom	1:1	0.003	1.005	0.003	0.001	0.001	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.82	-0.13	0	Ant 3B	DLXD101UQ8N7	QPSK	25	25	0 mm	bottom	1:1	0.006	1.019	0.006	0.003	0.003	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.88	0.10	0	Ant 3B	DLXD101UQ8N7	QPSK	1	0	0 mm	right	1:1	0.112	1.005	0.113	0.053	0.053	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.82	-0.02	0	Ant 3B	DLXD101UQ8N7	QPSK	25	25	0 mm	right	1:1	0.121	1.019	0.123	0.057	0.058	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.88	0.01	0	Ant 3B	DLXD101UQ8N7	QPSK	1	0	0 mm	left	1:1	0.019	1.005	0.019	0.007	0.007	
836.50	20525	Mid	LTE Band 5 (Cell)	10	17.9	17.82	0.03	0	Ant 3B	DLXD101UQ8N7	QPSK	25	25	0 mm	left	1:1	0.017	1.019	0.017	0.008	0.008	
836.50	20525	Mid	LTE Band 5 (Cell)	10	14.9	14.79	0.15	0	Ant 3B	DLXD101UQ8N7	QPSK	1	0	0 mm	back	1:1	0.575	1.026	0.590	0.288	0.295	
836.50	20525	Mid	LTE Band 5 (Cell)	10	14.9	14.70	0.17	0	Ant 3B	DLXD101UQ8N7	QPSK	25	0	0 mm	back	1:1	0.558	1.047	0.584	0.280	0.293	
836.50	20525	Mid	LTE Band 5 (Cell)	10	14.9	14.79	-0.01	0	Ant 3B	DLXD101UQ8N7	QPSK	1	0	0 mm	top	1:1	0.445	1.026	0.457	0.212	0.218	
836.50	20525	Mid	LTE Band 5 (Cell)	10	14.9	14.70	-0.03	0	Ant 3B	DLXD101UQ8N7	QPSK	25	0	0 mm	top	1:1	0.434	1.047	0.454	0.206	0.216	
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 10-25
LTE Band 4 (AWS) Ant 4 Body SAR

MEASUREMENT RESULTS																							
FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.															(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.85	-0.15	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	back	1:1	0.646	1.135	0.733	0.258	0.293	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.58	-0.17	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	back	1:1	0.614	1.208	0.742	0.245	0.296	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.48	-0.18	0	Ant 4	DLXD100VQ8N7	QPSK	100	0	0 mm	back	1:1	0.660	1.236	0.816	0.262	0.324	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.85	-0.04	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	top	1:1	0.426	1.135	0.484	0.180	0.204	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.58	-0.03	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	top	1:1	0.403	1.208	0.487	0.171	0.207	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.48	-0.01	0	Ant 4	DLXD100VQ8N7	QPSK	100	0	0 mm	top	1:1	0.398	1.236	0.492	0.168	0.208	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.85	0.19	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	bottom	1:1	0.001	1.135	0.001	0.000	0.000	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.58	0.21	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	bottom	1:1	0.001	1.208	0.001	0.000	0.000	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.85	0.20	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	right	1:1	0.016	1.135	0.018	0.008	0.009	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.58	0.07	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	right	1:1	0.017	1.208	0.021	0.008	0.010	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.85	-0.05	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	left	1:1	0.464	1.135	0.527	0.178	0.202	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.58	0.00	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	left	1:1	0.448	1.208	0.541	0.171	0.207	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.4	13.48	-0.04	0	Ant 4	DLXD100VQ8N7	QPSK	100	0	0 mm	left	1:1	0.429	1.236	0.530	0.164	0.203	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	11.4	10.86	-0.20	0	Ant 4	DLXD100VQ8N7	QPSK	1	0	0 mm	back	1:1	0.326	1.132	0.369	0.131	0.148	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	11.4	10.40	-0.20	0	Ant 4	DLXD100VQ8N7	QPSK	50	0	0 mm	back	1:1	0.306	1.259	0.385	0.123	0.155	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram											

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Table 10-26
LTE Band 4 (AWS) Ant 2A Body SAR

MEASUREMENT RESULTS																										
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.28	-0.20	0	Ant 2A	DLXD100GQ8NF	QPSK	1	50	0 mm	back	1:1	1.120	1.005	1.126	0.517	0.520	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.30	-0.21	0	Ant 2A	DLXD100GQ8NF	QPSK	50	25	0 mm	back	1:1	1.150	1.000	1.150	0.528	0.528	A10
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.27	-0.20	0	Ant 2A	DLXD100GQ8NF	QPSK	100	0	0 mm	back	1:1	1.140	1.007	1.148	0.524	0.528	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.28	0.12	0	Ant 2A	DLXD100GQ8NF	QPSK	1	50	0 mm	top	1:1	0.027	1.005	0.027	0.013	0.013	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.30	0.01	0	Ant 2A	DLXD100GQ8NF	QPSK	50	25	0 mm	top	1:1	0.026	1.000	0.026	0.012	0.012	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.28	0.05	0	Ant 2A	DLXD100GQ8NF	QPSK	1	50	0 mm	bottom	1:1	0.531	1.005	0.534	0.178	0.179	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.30	0.01	0	Ant 2A	DLXD100GQ8NF	QPSK	50	25	0 mm	bottom	1:1	0.536	1.000	0.536	0.180	0.180	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.28	0.00	0	Ant 2A	DLXD100GQ8NF	QPSK	1	50	0 mm	right	1:1	0.804	1.005	0.808	0.325	0.327	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.30	0.01	0	Ant 2A	DLXD100GQ8NF	QPSK	50	25	0 mm	right	1:1	0.808	1.000	0.808	0.327	0.327	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.27	0.04	0	Ant 2A	DLXD100GQ8NF	QPSK	100	0	0 mm	right	1:1	0.786	1.007	0.792	0.320	0.322	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.28	0.20	0	Ant 2A	DLXD100GQ8NF	QPSK	1	50	0 mm	left	1:1	0.001	1.005	0.001	0.000	0.000	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	15.3	15.30	0.15	0	Ant 2A	DLXD100GQ8NF	QPSK	50	25	0 mm	left	1:1	0.001	1.000	0.001	0.000	0.000	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	12.3	12.15	-0.05	0	Ant 2A	DLXD100GQ8NF	QPSK	1	99	0 mm	back	1:1	0.557	1.035	0.576	0.236	0.244	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	12.3	12.09	-0.06	0	Ant 2A	DLXD100GQ8NF	QPSK	50	50	0 mm	back	1:1	0.612	1.050	0.643	0.260	0.273	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	12.3	12.15	-0.01	0	Ant 2A	DLXD100GQ8NF	QPSK	1	99	0 mm	right	1:1	0.377	1.035	0.390	0.153	0.158	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	12.3	12.09	-0.02	0	Ant 2A	DLXD100GQ8NF	QPSK	50	50	0 mm	right	1:1	0.389	1.050	0.408	0.157	0.165	
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 10-27
LTE Band 4 (AWS) Ant 1A Body SAR

MEASUREMENT RESULTS																										
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.77	-0.06	0	Ant 1A	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	1.060	1.007	1.067	0.509	0.513	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.80	-0.07	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	1.090	1.000	1.090	0.523	0.523	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.76	-0.02	0	Ant 1A	DLXD1006Q8NF	QPSK	100	0	0 mm	back	1:1	1.060	1.009	1.070	0.513	0.518	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.77	-0.20	0	Ant 1A	DLXD1006Q8NF	QPSK	1	0	0 mm	top	1:1	0.016	1.007	0.016	0.006	0.006	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.80	0.20	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	top	1:1	0.016	1.000	0.016	0.007	0.007	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.77	0.01	0	Ant 1A	DLXD1006Q8NF	QPSK	1	0	0 mm	bottom	1:1	0.376	1.007	0.379	0.136	0.137	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.80	0.02	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	bottom	1:1	0.376	1.000	0.376	0.136	0.136	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.77	0.20	0	Ant 1A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.002	1.007	0.002	0.000	0.000	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.80	0.19	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	right	1:1	0.002	1.000	0.002	0.001	0.001	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.77	-0.01	0	Ant 1A	DLXD1006Q8NF	QPSK	1	0	0 mm	left	1:1	1.050	1.007	1.057	0.425	0.428	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.80	0.01	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	left	1:1	1.050	1.000	1.050	0.424	0.424	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.8	14.76	-0.04	0	Ant 1A	DLXD1006Q8NF	QPSK	100	0	0 mm	left	1:1	0.935	1.009	0.943	0.378	0.381	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	11.8	11.62	-0.04	0	Ant 1A	DLXD1006Q8NF	QPSK	1	99	0 mm	back	1:1	0.471	1.042	0.491	0.222	0.231	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	11.8	11.61	0.15	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	0.485	1.045	0.507	0.228	0.238	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	11.8	11.62	-0.08	0	Ant 1A	DLXD1006Q8NF	QPSK	1	99	0 mm	left	1:1	0.415	1.042	0.432	0.167	0.174	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	11.8	11.61	-0.20	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	left	1:1	0.454	1.045	0.474	0.184	0.192	
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 10-28
LTE Band 4 (AWS) Ant 3A Body SAR

MEASUREMENT RESULTS																										
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.88	0.04	0	Ant 3A	DLXD1006Q8NF	QPSK	1	99	0 mm	back	1:1	0.439	1.052	0.462	0.204	0.215	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.90	-0.04	0	Ant 3A	DLXD1006Q8NF	QPSK	50	50	0 mm	back	1:1	0.440	1.047	0.461	0.204	0.214	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.88	-0.03	0	Ant 3A	DLXD1006Q8NF	QPSK	1	99	0 mm	top	1:1	0.329	1.052	0.346	0.111	0.117	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.90	0.03	0	Ant 3A	DLXD1006Q8NF	QPSK	50	50	0 mm	top	1:1	0.329	1.047	0.344	0.111	0.116	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.88	0.20	0	Ant 3A	DLXD1006Q8NF	QPSK	1	99	0 mm	bottom	1:1	0.007	1.052	0.007	0.002	0.002	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.90	0.21	0	Ant 3A	DLXD1006Q8NF	QPSK	50	50	0 mm	bottom	1:1	0.005	1.047	0.005	0.001	0.001	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.88	0.06	0	Ant 3A	DLXD1006Q8NF	QPSK	1	99	0 mm	right	1:1	0.995	1.052	1.047	0.410	0.431	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.90	-0.01	0	Ant 3A	DLXD1006Q8NF	QPSK	50	50	0 mm	right	1:1	0.979	1.047	1.025	0.403	0.422	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.83	-0.02	0	Ant 3A	DLXD1006Q8NF	QPSK	100	0	0 mm	right	1:1	0.970	1.064	1.032	0.401	0.427	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.88	0.20	0	Ant 3A	DLXD1006Q8NF	QPSK	1	99	0 mm	left	1:1	0.001	1.052	0.001	0.000	0.000	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	14.1	13.90	0.18	0	Ant 3A	DLXD1006Q8NF	QPSK	50	50	0 mm	left	1:1	0.001	1.047	0.001	0.000	0.000	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	11.1	10.89	-0.20	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.460	1.050	0.483	0.188	0.197	
1732.50	20175	Mid	LTE Band 4 (AWS)	20	11.1	10.79	-0.07	0	Ant 3A	DLXD1006Q8NF	QPSK	50	50	0 mm	right	1:1	0.484	1.074	0.520	0.195	0.209	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram					

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Table 10-29
LTE Band 66 (AWS) Ant 4 Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.4	13.73	0.20	0	Ant 4	DLXD100SQ8N7	QPSK	1	0	0 mm	back	1:1	0.670	1.167	0.782	0.277	0.323	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	14.4	13.72	0.19	0	Ant 4	DLXD100SQ8N7	QPSK	1	99	0 mm	back	1:1	0.715	1.169	0.836	0.281	0.328	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.83	0.18	0	Ant 4	DLXD100SQ8N7	QPSK	1	0	0 mm	back	1:1	0.669	1.140	0.763	0.271	0.309	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.4	13.72	0.20	0	Ant 4	DLXD100SQ8N7	QPSK	50	25	0 mm	back	1:1	0.671	1.169	0.784	0.275	0.321	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	14.4	13.73	0.20	0	Ant 4	DLXD100SQ8N7	QPSK	50	0	0 mm	back	1:1	0.652	1.167	0.761	0.266	0.310	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.75	0.16	0	Ant 4	DLXD100SQ8N7	QPSK	50	0	0 mm	back	1:1	0.679	1.161	0.788	0.266	0.309	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.70	0.20	0	Ant 4	DLXD100SQ8N7	QPSK	100	0	0 mm	back	1:1	0.655	1.175	0.770	0.264	0.310	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.83	0.00	0	Ant 4	DLXD100SQ8N7	QPSK	1	0	0 mm	top	1:1	0.479	1.140	0.546	0.201	0.229	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.75	-0.03	0	Ant 4	DLXD100SQ8N7	QPSK	50	0	0 mm	top	1:1	0.473	1.161	0.549	0.197	0.229	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.83	0.20	0	Ant 4	DLXD100SQ8N7	QPSK	1	0	0 mm	bottom	1:1	0.000	1.140	0.000	0.000	0.000	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.75	0.13	0	Ant 4	DLXD100SQ8N7	QPSK	50	0	0 mm	bottom	1:1	0.001	1.161	0.001	0.000	0.000	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.83	-0.09	0	Ant 4	DLXD100SQ8N7	QPSK	1	0	0 mm	right	1:1	0.016	1.140	0.018	0.007	0.008	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.75	-0.01	0	Ant 4	DLXD100SQ8N7	QPSK	50	0	0 mm	right	1:1	0.016	1.161	0.019	0.008	0.009	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.83	-0.04	0	Ant 4	DLXD100SQ8N7	QPSK	1	0	0 mm	left	1:1	0.378	1.140	0.431	0.150	0.171	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.4	13.75	0.02	0	Ant 4	DLXD100SQ8N7	QPSK	50	0	0 mm	left	1:1	0.387	1.161	0.449	0.154	0.179	
1720.00	132072	Low	LTE Band 66 (AWS)	20	11.4	11.07	-0.20	0	Ant 4	DLXD100SQ8N7	QPSK	1	50	0 mm	back	1:1	0.424	1.079	0.457	0.176	0.190	
1720.00	132072	Low	LTE Band 66 (AWS)	20	11.4	11.08	0.19	0	Ant 4	DLXD100SQ8N7	QPSK	50	25	0 mm	back	1:1	0.428	1.076	0.461	0.177	0.190	
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 10-30
LTE Band 66 (AWS) Ant 2A Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.07	-0.15	0	Ant 2A	DLXD1006Q8NF	QPSK	1	99	0 mm	back	1:1	1.080	1.054	1.138	0.493	0.520	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	15.3	15.06	-0.15	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	1.110	1.057	1.173	0.510	0.539	A11
1770.00	132572	High	LTE Band 66 (AWS)	20	15.3	14.91	-0.19	0	Ant 2A	DLXD1006Q8NF	QPSK	1	99	0 mm	back	1:1	0.962	1.094	1.052	0.439	0.480	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.10	-0.17	0	Ant 2A	DLXD1006Q8NF	QPSK	50	25	0 mm	back	1:1	1.090	1.047	1.141	0.496	0.519	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	15.3	14.98	-0.19	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	1.060	1.076	1.141	0.487	0.524	
1770.00	132572	High	LTE Band 66 (AWS)	20	15.3	14.87	-0.19	0	Ant 2A	DLXD1006Q8NF	QPSK	50	50	0 mm	back	1:1	0.988	1.104	1.091	0.450	0.497	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.04	-0.21	0	Ant 2A	DLXD1006Q8NF	QPSK	100	0	0 mm	back	1:1	1.070	1.062	1.136	0.488	0.518	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.07	0.13	0	Ant 2A	DLXD1006Q8NF	QPSK	1	99	0 mm	top	1:1	0.030	1.054	0.032	0.015	0.016	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.10	0.20	0	Ant 2A	DLXD1006Q8NF	QPSK	50	25	0 mm	top	1:1	0.029	1.047	0.030	0.014	0.015	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.07	-0.07	0	Ant 2A	DLXD1006Q8NF	QPSK	1	99	0 mm	bottom	1:1	0.460	1.054	0.485	0.155	0.163	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.10	-0.05	0	Ant 2A	DLXD1006Q8NF	QPSK	50	25	0 mm	bottom	1:1	0.440	1.047	0.461	0.148	0.155	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.07	0.04	0	Ant 2A	DLXD1006Q8NF	QPSK	1	99	0 mm	right	1:1	0.766	1.054	0.807	0.310	0.327	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	15.3	15.06	0.04	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.775	1.057	0.819	0.314	0.332	
1770.00	132572	High	LTE Band 66 (AWS)	20	15.3	14.91	0.04	0	Ant 2A	DLXD1006Q8NF	QPSK	1	99	0 mm	right	1:1	0.618	1.094	0.676	0.245	0.268	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.10	-0.01	0	Ant 2A	DLXD1006Q8NF	QPSK	50	25	0 mm	right	1:1	0.783	1.047	0.820	0.316	0.331	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	15.3	14.98	0.04	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	right	1:1	0.761	1.076	0.819	0.306	0.329	
1770.00	132572	High	LTE Band 66 (AWS)	20	15.3	14.87	0.01	0	Ant 2A	DLXD1006Q8NF	QPSK	50	50	0 mm	right	1:1	0.630	1.104	0.696	0.250	0.276	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.04	0.03	0	Ant 2A	DLXD1006Q8NF	QPSK	100	0	0 mm	right	1:1	0.780	1.062	0.828	0.317	0.337	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.07	-0.11	0	Ant 2A	DLXD1006Q8NF	QPSK	1	99	0 mm	left	1:1	0.001	1.054	0.001	0.000	0.000	
1720.00	132072	Low	LTE Band 66 (AWS)	20	15.3	15.10	0.13	0	Ant 2A	DLXD1006Q8NF	QPSK	50	25	0 mm	left	1:1	0.002	1.047	0.002	0.001	0.001	
1770.00	132572	High	LTE Band 66 (AWS)	20	12.3	12.14	-0.03	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	0.437	1.038	0.454	0.198	0.206	
1770.00	132572	High	LTE Band 66 (AWS)	20	12.3	12.03	0.08	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	0.442	1.064	0.470	0.201	0.214	
1770.00	132572	High	LTE Band 66 (AWS)	20	12.3	12.14	0.05	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.276	1.038	0.286	0.118	0.122	
1770.00	132572	High	LTE Band 66 (AWS)	20	12.3	12.03	0.11	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	right	1:1	0.284	1.064	0.302	0.122	0.130	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram					

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Table 10-31
LTE Band 66 (AWS) Ant 1A Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.73	-0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	back	1:1	1.060	1.016	1.077	0.532	0.541	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	14.8	14.70	-0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	1	0	0 mm	back	1:1	1.060	1.023	1.084	0.529	0.541	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.8	14.44	-0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	1	0	0 mm	back	1:1	0.949	1.086	1.031	0.475	0.516	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.68	-0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	50	50	0 mm	back	1:1	1.050	1.028	1.079	0.522	0.537	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	14.8	14.63	0.00	0	Ant 1A	DLXD100VQ8N7	QPSK	50	0	0 mm	back	1:1	1.050	1.040	1.092	0.526	0.547	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.8	14.48	-0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	50	0	0 mm	back	1:1	0.965	1.076	1.038	0.487	0.524	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.67	0.00	0	Ant 1A	DLXD100VQ8N7	QPSK	100	0	0 mm	back	1:1	1.050	1.030	1.082	0.521	0.537	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.73	-0.09	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	top	1:1	0.019	1.016	0.019	0.009	0.009	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.68	0.20	0	Ant 1A	DLXD100VQ8N7	QPSK	50	50	0 mm	top	1:1	0.019	1.028	0.020	0.009	0.009	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.73	0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	bottom	1:1	0.395	1.016	0.401	0.137	0.139	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.68	-0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	50	50	0 mm	bottom	1:1	0.384	1.028	0.395	0.133	0.137	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.73	0.17	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	right	1:1	0.002	1.016	0.002	0.000	0.000	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.68	0.17	0	Ant 1A	DLXD100VQ8N7	QPSK	50	50	0 mm	right	1:1	0.003	1.028	0.003	0.001	0.001	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.73	0.00	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	left	1:1	0.995	1.016	1.011	0.405	0.411	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	14.8	14.70	0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	1	0	0 mm	left	1:1	0.997	1.023	1.020	0.407	0.416	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.8	14.44	0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	1	0	0 mm	left	1:1	0.892	1.086	0.969	0.360	0.391	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.68	0.00	0	Ant 1A	DLXD100VQ8N7	QPSK	50	50	0 mm	left	1:1	1.000	1.028	1.028	0.407	0.418	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	14.8	14.63	-0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	50	0	0 mm	left	1:1	0.942	1.040	0.980	0.382	0.397	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.8	14.48	0.00	0	Ant 1A	DLXD100VQ8N7	QPSK	50	0	0 mm	left	1:1	0.867	1.076	0.933	0.351	0.378	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.8	14.67	0.00	0	Ant 1A	DLXD100VQ8N7	QPSK	100	0	0 mm	left	1:1	1.010	1.030	1.040	0.409	0.421	
1720.00	132072	Low	LTE Band 66 (AWS)	20	11.8	11.80	-0.05	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	back	1:1	0.404	1.000	0.404	0.200	0.200	
1770.00	132572	High	LTE Band 66 (AWS)	20	11.8	11.73	0.08	0	Ant 1A	DLXD100VQ8N7	QPSK	50	0	0 mm	back	1:1	0.399	1.016	0.405	0.196	0.199	
1720.00	132072	Low	LTE Band 66 (AWS)	20	11.8	11.80	0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	left	1:1	0.490	1.000	0.490	0.195	0.195	
1770.00	132572	High	LTE Band 66 (AWS)	20	11.8	11.73	-0.09	0	Ant 1A	DLXD100VQ8N7	QPSK	50	0	0 mm	left	1:1	0.409	1.016	0.416	0.164	0.167	
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 10-32
LTE Band 66 (AWS) Ant 3A Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.90	-0.03	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	0.484	1.047	0.507	0.221	0.231	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.86	-0.01	0	Ant 3A	DLXD1006Q8NF	QPSK	50	25	0 mm	back	1:1	0.470	1.057	0.497	0.214	0.226	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.90	-0.02	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	top	1:1	0.339	1.047	0.355	0.114	0.119	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.86	-0.06	0	Ant 3A	DLXD1006Q8NF	QPSK	50	25	0 mm	top	1:1	0.324	1.057	0.342	0.109	0.115	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.90	0.20	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	bottom	1:1	0.007	1.047	0.007	0.003	0.003	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.86	0.12	0	Ant 3A	DLXD1006Q8NF	QPSK	50	25	0 mm	bottom	1:1	0.006	1.057	0.006	0.003	0.003	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.90	-0.02	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	1.030	1.047	1.078	0.420	0.440	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	14.1	13.81	-0.01	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	1.030	1.069	1.101	0.417	0.446	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.1	13.48	0.00	0	Ant 3A	DLXD1006Q8NF	QPSK	1	99	0 mm	right	1:1	1.010	1.153	1.165	0.406	0.468	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.86	0.00	0	Ant 3A	DLXD1006Q8NF	QPSK	50	25	0 mm	right	1:1	0.993	1.057	1.050	0.402	0.425	
1745.00	132322	Mid	LTE Band 66 (AWS)	20	14.1	13.75	-0.01	0	Ant 3A	DLXD1006Q8NF	QPSK	50	25	0 mm	right	1:1	1.010	1.084	1.095	0.406	0.440	
1770.00	132572	High	LTE Band 66 (AWS)	20	14.1	13.50	-0.01	0	Ant 3A	DLXD1006Q8NF	QPSK	50	50	0 mm	right	1:1	1.010	1.148	1.159	0.407	0.467	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.85	-0.03	0	Ant 3A	DLXD1006Q8NF	QPSK	100	0	0 mm	right	1:1	0.990	1.059	1.048	0.400	0.424	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.90	-0.16	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	left	1:1	0.002	1.047	0.002	0.001	0.001	
1720.00	132072	Low	LTE Band 66 (AWS)	20	14.1	13.86	-0.11	0	Ant 3A	DLXD1006Q8NF	QPSK	50	25	0 mm	left	1:1	0.001	1.057	0.001	0.001	0.001	
1720.00	132072	Low	LTE Band 66 (AWS)	20	11.1	10.90	0.20	0	Ant 3A	DLXD1006Q8NF	QPSK	1	50	0 mm	right	1:1	0.449	1.047	0.470	0.185	0.194	
1720.00	132072	Low	LTE Band 66 (AWS)	20	11.1	10.87	-0.07	0	Ant 3A	DLXD1006Q8NF	QPSK	50	25	0 mm	right	1:1	0.439	1.054	0.463	0.183	0.193	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram					

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Table 10-33
LTE Band 2 (PCS) Ant 4 Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1860.00	18700	Low	LTE Band 2 (PCS)	20	16.0	15.80	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	1	99	0 mm	back	1:1	0.855	1.047	0.895	0.354	0.371	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	16.0	15.76	0.02	0	Ant 4	DLXD1006Q8NF	QPSK	1	99	0 mm	back	1:1	0.847	1.057	0.895	0.348	0.368	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	15.85	0.00	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	back	1:1	0.890	1.035	0.921	0.364	0.377	
1860.00	18700	Low	LTE Band 2 (PCS)	20	16.0	15.63	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	50	50	0 mm	back	1:1	0.836	1.089	0.910	0.344	0.375	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	16.0	15.70	0.03	0	Ant 4	DLXD1006Q8NF	QPSK	50	50	0 mm	back	1:1	0.851	1.072	0.912	0.348	0.373	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	16.00	0.00	0	Ant 4	DLXD1006Q8NF	QPSK	50	25	0 mm	back	1:1	0.896	1.000	0.896	0.366	0.366	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	15.84	0.00	0	Ant 4	DLXD1006Q8NF	QPSK	100	0	0 mm	back	1:1	0.904	1.038	0.938	0.368	0.382	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	15.85	-0.04	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	top	1:1	0.600	1.035	0.621	0.246	0.255	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	16.00	-0.04	0	Ant 4	DLXD1006Q8NF	QPSK	50	25	0 mm	top	1:1	0.595	1.000	0.595	0.244	0.244	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	15.85	0.20	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	bottom	1:1	0.001	1.035	0.001	0.001	0.001	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	16.00	0.20	0	Ant 4	DLXD1006Q8NF	QPSK	50	25	0 mm	bottom	1:1	0.001	1.000	0.001	0.001	0.001	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	15.85	0.21	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	right	1:1	0.010	1.035	0.010	0.004	0.004	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	16.00	0.19	0	Ant 4	DLXD1006Q8NF	QPSK	50	25	0 mm	right	1:1	0.005	1.000	0.005	0.002	0.002	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	15.85	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	left	1:1	0.205	1.035	0.212	0.074	0.077	
1900.00	19100	High	LTE Band 2 (PCS)	20	16.0	16.00	0.00	0	Ant 4	DLXD1006Q8NF	QPSK	50	25	0 mm	left	1:1	0.208	1.000	0.208	0.075	0.075	
1900.00	19100	High	LTE Band 2 (PCS)	20	13.0	12.87	-0.04	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	back	1:1	0.552	1.030	0.569	0.223	0.230	
1900.00	19100	High	LTE Band 2 (PCS)	20	13.0	12.89	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	50	25	0 mm	back	1:1	0.534	1.026	0.548	0.215	0.221	
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 10-34
LTE Band 2 (PCS) Ant 2A Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.4	13.90	-0.03	0	Ant 2A	DLXD100GQ8NF	QPSK	1	0	0 mm	back	1:1	0.914	1.122	1.026	0.415	0.466	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	14.4	13.76	-0.03	0	Ant 2A	DLXD100GQ8NF	QPSK	1	0	0 mm	back	1:1	0.887	1.159	1.028	0.400	0.464	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.4	13.89	-0.04	0	Ant 2A	DLXD100GQ8NF	QPSK	1	50	0 mm	back	1:1	0.935	1.125	1.052	0.416	0.468	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.4	13.86	-0.03	0	Ant 2A	DLXD100GQ8NF	QPSK	50	0	0 mm	back	1:1	0.890	1.132	1.007	0.402	0.455	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	14.4	13.89	-0.01	0	Ant 2A	DLXD100GQ8NF	QPSK	50	0	0 mm	back	1:1	0.881	1.125	0.991	0.395	0.444	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.4	13.90	0.00	0	Ant 2A	DLXD100GQ8NF	QPSK	50	0	0 mm	back	1:1	0.948	1.122	1.064	0.423	0.475	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.4	13.86	-0.03	0	Ant 2A	DLXD100GQ8NF	QPSK	100	0	0 mm	back	1:1	0.957	1.132	1.083	0.436	0.494	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.4	13.90	0.18	0	Ant 2A	DLXD100GQ8NF	QPSK	1	0	0 mm	top	1:1	0.016	1.122	0.018	0.008	0.009	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.4	13.90	0.20	0	Ant 2A	DLXD100GQ8NF	QPSK	50	0	0 mm	top	1:1	0.015	1.122	0.017	0.008	0.009	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.4	13.90	-0.03	0	Ant 2A	DLXD100GQ8NF	QPSK	1	0	0 mm	bottom	1:1	0.428	1.122	0.480	0.145	0.163	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.4	13.90	0.10	0	Ant 2A	DLXD100GQ8NF	QPSK	50	0	0 mm	bottom	1:1	0.500	1.122	0.561	0.170	0.191	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.4	13.90	-0.03	0	Ant 2A	DLXD100GQ8NF	QPSK	1	0	0 mm	right	1:1	0.602	1.122	0.675	0.230	0.258	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.4	13.90	-0.04	0	Ant 2A	DLXD100GQ8NF	QPSK	50	0	0 mm	right	1:1	0.615	1.122	0.690	0.232	0.260	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.4	13.90	0.19	0	Ant 2A	DLXD100GQ8NF	QPSK	1	0	0 mm	left	1:1	0.003	1.122	0.003	0.001	0.001	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.4	13.90	0.18	0	Ant 2A	DLXD100GQ8NF	QPSK	50	0	0 mm	left	1:1	0.002	1.122	0.002	0.001	0.001	
1860.00	18700	Low	LTE Band 2 (PCS)	20	11.4	11.21	0.12	0	Ant 2A	DLXD100GQ8NF	QPSK	1	99	0 mm	back	1:1	0.537	1.045	0.561	0.250	0.261	
1900.00	19100	High	LTE Band 2 (PCS)	20	11.4	11.32	0.01	0	Ant 2A	DLXD100GQ8NF	QPSK	50	25	0 mm	back	1:1	0.576	1.019	0.587	0.268	0.273	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram					

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Table 10-35
LTE Band 2 (PCS) Ant 1A Body SAR

MEASUREMENT RESULTS																											
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.6	14.11	-0.01	0	Ant 1A	DLXD100SQ8N7	QPSK	1	99	0 mm	back	1:1	0.925	1.119	1.035	0.473	0.529	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	14.6	14.41	0.03	0	Ant 1A	DLXD100SQ8N7	QPSK	1	99	0 mm	back	1:1	1.010	1.045	1.055	0.516	0.539	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	-0.01	0	Ant 1A	DLXD100SQ8N7	QPSK	1	50	0 mm	back	1:1	1.040	1.000	1.040	0.533	0.533	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.6	14.07	0.03	0	Ant 1A	DLXD100SQ8N7	QPSK	50	50	0 mm	back	1:1	0.904	1.130	1.022	0.462	0.522	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	14.6	14.43	0.01	0	Ant 1A	DLXD100SQ8N7	QPSK	50	50	0 mm	back	1:1	0.994	1.040	1.034	0.507	0.527	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.51	0.02	0	Ant 1A	DLXD100SQ8N7	QPSK	50	25	0 mm	back	1:1	1.040	1.021	1.062	0.529	0.540	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.40	-0.01	0	Ant 1A	DLXD100SQ8N7	QPSK	100	0	0 mm	back	1:1	1.100	1.047	1.152	0.542	0.567	A12
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	0.20	0	Ant 1A	DLXD100SQ8N7	QPSK	1	50	0 mm	top	1:1	0.022	1.000	0.022	0.009	0.009	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.51	0.20	0	Ant 1A	DLXD100SQ8N7	QPSK	50	25	0 mm	top	1:1	0.021	1.021	0.021	0.009	0.009	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	0.07	0	Ant 1A	DLXD100SQ8N7	QPSK	1	50	0 mm	bottom	1:1	0.438	1.000	0.438	0.155	0.155	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.51	0.03	0	Ant 1A	DLXD100SQ8N7	QPSK	50	25	0 mm	bottom	1:1	0.445	1.021	0.454	0.158	0.161	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	0.20	0	Ant 1A	DLXD100SQ8N7	QPSK	1	50	0 mm	right	1:1	0.000	1.000	0.000	0.000	0.000	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.51	-0.05	0	Ant 1A	DLXD100SQ8N7	QPSK	50	25	0 mm	right	1:1	0.001	1.021	0.001	0.000	0.000	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.6	14.11	-0.06	0	Ant 1A	DLXD100SQ8N7	QPSK	1	99	0 mm	left	1:1	0.925	1.119	1.035	0.333	0.373	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	14.6	14.41	-0.05	0	Ant 1A	DLXD100SQ8N7	QPSK	1	99	0 mm	left	1:1	0.954	1.045	0.997	0.374	0.391	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	-0.01	0	Ant 1A	DLXD100SQ8N7	QPSK	1	50	0 mm	left	1:1	1.090	1.000	1.090	0.442	0.442	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.6	14.07	-0.05	0	Ant 1A	DLXD100SQ8N7	QPSK	50	50	0 mm	left	1:1	0.952	1.130	1.076	0.343	0.388	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	14.6	14.43	0.00	0	Ant 1A	DLXD100SQ8N7	QPSK	50	50	0 mm	left	1:1	0.947	1.040	0.985	0.366	0.381	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.51	-0.03	0	Ant 1A	DLXD100SQ8N7	QPSK	50	25	0 mm	left	1:1	1.090	1.021	1.113	0.439	0.448	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.40	-0.02	0	Ant 1A	DLXD100SQ8N7	QPSK	100	0	0 mm	left	1:1	1.060	1.047	1.110	0.413	0.432	
1900.00	19100	High	LTE Band 2 (PCS)	20	11.6	11.59	0.00	0	Ant 1A	DLXD1006Q8NF	QPSK	1	50	0 mm	back	1:1	0.497	1.002	0.498	0.225	0.225	
1900.00	19100	High	LTE Band 2 (PCS)	20	11.6	11.60	-0.02	0	Ant 1A	DLXD1006Q8NF	QPSK	50	25	0 mm	back	1:1	0.476	1.000	0.476	0.222	0.222	
1900.00	19100	High	LTE Band 2 (PCS)	20	11.6	11.59	-0.06	0	Ant 1A	DLXD1006Q8NF	QPSK	1	50	0 mm	left	1:1	0.436	1.002	0.437	0.174	0.174	
1900.00	19100	High	LTE Band 2 (PCS)	20	11.6	11.60	-0.07	0	Ant 1A	DLXD1006Q8NF	QPSK	50	25	0 mm	left	1:1	0.435	1.000	0.435	0.173	0.173	
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 10-36
LTE Band 2 (PCS) Ant 3A Body SAR

MEASUREMENT RESULTS																											
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.53	-0.03	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	back	1:1	0.553	1.016	0.562	0.256	0.260	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	-0.03	0	Ant 3A	DLXD100GQ8NF	QPSK	50	25	0 mm	back	1:1	0.575	1.000	0.575	0.263	0.263	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.53	-0.03	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	top	1:1	0.342	1.016	0.347	0.120	0.122	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	-0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	50	25	0 mm	top	1:1	0.349	1.000	0.349	0.123	0.123	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.53	0.01	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	bottom	1:1	0.009	1.016	0.009	0.005	0.005	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	-0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	50	25	0 mm	bottom	1:1	0.008	1.000	0.008	0.004	0.004	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.6	14.50	0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	right	1:1	1.010	1.023	1.033	0.394	0.403	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	14.6	14.51	0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	right	1:1	1.003	1.021	1.024	0.397	0.405	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.53	0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	right	1:1	0.984	1.016	1.000	0.378	0.384	
1860.00	18700	Low	LTE Band 2 (PCS)	20	14.6	14.45	0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	right	1:1	0.994	1.035	1.029	0.390	0.404	
1880.00	18900	Mid	LTE Band 2 (PCS)	20	14.6	14.52	0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	50	25	0 mm	right	1:1	1.010	1.019	1.029	0.392	0.399	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	50	25	0 mm	right	1:1	1.050	1.000	1.050	0.404	0.404	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.52	0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	100	0	0 mm	right	1:1	1.060	1.019	1.080	0.406	0.414	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.53	0.21	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	left	1:1	0.005	1.016	0.005	0.003	0.003	
1900.00	19100	High	LTE Band 2 (PCS)	20	14.6	14.60	0.20	0	Ant 3A	DLXD100GQ8NF	QPSK	50	25	0 mm	left	1:1	0.006	1.000	0.006	0.003	0.003	
1900.00	19100	High	LTE Band 2 (PCS)	20	11.6	11.58	-0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	right	1:1	0.504	1.005	0.507	0.198	0.199	
1900.00	19100	High	LTE Band 2 (PCS)	20	11.6	11.59	-0.06	0	Ant 3A	DLXD100GQ8NF	QPSK	50	50	0 mm	right	1:1	0.490	1.002	0.491	0.193	0.193	
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 10-37
LTE Band 25 (PCS) Ant 4 Body SAR

MEASUREMENT RESULTS																											
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1860.00	26140	Low	LTE Band 25 (PCS)	20	16.0	15.34	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	0.860	1.164	1.001	0.358	0.417	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	16.0	15.61	0.04	0	Ant 4	DLXD1006Q8NF	QPSK	1	99	0 mm	back	1:1	0.838	1.094	0.917	0.346	0.379	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.77	0.05	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	back	1:1	0.853	1.054	0.899	0.349	0.368	
1860.00	26140	Low	LTE Band 25 (PCS)	20	16.0	15.41	-0.06	0	Ant 4	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	0.826	1.146	0.947	0.344	0.394	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	16.0	15.44	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	50	50	0 mm	back	1:1	0.822	1.138	0.935	0.339	0.386	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.73	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	0.871	1.064	0.927	0.358	0.381	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.69	-0.07	0	Ant 4	DLXD1006Q8NF	QPSK	100	0	0 mm	back	1:1	0.870	1.074	0.934	0.356	0.382	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.77	-0.02	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	top	1:1	0.538	1.054	0.567	0.224	0.236	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.73	-0.07	0	Ant 4	DLXD1006Q8NF	QPSK	50	0	0 mm	top	1:1	0.562	1.064	0.598	0.232	0.247	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.77	0.21	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	bottom	1:1	0.001	1.054	0.001	0.000	0.000	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.73	0.14	0	Ant 4	DLXD1006Q8NF	QPSK	50	0	0 mm	bottom	1:1	0.002	1.064	0.002	0.001	0.001	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.77	0.14	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	right	1:1	0.006	1.054	0.006	0.002	0.002	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.73	0.13	0	Ant 4	DLXD1006Q8NF	QPSK	50	0	0 mm	right	1:1	0.008	1.064	0.009	0.003	0.003	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.77	0.04	0	Ant 4	DLXD1006Q8NF	QPSK	1	50	0 mm	left	1:1	0.185	1.054	0.195	0.068	0.072	
1905.00	26590	High	LTE Band 25 (PCS)	20	16.0	15.73	0.03	0	Ant 4	DLXD1006Q8NF	QPSK	50	0	0 mm	left	1:1	0.197	1.064	0.210	0.072	0.077	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Body 1.6 W/kg (mW/g) averaged over 1 gram																	

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Table 10-38
LTE Band 25 (PCS) Ant 2A Body SAR

MEASUREMENT RESULTS																										
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Scaling Factor	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																						
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.4	14.17	0.03	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	1.050	1.054	1.107	0.482	0.508	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.4	14.15	0.00	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	1.030	1.059	1.091	0.469	0.497	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.20	-0.02	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	1.090	1.047	1.141	0.493	0.516	
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.4	14.15	-0.01	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	1.080	1.059	1.144	0.486	0.515	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.4	14.21	-0.01	0	Ant 2A	DLXD1006Q8NF	QPSK	50	50	0 mm	back	1:1	1.100	1.045	1.150	0.490	0.512	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.32	0.00	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	1.130	1.019	1.151	0.511	0.521	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.15	-0.02	0	Ant 2A	DLXD1006Q8NF	QPSK	100	0	0 mm	back	1:1	1.090	1.059	1.154	0.488	0.517	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.20	-0.02	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	top	1:1	0.017	1.047	0.018	0.009	0.009	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.32	0.11	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	top	1:1	0.017	1.019	0.017	0.009	0.009	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.20	0.03	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	bottom	1:1	0.555	1.047	0.581	0.188	0.197	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.32	0.01	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	bottom	1:1	0.561	1.019	0.572	0.191	0.195	
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.4	14.17	0.12	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.800	1.054	0.843	0.286	0.301	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.4	14.15	0.00	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.782	1.059	0.828	0.279	0.295	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.20	-0.02	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.828	1.047	0.867	0.293	0.307	
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.4	14.15	0.02	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	right	1:1	0.770	1.059	0.815	0.275	0.291	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.4	14.21	0.03	0	Ant 2A	DLXD1006Q8NF	QPSK	50	50	0 mm	right	1:1	0.786	1.045	0.821	0.278	0.291	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.32	0.04	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	right	1:1	0.830	1.019	0.846	0.292	0.298	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.15	0.08	0	Ant 2A	DLXD1006Q8NF	QPSK	100	0	0 mm	right	1:1	0.780	1.059	0.826	0.274	0.290	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.20	0.19	0	Ant 2A	DLXD1006Q8NF	QPSK	1	0	0 mm	left	1:1	0.002	1.047	0.002	0.001	0.001	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.4	14.32	0.01	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	left	1:1	0.003	1.019	0.003	0.001	0.001	
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 10-39
LTE Band 25 (PCS) Ant 1A Body SAR

MEASUREMENT RESULTS																										
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Scaling Factor	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																						
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.6	14.13	0.00	0	Ant 1A	DLXD100VQ8N7	QPSK	1	0	0 mm	back	1:1	0.947	1.114	1.055	0.465	0.518	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.6	14.34	0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	back	1:1	1.040	1.062	1.104	0.507	0.538	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.46	0.06	0	Ant 1A	DLXD100VQ8N7	QPSK	1	50	0 mm	back	1:1	1.100	1.033	1.136	0.534	0.552	
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.6	14.10	-0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	50	0	0 mm	back	1:1	0.903	1.122	1.013	0.440	0.494	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.6	14.38	0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	50	50	0 mm	back	1:1	1.010	1.052	1.063	0.494	0.520	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	50	25	0 mm	back	1:1	1.090	1.026	1.118	0.527	0.541	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.38	0.04	0	Ant 1A	DLXD100VQ8N7	QPSK	100	0	0 mm	back	1:1	1.100	1.052	1.157	0.531	0.559	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.46	-0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	1	50	0 mm	top	1:1	0.021	1.033	0.022	0.009	0.009	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	0.10	0	Ant 1A	DLXD100VQ8N7	QPSK	50	25	0 mm	top	1:1	0.020	1.026	0.021	0.009	0.009	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.46	-0.05	0	Ant 1A	DLXD100VQ8N7	QPSK	1	50	0 mm	bottom	1:1	0.469	1.033	0.484	0.161	0.166	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	50	25	0 mm	bottom	1:1	0.472	1.026	0.484	0.164	0.168	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.46	0.20	0	Ant 1A	DLXD100VQ8N7	QPSK	1	50	0 mm	right	1:1	0.002	1.033	0.002	0.001	0.001	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	0.21	0	Ant 1A	DLXD100VQ8N7	QPSK	50	25	0 mm	right	1:1	0.002	1.026	0.002	0.001	0.001	
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.6	14.13	-0.05	0	Ant 1A	DLXD100VQ8N7	QPSK	1	0	0 mm	left	1:1	0.828	1.114	0.922	0.318	0.354	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.6	14.34	0.04	0	Ant 1A	DLXD100VQ8N7	QPSK	1	99	0 mm	left	1:1	1.040	1.062	1.104	0.396	0.421	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.46	0.00	0	Ant 1A	DLXD100VQ8N7	QPSK	1	50	0 mm	left	1:1	1.120	1.033	1.157	0.430	0.444	
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.6	14.10	0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	50	0	0 mm	left	1:1	0.817	1.122	0.917	0.311	0.349	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.6	14.38	0.03	0	Ant 1A	DLXD100VQ8N7	QPSK	50	50	0 mm	left	1:1	0.995	1.052	1.047	0.378	0.398	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	0.02	0	Ant 1A	DLXD100VQ8N7	QPSK	50	25	0 mm	left	1:1	1.130	1.026	1.159	0.424	0.435	A13
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.38	0.01	0	Ant 1A	DLXD100VQ8N7	QPSK	100	0	0 mm	left	1:1	1.100	1.052	1.157	0.417	0.439	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Body 1.6 W/kg (mW/g) averaged over 1 gram													

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Table 10-40
LTE Band 25 (PCS) Ant 3A Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.55	0.01	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	back	1:1	0.633	1.012	0.641	0.305	0.309	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	-0.08	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	back	1:1	0.624	1.026	0.640	0.298	0.306	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.55	0.03	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	top	1:1	0.425	1.012	0.430	0.144	0.146	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	-0.03	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	top	1:1	0.417	1.026	0.428	0.141	0.145	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.55	0.20	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	bottom	1:1	0.008	1.012	0.008	0.003	0.003	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	0.20	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	bottom	1:1	0.008	1.026	0.008	0.003	0.003	
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.6	14.35	0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	right	1:1	1.050	1.059	1.112	0.413	0.437	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.6	14.33	0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	right	1:1	1.060	1.064	1.128	0.413	0.439	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.55	-0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	right	1:1	1.080	1.012	1.093	0.418	0.423	
1860.00	26140	Low	LTE Band 25 (PCS)	20	14.6	14.18	0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	right	1:1	1.040	1.102	1.146	0.409	0.451	
1882.50	26365	Mid	LTE Band 25 (PCS)	20	14.6	14.47	0.06	0	Ant 3A	DLXD100GQ8NF	QPSK	50	50	0 mm	right	1:1	1.070	1.030	1.102	0.412	0.424	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	right	1:1	1.070	1.026	1.098	0.415	0.426	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.47	0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	100	0	0 mm	right	1:1	1.050	1.030	1.082	0.408	0.420	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.55	0.20	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	left	1:1	0.007	1.012	0.007	0.002	0.002	
1905.00	26590	High	LTE Band 25 (PCS)	20	14.6	14.49	0.18	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	left	1:1	0.006	1.026	0.006	0.002	0.002	
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 10-41
LTE Band 30 Ant 4 Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.58	-0.05	0	Ant 4	DLXD1006Q8NF	QPSK	1	49	0 mm	back	1:1	1.020	1.028	1.049	0.390	0.401	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.54	0.00	0	Ant 4	DLXD1006Q8NF	QPSK	25	0	0 mm	back	1:1	1.030	1.038	1.069	0.394	0.409	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.50	-0.02	0	Ant 4	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	1.050	1.047	1.099	0.398	0.417	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.58	0.03	0	Ant 4	DLXD1006Q8NF	QPSK	1	49	0 mm	top	1:1	0.478	1.028	0.491	0.181	0.186	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.54	0.06	0	Ant 4	DLXD1006Q8NF	QPSK	25	0	0 mm	top	1:1	0.497	1.038	0.516	0.187	0.194	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.58	0.20	0	Ant 4	DLXD1006Q8NF	QPSK	1	49	0 mm	bottom	1:1	0.021	1.028	0.022	0.008	0.008	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.54	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	25	0	0 mm	bottom	1:1	0.021	1.038	0.022	0.008	0.008	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.58	0.20	0	Ant 4	DLXD1006Q8NF	QPSK	1	49	0 mm	right	1:1	0.008	1.028	0.008	0.003	0.003	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.54	0.20	0	Ant 4	DLXD1006Q8NF	QPSK	25	0	0 mm	right	1:1	0.006	1.038	0.006	0.003	0.003	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.58	-0.03	0	Ant 4	DLXD1006Q8NF	QPSK	1	49	0 mm	left	1:1	0.885	1.028	0.910	0.318	0.327	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.54	0.03	0	Ant 4	DLXD1006Q8NF	QPSK	25	0	0 mm	left	1:1	0.895	1.038	0.929	0.321	0.333	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.50	0.00	0	Ant 4	DLXD1006Q8NF	QPSK	50	0	0 mm	left	1:1	0.897	1.047	0.939	0.321	0.336	
2310.00	27710	Mid	LTE Band 30	10	10.7	10.68	0.12	0	Ant 4	DLXD1006Q8NF	QPSK	1	49	0 mm	back	1:1	0.532	1.005	0.535	0.201	0.202	
2310.00	27710	Mid	LTE Band 30	10	10.7	10.65	-0.01	0	Ant 4	DLXD1006Q8NF	QPSK	25	25	0 mm	back	1:1	0.555	1.012	0.562	0.208	0.210	
2310.00	27710	Mid	LTE Band 30	10	10.7	10.68	-0.02	0	Ant 4	DLXD1006Q8NF	QPSK	1	49	0 mm	left	1:1	0.468	1.005	0.470	0.165	0.166	
2310.00	27710	Mid	LTE Band 30	10	10.7	10.65	0.06	0	Ant 4	DLXD1006Q8NF	QPSK	25	25	0 mm	left	1:1	0.474	1.012	0.480	0.168	0.170	
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 10-42
LTE Band 30 Ant 2A Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.																(W/kg)		(W/kg)	(W/kg)	(W/kg)	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.90	0.02	0	Ant 2A	DLXD1006Q8NF	QPSK	1	25	0 mm	back	1:1	0.959	1.148	1.101	0.370	0.425	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.88	0.03	0	Ant 2A	DLXD1006Q8NF	QPSK	25	25	0 mm	back	1:1	0.953	1.153	1.099	0.368	0.424	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.87	0.03	0	Ant 2A	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	0.978	1.156	1.131	0.378	0.437	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.90	-0.02	0	Ant 2A	DLXD1006Q8NF	QPSK	1	25	0 mm	top	1:1	0.014	1.148	0.016	0.006	0.007	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.88	0.20	0	Ant 2A	DLXD1006Q8NF	QPSK	25	25	0 mm	top	1:1	0.013	1.153	0.015	0.006	0.007	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.90	0.04	0	Ant 2A	DLXD1006Q8NF	QPSK	1	25	0 mm	bottom	1:1	0.326	1.148	0.374	0.106	0.122	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.88	0.00	0	Ant 2A	DLXD1006Q8NF	QPSK	25	25	0 mm	bottom	1:1	0.327	1.153	0.377	0.106	0.122	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.90	-0.07	0	Ant 2A	DLXD1006Q8NF	QPSK	1	25	0 mm	right	1:1	0.488	1.148	0.560	0.177	0.203	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.88	0.13	0	Ant 2A	DLXD1006Q8NF	QPSK	25	25	0 mm	right	1:1	0.464	1.153	0.535	0.166	0.191	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.90	0.20	0	Ant 2A	DLXD1006Q8NF	QPSK	1	25	0 mm	left	1:1	0.008	1.148	0.009	0.003	0.003	
2310.00	27710	Mid	LTE Band 30	10	13.5	12.88	0.21	0	Ant 2A	DLXD1006Q8NF	QPSK	25	25	0 mm	left	1:1	0.008	1.153	0.009	0.003	0.003	
2310.00	27710	Mid	LTE Band 30	10	10.5	9.84	-0.15	0	Ant 2A	DLXD1006Q8NF	QPSK	1	25	0 mm	back	1:1	0.470	1.164	0.547	0.184	0.214	
2310.00	27710	Mid	LTE Band 30	10	10.5	9.85	-0.05	0	Ant 2A	DLXD1006Q8NF	QPSK	25	25	0 mm	back	1:1	0.460	1.161	0.534	0.180	0.209	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population										Body 1.6 W/kg (mW/g) averaged over 1 gram															

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Table 10-43
LTE Band 30 Ant 1A Body SAR

MEASUREMENT RESULTS																									
FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.															(W/kg)		(W/kg)	(W/kg)	(W/kg)	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.38	-0.09	0	Ant 1A	DLXD1006Q8NF	QPSK	1	49	0 mm	back	1:1	1.030	1.028	1.059	0.442	0.454	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.42	-0.04	0	Ant 1A	DLXD1006Q8NF	QPSK	25	25	0 mm	back	1:1	1.070	1.019	1.090	0.499	0.508	A14
2310.00	27710	Mid	LTE Band 30	10	14.5	14.31	-0.11	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	back	1:1	1.040	1.045	1.087	0.457	0.478	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.38	-0.20	0	Ant 1A	DLXD1006Q8NF	QPSK	1	49	0 mm	top	1:1	0.028	1.028	0.029	0.011	0.011	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.42	-0.05	0	Ant 1A	DLXD1006Q8NF	QPSK	25	25	0 mm	top	1:1	0.031	1.019	0.032	0.012	0.012	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.38	0.00	0	Ant 1A	DLXD1006Q8NF	QPSK	1	49	0 mm	bottom	1:1	0.457	1.028	0.470	0.148	0.152	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.42	-0.11	0	Ant 1A	DLXD1006Q8NF	QPSK	25	25	0 mm	bottom	1:1	0.478	1.019	0.487	0.154	0.157	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.38	-0.10	0	Ant 1A	DLXD1006Q8NF	QPSK	1	49	0 mm	right	1:1	0.004	1.028	0.004	0.002	0.002	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.42	0.15	0	Ant 1A	DLXD1006Q8NF	QPSK	25	25	0 mm	right	1:1	0.004	1.019	0.004	0.002	0.002	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.38	0.01	0	Ant 1A	DLXD1006Q8NF	QPSK	1	49	0 mm	left	1:1	0.896	1.028	0.921	0.319	0.328	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.42	-0.03	0	Ant 1A	DLXD1006Q8NF	QPSK	25	25	0 mm	left	1:1	0.948	1.019	0.966	0.336	0.342	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.31	0.03	0	Ant 1A	DLXD1006Q8NF	QPSK	50	0	0 mm	left	1:1	0.923	1.045	0.965	0.328	0.343	
2310.00	27710	Mid	LTE Band 30	10	11.5	11.37	0.04	0	Ant 1A	DLXD1006Q8NF	QPSK	1	25	0 mm	back	1:1	0.467	1.030	0.481	0.203	0.209	
2310.00	27710	Mid	LTE Band 30	10	11.5	11.36	0.01	0	Ant 1A	DLXD1006Q8NF	QPSK	25	25	0 mm	back	1:1	0.466	1.033	0.481	0.204	0.211	
2310.00	27710	Mid	LTE Band 30	10	11.5	11.37	0.07	0	Ant 1A	DLXD1006Q8NF	QPSK	1	25	0 mm	left	1:1	0.390	1.030	0.402	0.138	0.142	
2310.00	27710	Mid	LTE Band 30	10	11.5	11.36	0.00	0	Ant 1A	DLXD1006Q8NF	QPSK	25	25	0 mm	left	1:1	0.407	1.033	0.420	0.144	0.149	
2310.00	27710	Mid	LTE Band 30	10	14.5	14.42	-0.02	0	Ant 1A	DLXD1006Q8NF	QPSK	25	25	0 mm	back	1:1	1.070	1.019	1.090	0.466	0.475	
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 10-44
LTE Band 30 Ant 3A Body SAR

MEASUREMENT RESULTS																									
FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.															(W/kg)		(W/kg)	(W/kg)	(W/kg)	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.18	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	back	1:1	0.446	1.172	0.523	0.200	0.234	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.16	0	Ant 3A	DLXD1006Q8NF	QPSK	25	25	0 mm	back	1:1	0.445	1.172	0.522	0.199	0.233	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.07	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	top	1:1	0.353	1.172	0.414	0.112	0.131	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.05	0	Ant 3A	DLXD1006Q8NF	QPSK	25	25	0 mm	top	1:1	0.367	1.172	0.430	0.116	0.136	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.05	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	bottom	1:1	0.006	1.172	0.007	0.002	0.002	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.15	0	Ant 3A	DLXD1006Q8NF	QPSK	25	25	0 mm	bottom	1:1	0.006	1.172	0.007	0.002	0.002	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	0.00	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.966	1.172	1.132	0.349	0.409	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.02	0	Ant 3A	DLXD1006Q8NF	QPSK	25	25	0 mm	right	1:1	0.942	1.172	1.104	0.338	0.396	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.00	0.00	0	Ant 3A	DLXD1006Q8NF	QPSK	50	0	0 mm	right	1:1	0.950	1.175	1.116	0.342	0.402	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.21	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	left	1:1	0.000	1.172	0.000	0.000	0.000	
2310.00	27710	Mid	LTE Band 30	10	13.7	13.01	-0.20	0	Ant 3A	DLXD1006Q8NF	QPSK	25	25	0 mm	left	1:1	0.001	1.172	0.001	0.000	0.000	
2310.00	27710	Mid	LTE Band 30	10	10.7	10.18	-0.09	0	Ant 3A	DLXD1006Q8NF	QPSK	1	0	0 mm	right	1:1	0.508	1.127	0.573	0.184	0.207	
2310.00	27710	Mid	LTE Band 30	10	10.7	10.06	-0.02	0	Ant 3A	DLXD1006Q8NF	QPSK	25	0	0 mm	right	1:1	0.508	1.159	0.589	0.183	0.212	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram						

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Table 10-45
LTE Band 7 Ant 4 Body SAR

MEASUREMENT RESULTS																												
1 CC Uplink | 2CC Uplink	Component Carrier	FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Scaling Factor	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
		MHz	Ch.																						
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.66	-0.01	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1	1.090	1.009	1.100	0.405	0.409	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.65	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	1.120	1.012	1.133	0.391	0.396	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.7	13.45	0.20	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1	0.996	1.059	1.055	0.368	0.390	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.40	-0.03	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	0.981	1.072	1.052	0.360	0.386	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.63	-0.10	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	1.080	1.016	1.097	0.393	0.399	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.7	13.48	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1	1.000	1.052	1.052	0.371	0.390	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.50	0.00	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	0.977	1.047	1.023	0.360	0.377	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.47	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1	0.970	1.054	1.022	0.356	0.375	
2 CC Uplink	PCC	2510.00	20850	Low	LTE Band 7	20	13.7	13.70	-0.01	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	1.160	1.000	1.160	0.404	0.404	
2 CC Uplink	SCC	2529.80	21048	Low	LTE Band 7	20								1	0									
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.66	-0.08	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	top	1:1	0.697	1.009	0.703	0.257	0.259	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.7	13.45	-0.06	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	top	1:1	0.645	1.059	0.683	0.236	0.250	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.40	-0.08	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	top	1:1	0.625	1.072	0.670	0.227	0.243	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.63	0.01	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	top	1:1	0.667	1.016	0.678	0.245	0.249	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.7	13.48	-0.01	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	top	1:1	0.637	1.052	0.670	0.234	0.246	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.50	-0.01	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	top	1:1	0.629	1.047	0.659	0.229	0.240	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.47	-0.09	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	top	1:1	0.632	1.054	0.666	0.229	0.241	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.66	0.11	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	bottom	1:1	0.007	1.009	0.007	0.003	0.003	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.63	-0.20	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	bottom	1:1	0.011	1.016	0.011	0.005	0.005	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.66	0.21	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	right	1:1	0.017	1.009	0.017	0.006	0.006	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.63	-0.18	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	right	1:1	0.017	1.016	0.017	0.007	0.007	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.66	0.02	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1	0.919	1.009	0.927	0.314	0.317	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.7	13.45	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1	0.865	1.059	0.916	0.292	0.309	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.40	-0.03	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.928	1.072	0.995	0.311	0.333	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.7	13.63	-0.18	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.922	1.016	0.937	0.312	0.317	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.7	13.48	-0.20	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1	0.887	1.052	0.933	0.299	0.315	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.50	-0.01	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.930	1.047	0.974	0.311	0.326	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.7	13.47	-0.05	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	left	1:1	0.923	1.054	0.973	0.308	0.325	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	10.7	10.65	0.15	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	0.425	1.012	0.430	0.161	0.163	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	10.7	10.64	-0.03	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	0.417	1.014	0.423	0.157	0.159	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	10.7	10.65	-0.19	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.466	1.012	0.472	0.153	0.155	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	10.7	10.64	-0.14	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.468	1.014	0.464	0.149	0.151	
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Table 10-46
LTE Band 7 Ant 2A Body SAR

MEASUREMENT RESULTS																												
1 CC Uplink | 2CC Uplink	Component Carrier	FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Scaling Factor	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
		MHz	Ch.																						
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	14.6	14.35	-0.03	0	Ant 2A	DLXD100SQ8N7	QPSK	1	99	0 mm	back	1:1	1.120	1.059	**1.186**	0.413	**0.437**	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.52	0.06	0	Ant 2A	DLXD100SQ8N7	QPSK	1	99	0 mm	back	1:1	1.070	1.019	1.090	0.392	0.399	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	14.6	14.42	0.00	0	Ant 2A	DLXD100SQ8N7	QPSK	1	0	0 mm	back	1:1	1.040	1.042	1.084	0.382	0.398	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	14.6	14.46	-0.01	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	back	1:1	1.150	1.033	**1.188**	0.434	**0.448**	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.50	0.03	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	back	1:1	1.090	1.023	1.115	0.397	0.406	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	14.6	14.41	0.00	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	back	1:1	0.964	1.045	1.007	0.351	0.367	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.41	0.01	0	Ant 2A	DLXD100SQ8N7	QPSK	100	0	0 mm	back	1:1	1.040	1.045	1.087	0.380	0.397	
2 CC Uplink	PCC	2510.00	20850	Low	LTE Band 7	20	14.6	14.58	0.05	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	back	1:1	1.180	1.005	**1.186**	0.438	**0.440**	A15
2 CC Uplink	SCC	2529.80	21048	Low	LTE Band 7	20								50	0									
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.52	-0.18	0	Ant 2A	DLXD100SQ8N7	QPSK	1	99	0 mm	top	1:1	0.029	1.019	0.030	0.012	0.012	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.50	-0.03	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	top	1:1	0.031	1.023	0.032	0.013	0.013	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.52	-0.04	0	Ant 2A	DLXD100SQ8N7	QPSK	1	99	0 mm	bottom	1:1	0.646	1.019	0.658	0.202	0.206	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.50	-0.04	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	bottom	1:1	0.633	1.023	0.648	0.198	0.203	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.52	-0.03	0	Ant 2A	DLXD100SQ8N7	QPSK	1	99	0 mm	right	1:1	0.610	1.019	0.622	0.207	0.211	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.50	-0.03	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	right	1:1	0.608	1.023	0.622	0.206	0.211	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.52	-0.20	0	Ant 2A	DLXD100SQ8N7	QPSK	1	99	0 mm	left	1:1	0.006	1.019	0.006	0.002	0.002	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	14.6	14.50	-0.17	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	left	1:1	0.006	1.023	0.006	0.002	0.002	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	11.6	11.60	-0.03	0	Ant 2A	DLXD100SQ8N7	QPSK	1	0	0 mm	back	1:1	0.574	1.000	0.574	0.231	0.231	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	11.6	11.58	-0.20	0	Ant 2A	DLXD100SQ8N7	QPSK	50	0	0 mm	back	1:1	0.567	1.005	0.570	0.229	0.230	
2 CC Uplink	PCC	2510.00	20850	Low	LTE Band 7	20	14.6	14.58	-0.01	0	Ant 2A	DLXD100SQ8N7	QPSK	50	50	0 mm	back	1:1	1.170	1.005	1.176	0.472	0.474	
2 CC Uplink	SCC	2529.80	21048	Low	LTE Band 7	20								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											

Note: Blue entry represents variability measurement.

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Table 10-47
LTE Band 7 Ant 1A Body SAR

MEASUREMENT RESULTS																										
1 CC Uplink | 2CC Uplink	Component Carrier	FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Scaling Factor	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
		MHz	Ch.																							
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.71	-0.09	0	Ant 1A	DLXD100HQ8NF	QPSK	1	50	0 mm	back	1:1	1.130	1.045	1.181	0.456	0.477	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.9	13.55	-0.07	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	1.050	1.084	1.138	0.418	0.453	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.9	13.38	-0.12	0	Ant 1A	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1	1.030	1.127	1.161	0.407	0.459	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.70	-0.11	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	back	1:1	1.110	1.047	1.162	0.447	0.468	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.9	13.54	-0.13	0	Ant 1A	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	1.070	1.086	1.162	0.424	0.460	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.9	13.34	-0.12	0	Ant 1A	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1	0.998	1.138	1.136	0.397	0.452	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.69	-0.11	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1	1.130	1.050	1.187	0.456	0.479	
2 CC Uplink	PCC	2510.00	20850	Low	LTE Band 7	20	13.9	13.50	-0.18	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1	1.080	1.096	1.184	0.443	0.486	
2 CC Uplink	SCC	2529.80	21048	Low	LTE Band 7	20								100	0									
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.71	-0.12	0	Ant 1A	DLXD100HQ8NF	QPSK	1	50	0 mm	top	1:1	0.023	1.045	0.024	0.007	0.007	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.70	-0.20	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	top	1:1	0.023	1.047	0.024	0.007	0.007	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.71	0.21	0	Ant 1A	DLXD100HQ8NF	QPSK	1	50	0 mm	bottom	1:1	0.455	1.045	0.475	0.138	0.144	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.70	-0.06	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	bottom	1:1	0.456	1.047	0.477	0.137	0.143	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.71	0.21	0	Ant 1A	DLXD100HQ8NF	QPSK	1	50	0 mm	right	1:1	0.002	1.045	0.002	0.000	0.000	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.70	0.20	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	right	1:1	0.002	1.047	0.002	0.000	0.000	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.71	-0.02	0	Ant 1A	DLXD100HQ8NF	QPSK	1	50	0 mm	left	1:1	0.821	1.045	0.858	0.282	0.295	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.9	13.55	-0.01	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.733	1.084	0.795	0.249	0.270	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.9	13.38	-0.02	0	Ant 1A	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1	0.701	1.127	0.790	0.238	0.268	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.70	-0.01	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	left	1:1	0.817	1.047	0.855	0.280	0.293	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	13.9	13.54	-0.01	0	Ant 1A	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.756	1.086	0.821	0.257	0.279	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	13.9	13.34	-0.03	0	Ant 1A	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1	0.705	1.138	0.802	0.238	0.271	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	13.9	13.69	0.00	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	left	1:1	0.807	1.050	0.847	0.277	0.291	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	10.9	10.88	0.03	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	0.533	1.005	0.536	0.219	0.220	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	10.9	10.75	-0.20	0	Ant 1A	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	0.543	1.035	0.562	0.220	0.228	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	10.9	10.88	-0.06	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.351	1.005	0.353	0.126	0.127	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	10.9	10.75	-0.19	0	Ant 1A	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.360	1.035	0.373	0.129	0.134	
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 10-48
LTE Band 7 Ant 3A Body SAR

MEASUREMENT RESULTS																										
1 CC Uplink | 2CC Uplink	Component Carrier	FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g) (W/kg)	Scaling Factor	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
		MHz	Ch.																							
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	12.0	11.97	-0.07	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	back	1:1	0.361	1.007	0.364	0.154	0.155	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	12.0	11.92	-0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	50	50	0 mm	back	1:1	0.368	1.019	0.375	0.158	0.161	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	12.0	11.97	-0.04	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	top	1:1	0.288	1.007	0.290	0.091	0.092	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	12.0	11.92	-0.01	0	Ant 3A	DLXD100GQ8NF	QPSK	50	50	0 mm	top	1:1	0.301	1.019	0.307	0.095	0.097	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	12.0	11.97	-0.20	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	bottom	1:1	0.010	1.007	0.010	0.004	0.004	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	12.0	11.92	0.20	0	Ant 3A	DLXD100GQ8NF	QPSK	50	50	0 mm	bottom	1:1	0.009	1.019	0.009	0.003	0.003	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	12.0	11.73	0.02	0	Ant 3A	DLXD100GQ8NF	QPSK	1	99	0 mm	right	1:1	0.953	1.064	1.014	0.317	0.337	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	12.0	11.97	0.03	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	right	1:1	0.951	1.007	0.958	0.315	0.317	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	12.0	11.57	0.05	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	right	1:1	1.020	1.104	1.126	0.335	0.370	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	12.0	11.92	0.07	0	Ant 3A	DLXD100GQ8NF	QPSK	50	50	0 mm	right	1:1	0.957	1.019	0.975	0.317	0.323	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	12.0	11.74	0.00	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	right	1:1	0.987	1.062	1.048	0.325	0.345	
1 CC Uplink	N/A	2560.00	21350	High	LTE Band 7	20	12.0	11.52	-0.02	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	right	1:1	1.040	1.117	1.162	0.338	0.378	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	12.0	11.71	0.01	0	Ant 3A	DLXD100GQ8NF	QPSK	100	0	0 mm	right	1:1	0.942	1.069	1.007	0.312	0.334	
2 CC Uplink	PCC	2560.00	21350	High	LTE Band 7	20	12.0	11.65	-0.01	0	Ant 3A	DLXD100GQ8NF	QPSK	50	0	0 mm	right	1:1	1.030	1.084	1.117	0.335	0.363	
2 CC Uplink	SCC	2540.20	21152	High	LTE Band 7	20								50	50									
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	12.0	11.97	0.20	0	Ant 3A	DLXD100GQ8NF	QPSK	1	0	0 mm	left	1:1	0.001	1.007	0.001	0.000	0.000	
1 CC Uplink	N/A	2510.00	20850	Low	LTE Band 7	20	12.0	11.92	0.21	0	Ant 3A	DLXD100GQ8NF	QPSK	50	50	0 mm	left	1:1	0.001	1.019	0.001	0.000	0.000	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	9.0	8.98	0.01	0	Ant 3A	DLXD100GQ8NF	QPSK	1	50	0 mm	right	1:1	0.468	1.005	0.460	0.156	0.157	
1 CC Uplink	N/A	2535.00	21100	Mid	LTE Band 7	20	9.0	8.93	-0.19	0	Ant 3A	DLXD100GQ8NF	QPSK	50	50	0 mm	right	1:1	0.465	1.016	0.472	0.159	0.162	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram							

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Table 10-49
LTE Band 41 Ant 4 Body SAR

MEASUREMENT RESULTS																												
1 CC Uplink / 2CC Uplink, Power Class	Component Carrier	FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
		MHz	Ch.	LTE Band 41														(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.57	-0.04	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1.58	0.976	1.007	0.983	0.372	0.375	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.6	15.31	-0.03	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1.58	0.927	1.069	0.991	0.349	0.373	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.6	15.35	-0.06	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1.58	0.879	1.059	0.931	0.330	0.349	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.6	15.41	-0.05	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1.58	0.843	1.045	0.881	0.315	0.329	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.6	15.34	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1.58	0.819	1.062	0.870	0.306	0.325	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.53	-0.06	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1.58	0.974	1.016	0.990	0.370	0.376	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.6	15.33	-0.05	0	Ant 4	DLXD100HQ8NF	QPSK	50	25	0 mm	back	1:1.58	0.921	1.064	0.980	0.348	0.370	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.6	15.23	-0.06	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1.58	0.888	1.089	0.967	0.333	0.363	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.6	15.27	-0.07	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1.58	0.832	1.079	0.898	0.311	0.336	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.6	15.40	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1.58	0.819	1.047	0.857	0.305	0.319	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.47	-0.08	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1.58	0.953	1.030	0.982	0.362	0.373	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.57	-0.06	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	top	1:1.58	0.688	1.007	0.693	0.258	0.260	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.6	15.31	-0.08	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	top	1:1.58	0.622	1.069	0.665	0.233	0.249	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.6	15.35	-0.12	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	top	1:1.58	0.611	1.059	0.647	0.222	0.235	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.6	15.41	-0.09	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	top	1:1.58	0.593	1.045	0.620	0.212	0.222	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.6	15.34	-0.11	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	top	1:1.58	0.580	1.062	0.616	0.204	0.217	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.53	-0.05	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	top	1:1.58	0.678	1.016	0.689	0.255	0.259	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.6	15.33	-0.06	0	Ant 4	DLXD100HQ8NF	QPSK	50	25	0 mm	top	1:1.58	0.614	1.064	0.653	0.229	0.244	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.6	15.23	-0.07	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	top	1:1.58	0.586	1.089	0.638	0.215	0.234	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.6	15.27	-0.07	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	top	1:1.58	0.589	1.079	0.636	0.210	0.227	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.6	15.40	-0.07	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	top	1:1.58	0.575	1.047	0.602	0.202	0.211	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.47	-0.07	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	top	1:1.58	0.658	1.030	0.678	0.247	0.254	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.57	-0.20	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	bottom	1:1.58	0.003	1.007	0.003	0.001	0.001	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.53	-0.19	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	bottom	1:1.58	0.003	1.016	0.003	0.001	0.001	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.57	-0.10	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	right	1:1.58	0.016	1.007	0.016	0.006	0.006	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.53	-0.08	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	right	1:1.58	0.015	1.016	0.015	0.006	0.006	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.57	-0.08	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1.58	0.886	1.007	0.892	0.305	0.307	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.6	15.31	-0.08	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1.58	0.898	1.069	0.960	0.305	0.326	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.6	15.35	-0.05	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1.58	0.899	1.059	0.952	0.303	0.321	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.6	15.41	-0.04	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1.58	0.941	1.045	0.983	0.315	0.329	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.6	15.34	-0.03	0	Ant 4	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1.58	0.983	1.062	1.044	0.328	0.348	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.53	-0.05	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1.58	0.884	1.016	0.898	0.304	0.309	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.6	15.33	-0.07	0	Ant 4	DLXD100HQ8NF	QPSK	50	25	0 mm	left	1:1.58	0.896	1.064	0.953	0.304	0.323	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.6	15.23	-0.04	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1.58	0.918	1.089	1.000	0.309	0.337	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.6	15.27	-0.04	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1.58	0.943	1.079	1.017	0.315	0.340	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.6	15.40	-0.16	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1.58	1.000	1.047	1.047	0.325	0.340	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.6	15.47	-0.09	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	left	1:1.58	0.870	1.030	0.896	0.300	0.309	
1 CC Uplink - Power Class 2	N/A	2680.00	41490	High	LTE Band 41	20	15.6	15.28	0.01	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:2.31	0.668	1.076	0.719	0.213	0.229	
2 CC Uplink - Power Class 3	PCC	2680.00	41490	High	LTE Band 41	20	15.6	15.05	-0.03	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1.58	0.886	1.135	1.006	0.282	0.320	
2 CC Uplink - Power Class 3	SCC	2660.20	41292	High	LTE Band 41	20								50	50									
2 CC Uplink - Power Class 2	PCC	2680.00	41490	High	LTE Band 41	20	15.6	15.03	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:2.31	0.600	1.140	0.684	0.192	0.219	
2 CC Uplink - Power Class 2	SCC	2660.20	41292	High	LTE Band 41	20								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												

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Table 10-50
LTE Band 41 Ant 2A Body SAR

MEASUREMENT RESULTS																												
1 CC Uplink / 2CC Uplink, Power Class	Component Carrier	FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
		MHz	Ch.	LTE Band 41														(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.49	-0.09	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	back	1:1.58	0.967	1.026	0.992	0.414	0.425	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.59	-0.03	0	Ant 2A	DLXD100SQBN7	QPSK	1	0	0 mm	back	1:1.58	0.953	1.002	0.955	0.402	0.403	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	16.6	16.45	0.00	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	back	1:1.58	0.885	1.035	0.916	0.346	0.358	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	16.6	16.44	-0.02	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	back	1:1.58	0.797	1.038	0.827	0.308	0.320	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	16.6	16.53	-0.03	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	back	1:1.58	0.802	1.016	0.815	0.309	0.314	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.59	-0.07	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	back	1:1.58	1.170	1.002	1.172	0.471	0.472	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.55	-0.01	0	Ant 2A	DLXD100SQBN7	QPSK	50	50	0 mm	back	1:1.58	1.170	1.012	1.184	0.467	0.473	A16
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.60	-0.06	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	back	1:1.58	0.941	1.000	0.941	0.397	0.397	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	16.6	16.47	-0.02	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	back	1:1.58	0.917	1.030	0.945	0.359	0.370	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	16.6	16.41	-0.01	0	Ant 2A	DLXD100SQBN7	QPSK	50	25	0 mm	back	1:1.58	0.831	1.045	0.868	0.323	0.338	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	16.6	16.51	-0.05	0	Ant 2A	DLXD100SQBN7	QPSK	50	50	0 mm	back	1:1.58	0.816	1.021	0.833	0.313	0.320	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.58	-0.04	0	Ant 2A	DLXD100SQBN7	QPSK	100	0	0 mm	back	1:1.58	0.903	1.005	0.908	0.381	0.383	
1 CC Uplink - Power Class 2	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.27	0.05	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	back	1:2.31	0.721	1.079	0.778	0.280	0.302	
1 CC Uplink - Power Class 2	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.25	0.06	0	Ant 2A	DLXD100SQBN7	QPSK	50	50	0 mm	back	1:2.31	0.693	1.084	0.751	0.274	0.297	
2 CC Uplink - Power Class 3	PCC	2506.00	39750	Low	LTE Band 41	20	16.6	16.18	0.00	0	Ant 2A	DLXD100SQBN7	QPSK	50	50	0 mm	back	1:1.58	1.030	1.102	1.135	0.416	0.458	
2 CC Uplink - Power Class 3	SCC	2525.80	39948	Low	LTE Band 41	20								50	0									
2 CC Uplink - Power Class 2	PCC	2506.00	39750	Low	LTE Band 41	20	16.6	15.98	0.00	0	Ant 2A	DLXD100SQBN7	QPSK	50	50	0 mm	back	1:2.31	0.664	1.153	0.766	0.243	0.280	
2 CC Uplink - Power Class 2	SCC	2525.80	39948	Low	LTE Band 41	20								50	0									
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.59	0.13	0	Ant 2A	DLXD100SQBN7	QPSK	1	0	0 mm	top	1:1.58	0.040	1.002	0.040	0.016	0.016	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.60	-0.03	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	top	1:1.58	0.038	1.000	0.038	0.015	0.015	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.49	-0.07	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	bottom	1:1.58	0.756	1.026	0.776	0.239	0.245	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.59	0.01	0	Ant 2A	DLXD100SQBN7	QPSK	1	0	0 mm	bottom	1:1.58	0.752	1.002	0.754	0.240	0.240	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	16.6	16.45	0.00	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	bottom	1:1.58	0.688	1.035	0.712	0.214	0.221	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	16.6	16.44	-0.05	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	bottom	1:1.58	0.606	1.038	0.629	0.186	0.193	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	16.6	16.53	-0.07	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	bottom	1:1.58	0.547	1.016	0.556	0.156	0.158	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.59	-0.01	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	bottom	1:1.58	0.748	1.002	0.749	0.236	0.236	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.60	-0.04	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	bottom	1:1.58	0.748	1.000	0.748	0.238	0.238	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	16.6	16.47	-0.03	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	bottom	1:1.58	0.696	1.030	0.717	0.218	0.225	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	16.6	16.41	-0.07	0	Ant 2A	DLXD100SQBN7	QPSK	50	25	0 mm	bottom	1:1.58	0.636	1.045	0.665	0.193	0.202	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	16.6	16.51	-0.03	0	Ant 2A	DLXD100SQBN7	QPSK	50	50	0 mm	bottom	1:1.58	0.553	1.021	0.565	0.159	0.162	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.58	-0.04	0	Ant 2A	DLXD100SQBN7	QPSK	100	0	0 mm	bottom	1:1.58	0.743	1.005	0.747	0.236	0.237	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.49	0.00	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	right	1:1.58	0.720	1.026	0.739	0.244	0.250	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.59	-0.04	0	Ant 2A	DLXD100SQBN7	QPSK	1	0	0 mm	right	1:1.58	0.717	1.002	0.718	0.240	0.240	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	16.6	16.45	-0.03	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	right	1:1.58	0.673	1.035	0.697	0.225	0.233	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	16.6	16.44	-0.02	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	right	1:1.58	0.600	1.038	0.623	0.196	0.203	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	16.6	16.53	-0.01	0	Ant 2A	DLXD100SQBN7	QPSK	1	99	0 mm	right	1:1.58	0.564	1.016	0.573	0.181	0.184	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	16.6	16.59	0.00	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	right	1:1.58	0.726	1.002	0.727	0.246	0.246	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.60	-0.01	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	right	1:1.58	0.718	1.000	0.718	0.241	0.241	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	16.6	16.47	-0.02	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	right	1:1.58	0.697	1.030	0.718	0.232	0.239	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	16.6	16.41	-0.03	0	Ant 2A	DLXD100SQBN7	QPSK	50	25	0 mm	right	1:1.58	0.607	1.045	0.634	0.198	0.207	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	16.6	16.51	-0.01	0	Ant 2A	DLXD100SQBN7	QPSK	50	50	0 mm	right	1:1.58	0.563	1.021	0.575	0.182	0.186	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.58	-0.04	0	Ant 2A	DLXD100SQBN7	QPSK	100	0	0 mm	right	1:1.58	0.725	1.005	0.729	0.242	0.243	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.59	0.21	0	Ant 2A	DLXD100SQBN7	QPSK	1	0	0 mm	left	1:1.58	0.003	1.002	0.003	0.001	0.001	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	16.6	16.60	-0.20	0	Ant 2A	DLXD100SQBN7	QPSK	50	0	0 mm	left	1:1.58	0.003	1.000	0.003	0.001	0.001	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																Body 1.6 W/kg (mW/g) averaged over 1 gram								

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Table 10-51
LTE Band 41 Ant 1A Body SAR

MEASUREMENT RESULTS																												
1 CC Uplink) 2CC Uplink, Power Class	Component Carrier	FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
		MHz	Ch.	LTE Band 41														(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.0	14.95	-0.07	0	Ant 1A	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1.58	0.978	1.012	0.990	0.415	0.420	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.0	14.91	0.20	0	Ant 1A	DLXD100HQ8NF	QPSK	1	50	0 mm	back	1:1.58	0.934	1.021	0.954	0.392	0.400	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.0	14.80	-0.05	0	Ant 1A	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1.58	0.841	1.047	0.881	0.351	0.367	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.0	14.92	-0.04	0	Ant 1A	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1.58	0.858	1.019	0.874	0.353	0.360	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	-0.08	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1.58	1.100	1.009	1.110	0.457	0.461	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.0	14.85	-0.06	0	Ant 1A	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1.58	1.010	1.035	1.045	0.429	0.444	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.0	14.83	-0.05	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	back	1:1.58	0.950	1.040	0.988	0.397	0.413	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.0	14.77	-0.07	0	Ant 1A	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1.58	0.857	1.054	0.903	0.355	0.374	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.0	14.90	-0.08	0	Ant 1A	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1.58	0.865	1.023	0.885	0.355	0.363	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	-0.11	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	back	1:1.58	1.100	1.009	1.110	0.452	0.456	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.92	-0.09	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1.58	1.100	1.019	1.121	0.459	0.468	
1 CC Uplink - Power Class 2	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.99	-0.03	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:2.31	0.716	1.002	0.717	0.281	0.282	
2 CC Uplink - Power Class 3	PCC	2680.00	41490	High	LTE Band 41	20	15.0	14.70	-0.20	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1.58	1.000	1.072	1.072	0.389	0.417	
2 CC Uplink - Power Class 3	SCC	2660.20	41292	High	LTE Band 41	20								100	0									
2 CC Uplink - Power Class 2	PCC	2680.00	41490	High	LTE Band 41	20	15.0	14.15	0.03	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:2.31	0.562	1.216	0.683	0.229	0.278	
2 CC Uplink - Power Class 2	SCC	2660.20	41292	High	LTE Band 41	20								100	0									
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	0.20	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	top	1:1.58	0.014	1.009	0.014	0.005	0.005	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	-0.19	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	top	1:1.58	0.014	1.009	0.014	0.005	0.005	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	-0.05	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	bottom	1:1.58	0.459	1.009	0.463	0.129	0.130	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	-0.02	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	bottom	1:1.58	0.452	1.009	0.456	0.128	0.129	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	0.21	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	right	1:1.58	0.000	1.009	0.000	0.000	0.000	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	0.20	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	right	1:1.58	0.000	1.009	0.000	0.000	0.000	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.0	14.95	0.04	0	Ant 1A	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1.58	0.762	1.012	0.771	0.262	0.265	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.0	14.91	-0.01	0	Ant 1A	DLXD100HQ8NF	QPSK	1	50	0 mm	left	1:1.58	0.683	1.021	0.697	0.232	0.237	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.0	14.80	-0.02	0	Ant 1A	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1.58	0.665	1.047	0.696	0.222	0.232	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.0	14.92	-0.03	0	Ant 1A	DLXD100HQ8NF	QPSK	1	0	0 mm	left	1:1.58	0.723	1.019	0.737	0.239	0.244	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	-0.05	0	Ant 1A	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1.58	0.885	1.009	0.893	0.287	0.290	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	15.0	14.85	-0.03	0	Ant 1A	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1.58	0.748	1.035	0.774	0.258	0.267	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	15.0	14.83	-0.01	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	left	1:1.58	0.691	1.040	0.719	0.234	0.243	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	15.0	14.77	0.00	0	Ant 1A	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1.58	0.659	1.054	0.695	0.219	0.231	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	15.0	14.90	-0.02	0	Ant 1A	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1.58	0.744	1.023	0.761	0.246	0.252	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.96	-0.01	0	Ant 1A	DLXD100HQ8NF	QPSK	50	25	0 mm	left	1:1.58	0.883	1.009	0.891	0.286	0.289	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.92	0.00	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	left	1:1.58	0.887	1.019	0.904	0.285	0.290	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	15.0	14.92	-0.06	0	Ant 1A	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1.58	1.090	1.019	1.111	0.445	0.453	
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 10-52
LTE Band 41 Ant 3A Body SAR

MEASUREMENT RESULTS																												
1 CC Uplink) 2CC Uplink, Power Class	Component Carrier	FREQUENCY		Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
		MHz	Ch.	LTE Band 41														(W/kg)		(W/kg)	(W/kg)	(W/kg)	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.97	-0.04	0	Ant 3A	DLXD100SQ8N7	QPSK	1	0	0 mm	back	1:1.58	0.393	1.054	0.414	0.167	0.176	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.90	-0.01	0	Ant 3A	DLXD100SQ8N7	QPSK	50	0	0 mm	back	1:1.58	0.391	1.072	0.419	0.166	0.178	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.97	-0.04	0	Ant 3A	DLXD100SQ8N7	QPSK	1	0	0 mm	top	1:1.58	0.306	1.054	0.323	0.093	0.098	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.90	0.01	0	Ant 3A	DLXD100SQ8N7	QPSK	50	0	0 mm	top	1:1.58	0.307	1.072	0.329	0.093	0.100	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.97	-0.20	0	Ant 3A	DLXD100SQ8N7	QPSK	1	0	0 mm	bottom	1:1.58	0.006	1.054	0.006	0.002	0.002	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.90	-0.21	0	Ant 3A	DLXD100SQ8N7	QPSK	50	0	0 mm	bottom	1:1.58	0.005	1.072	0.005	0.001	0.001	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.97	-0.02	0	Ant 3A	DLXD100SQ8N7	QPSK	1	0	0 mm	right	1:1.58	0.886	1.054	0.934	0.306	0.323	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	14.2	13.75	-0.02	0	Ant 3A	DLXD100SQ8N7	QPSK	1	50	0 mm	right	1:1.58	0.907	1.109	1.006	0.309	0.343	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	14.2	13.73	0.04	0	Ant 3A	DLXD100SQ8N7	QPSK	1	99	0 mm	right	1:1.58	0.981	1.114	1.093	0.329	0.367	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	14.2	13.72	-0.09	0	Ant 3A	DLXD100SQ8N7	QPSK	1	0	0 mm	right	1:1.58	0.941	1.117	1.051	0.313	0.350	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	14.2	13.61	-0.01	0	Ant 3A	DLXD100SQ8N7	QPSK	1	0	0 mm	right	1:1.58	0.922	1.146	1.057	0.304	0.348	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.90	-0.02	0	Ant 3A	DLXD100SQ8N7	QPSK	50	0	0 mm	right	1:1.58	0.841	1.072	0.902	0.290	0.311	
1 CC Uplink - Power Class 3	N/A	2549.50	40185	Low-Mid	LTE Band 41	20	14.2	13.77	-0.01	0	Ant 3A	DLXD100SQ8N7	QPSK	50	25	0 mm	right	1:1.58	0.922	1.104	1.018	0.314	0.347	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	14.2	13.84	0.00	0	Ant 3A	DLXD100SQ8N7	QPSK	50	50	0 mm	right	1:1.58	0.963	1.086	1.046	0.323	0.351	
1 CC Uplink - Power Class 3	N/A	2636.50	41055	Mid-High	LTE Band 41	20	14.2	13.70	0.00	0	Ant 3A	DLXD100SQ8N7	QPSK	50	0	0 mm	right	1:1.58	0.968	1.122	1.084	0.322	0.361	
1 CC Uplink - Power Class 3	N/A	2680.00	41490	High	LTE Band 41	20	14.2	13.65	-0.04	0	Ant 3A	DLXD100SQ8N7	QPSK	50	0	0 mm	right	1:1.58	0.910	1.135	1.033	0.298	0.338	
1 CC Uplink - Power Class 3	N/A	2593.00	40620	Mid	LTE Band 41	20	14.2	13.81	0.00	0	Ant 3A	DLXD100SQ8N7	QPSK	100	0	0 mm	right	1:1.58	0.959	1.094	1.049	0.323	0.353	
1 CC Uplink - Power Class 2	N/A	2593.00	40620	Mid	LTE Band 41	20	14.2	13.98	-0.01	0	Ant 3A	DLXD100SQ8N7	QPSK	1	99	0 mm	right	1:2.31	0.644	1.052	0.677	0.216	0.227	
2 CC Uplink - Power Class 3	PCC	2593.00	40620	Mid	LTE Band 41	20	14.2	13.55	-0.03	0	Ant 3A	DLXD100SQ8N7	QPSK	1	99	0 mm	right	1:1.58	0.901	1.161	1.046	0.299	0.347	
2 CC Uplink - Power Class 3	SCC	2612.80	40818	Mid	LTE Band 41	20								1	0									
2 CC Uplink - Power Class 2	PCC	2593.00	40620	Mid	LTE Band 41	20	14.2	13.46	-0.03	0	Ant 3A	DLXD100SQ8N7	QPSK	1	99	0 mm	right	1:2.31	0.596	1.186	0.703	0.197	0.234	
2 CC Uplink - Power Class 2	SCC	2612.80	40818	Mid	LTE Band 41	20								1	0									
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.97	-0.20	0	Ant 3A	DLXD100SQ8N7	QPSK	1	0	0 mm	left	1:1.58	0.000	1.054	0.000	0.000	0.000	
1 CC Uplink - Power Class 3	N/A	2506.00	39750	Low	LTE Band 41	20	14.2	13.90	-0.21	0	Ant 3A	DLXD100SQ8N7	QPSK	50	0	0 mm	left	1:1.58	0.000	1.072	0.000	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											

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Table 10-53
LTE Band 48 Ant 4 Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.		LTE Band 41														(W/kg)		(W/kg)	(W/kg)	(W/kg)	
3560.00	55340	Low	LTE Band 48	20	16.5	16.38	-0.01	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	0.939	1.028	0.965	0.278	0.286	
3603.30	55773	Low-Mid	LTE Band 48	20	16.5	16.44	0.00	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	0.985	1.014	0.999	0.291	0.295	
3646.70	56207	Mid-High	LTE Band 48	20	16.5	16.50	0.10	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	1.000	1.000	1.000	0.294	0.294	
3690.00	56640	High	LTE Band 48	20	16.5	16.30	0.10	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	1.040	1.047	1.089	0.298	0.312	A17
3560.00	55340	Low	LTE Band 48	20	16.5	16.45	0.04	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1	0.978	1.012	0.990	0.292	0.296	
3603.30	55773	Low-Mid	LTE Band 48	20	16.5	16.23	0.08	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	0.923	1.064	0.982	0.271	0.288	
3646.70	56207	Mid-High	LTE Band 48	20	16.5	16.34	0.04	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	0.970	1.038	1.007	0.282	0.293	
3690.00	56640	High	LTE Band 48	20	16.5	16.17	0.01	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	1.010	1.079	1.090	0.292	0.315	
3560.00	55340	Low	LTE Band 48	20	16.5	16.42	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1	0.988	1.019	1.007	0.296	0.302	
3646.70	56207	Mid-High	LTE Band 48	20	16.5	16.50	0.02	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	top	1:1	0.277	1.000	0.277	0.076	0.076	
3560.00	55340	Low	LTE Band 48	20	16.5	16.45	-0.01	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	top	1:1	0.281	1.012	0.284	0.080	0.081	
3646.70	56207	Mid-High	LTE Band 48	20	16.5	16.50	0.20	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	bottom	1:1	0.000	1.000	0.000	0.000	0.000	
3560.00	55340	Low	LTE Band 48	20	16.5	16.45	0.20	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	bottom	1:1	0.000	1.012	0.000	0.000	0.000	
3646.70	56207	Mid-High	LTE Band 48	20	16.5	16.50	0.20	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	right	1:1	0.000	1.000	0.000	0.000	0.000	
3560.00	55340	Low	LTE Band 48	20	16.5	16.45	0.20	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	right	1:1	0.000	1.012	0.000	0.000	0.000	
3560.00	55340	Low	LTE Band 48	20	16.5	16.38	0.00	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.517	1.028	0.531	0.139	0.143	
3603.30	55773	Low-Mid	LTE Band 48	20	16.5	16.44	0.02	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.591	1.014	0.599	0.160	0.162	
3646.70	56207	Mid-High	LTE Band 48	20	16.5	16.50	-0.03	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.631	1.000	0.631	0.166	0.166	
3690.00	56640	High	LTE Band 48	20	16.5	16.30	-0.05	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.612	1.047	0.641	0.163	0.171	
3560.00	55340	Low	LTE Band 48	20	16.5	16.45	-0.02	0	Ant 4	DLXD100HQ8NF	QPSK	50	0	0 mm	left	1:1	0.510	1.012	0.516	0.136	0.138	
3603.30	55773	Low-Mid	LTE Band 48	20	16.5	16.23	0.02	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.563	1.064	0.599	0.152	0.162	
3646.70	56207	Mid-High	LTE Band 48	20	16.5	16.34	0.01	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.593	1.038	0.616	0.159	0.165	
3690.00	56640	High	LTE Band 48	20	16.5	16.17	-0.03	0	Ant 4	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.593	1.079	0.640	0.160	0.173	
3560.00	55340	Low	LTE Band 48	20	16.5	16.42	0.00	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	left	1:1	0.517	1.019	0.527	0.142	0.145	
3560.00	55340	Low	LTE Band 48	20	16.5	16.42	0.00	0	Ant 4	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1	0.975	1.019	0.994	0.289	0.294	
3690.00	56640	High	LTE Band 48	20	16.5	16.30	0.01	0	Ant 4	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	1.010	1.047	1.057	0.295	0.309	
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 10-54
LTE Band 48 Ant 3B Body SAR

MEASUREMENT RESULTS																									
FREQUENCY			Mode	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	MPR [dB]	Antenna Config.	Device Serial Number	Modulation	RB Size	RB Offset	Spacing	Side	Duty Cycle	SAR (1g)	Scaling Factor	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.		LTE Band 41														(W/kg)		(W/kg)	(W/kg)	(W/kg)	
3560.00	55340	Low	LTE Band 48	20	16.2	15.56	-0.20	0	Ant 3B	DLXD100HQ8NF	QPSK	1	50	0 mm	back	1:1	0.975	1.159	1.130	0.263	0.305	
3603.30	55773	Low-Mid	LTE Band 48	20	16.2	15.54	-0.20	0	Ant 3B	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	0.881	1.164	1.025	0.239	0.278	
3646.70	56207	Mid-High	LTE Band 48	20	16.2	15.63	0.19	0	Ant 3B	DLXD100HQ8NF	QPSK	1	0	0 mm	back	1:1	0.860	1.140	0.980	0.233	0.266	
3690.00	56640	High	LTE Band 48	20	16.2	15.64	0.21	0	Ant 3B	DLXD100HQ8NF	QPSK	1	99	0 mm	back	1:1	0.812	1.138	0.924	0.225	0.256	
3560.00	55340	Low	LTE Band 48	20	16.2	15.54	0.20	0	Ant 3B	DLXD100HQ8NF	QPSK	50	0	0 mm	back	1:1	0.973	1.164	1.133	0.263	0.306	
3603.30	55773	Low-Mid	LTE Band 48	20	16.2	15.38	0.20	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	0.873	1.208	1.055	0.235	0.284	
3646.70	56207	Mid-High	LTE Band 48	20	16.2	15.40	0.19	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	0.803	1.202	0.965	0.217	0.261	
3690.00	56640	High	LTE Band 48	20	16.2	15.55	0.19	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	back	1:1	0.806	1.161	0.936	0.220	0.255	
3560.00	55340	Low	LTE Band 48	20	16.2	15.53	0.10	0	Ant 3B	DLXD100HQ8NF	QPSK	100	0	0 mm	back	1:1	0.974	1.167	1.137	0.267	0.312	
3560.00	55340	Low	LTE Band 48	20	16.2	15.56	-0.17	0	Ant 3B	DLXD100HQ8NF	QPSK	1	50	0 mm	top	1:1	0.859	1.159	0.996	0.244	0.283	
3603.30	55773	Low-Mid	LTE Band 48	20	16.2	15.54	-0.17	0	Ant 3B	DLXD100HQ8NF	QPSK	1	99	0 mm	top	1:1	0.801	1.164	0.932	0.228	0.265	
3646.70	56207	Mid-High	LTE Band 48	20	16.2	15.63	-0.02	0	Ant 3B	DLXD100HQ8NF	QPSK	1	0	0 mm	top	1:1	0.675	1.140	0.770	0.197	0.225	
3690.00	56640	High	LTE Band 48	20	16.2	15.64	-0.19	0	Ant 3B	DLXD100HQ8NF	QPSK	1	99	0 mm	top	1:1	0.751	1.138	0.855	0.209	0.238	
3560.00	55340	Low	LTE Band 48	20	16.2	15.54	-0.15	0	Ant 3B	DLXD100HQ8NF	QPSK	50	0	0 mm	top	1:1	0.869	1.164	1.012	0.246	0.286	
3603.30	55773	Low-Mid	LTE Band 48	20	16.2	15.38	-0.14	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	top	1:1	0.744	1.208	0.899	0.210	0.254	
3646.70	56207	Mid-High	LTE Band 48	20	16.2	15.40	-0.06	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	top	1:1	0.636	1.202	0.764	0.186	0.224	
3690.00	56640	High	LTE Band 48	20	16.2	15.55	-0.19	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	top	1:1	0.741	1.161	0.860	0.206	0.239	
3560.00	55340	Low	LTE Band 48	20	16.2	15.53	-0.16	0	Ant 3B	DLXD100HQ8NF	QPSK	100	0	0 mm	top	1:1	0.887	1.167	1.035	0.252	0.294	
3690.00	56640	High	LTE Band 48	20	16.2	15.64	0.21	0	Ant 3B	DLXD100HQ8NF	QPSK	1	99	0 mm	bottom	1:1	0.000	1.138	0.000	0.000	0.000	
3690.00	56640	High	LTE Band 48	20	16.2	15.55	0.21	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	bottom	1:1	0.000	1.161	0.000	0.000	0.000	
3690.00	56640	High	LTE Band 48	20	16.2	15.64	0.20	0	Ant 3B	DLXD100HQ8NF	QPSK	1	99	0 mm	right	1:1	0.065	1.138	0.074	0.015	0.017	
3690.00	56640	High	LTE Band 48	20	16.2	15.55	-0.07	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	right	1:1	0.063	1.161	0.073	0.014	0.016	
3690.00	56640	High	LTE Band 48	20	16.2	15.64	0.20	0	Ant 3B	DLXD100HQ8NF	QPSK	1	99	0 mm	left	1:1	0.014	1.138	0.016	0.002	0.002	
3690.00	56640	High	LTE Band 48	20	16.2	15.55	0.21	0	Ant 3B	DLXD100HQ8NF	QPSK	50	50	0 mm	left	1:1	0.012	1.161	0.014	0.002	0.002	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population																	Body 1.6 W/kg (mW/g) averaged over 1 gram					

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Table 10-55
2.4 GHz WLAN Ant 3A Body SAR

MEASUREMENT RESULTS																							
FREQUENCY		Mode	Service	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g)	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.														(W/kg)			(W/kg)	(W/kg)	(W/kg)	
2437	6	802.11b	DSSS	22	13.00	11.59	0.06	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	back	100.0	0.332	1.384	1.000	0.459	0.148	0.205	
2437	6	802.11b	DSSS	22	13.00	11.59	0.07	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	top	100.0	0.291	1.384	1.000	0.403	0.090	0.125	
2437	6	802.11b	DSSS	22	13.00	11.59	0.20	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	bottom	100.0	0.001	1.384	1.000	0.001	0.000	0.000	
2412	1	802.11b	DSSS	22	13.00	11.44	0.09	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	right	100.0	0.618	1.432	1.000	0.885	0.219	0.314	
2437	6	802.11b	DSSS	22	13.00	11.59	0.07	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	right	100.0	0.717	1.384	1.000	0.992	0.251	0.347	
2462	11	802.11b	DSSS	22	13.00	11.49	0.03	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	right	100.0	0.728	1.416	1.000	1.031	0.255	0.361	
2462	11	802.11b	DSSS	22	13.00	11.28	-0.02	0 mm	Ant 3A	V1	DLXD100QQ8N7	1	right	100.0	0.628	1.486	1.000	0.933	0.223	0.331	
2437	6	802.11b	DSSS	22	13.00	11.59	0.20	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	left	100.0	0.000	1.384	1.000	0.000	0.000	0.000	
2437	6	802.11b	DSSS	22	6.00	5.97	-0.05	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	back	100.0	0.086	1.007	1.000	0.087	0.036	0.036	
2437	6	802.11b	DSSS	22	6.00	5.97	0.04	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	top	100.0	0.073	1.007	1.000	0.074	0.020	0.020	
2437	6	802.11b	DSSS	22	6.00	5.97	0.10	0 mm	Ant 3A	V2	DLXD100GQ8NF	1	right	100.0	0.186	1.007	1.000	0.187	0.064	0.064	
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 10-56
2.4 GHz WLAN Ant 1A Body SAR

MEASUREMENT RESULTS																							
FREQUENCY		Mode	Service	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g)	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.														(W/kg)			(W/kg)	(W/kg)	(W/kg)	
2412	1	802.11b	DSSS	22	13.75	12.18	0.09	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	back	100.0	0.652	1.435	1.000	0.936	0.292	0.419	
2437	6	802.11b	DSSS	22	13.75	12.28	-0.11	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	back	100.0	0.837	1.403	1.000	**1.174**	0.372	**0.522**	A18
2437	6	802.11b	DSSS	22	13.75	12.35	-0.06	0 mm	Ant 1A	V2	DLXD100KQ8NF	1	back	100.0	0.772	1.380	1.000	1.065	0.334	0.461	
2462	11	802.11b	DSSS	22	13.75	12.19	0.04	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	back	100.0	0.691	1.432	1.000	0.990	0.300	0.430	
2437	6	802.11b	DSSS	22	13.75	12.28	0.20	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	top	100.0	0.006	1.403	1.000	0.008	0.002	0.003	
2437	6	802.11b	DSSS	22	13.75	12.28	0.02	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	bottom	100.0	0.339	1.403	1.000	0.476	0.104	0.146	
2437	6	802.11b	DSSS	22	13.75	12.28	0.10	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	right	100.0	0.000	1.403	1.000	0.000	0.000	0.000	
2412	1	802.11b	DSSS	22	13.75	12.18	-0.03	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	left	100.0	0.590	1.435	1.000	0.847	0.209	0.300	
2437	6	802.11b	DSSS	22	13.75	12.28	-0.04	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	left	100.0	0.785	1.403	1.000	1.101	0.276	0.387	
2462	11	802.11b	DSSS	22	13.75	12.19	-0.03	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	left	100.0	0.641	1.432	1.000	0.918	0.221	0.316	
2462	11	802.11b	DSSS	22	6.75	6.63	-0.06	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	back	100.0	0.131	1.028	1.000	0.135	0.056	0.058	
2462	11	802.11b	DSSS	22	6.75	6.63	0.15	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	bottom	100.0	0.060	1.028	1.000	0.062	0.017	0.017	
2462	11	802.11b	DSSS	22	6.75	6.63	-0.11	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	left	100.0	0.126	1.028	1.000	0.130	0.042	0.043	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population															Body 1.6 W/kg (mW/g) averaged over 1 gram						

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Table 10-57
5 GHz WLAN Ant 2B Body SAR

MEASUREMENT RESULTS																						
FREQUENCY		Mode	Service	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g)	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g)	SAR (10g)	Reported SAR (10g)	Plot #
MHz	Ch.														(W/kg)			(W/kg)	(W/kg)	(W/kg)	
5290	58	802.11ac	OFDM	80	11.50	10.60	-0.19	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	back	95.4	0.902	1.230	1.048	1.163	0.280	0.361	
5290	58	802.11ac	OFDM	80	11.50	10.51	-0.14	0 mm	Ant 2B	V2	DLXD100KQ8NF	29.3	back	95.4	0.827	1.256	1.048	1.089	0.249	0.328	
5290	58	802.11ac	OFDM	80	11.50	10.60	0.20	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	top	95.4	0.000	1.230	1.048	0.000	0.000	0.000	
5290	58	802.11ac	OFDM	80	11.50	10.60	0.20	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	bottom	95.4	0.727	1.230	1.048	0.937	0.172	0.222	
5290	58	802.11ac	OFDM	80	11.50	10.60	0.10	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	right	95.4	0.042	1.230	1.048	0.054	0.010	0.013	
5290	58	802.11ac	OFDM	80	11.50	10.60	0.19	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	left	95.4	0.005	1.230	1.048	0.006	0.001	0.001	
5290	58	802.11ac	OFDM	80	4.50	4.44	0.20	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	back	95.4	0.162	1.014	1.048	0.172	0.047	0.050	
5290	58	802.11ac	OFDM	80	4.50	4.44	0.00	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	bottom	95.4	0.114	1.014	1.048	0.121	0.024	0.026	
5530	106	802.11ac	OFDM	80	10.25	10.12	0.19	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	back	95.4	0.919	1.030	1.048	0.992	0.276	0.298	
5610	122	802.11ac	OFDM	80	10.25	10.21	0.20	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	back	95.4	1.080	1.009	1.048	1.142	0.316	0.334	A19
5610	122	802.11ac	OFDM	80	10.25	10.17	0.10	0 mm	Ant 2B	V1	DLXD100QQ8N7	29.3	back	95.4	1.020	1.019	1.048	1.089	0.305	0.326	
5690	138	802.11ac	OFDM	80	10.25	10.18	-0.03	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	back	95.4	1.050	1.016	1.048	1.118	0.315	0.335	
5610	122	802.11ac	OFDM	80	10.25	10.21	0.20	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	top	95.4	0.000	1.009	1.048	0.000	0.000	0.000	
5610	122	802.11ac	OFDM	80	10.25	10.21	-0.05	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	bottom	95.4	0.672	1.009	1.048	0.711	0.157	0.166	
5610	122	802.11ac	OFDM	80	10.25	10.21	-0.20	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	right	95.4	0.054	1.009	1.048	0.057	0.011	0.012	
5610	122	802.11ac	OFDM	80	10.25	10.21	0.19	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	left	95.4	0.004	1.009	1.048	0.004	0.000	0.000	
5610	122	802.11ac	OFDM	80	3.25	2.67	0.00	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	back	95.4	0.153	1.143	1.048	0.183	0.045	0.054	
5610	122	802.11ac	OFDM	80	3.25	2.67	0.16	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	bottom	95.4	0.128	1.143	1.048	0.153	0.028	0.034	
5775	155	802.11ac	OFDM	80	9.75	9.38	0.20	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	back	95.4	1.030	1.089	1.048	1.176	0.282	0.322	
5775	155	802.11ac	OFDM	80	9.75	9.32	0.06	0 mm	Ant 2B	V2	DLXD100KQ8NF	29.3	back	95.4	0.891	1.104	1.048	1.031	0.245	0.283	
5775	155	802.11ac	OFDM	80	9.75	9.38	0.13	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	top	95.4	0.000	1.089	1.048	0.000	0.000	0.000	
5775	155	802.11ac	OFDM	80	9.75	9.38	-0.09	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	bottom	95.4	0.574	1.089	1.048	0.655	0.134	0.153	
5775	155	802.11ac	OFDM	80	9.75	9.38	0.21	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	right	95.4	0.030	1.089	1.048	0.034	0.006	0.007	
5775	155	802.11ac	OFDM	80	9.75	9.38	-0.19	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	left	95.4	0.004	1.089	1.048	0.005	0.001	0.001	
5775	155	802.11ac	OFDM	80	2.75	2.32	0.20	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	back	95.4	0.162	1.104	1.048	0.187	0.041	0.047	
5775	155	802.11ac	OFDM	80	2.75	2.32	0.20	0 mm	Ant 2B	V1	DLXD100SQ8N7	29.3	bottom	95.4	0.090	1.104	1.048	0.104	0.019	0.022	
5610	122	802.11ac	OFDM	80	10.25	10.21	0.20	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	back	95.4	0.945	1.009	1.048	0.999	0.278	0.294	
5690	138	802.11ac	OFDM	80	10.25	10.18	0.18	0 mm	Ant 2B	V2	DLXD100HQ8NF	29.3	back	95.4	1.040	1.016	1.048	1.107	0.324	0.345	
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.

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Table 10-58
5 GHz WLAN Ant 2A Body SAR

MEASUREMENT RESULTS																							
FREQUENCY		Mode	Service	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g) (W/kg)	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																				
5210	42	802.11ac	OFDM	80	10.50	9.53	0.20	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	back	95.5	0.907	1.250	1.047	**1.187**	0.224	**0.293**	
5210	42	802.11ac	OFDM	80	10.50	9.40	-0.17	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	back	96.0	0.872	1.288	1.042	1.170	0.217	0.291	
5210	42	802.11ac	OFDM	80	10.50	9.53	-0.19	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	top	95.5	0.010	1.250	1.047	0.013	0.002	0.003	
5210	42	802.11ac	OFDM	80	10.50	9.53	0.20	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	bottom	95.5	0.105	1.250	1.047	0.137	0.029	0.038	
5210	42	802.11ac	OFDM	80	10.50	9.53	0.15	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	right	95.5	0.118	1.250	1.047	0.154	0.026	0.034	
5210	42	802.11ac	OFDM	80	10.50	9.53	0.18	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	left	95.5	0.000	1.250	1.047	0.000	0.000	0.000	
5210	42	802.11ac	OFDM	80	3.50	2.51	-0.06	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	back	95.5	0.147	1.256	1.047	0.193	0.034	0.045	
5210	42	802.11ac	OFDM	80	3.50	2.51	0.20	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	bottom	95.5	0.011	1.256	1.047	0.014	0.003	0.004	
5210	42	802.11ac	OFDM	80	3.50	2.51	0.20	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	right	95.5	0.037	1.256	1.047	0.049	0.009	0.012	
5530	106	802.11ac	OFDM	80	10.75	9.16	0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	back	96.0	0.573	1.442	1.042	0.861	0.162	0.243	
5610	122	802.11ac	OFDM	80	10.75	9.19	0.19	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	back	96.0	0.757	1.432	1.042	1.130	0.202	0.301	
5610	122	802.11ac	OFDM	80	10.75	9.01	0.14	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	back	95.5	0.666	1.493	1.047	1.041	0.176	0.275	
5690	138	802.11ac	OFDM	80	10.75	8.96	0.19	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	back	96.0	0.564	1.510	1.042	0.887	0.141	0.222	
5610	122	802.11ac	OFDM	80	10.75	9.19	0.16	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	top	96.0	0.009	1.432	1.042	0.013	0.002	0.003	
5610	122	802.11ac	OFDM	80	10.75	9.19	-0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	bottom	96.0	0.119	1.432	1.042	0.178	0.035	0.052	
5610	122	802.11ac	OFDM	80	10.75	9.19	0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	right	96.0	0.156	1.432	1.042	0.233	0.037	0.055	
5610	122	802.11ac	OFDM	80	10.75	9.19	0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	left	96.0	0.000	1.432	1.042	0.000	0.000	0.000	
5610	122	802.11ac	OFDM	80	3.75	3.64	0.16	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	back	96.0	0.167	1.026	1.042	0.179	0.041	0.044	
5610	122	802.11ac	OFDM	80	3.75	3.64	0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	bottom	96.0	0.024	1.026	1.042	0.026	0.007	0.007	
5610	122	802.11ac	OFDM	80	3.75	3.64	0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	right	96.0	0.041	1.026	1.042	0.044	0.009	0.010	
5775	155	802.11ac	OFDM	80	11.25	10.18	0.19	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	back	96.0	0.869	1.279	1.042	1.158	0.221	0.295	
5775	155	802.11ac	OFDM	80	11.25	10.20	0.20	0 mm	Ant 2A	V2	DLXD100GQ8NF	29.3	back	95.5	0.750	1.274	1.047	1.000	0.196	0.261	
5775	155	802.11ac	OFDM	80	11.25	10.18	0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	top	96.0	0.000	1.279	1.042	0.000	0.000	0.000	
5775	155	802.11ac	OFDM	80	11.25	10.18	0.02	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	bottom	96.0	0.108	1.279	1.042	0.144	0.030	0.040	
5775	155	802.11ac	OFDM	80	11.25	10.18	0.19	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	right	96.0	0.271	1.279	1.042	0.361	0.061	0.081	
5775	155	802.11ac	OFDM	80	11.25	10.18	0.21	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	left	96.0	0.000	1.279	1.042	0.000	0.000	0.000	
5775	155	802.11ac	OFDM	80	4.25	4.12	-0.16	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	back	96.0	0.117	1.030	1.042	0.126	0.030	0.032	
5775	155	802.11ac	OFDM	80	4.25	4.12	0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	bottom	96.0	0.013	1.030	1.042	0.014	0.003	0.003	
5775	155	802.11ac	OFDM	80	4.25	4.12	0.20	0 mm	Ant 2A	V1	DLXD100GQ8N7	29.3	right	96.0	0.045	1.030	1.042	0.048	0.010	0.011	
5210	42	802.11ac	OFDM	80	10.50	9.53	0.21	0 mm	Ant 2a	V2	DLXD100GQ8NF	29.3	back	95.5	0.873	1.250	1.047	1.143	0.215	0.281	
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.

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Table 10-59
5 GHz WLAN Ant 1B Body SAR

MEASUREMENT RESULTS																					
FREQUENCY		Mode	Service	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g) (W/kg)	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																				
5210	42	802.11ac	OFDM	80	11.50	10.54	0.12	0 mm	Ant 1B	V2	DLXD100KQ8NF	29.3	back	95.5	0.844	1.247	1.047	1.102	0.258	0.337	
5210	42	802.11ac	OFDM	80	11.50	10.35	0.20	0 mm	Ant 1B	V1	DLXD100QQ8N7	29.3	back	96.0	0.709	1.303	1.042	0.963	0.214	0.291	
5210	42	802.11ac	OFDM	80	11.50	10.54	0.14	0 mm	Ant 1B	V2	DLXD100KQ8NF	29.3	top	95.5	0.000	1.247	1.047	0.000	0.000	0.000	
5210	42	802.11ac	OFDM	80	11.50	10.54	-0.16	0 mm	Ant 1B	V2	DLXD100KQ8NF	29.3	bottom	95.5	0.698	1.247	1.047	0.911	0.156	0.204	
5210	42	802.11ac	OFDM	80	11.50	10.54	0.19	0 mm	Ant 1B	V2	DLXD100KQ8NF	29.3	right	95.5	0.004	1.247	1.047	0.005	0.001	0.001	
5210	42	802.11ac	OFDM	80	11.50	10.54	-0.11	0 mm	Ant 1B	V2	DLXD100KQ8NF	29.3	left	95.5	0.064	1.247	1.047	0.084	0.014	0.018	
5210	42	802.11ac	OFDM	80	4.50	4.44	-0.01	0 mm	Ant 1B	V2	DLXD100KQ8NF	29.3	back	95.5	0.199	1.014	1.047	0.211	0.062	0.066	
5210	42	802.11ac	OFDM	80	4.50	4.44	-0.20	0 mm	Ant 1B	V2	DLXD100KQ8NF	29.3	bottom	95.5	0.170	1.014	1.047	0.180	0.037	0.039	
5530	106	802.11ac	OFDM	80	10.25	9.27	-0.12	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	back	96.0	0.828	1.253	1.042	1.081	0.252	0.329	
5610	122	802.11ac	OFDM	80	10.25	9.17	-0.20	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	back	96.0	0.831	1.282	1.042	1.110	0.251	0.335	
5690	138	802.11ac	OFDM	80	10.25	9.34	0.13	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	back	96.0	0.910	1.233	1.042	1.169	0.267	0.343	
5690	138	802.11ac	OFDM	80	10.25	9.38	-0.20	0 mm	Ant 1B	V2	DLXD100HQ8NF	29.3	back	95.5	0.892	1.222	1.047	1.141	0.261	0.334	
5690	138	802.11ac	OFDM	80	10.25	9.34	0.12	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	top	96.0	0.000	1.233	1.042	0.000	0.000	0.000	
5530	106	802.11ac	OFDM	80	10.25	9.27	-0.08	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	bottom	96.0	0.613	1.253	1.042	0.800	0.142	0.185	
5610	122	802.11ac	OFDM	80	10.25	9.17	-0.20	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	bottom	96.0	0.713	1.282	1.042	0.952	0.166	0.222	
5690	138	802.11ac	OFDM	80	10.25	9.34	-0.11	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	bottom	96.0	0.726	1.233	1.042	0.933	0.165	0.212	
5690	138	802.11ac	OFDM	80	10.25	9.34	-0.14	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	right	96.0	0.006	1.233	1.042	0.008	0.001	0.001	
5690	138	802.11ac	OFDM	80	10.25	9.34	0.03	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	left	96.0	0.047	1.233	1.042	0.060	0.011	0.014	
5690	138	802.11ac	OFDM	80	3.25	3.23	-0.16	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	back	96.0	0.188	1.005	1.042	0.197	0.055	0.058	
5690	138	802.11ac	OFDM	80	3.25	3.23	-0.20	0 mm	Ant 1B	V1	DLXD100SQ8N7	29.3	bottom	96.0	0.164	1.005	1.042	0.172	0.037	0.039	
5775	155	802.11ac	OFDM	80	10.25	9.31	0.20	0 mm	Ant 1B	V1	DLXD100QQ8N7	29.3	back	96.0	0.895	1.242	1.042	1.158	0.248	0.321	
5775	155	802.11ac	OFDM	80	10.25	9.22	0.08	0 mm	Ant 1B	V2	DLXD100KQ8NF	29.3	back	95.5	0.844	1.268	1.047	1.120	0.239	0.317	
5775	155	802.11ac	OFDM	80	10.25	9.31	0.17	0 mm	Ant 1B	V1	DLXD100QQ8N7	29.3	top	96.0	0.000	1.242	1.042	0.000	0.000	0.000	
5775	155	802.11ac	OFDM	80	10.25	9.31	-0.20	0 mm	Ant 1B	V1	DLXD100QQ8N7	29.3	bottom	96.0	0.531	1.242	1.042	0.687	0.121	0.157	
5775	155	802.11ac	OFDM	80	10.25	9.31	0.19	0 mm	Ant 1B	V1	DLXD100QQ8N7	29.3	right	96.0	0.002	1.242	1.042	0.003	0.000	0.000	
5775	155	802.11ac	OFDM	80	10.25	9.31	0.20	0 mm	Ant 1B	V1	DLXD100QQ8N7	29.3	left	96.0	0.038	1.242	1.042	0.049	0.008	0.010	
5775	155	802.11ac	OFDM	80	3.25	3.24	0.12	0 mm	Ant 1B	V1	DLXD100QQ8N7	29.3	back	96.0	0.138	1.002	1.042	0.144	0.038	0.040	
5775	155	802.11ac	OFDM	80	3.25	3.24	-0.09	0 mm	Ant 1B	V1	DLXD100QQ8N7	29.3	bottom	96.0	0.111	1.002	1.042	0.116	0.025	0.026	
ANSI / IEEE C95.1 1992 - SAFETY LIMIT Spatial Peak Uncontrolled Exposure/General Population											Body 1.6 W/kg (mW/g) averaged over 1 gram										

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Table 10-60
5 GHz WLAN Body SAR – Ant 2B and Ant 2A MIMO

MEASUREMENT RESULTS																							
FREQUENCY		Mode	Service	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Cube	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g) (W/kg)	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																						
5290	58	802.11ac	OFDM	80	11.50	10.58	1	0.14	0 mm	MIMO	V1	DLXD100VQ8N7	58.5	back	95.5	0.898	1.236	1.047	1.162	0.269	0.348	
					9.75	8.92	2	0.14							96.0	0.770	1.211	1.042	0.972	0.194	0.245	
5290	58	802.11ac	OFDM	80	11.50	10.47	1	0.07	0 mm	MIMO	V2	DLXD100KQ8NF	58.5	back	95.5	0.771	1.268	1.047	1.024	0.228	0.303	
					9.75	8.83	2	0.07							95.5	0.666	1.236	1.047	0.862	0.169	0.219	
5530	106	802.11ac	OFDM	80	10.25	9.42	1	0.20	0 mm	MIMO	V1	DLXD100QQ8N7	58.5	back	95.5	0.799	1.211	1.047	1.013	0.244	0.309	
					10.75	9.91	2	0.20							96.0	0.714	1.213	1.042	0.902	0.219	0.277	
5610	122	802.11ac	OFDM	80	10.25	9.61	1	0.20	0 mm	MIMO	V1	DLXD100QQ8N7	58.5	back	95.5	0.799	1.159	1.047	0.970	0.239	0.290	
					10.75	9.62	2	0.20							96.0	0.642	1.297	1.042	0.868	0.168	0.227	
5690	138	802.11ac	OFDM	80	10.25	9.65	1	0.10	0 mm	MIMO	V1	DLXD100QQ8N7	58.5	back	95.5	0.942	1.148	1.047	1.132	0.277	0.268	
					10.75	9.49	2	0.10							96.0	0.568	1.337	1.042	0.791	0.157	0.219	
5690	138	802.11ac	OFDM	80	10.25	9.21	1	0.08	0 mm	MIMO	V2	DLXD100KQ8NF	58.5	back	95.5	0.848	1.271	1.047	1.128	0.232	0.309	
					10.75	9.40	2	0.20							95.5	0.459	1.365	1.047	0.656	0.122	0.174	
5775	155	802.11ac	OFDM	80	9.75	9.10	1	0.15	0 mm	MIMO	V1	DLXD100QQ8N7	58.5	back	95.5	0.860	1.161	1.047	1.045	0.234	0.284	
					11.25	10.30	2	-0.04							96.0	0.854	1.245	1.042	1.108	0.236	0.306	
5775	155	802.11ac	OFDM	80	9.75	8.80	1	0.15	0 mm	MIMO	V2	DLXD100GQ8NF	58.5	back	95.5	0.762	1.245	1.047	0.993	0.209	0.272	
					11.25	10.38	2	0.20							95.5	0.802	1.222	1.047	1.026	0.189	0.242	
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: Due to the spatial separation of Antenna 2B and Antenna 2A, two measurement cubes were evaluated during MIMO SAR testing. Cube 1 and 2 are located over the SAR distributions produced by Antenna 2B and 2A, respectively. Due to the spatial separation of the distributions, the conducted power of each antenna was individually considered for each measurement cube to determine the reported SAR.

Table 10-61
5 GHz WLAN Body SAR – Ant 2B and Ant 1B MIMO

MEASUREMENT RESULTS																							
FREQUENCY		Mode	Service	Bandwidth [MHz]	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Cube	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g) (W/kg)	Scaling Factor (Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																						
5210	42	802.11ac	OFDM	80	10.50	9.78	1	-0.16	0 mm	MIMO	V1	DLXD1011Q8N7	58.5	bottom	96.0	0.697	1.180	1.042	0.857	0.170	0.209	
					11.50	10.41	2	-0.16							95.5	0.669	1.285	1.047	0.900	0.155	0.209	
5210	42	802.11ac	OFDM	80	10.50	9.52	1	-0.20	0 mm	MIMO	V2	DLXD100HQ8NF	58.5	bottom	96.0	0.736	1.253	1.042	0.961	0.168	0.219	
					11.50	10.75	2	-0.18							95.5	0.684	1.189	1.047	0.851	0.161	0.200	
5530	106	802.11ac	OFDM	80	10.25	9.36	1	-0.20	0 mm	MIMO	V2	DLXD100HQ8NF	58.5	bottom	96.0	0.568	1.227	1.042	0.726	0.139	0.178	
					10.25	9.31	2	-0.20							95.5	0.615	1.242	1.047	0.800	0.148	0.192	
5610	122	802.11ac	OFDM	80	10.25	9.38	1	-0.20	0 mm	MIMO	V2	DLXD100HQ8NF	58.5	bottom	96.0	0.514	1.222	1.042	0.654	0.125	0.159	
					10.25	9.33	2	-0.20							95.5	0.782	1.236	1.047	1.012	0.187	0.242	
5610	122	802.11ac	OFDM	80	10.25	9.27	1	-0.19	0 mm	MIMO	V1	DLXD100SQ8N7	58.5	bottom	96.0	0.561	1.253	1.042	0.732	0.140	0.183	
					10.25	9.31	2	-0.19							95.5	0.707	1.242	1.047	0.919	0.172	0.224	
5690	138	802.11ac	OFDM	80	10.25	9.21	1	-0.17	0 mm	MIMO	V2	DLXD100HQ8NF	58.5	bottom	96.0	0.514	1.271	1.042	0.681	0.120	0.159	
					10.25	9.22	2	-0.17							95.5	0.713	1.268	1.047	0.947	0.164	0.218	
5775	155	802.11ac	OFDM	80	9.75	8.80	1	-0.19	0 mm	MIMO	V2	DLXD100HQ8NF	58.5	bottom	96.0	0.492	1.245	1.042	0.638	0.118	0.153	
					10.25	9.37	2	-0.19							95.5	0.569	1.225	1.047	0.730	0.130	0.167	
5775	155	802.11ac	OFDM	80	9.75	8.70	1	-0.01	0 mm	MIMO	V1	DLXD100SQ8N7	58.5	bottom	96.0	0.542	1.274	1.042	0.720	0.132	0.175	
					10.25	9.38	2	-0.01							95.5	0.531	1.222	1.047	0.679	0.127	0.162	
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: Due to the spatial separation of Antenna 2B and Antenna 1B, two measurement cubes were evaluated during MIMO SAR testing. Cube 1 and 2 are located over the SAR distributions produced by Antenna 2B and 1B, respectively. Due to the spatial separation of the distributions, the conducted power of each antenna was individually considered for each measurement cube to determine the reported SAR.

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Table 10-62
Bluetooth Ant 3A Body SAR

MEASUREMENT RESULTS																					
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g) (W/kg)	Scaling Factor (Cond Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																				
2480	78	Bluetooth	FHSS	13.75	13.15	-0.01	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	back	76.9	0.522	1.148	1.008	0.604	0.227	0.263	
2480	78	Bluetooth	FHSS	13.75	13.15	-0.02	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	top	76.9	0.411	1.148	1.008	0.476	0.128	0.148	
2480	78	Bluetooth	FHSS	13.75	13.15	-0.20	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	bottom	76.9	0.022	1.148	1.008	0.025	0.008	0.009	
2402	0	Bluetooth	FHSS	13.75	12.98	0.01	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	right	76.9	0.829	1.194	1.008	0.998	0.295	0.355	
2441	39	Bluetooth	FHSS	13.75	13.04	0.20	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	right	76.9	0.999	1.178	1.008	**1.186**	0.358	**0.425**	A20
2441	39	Bluetooth	FHSS	13.75	12.42	0.19	0 mm	Ant 3A	V1	DLXD1011Q8N7	1	right	76.9	0.827	1.358	1.008	1.132	0.292	0.400	
2480	78	Bluetooth	FHSS	13.75	13.15	0.20	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	right	76.9	0.970	1.148	1.008	1.122	0.345	0.399	
2480	78	Bluetooth	FHSS	13.75	13.15	-0.18	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	left	76.9	0.001	1.148	1.008	0.001	0.000	0.000	
2402	0	Bluetooth	FHSS	6.75	6.74	-0.13	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	back	76.9	0.057	1.002	1.008	0.058	0.026	0.026	
2402	0	Bluetooth	FHSS	6.75	6.74	-0.19	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	top	76.9	0.046	1.002	1.008	0.046	0.014	0.014	
2402	0	Bluetooth	FHSS	6.75	6.74	0.03	0 mm	Ant 3A	V2	DLXD1006Q8NF	1	right	76.9	0.115	1.002	1.008	0.116	0.041	0.041	
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: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per the manufacturer.

Table 10-63
Bluetooth Ant 1A Body SAR

MEASUREMENT RESULTS																					
FREQUENCY		Mode	Service	Maximum Allowed Power [dBm]	Conducted Power [dBm]	Power Drift [dB]	Spacing	Antenna Config.	Variant	Device Serial Number	Data Rate (Mbps)	Side	Duty Cycle (%)	SAR (1g) (W/kg)	Scaling Factor (Cond Power)	Scaling Factor (Duty Cycle)	Reported SAR (1g) (W/kg)	SAR (10g) (W/kg)	Reported SAR (10g) (W/kg)	Plot #
MHz	Ch.																				
2402	0	Bluetooth	FHSS	13.75	12.67	-0.01	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	back	76.5	0.679	1.282	1.013	0.882	0.292	0.379	
2441	39	Bluetooth	FHSS	13.75	12.70	-0.20	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	back	76.5	0.882	1.274	1.013	1.138	0.370	0.478	
2441	39	Bluetooth	FHSS	13.75	12.75	0.02	0 mm	Ant 1A	V2	DLXD100GQ8NF	1	back	76.9	0.769	1.259	1.008	0.976	0.329	0.418	
2480	78	Bluetooth	FHSS	13.75	12.73	-0.13	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	back	76.5	0.821	1.265	1.013	1.052	0.347	0.445	
2480	78	Bluetooth	FHSS	13.75	12.73	-0.20	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	top	76.5	0.007	1.265	1.013	0.009	0.003	0.004	
2480	78	Bluetooth	FHSS	13.75	12.73	-0.04	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	bottom	76.5	0.331	1.265	1.013	0.424	0.100	0.128	
2480	78	Bluetooth	FHSS	13.75	12.73	0.00	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	right	76.5	0.000	1.265	1.013	0.000	0.000	0.000	
2402	0	Bluetooth	FHSS	13.75	12.67	-0.01	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	left	76.5	0.450	1.282	1.013	0.584	0.156	0.203	
2441	39	Bluetooth	FHSS	13.75	12.70	-0.10	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	left	76.5	0.787	1.274	1.013	1.016	0.271	0.350	
2480	78	Bluetooth	FHSS	13.75	12.73	0.07	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	left	76.5	0.821	1.265	1.013	1.052	0.278	0.356	
2402	0	Bluetooth	FHSS	6.75	6.65	-0.12	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	back	76.5	0.188	1.023	1.013	0.195	0.084	0.087	
2402	0	Bluetooth	FHSS	6.75	6.65	0.02	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	bottom	76.5	0.090	1.023	1.013	0.093	0.028	0.029	
2402	0	Bluetooth	FHSS	6.75	6.65	0.01	0 mm	Ant 1A	V1	DLXD100VQ8N7	1	left	76.5	0.110	1.023	1.013	0.114	0.040	0.041	
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: The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is permanently limited to 77.5% per the manufacturer.

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10.2 SAR Test Notes

General Notes:

1. The test data reported are the worst-case SAR values according to test procedures specified in FCC KDB Publication 616217 D04v01r02 and FCC KDB Publication 447498 D01v06.
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 D01v06.
6. 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 11.1 for variability analysis.
7. FCC KDB Publication 616217 D04v01r02 Section 4.3, SAR tests are required for the back surface and edges of the tablet with the tablet touching the phantom. The SAR Exclusion Threshold in FCC KDB 447498 D01v06 was applied to determine SAR test exclusion for adjacent edge configurations.
8. This device utilizes power reduction for some wireless modes and technologies, as outlined in Section 1.3. The maximum output power allowed for each transmitter and exposure condition was evaluated for SAR compliance based on expected use conditions and simultaneous transmission scenarios.

GSM Test Notes:

1. 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 GPRS/EDGE slot configurations. The configuration with the highest target frame averaged output power was evaluated for 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.
2. Per FCC KDB Publication 447498 D01v06, if the reported (scaled) SAR measured at the middle channel or 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). When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel was used.

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 D01v06, if the reported (scaled) SAR measured at the middle channel or 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). When the maximum output power variation across the required test channels is > ½ dB, instead of the middle channel, the highest output power channel was used.

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 7.5.4.
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).

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4. Per FCC KDB Publication 447498 D01v06, when the reported LTE Band 41 SAR measured at the highest output power channel in a given a test configuration was > 0.6 W/kg for 1g evaluations, 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. This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per FCC Guidance, all SAR tests were performed using Power Class 3. SAR with power class 2 at the available duty factor was additionally performed for the power class 3 configuration with the highest SAR configuration for each exposure conditions. Please see Section 13 for linearity results.
8. For LTE Band 7, LTE Band 5, and LTE Band 41, 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.
9. For inter-band uplink carrier aggregation, additional SAR Measurements were performed for some positions at the maximum allowed output power in inter-band ULCA mode. All single uplink 1g SAR values for each band were < 0.8 W/kg and the algebraic summation of the 1g SAR inter-band ULCA values were < 1.45. Per Fall 2018 TCB Workshop notes, no additional measurements were required.
10. This device supports LTE Band 41 ULCA active with Power Class 2. Highest SAR test configuration for each exposure condition in Power Class 3 with ULCA active was repeated with Power Class 2 with ULCA active.
11. 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 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.

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WLAN Notes:

1. 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 7.6.4 for more information.
2. Justification for test configurations for WLAN per KDB Publication 248227 D01v02r02 for 5 GHz WIFI single transmission chain 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 7.6.5 for more information.
3. Per KDB Publication 248227 D01v02r02, SAR for MIMO was evaluated by following the simultaneous SAR provisions from KDB Publication 447498 D01v06 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 Section 11 for complete analysis.
4. 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.
5. 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 the 100% transmission duty factor to determine compliance. Procedures used to measure the duty factor are identical to that in the associated EMC test reports.
6. The time-averaged mechanism for WLAN operations was disabled for the above SAR measurements. The SAR was scaled to the maximum time-averaged output power.

Bluetooth Notes:

1. Bluetooth SAR was evaluated with a test mode with hopping disabled with DH5 operation. The reported SAR was scaled to the 77.5% transmission duty factor to determine compliance since the duty factor of the device is limited to 77.5% per the manufacturer. See Section 8.6 for the time domain plot and calculation for the duty factor of the device.

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11 FCC MULTI-TX AND ANTENNA SAR CONSIDERATIONS

11.1 Introduction

The following procedures adopted from FCC KDB Publication 447498 D01v06 are applicable to devices with built-in unlicensed transmitters such as 802.11 and Bluetooth devices which may simultaneously transmit with the licensed transmitter.

11.2 Simultaneous Transmission Procedures

This device contains transmitters that may operate simultaneously. Therefore, simultaneous transmission analysis is required. Per FCC KDB Publication 447498 D01v06 4.3.2 and IEEE 1528-2013 Section 6.3.4.1.2, simultaneous transmission SAR test exclusion may be applied when the sum of the 1g SAR for all the simultaneous transmitting antennas in a specific a physical test configuration is ≤1.6 W/kg. The different test positions in an exposure condition may be considered collectively to determine SAR test exclusion according to the sum of 1g or 10g SAR.

Note:
SAR Summations for some scenarios when the output power levels are reduced, SAR values at the maximum output power level were used as the most conservative evaluation for simultaneous transmission analysis.

For each position, the highest SAR value across all modes for the applicable cellular band antenna was considered for summation to determine simultaneous SAR test exclusion.

*The SAR distributions for at least one of the antennas are spatially separated from the other antennas per FCC KDB Publication 248227 Section 6.1 procedures. Therefore, the simultaneous transmission were treated independently for this configuration. See section 11.4 for more information about the Spatial Separation Analysis.

To determine simultaneous transmission analysis for cellular band Antenna 4 Inter-band ULCA, the highest SAR value across all LTE bands was used for summation.

11.1 Body SAR Simultaneous Transmission Analysis

Table 11-1
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	2.4 GHz WLAN Ant 3A SAR (W/kg)	2.4 GHz WLAN Ant 1A SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	1.189	0.459	1.174	1.189*	1.189*	1.189*
	Top	1.033	0.403	0.008	1.436	1.041	**1.444**
	Bottom	0.031	0.001	0.476	0.032	0.507	0.508
	Right	0.058	1.031	0.000	1.089	0.058	1.089
	Left	1.180	0.000	1.101	1.180	1.180*	1.180*

Table 11-2
Cellular Band Ant 3B Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 3B SAR (W/kg)	2.4 GHz WLAN Ant 3A Reduced at 6dBm SAR (W/kg)	2.4 GHz WLAN Ant 1A SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	1.188	0.087	1.174	**1.275**	1.188*	1.275*
	Top	1.061	0.074	0.008	1.135	1.069	1.143
	Bottom	0.011	0.001	0.476	0.012	0.487	0.488
	Right	0.142	0.187	0.000	0.329	0.142	0.329
	Left	0.027	0.000	1.101	0.027	1.128	1.128

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Table 11-3
Cellular Band Ant 3A Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 3A SAR (W/kg)	2.4 GHz WLAN Ant 3A Reduced at 6dBm SAR (W/kg)	2.4 GHz WLAN Ant 1A SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	0.641	0.087	1.174	0.728	1.174*	1.174*
	Top	0.430	0.074	0.008	0.504	0.438	0.512
	Bottom	0.013	0.001	0.476	0.014	0.489	0.490
	Right	1.165	0.187	0.000	**1.352**	1.165	1.352
	Left	0.007	0.000	1.101	0.007	1.108	1.108

Table 11-4
Cellular Band Ant 1A Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 1A SAR (W/kg)	2.4 GHz WLAN Ant 3A SAR (W/kg)	2.4 GHz WLAN Ant 1A Reduced at 6.75dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	1.187	0.459	0.135	1.187*	**1.322**	1.322*
	Top	0.032	0.403	0.008	0.435	0.040	0.443
	Bottom	0.497	0.001	0.062	0.498	0.559	0.560
	Right	0.004	1.031	0.000	1.035	0.004	1.035
	Left	1.186	0.000	0.130	1.186	1.316	1.316

Table 11-5
Cellular Band Ant 2A Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 2A SAR (W/kg)	2.4 GHz WLAN Ant 3A SAR (W/kg)	2.4 GHz WLAN Ant 1A SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	1.188	0.459	1.174	1.188*	1.188*	1.188*
	Top	0.040	0.403	0.008	0.443	0.048	0.451
	Bottom	0.776	0.001	0.476	0.777	1.252	**1.253**
	Right	0.867	1.031	0.000	1.031*	0.867	1.031*
	Left	0.009	0.000	1.101	0.009	1.110	1.110

Table 11-6
Cellular Band Ant 4 Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	5 GHz WLAN Ant 2B SAR (W/kg)	5 GHz WLAN Ant 2A SAR (W/kg)	5 GHz WLAN Ant 1B SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	1+2	1+3	1+4	1+2+3	1+2+4
Body SAR	Back	1.189	1.176	1.187	1.169	1.189*	1.189*	1.189*	See Table Below	1.189*
	Top	1.033	0.000	0.013	0.000	1.033	1.046	1.033	1.046	1.033
	Bottom	0.031	0.937	0.178	0.952	0.968	0.209	0.983	1.146	See Table Below
	Right	0.058	0.057	0.361	0.008	0.115	0.419	0.066	0.476	0.123
	Left	1.180	0.006	0.000	0.084	1.186	1.180	1.264	1.186	**1.270**

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	5 GHz WLAN Ant 2B & 2A MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	1+2
Body SAR	Back	1.189	1.162	1.189*

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	5 GHz WLAN Ant 2B & 1B MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	1+2
Body SAR	Bottom	0.031	1.012	1.043

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Table 11-7
Cellular Band Ant 3B Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 3B SAR (W/kg)	5 GHz WLAN Ant 2B SAR (W/kg)	5 GHz WLAN Ant 2A SAR (W/kg)	5 GHz WLAN Ant 1B SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	1+2	1+3	1+4	1+2+3	1+2+4
Body SAR	Back	1.188	1.176	1.187	1.169	1.188*	1.188*	1.188*	See Table Below	1.188*
	Top	1.061	0.000	0.013	0.000	1.061	1.074	1.061	1.074	1.061
	Bottom	0.011	0.937	0.178	0.952	0.948	0.189	0.963	**1.126**	See Table Below
	Right	0.142	0.057	0.361	0.008	0.199	0.503	0.150	0.560	0.207
	Left	0.027	0.006	0.000	0.084	0.033	0.027	0.111	0.033	0.117

Simult Tx	Configuration	Cellular Band Ant 3B SAR (W/kg)	5 GHz WLAN Ant 2B & 2A MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	1+2
Body SAR	Back	1.188	1.162	1.188*

Simult Tx	Configuration	Cellular Band Ant 3B SAR (W/kg)	5 GHz WLAN Ant 2B & 1B MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	1+2
Body SAR	Bottom	0.011	1.012	1.023

Table 11-8
Cellular Band Ant 3A Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 3A SAR (W/kg)	5 GHz WLAN Ant 2B SAR (W/kg)	5 GHz WLAN Ant 2A SAR (W/kg)	5 GHz WLAN Ant 1B SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	1+2	1+3	1+4	1+2+3	1+2+4
Body SAR	Back	0.641	1.176	1.187	1.169	1.176*	1.187*	1.169*	See Table Below	1.176*
	Top	0.430	0.000	0.013	0.000	0.430	0.443	0.430	0.443	0.430
	Bottom	0.013	0.937	0.178	0.952	0.950	0.191	0.965	1.128	See Table Below
	Right	1.165	0.057	0.361	0.008	1.222	1.526	1.173	**1.583**	1.230
	Left	0.007	0.006	0.000	0.084	0.013	0.007	0.091	0.013	0.097

Simult Tx	Configuration	Cellular Band Ant 3A SAR (W/kg)	5 GHz WLAN Ant 2B & 2A MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	1+2
Body SAR	Back	0.641	1.162	1.162*

Simult Tx	Configuration	Cellular Band Ant 3A SAR (W/kg)	5 GHz WLAN Ant 2B & 1B MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	1+2
Body SAR	Bottom	0.013	1.012	1.025

Table 11-9
Cellular Band Ant 1A Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 1A SAR (W/kg)	5 GHz WLAN Ant 2B SAR (W/kg)	5 GHz WLAN Ant 2A SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	1+2	1+3	1+4	1+2+3	1+2+4
Body SAR	Back	1.187	1.176	1.187	0.211	1.187*	1.187*	1.187*	See Table Below	1.398*
	Top	0.032	0.000	0.013	0.000	0.032	0.045	0.032	0.045	0.032
	Bottom	0.497	0.937	0.178	0.180	**1.434**	0.675	0.677	1.115*	1.117*
	Right	0.004	0.057	0.361	0.008	0.061	0.365	0.012	0.422	0.069
	Left	1.186	0.006	0.000	0.084	1.192	1.186	1.270	1.192	1.276

Simult Tx	Configuration	Cellular Band Ant 1A SAR (W/kg)	5 GHz WLAN Ant 2B & 2A MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	1+2
Body SAR	Back	1.187	1.162	1.187*

Table 11-10
Cellular Band Ant 2A Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 2A SAR (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	1+2	1+3	1+4	1+2+3	1+2+4
Body SAR	Back	1.188	0.187	0.193	1.169	1.375	1.381	1.189*	**1.568**	1.375*
	Top	0.040	0.000	0.013	0.000	0.040	0.053	0.040	0.053	0.040
	Bottom	0.776	0.153	0.026	0.952	0.929	0.802	0.952*	0.955	1.105*
	Right	0.867	0.057	0.049	0.008	0.924	0.916	0.875	0.973	0.932
	Left	0.009	0.006	0.000	0.084	0.015	0.009	0.093	0.015	0.099

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Table 11-11
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	1.189	0.604	1.138	1.189*	1.189*	1.189*
	Top	1.033	0.476	0.009	1.509	1.042	**1.518**
	Bottom	0.031	0.025	0.424	0.056	0.455	0.480
	Right	0.058	1.186	0.000	1.244	0.058	1.244
	Left	1.180	0.001	1.052	1.181	1.180*	1.181*

Table 11-12
Cellular Band Ant 3B Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 3B SAR (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	1.188	0.058	1.138	**1.246**	1.188*	1.246*
	Top	1.061	0.046	0.009	1.107	1.070	1.116
	Bottom	0.011	0.025	0.424	0.036	0.435	0.460
	Right	0.142	0.116	0.000	0.258	0.142	0.258
	Left	0.027	0.001	1.052	0.028	1.079	1.080

Table 11-13
Cellular Band Ant 3A Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 3A SAR (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	0.641	0.058	1.138	0.699	1.138*	1.138*
	Top	0.430	0.046	0.009	0.476	0.439	0.485
	Bottom	0.013	0.025	0.424	0.038	0.437	0.462
	Right	1.165	0.116	0.000	**1.281**	1.165	1.281
	Left	0.007	0.001	1.052	0.008	1.059	1.060

Table 11-14
Cellular Band Ant 1A Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 1A SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	1.187	0.604	0.195	1.187*	**1.382**	1.382*
	Top	0.032	0.476	0.009	0.508	0.041	0.517
	Bottom	0.497	0.025	0.093	0.522	0.590	0.615
	Right	0.004	1.186	0.000	1.190	0.004	1.190
	Left	1.186	0.001	0.114	1.187	1.300	1.301

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Table 11-15
Cellular Band Ant 2A Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 2A SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	1+2	1+3	1+2+3
Body SAR	Back	1.188	0.604	1.138	1.188*	1.188*	1.188*
	Top	0.040	0.476	0.009	0.516	0.049	0.525
	Bottom	0.776	0.025	0.424	0.801	1.200	**1.225**
	Right	0.867	1.186	0.000	1.186*	0.867	1.186*
	Left	0.009	0.001	1.052	0.010	1.061	1.062

Table 11-16
Cellular Band Ant 4 Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B SAR (W/kg)	5 GHz WLAN Ant 2A SAR (W/kg)	5 GHz WLAN Ant 1B SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	1+2+3+4+5	1+2+3+4+6
Body SAR	Back	1.189	0.604	0.195	1.176	1.187	1.169	See table below	1.364*
	Top	1.033	0.476	0.009	0.000	0.013	0.000	**1.531**	1.518
	Bottom	0.031	0.025	0.093	0.937	0.178	0.952	1.264	See table below
	Right	0.058	1.186	0.000	0.057	0.361	0.008	1.301*	1.309
	Left	1.180	0.001	0.114	0.006	0.000	0.084	1.301	1.385

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B & 2A MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	1.189	0.604	0.195	1.162	1.189*

Simult Tx	Configuration	Cellular Band Ant 4 SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B & 1B MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Bottom	0.031	0.025	0.093	1.012	1.161

Table 11-17
Cellular Band Ant 3B Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 3B SAR (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B SAR (W/kg)	5 GHz WLAN Ant 2A SAR (W/kg)	5 GHz WLAN Ant 1B SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	1+2+3+4+5	1+2+3+4+6
Body SAR	Back	1.188	0.058	0.195	1.176	1.187	1.169	See table below	1.364*
	Top	1.061	0.046	0.009	0.000	0.013	0.000	1.129	1.116
	Bottom	0.011	0.025	0.093	0.937	0.178	0.952	**1.244**	See table below
	Right	0.142	0.116	0.000	0.057	0.361	0.008	0.676	0.323
	Left	0.027	0.001	0.114	0.006	0.000	0.084	0.148	0.232

Simult Tx	Configuration	Cellular Band Ant 3B SAR (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B & 2A MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	1.188	0.058	0.195	1.162	1.246*

Simult Tx	Configuration	Cellular Band Ant 3B SAR (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B & 1B MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Bottom	0.011	0.025	0.093	1.012	1.141

Table 11-18
Cellular Band Ant 3A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 3A SAR (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B SAR (W/kg)	5 GHz WLAN Ant 2A SAR (W/kg)	5 GHz WLAN Ant 1B SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	1+2+3+4+5	1+2+3+4+6
Body SAR	Back	0.641	0.058	0.195	1.176	1.187	1.169	See table below	1.364*
	Top	0.430	0.046	0.009	0.000	0.013	0.000	0.498	0.485
	Bottom	0.013	0.025	0.093	0.937	0.178	0.952	1.246	See table below
	Right	1.165	0.116	0.000	0.057	0.361	0.008	1.338*	**1.346**
	Left	0.007	0.001	0.114	0.006	0.000	0.084	0.128	0.212

Simult Tx	Configuration	Cellular Band Ant 3A SAR (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B & 2A MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	0.641	0.058	0.195	1.162	1.162*

Simult Tx	Configuration	Cellular Band Ant 3A SAR (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B & 1B MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Bottom	0.013	0.025	0.093	1.012	1.143

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Table 11-19
Cellular Band Ant 1A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

`	Configuration	Cellular Band Ant 1A SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B SAR (W/kg)	5 GHz WLAN Ant 2A SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	1+2+3+4+5	1+2+3+4+6
Body SAR	Back	1.187	0.604	0.195	1.176	1.187	0.211	See table below	**1.593***
	Top	0.032	0.476	0.009	0.000	0.013	0.000	0.530	0.517
	Bottom	0.497	0.025	0.093	0.937	0.178	0.180	1.140*	1.142*
	Right	0.004	1.186	0.000	0.057	0.361	0.008	1.247*	1.255
	Left	1.186	0.001	0.114	0.006	0.000	0.084	1.307	**1.391**

Simult Tx	Configuration	Cellular Band Ant 1A SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B & 2A MIMO SAR (W/kg)	Σ SAR (W/kg)
		1	2	3	4	1+2+3+4
Body SAR	Back	1.187	0.604	0.195	1.162	1.382*

Table 11-20
Cellular Band Ant 2A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 2A SAR (W/kg)	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	1+2+3+4+5	1+2+3+4+6
Body SAR	Back	1.188	0.604	0.195	0.187	0.193	1.169	1.568*	1.375*
	Top	0.040	0.476	0.009	0.000	0.013	0.000	0.538	0.525
	Bottom	0.776	0.025	0.093	0.153	0.026	0.952	**1.073**	1.130*
	Right	0.867	1.186	0.000	0.057	0.049	0.008	1.243*	1.251*
	Left	0.009	0.001	0.114	0.006	0.000	0.084	0.130	0.214

Table 11-21
Inter-band ULCA Cellular Band Ant 4 and 3B Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	2.4 GHz WLAN Ant 3A Reduced at 6dBm SAR (W/kg)	2.4 GHz WLAN Ant 1A Reduced at 6.75dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.595	0.590	0.087	0.135	1.272	1.320	**1.407**
	Top	0.742	0.562	0.074	0.008	1.378	1.312	1.386
	Bottom	0.031	0.008	0.001	0.062	0.040	0.101	0.102
	Right	0.058	0.140	0.187	0.000	0.385	0.198	0.385
	Left	0.757	0.019	0.000	0.130	0.776	0.906	0.906

Table 11-22
Inter-band ULCA Cellular Band Ant 4 and 2A Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 2A Inter-band ULCA Active (W/kg)	2.4 GHz WLAN Ant 3A Reduced at 6dBm SAR (W/kg)	2.4 GHz WLAN Ant 1A Reduced at 6.75dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.595	0.643	0.087	0.135	1.325	1.373	**1.460**
	Top	0.742	0.032	0.074	0.008	0.848	0.782	0.856
	Bottom	0.031	0.658	0.001	0.062	0.690	0.751	0.752
	Right	0.058	0.690	0.187	0.000	0.935	0.748	0.935
	Left	0.757	0.009	0.000	0.130	0.766	0.896	0.896

Table 11-23
Inter-band ULCA Cellular Band Ant 4 and 1A Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 1A Inter-band ULCA Active (W/kg)	2.4 GHz WLAN Ant 3A Reduced at 6dBm SAR (W/kg)	2.4 GHz WLAN Ant 1A Reduced at 6.75dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.595	0.562	0.087	0.135	1.244	1.292	**1.379**
	Top	0.742	0.032	0.074	0.008	0.848	0.782	0.856
	Bottom	0.031	0.487	0.001	0.062	0.519	0.580	0.581
	Right	0.058	0.004	0.187	0.000	0.249	0.062	0.249
	Left	0.757	0.490	0.000	0.130	1.247	1.377	1.377

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Table 11-24
Inter-band ULCA Cellular Band Ant 4 and 3A Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 3A Inter-band ULCA Active (W/kg)	2.4 GHz WLAN Ant 3A Reduced at 6dBm SAR (W/kg)	2.4 GHz WLAN Ant 1A Reduced at 6.75dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.595	0.575	0.087	0.135	1.257	1.305	**1.392**
	Top	0.742	0.430	0.074	0.008	1.246	1.180	1.254
	Bottom	0.031	0.010	0.001	0.062	0.042	0.103	0.104
	Right	0.058	0.589	0.187	0.000	0.834	0.647	0.834
	Left	0.757	0.006	0.000	0.130	0.763	0.893	0.893

Table 11-25
Inter-band ULCA Cellular Band Ant 3B and 1A Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Cellular Band Ant 1A Inter-band ULCA Active (W/kg)	2.4 GHz WLAN Ant 3A Reduced at 6dBm SAR (W/kg)	2.4 GHz WLAN Ant 1A Reduced at 6.75dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.590	0.562	0.087	0.135	1.239	1.287	**1.374**
	Top	0.562	0.032	0.074	0.008	0.668	0.602	0.676
	Bottom	0.008	0.487	0.001	0.062	0.496	0.557	0.558
	Right	0.140	0.004	0.187	0.000	0.331	0.144	0.331
	Left	0.019	0.490	0.000	0.130	0.509	0.639	0.639

Table 11-26
Inter-band ULCA Cellular Band Ant 3B and 3A Simultaneous Transmission Scenario with 2.4 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Cellular Band Ant 3A Inter-band ULCA Active (W/kg)	2.4 GHz WLAN Ant 3A Reduced at 6dBm SAR (W/kg)	2.4 GHz WLAN Ant 1A Reduced at 6.75dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.590	0.575	0.087	0.135	1.252	1.300	**1.387**
	Top	0.562	0.430	0.074	0.008	1.066	1.000	1.074
	Bottom	0.008	0.010	0.001	0.062	0.019	0.080	0.081
	Right	0.140	0.589	0.187	0.000	0.916	0.729	0.916
	Left	0.019	0.006	0.000	0.130	0.025	0.155	0.155

Table 11-27
Inter-band ULCA Cellular Band Ant 4 and 3B Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	5	1+2+3	1+2+4	1+2+5	1+2+3+4	1+2+3+5
Body SAR	Back	0.595	0.590	0.187	0.193	0.211	1.372	1.378	1.396	1.565	**1.583**
	Top	0.742	0.562	0.000	0.013	0.000	1.304	1.317	1.304	1.317	1.304
	Bottom	0.031	0.008	0.153	0.026	0.180	0.192	0.065	0.219	0.218	0.372
	Right	0.058	0.140	0.057	0.049	0.008	0.255	0.247	0.206	0.304	0.263
	Left	0.757	0.019	0.006	0.000	0.084	0.782	0.776	0.860	0.782	0.866

Table 11-28
Inter-band ULCA Cellular Band Ant 4 and 2A Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 2A Inter-band ULCA Active (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	5	1+2+3	1+2+4	1+2+5	1+2+3+4	1+2+3+5
Body SAR	Back	0.595	0.643	0.187	0.193	0.211	1.425	1.431	**1.449**	1.023*	0.830*
	Top	0.742	0.032	0.000	0.013	0.000	0.774	0.787	0.774	0.787	0.774
	Bottom	0.031	0.658	0.153	0.026	0.180	0.842	0.715	0.869	0.868	1.022
	Right	0.058	0.690	0.057	0.049	0.008	0.805	0.797	0.756	0.854	0.813
	Left	0.757	0.009	0.006	0.000	0.084	0.772	0.766	0.850	0.772	0.856

Table 11-29
Inter-band ULCA Cellular Band Ant 4 and 1A Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 1A Inter-band ULCA Active (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	5	1+2+3	1+2+4	1+2+5	1+2+3+4	1+2+3+5
Body SAR	Back	0.595	0.562	0.187	0.193	0.211	1.344	1.350	1.368	1.537	**1.555**
	Top	0.742	0.032	0.000	0.013	0.000	0.774	0.787	0.774	0.787	0.774
	Bottom	0.031	0.487	0.153	0.026	0.180	0.671	0.544	0.698	0.697	0.851
	Right	0.058	0.004	0.057	0.049	0.008	0.119	0.111	0.070	0.168	0.127
	Left	0.757	0.490	0.006	0.000	0.084	1.253	1.247	1.331	1.253	1.337

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Table 11-30
Inter-band ULCA Cellular Band Ant 4 and 3A Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 3A Inter-band ULCA Active (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	5	1+2+3	1+2+4	1+2+5	1+2+3+4	1+2+3+5
Body SAR	Back	0.595	0.575	0.187	0.193	0.211	1.357	1.363	1.381	1.550	**1.568**
	Top	0.742	0.430	0.000	0.013	0.000	1.172	1.185	1.172	1.185	1.172
	Bottom	0.031	0.010	0.153	0.026	0.180	0.194	0.067	0.221	0.220	0.374
	Right	0.058	0.589	0.057	0.049	0.008	0.704	0.696	0.655	0.753	0.712
	Left	0.757	0.006	0.006	0.000	0.084	0.769	0.763	0.847	0.769	0.853

Table 11-31
Inter-band ULCA Cellular Band Ant 3B and 1A Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Cellular Band Ant 1A Inter-band ULCA Active (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	5	1+2+3	1+2+4	1+2+5	1+2+3+4	1+2+3+5
Body SAR	Back	0.590	0.562	0.187	0.193	0.211	1.339	1.345	1.363	1.532	**1.550**
	Top	0.562	0.032	0.000	0.013	0.000	0.594	0.607	0.594	0.607	0.594
	Bottom	0.008	0.487	0.153	0.026	0.180	0.648	0.521	0.675	0.674	0.828
	Right	0.140	0.004	0.057	0.049	0.008	0.201	0.193	0.152	0.250	0.209
	Left	0.019	0.490	0.006	0.000	0.084	0.515	0.509	0.593	0.515	0.599

Table 11-32
Inter-band ULCA Cellular Band Ant 3B and 3A Simultaneous Transmission Scenario with 5 GHz WLAN

Simult Tx	Configuration	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Cellular Band Ant 3A Inter-band ULCA Active (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)				
		1	2	3	4	5	1+2+3	1+2+4	1+2+5	1+2+3+4	1+2+3+5
Body SAR	Back	0.590	0.575	0.187	0.193	0.211	1.352	1.358	1.376	1.545	**1.563**
	Top	0.562	0.430	0.000	0.013	0.000	0.992	1.005	0.992	1.005	0.992
	Bottom	0.008	0.010	0.153	0.026	0.180	0.171	0.044	0.198	0.197	0.351
	Right	0.140	0.589	0.057	0.049	0.008	0.786	0.778	0.737	0.835	0.794
	Left	0.019	0.006	0.006	0.000	0.084	0.031	0.025	0.109	0.031	0.115

Table 11-33
Inter-band ULCA Cellular Band Ant 4 and 3B Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.595	0.590	0.058	0.195	1.243	1.380	**1.438**
	Top	0.742	0.562	0.046	0.009	1.350	1.313	1.359
	Bottom	0.031	0.008	0.025	0.093	0.064	0.132	0.157
	Right	0.058	0.140	0.116	0.000	0.314	0.198	0.314
	Left	0.757	0.019	0.001	0.114	0.777	0.890	0.891

Table 11-34
Inter-band ULCA Cellular Band Ant 4 and 2A Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 2A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.595	0.643	0.058	0.195	1.296	1.433	**1.491**
	Top	0.742	0.032	0.046	0.009	0.820	0.783	0.829
	Bottom	0.031	0.658	0.025	0.093	0.714	0.782	0.807
	Right	0.058	0.690	0.116	0.000	0.864	0.748	0.864
	Left	0.757	0.009	0.001	0.114	0.767	0.880	0.881

Table 11-35
Inter-band ULCA Cellular Band Ant 4 and 1A Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 1A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.595	0.562	0.058	0.195	1.215	1.352	**1.410**
	Top	0.742	0.032	0.046	0.009	0.820	0.783	0.829
	Bottom	0.031	0.487	0.025	0.093	0.543	0.611	0.636
	Right	0.058	0.004	0.116	0.000	0.178	0.062	0.178
	Left	0.757	0.490	0.001	0.114	1.248	1.361	1.362

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Table 11-36
Inter-band ULCA Cellular Band Ant 4 and 3A Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 3A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.595	0.575	0.058	0.195	1.228	1.365	**1.423**
	Top	0.742	0.430	0.046	0.009	1.218	1.181	1.227
	Bottom	0.031	0.010	0.025	0.093	0.066	0.134	0.159
	Right	0.058	0.589	0.116	0.000	0.763	0.647	0.763
	Left	0.757	0.006	0.001	0.114	0.764	0.877	0.878

Table 11-37
Inter-band ULCA Cellular Band Ant 3B and 1A Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Cellular Band Ant 1A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.590	0.562	0.058	0.195	1.210	1.347	**1.405**
	Top	0.562	0.032	0.046	0.009	0.640	0.603	0.649
	Bottom	0.008	0.487	0.025	0.093	0.520	0.588	0.613
	Right	0.140	0.004	0.116	0.000	0.260	0.144	0.260
	Left	0.019	0.490	0.001	0.114	0.510	0.623	0.624

Table 11-38
Inter-band ULCA Cellular Band Ant 3B and 3A Simultaneous Transmission Scenario with 2.4 GHz BT

Simult Tx	Configuration	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Cellular Band Ant 3A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	Σ SAR (W/kg)		
		1	2	3	4	1+2+3	1+2+4	1+2+3+4
Body SAR	Back	0.590	0.575	0.058	0.195	1.223	1.360	**1.418**
	Top	0.562	0.430	0.046	0.009	1.038	1.001	1.047
	Bottom	0.008	0.010	0.025	0.093	0.043	0.111	0.136
	Right	0.140	0.589	0.116	0.000	0.845	0.729	0.845
	Left	0.019	0.006	0.001	0.114	0.026	0.139	0.140

Table 11-39
Inter-band ULCA Cellular Band Ant 4 and 3B Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	7	1+2+3+4+5+6	1+2+3+4+5+7
Body SAR	Back	0.595	0.590	0.058	0.195	0.187	0.193	0.211	0.648*	0.648*
	Top	0.742	0.562	0.046	0.009	0.000	0.013	0.000	**1.372**	1.359
	Bottom	0.031	0.008	0.025	0.093	0.153	0.026	0.180	0.336	0.490
	Right	0.058	0.140	0.116	0.000	0.057	0.049	0.008	0.420	0.379
	Left	0.757	0.019	0.001	0.114	0.006	0.000	0.084	0.897	0.981

Table 11-40
Inter-band ULCA Cellular Band Ant 4 and 2A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 2A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	7	1+2+3+4+5+6	1+2+3+4+5+7
Body SAR	Back	0.595	0.643	0.058	0.195	0.187	0.193	0.211	1.023*	0.830*
	Top	0.742	0.032	0.046	0.009	0.000	0.013	0.000	0.842	0.829
	Bottom	0.031	0.658	0.025	0.093	0.153	0.026	0.180	0.986	**1.140**
	Right	0.058	0.690	0.116	0.000	0.057	0.049	0.008	0.970	0.929
	Left	0.757	0.009	0.001	0.114	0.006	0.000	0.084	0.887	0.971

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Table 11-41
Inter-band ULCA Cellular Band Ant 4 and 1A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 1A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	7	1+2+3+4+5+6	1+2+3+4+5+7
Body SAR	Back	0.595	0.562	0.058	0.195	0.187	0.193	0.211	0.757*	0.968*
	Top	0.742	0.032	0.046	0.009	0.000	0.013	0.000	0.842	0.829
	Bottom	0.031	0.487	0.025	0.093	0.153	0.026	0.180	0.815	0.969
	Right	0.058	0.004	0.116	0.000	0.057	0.049	0.008	0.284	0.243
	Left	0.757	0.490	0.001	0.114	0.006	0.000	0.084	1.368	**1.452**

Table 11-42
Inter-band ULCA Cellular Band Ant 4 and 3A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 4 Inter-band ULCA Active (W/kg)	Cellular Band Ant 3A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	7	1+2+3+4+5+6	1+2+3+4+5+7
Body SAR	Back	0.595	0.575	0.058	0.195	0.187	0.193	0.211	0.633*	0.633*
	Top	0.742	0.430	0.046	0.009	0.000	0.013	0.000	**1.240**	1.227
	Bottom	0.031	0.010	0.025	0.093	0.153	0.026	0.180	0.338	0.492
	Right	0.058	0.589	0.116	0.000	0.057	0.049	0.008	0.869	0.828
	Left	0.757	0.006	0.001	0.114	0.006	0.000	0.084	0.884	0.968

Table 11-43
Inter-band ULCA Cellular Band Ant 3B and 1A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Cellular Band Ant 1A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	7	1+2+3+4+5+6	1+2+3+4+5+7
Body SAR	Back	0.590	0.562	0.058	0.195	0.187	0.193	0.211	0.757*	0.968*
	Top	0.562	0.032	0.046	0.009	0.000	0.013	0.000	0.662	0.649
	Bottom	0.008	0.487	0.025	0.093	0.153	0.026	0.180	0.792	**0.946**
	Right	0.140	0.004	0.116	0.000	0.057	0.049	0.008	0.366	0.325
	Left	0.019	0.490	0.001	0.114	0.006	0.000	0.084	0.630	0.714

Table 11-44
Inter-band ULCA Cellular Band Ant 3B and 3A Simultaneous Transmission Scenario with 2.4 GHz BT MIMO and 5 GHz WLAN MIMO

Simult Tx	Configuration	Cellular Band Ant 3B Inter-band ULCA Active (W/kg)	Cellular Band Ant 3A Inter-band ULCA Active (W/kg)	Bluetooth Ant 3A at 6.75 dBm SAR (W/kg)	Bluetooth Ant 1A at 6.75 dBm SAR (W/kg)	5 GHz WLAN Ant 2B Reduced SAR (W/kg)	5 GHz WLAN Ant 2A Reduced SAR (W/kg)	5 GHz WLAN Ant 1B Reduced SAR (W/kg)	Σ SAR (W/kg)	
		1	2	3	4	5	6	7	1+2+3+4+5+6	1+2+3+4+5+7
Body SAR	Back	0.590	0.575	0.058	0.195	0.187	0.193	0.211	1.223*	1.223*
	Top	0.562	0.430	0.046	0.009	0.000	0.013	0.000	**1.060**	1.047
	Bottom	0.008	0.010	0.025	0.093	0.153	0.026	0.180	0.315	0.469
	Right	0.140	0.589	0.116	0.000	0.057	0.049	0.008	0.951	0.910
	Left	0.019	0.006	0.001	0.114	0.006	0.000	0.084	0.146	0.230

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Table 11-45
Simultaneous Transmission Scenario with 2.4 GHz Bluetooth

Simult Tx	Configuration	Bluetooth Ant 3A SAR (W/kg)	Bluetooth Ant 1A SAR (W/kg)	Σ SAR (W/kg)
		1	2	1+2
Body SAR	Back	0.604	1.138	1.138*
	Top	0.476	0.009	0.485
	Bottom	0.025	0.424	0.449
	Right	1.186	0.000	**1.186**
	Left	0.001	1.052	1.053

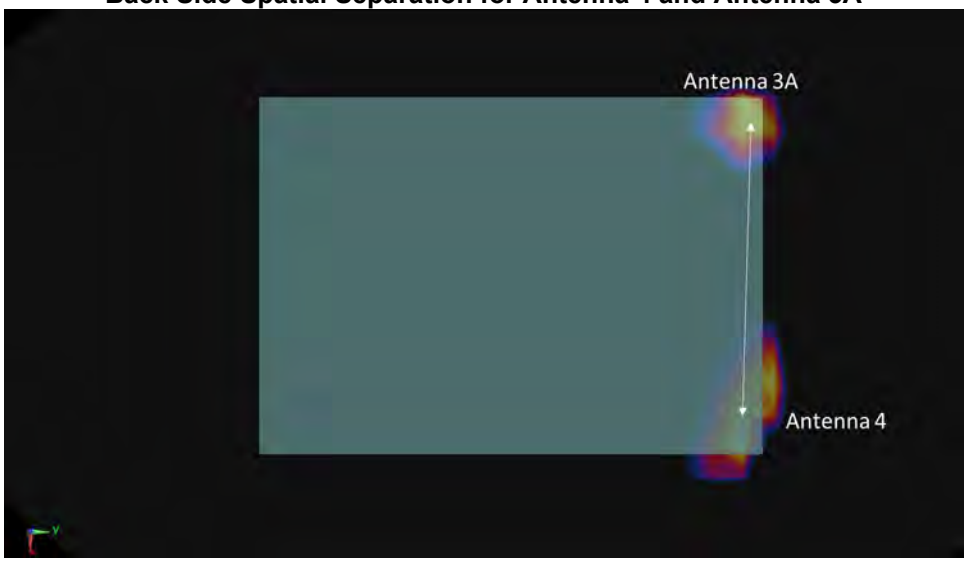
11.2 Spatial Separation Analysis

Per FCC KDB Publication 248227, antennas may be considered spatially separated when the aggregate SAR from multiple antennas at any location in the combined SAR distribution is either ≤ 1.2 W/kg where at least 90% of the SAR is attributed to a single SAR distribution or ≤ 0.4 W/kg where no more than one SAR distribution is contributing > 0.1 W/kg.

Spatial separation was determined by inspection of the area scan SAR distributions to confirm that at all locations, SAR was < 1.2 W/kg, where at least 90% of the SAR is attributed to a single SAR distribution. See below for illustrations of the spatial separated antennas considered.

11.2.1 Back Side Spatial Separation Analysis

Figure 11-1
Back Side Spatial Separation for Antenna 4 and Antenna 3A



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Figure 11-2
Back Side Spatial Separation for Antenna 4 and Antenna 1A

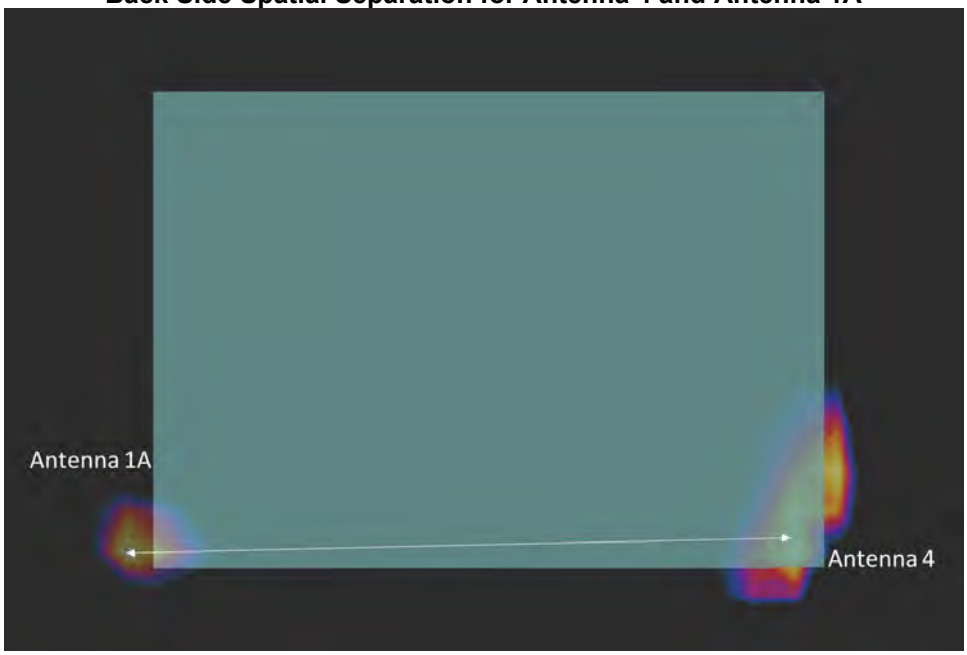
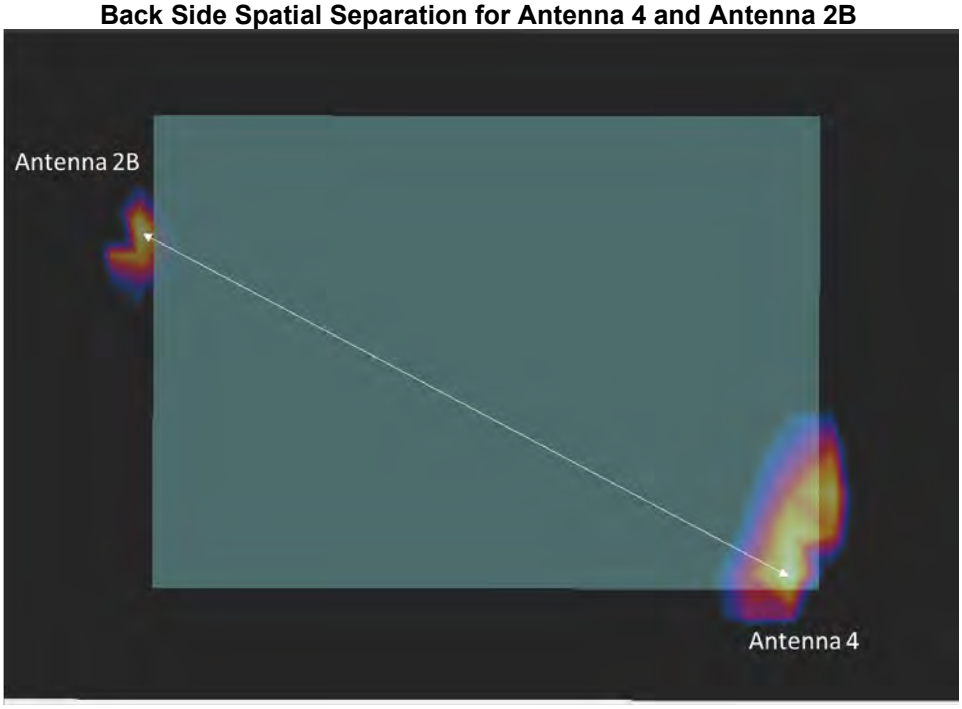


Figure 11-3
Back Side Spatial Separation for Antenna 4 and Antenna 2B



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Figure 11-4
Back Side Spatial Separation for Antenna 4 and Antenna 2A

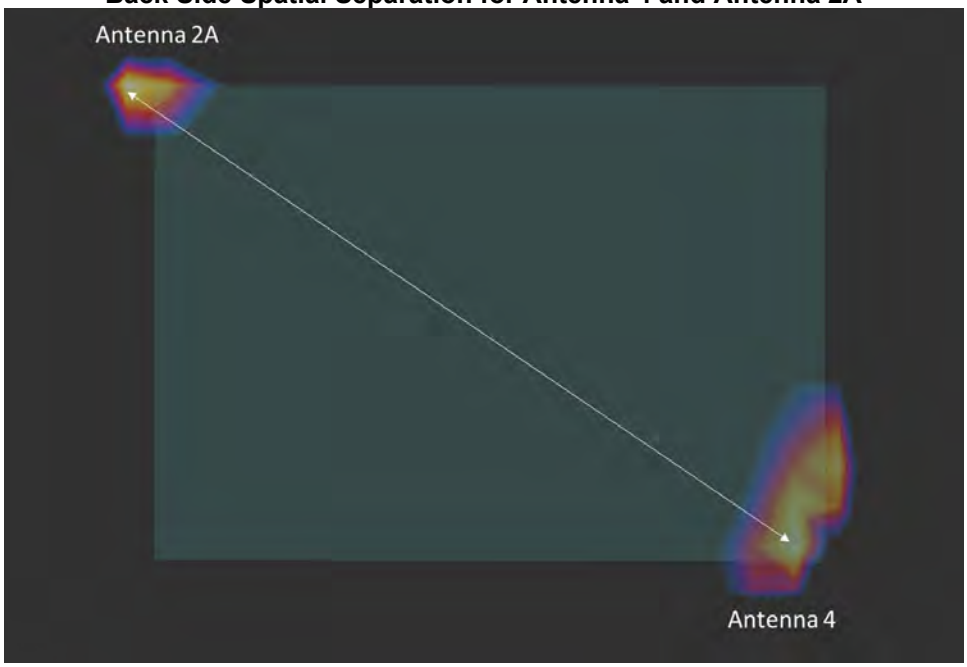
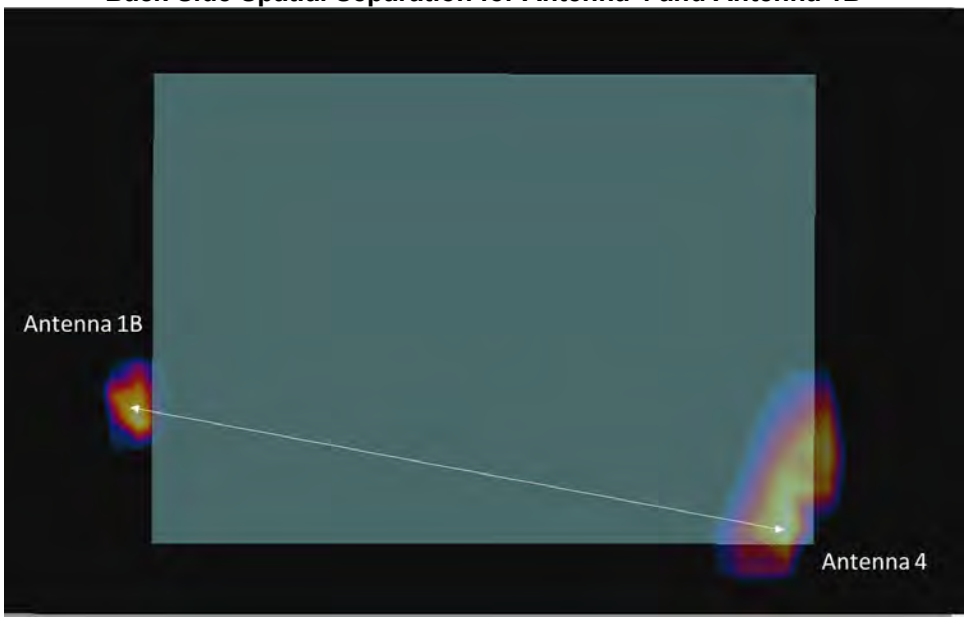


Figure 11-5
Back Side Spatial Separation for Antenna 4 and Antenna 1B



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Figure 11-6
Back Side Spatial Separation for Antenna 3B and Antenna 1A

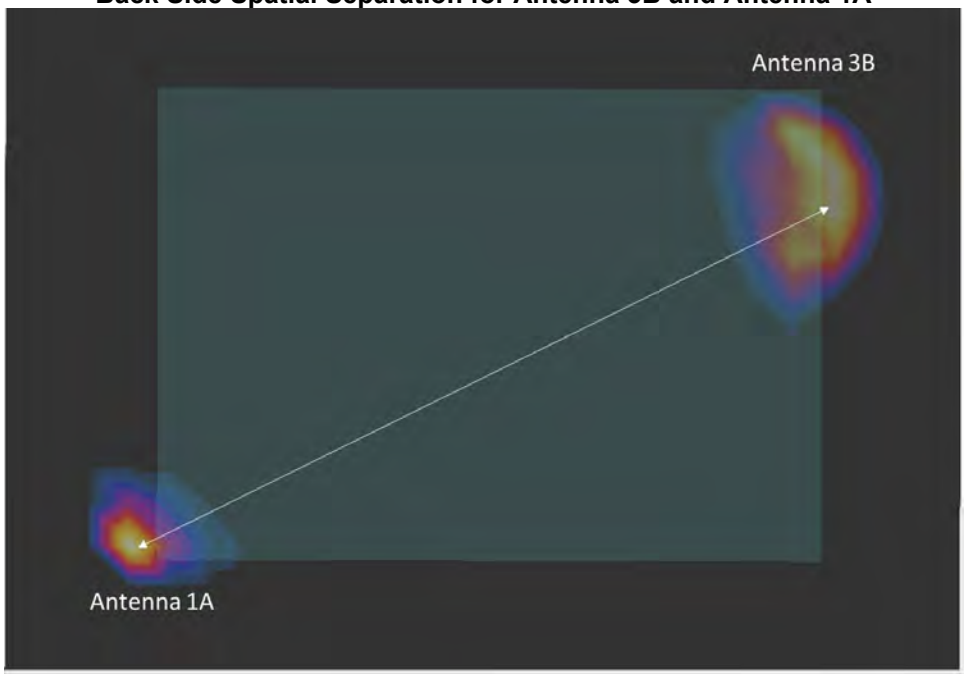
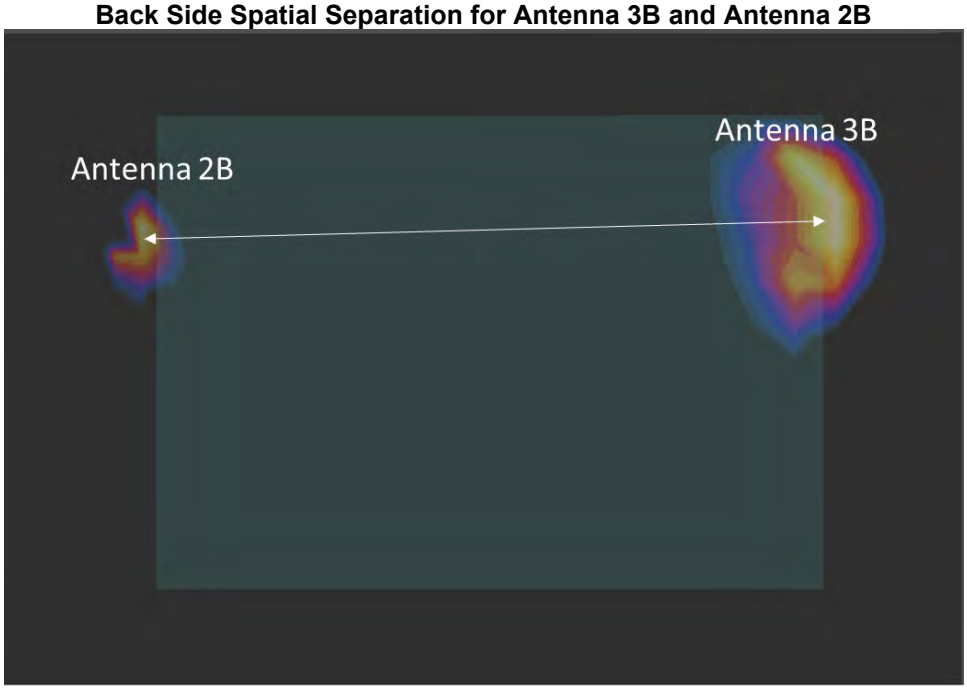


Figure 11-7
Back Side Spatial Separation for Antenna 3B and Antenna 2B



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Figure 11-8
Back Side Spatial Separation for Antenna 3B and Antenna 2A

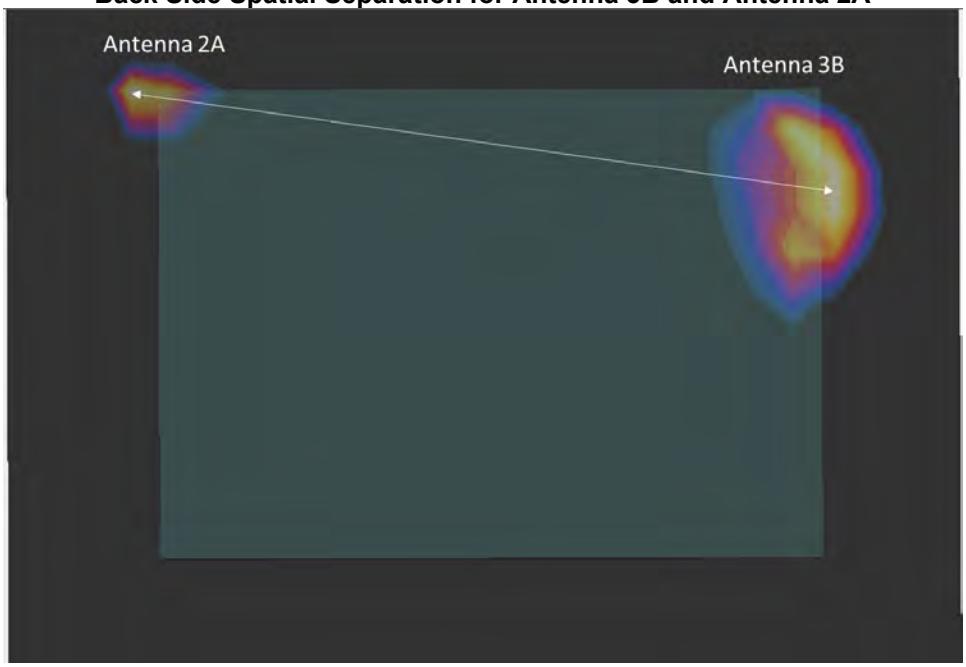
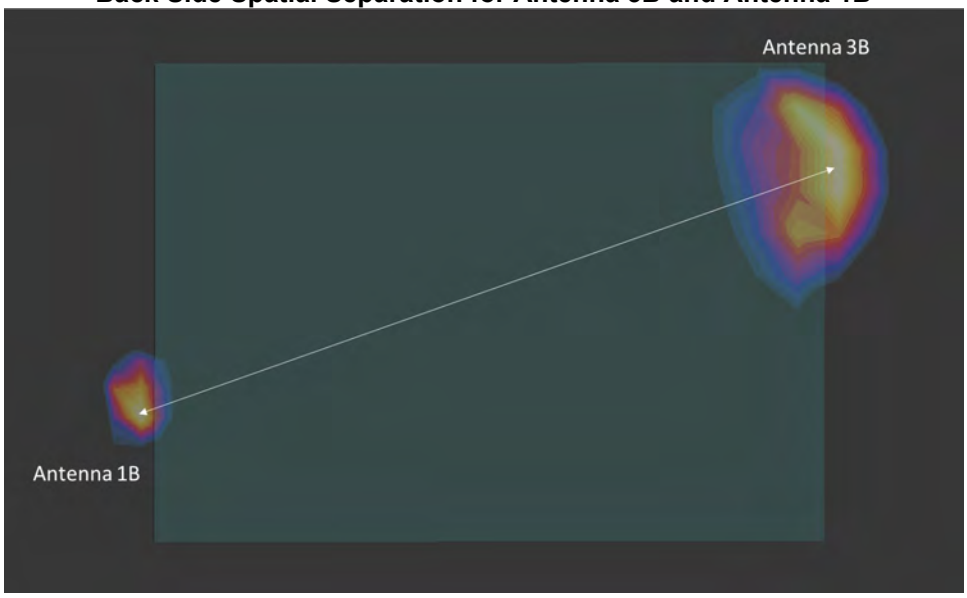


Figure 11-9
Back Side Spatial Separation for Antenna 3B and Antenna 1B



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Figure 11-10
Back Side Spatial Separation for Antenna 1A and Antenna 3A

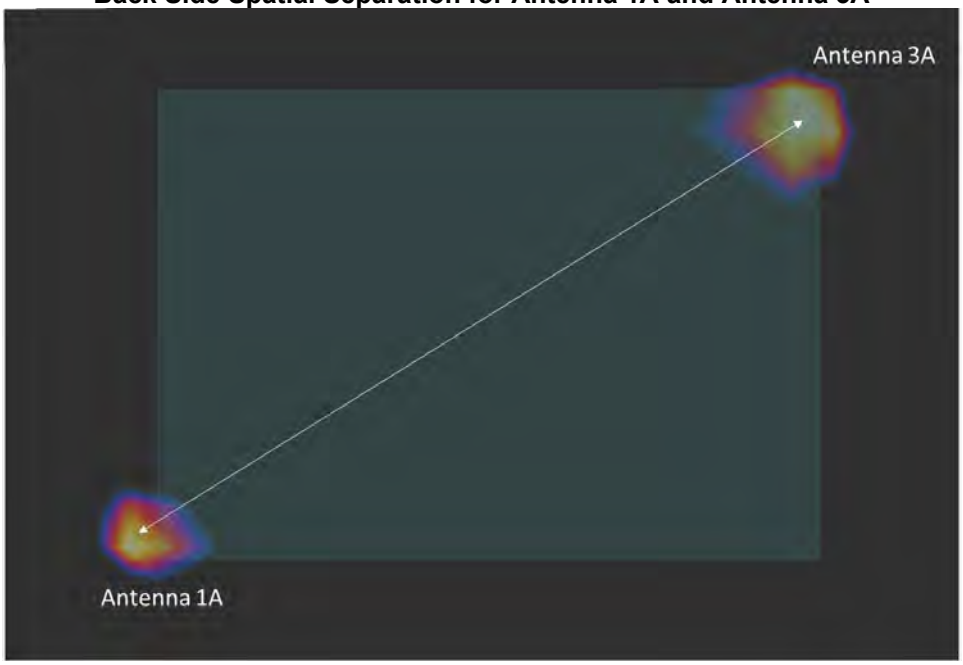


Figure 11-11
Back Side Spatial Separation for Antenna 1A and Antenna 2A



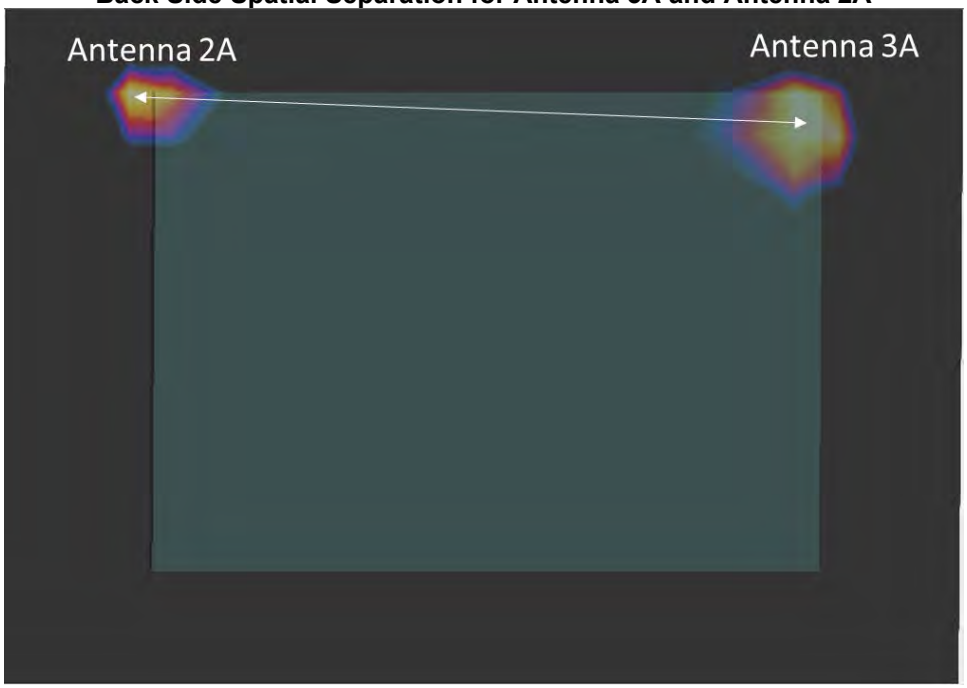
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Figure 11-12
Back Side Spatial Separation for Antenna 1A and Antenna 2B



Figure 11-13
Back Side Spatial Separation for Antenna 3A and Antenna 2A



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Figure 11-14
Back Side Spatial Separation for Antenna 3A and Antenna 2B

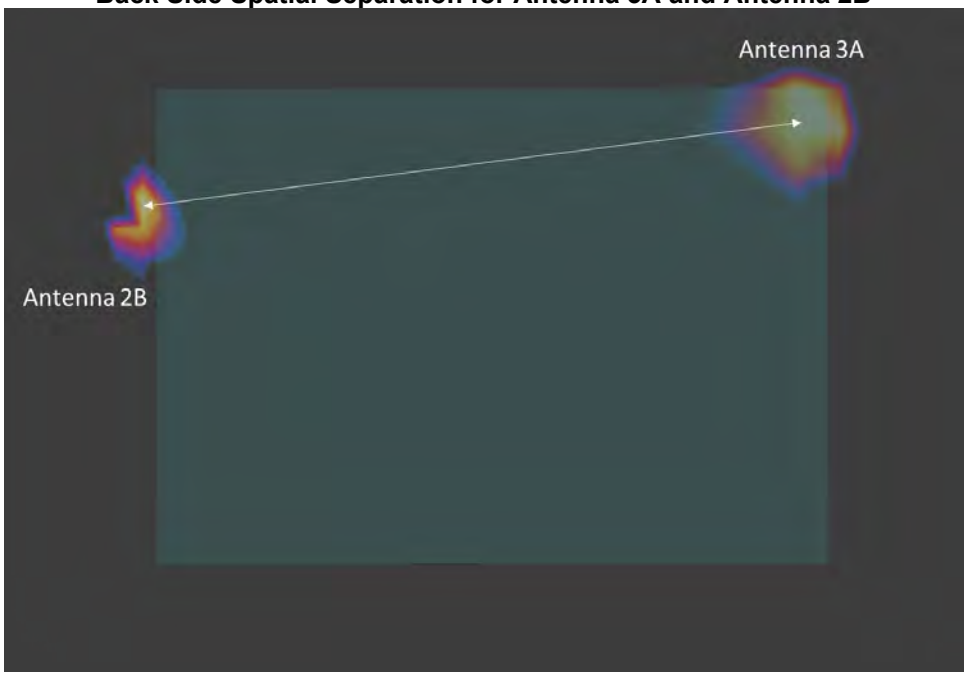
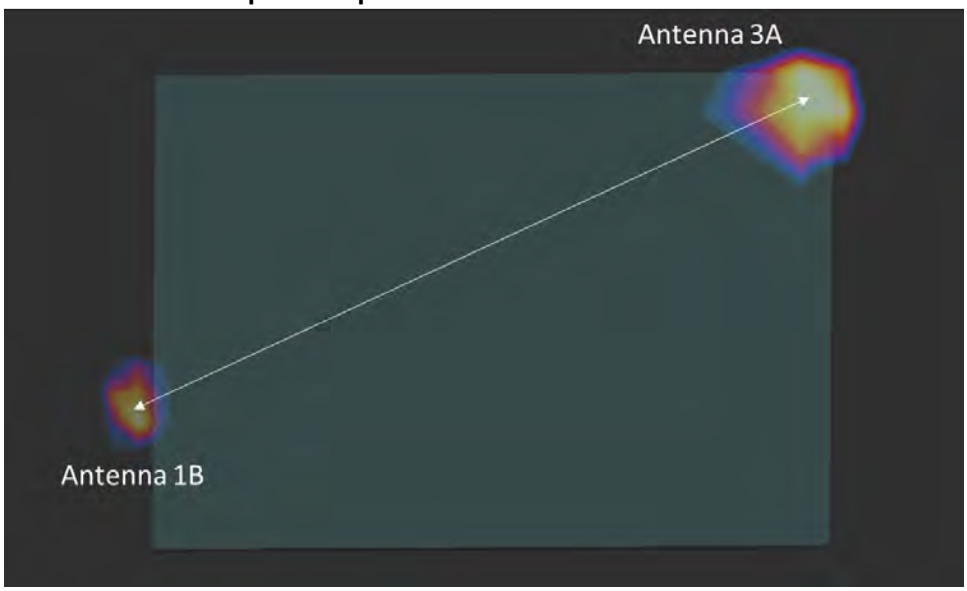


Figure 11-15
Back Side Spatial Separation for Antenna 3A and Antenna 1B



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Figure 11-16
Back Side Spatial Separation for Antenna 1B and Antenna 2A

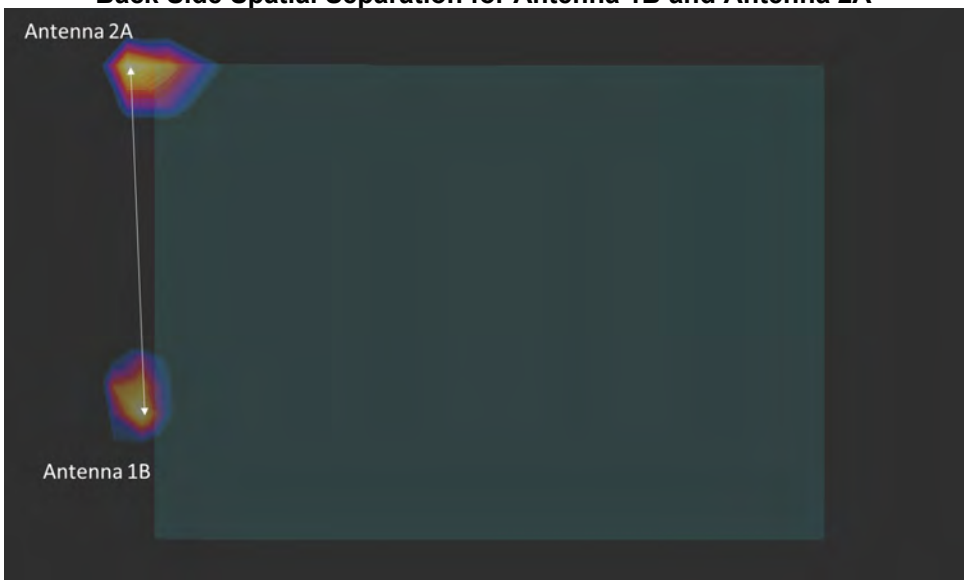
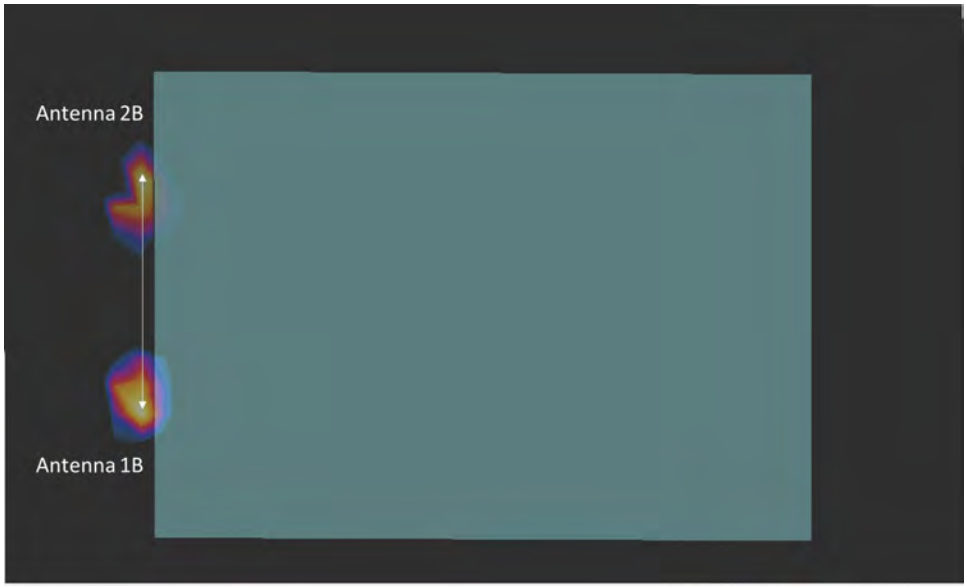


Figure 11-17
Back Side Spatial Separation for Antenna 1B and Antenna 2B



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11.2.2 Bottom Edge Spatial Separation Analysis

Figure 11-18
Bottom Edge Spatial Separation for Antenna 1A and Antenna 2B

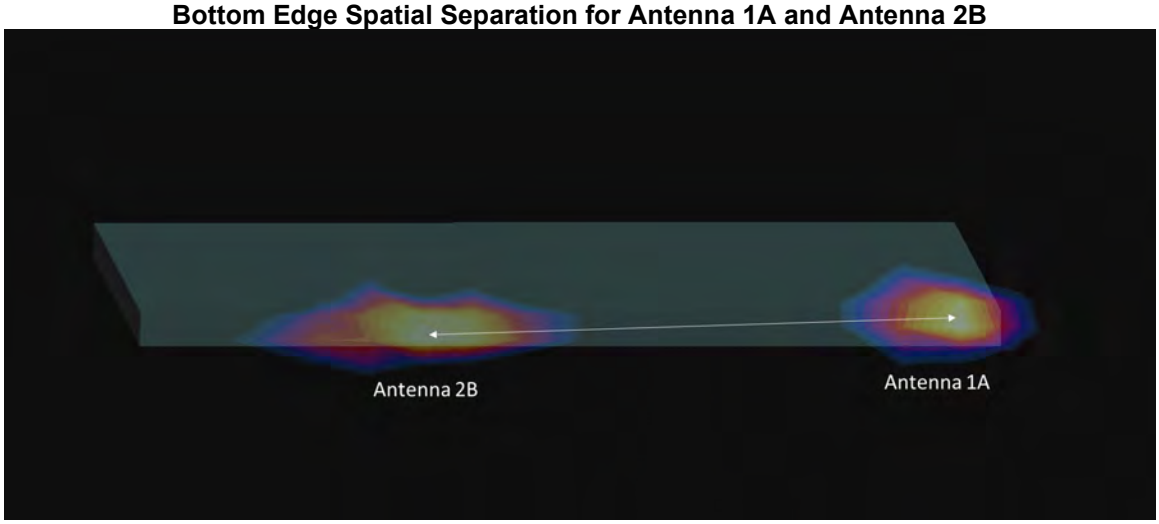
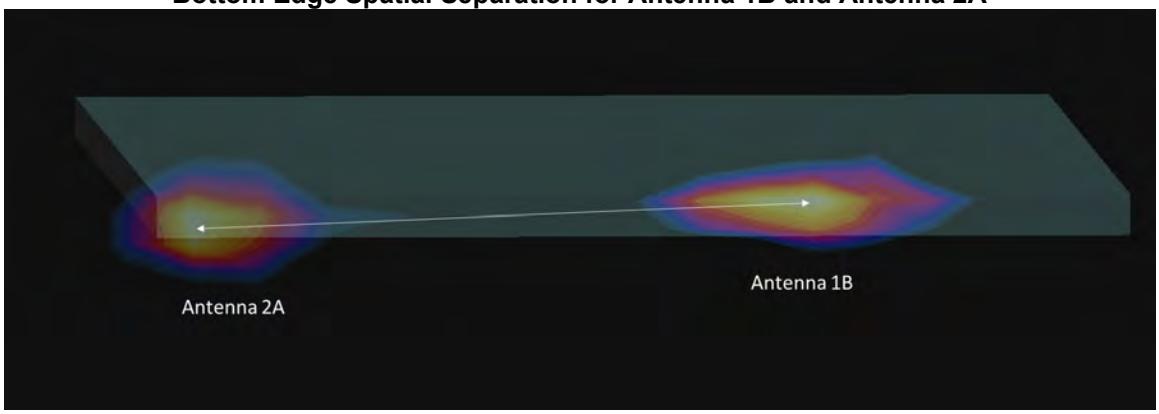


Figure 11-19
Bottom Edge Spatial Separation for Antenna 1B and Antenna 2A

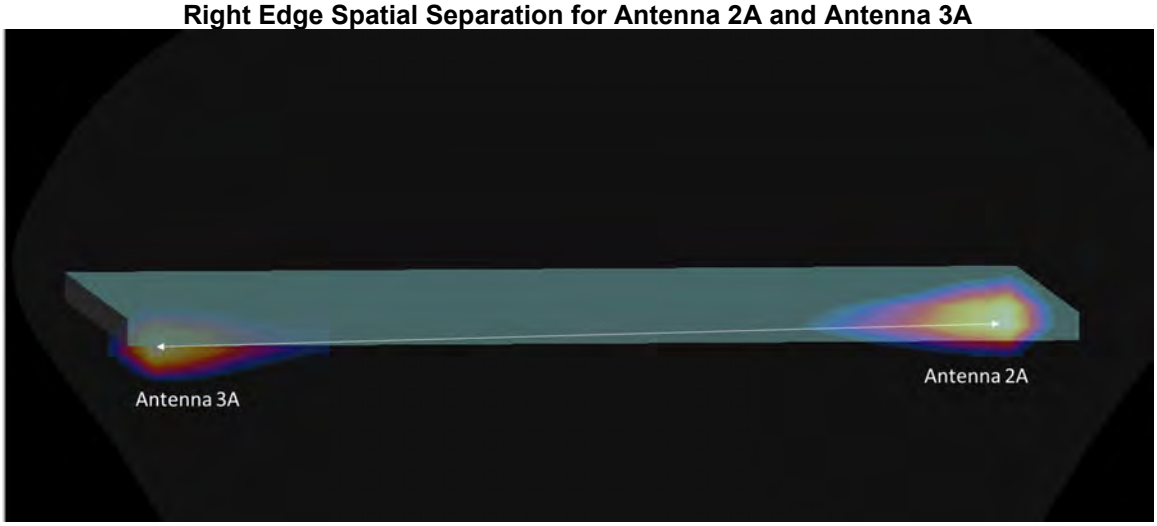


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11.2.3 Right Edge Spatial Separation Analysis

Figure 11-20
Right Edge Spatial Separation for Antenna 2A and Antenna 3A

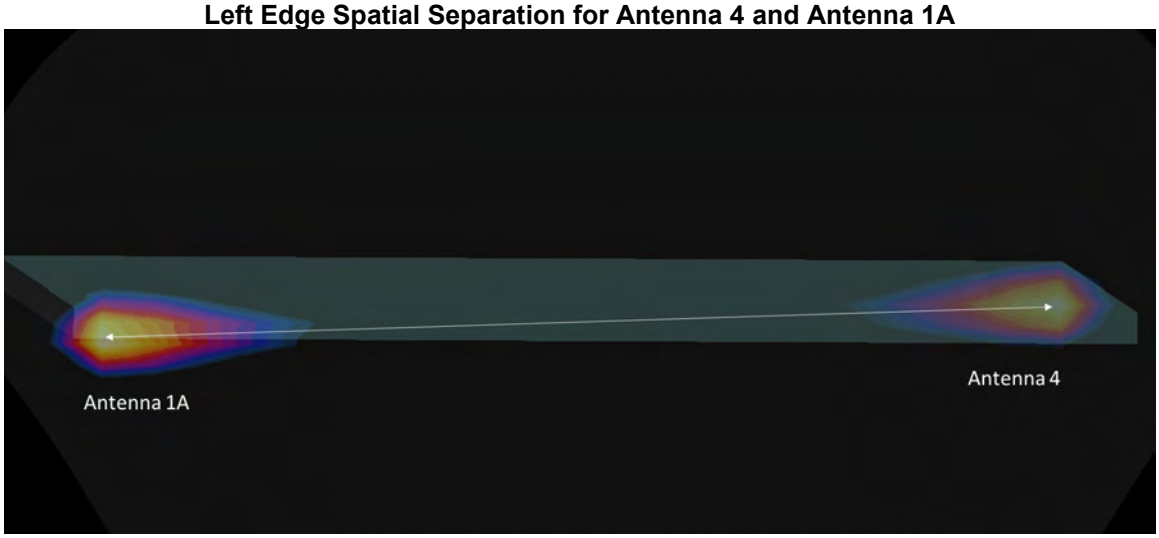


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11.2.4 Left Edge Spatial Separation Analysis

Figure 11-21
Left Edge Spatial Separation for Antenna 4 and Antenna 1A



11.3 Simultaneous Transmission Conclusion

The above numerical summed SAR results and spatial separation analysis for all the worst-case simultaneous transmission conditions were below the SAR limit. Therefore, the above analysis is sufficient to determine that simultaneous transmission cases will not exceed the SAR limit and therefore no measured volumetric simultaneous SAR summation is required per FCC KDB Publication 447498 D01v06 and IEEE 1528-2013 Section 6.3.4.1.2.

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12 SAR MEASUREMENT VARIABILITY

12.1 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

Table 12-1
Body SAR Measurement Variability Results

BODY VARIABILITY RESULTS															
Band	FREQUENCY		Mode	Antenna	Service	Data Rate (Mbps)	Side	Spacing	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	782.00	23230	LTE Band 13, 10 MHz Bandwidth	Ant 4	QPSK, 1 RB, 0 RB Offset	N/A	back	0 mm	1.120	1.010	1.11	N/A	N/A	N/A	N/A
835	846.60	4233	UMTS 850	Ant 3B	RMC	N/A	back	0 mm	1.180	1.120	1.05	N/A	N/A	N/A	N/A
1750	1752.60	1513	UMTS 1750	Ant 4	RMC	N/A	back	0 mm	1.180	1.080	1.09	N/A	N/A	N/A	N/A
1900	1852.40	9262	UMTS 1900	Ant 4	RMC	N/A	back	0 mm	1.160	1.070	1.08	N/A	N/A	N/A	N/A
2300	2310.00	27710	LTE Band 30, 10 MHz Bandwidth	Ant 1A	QPSK, 25 RB, 25 RB Offset	N/A	back	0 mm	1.070	1.070	1.00	N/A	N/A	N/A	N/A
2450	2510.00	20850	LTE Band 7, 20 MHz Bandwidth	Ant 2A	QPSK, 50 RB, 50 RB Offset	N/A	back	0 mm	1.180	1.170	1.01	N/A	N/A	N/A	N/A
	2529.80	21048			QPSK, 50 RB, 0 RB Offset										
2600	2680.00	41490	LTE Band 41, 20 MHz Bandwidth	Ant 1A	QPSK, 100 RB, 0 RB Offset	N/A	back	0 mm	1.100	1.090	1.01	N/A	N/A	N/A	N/A
3500	3560.00	55340	LTE Band 48, 20 MHz Bandwidth	Ant 4	QPSK, 100 RB, 0 RB Offset	N/A	back	0 mm	0.988	0.975	1.01	N/A	N/A	N/A	N/A
3700	3690.00	56640	LTE Band 48, 20 MHz Bandwidth	Ant 4	QPSK, 1 RB, 99 RB Offset	N/A	back	0 mm	1.040	1.010	1.03	N/A	N/A	N/A	N/A
5250	5210.00	42	802.11ac, 80 MHz Bandwidth	Ant 2A	OFDM	29.3	back	0 mm	0.907	0.873	1.04	N/A	N/A	N/A	N/A
5600	5610.00	122	802.11ac, 80 MHz Bandwidth	Ant 2B	OFDM	29.3	back	0 mm	1.080	0.945	1.14	N/A	N/A	N/A	N/A
5750	5690.00	138	802.11ac, 80 MHz Bandwidth	Ant 2B	OFDM	29.3	back	0 mm	1.050	1.040	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						

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12.2 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.

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13 ADDITIONAL TESTING PER FCC GUIDANCE

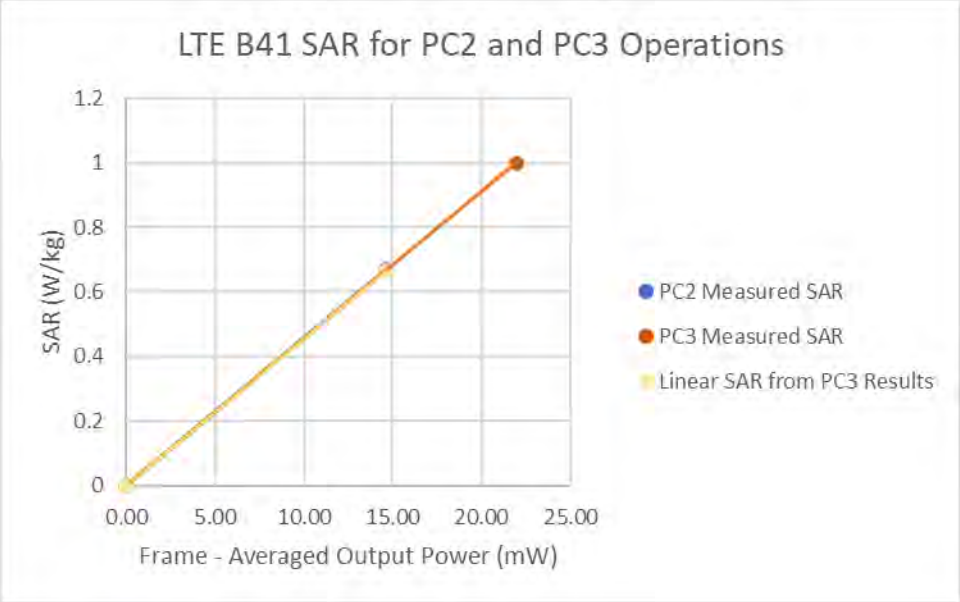
13.1 LTE Band 41 Power Class 2 and Power Class 3 Linearity

This device supports Power Class 2 and Power Class 3 operations for LTE Band 41. The highest available duty cycle for Power Class 2 operations is 43.3 % using UL-DL configuration 1. Per May 2017 TCB Workshop Notes based on the device behavior, all SAR tests were performed using Power Class 3. SAR with Power Class 2 at the highest power and available duty factor was additionally performed for the Power Class 3 configuration with the highest SAR for each exposure condition. The linearity between the Power Class 2 and Power Class 3 SAR results and the respective frame averaged powers was calculated to determine that the results were linear. When ULCA is active, the linearity between the Power Class 2 with ULCA active and Power Class 3 with ULCA active SAR results and the respective frame averaged powers was calculated to determine that the results were linear. Per May 2017 TCB Workshop, no additional SAR measurements were required since the linearity between power classes was < 10% and all reported SAR values were < 1.4 W/kg for 1g and < 3.5 W/kg for 10g.

Table 13-1
LTE Band 41 Body Linearity Data – Ant 4

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	15.6	15.6
Measured Output Power (dBm)	15.4	15.28
Measured SAR (W/kg)	1	0.668
Measured Power (mW)	34.67	33.73
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	21.95	14.60
% deviation from expected linearity		0.39%

Figure 13-1
LTE Band 41 Body Linearity – Ant 4



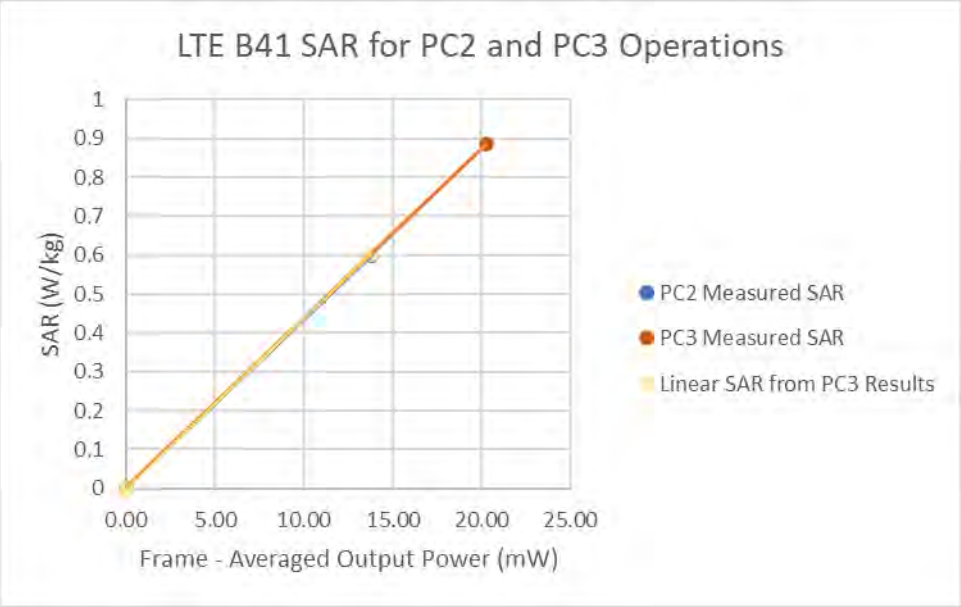
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Table 13-2
LTE Band 41 ULCA Body Linearity Data – Ant 4

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	15.6	15.6
Measured Output Power (dBm)	15.05	15.03
Measured SAR (W/kg)	0.886	0.6
Measured Power (mW)	31.99	31.84
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	20.25	13.79
% deviation from expected linearity		-0.54%

Figure 13-2
LTE Band 41 ULCA Body Linearity – Ant 4



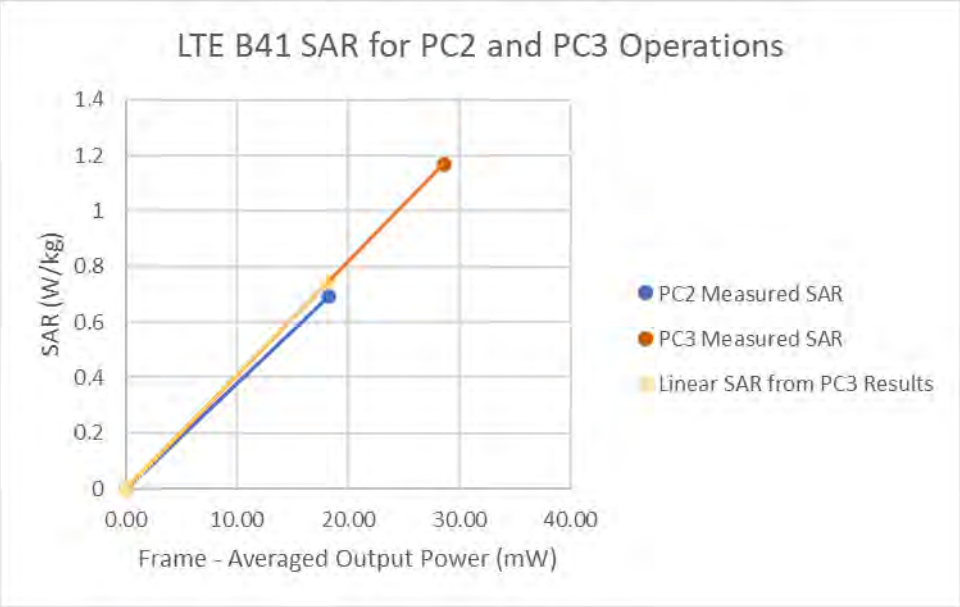
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Table 13-3
LTE Band 41 Body Linearity Data – Ant 2A

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	16.6	16.6
Measured Output Power (dBm)	16.55	16.25
Measured SAR (W/kg)	1.17	0.693
Measured Power (mW)	45.19	42.17
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	28.60	18.26
% deviation from expected linearity		-7.22%

Figure 13-3
LTE Band 41 Body Linearity – Ant 2A



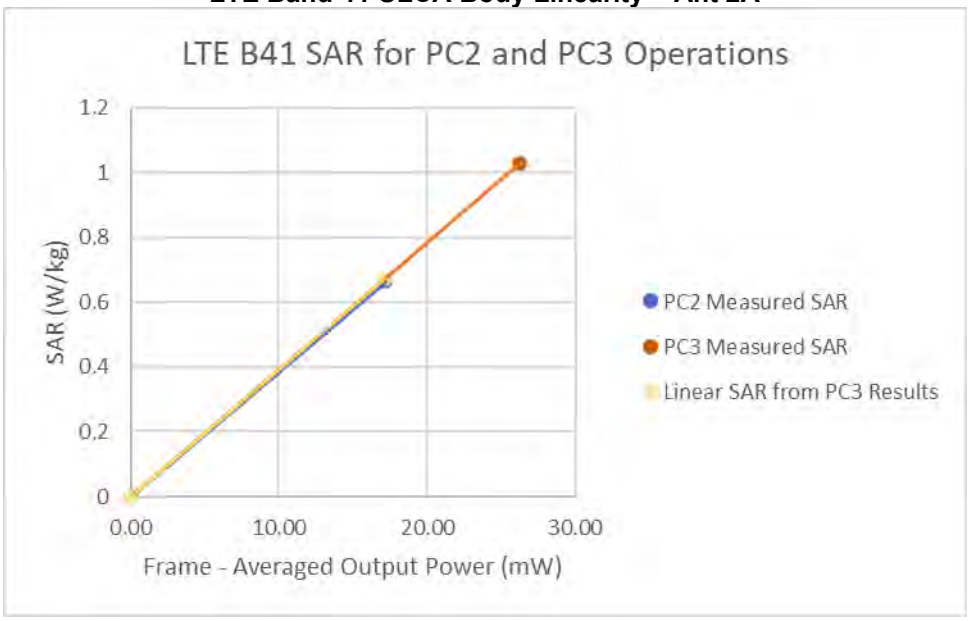
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Table 13-4
LTE Band 41 ULCA Body Linearity Data – Ant 2A

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	16.6	16.6
Measured Output Power (dBm)	16.18	15.98
Measured SAR (W/kg)	1.03	0.664
Measured Power (mW)	41.50	39.63
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	26.27	17.16
% deviation from expected linearity		-1.32%

Figure 13-4
LTE Band 41 ULCA Body Linearity – Ant 2A



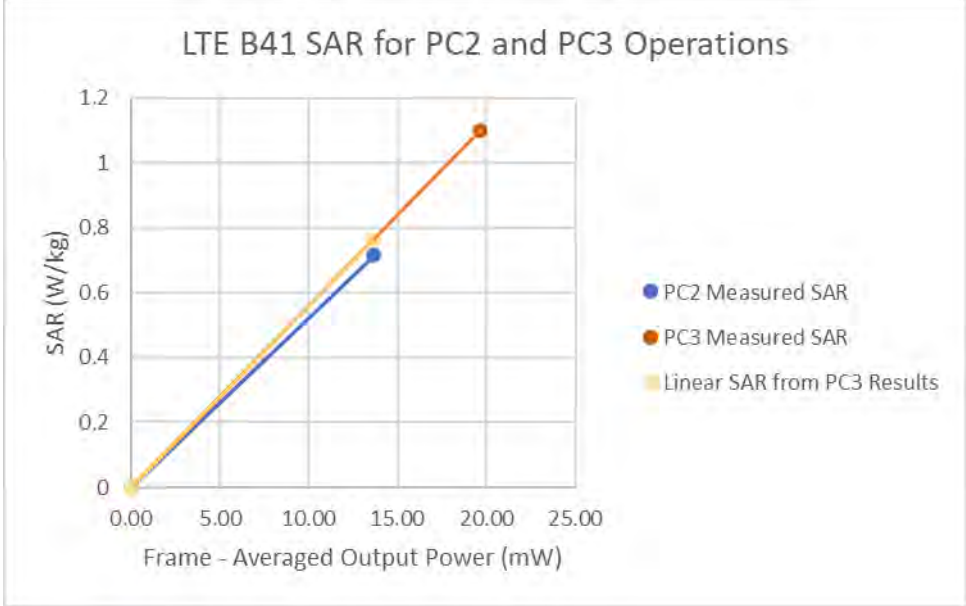
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Table 13-5
LTE Band 41 Body Linearity Data – Ant 1A

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	15	15
Measured Output Power (dBm)	14.92	14.99
Measured SAR (W/kg)	1.10	0.716
Measured Power (mW)	31.05	31.55
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	19.65	13.66
% deviation from expected linearity		-6.37%

Figure 13-5
LTE Band 41 Body Linearity – Ant 1A



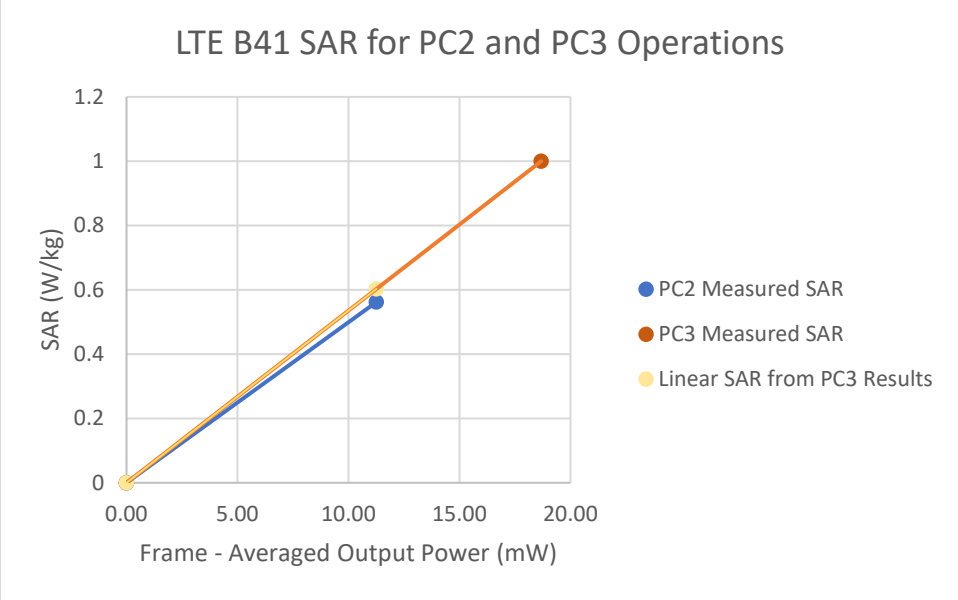
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Table 13-6
LTE Band 41 ULCA Body Linearity Data – Ant 1A

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	15	15
Measured Output Power (dBm)	14.7	14.15
Measured SAR (W/kg)	1.00	0.562
Measured Power (mW)	29.51	26.00
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	18.68	11.26
% deviation from expected linearity		-6.75%

Figure 13-6
LTE Band 41 ULCA Body Linearity – Ant 1A



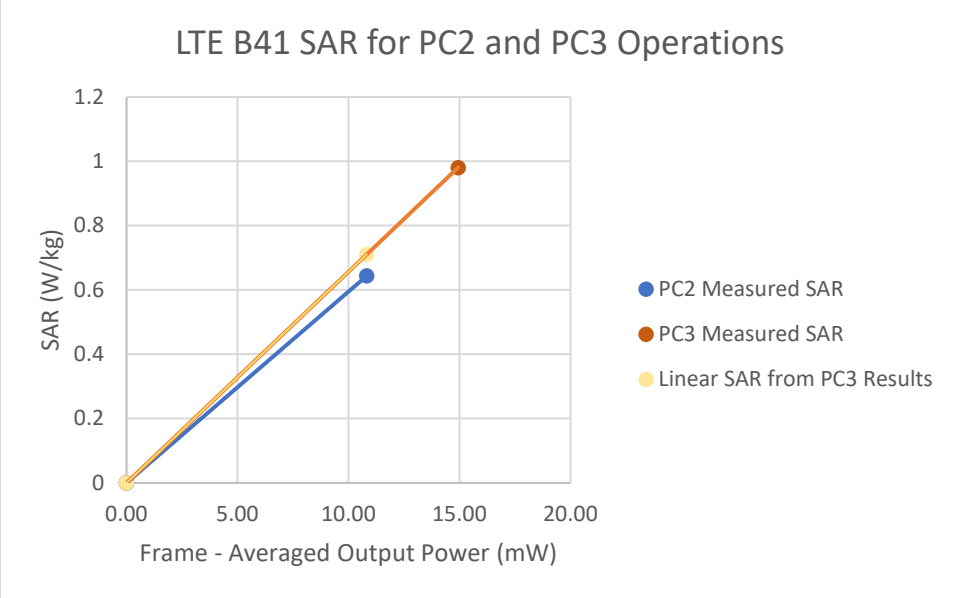
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Table 13-7
LTE Band 41 Body Linearity Data – Ant 3A

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.2	14.2
Measured Output Power (dBm)	13.73	13.98
Measured SAR (W/kg)	0.981	0.644
Measured Power (mW)	23.60	25.00
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	14.94	10.83
% deviation from expected linearity		-9.40%

Figure 13-7
LTE Band 41 Body Linearity – Ant 3A



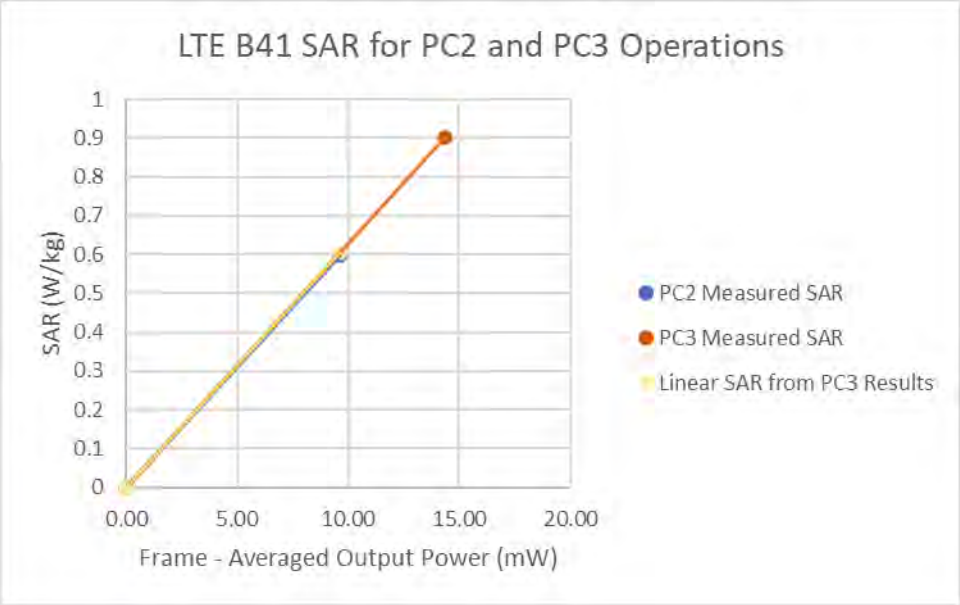
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Table 13-8
LTE Band 41 ULCA Body Linearity Data – Ant 3A

	LTE Band 41 PC3	LTE Band 41 PC2
Maximum Allowed Output Power (dBm)	14.2	14.2
Measured Output Power (dBm)	13.55	13.46
Measured SAR (W/kg)	0.901	0.596
Measured Power (mW)	22.65	22.18
Duty Cycle	63.3%	43.3%
Frame Averaged Output Power (mW)	14.34	9.60
% deviation from expected linearity		-1.27%

Figure 13-8
LTE Band 41 ULCA Body Linearity – Ant 3A



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14 EQUIPMENT LIST

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent	E4438C	ESG Vector Signal Generator	9/11/2019	Annual	9/11/2020	MY45093678
Agilent	E4438C	ESG Vector Signal Generator	9/30/2019	Annual	9/30/2020	US41460739
Agilent	E4438C	ESG Vector Signal Generator	9/13/2019	Annual	9/13/2020	MY42081752
Agilent	E5515C	Wireless Communications Test Set	5/18/2020	Biennial	5/18/2022	GB43193591
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343972
Amplifier Research	15S1G6	Amplifier	CBT	N/A	CBT	343971
Amplifier Research	150A100C	Amplifier	CBT	N/A	CBT	350132
Anritsu	MA24106A	USB Power Sensor	2/27/2020	Annual	2/27/2021	1520503
Anritsu	MA24106A	USB Power Sensor	2/27/2020	Annual	2/27/2021	1520501
Anritsu	MA24106A	USB Power Sensor	7/24/2020	Annual	7/24/2021	1231538
Anritsu	MA2411B	Pulse Power Sensor	1/21/2020	Annual	1/21/2021	1339007
Anritsu	ML2495A	Power Meter	11/15/2019	Annual	11/15/2020	1039008
Anritsu	ML2496A	Power Meter	12/17/2019	Annual	12/17/2020	1138001
Anritsu	MT8821C	Radio Communication Analyzer	3/10/2020	Annual	3/10/2021	6200901190
Anritsu	MT8821C	Radio Communication Analyzer	5/21/2020	Annual	5/21/2021	6201144419
Control Company	4352	Ultra Long Stem Thermometer	11/29/2018	Biennial	11/29/2020	181766816
Control Company	4352	Ultra Long Stem Thermometer	11/29/2018	Biennial	11/29/2020	181766817
Control Company	4352	Ultra Long Stem Thermometer	11/29/2018	Biennial	11/29/2020	181766801
Control Company	4352	Ultra Long Stem Thermometer	11/29/2018	Biennial	11/29/2020	181766777
Control Company	4040	Therm./Clock/Humidity Monitor	6/29/2019	Biennial	6/29/2021	192291470
Control Company	4040	Therm./Clock/Humidity Monitor	6/29/2019	Biennial	6/29/2021	192291455
Control Company	4040	Therm./Clock/Humidity Monitor	6/29/2019	Biennial	6/29/2021	192291460
Insize	1108-150	Digital Caliper	1/17/2020	Biennial	1/17/2022	0409193536
MCL	BW-N3W5+	3dB Attenuator	CBT	N/A	CBT	1812
MCL	BW-N6W5+	6dB Attenuator	CBT	N/A	CBT	1311
MCL	BW-N10W5+	10dB Attenuator	CBT	N/A	CBT	1611
Mini-Circuits	NLP-1000+	Low Pass Filter	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-1200+	Low Pass Filter	CBT	N/A	CBT	N/A
Mini-Circuits	NLP-2950+	Low Pass Filter	CBT	N/A	CBT	N/A
Mini-Circuits	VLF-6000+	Low Pass Filter	CBT	N/A	CBT	N/A
Pasternack	PE2208-6	Bidirectional Coupler	CBT	N/A	CBT	N/A
Mini-Circuits	ZHDC-16-63-S+	50-6000MHz Bidirectional Coupler	CBT	N/A	CBT	N/A
Rohde & Schwarz	ZVC	Vector Network Analyzer	10/18/2018	Biennial	10/18/2020	100056
Rohde & Schwarz	FSP-7	Spectrum Analyzer	1/9/2020	Biennial	1/9/2022	100990
Rohde & Schwarz	CMW500	Radio Communication Tester	8/26/2019	Annual	8/26/2020	100976
Rohde & Schwarz	CMW500	Radio Communication Tester	8/20/2019	Annual	8/20/2020	106578
Rohde & Schwarz	CMW500	Radio Communication Tester	10/15/2019	Annual	10/15/2020	109366
Rohde & Schwarz	CMW500	Radio Communication Tester	8/27/2019	Annual	8/27/2020	116743
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	2/4/2020	Annual	2/4/2021	162125
SPEAG	DAKS-3.5	Portable DAK	9/10/2019	Annual	9/10/2020	1045
SPEAG	D750V3	750 MHz SAR Dipole	9/8/2017	Triennial	9/8/2020	1097
SPEAG	D835V2	835 MHz SAR Dipole	5/18/2018	Triennial	5/18/2021	4d180
SPEAG	D850V2	850 MHz SAR Dipole	9/8/2017	Triennial	9/8/2020	1010
SPEAG	D1750V2	1750 MHz SAR Dipole	9/7/2017	Triennial	9/7/2020	1104
SPEAG	D1750V2	1750 MHz SAR Dipole	5/15/2018	Triennial	5/15/2021	1092
SPEAG	D1900V2	1900 MHz SAR Dipole	9/7/2017	Triennial	9/7/2020	5d181
SPEAG	D1900V2	1900 MHz SAR Dipole	6/19/2019	Biennial	6/19/2021	5d030
SPEAG	D2300V2	2300 MHz SAR Dipole	3/7/2018	Triennial	3/7/2021	1038
SPEAG	D2450V2	2450 MHz SAR Dipole	5/16/2018	Triennial	5/16/2021	945
SPEAG	D2450V2	2450 MHz SAR Dipole	6/14/2019	Biennial	6/14/2021	750
SPEAG	D2600V2	2600 MHz SAR Dipole	6/14/2019	Biennial	6/14/2021	1042
SPEAG	D2600V2	2600 MHz SAR Dipole	6/19/2018	Triennial	6/19/2021	1009
SPEAG	D3500V2	3500 MHz SAR Dipole	9/14/2020	Biennial	9/14/2022	1055
SPEAG	D3700V2	3700 MHz SAR Dipole	10/17/2019	Annual	10/17/2020	1002
SPEAG	D5GHzV2	5 GHz SAR Dipole	3/13/2018	Triennial	3/13/2021	1123
SPEAG	DAE4	Dasy Data Acquisition Electronics	4/15/2020	Annual	4/15/2021	501
SPEAG	DAE4	Dasy Data Acquisition Electronics	1/14/2020	Annual	1/14/2021	793
SPEAG	DAE4	Dasy Data Acquisition Electronics	3/19/2020	Annual	3/19/2021	604
SPEAG	DAE4	Dasy Data Acquisition Electronics	2/13/2020	Annual	2/13/2021	1403
SPEAG	DAE4	Dasy Data Acquisition Electronics	4/14/2020	Annual	4/14/2021	1532
SPEAG	DAE4	Dasy Data Acquisition Electronics	6/11/2020	Annual	6/11/2021	701
SPEAG	DAE4	Dasy Data Acquisition Electronics	7/9/2020	Annual	7/9/2021	1402
SPEAG	DAE4	Dasy Data Acquisition Electronics	11/13/2019	Annual	11/13/2020	1213
SPEAG	EX3DV4	SAR Probe	4/20/2020	Annual	4/20/2021	7532
SPEAG	EX3DV4	SAR Probe	1/20/2020	Annual	1/20/2021	3837
SPEAG	EX3DV4	SAR Probe	3/20/2020	Annual	3/20/2021	7421
SPEAG	EX3DV4	SAR Probe	2/19/2020	Annual	2/19/2021	7427
SPEAG	EX3DV4	SAR Probe	12/13/2019	Annual	12/13/2020	7490
SPEAG	EX3DV4	SAR Probe	6/22/2020	Annual	6/22/2021	7416
SPEAG	EX3DV4	SAR Probe	7/16/2020	Annual	7/16/2021	7491
SPEAG	EX3DV4	SAR Probe	11/21/2019	Annual	11/21/2020	7420

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. Each equipment item was used solely within its respective calibration period.

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15 MEASUREMENT UNCERTAINTIES

a	c	d	e= f(d,k)	f	g	h = c x f/e	i = c x g/e	k
Uncertainty Component	**Tol. (± %)**	**Prob. Dist.**	**Div.**	**c_i 1gm**	**c_i 10 gms**	**1gm u_i (± %)**	**10gms u_i (± %)**	**v_i**
Measurement System								
Probe Calibration	6.55	N	1	1.0	1.0	6.6	6.6	∞
Axial Isotropy	0.25	N	1	0.7	0.7	0.2	0.2	∞
Hemishperical Isotropy	1.3	N	1	0.7	0.7	0.9	0.9	∞
Boundary Effect	2.0	R	1.73	1.0	1.0	1.2	1.2	∞
Linearity	0.3	N	1	1.0	1.0	0.3	0.3	∞
System Detection Limits	0.25	R	1.73	1.0	1.0	0.1	0.1	∞
Readout Electronics	0.3	N	1	1.0	1.0	0.3	0.3	∞
Response Time	0.8	R	1.73	1.0	1.0	0.5	0.5	∞
Integration Time	2.6	R	1.73	1.0	1.0	1.5	1.5	∞
RF Ambient Conditions - Noise	3.0	R	1.73	1.0	1.0	1.7	1.7	∞
RF Ambient Conditions - Reflections	3.0	R	1.73	1.0	1.0	1.7	1.7	∞
Probe Positioner Mechanical Tolerance	0.4	R	1.73	1.0	1.0	0.2	0.2	∞
Probe Positioning w/ respect to Phantom	6.7	R	1.73	1.0	1.0	3.9	3.9	∞
Extrapolation, Interpolation & Integration algorithms for Max. SAR Evaluation	4.0	R	1.73	1.0	1.0	2.3	2.3	∞
Test Sample Related								
Test Sample Positioning	2.7	N	1	1.0	1.0	2.7	2.7	35
Device Holder Uncertainty	1.67	N	1	1.0	1.0	1.7	1.7	5
Output Power Variation - SAR drift measurement	5.0	R	1.73	1.0	1.0	2.9	2.9	∞
SAR Scaling	0.0	R	1.73	1.0	1.0	0.0	0.0	∞
Phantom & Tissue Parameters								
Phantom Uncertainty (Shape & Thickness tolerances)	7.6	R	1.73	1.0	1.0	4.4	4.4	∞
Liquid Conductivity - measurement uncertainty	4.2	N	1	0.78	0.71	3.3	3.0	10
Liquid Permittivity - measurement uncertainty	4.1	N	1	0.23	0.26	1.0	1.1	10
Liquid Conductivity - Temperature Uncertainty	3.4	R	1.73	0.78	0.71	1.5	1.4	∞
Liquid Permittivity - Temperature Unceritainty	0.6	R	1.73	0.23	0.26	0.1	0.1	∞
Liquid Conductivity - deviation from target values	5.0	R	1.73	0.64	0.43	1.8	1.2	∞
Liquid Permittivity - deviation from target values	5.0	R	1.73	0.60	0.49	1.7	1.4	∞
Combined Standard Uncertainty (k=1)		RSS				11.5	11.3	60
Expanded Uncertainty (95% CONFIDENCE LEVEL)		k=2				23.0	22.6	

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16 CONCLUSION

16.1 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]

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APPENDIX A: SAR TEST DATA

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DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100SQ8N7

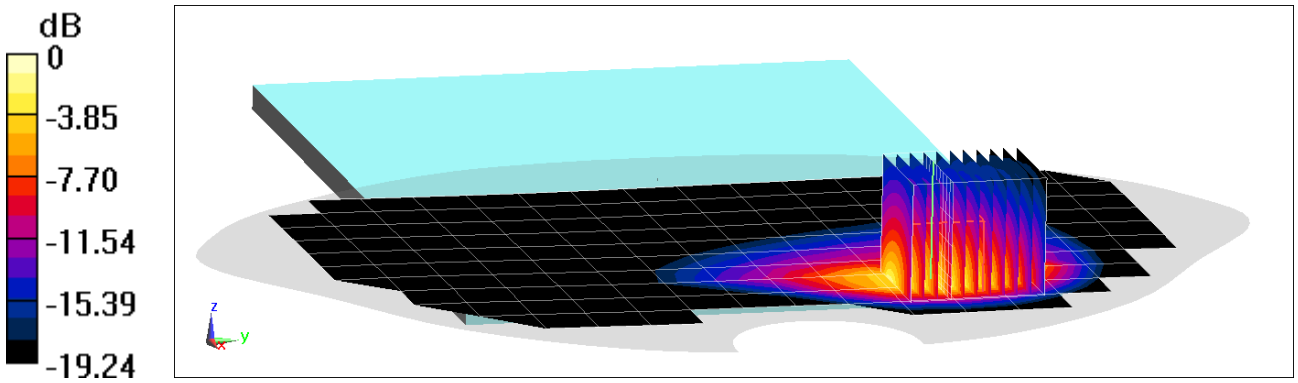
Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium: 835 Body Medium parameters used (interpolated):
f = 848.8 MHz; σ = 0.963 S/m; ε_r = 53.323; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-03-2020; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN3837; ConvF(9.37, 9.37, 9.37) @ 848.8 MHz; Calibrated: 1/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn793; Calibrated: 1/14/2020
Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: GPRS 850, Antenna 3B, Body SAR, Back side, High.ch, 2 Tx Slots

Area Scan (11x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (10x11x8)/Cube 0: Measurement grid: dx=3.8mm, dy=3.8mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 34.19 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.52 W/kg
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.559 W/kg



0 dB = 2.13 W/kg = 3.28 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD1006Q8NF

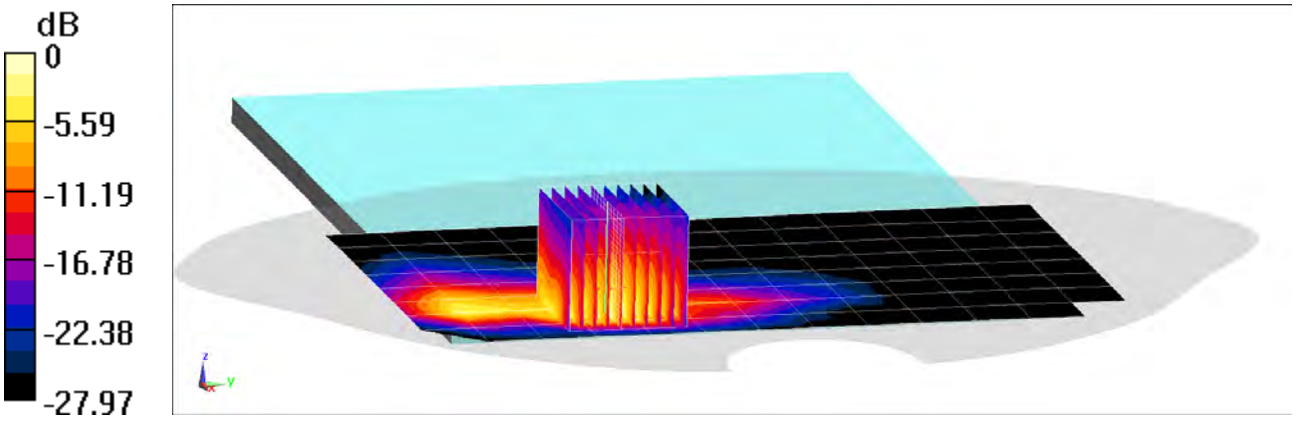
Communication System: UID 0, GSM GPRS; 2 Tx slots; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15
Medium: 1900 MHz Body Medium parameters used:
f = 1910 MHz; σ = 1.595 S/m; ε_r = 51.162; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 09-16-2020; Ambient Temp: 20.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7490; ConvF(8.22, 8.22, 8.22) @ 1909.8 MHz; Calibrated: 12/13/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: GPRS 1900, Antenna 4, Body SAR, Back side, High.ch, 2 Tx Slots

Area Scan (9x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (11x10x23)/Cube 0: Measurement grid: dx=3.6mm, dy=3.6mm, dz=1.4mm
Reference Value = 26.39 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 3.64 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.430 W/kg



0 dB = 2.09 W/kg = 3.20 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD1011Q8N7

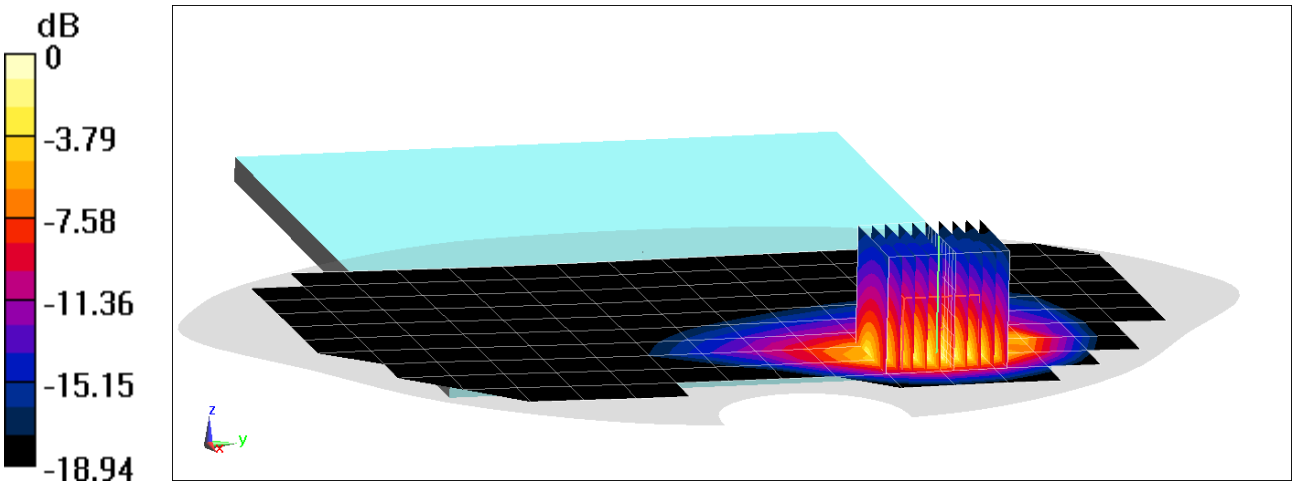
Communication System: UID 0, UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 846.6 MHz; σ = 0.962 S/m; ε_r = 53.328; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-03-2020; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN3837; ConvF(9.37, 9.37, 9.37) @ 846.6 MHz; Calibrated: 1/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn793; Calibrated: 1/14/2020
Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: UMTS 850, Antenna 3B, Body SAR, Back side, High.ch

Area Scan (11x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (10x10x8)/Cube 0: Measurement grid: dx=3.8mm, dy=3.8mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 35.72 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 3.49 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.575 W/kg



0 dB = 2.23 W/kg = 3.48 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100VQ8N7

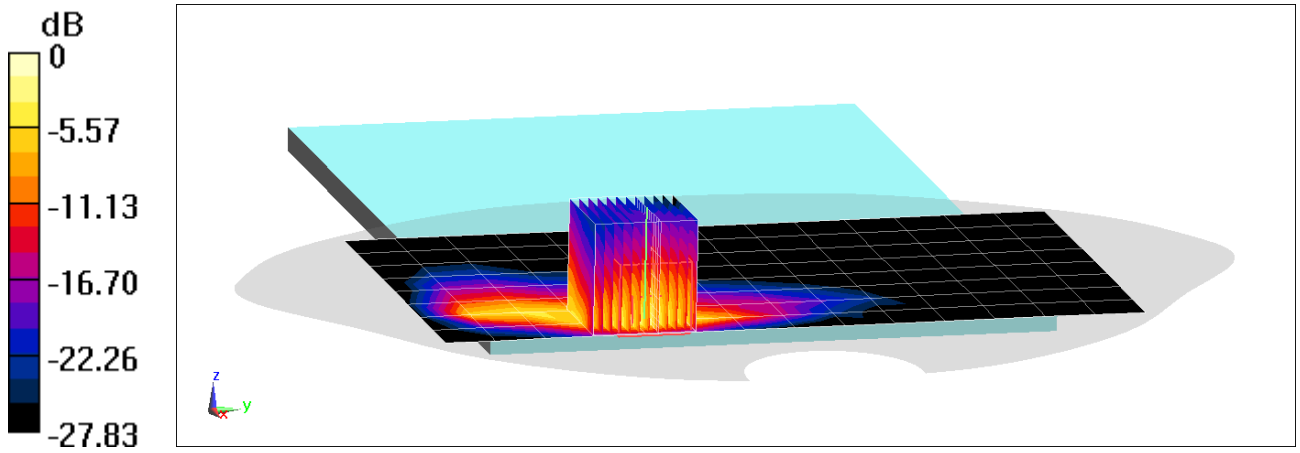
Communication System: UID 0, UMTS; Frequency: 1752.6 MHz; Duty Cycle: 1:1
Medium: 1750 Body Medium parameters used (interpolated):
f = 1752.6 MHz; σ = 1.5 S/m; ε_r = 51.547; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-13-2020; Ambient Temp: 22.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7427; ConvF(7.92, 7.92, 7.92) @ 1752.6 MHz; Calibrated: 2/19/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1403; Calibrated: 2/13/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: UMTS 1750, Antenna 4, Body SAR, Back side, High.ch

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (12x12x8)/Cube 0: Measurement grid: dx=2.8mm, dy=2.8mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 29.39 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 4.87 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.467 W/kg



0 dB = 2.49 W/kg = 3.96 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100VQ8N7

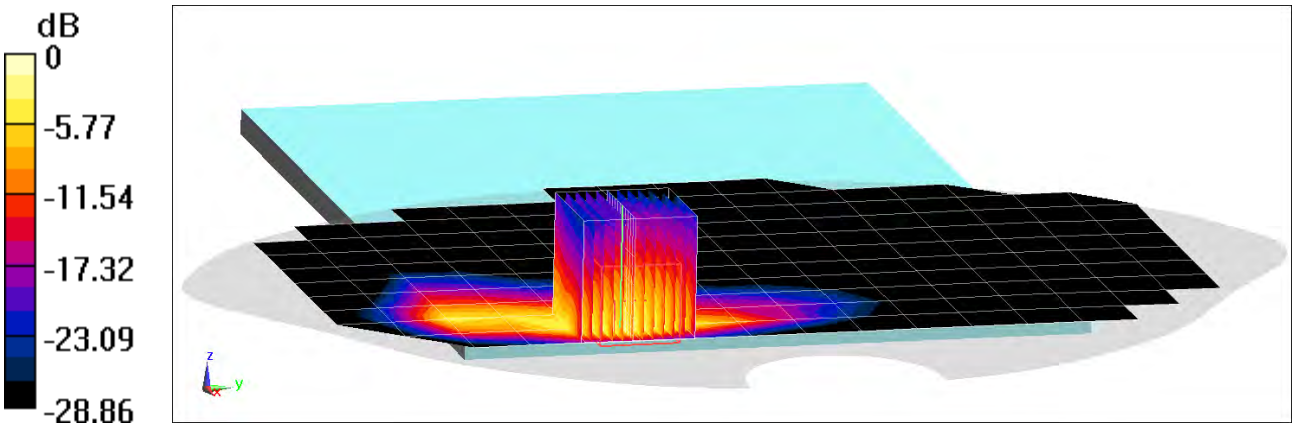
Communication System: UID 0, UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
f = 1852.4 MHz; σ = 1.538 S/m; ε_r = 51.94; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-07-2020; Ambient Temp: 22.5°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN7490; ConvF(8.22, 8.22, 8.22) @ 1852.4 MHz; Calibrated: 12/13/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: UMTS 1900, Antenna 4, Body SAR, Back side, Low.ch

Area Scan (12x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (12x12x8)/Cube 0: Measurement grid: dx=2.8mm, dy=2.8mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 30.05 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.38 W/kg
SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.445 W/kg



0 dB = 2.21 W/kg = 3.44 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD1011Q8N7

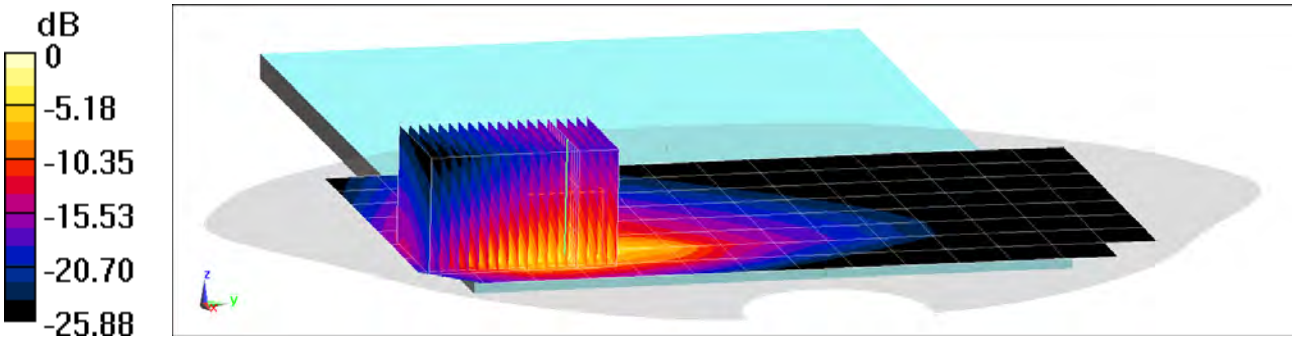
Communication System: UID 0, LTE Band 12; Frequency: 707.5 MHz; Duty Cycle: 1:1
Medium: 750 Body Medium parameters used (interpolated):
f = 707.5 MHz; σ = 0.961 S/m; ε_r = 53.486; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-03-2020; Ambient Temp: 20.3°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7532; ConvF(10.43, 10.43, 10.43) @ 707.5 MHz; Calibrated: 4/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn501; Calibrated: 4/15/2020
Phantom: Twin-SAM V8.0_Left; Type: QD 000 P41 AA; Serial: 1935
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 12, Antenna 4, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (14x20x8)/Cube 0: Measurement grid: dx=2.8mm, dy=2.8mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 25.40 V/m; Power Drift = -0.14 dB
Peak SAR (extrapolated) = 10.8 W/kg
SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.487 W/kg



0 dB = 3.10 W/kg = 4.91 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100VQ8N7

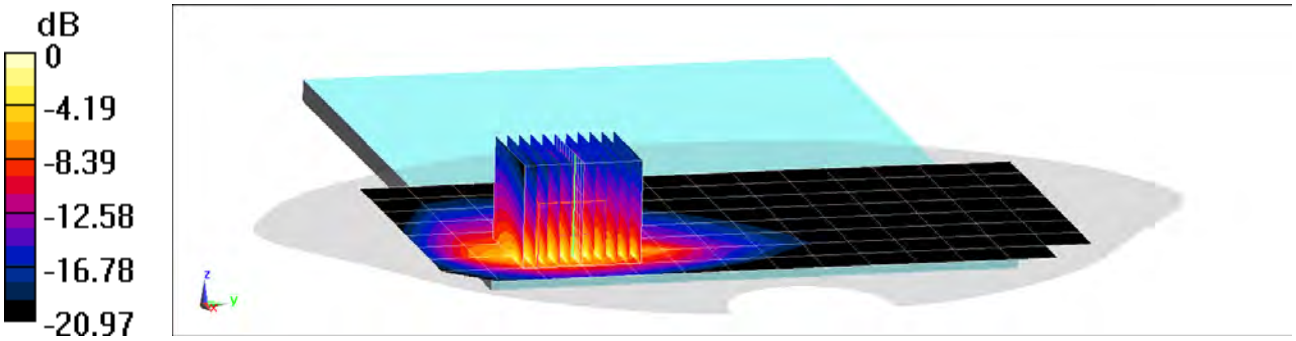
Communication System: UID 0, LTE Band 13; Frequency: 782 MHz; Duty Cycle: 1:1
Medium: 750 Body Medium parameters used (interpolated):
f = 782 MHz; σ = 0.99 S/m; ε_r = 53.276; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-03-2020; Ambient Temp: 20.3°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7532; ConvF(10.43, 10.43, 10.43) @ 782 MHz; Calibrated: 4/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn501; Calibrated: 4/15/2020
Phantom: Twin-SAM V8.0_Left; Type: QD 000 P41 AA; Serial: 1935
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 13, Antenna 4, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (11x11x8)/Cube 0: Measurement grid: dx=3.8mm, dy=3.8mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 28.40 V/m; Power Drift = -0.12 dB
Peak SAR (extrapolated) = 6.97 W/kg
SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.522 W/kg



0 dB = 2.74 W/kg = 4.38 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD1011Q8N7

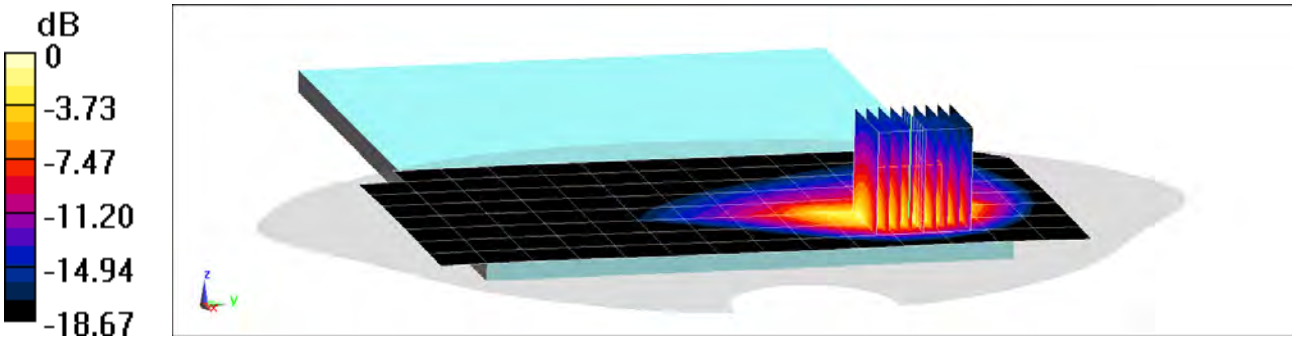
Communication System: UID 0, _LTE Band 26; Frequency: 844 MHz; Duty Cycle: 1:1
Medium: 835 Body; Medium parameters used (interpolated):
f = 844 MHz; σ = 0.984 S/m; ε_r = 53.635; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-11-2020; Ambient Temp: 19.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7421; ConvF(9.42, 9.42, 9.42) @ 844 MHz; Calibrated: 3/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn604; Calibrated: 3/19/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 26 (Cell.), Antenna 3B, Body SAR, Back side, High.ch, 10 MHz Bandwidth, QPSK, 1 RB, 49 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=3.8mm, dy=3.8mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 33.67 V/m; Power Drift = 0.14 dB
Peak SAR (extrapolated) = 3.19 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.570 W/kg



0 dB = 2.03 W/kg = 3.07 dBW/kg

PCTEST

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD1011Q8N7

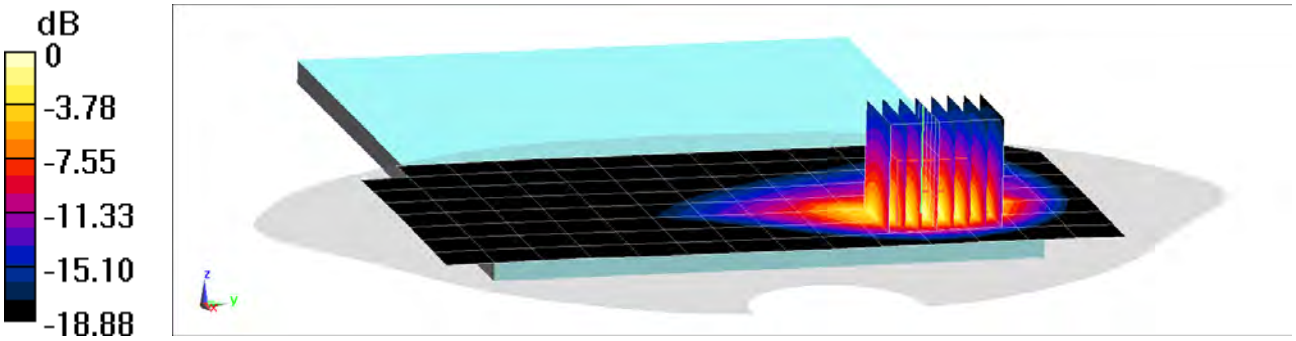
Communication System: UID 0, LTE Band 5; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used (interpolated):
f = 836.5 MHz; σ = 0.988 S/m; ε_r = 53.441; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-13-2020; Ambient Temp: 20.2°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7421; ConvF(9.42, 9.42, 9.42) @ 836.5 MHz; Calibrated: 3/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn604; Calibrated: 3/19/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 5 (Cell.), Antenna 3B, Body SAR, Back side, Mid.ch,
PCC: 10 MHz Bandwidth, QPSK, Ch. 20525, 50 RB, 0 RB Offset
SCC: 5 MHz Bandwidth, QPSK, Ch. 20453, 25 RB, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (7x8x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 36.06 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 3.18 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.571 W/kg



0 dB = 2.20 W/kg = 3.42 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100GQ8NF

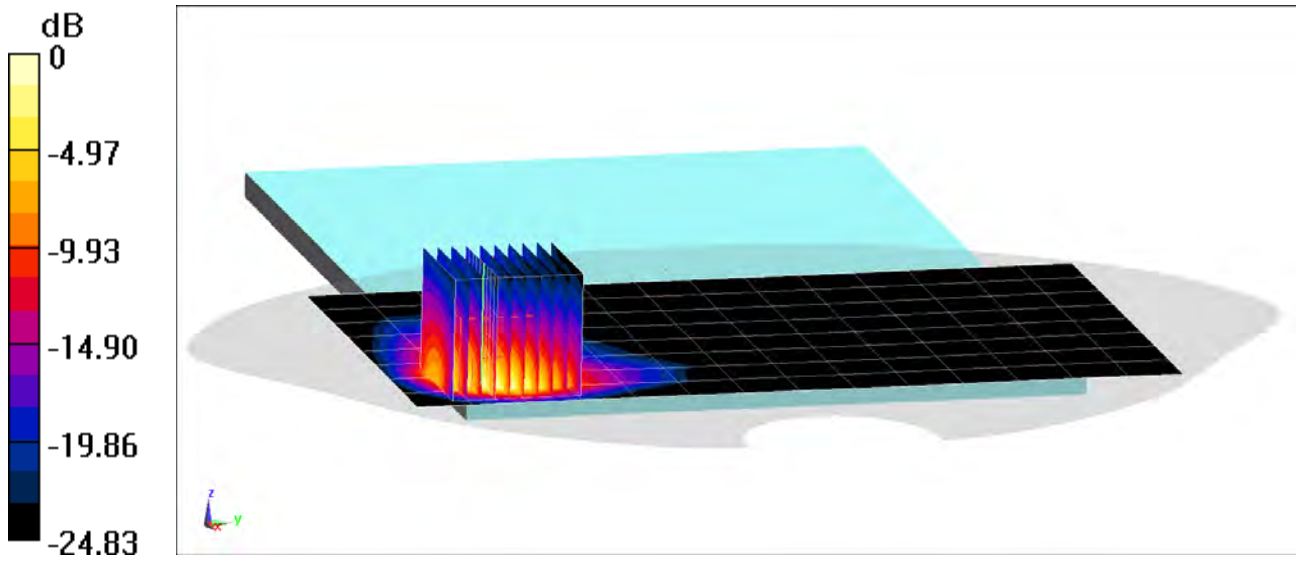
Communication System: UID 0, LTE Band 4 (AWS); Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium: 1750 Body Medium parameters used (interpolated):
f = 1732.5 MHz; σ = 1.485 S/m; ε_r = 51.252; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-03-2020; Ambient Temp: 22.9°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7427; ConvF(7.92, 7.92, 7.92) @ 1732.5 MHz; Calibrated: 2/19/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1403; Calibrated: 2/13/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 4 (AWS), Antenna 2A, Body SAR, Back side, Mid.ch, 20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=3.9mm, dy=3.9mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 27.93 V/m; Power Drift = -0.21 dB
Peak SAR (extrapolated) = 4.34 W/kg
SAR(1 g) = 1.15 W/kg; SAR(10 g) = 0.528 W/kg



0 dB = 2.54 W/kg = 4.05 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD1006Q8NF

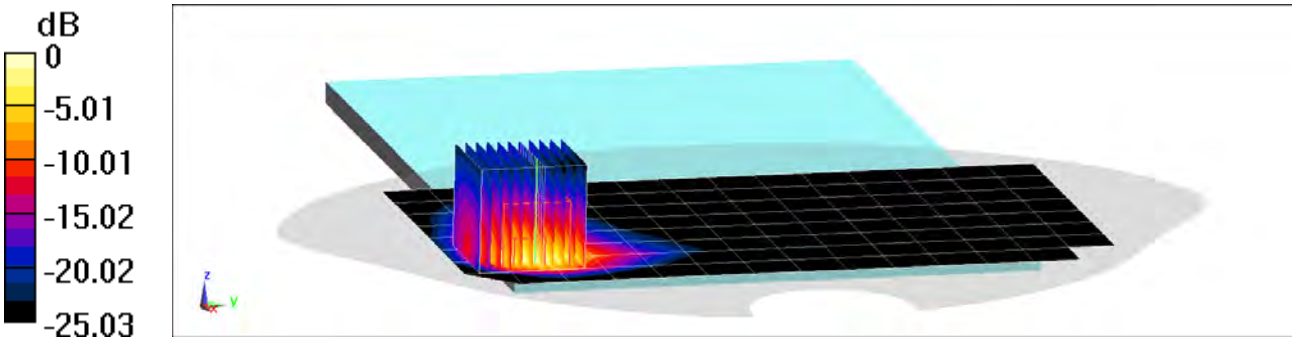
Communication System: UID 0, LTE Band 66 (AWS); Frequency: 1745 MHz; Duty Cycle: 1:1
Medium: 1750 Body Medium parameters used (interpolated):
f = 1745 MHz; σ = 1.496 S/m; ε_r = 51.214; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-03-2020; Ambient Temp: 22.9°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7427; ConvF(7.92, 7.92, 7.92) @ 1745 MHz; Calibrated: 2/19/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1403; Calibrated: 2/13/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 66 (AWS), Antenna 2A, Body SAR, Back side, Mid.ch, 20 MHz Bandwidth, QPSK, 1 RB, 0 RB Offset

Area Scan (9x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (11x11x8)/Cube 0: Measurement grid: dx=3.4mm, dy=3.4mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 26.88 V/m; Power Drift = -0.15 dB
Peak SAR (extrapolated) = 4.20 W/kg
SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.510 W/kg



0 dB = 2.45 W/kg = 3.89 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100SQ8N7

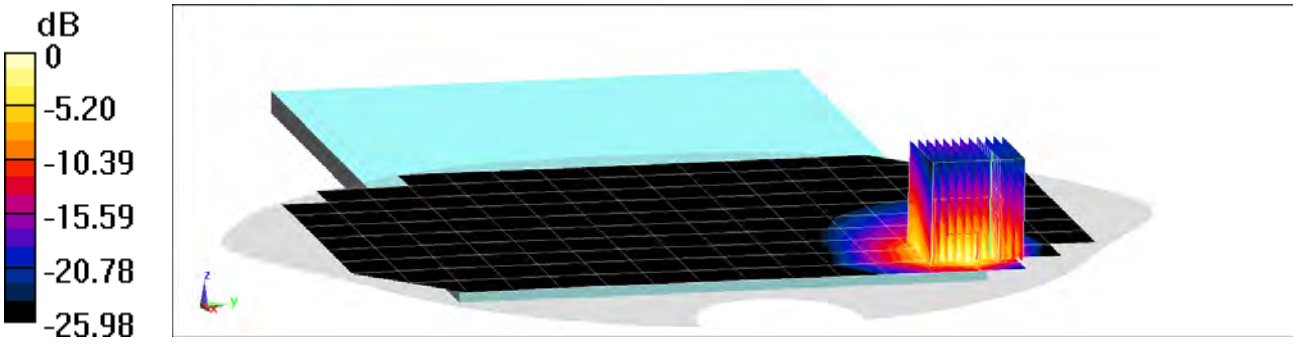
Communication System: UID 0, _LTE Band 2 (PCS); Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
f = 1900 MHz; σ = 1.585 S/m; ε_r = 51.603; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 07-28-2020; Ambient Temp: 22.1°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7490; ConvF(8.22, 8.22, 8.22) @ 1900 MHz; Calibrated: 12/13/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 2 (PCS), Antenna 1A, Body SAR, Back side, High.ch, 20 MHz Bandwidth, QPSK, 100 RB, 0 RB Offset

Area Scan (11x17x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (12x12x8)/Cube 0: Measurement grid: dx=2.7mm, dy=2.7mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 24.39 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 4.19 W/kg
SAR(1 g) = 1.10 W/kg; SAR(10 g) = 0.542 W/kg



0 dB = 2.10 W/kg = 3.22 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100VQ8N7

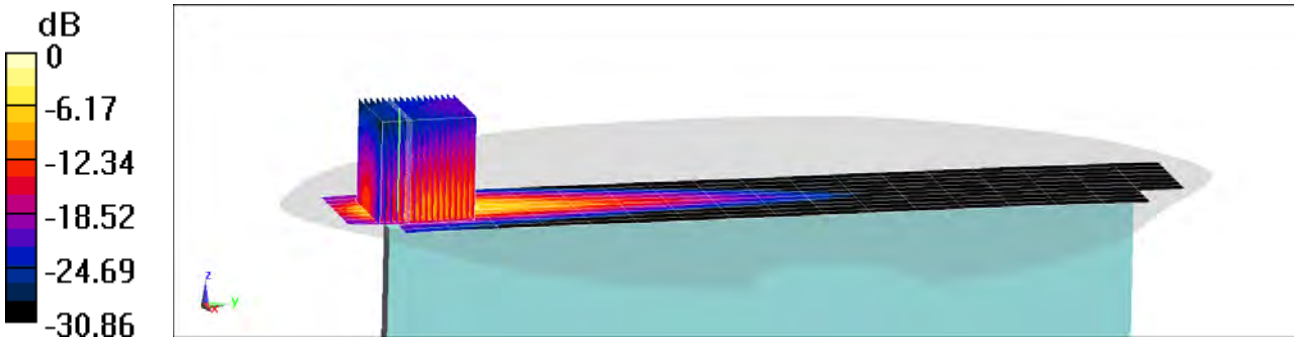
Communication System: UID 0, _LTE Band 25 (PCS); Frequency: 1905 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
f = 1905 MHz; σ = 1.59 S/m; ε_r = 51.627; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-10-2020; Ambient Temp: 21.3°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7490; ConvF(8.22, 8.22, 8.22) @ 1905 MHz; Calibrated: 12/13/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 25 (PCS), Antenna 1A, Body SAR, Left Edge, High.ch, 20 MHz Bandwidth, QPSK, 50 RB, 25 RB Offset

Area Scan (11x21x1): Measurement grid: dx=5mm, dy=15mm
Zoom Scan (17x17x8)/Cube 0: Measurement grid: dx=1.9mm, dy=1.9mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 28.76 V/m; Power Drift = 0.02 dB
Peak SAR (extrapolated) = 7.63 W/kg
SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.424 W/kg



0 dB = 3.02 W/kg = 4.80 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD1006Q8NF

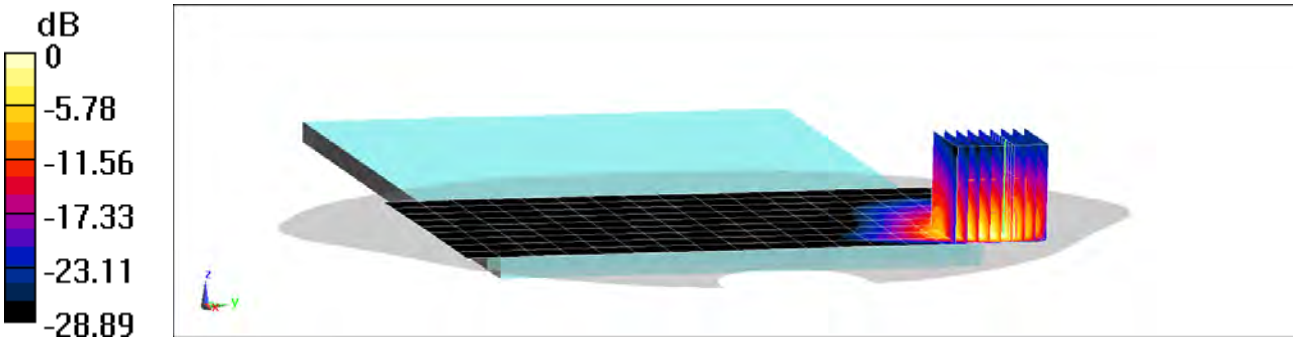
Communication System: UID 0, LTE Band 30; Frequency: 2310 MHz; Duty Cycle: 1:1
Medium: 2300 MHz Body; Medium parameters used:
f = 2310 MHz; σ = 1.877 S/m; ε_r = 51.476; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 09-02-2020; Ambient Temp: 22.4°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7427; ConvF(7.45, 7.45, 7.45) @ 2310 MHz; Calibrated: 2/19/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1403; Calibrated: 2/13/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 30, Antenna 1A, Body SAR, Back side, Mid.ch, 10 MHz Bandwidth, QPSK, 25 RB, 25 RB Offset

Area Scan (11x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 23.10 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 4.01 W/kg
SAR(1 g) = 1.07 W/kg; SAR(10 g) = 0.499 W/kg



0 dB = 2.31 W/kg = 3.64 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100SQ8N7

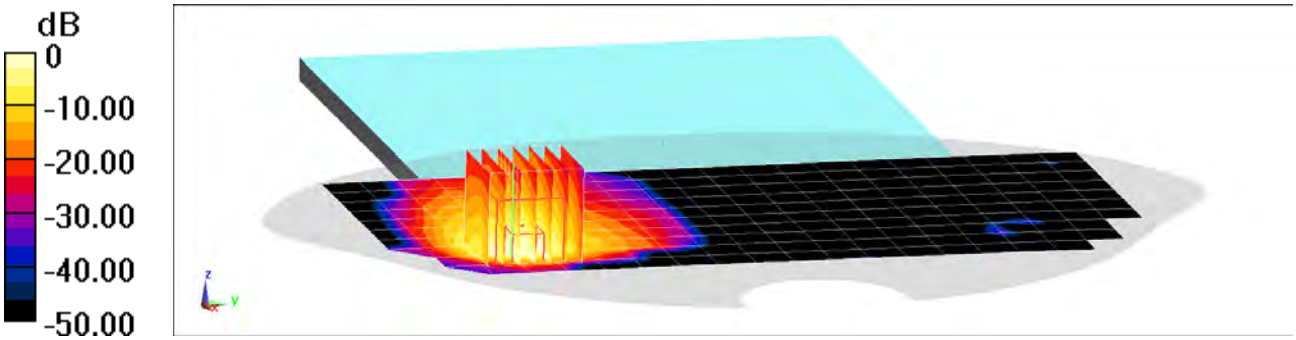
Communication System: UID 0, LTE Band 7; Frequency: 2510 MHz; Duty Cycle: 1:1
Medium: 2450-2600 MHz Body; Medium parameters used (interpolated):
f = 2510 MHz; σ = 2.115 S/m; ε_r = 50.923; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-11-2020; Ambient Temp: 21.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7416; ConvF(7.28, 7.28, 7.28) @ 2510 MHz; Calibrated: 6/22/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn701; Calibrated: 6/11/2020
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1936
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 7 ULCA, Antenna 2A, Body SAR, Back side, Low.ch,
PCC: 20 MHz Bandwidth, QPSK, Ch. 20850, 50 RB, 50 RB Offset
SCC: 20 MHz Bandwidth, QPSK, Ch. 21048, 50 RB, 0 RB Offset

Area Scan (11x11x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.55 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 3.89 W/kg
SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.438 W/kg



0 dB = 1.61 W/kg = 2.07 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100SQ8N7

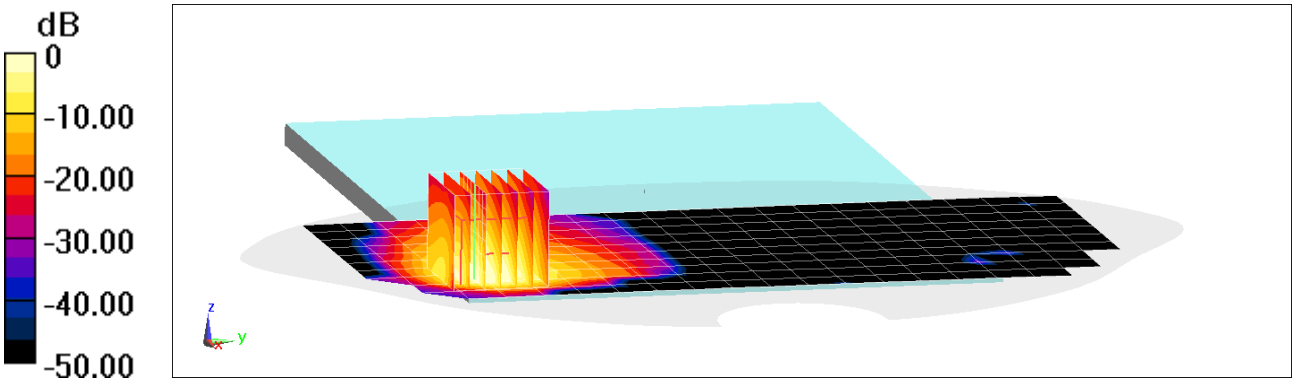
Communication System: UID 0, LTE Band 41 (Class 3); Frequency: 2506 MHz; Duty Cycle: 1:1.58
Medium: 2450-2600 Body Medium parameters used (interpolated):
$f = 2510$ MHz; $\sigma = 2.112$ S/m; $\varepsilon_r = 51.673$; $\rho = 1000$ kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-11-2020; Ambient Temp: 22.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7491; ConvF(7.64, 7.64, 7.64) @ 2506 MHz; Calibrated: 7/16/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1402; Calibrated: 7/9/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 41, Antenna 2A, Body SAR, Back side, Low.ch, 20 MHz Bandwidth, QPSK, 50 RB, 50 RB Offset

Area Scan (11x11x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (8x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 23.99 V/m; Power Drift = -0.01 dB
Peak SAR (extrapolated) = 3.29 W/kg
SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.467 W/kg



0 dB = 1.61 W/kg = 2.07 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100HQ8NF

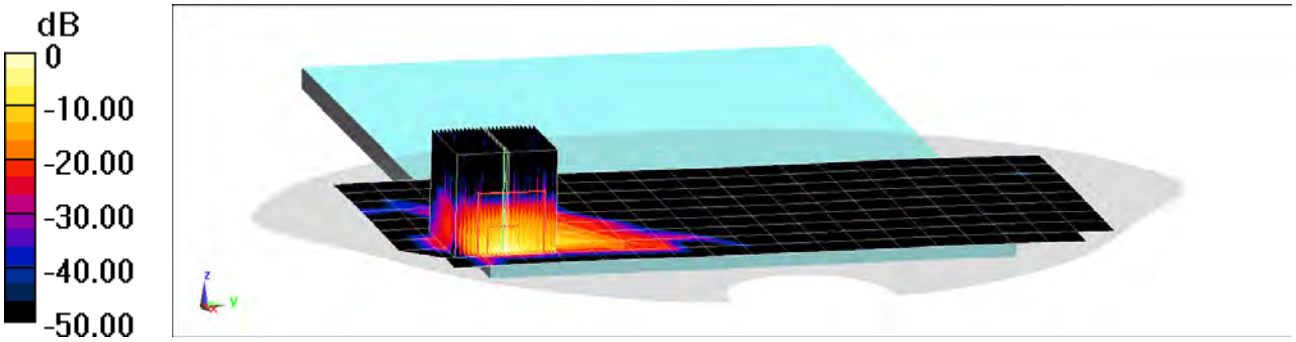
Communication System: UID 0, LTE Band 48; Frequency: 3690 MHz; Duty Cycle: 1:1.58
Medium: 3500-3700 Body; Medium parameters used (interpolated):
f = 3690 MHz; σ = 3.663 S/m; ε_r = 49.774; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-07-2020; Ambient Temp: 20.2°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7421; ConvF(6.57, 6.57, 6.57) @ 3690 MHz; Calibrated: 3/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn604; Calibrated: 3/19/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: LTE Band 48, Antenna 4, Body SAR, Back side, High.ch, 20 MHz Bandwidth, QPSK, 1 RB, 99 RB Offset

Area Scan (10x20x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (26x26x8)/Cube 0: Measurement grid: dx=1.3mm, dy=1.3mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 13.07 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 5.08 W/kg
SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.298 W/kg



0 dB = 2.85 W/kg = 4.55 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100VQ8N7

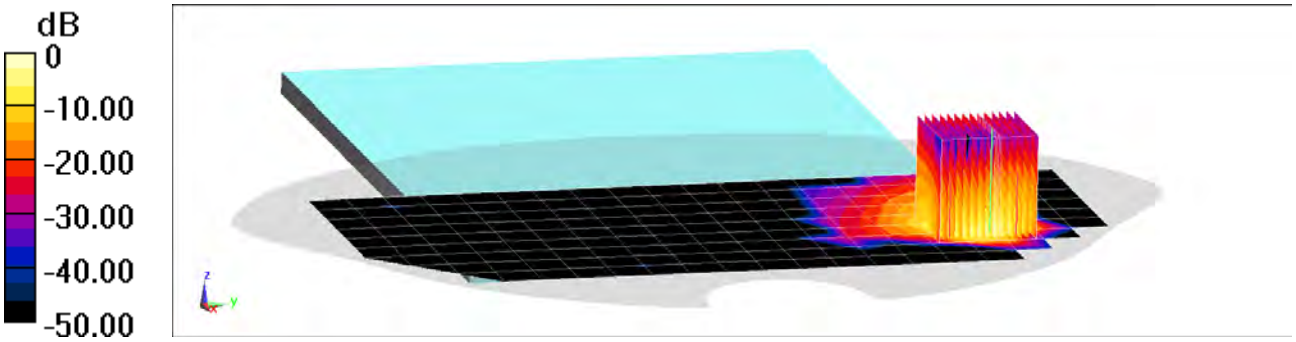
Communication System: UID 0, _IEEE 802.11b; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium: 2450 Body Medium parameters used (interpolated):
f = 2437 MHz; σ = 2.017 S/m; ε_r = 50.451; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-10-2020; Ambient Temp: 22.4°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7532; ConvF(7.51, 7.51, 7.51) @ 2437 MHz; Calibrated: 4/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn501; Calibrated: 4/15/2020
Phantom: Twin-SAM V8.0_Left; Type: QD 000 P41 AA; Serial: 1935
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: IEEE 802.11b, Antenna 1A Variant 1, 22 MHz Bandwidth, Body SAR, Ch 6, 1 Mbps, Back Side

Area Scan (10x21x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (14x14x8)/Cube 0: Measurement grid: dx=2.4mm, dy=2.4mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 18.99 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 3.73 W/kg
SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.372 W/kg



0 dB = 2.07 W/kg = 3.16 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD100HQ8NF

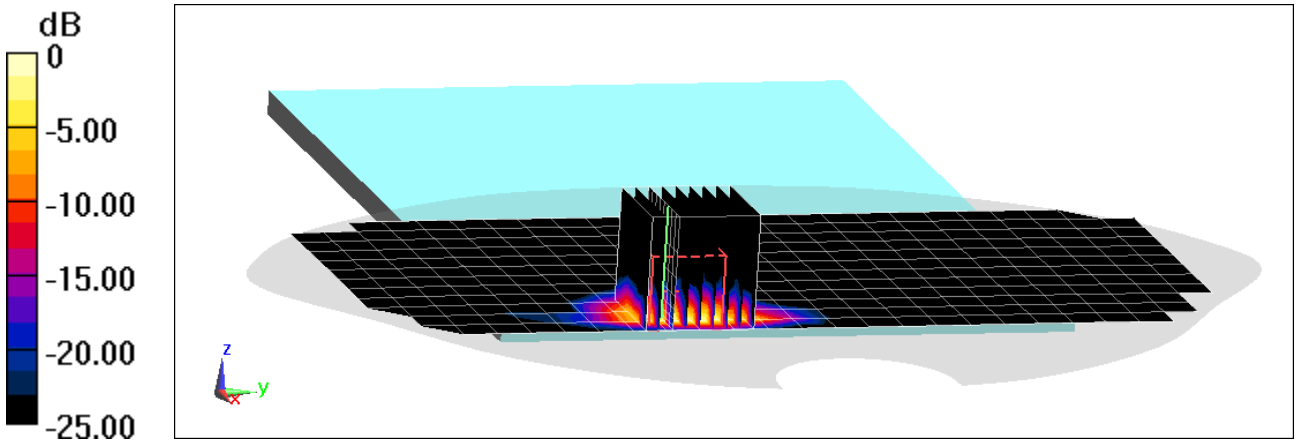
Communication System: UID 0, _IEEE 802.11ac; Frequency: 5610 MHz; Duty Cycle: 1:1
Medium: 5 GHz Body; Medium parameters used (interpolated):
f = 5610 MHz; σ = 5.999 S/m; ε_r = 47.109; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-03-2020; Ambient Temp: 21.7°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7420; ConvF(4.1, 4.1, 4.1) @ 5610 MHz; Calibrated: 11/21/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1213; Calibrated: 11/13/2019
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CA; Serial: 1275
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: IEEE 802.11ac, U-NII-2C, Variant 2, 80 MHz Bandwidth, Antenna 2B, Body SAR, Ch 122, 29.3 Mbps, Back Side

Area Scan (13x26x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (9x9x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4
Reference Value = 11.05 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 7.30 W/kg
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.316 W/kg



0 dB = 2.64 W/kg = 4.22 dBW/kg

DUT: BCGA2072; Type: Tablet Device; Serial: DLXD1006Q8NF

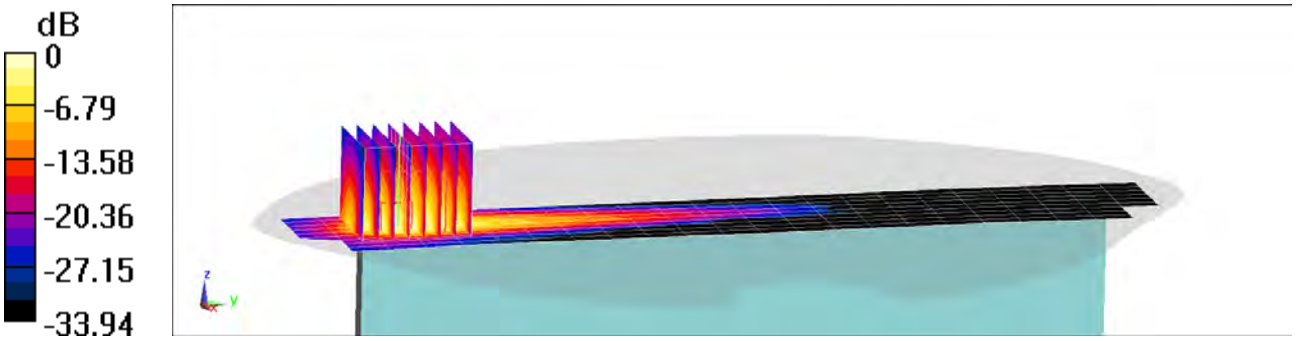
Communication System: UID 0, Bluetooth; Frequency: 2441 MHz; Duty Cycle: 1:1.3
Medium: 2450 Body Medium parameters used (interpolated):
f = 2441 MHz; σ = 1.99 S/m; ε_r = 51.313; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 0.0 cm

Test Date: 08-13-2020; Ambient Temp: 22.7°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7491; ConvF(7.64, 7.64, 7.64) @ 2441 MHz; Calibrated: 7/16/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1402; Calibrated: 7/9/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

Mode: Bluetooth, Antenna 3A Variant 2, Body SAR, Ch 39, 1 Mbps, Right Edge

Area Scan (10x24x1): Measurement grid: dx=5mm, dy=12mm
Zoom Scan (7x8x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 22.34 V/m; Power Drift = 0.20 dB
Peak SAR (extrapolated) = 2.97 W/kg
SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.358 W/kg



0 dB = 1.83 W/kg = 2.62 dBW/kg

APPENDIX B: SYSTEM VERIFICATION

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DUT: Dipole 750 MHz; Type: D750V3; Serial: 1097

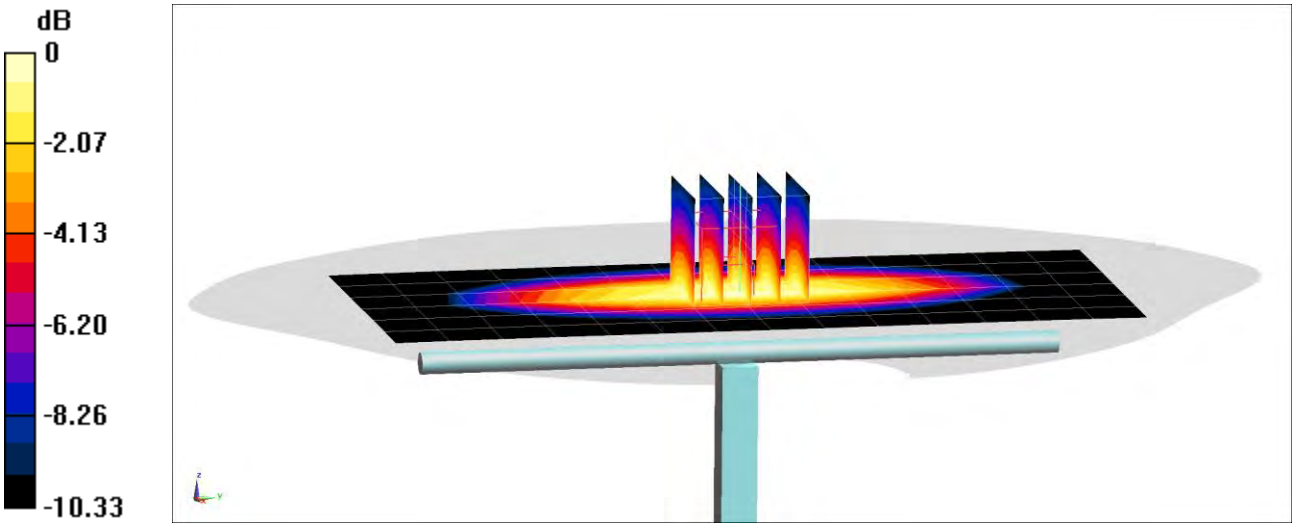
Communication System: UID 0, CW; Frequency: 750 MHz; Duty Cycle: 1:1
Medium: 750 Body Medium parameters used (interpolated):
f = 750 MHz; σ = 0.978 S/m; ε_r = 53.368; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-03-2020; Ambient Temp: 20.3°C; Tissue Temp: 20.5°C

Probe: EX3DV4 - SN7532; ConvF(10.43, 10.43, 10.43) @ 750 MHz; Calibrated: 4/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn501; Calibrated: 4/15/2020
Phantom: Twin-SAM V8.0_Left; Type: QD 000 P41 AA; Serial: 1935
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

750 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 2.45 W/kg
SAR(1 g) = 1.61 W/kg; SAR(10 g) = 1.07 W/kg
Deviation(1 g) = -5.96%



0 dB = 2.16 W/kg = 3.34 dBW/kg

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DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d180

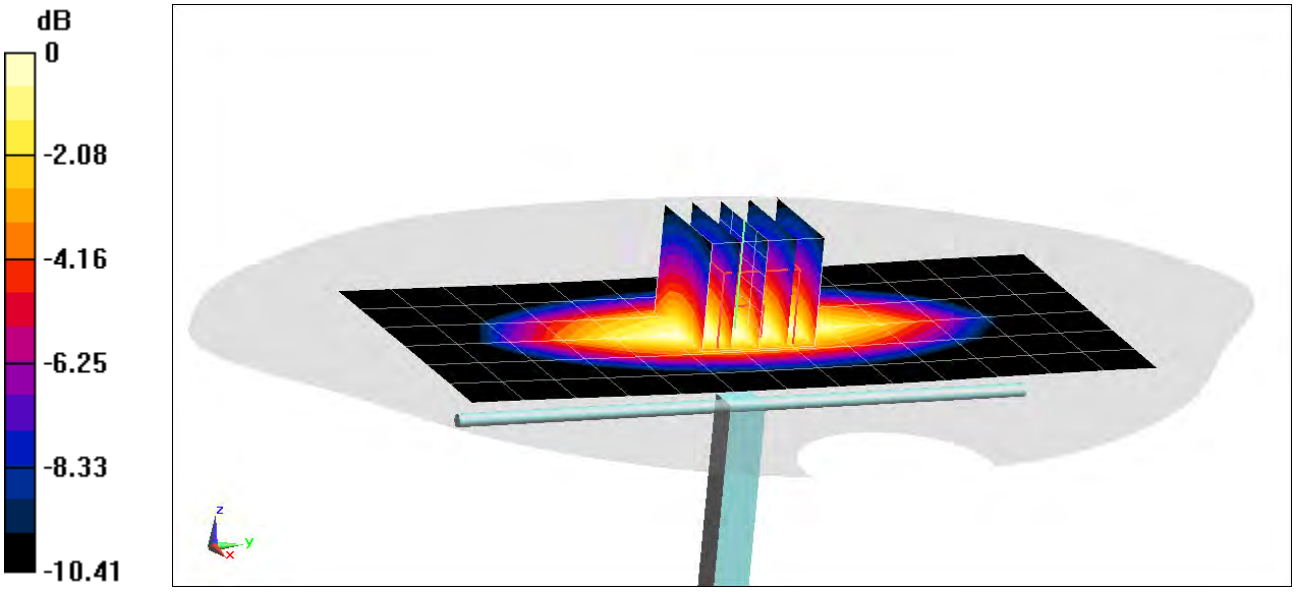
Communication System: UID 0, CW; Frequency: 835 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used:
f = 835 MHz; σ = 0.957 S/m; ε_r = 53.35; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-03-2020; Ambient Temp: 21.1°C; Tissue Temp: 19.4°C

Probe: EX3DV4 - SN3837; ConvF(9.37, 9.37, 9.37) @ 835 MHz; Calibrated: 1/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn793; Calibrated: 1/14/2020
Phantom: Twin-SAM V4.0 Main; Type: QD 000 P40 CC; Serial: 1114
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

835 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 3.33 W/kg
SAR(1 g) = 2.07 W/kg; SAR(10 g) = 1.36 W/kg
Deviation(1 g) = 7.92%



0 dB = 2.84 W/kg = 4.53 dBW/kg

PCTEST

DUT: Dipole 850 MHz; Type: D850V2; Serial: 1010

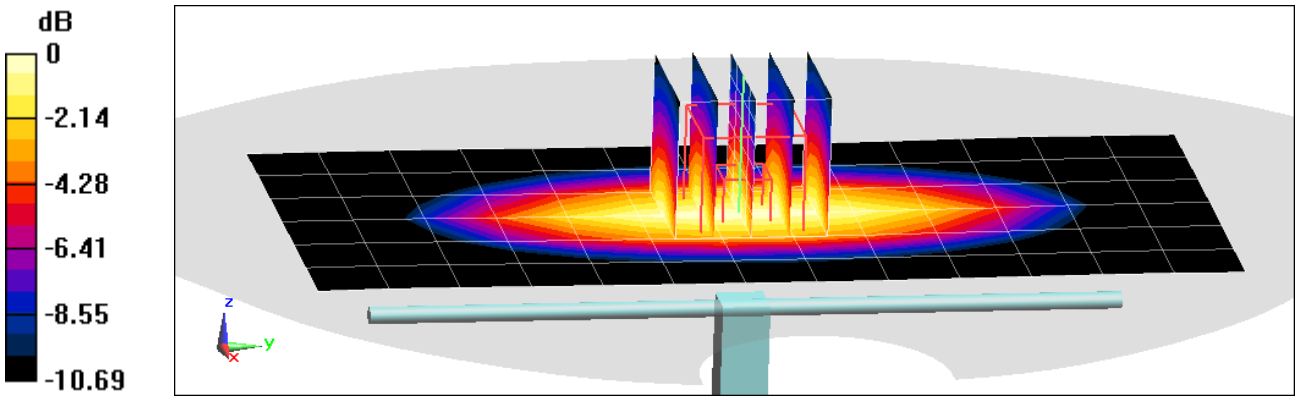
Communication System: UID 0, CW; Frequency: 850 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used:
f = 850 MHz; σ = 0.99 S/m; ε_r = 53.576; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-11-2020; Ambient Temp: 19.4°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7421; ConvF(9.42, 9.42, 9.42) @ 850 MHz; Calibrated: 3/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn604; Calibrated: 3/19/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

850 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 3.28 W/kg
SAR(1 g) = 2.17 W/kg; SAR(10 g) = 1.42 W/kg
Deviation(1 g) = 6.37%



0 dB = 2.91 W/kg = 4.64 dBW/kg

DUT: Dipole 850 MHz; Type: D850V2; Serial: 1010

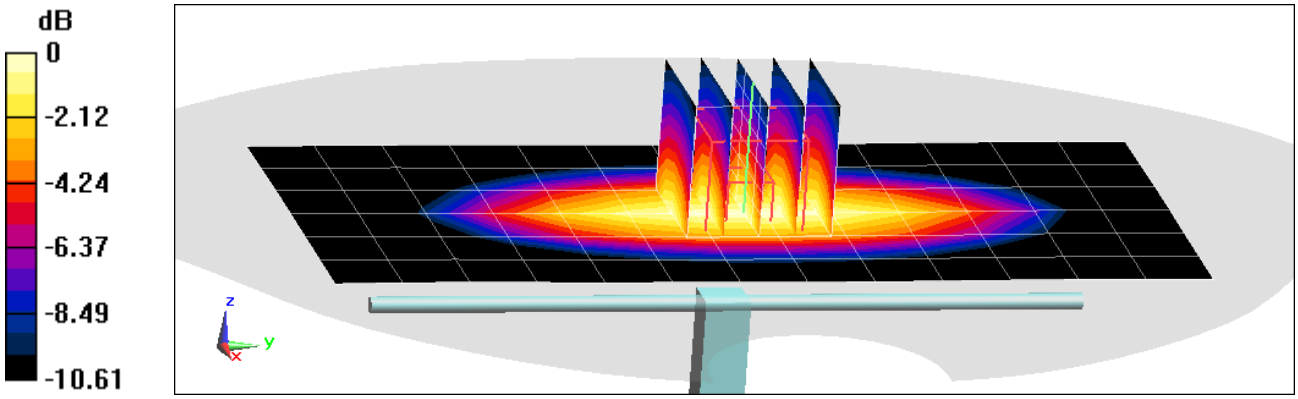
Communication System: UID 0, CW; Frequency: 850 MHz; Duty Cycle: 1:1
Medium: 835 Body Medium parameters used:
f = 850 MHz; σ = 1.001 S/m; ε_r = 53.305; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-13-2020; Ambient Temp: 20.2°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7421; ConvF(9.42, 9.42, 9.42) @ 850 MHz; Calibrated: 3/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn604; Calibrated: 3/19/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

850 MHz System Verification at 23.0 dBm (200 mW)

Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 3.29 W/kg
SAR(1 g) = 2.18 W/kg; SAR(10 g) = 1.42 W/kg
Deviation(1 g) = 6.86%



0 dB = 2.92 W/kg = 4.65 dBW/kg

DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1104

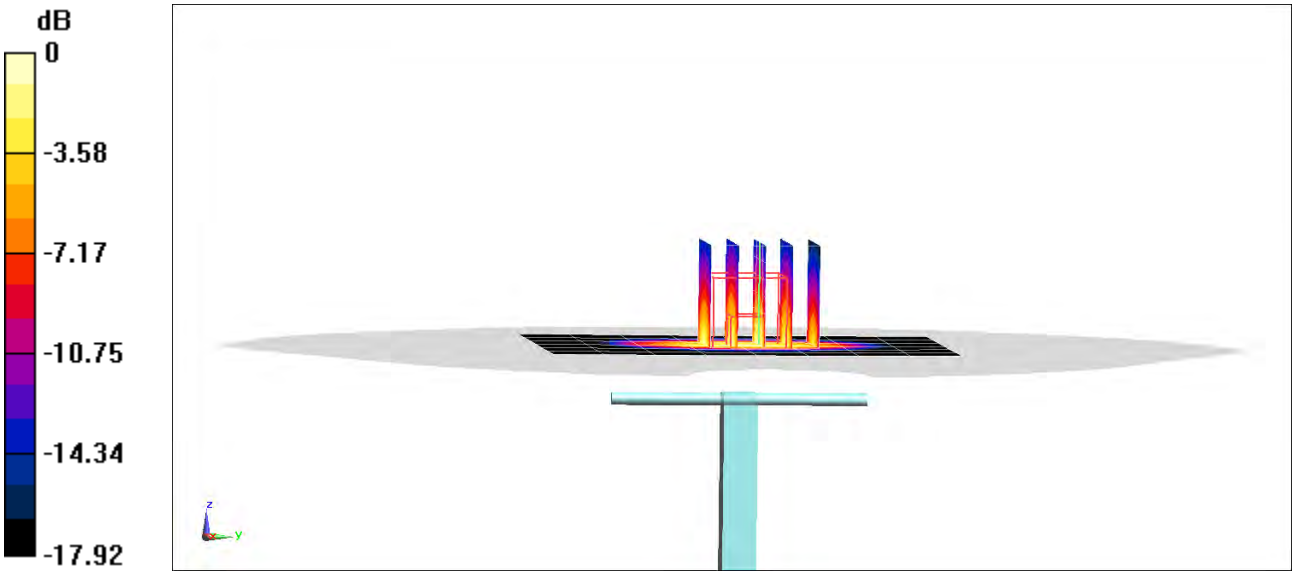
Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium: 1750 Body Medium parameters used:
f = 1750 MHz; σ = 1.5 S/m; ε_r = 51.199; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-03-2020; Ambient Temp: 22.9°C; Tissue Temp: 20.9°C

Probe: EX3DV4 - SN7427; ConvF(7.92, 7.92, 7.92) @ 1750 MHz; Calibrated: 2/19/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1403; Calibrated: 2/13/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1750 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 7.01 W/kg
SAR(1 g) = 3.9 W/kg; SAR(10 g) = 2.06 W/kg
Deviation(1 g) = 6.56%



0 dB = 5.85 W/kg = 7.67 dBW/kg

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DUT: Dipole 1750 MHz; Type: D1750V2; Serial: 1092

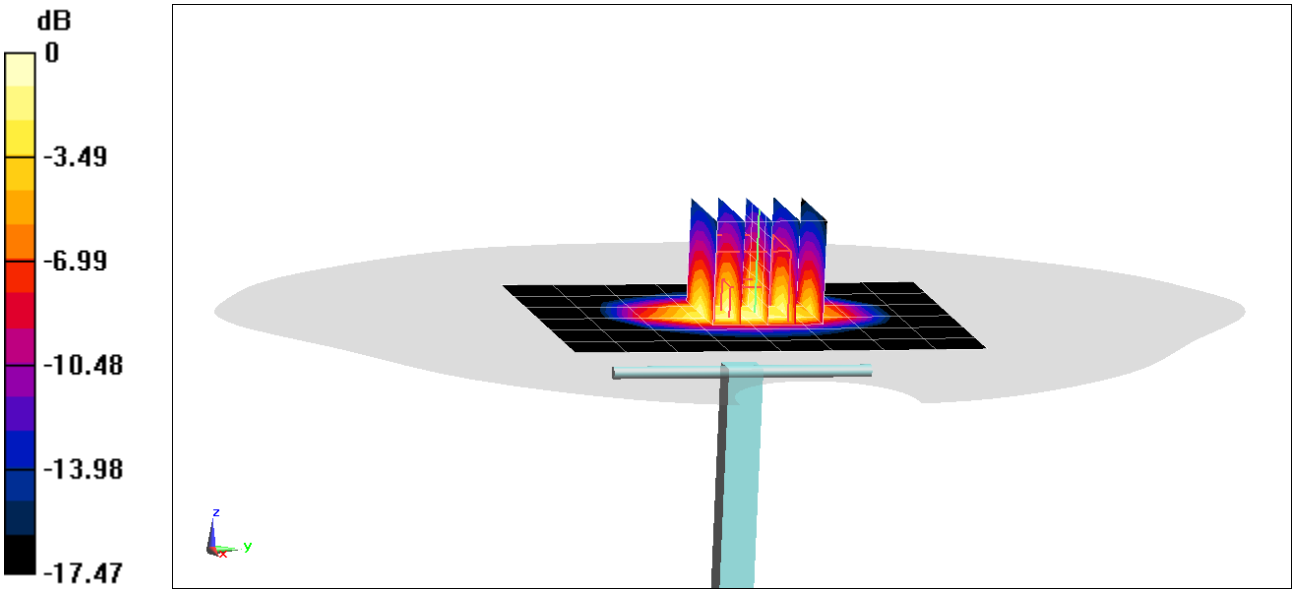
Communication System: UID 0, CW; Frequency: 1750 MHz; Duty Cycle: 1:1
Medium: 1750 Body Medium parameters used:
f = 1750 MHz; σ = 1.498 S/m; ε_r = 51.555; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-13-2020; Ambient Temp: 22.5°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7427; ConvF(7.92, 7.92, 7.92) @ 1750 MHz; Calibrated: 2/19/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1403; Calibrated: 2/13/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1750 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x9x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 6.85 W/kg
SAR(1 g) = 3.83 W/kg; SAR(10 g) = 2.04 W/kg
Deviation(1 g) = 5.22%



0 dB = 5.73 W/kg = 7.58 dBW/kg

PCTEST

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d181

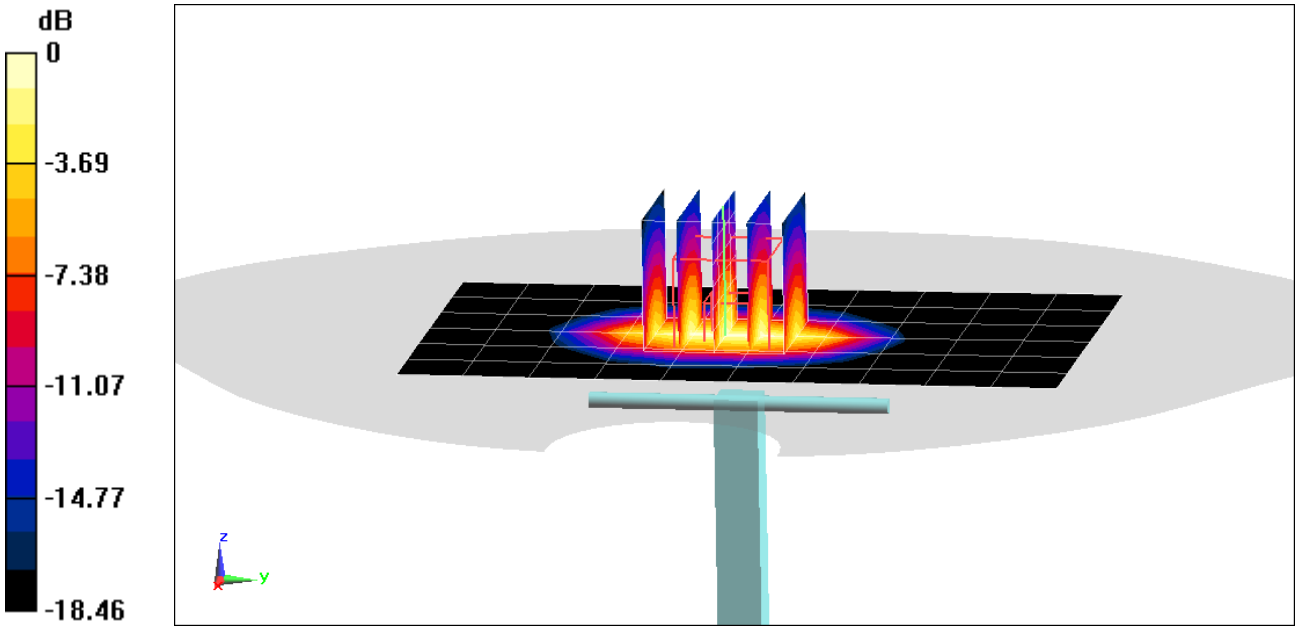
Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
f = 1900 MHz; σ = 1.585 S/m; ε_r = 51.603; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 07-28-2020; Ambient Temp: 22.1°C; Tissue Temp: 23.5°C

Probe: EX3DV4 - SN7490; ConvF(8.22, 8.22, 8.22) @ 1900 MHz; Calibrated: 12/13/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1900 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 7.16 W/kg
SAR(1 g) = 3.93 W/kg; SAR(10 g) = 2.01 W/kg
Deviation(1 g) = -0.51%



0 dB = 6.11 W/kg = 7.86 dBW/kg

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d181

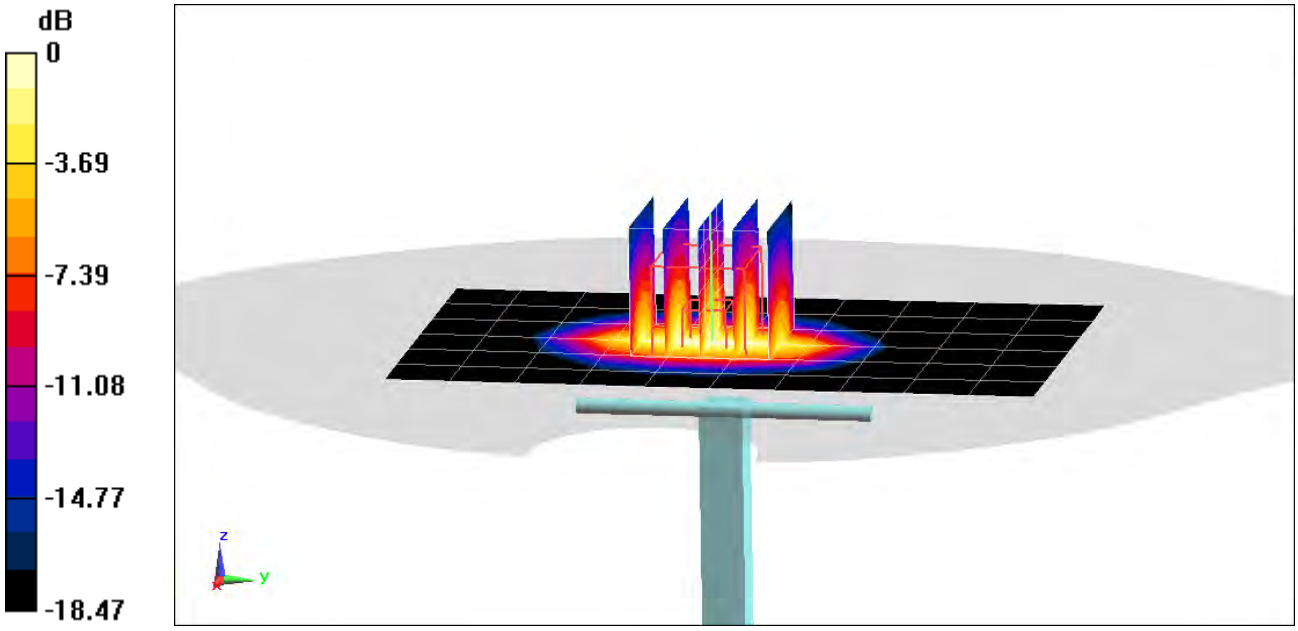
Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
f = 1900 MHz; σ = 1.584 S/m; ε_r = 51.807; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-07-2020; Ambient Temp: 22.5°C; Tissue Temp: 24.0°C

Probe: EX3DV4 - SN7490; ConvF(8.22, 8.22, 8.22) @ 1900 MHz; Calibrated: 12/13/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1900 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 7.02 W/kg
SAR(1 g) = 3.88 W/kg; SAR(10 g) = 2.02 W/kg
Deviation(1 g) = -1.77%



0 dB = 5.99 W/kg = 7.77 dBW/kg

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d181

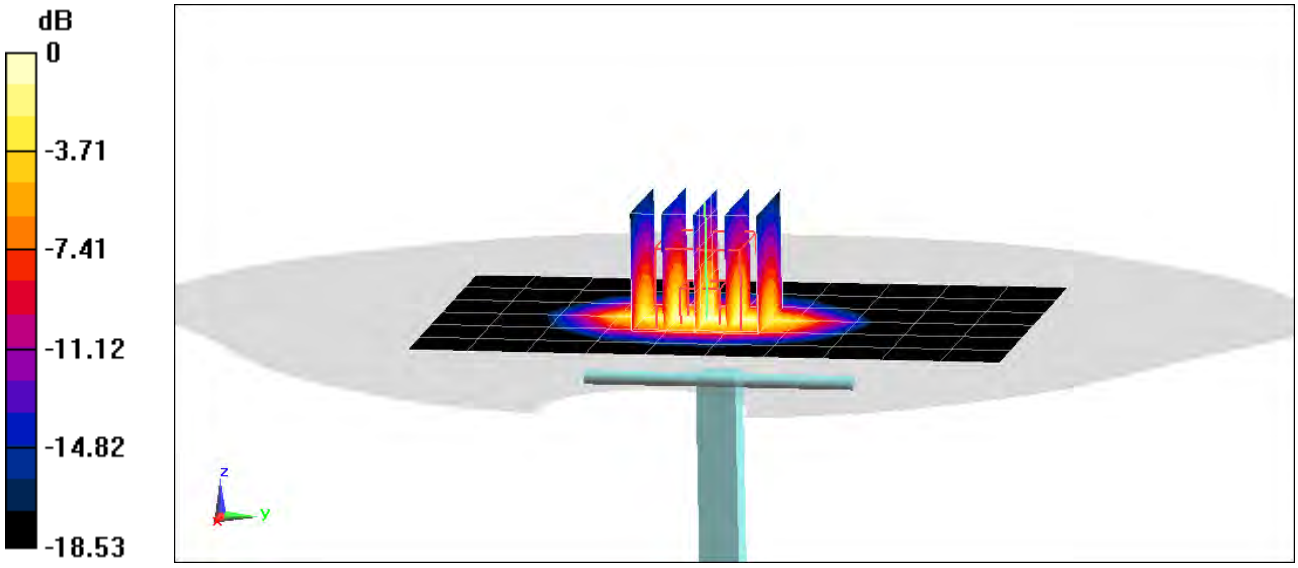
Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: 1900 Body Medium parameters used (interpolated):
f = 1900 MHz; σ = 1.585 S/m; ε_r = 51.637; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-10-2020; Ambient Temp: 21.3°C; Tissue Temp: 22.6°C

Probe: EX3DV4 - SN7490; ConvF(8.22, 8.22, 8.22) @ 1900 MHz; Calibrated: 12/13/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1900 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 7.12 W/kg
SAR(1 g) = 3.91 W/kg; SAR(10 g) = 2.01 W/kg
Deviation(1 g) = -1.01%



0 dB = 6.06 W/kg = 7.82 dBW/kg

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DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 5d030

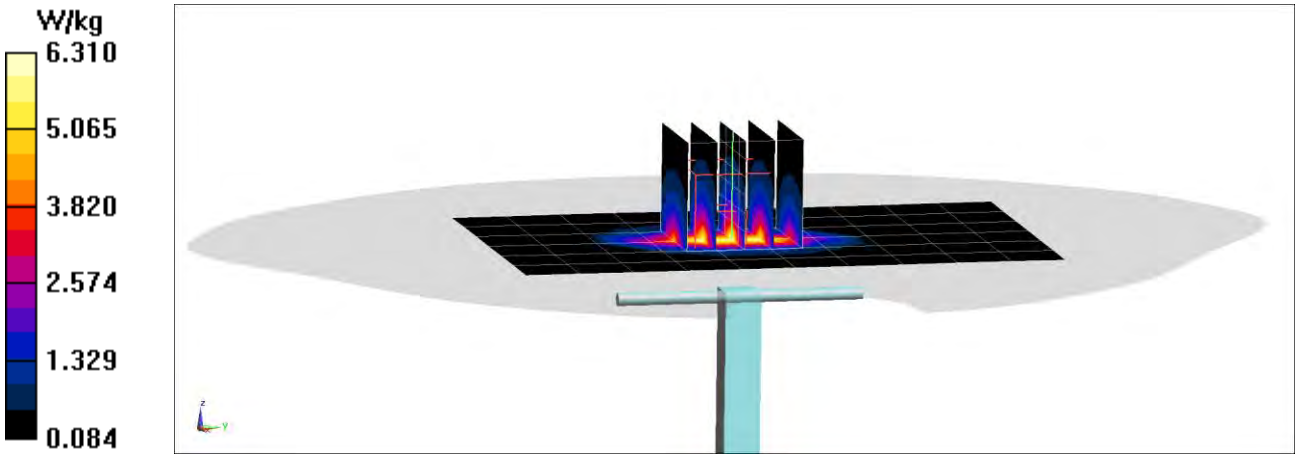
Communication System: UID 0, CW; Frequency: 1900 MHz; Duty Cycle: 1:1
Medium: 1900 MHz Body Medium parameters used (interpolated):
f = 1900 MHz; σ = 1.593 S/m; ε_r = 51.174; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09-16-2020; Ambient Temp: 20.9°C; Tissue Temp: 20.8°C

Probe: EX3DV4 - SN7490; ConvF(8.22, 8.22, 8.22) @ 1900 MHz; Calibrated: 12/13/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1532; Calibrated: 12/5/2019
Phantom: Twin-SAM V4.0 SUB; Type: QD 000 P40 CC; Serial: 1403
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

1900 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 7.50 W/kg
SAR(1 g) = 4.05 W/kg; SAR(10 g) = 2.09 W/kg
Deviation(1 g) = 1.50%



DUT: Dipole 2300 MHz; Type: D2300V3; Serial: 1038

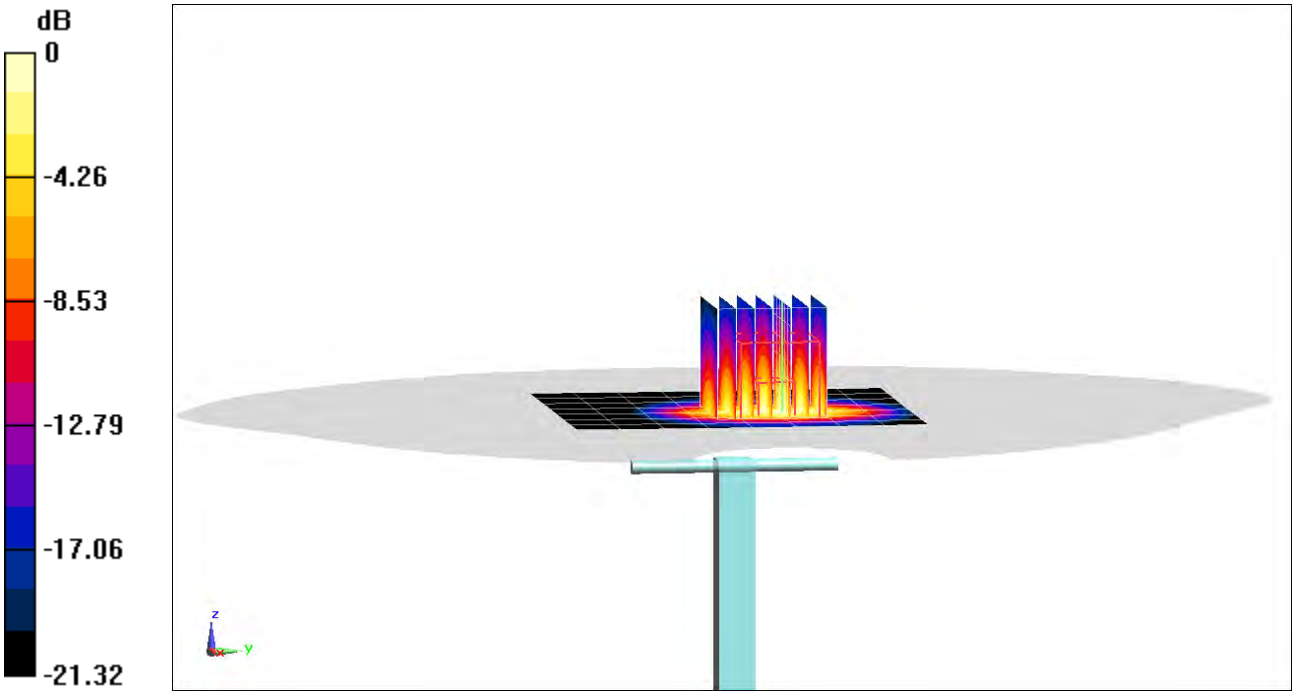
Communication System: UID 0, CW; Frequency: 2300 MHz; Duty Cycle: 1:1
Medium: 2300 MHz Body Medium parameters used:
f = 2300 MHz; σ = 1.867 S/m; ε_r = 51.507; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 09-02-2020; Ambient Temp: 22.4°C; Tissue Temp: 22.0°C

Probe: EX3DV4 - SN7427; ConvF(7.45, 7.45, 7.45) @ 2300 MHz; Calibrated: 2/19/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1403; Calibrated: 2/13/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CD; Serial: 1736
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2300 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 9.59 W/kg
SAR(1 g) = 4.78 W/kg; SAR(10 g) = 2.26 W/kg
Deviation(1 g) = 2.36%



0 dB = 7.75 W/kg = 8.89 dBW/kg

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 945

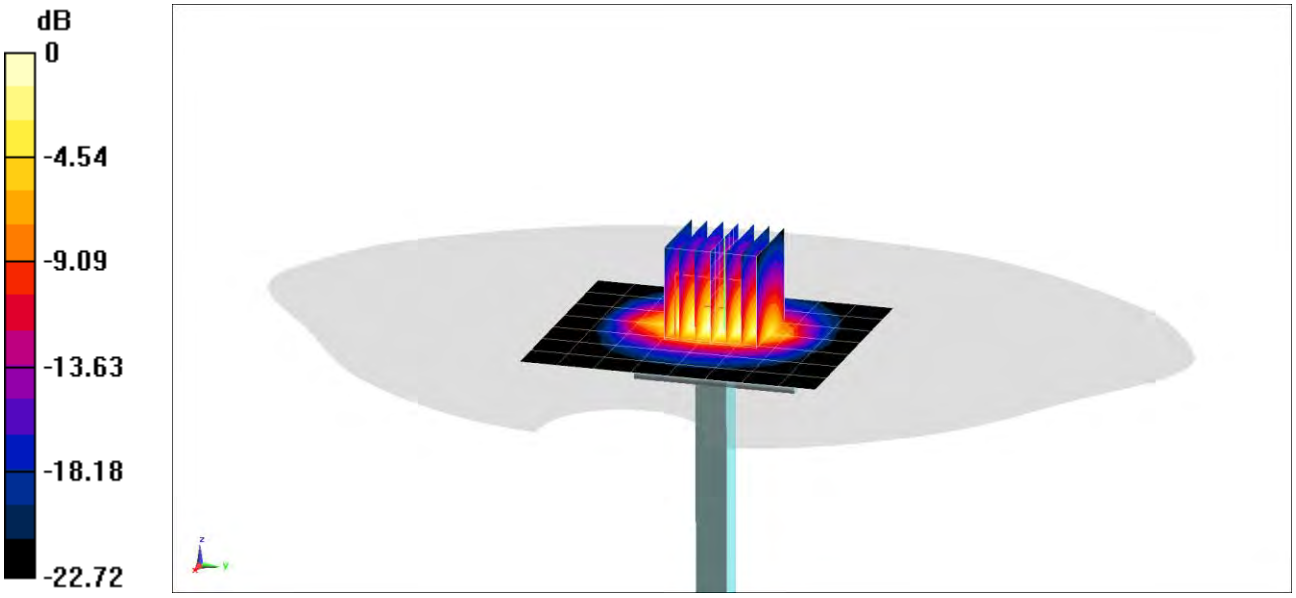
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: 2450 Body Medium parameters used:
f = 2450 MHz; σ = 2.029 S/m; ε_r = 50.436; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-10-2020; Ambient Temp: 22.4°C; Tissue Temp: 22.1°C

Probe: EX3DV4 - SN7532; ConvF(7.51, 7.51, 7.51) @ 2450 MHz; Calibrated: 4/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn501; Calibrated: 4/15/2020
Phantom: Twin-SAM V8.0_Left; Type: QD 000 P41 AA; Serial: 1935
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 10.8 W/kg
SAR(1 g) = 5.17 W/kg; SAR(10 g) = 2.37 W/kg
Deviation(1 g) = 4.66%



0 dB = 8.60 W/kg = 9.34 dBW/kg

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 750

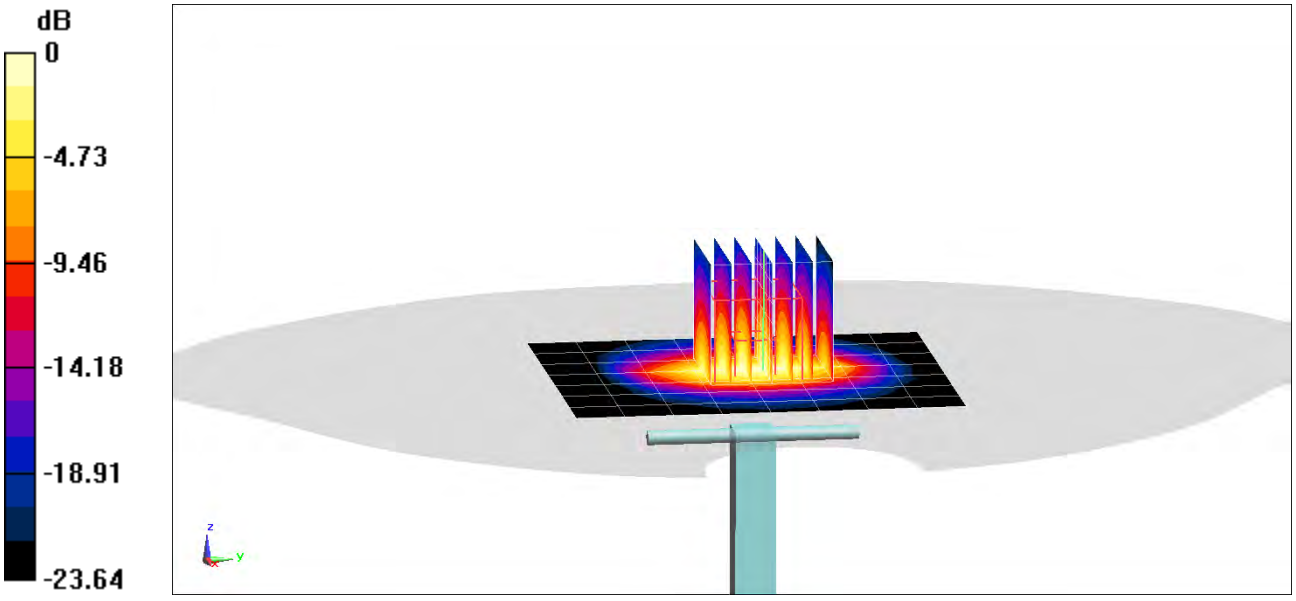
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: 2450-2600 MHz Body Medium parameters used:
f = 2450 MHz; σ = 2.034 S/m; ε_r = 51.157; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-11-2020; Ambient Temp: 21.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7416; ConvF(7.28, 7.28, 7.28) @ 2450 MHz; Calibrated: 6/22/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn701; Calibrated: 6/11/2020
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1936
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 10.6 W/kg
SAR(1 g) = 4.93 W/kg; SAR(10 g) = 2.22 W/kg
Deviation(1 g) = -3.33%



0 dB = 8.35 W/kg = 9.22 dBW/kg

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DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 945

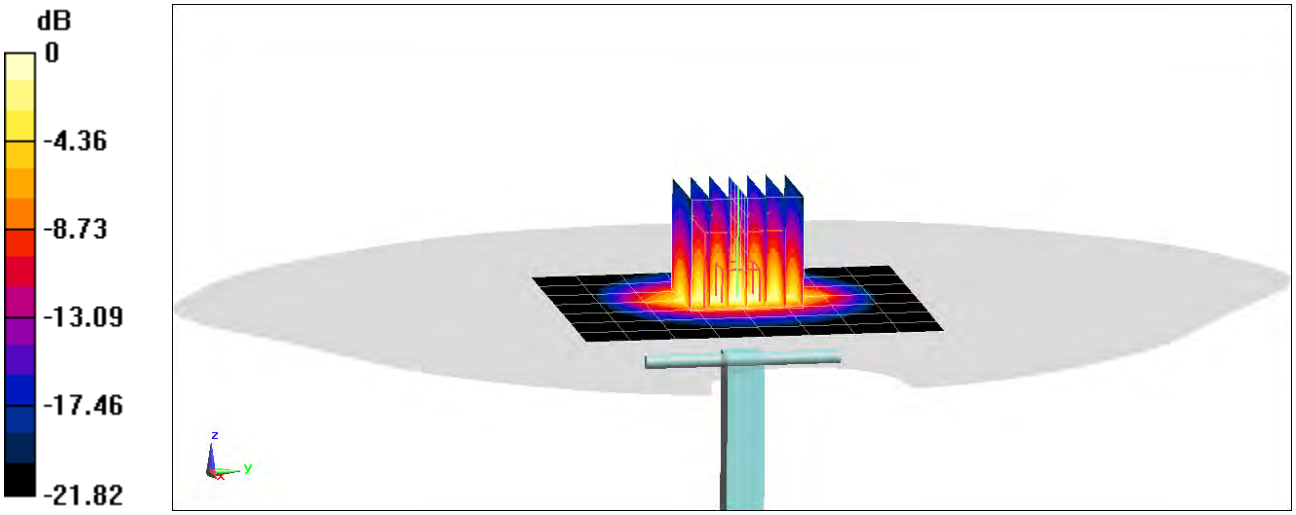
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: 2450-2600 Body Medium parameters used:
f = 2450 MHz; σ = 2.029 S/m; ε_r = 51.911; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-11-2020; Ambient Temp: 22.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7491; ConvF(7.64, 7.64, 7.64) @ 2450 MHz; Calibrated: 7/16/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1402; Calibrated: 7/9/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 10.9 W/kg
SAR(1 g) = 5.24 W/kg; SAR(10 g) = 2.43 W/kg
Deviation(1 g) = 6.07%



0 dB = 8.80 W/kg = 9.44 dBW/kg

PCTEST

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: 945

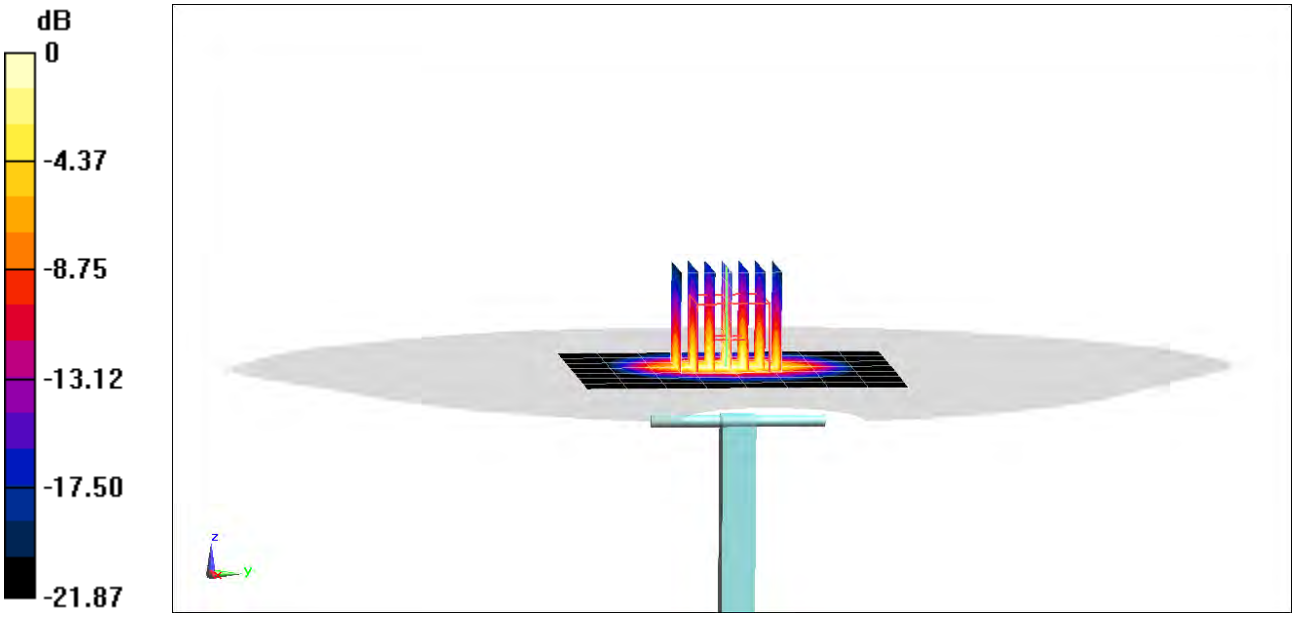
Communication System: UID 0, CW; Frequency: 2450 MHz; Duty Cycle: 1:1
Medium: 2450 Body Medium parameters used:
f = 2450 MHz; σ = 2.002 S/m; ε_r = 51.279; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-13-2020; Ambient Temp: 22.7°C; Tissue Temp: 22.5°C

Probe: EX3DV4 - SN7491; ConvF(7.64, 7.64, 7.64) @ 2450 MHz; Calibrated: 7/16/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1402; Calibrated: 7/9/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2450 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 10.9 W/kg
SAR(1 g) = 5.24 W/kg; SAR(10 g) = 2.42 W/kg
Deviation(1 g) = 6.07%



0 dB = 8.83 W/kg = 9.46 dBW/kg

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1042

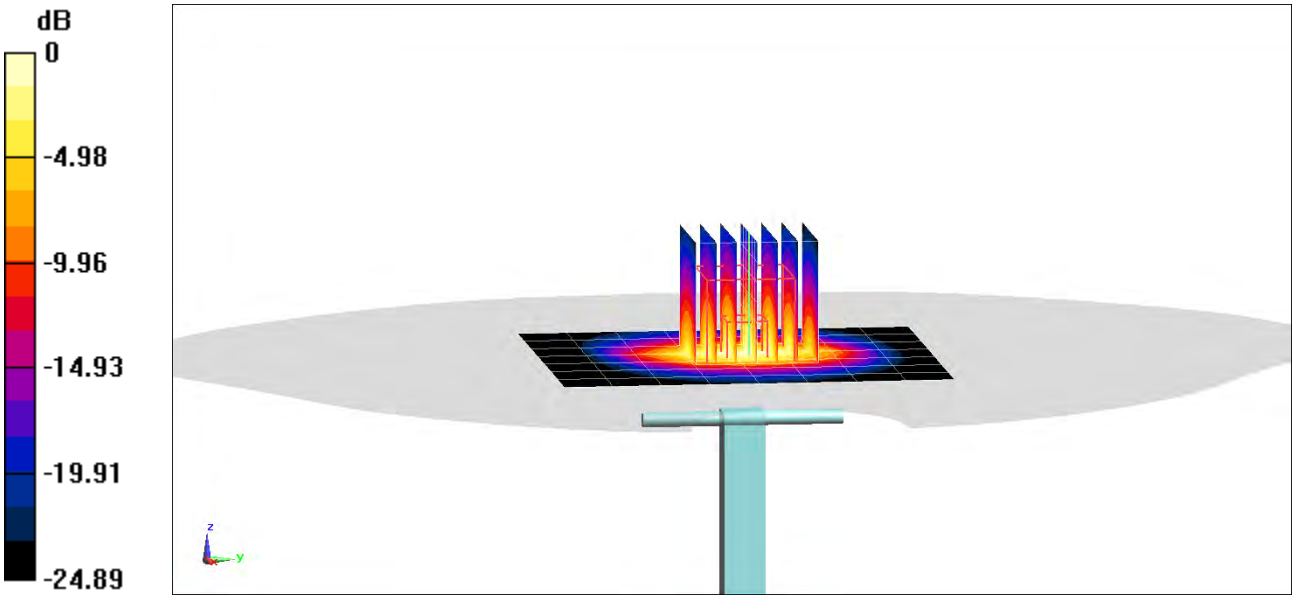
Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium: 2450-2600 MHz Body Medium parameters used:
f = 2600 MHz; σ = 2.24 S/m; ε_r = 50.617; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-11-2020; Ambient Temp: 21.1°C; Tissue Temp: 19.5°C

Probe: EX3DV4 - SN7416; ConvF(7.23, 7.23, 7.23) @ 2600 MHz; Calibrated: 6/22/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn701; Calibrated: 6/11/2020
Phantom: Twin-SAM V8.0; Type: QD 000 P41 Ax; Serial: 1936
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2600 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 12.8 W/kg
SAR(1 g) = 5.59 W/kg; SAR(10 g) = 2.4 W/kg
Deviation(1 g) = 1.27%



0 dB = 9.90 W/kg = 9.96 dBW/kg

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: 1009

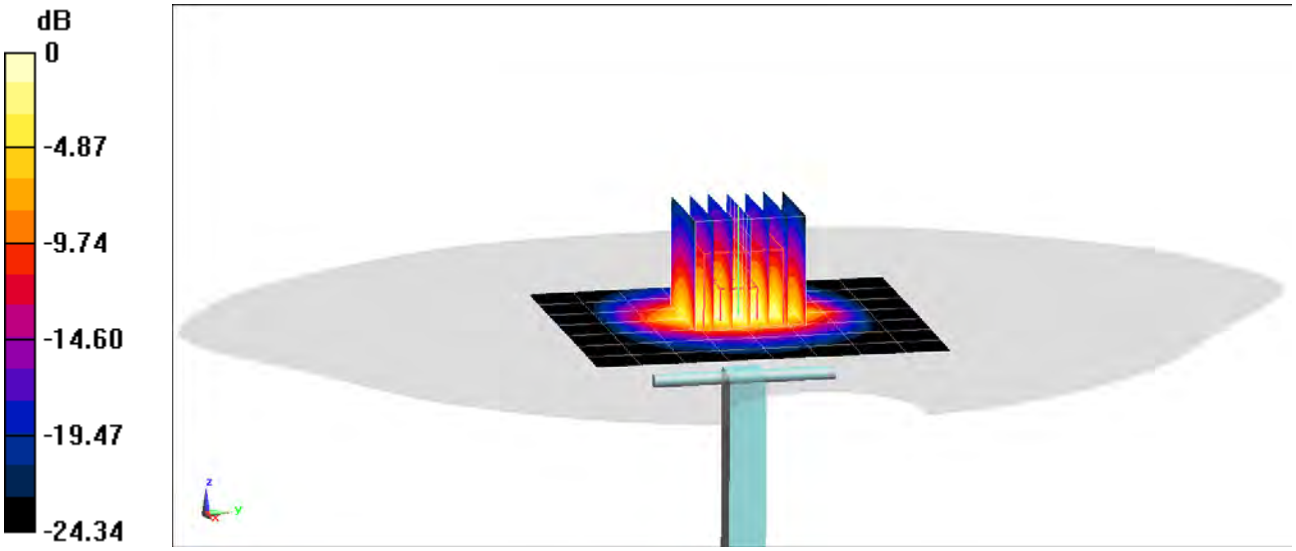
Communication System: UID 0, CW; Frequency: 2600 MHz; Duty Cycle: 1:1
Medium: 2450-2600 Body Medium parameters used:
f = 2600 MHz; σ = 2.237 S/m; ε_r = 51.342; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-11-2020; Ambient Temp: 22.9°C; Tissue Temp: 22.2°C

Probe: EX3DV4 - SN7491; ConvF(7.48, 7.48, 7.48) @ 2600 MHz; Calibrated: 7/16/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1402; Calibrated: 7/9/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1596
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

2600 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Peak SAR (extrapolated) = 12.8 W/kg
SAR(1 g) = 5.84 W/kg; SAR(10 g) = 2.56 W/kg
Deviation(1 g) = 5.23%



0 dB = 10.2 W/kg = 10.09 dBW/kg

DUT: Dipole 3500 MHz; Type: D3500V2; Serial: 1055

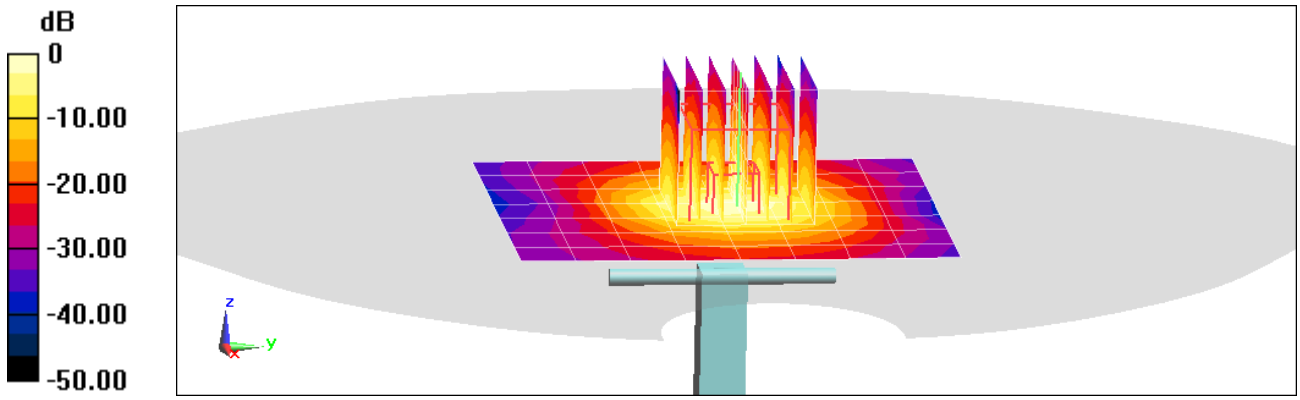
Communication System: UID 0, CW; Frequency: 3500 MHz; Duty Cycle: 1:1
Medium: 3500-3700 Body Medium parameters used:
f = 3500 MHz; σ = 3.447 S/m; ε_r = 50.05; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-07-2020; Ambient Temp: 20.2°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7421; ConvF(6.72, 6.72, 6.72) @ 3500 MHz; Calibrated: 3/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn604; Calibrated: 3/19/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

3500 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 16.6 W/kg
SAR(1 g) = 6.49 W/kg; SAR(10 g) = 2.39 W/kg
Deviation(1 g) = -0.15%



0 dB = 12.6 W/kg = 11.00 dBW/kg

DUT: Dipole 3700 MHz; Type: D3700V2; Serial: 1002

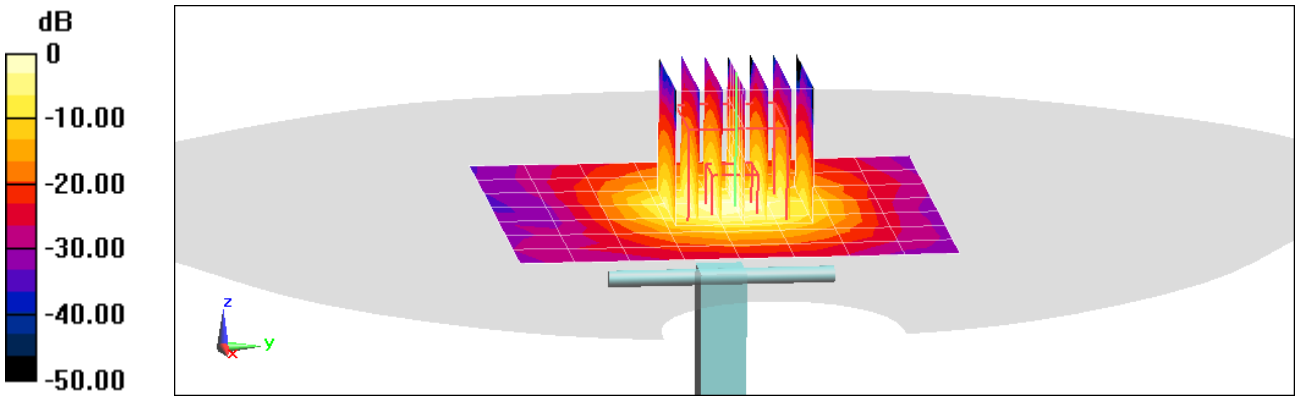
Communication System: UID 0, CW; Frequency: 3700 MHz; Duty Cycle: 1:1
Medium: 3500-3700 Body Medium parameters used (interpolated):
f = 3700 MHz; σ = 3.674 S/m; ε_r = 49.769; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-07-2020; Ambient Temp: 20.2°C; Tissue Temp: 20.6°C

Probe: EX3DV4 - SN7421; ConvF(6.57, 6.57, 6.57) @ 3700 MHz; Calibrated: 3/20/2020
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn604; Calibrated: 3/19/2020
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CC; Serial: 1179
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

3700 MHz System Verification at 20.0 dBm (100 mW)

Area Scan (8x9x1): Measurement grid: dx=12mm, dy=12mm
Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=1.4mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 16.8 W/kg
SAR(1 g) = 6.38 W/kg; SAR(10 g) = 2.28 W/kg
Deviation(1 g) = -1.39%



0 dB = 12.7 W/kg = 11.04 dBW/kg

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1123

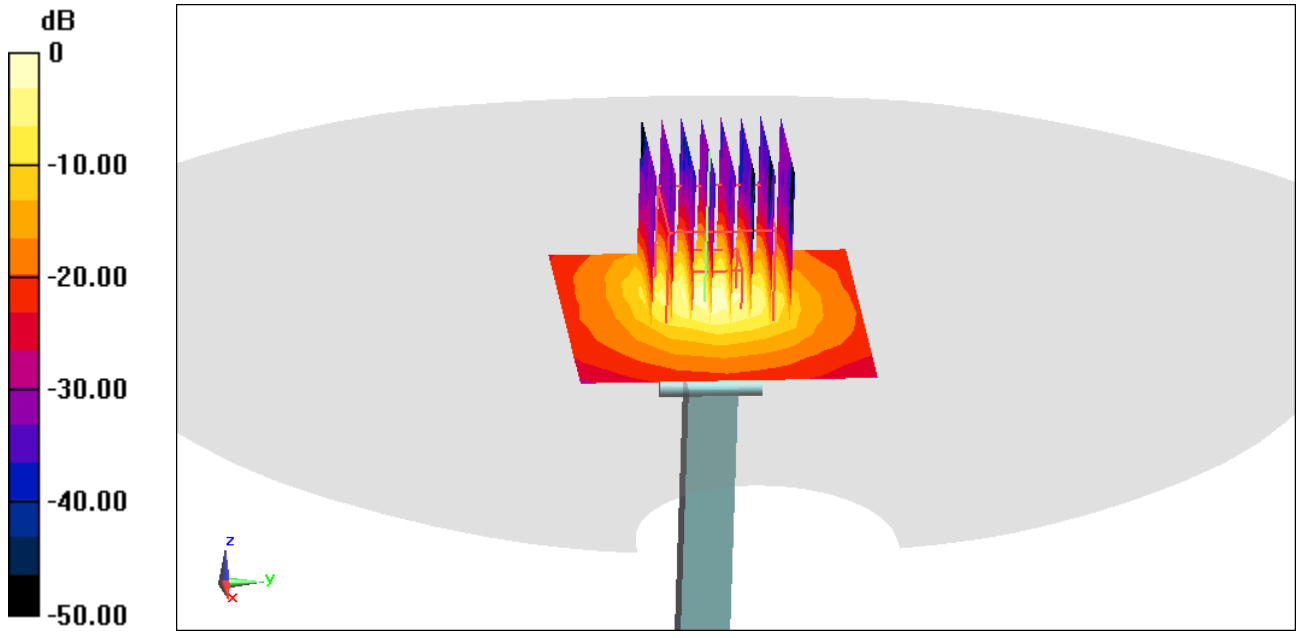
Communication System: UID 0, CW; Frequency: 5250 MHz; Duty Cycle: 1:1
Medium: 5 GHz Body Medium parameters used (interpolated):
f = 5250 MHz; σ = 5.52 S/m; ε_r = 47.724; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-03-2020; Ambient Temp: 21.7°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7420; ConvF(4.8, 4.8, 4.8) @ 5250 MHz; Calibrated: 11/21/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1213; Calibrated: 11/13/2019
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CA; Serial: 1275
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

5250 MHz System Verification at 17.0 dBm (50 mW)

Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x8)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 15.2 W/kg
SAR(1 g) = 3.51 W/kg; SAR(10 g) = 0.985 W/kg
Deviation(1 g) = -5.14%



0 dB = 8.59 W/kg = 9.34 dBW/kg

DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1123

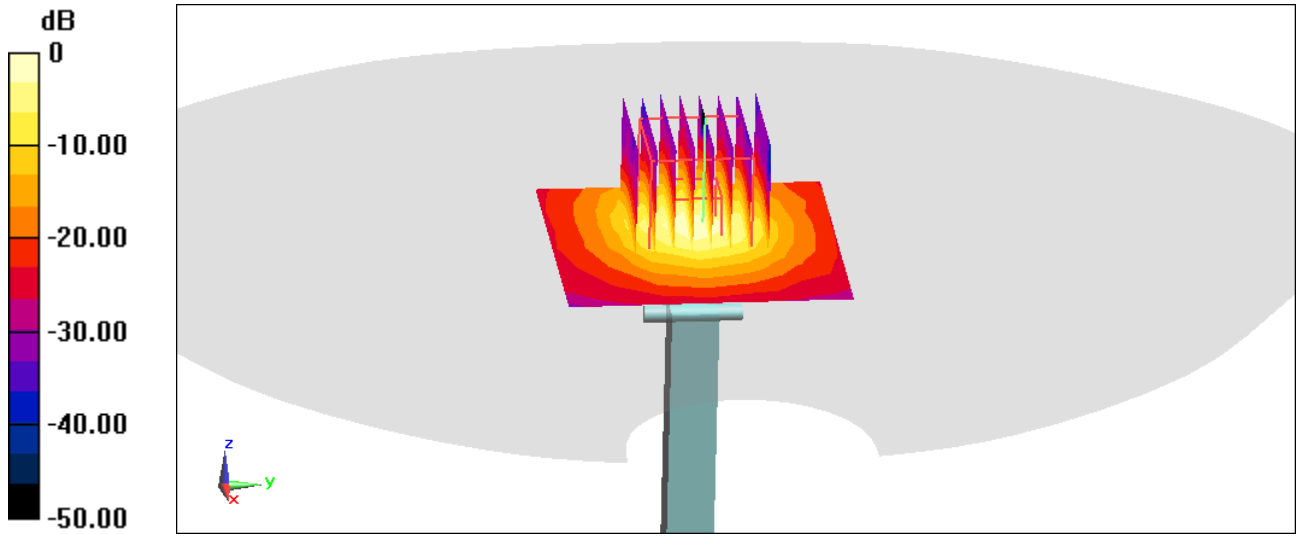
Communication System: UID 0, CW; Frequency: 5600 MHz; Duty Cycle: 1:1
Medium: 5 GHz Body Medium parameters used:
f = 5600 MHz; σ = 5.988 S/m; ε_r = 47.134; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-03-2020; Ambient Temp: 21.7°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7420; ConvF(4.1, 4.1, 4.1) @ 5600 MHz; Calibrated: 11/21/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1213; Calibrated: 11/13/2019
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CA; Serial: 1275
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

5600 MHz System Verification at 17.0 dBm (50 mW)

Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 18.5 W/kg
SAR(1 g) = 3.99 W/kg; SAR(10 g) = 1.11 W/kg
Deviation(1 g) = 2.84%



0 dB = 9.69 W/kg = 9.86 dBW/kg

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DUT: Dipole 5 GHz; Type: D5GHzV2; Serial: 1123

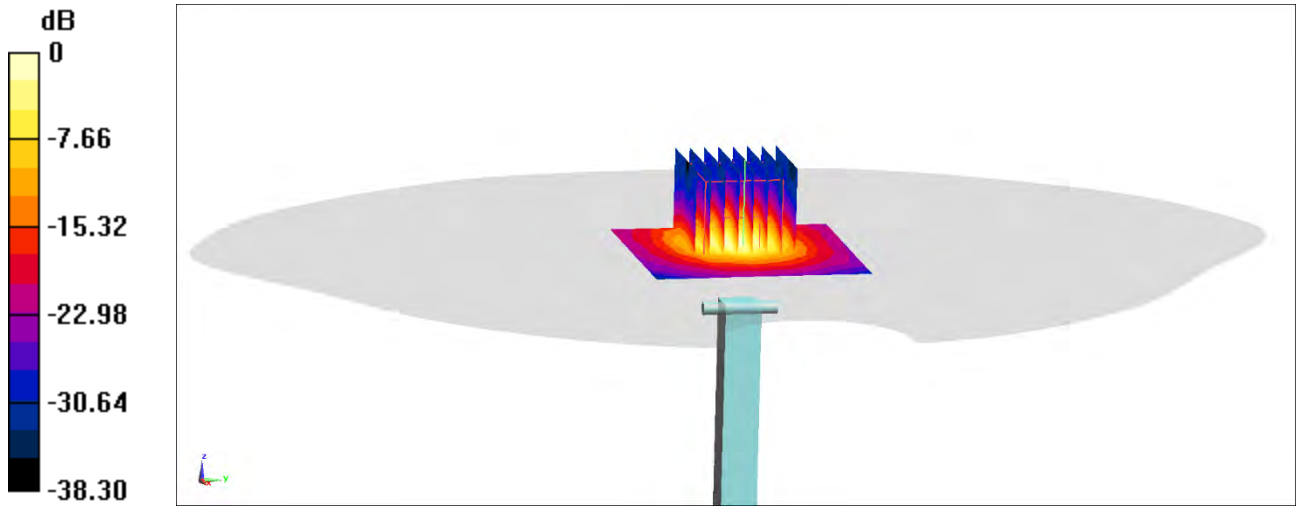
Communication System: UID 0, CW; Frequency: 5750 MHz; Duty Cycle: 1:1
Medium: 5 GHz Body Medium parameters used (interpolated):
f = 5750 MHz; σ = 6.193 S/m; ε_r = 46.871; ρ = 1000 kg/m^3
Phantom section: Flat Section; Space: 1.0 cm

Test Date: 08-03-2020; Ambient Temp: 21.7°C; Tissue Temp: 21.0°C

Probe: EX3DV4 - SN7420; ConvF(4.28, 4.28, 4.28) @ 5750 MHz; Calibrated: 11/21/2019
Sensor-Surface: 1.4mm (Mechanical Surface Detection)
Electronics: DAE4 Sn1213; Calibrated: 11/13/2019
Phantom: Twin-SAM V4.0; Type: QD 000 P40 CA; Serial: 1275
Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

5750 MHz System Verification at 17.0 dBm (50 mW)

Area Scan (7x7x1): Measurement grid: dx=10mm, dy=10mm
Zoom Scan (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm; Graded Ratio: 1.4
Peak SAR (extrapolated) = 17.9 W/kg
SAR(1 g) = 3.72 W/kg; SAR(10 g) = 1.03 W/kg
Deviation(1 g) = -0.40%



0 dB = 9.48 W/kg = 9.77 dBW/kg

APPENDIX C: SAR TISSUE SPECIFICATIONS

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Measurement Procedure for Tissue verification:

1) The network analyzer and probe system was configured and calibrated.
2) The probe was immersed in the tissue. The tissue was placed in a nonmetallic container. Trapped air bubbles beneath the flange were minimized by placing the probe at a slight angle.
3) The complex admittance with respect to the probe aperture was measured
4) The complex relative permittivity ε_r' can be calculated from the below equation (Pournaropoulos and Misra):

$$Y = \frac{j2\omega\varepsilon_r\varepsilon_0}{\left[\ln(b/a)\right]^2}\int_a^b\int_a^b\int_0^\pi \cos\phi' \frac{\exp\left[-j\omega r(\mu_0\varepsilon_r'\varepsilon_0)^{1/2}\right]}{r} d\phi' d\rho' d\rho$$

where *Y* is the admittance of the probe in contact with the sample, the primed and unprimed coordinates refer to source and observation points, respectively, $r^2 = \rho^2 + \rho'^2 - 2\rho\rho'\cos\phi'$, ω is the angular frequency, and $j = \sqrt{-1}$.

3 Composition / Information on ingredients

3.2 Mixtures
Description: Aqueous solution with surfactants and inhibitors
Declarable, or hazardous components:

CAS: 107-21-1 EINECS: 203-473-3 Reg.nr.: 01-2119456816-28-0000	**Ethanediol** STOT RE 2, H373; Acute Tox. 4, H302	>1.0-4.9%
CAS: 68608-26-4 EINECS: 271-781-5 Reg.nr.: 01-2119527859-22-0000	**Sodium petroleum sulfonate** Eye Irrit. 2, H319	< 2.9%
CAS: 107-41-5 EINECS: 203-489-0 Reg.nr.: 01-2119539582-35-0000	**Hexylene Glycol / 2-Methyl-pentane-2,4-diol** Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 2.9%
CAS: 68920-66-1 NLP: 500-236-9 Reg.nr.: 01-2119489407-26-0000	**Alkoxylated alcohol, > C_{16}** Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319	< 2.0%

Additional information:
For the wording of the listed risk phrases refer to section 16.
Not mentioned CAS-, EINECS- or registration numbers are to be regarded as Proprietary/Confidential.
The specific chemical identity and/or exact percentage concentration of proprietary components is withheld as a trade secret.

Figure C-1

Note: Liquid recipes are proprietary SPEAG. Since the composition is approximate to the actual liquids utilized, the manufacturer tissue-equivalent liquid data sheets are provided below.

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Schmid & Partner Engineering AG

s p e a g

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Phone +41 44 245 9700, Fax +41 44 245 9779
info@speag.com, http://www.speag.com

Measurement Certificate / Material Test

Item Name	**Body Tissue Simulating Liquid (MBBL600-6000V6)**
Product No.	SL AAM U16 BC (Batch: 181029-1)
Manufacturer	SPEAG

Measurement Method

TSL dielectric parameters measured using calibrated DAK probe.

Target Parameters

Target parameters as defined in the KDB 865664 compliance standard.

Test Condition

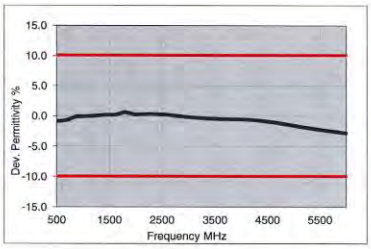
Ambient Condition	22°C ; 30% humidity
TSL Temperature	22°C
Test Date	30-Oct-18
Operator	CL

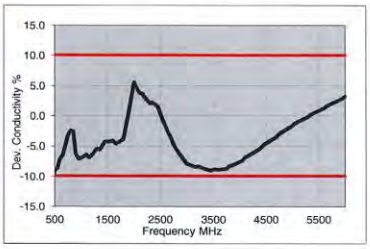
Additional Information

TSL Density
TSL Heat-capacity

Results

	Measured			Target		Diff.to Target [%]	
f [MHz]	e'	e''	sigma	eps	sigma	Δ-eps	Δ-sigma
800	55.1	21.3	0.95	55.3	0.97	-0.4	-2.1
825	55.1	20.8	0.96	55.2	0.98	-0.3	-2.0
835	55.1	20.6	0.96	55.1	0.99	0.0	-2.5
850	55.1	20.4	0.96	55.2	0.99	-0.1	-3.0
900	55.0	19.7	0.98	55.0	1.05	0.0	-6.7
1400	54.2	15.6	1.22	54.1	1.28	0.2	-4.7
1450	54.1	15.4	1.24	54.0	1.30	0.2	-4.6
1500	54.1	15.3	1.27	53.9	1.33	0.3	-4.5
1550	54.0	15.1	1.30	53.9	1.36	0.2	-4.4
1600	53.9	15.0	1.33	53.8	1.39	0.2	-4.3
1625	53.9	14.9	1.35	53.8	1.41	0.3	-4.3
1640	53.9	14.9	1.36	53.7	1.42	0.3	-4.2
1650	53.8	14.9	1.36	53.7	1.43	0.2	-4.9
1700	53.8	14.8	1.40	53.6	1.46	0.4	-4.1
1750	53.7	14.7	1.43	53.4	1.49	0.5	-4.0
1800	53.7	14.6	1.46	53.3	1.52	0.8	-3.9
1810	53.7	14.6	1.47	53.3	1.52	0.8	-3.3
1825	53.7	14.6	1.48	53.3	1.52	0.8	-2.6
1850	53.6	14.5	1.50	53.3	1.52	0.6	-1.3
1900	53.5	14.5	1.53	53.3	1.52	0.4	0.7
1950	53.5	14.5	1.57	53.3	1.52	0.4	3.3
2000	53.4	14.4	1.60	53.3	1.52	0.2	5.3
2050	53.4	14.4	1.64	53.2	1.57	0.3	4.5
2100	53.3	14.4	1.68	53.2	1.62	0.2	3.7
2150	53.3	14.4	1.72	53.1	1.66	0.4	3.6
2200	53.2	14.4	1.76	53.0	1.71	0.3	2.9
2250	53.1	14.4	1.81	53.0	1.76	0.2	2.8
2300	53.1	14.4	1.85	52.9	1.81	0.4	2.2
2350	53.0	14.5	1.89	52.8	1.85	0.3	2.2
2400	52.9	14.5	1.94	52.8	1.90	0.2	2.1
2450	52.9	14.5	1.98	52.7	1.95	0.4	1.5
2500	52.8	14.6	2.03	52.6	2.02	0.3	0.5
2550	52.7	14.6	2.07	52.6	2.09	0.2	-1.0
2600	52.6	14.7	2.12	52.5	2.16	0.2	-1.9





3500	51.1	15.5	3.02	51.3	3.31	-0.4	-8.8
3700	50.8	15.7	3.24	51.1	3.55	-0.5	-8.8
5200	48.1	18.2	5.27	49.0	5.30	-1.8	-0.6
5250	48.0	18.3	5.34	49.0	5.36	-1.9	-0.4
5300	47.9	18.4	5.41	48.9	5.42	-2.0	-0.2
5500	47.5	18.6	5.70	48.6	5.65	-2.2	0.8
5600	47.3	18.8	5.84	48.5	5.77	-2.3	1.3
5700	47.1	18.9	5.99	48.3	5.88	-2.5	1.8
5800	47.0	19.0	6.14	48.2	6.00	-2.6	2.3

Figure C-2
600 – 5800 MHz Body Tissue Equivalent Matter

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APPENDIX D: SAR SYSTEM VALIDATION

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Per FCC KDB Publication 865664 D02v01r02, SAR system validation status should be documented to confirm measurement accuracy. The SAR systems (including SAR probes, system components and software versions) used for this device were validated against its performance specifications prior to the SAR measurements. Reference dipoles were used with the required tissue- equivalent media for system validation, according to the procedures outlined in FCC KDB Publication 865664 D01v01r04 and IEEE 1528-2013. Since SAR probe calibrations are frequency dependent, each probe calibration point was validated at a frequency within the valid frequency range of the probe calibration point, using the system that normally operates with the probe for routine SAR measurements and according to the required tissue-equivalent media.

A tabulated summary of the system validation status including the validation date(s), measurement frequencies, SAR probes and tissue dielectric parameters has been included.

Table D-1
SAR System Validation Summary – 1g

SAR SYSTEM #	FREQ. [MHz]	DATE	PROBE SN	PROBE CAL. POINT		COND.	PERM.	CW VALIDATION			MOD. VALIDATION		
						(σ)	(εr)	SENSITIVITY	PROBE LINEARITY	PROBE ISOTROPY	MOD. TYPE	DUTY FACTOR	PAR
AM8	750	5/27/2020	7532	750	Body	0.942	52.946	PASS	PASS	PASS	N/A	N/A	N/A
AM6	835	3/10/2020	3837	835	Body	0.992	54.144	PASS	PASS	PASS	GMSK	PASS	N/A
AM4	835	4/22/2020	7421	835	Body	0.992	54.556	PASS	PASS	PASS	GMSK	PASS	N/A
AM1	1750	4/10/2020	7427	1750	Body	1.483	52.520	PASS	PASS	PASS	N/A	N/A	N/A
AM7	1900	5/13/2020	7490	1900	Body	1.582	50.652	PASS	PASS	PASS	GMSK	PASS	N/A
AM1	2300	4/13/2020	7427	2300	Body	1.895	51.862	PASS	PASS	PASS	N/A	N/A	N/A
AM8	2450	5/27/2020	7532	2450	Body	2.019	50.220	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM5	2450	7/6/2020	7416	2450	Body	1.996	51.990	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM3	2450	8/4/2020	7491	2450	Body	2.000	51.880	PASS	PASS	PASS	OFDM/TDD	PASS	PASS
AM5	2600	7/6/2020	7416	2600	Body	2.226	51.419	PASS	PASS	PASS	TDD	PASS	N/A
AM3	2600	8/3/2020	7491	2600	Body	2.213	51.310	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3500	5/11/2020	7421	3500	Body	3.389	50.340	PASS	PASS	PASS	TDD	PASS	N/A
AM4	3700	5/11/2020	7421	3700	Body	3.660	49.710	PASS	PASS	PASS	TDD	PASS	N/A
AM2	5250	12/3/2019	7420	5250	Body	5.500	48.380	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	5600	12/3/2019	7420	5600	Body	5.974	47.790	PASS	PASS	PASS	OFDM	N/A	PASS
AM2	5750	12/3/2019	7420	5750	Body	6.18	47.556	PASS	PASS	PASS	OFDM	N/A	PASS

NOTE: While the probes have been calibrated for both CW and modulated signals, all measurements were performed using communication systems calibrated for CW signals only. Modulations in the table above represent test configurations for which the measurement system has been validated per FCC KDB Publication 865664 D01v01r04 for scenarios when CW probe calibrations are used with other signal types. SAR systems were validated for modulated signals with a periodic duty cycle, such as GMSK, or with a high peak to average ratio (>5 dB), such as OFDM according to FCC KDB Publication 865664 D01v01r04.

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