

## SAR EVALUATION REPORT

**Applicant Name:**

LG Electronics MobileComm USA, Inc.  
1000 Sylvan Avenue, Englewood Cliffs NJ 07632

**Date of Issue:** 08. 25, 2017

**Test Report No.:** HCT-A-1708-F001-1

**Test Site:** HCT CO., LTD.

**FCC ID:**

**ZNFM700TV**

**Equipment Type:**  
**Application Type:**

GSM/WCDMA/LTE Phone with Bluetooth4.2LE, WIFI802.11 b/g/n  
Class II Permissive Change

**Model Name:**  
**Additional FCC Model(s):**

LG-M700TV  
LGM700TV, M700TV

**ECC Rule Part:**  
**Permissive change:**

47CFR §2.1093  
Changing Some target powers

**Date of Test:**

08/11/2017

This device has been shown to be capable of compliance for localized specific absorption rate (SAR) for uncontrolled environment/general population exposure limits specified in FCC KDB procedures and had been tested in accordance with the measurement procedures specified in FCC KDB procedures.

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.

**Tested By**



**Sung-Kun, Kwon**  
Test Engineer  
SAR Team  
Certification Division

**Reviewed By**



**Yun-Jeang, Heo**  
Technical Manager  
SAR Team  
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## DOCUMENT HISTORY

Version	DATE	DESCRIPTION
HCT-A-1708-F001	08. 16, 2017	First Approval Report
HCT-A-1708-F001-1	08. 25, 2017	Sec.1.4 was revised.

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# 1. Device Under Test Description

## 1.1 DUT specification

Device Wireless specification overview		
Band & Mode	Operating Mode	Tx Frequency
GSM/GPRS/EDGE 850	Voice / Data	824.2 – 848.8 MHz
GSM/GPRS/EDGE 1900	Voice / Data	1 850.2 – 1 909.8 MHz
UMTS 850	Voice / Data	826.4 – 846.6 MHz
UMTS 1900	Voice / Data	1 852.4 – 1 907.6 MHz
LTE Band 2 (PCS)	Voice / Data	1 850.7 – 1 909.3 MHz
LTE Band 7	Voice / Data	2 502.5 – 2 567.5 MHz
LTE Band 17	Voice / Data	706.5 – 713.5 MHz
2.4 GHz WLAN	Voice / Data	2 412 – 2 462 MHz
Bluetooth	Data	2 402 – 2 480 MHz

Device Description		
Device Dimension	Overall (Length x Width): 69.3 mm x 142.5 mm Overall diagonal dimension: 151 mm Display diagonal dimension: 135 mm	
Back Cover:	Normal Battery cover	
Battery Options	Standard (Li-ion Polymer Battery)	
	Battery Model Name: BL-T33, Manufacturer: LishenVX	
Device Serial Numbers	<b>Mode</b>	<b>Serial Number</b>
	LTE Band 2/ LTE Band 7	35CJH
	UMTS1900	35CJK

## 1.2 DUT Wireless mode

Wireless Modulation	Band	Operating Mode		Duty Cycle
GSM	850 1900	Voice(GMSK) GPRS (GMSK) EGPRS (8PSK)	GPRS/ EDGE Multi-Slot Class: Class 33 – 4 Up, 5 Down Mode class B	GSM Voice: 12.5% GPRS/EDGE: 1 Slot: 12.5% 2 Slots : 25% 3 Slots : 37.5% 4 Slots : 50%
WCDMA (UMTS)	Band 5 Band 2	UMTS Rel.99 (Voice / DATA) HSDPA (Rel. 5,Cat.10) HSUPA (Rel. 6 Cat.6) DC-HSDPA (Rel.8, Cat.24) HSPA+ (Rel. 7, Cat.14) (Uplink QPSK Only)		100 %
LTE Band	2 (PCS)	Voice / Data (QPSK, 16QAM)		100 % (FDD)
	7	Voice / Data (QPSK, 16QAM)		100 % (FDD)
	17	Voice / Data (QPSK, 16QAM)		100 % (FDD)
2.4 GHz WLAN		Voice / Data	802.11 b, 802.11 g, 802.11 n (HT20)	99.84 %
Bluetooth		Data		76.4 % (DH5)
Bluetooth 4.2 LE		Data		N/A

### 1.3 Nominal and Maximum Output Power Specifications

This device operates using the following maximum output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB publication 447498 D01v06.

#### Maximum PCE Power

Mode / Band		3GPP WCDMA	3GPP HSDPA(dBm)				3GPP HSUPA(dBm)					DC-HSDPA(dBm)			
			Sub test1	Sub test2	Sub test3	Sub test4	Sub test1	Sub test2	Sub test3	Sub test4	Sub Test5	Sub test1	Sub test2	Sub test3	Sub test4
UMTS Band 2 (1900 MHz)	Maximum	23.2	23.2	23.2	22.7	22.7	23.2	21.2	22.2	21.2	23.2	23.2	23.2	22.7	22.7
	Nominal	22.7	22.7	22.7	22.2	22.2	22.7	20.7	21.7	20.7	22.7	22.7	22.7	22.2	22.2

Mode / Band		Modulated Average (dBm)
LTE Band 2 (PCS)	Maximum	23.2
	Nominal	22.7
LTE Band 7	Maximum	23.7
	Nominal	23.2

## 1.4 SAR Test Exclusion

The power of the bands ( WCDMA Band 2 / LTE Band 2 / LTE Band 7 ) in the original model has been changed as shown in the table below

Conducted Output powers of C2PC model were measured and verified for the WCDMA Band 2, LTE Band 2 and LTE Band 7. Sec.2

Target Powers for the original model (WCDMA Band 2 / LTE Band 2 / LTE Band 7) are higher than C2PC model. Therefore, additional SAR testing of the C2PC model are not required

Detailed description of the change are include in LG Class II Change Description Document  
See Original Report No.: HCT-A-1706-F008-1 for SAR compliance evaluation

Item	Band	Description	
		Original Model	Permissive Changed model
Main RF Tune up power	WCDMA Band 2	23.2 dBm	22.7 dBm
	LTE Band 2	23.2 dBm	22.7 dBm
	LTE Band 7	23.7 dBm	23.2 dBm

## 1.5 Guidance Applied

- IEEE1528-2013
- FCC KDB Publication 941225 D01 3G SAR Procedures v03r01
- FCC KDB Publication 941225 D05 SAR for LTE Devices v02r05
- FCC KDB Publication 447498 D01 General SAR Guidance v06
- FCC KDB Publication 865664 D01 SAR measurement 100 MHz to 6 GHz v01r04

## 2. Output Power Specifications

This device operates using the following maximum output power specifications. SAR values were scaled to the maximum allowed power to determine compliance per KDB publication 447498 D01v06.

### 2.1 UMTS

#### WCDMA Band 2

3GPP Release Version	Mode	3GPP 34.121	WCDMA Band 2 [dBm]		
		Subtest	UL 9262 DL 9662	UL 9400 DL 9800	UL 9538 DL 9938
99	WCDMA	12.2 kbps RMC	22.89	22.82	22.96
99	WCDMA	12.2 kbps AMR	22.89	22.80	22.95
5	HSDPA	Subtest 1	22.79	22.74	22.84
5		Subtest 2	22.83	22.75	22.86
5		Subtest 3	22.21	22.11	22.25
5		Subtest 4	22.20	22.12	22.25
6	HSUPA	Subtest 1	21.88	21.73	22.00
6		Subtest 2	20.72	20.78	20.86
6		Subtest 3	21.82	21.63	21.81
6		Subtest 4	20.72	20.76	20.83
6		Subtest 5	22.06	21.98	21.99
8	DC-HSDPA	Subtest 1	22.75	22.67	22.84
8		Subtest 2	22.73	22.64	22.70
8		Subtest 3	22.26	22.18	22.25
8		Subtest 4	22.26	22.18	22.24

WCDMA Average Conducted output powers



## 2.2 LTE

### LTE Band 2 Conducted Power

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				18607	18900	19193		
				1850.7 MHz	1880 MHz	1909.3 MHz	[dB]	[dB]
1.4 MHz	QPSK	1	0	22.73	22.88	22.81	0	0
		1	3	22.79	22.92	23.04	0	0
		1	5	22.48	22.90	22.84	0	0
		3	0	22.64	22.76	22.67	0	0
		3	1	22.71	22.88	22.78	0	0
		3	3	22.77	22.73	22.69	0	0
	16QAM	6	0	21.69	21.86	21.69	0-1	1
		1	0	21.53	22.02	21.58	0-1	1
		1	3	21.75	21.85	21.81	0-1	1
		1	5	21.55	21.74	21.60	0-1	1
		3	0	21.57	21.70	21.60	0-1	1
		3	1	21.54	21.90	21.74	0-1	1
		3	3	21.50	21.83	21.67	0-1	1
		6	0	20.54	20.90	20.57	0-2	2

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				18615	18900	19185		
				1851.5 MHz	1880 MHz	1908.5 MHz	[dB]	[dB]
3 MHz	QPSK	1	0	22.77	22.85	22.96	0	0
		1	7	22.83	22.82	22.96	0	0
		1	14	22.81	22.78	22.75	0	0
		8	0	21.72	21.92	21.63	0-1	1
		8	3	21.80	21.96	21.66	0-1	1
		8	7	21.73	21.97	21.70	0-1	1
		15	0	21.72	21.88	21.63	0-1	1
	16QAM	1	0	21.60	21.72	21.58	0-1	1
		1	7	21.58	21.72	21.56	0-1	1
		1	14	21.33	21.72	21.56	0-1	1
		8	0	20.45	20.59	20.90	0-2	2
		8	3	20.81	20.62	20.95	0-2	2
		8	7	20.94	20.61	20.90	0-2	2
		15	0	20.74	20.67	20.74	0-2	2

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				18625	18900	19175		
				1852.5 MHz	1880 MHz	1907.5 MHz	[dB]	[dB]
5 MHz	QPSK	1	0	22.83	22.88	22.78	0	0
		1	12	23.03	23.09	23.15	0	0
		1	24	22.66	22.72	22.87	0	0
		12	0	21.76	21.77	21.61	0-1	1
		12	6	21.75	21.74	21.73	0-1	1
		12	11	21.75	21.82	21.75	0-1	1
		25	0	21.76	21.81	21.70	0-1	1
	16QAM	1	0	21.52	21.84	21.36	0-1	1
		1	12	21.58	21.46	21.63	0-1	1
		1	24	21.89	21.61	21.48	0-1	1
		12	0	20.61	20.69	20.40	0-2	2
		12	6	20.79	20.72	20.63	0-2	2
		12	11	20.70	20.87	20.65	0-2	2
		25	0	20.69	20.91	20.77	0-2	2

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				18650	18900	19150		
				1855 MHz	1880 MHz	1905 MHz	[dB]	[dB]
10 MHz	QPSK	1	0	22.84	22.94	23.04	0	0
		1	24	23.02	23.10	22.98	0	0
		1	49	22.71	22.98	22.79	0	0
		25	0	21.68	21.83	21.65	0-1	1
		25	12	21.64	21.84	21.69	0-1	1
		25	24	21.67	21.91	21.66	0-1	1
		50	0	21.61	21.80	21.60	0-1	1
	16QAM	1	0	21.56	21.66	21.62	0-1	1
		1	24	21.42	21.71	21.56	0-1	1
		1	49	21.46	21.69	21.60	0-1	1
		25	0	20.76	20.89	20.72	0-2	2
		25	12	20.68	21.00	20.91	0-2	2
		25	24	20.66	20.96	20.77	0-2	2
		50	0	20.55	20.96	20.76	0-2	2

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				18675	18900	19125		
				1857.5 MHz	1880 MHz	1902.5 MHz	[dB]	[dB]
15 MHz	QPSK	1	0	22.89	22.96	22.83	0	0
		1	36	23.02	23.11	23.04	0	0
		1	74	22.71	22.97	22.77	0	0
		36	0	21.74	21.89	21.77	0-1	1
		36	18	21.65	21.91	21.65	0-1	1
		36	38	21.74	21.87	21.68	0-1	1
		75	0	21.71	21.85	21.60	0-1	1
	16QAM	1	0	21.31	21.51	21.60	0-1	1
		1	36	21.50	21.57	21.55	0-1	1
		1	74	21.44	21.73	21.41	0-1	1
		36	0	20.67	20.83	20.75	0-2	2
		36	18	20.69	20.85	20.65	0-2	2
		36	38	20.58	20.83	20.63	0-2	2
		75	0	20.65	20.88	20.75	0-2	2

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				18700	18900	19100		
				1860 MHz	1880 MHz	1900 MHz	[dB]	[dB]
20 MHz	QPSK	1	0	22.93	23.13	22.96	0	0
		1	49	23.14	23.09	22.99	0	0
		1	99	22.76	23.00	22.80	0	0
		50	0	21.75	21.90	21.72	0-1	1
		50	25	21.76	21.86	21.58	0-1	1
		50	49	21.60	21.89	21.63	0-1	1
		100	0	21.73	21.88	21.72	0-1	1
	16QAM	1	0	21.71	21.79	21.65	0-1	1
		1	49	21.57	21.79	21.69	0-1	1
		1	99	21.49	21.65	21.57	0-1	1
		50	0	20.74	20.95	20.67	0-2	2
		50	25	20.81	21.01	20.56	0-2	2
		50	49	20.72	20.75	20.66	0-2	2
		100	0	20.78	20.79	20.73	0-2	2

**LTE Band 7 Maximum Conducted Power**

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				20775	21100	21425		
				2502.5MHz	2535MHz	2567.5MHz	[dB]	[dB]
5 MHz	QPSK	1	0	23.18	23.20	23.17	0	0
		1	12	23.62	23.54	23.35	0	0
		1	24	23.53	23.20	23.00	0	0
		12	0	22.25	22.14	22.00	0-1	1
		12	6	22.27	22.13	22.13	0-1	1
		12	11	22.33	22.14	22.14	0-1	1
		25	0	22.31	22.24	22.12	0-1	1
	16QAM	1	0	22.04	22.10	21.72	0-1	1
		1	12	22.36	22.11	21.71	0-1	1
		1	24	21.98	21.93	21.76	0-1	1
		12	0	21.17	21.08	20.92	0-2	2
		12	6	21.17	21.08	20.93	0-2	2
		12	11	21.20	20.98	20.90	0-2	2
		25	0	21.23	21.15	21.08	0-2	2

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				20800	21100	21400		
				2505MHz	2535MHz	2565MHz	[dB]	[dB]
10 MHz	QPSK	1	0	23.22	23.65	23.15	0	0
		1	24	23.34	23.48	23.33	0	0
		1	49	23.32	23.53	23.26	0	0
		25	0	22.21	22.36	22.08	0-1	1
		25	12	22.29	22.09	22.15	0-1	1
		25	24	22.19	22.15	22.13	0-1	1
		50	0	22.24	22.16	22.09	0-1	1
	16QAM	1	0	22.01	22.41	21.88	0-1	1
		1	24	22.22	21.94	21.92	0-1	1
		1	49	22.07	22.30	22.06	0-1	1
		25	0	21.31	21.28	21.13	0-2	2
		25	12	21.25	21.42	21.11	0-2	2
		25	24	21.25	21.09	21.02	0-2	2
		50	0	21.32	21.30	21.05	0-2	2

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				20825	21100	21375	[dB]	[dB]
				2507.5MHz	2535MHz	2562.5MHz		
15 MHz	QPSK	1	0	23.60	23.27	23.22	0	0
		1	36	23.35	23.41	23.10	0	0
		1	74	23.33	23.32	23.24	0	0
		36	0	22.25	22.31	22.05	0-1	1
		36	18	22.11	22.09	22.10	0-1	1
		36	38	22.23	22.24	22.09	0-1	1
		75	0	22.28	22.17	22.08	0-1	1
	16QAM	1	0	22.37	22.25	22.16	0-1	1
		1	36	22.09	22.27	22.02	0-1	1
		1	74	22.17	22.09	21.94	0-1	1
		36	0	21.24	21.26	21.05	0-2	2
		36	18	21.13	21.13	21.08	0-2	2
		36	38	21.15	21.19	20.99	0-2	2
		75	0	21.21	21.21	21.07	0-2	2

Bandwidth	Modulation	RB Size	RB Offset	Max. Average Power (dBm)			MPR Allowed Per 3GPP	MPR
				20850	21100	21350	[dB]	[dB]
				2510MHz	2535MHz	2560MHz		
20 MHz	QPSK	1	0	23.39	23.35	23.11	0	0
		1	49	23.55	23.33	23.23	0	0
		1	99	23.29	23.29	23.19	0	0
		50	0	22.29	22.27	22.05	0-1	1
		50	25	22.23	22.21	22.14	0-1	1
		50	49	22.23	22.26	22.14	0-1	1
		100	0	22.21	22.35	22.18	0-1	1
	16QAM	1	0	21.90	22.07	21.90	0-1	1
		1	49	22.10	22.24	21.89	0-1	1
		1	99	21.92	22.07	21.98	0-1	1
		50	0	21.27	21.40	21.02	0-2	2
		50	25	21.33	21.24	21.00	0-2	2
		50	49	21.24	21.22	20.90	0-2	2
		100	0	21.16	21.21	21.01	0-2	2

### 3. TEST EQUIPMENT

Manufacturer	Type / Model	S/N	Calib. Date	Calib.Interval	Calib.Due
Agilent	Base Station E5515C	GB444400269	02/02/2017	Annual	02/08/2018
R&S	Wideband Radio Communication Tester CMW500	101519	04/27/2017	Annual	04/27/2018
Anritsu	Radio Communication Analyzer/ MT8820C	6200628628	07/04/2017	Annual	07/04/2018
Anritsu	Radio Communication Analyzer/ MT8820C	6200576565	07/04/2017	Annual	07/04/2018

## 4. CONCLUSION

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the ANSI/IEEE C95.1 1992.

These measurements are taken to simulate the RF effects exposure under worst-case conditions. Precise laboratory measures were taken to assure repeatability of the tests.

The SAR measurement indicates that the EUT complies with the RF radiation exposure limits of the FCC and Industry Canada. 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.

## 5. REFERENCES

- [1] IEEE Standards Coordinating Committee 34 – IEEE Std. 1528-2013, IEEE Recommended Practice or Determining the Peak Spatial-Average Specific Absorption Rate (SAR) in the Human Body from Wireless Communications Devices.
- [2] Federal Communications Commission, ET Docket 93-62, Guidelines for Evaluating the Environmental Effects of Radio frequency Radiation, Aug. 1996.
- [3] ANSI/IEEE C95.1 - 1991, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 300 kHz to 100 GHz, New York: IEEE, Aug. 1992
- [4] ANSI/IEEE C 95.1 - 2005, American National Standard safety levels with respect to human exposure to radio frequency electromagnetic fields, 3 kHz to 300 GHz, New York: IEEE, 2006.
- [5] ANSI/IEEE C95.3 - 1991, IEEE Recommended Practice for the Measurement of Potentially Hazardous Electromagnetic Fields - RF and Microwave, New York: IEEE, 1992.
- [6] NCRP, National Council on Radiation Protection and Measurements, Biological Effects and Exposure Criteria for Radio Frequency Electromagnetic Fields, NCRP Report No. 86, 1986. Reprinted Feb. 1995.
- [7] T. Schmid, O. Egger, N. Kuster, Automated E-field scanning system for dosimetric assessments, IEEE Transaction on Microwave Theory and Techniques, vol. 44, Jan. 1996, pp. 105-113.
- [8] K. Pokovic, T. Schmid, N. Kuster, Robust setup for precise calibration of E-field probes in tissue simulating liquids at mobile communications frequencies, ICECOM97, Oct. 1997, pp. 120-124.
- [9] K. Pokovic, T. Schmid, and N. Kuster, E-field Probe with improved isotropy in brain simulating liquids, Proceedings of the ELMAR, Zadar, Croatia, June 23-25, 1996, pp. 172-175.
- [10] Schmid & Partner Engineering AG, Application Note: Data Storage and Evaluation, June 1998, p2.
- [11] V. Hombach, K. Meier, M. Burkhardt, E. Kuhn, N. Kuster, The Dependence of EM Energy Absorption upon Human Head Modeling at 900 MHz, IEEE Transaction on Microwave Theory and Techniques, vol. 44 no. 10, Oct. 1996, pp. 1865-1873.
- [12] N. Kuster and Q. Balzano, Energy absorption mechanism by biological bodies in the near field of dipole antennas above 300 MHz, IEEE Transaction on Vehicular Technology, vol. 41, no. 1, Feb. 1992, pp. 17-23.
- [13] G. Hartsgrrove, A. Kraszewski, A. Surowiec, Simulated Biological Materials for Electromagnetic Radiation Absorption Studies, University of Ottawa, Bioelectro magnetics, Canada: 1987, pp. 29-36.
- [14] Q. Balzano, O. Garay, T. Manning Jr., Electromagnetic Energy Exposure of Simulated Users of Portable Cellular Telephones, IEEE Transactions on Vehicular Technology, vol. 44, no.3, Aug. 1995.
- [15] W. Gander, Computer mathematick, Birkhaeuser, Basel, 1992.
- [16] W.H. Press, S.A. Teukolsky, W.T. Vetterling, and B.P. Flannery, Numerical Recepies in C, The Art of Scientific Computing, Second edition, Cambridge University Press, 1992.
- [17] N. Kuster, R. Kastle, T. Schmid, Dosimetric evaluation of mobile communications equipment with known precision, IEEE Transaction on Communications, vol. E80-B, no. 5, May 1997, pp. 645-652.
- [18] CENELEC CLC/SC111B, European Prestandard (prENV 50166-2), Human Exposure to Electromagnetic Fields High-frequency: 10 kHz-300 GHz, Jan. 1995.
- [19] Prof. Dr. Niels Kuster, ETH, EidgenØssische Technische Hoschsschule ZØrich, Dosimetric Evaluation of the Cellular Phone.



- [20] IEC 62209-1, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation and procedures – Part 1: Procedure to determine the specific absorption rate (SAR) for hand-held devices used in close proximity to the ear (frequency range of 300 MHz to 3 GHz), Feb. 2005.
- [21] IEC 62209-2, Human exposure to radio frequency fields from hand-held and body-mounted wireless communication devices – Human models, instrumentation, and procedures – Part 2: Procedure to determine the specific absorption rate (SAR) for wireless communication devices used in close proximity to the human body (frequency range of 30 MHz to 6 GHz) Mar. 2010.
- [22] Industry Canada RSS-102 Radio Frequency Exposure Compliance of Radio communication Apparatus (All Frequency Band) Issue 5, March 2015.
- [23] Health Canada Safety Code 6 Limits of Human Exposure to Radio Frequency Electromagnetic Fields in the Frequency Range from 3 kHz – 300 GHz, 2009
- [24] FCC SAR Test procedures for 2G-3G Devices, Mobile Hotspot and UMPC Device KDB 941225 D01.
- [25] SAR Measurement Guidance for IEEE 802.11 transmitters, KDB 248227 D01.
- [26] SAR Evaluation of Handsets with Multiple Transmitters and Antennas KDB 648474 D03, D04.
- [27] SAR Evaluation for Laptop, Notebook, Netbook and Tablet computers KDB 616217 D04.
- [28] SAR Measurement and Reporting Requirements for 100 MHz – 6 GHz, KDB 865664 D01, D02.
- [29] FCC General RF Exposure Guidance and SAR procedures for Dongles, KDB 447498 D01, D02.