

Dipole Calibration for Head Tissue/Pin=100mW, dist=10mm, f=5750 MHz/Zoom Scan,**dist=1.4mm (8x8x7)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 70.45 V/m; Power Drift = 0.09 dB

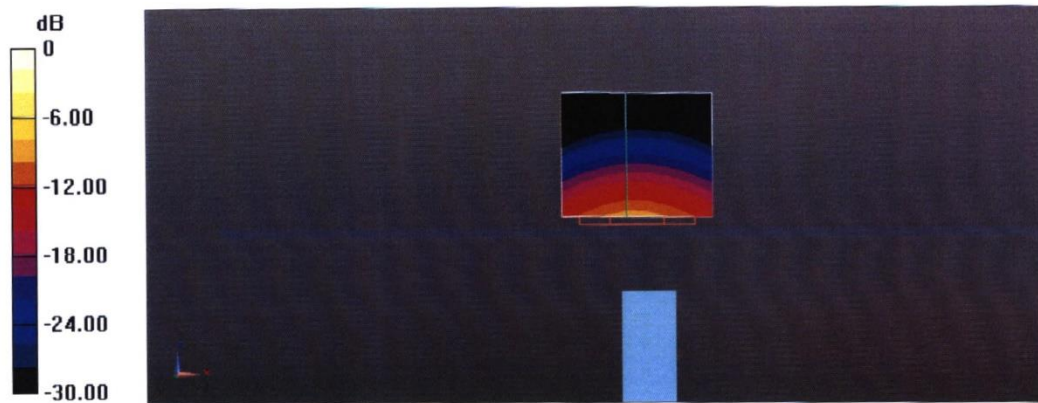
Peak SAR (extrapolated) = 30.8 W/kg

SAR(1 g) = 7.94 W/kg; SAR(10 g) = 2.25 W/kg

Smallest distance from peaks to all points 3 dB below = 7.2 mm

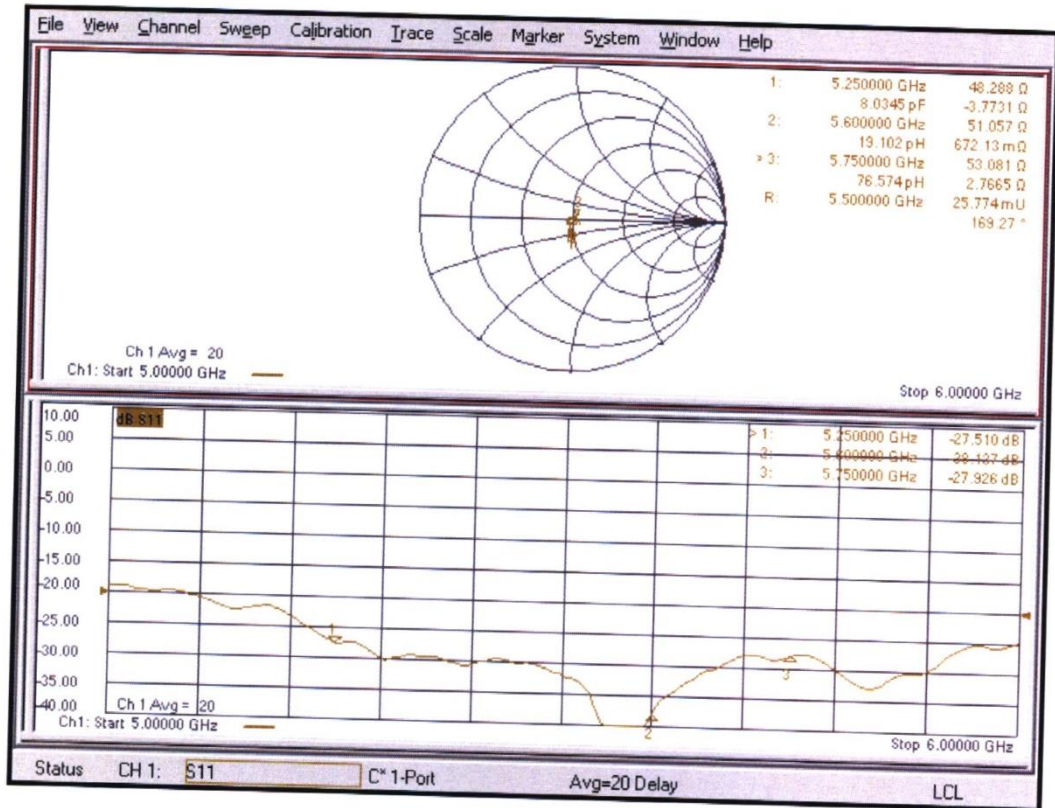
Ratio of SAR at M2 to SAR at M1 = 66.2%

Maximum value of SAR (measured) = 19.3 W/kg



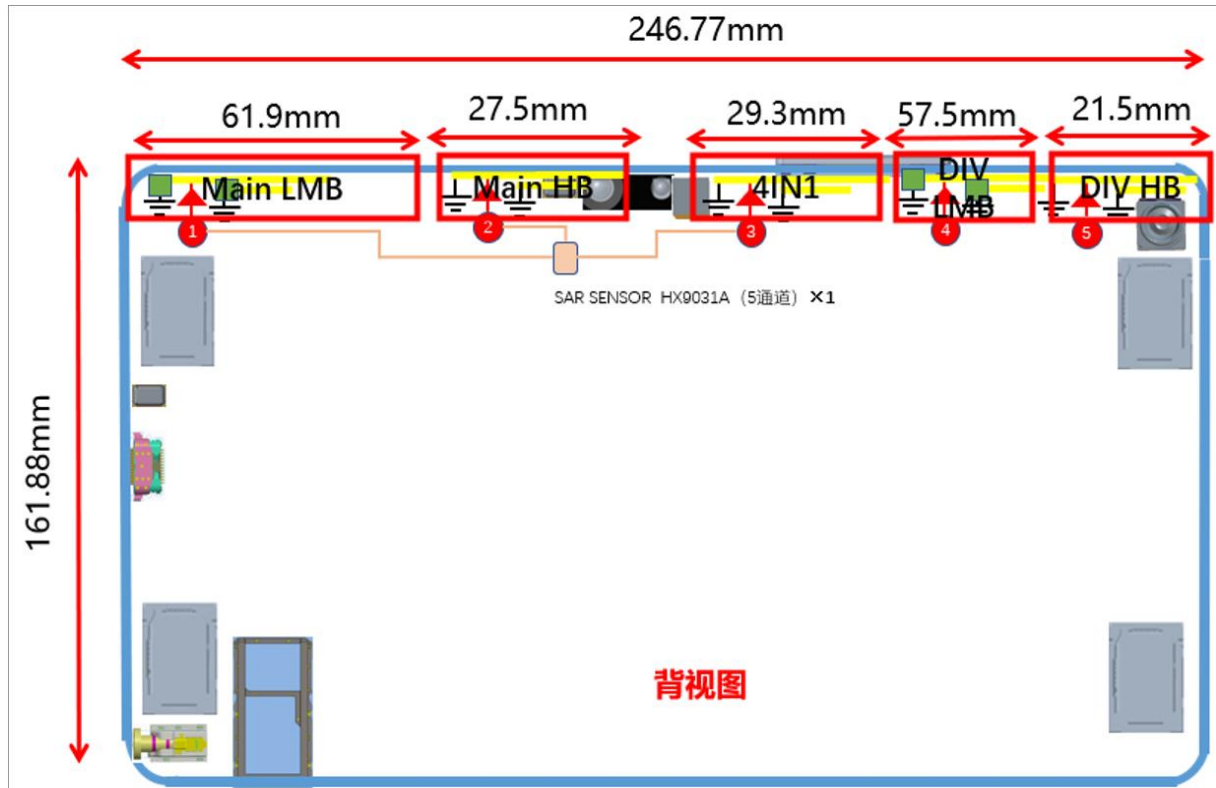
0 dB = 18.4 W/kg = 12.65 dBW/kg

Impedance Measurement Plot for Head TSL



ANNEX I Sensor Triggering Data Summary

SAR sensor trigger Diagram:



	serial number	Trigger scene	SAR test scene	Side	declarative distance
ANT1 LB/MB Ant	1	234G sar sensor trigger	Body sar back	Back (mm)	16mm
	2	234G sar sensor trigger	Body sar front	Front(mm)	17mm
	3	234G sar sensor trigger	Body sar top	top(mm)	12mm
	4	234G sar sensor trigger	Body sar left	Right(mm)	13mm
ANT2 HB/UHB Ant	5	234G sar sensor trigger	Body sar back	Back (mm)	16mm
	6	234G sar sensor trigger	Body sar front	Front(mm)	20mm
	7	234G sar sensor trigger	Body sar top	top(mm)	18mm
ANT3 WIFI Ant	8	wifi sar sensor trigger	Body sar back	Back (mm)	18mm
	9	wifi sar sensor trigger	Body sar front	Front(mm)	16mm
	10	wifi sar sensor trigger	Body sar top	top(mm)	16mm



Per FCC KDB Publication 616217 D04v01r02, this device was tested by the manufacturer to determine the proximity sensor triggering distances for the rear and bottom edge of the device. The measured output power within ± 5 mm of the triggering points (or until touching the phantom) is included for rear and each applicable edge.

To ensure all production units are compliant it is necessary to test SAR at a distance 1mm less than the smallest distance from the device and SAR phantom (determined from these triggering tests according to the KDB 616217 D04v01r02) with the device at maximum output power without power reduction. These SAR tests are included in addition to the SAR tests for the device touching the SAR phantom, with reduced power.

We tested the power and got the different proximity sensor triggering distances for front, rear, left and top edge for ANT1. The manufacturer has declared 17mm is the most conservative triggering distance for ANT1 with front edge. The 16mm distance for rear edge. The 12mm distance for top edge. The 13mm distance for Right edge. So base on the most conservative triggering distance of 17/16/12/13mm, additional SAR measurements were required at 16/15/11/12mm from the highest SAR position between front/rear/top/right edge of ANT1.

We tested the power and got the different proximity sensor triggering distances for front, rear, left and top edge for ANT2. The manufacturer has declared 20mm is the most conservative triggering distance for ANT2 with front edge. The 16mm distance for rear edge. The 18mm distance for top edge. So base on the most conservative triggering distance of 20/16/18mm, additional SAR measurements were required at 19/15/17mm from the highest SAR position between front/rear/top edge of ANT2.

We tested the power and got the different proximity sensor triggering distances for front, rear, left and top edge for ANT3. The manufacturer has declared 16mm is the most conservative triggering distance for ANT3 with front edge. The 18mm distance for rear edge. The 16mm distance for top edge. So base on the most conservative triggering distance of 16/18/16mm, additional SAR measurements were required at 15/17/15mm from the highest SAR position between front/rear/top edge of ANT3.

ANT1:
Front

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	22	21	20	19	18	17	16	15	14	13	12
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	12	13	14	15	16	17	18	19	20	21	22
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

Rear

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	21	20	19	18	17	16	15	14	13	12	11
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	11	12	13	14	15	16	17	18	19	20	21
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

Top Edge

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	17	16	15	14	13	12	11	10	9	8	7
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	7	8	9	10	11	12	13	14	15	16	17
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

Right Edge

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	18	17	16	15	14	13	12	11	10	9	8
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	8	9	10	11	12	13	14	15	16	17	18
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

ANT2:

Front

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	25	24	23	22	21	20	19	18	17	16	15
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	15	16	17	18	19	20	21	22	23	24	25
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

Rear

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	21	20	19	18	17	16	15	14	13	12	11
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	11	12	13	14	15	16	17	18	19	20	21
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

Top Edge

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	23	22	21	20	19	18	17	16	15	14	13
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	13	14	15	16	17	18	19	20	21	22	23
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

ANT3:
Front

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	21	20	19	18	17	16	15	14	13	12	11
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	11	12	13	14	15	16	17	18	19	20	21
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

Rear

Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	23	22	21	20	19	18	17	16	15	14	13
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	11	12	13	14	15	16	17	18	19	20	21
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

Top Edge

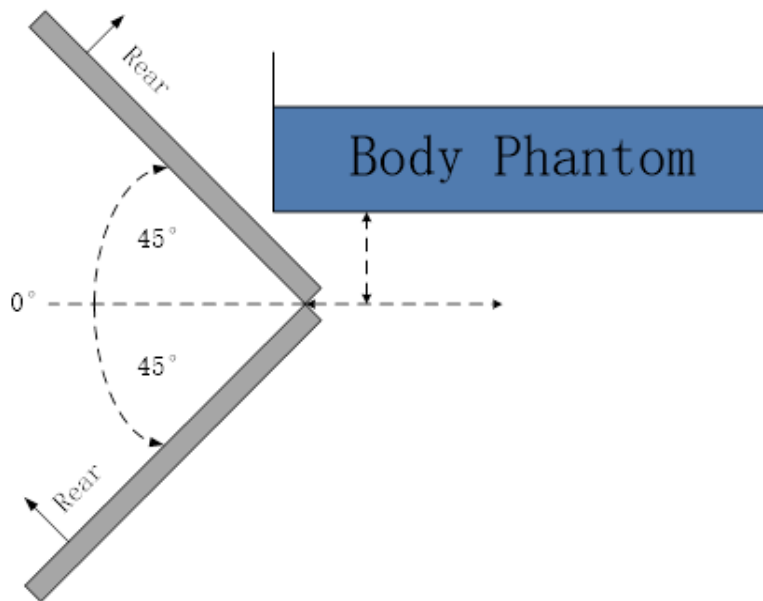
Moving device toward the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	21	20	19	18	17	16	15	14	13	12	11
Main antenna	Far	Far	Far	Far	Far	Near	Near	Near	Near	Near	Near

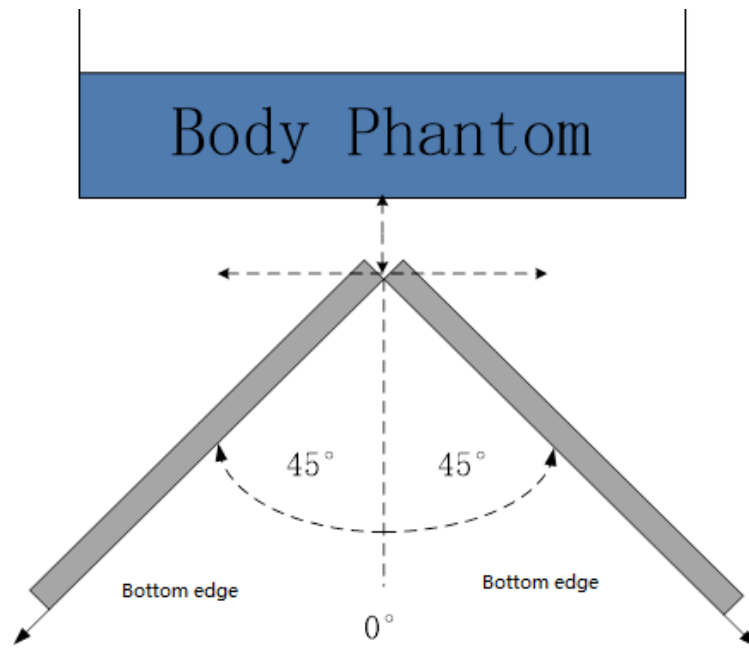
Moving device away from the phantom:

sensor near or far(KDB 616217 6.2.6)											
Distance [mm]	11	12	13	14	15	16	17	18	19	20	21
Main antenna	Near	Near	Near	Near	Near	Near	Far	Far	Far	Far	Far

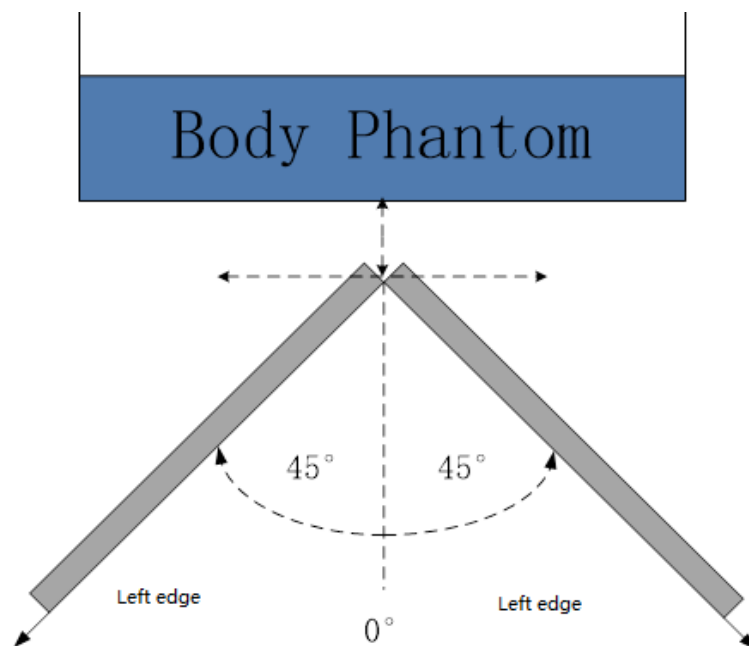
Per FCC KDB Publication 616217 D04v01r02, the influence of table tilt angles to proximity sensor triggering is determined by positioning each edge that contains a transmitting antenna, perpendicular to the flat phantom, at the smallest sensor triggering test distance by rotating the device around the edge next to the phantom in $\leq 10^\circ$ increments until the tablet is $\pm 45^\circ$ or more from the vertical position at 0° .



The front/rear evaluation



The top edge evaluation



The Right edge evaluation

Based on the above evaluation, we come to the conclusion that the sensor triggering is not released and normal maximum output power is not restored within the $\pm 45^\circ$ range at the smallest sensor triggering test distance declared by manufacturer.

ANNEX J Accreditation Certificate

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 600118-0

Telecommunication Technology Labs, CAICT
Beijing
China

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

Electromagnetic Compatibility & Telecommunications

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2021-09-29 through 2022-09-30
Effective Dates




For the National Voluntary Laboratory Accreditation Program