

Report No.: HA930415-07B



HEARING AID COMPATIBILITY T-COIL TEST REPORT

FCC ID : IHDT56XS1

Equipment: Mobile Cellular Phone

Brand Name: Motorola

T-Rating : T4

Applicant : Motorola Mobility LLC

222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

Manufacturer: Motorola Mobility LLC

222 W, Merchandise Mart Plaza, Chicago IL 60654 USA

Standard: FCC 47 CFR §20.19

ANSI C63.19-2011

The product was received on Apr. 09, 2019 and testing was started from Apr. 10, 2019 and completed on Apr. 18, 2019. We, SPORTON INTERNATIONAL INC., would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Cona Huang / Deputy Manager

Gua Guang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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Appendix A. Plots of T-Coil Measurement Appendix B. DASY Calibration Certificate

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History of this test report

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Report No.	Version	Description	Issued Date
HA930415-07B	Rev. 01	Initial issue of report	Apr. 26, 2019

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1. Attestation of Test Results

Air Interface	Band MHz	T-Rating	Frequency Response	Magnetic Intensity		
OTT over LTE	Band 2	T4	Pass	Pass		
VoWiFI	2450	T4	Pass	Pass		
Date Tested	2019/4/10 ~ 2019/4/18					

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The device is compliance with HAC limits specified in guidelines FCC 47CFR §20.19 and ANSI Standard ANSI C63.19.

Reviewed by: <u>Jason Wang</u> Report Producer: <u>Wan Liu</u>

2. General Information

	Product Feature & Specification
Applicant Name	Motorola Mobility LLC
Equipment Name	Mobile Cellular Phone
Brand Name	Motorola
FCC ID	IHDT56XS1
Frequency Band	GSM850: 824.2 MHz ~ 848.8 MHz GSM1900: 1850.2 MHz ~ 1909.8 MHz WCDMA Band II: 1852.4 MHz ~ 1907.6 MHz WCDMA Band V: 826.4 MHz ~ 846.6 MHz CDMA2000 BC0: 824.7 MHz ~ 848.31 MHz CDMA 2000 BC1: 1851.25 MHz ~ 1908.75 MHz LTE Band 2: 1850.7 MHz ~ 1909.3 MHz LTE Band 4: 1710.7 MHz ~ 1754.3 MHz LTE Band 5: 824.7 MHz ~ 848.3 MHz LTE Band 7: 2502.5 MHz ~ 2567.5 MHz LTE Band 12: 699.7 MHz ~ 715.3 MHz LTE Band 13: 779.5 MHz ~ 7715.3 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz LTE Band 66: 1710.7 MHz ~ 1779.3 MHz WLAN 2.4GHz Band: 2412 MHz ~ 2462 MHz WLAN 5.3GHz Band: 5180 MHz ~ 5320 MHz WLAN 5.5GHz Band: 5500 MHz ~ 5720 MHz WLAN 5.6GHz Band: 5745 MHz ~ 5825 MHz Bluetooth: 2402 MHz ~ 2480 MHz NFC: 13.56 MHz
Mode	GSM/GPRS/EGPRS AMR / RMC 12.2Kbps HSDPA HSUPA CDMA2000: 1xRTT/1xEv-Do(Rel.0)/1xEv-Do(Rev.A) LTE: QPSK, 16QAM, 64QAM 802.11a/b/g/n/ac HT20/HT40/VHT20/VHT40/VHT80 Bluetooth BR/EDR/LE NFC:ASK

Remark

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When the mobile 5G MOD (FCC ID: IHDT56XL1) is attached to the phone(FCC ID: IHDT56XS1), the phone can
utilize the mobile 5G MOD wireless connect to the internet to do VoIP call, therefore, additional HAC testing was
performed to show compliance

Mobile 5G MOD (FCC ID: IHDT56XL1) information as follows:

Applicant Name	Motorola Mobility LLC
Equipment Name	Mobile 5G MOD
	LTE Band 2: 1850.7 MHz ~ 1909.3 MHz
	LTE Band 4: 1710.7 MHz ~ 1754.3 MHz
	LTE Band 5: 824.7 MHz ~ 848.3 MHz
Evenue Pend	LTE Band 13: 779.5 MHz ~ 784.5 MHz
Frequency Band	LTE Band 66: 1710.7 MHz ~ 1779.3 MHz
	LTE Band 48: 3552.5 MHz ~ 3697.5 MHz
	5G NR n260: 37.05GHz~39.95GHz
	5G NR n261: 27.5GHz~28.35GHz
Mada	LTE: QPSK, 16QAM, 64QAM
Mode	5GNR n261/n260: QPSK, 16QAM, and 64QAM for CP-OFDM

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3. Testing Location

Sporton Lab is accredited to ISO 17025 by Taiwan Accreditation Foundation (TAF code: 1190) and the FCC designation No. TW1190 under the FCC 2.948(e) by Mutual Recognition Agreement (MRA) in FCC test.

Testing Laboratory					
Test Site SPORTON INTERNATIONAL INC.					
Test Site Location	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978				
Test Site No.	Sporton Site No.: SAR04-HY				

4. Applied Standards

- FCC CFR47 Part 20.19
- ANSI C63.19 2011-version
- FCC KDB 285076 D01 HAC Guidance v05
- FCC KDB 285076 D02 T Coil testing v03
- FCC KDB 285076 D03 HAC FAQ v01

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5. Air Interface and Operating Mode when attach Mobile 5G MOD

Air Interface	Band MHz	Туре	C63.19 Simultaneous Tested Transmitter		Name of Voice Service	Power Reduction									
	Band 2			WLAN, BT		No									
	Band 4			WLAN, BT		No									
LTE	Band 5	VD	VD	VD	Voc	Vaa	Voc	Voc	Voc	Yes	Voc	Voc	WLAN, BT	Google Duo ⁽¹⁾	No
LIE	Band 13	٧D	162	WLAN, BT	Google Duo	No									
	Band 66			WLAN, BT		No									
	Band 48			WLAN, BT		No									

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Type Transport:

VO= Voice only

DT= Digital Transport only (no voice)

VD= CMRS and IP Voice Service over Digital Transport

Remark:

 For protocols not listed in Table 7.1 of ANSI C63.19-2011 or the ANSI C63.19-2011 VoLTE interpretation, the average speech level of −20 dBm0 should be used.

5G MOD (FCC ID: IHDT56XL1) itself does not support VoLTE, does not have the earpiece receiver on it to support next-to-ear voice call. 5G Mod is one accessory which IHDT56XS1 supports, and when Mod is attached to the phone, Mod can provide the wireless data connection to the phone, to enable VoIP call application on the phone.

This report is to address the compliance of:

- HAC rating of the air interfaces supported by the IHDT56XS1 is not impacted, when the Mod is attached. Worst case
 identified in the IHDT56XS1 HAC test report (Sporton report: HA8D2726-02B, Rev. 01, Date: 03/25/2019) was
 selected to evaluate the HAC rating with Mod attached.
- 2. HAC rating of IHDT56XS1 is not impacted, when the Mod is attached and VoIP application wireless data is transported vis the air interfaces on Mod.

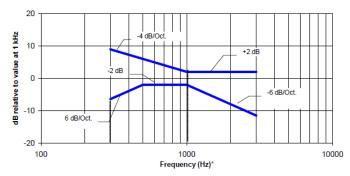
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6. Measurement standards for T-Coil

6.1 Frequency Response

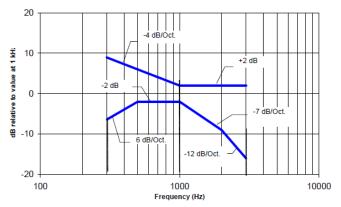
The frequency response of the perpendicular component of the magnetic field, measured in 1/3 octave bands, shall follow the response curve specified in this sub-clause, over the frequency range 300 Hz to 3000 Hz. Figure 1.1 and Figure 1.2 provide the boundaries as a function of frequency. These response curves are for true field-strength measurements of the T-Coil signal. Thus, the 6 dB/octave probe response has been corrected from the raw readings.

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NOTE-The frequency response is between 300 Hz and 3000 Hz.

Fig. 1.1 Magnetic field frequency response for WDs with field strength≤-15dB at 1 KHz



NOTE—The frequency response is between 300 Hz and 3000 Hz.

Fig. 1.2 Magnetic field frequency response for WDs with a field that exceeds -15 dB(A/m) at 1 kHz

6.2 T-Coil Signal Quality Categories

This section provides the signal quality requirement for the intended T-Coil signal from a WD. Only the RF immunity of the hearing aid is measured in T-Coil mode. It is assumed that a hearing aid can have no immunity to an interference signal in the audio band, which is the intended reception band for this mode. A device is assessed beginning by determining the category of the RF environment in the area of the T-Coil source.

The RF measurements made for the T-Coil evaluation are used to assign the category T1 through T4. The limitation is given in Table 1. This establishes the RF environment presented by the WD to a hearing aid.

Category	Telephone parameters WD signal quality ((signal + noise) to noise ratio in dB)
Category T1	0 to 10 dB
Category T2	10 to 20 dB
Category T3	20 to 30 dB
Category T4	> 30 dB

Table 1 T-Coil Signal Quality Categories

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7. T-Coil Test Procedure

Referenced to ANSI C63.19-2011, Section 7.4,

This section describes the procedures used to measure the ABM (T-Coil) performance of the WD. In addition to measuring the absolute signal levels, the A-weighted magnitude of the unintended signal shall also be determined. To assure that the required signal quality is measured, the measurement of the intended signal and the measurement of the unintended signal must be made at the same location for each measurement position. In addition, the RF field strength at each measurement location must be at or below that required for the assigned category.

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Measurements shall not include undesired properties from the WD's RF field; therefore, use of a coaxial connection to a base station simulator or non-radiating load, there might still be RF leakage from the WD, which can interfere with the desired measurement. Pre-measurement checks should be made to avoid this possibility. All measurements shall be performed with the WD operating on battery power with an appropriate normal speech audio signal input level given in ANSI C63.19-2011 Table 7.1. If the device display can be turned off during a phone call, then that may be done during the measurement as well,

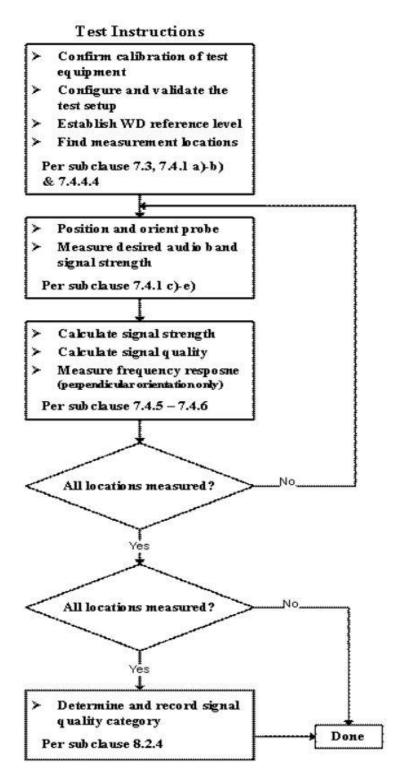
Measurement shall be performed at two locations specified in ANSI C63.19-2011 A.3, with the correct probe orientation for a particular location, in a multistage sequence by first measuring the field intensity of the desired T-Coil signal the same location as the desired ABM or T-Coil signal (ABM1), and the ratio of desired to undesired magnetic components (ABM2) must be measured at the same location as the desired ABM or T-Coil signal (ABM1), and the ratio of desired to undesired ABM signals must be calculated. For the perpendicular field location, only the ABM1 frequency response shall be determined in a third measurement stage.

The following steps summarize the basic test flow for determining ABM1 and ABM2. These steps assume that a sine wave or narrowband 1/3 octave signal can be used for the measurement of ABM1.

- a. A validation of the test setup and instrumentation may be performed using a TMFS or Helmholtz coil Measure the emissions and confirm that they are within the specified tolerance.
- b. Position the WD in the test setup and connect the WD RF connector to a base station simulator or a non-radiating load. Confirm that equipment that requires calibration has been calibrated, and that the noise level meets the requirements given in ANSI C63.19-2011 clause 7.3.1.
- c. The drive level to the WD ise set such that the reference input level specified in ANSI C63.19-2011 Table 7.1 is input to the base station simulator (or manufacturer's test mode equivalent) in 1 kHz, 1/3 octave band. This drive level shall be used for the T-Coil signal test (ABM1) at f = 1 kHz. Either a sine wave at 1025 Hz or a voice-like signal, band-limited to the 1 kHz 1/3 octave, as defined in ANSI C63.19-2011 clause 7.4.2, shall be used for the reference audio signal. If interference is found at 1025 Hz an alternative nearby reference audio signal frequency may be used. The same drive level shall be used for the ABM1 frequency response measurements at each 1/3 octave band center frequency. The WD volume control may be set at any level up to maximum, provided that a signal at any frequency at maximum modulation would not result in clipping or signal overload.
- d. Determine the magnetic measurement locations for the WD device (A.3), if not already specified by the manufacturer, as described in ANSI C63.19-2011 clause 7.4.4.1.1 and 7.4.4.2.
- e. At each measurement location, measure and record the desired T-Coil magnetic signals (ABM1 at fi) as described in ANSI C63.19-2011 clause 7.4.4.2 in each individual ISO 266-1975 R10 standard 1/3 octave band. The desired audio band input frequency (fi) shall be centered in each 1/3 octave band maintaining the same drive level as determined in item c) and the reading taken for that band.
- f. Equivalent methods of determining the frequency response may also be employed, such as fast Fourier transform (FFT) analysis using noise excitation or input-output comparison using simulated speech. The full-band integrated probe output, as specified in D.9, may be used, as long as the appropriate calibration curve is applied to the measured result, so as to yield an accurate measurement of the field magnitude. (The resulting measurement shall be an accurate measurement in dB A/m.)
- g. All Measurements of the desired signal shall be shown to be of the desired signal and not of an undesired signal. This may be shown by turning the desired signal ON and OFF with the probe measuring the same location. If the scanning method is used the scans shall show that all measurement points selected for the ABM1 measurement meet the ambient and test system noise criteria in ANSI C63.19-2011 clause 7.3.1.
- h. At the measurement location for each orientation, measure and record the undesired broadband audio magnetic signal (ABM2) as specified in ANSI C63.19-2011 clause 7.4.4.4 with no audio signal applied (or digital zero applied, if appropriate) using A-weighting and the half-band integrator. Calculate the ratio of the desired to undesired signal strength (i,e., signal quality).
- i. Obtain the data from the postprocessor, SEMCAD, and determine the category that properly classifies the signal quality based on ANSI C63.19-2011 Table 8.5.

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7.1 Test Flow Chart

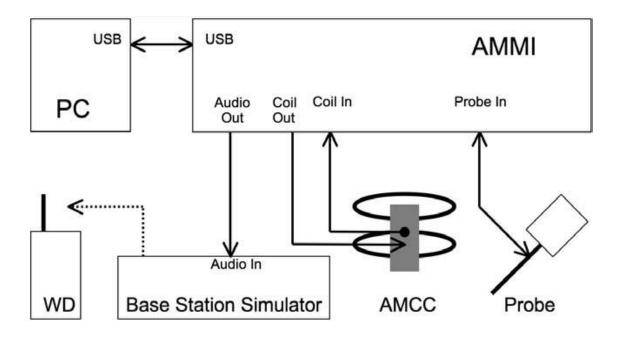


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Fig. 2 T-Coil Signal Test flowchart

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7.2 Test Setup Diagram



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General Note:

- 1. Define the all applicable input audio level as below according to C63 and KDB 285076 D02v03:
 - OTT VoIP input Level: -20dBm0
- 2. The test setup used for Google DUO VoIP call is via the data application unit on CMW500 connection to the Internet, also connection to the other auxiliary VoIP unit which is used to configure the audio codec and bit rate and also monitor the audio input level of -20dBm0.

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 The Required gain factor for the specific signal shall typically be multiplied by this factor to achieve approx. the same level as for the 1kHz sine signal

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2. The below calculation formula is an example and showing how to determine the input level for the device.

The predefined signal types have the following differences / factors compared to the 1kHz sine signal:

Signal [file name]	Duration [s]	Peak-to- RMS [dB]	RMS [dB]	Required gain factor *)	Gain setting
1kHz sine		3.0	0.0	1.00	
48k_1.025kHz_10s.wav	10	3.0	0.0	1.00	
48k_1kHz_3.15kHz_10s.wav	10	6.0	-3.0	1.42	
48k_315Hz_1kHz_10s.wav	10	6.0	-2.9	1.40	
48k csek 8k 441 white 10s.wav	10	13.8	-10.5	3.34	
48k_multisine_50-5000_10s.wav	10	11.1	-7.9	2.49	
48k_voice_1kHz_1s.wav	1	16.2	-12.7	4.33	
48k_voice_300-3000_2s.wav	2	21.6	-18.6	8.48	

(*) The gain for the specific signal shall typically be multiplied by this factor to acheive approx. the same level as for the 1kHz sine signal.

Insert the gain applicable for your setup in the last column of the table.

Calculation formula:

- Audio Level at -16dBm0 = ((-16dBm0) (3.14dBm0)) + X dBv
- Calculated Gain at -16dBm0 = 10((audio level at -16dBm0 Y dBm0) / 20) * 10

Gatting setting at -16dBm0 = required gain factor * calculated gain

Gain Value	20* log(gain)	AMCC Coil In	Level			
(linear)	dB	(dBv RMS)	dBm0			
		-2.47	3.14			
10	20	-19.85	-14.24			
8.17	18.24	-21.61	-16			

Signal Type	Duration (s)	Peak to RMS (dB)	RMS (dB)	Required Gain Factor	Calculated Gain Setting
1kHz sine	-	3	0	1	8.17
48k_voice_1kHz	1	16.2	-12.7	4.33	35.36
48k_voice_300Hz ~ 3kHz	2	21.6	-18.6	8.48	69.25

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7.3 Description of EUT Test Position

Fig.3 illustrate the references and reference plane that shall be used in a typical EUT emissions measurement. The principle of this section is applied to EUT with similar geometry. Please refer to Appendix C for the setup photographs.

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- ♦ The area is 5 cm by 5 cm.
- ♦ The area is centered on the audio frequency output transducer of the EUT.
- ◆ The area is in a reference plane, which is defined as the planar area that contains the highest point in the area of the phone that normally rests against the user's ear. It is parallel to the centerline of the receiver area of the phone and is defined by the points of the receiver-end of the EUT handset, which, in normal handset use, rest against the ear.
- ◆ The measurement plane is parallel to, and 10 mm in front of, the reference plane.

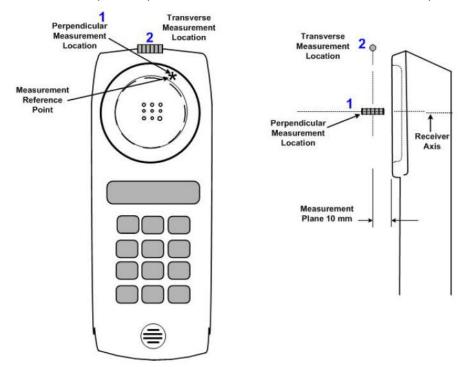


Fig.3 A typical EUT reference and plane for T-Coil measurements

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8. Test Equipment List

Manufacturer	Name of Equipment	Turno/Mardal	Serial Number	Calibration	
Manufacturer	Name of Equipment	Type/Model	Serial Number	Last Cal.	Due Date
SPEAG	Audio Magnetic 1D Field Probe	AM1DV3	3130	Nov. 20, 2018	Nov. 19, 2019
SPEAG	Data Acquisition Electronics	DAE4	778	May. 25, 2018	May. 24, 2019
SPEAG	Data Acquisition Electronics	DAE4	918	Jun. 20, 2018	Jun. 19, 2019
SPEAG	Audio Magnetic Calibration Coil	AMCC	1049	NCR	NCR
SPEAG	Audio Measuring Instrument	AMMI	1041	NCR	NCR
SPEAG	Test Arch Phantom	N/A	N/A	NCR	NCR
SPEAG	Phone Positioner	N/A	N/A	NCR	NCR
RCPTWN	Thermometer	HTC-1	TM685-1	Nov. 12, 2018	Nov. 11, 2019
R&S	Base Station	CMW500	115793	May. 24, 2018	May. 23, 2019

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Note:

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^{1.} NCR: "No-Calibration Required"

9. Wireless transmission via mobile 5G MOD for OTT VoIP Calling

General Notes:

1. When the mobile 5G MOD (FCC ID: IHDT56XL1) is attached to the phone (FCC ID: IHDT56XS1), the phone can utilize the mobile 5G MOD wireless connect to the internet to do VoIP call, therefore, additional HAC testing was performed to show compliance

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- 2. The middle channel of each frequency band is used for T-Coil testing according ANSI C63.19 2011.
- 3. The Google Duo VoIP application are pre-installed on the mobile cell phone. According to KDB 285076 D02, all air interfaces via a data connection with VoIP application on mobile 5G MOD need to be considered HAC testing.
- 4. The Google Duo only support OPUS audio codec and support 6Kbps to 75Kbps bitrate.
- 5. The test setup used for OTT VoIP call is the DUT connect to the CMW500 and via the data application unit on CMW500 connection to the Internet, the Auxiliary EUT is connected to the WiFi access point, the channel/Modulation/Frequency bands/data rate is configured on the CMW500 for the DUT unit. For the Auxiliary VoIP unit which is used to configure the audio codec rate and determine the audio input level of -20dBm0 based on the KDB 285076 D02v03 requirement.
- 6. According to LTE radio configuration investigation and codec investigation from original T-Coil report, FCC ID: IHDT56XS1, Sporton Report no.: HA8D2726-02B (Rev: 01, Date: 03/25/2019), the worst case radio configuration and codec configuration is used for mobile 5G MOD OTT over LTE testing.
 - worst radio configuration: maximum bandwidth / QPSK / 1RB size
 - worst codec configuration: OPUS Codec, Bitrate75Kbps

<Air Interface Investigation>

PI No	ot o.	Air Interface	BW (MHz)	Modulation	RB Size	RB offset	Channel	Prope	ABM1 dB (A/m)	dB	Signal Quality dB	-	Ambient Noise dB (A/m)	Response	Frequency Response
0	1	LTE Band 2	20	QPSK	1	0	18900	Axial (Z)	-3.70	-45.14	41.44	T4	-50.34	2	Pass
	ı							Transversal (Y)	-11.53	-48.98	37.45	T4	-50.24		

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10. T-Coil Spot check for Mobile Cell Phone

General:

This result is to verify the IHDT56XS1 HAC performance is not degraded when 5G Mod is attached on. The
worst case from the IHDT56XS1 HAC report (Sporton HA8D2726-02B, Rev: 01, Date: 03/25/2019) was
selected to test, and HAC rating is not changed.

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Plo No		Mode	Channel	Prone	ABM1 dB (A/m)	ABM2 dB (A/m)	Signal Quality dB	T Rating	Ambient Noise dB (A/m)	Freq. Response Variation dB	Frequency Response
02	WLAN2.4GHz	802.11b 1Mbps	6	Axial (Z)	-6.90	-45.84	38.94	T4	-50.31	2	Pass
				Transversal (Y)	-14.32	-47.68	33.36	T4	-50.22		

Remark:

1. Phone Condition: Mute on; Backlight off; Max Volume

2. The detail frequency response results please refer to appendix A.

3. Test Engineer: Bevis Chang.

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11. Uncertainty Assessment

The evaluation of uncertainty by the statistical analysis of a series of observations is termed a Type A evaluation of uncertainty. The evaluation of uncertainty by means other than the statistical analysis of a series of observation is termed a Type B evaluation of uncertainty. Each component of uncertainty, however evaluated, is represented by an estimated standard deviation, termed standard uncertainty, which is determined by the positive square root of the estimated variance. The combined standard uncertainty of the measurement result represents the estimated standard deviation of the result. It is obtained by combining the individual standard uncertainties of both Type A and Type B evaluation using the usual "root-sum-squares" (RSS) methods of combining standard deviations by taking the positive square root of the estimated variances. Expanded uncertainty is a measure of uncertainty that defines an interval about the measurement result within which the measured value is confidently believed to lie. It is obtained by multiplying the combined standard uncertainty by a coverage factor. For purpose of this document, a coverage factor two is used, which corresponds to confidence interval of about 95 %. The DASY uncertainty Budget is showed in Table 8.2. The judgment of conformity in the report is based on the measurement results excluding the measurement uncertainty.

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Error Description	Uncertainty Value (±%)	Probability Distribution	Divisor	Ci (ABM1)	Ci (ABM2)	Standard Uncertainty (ABM1)	Standard Uncertainty (ABM2)			
		Probe Sen	sitivity							
Reference Level	3.0	Normal	1	1	1	± 3.0 %	± 3.0 %			
AMCC Geometry	0.4	0.4 Rectangular		1	1	± 0.2 %	± 0.2 %			
AMCC Current	1.0	Rectangular	√3	1	1	± 0.6 %	± 0.6 %			
Probe Positioning During Calibrate	0.1	Rectangular	√3	1	1	± 0.1 %	± 0.1 %			
Noise Contribution	0.7	Rectangular	√3	0.0143	1	± 0.0 %	± 0.4 %			
Frequency Slope	5.9	Rectangular	√3	0.1 1		± 0.3 %	± 3.5 %			
Probe System										
Repeatability / Drift	1.0	Rectangular	√3	1	1	± 0.6 %	± 0.6 %			
Linearity / Dynamic Range	0.6	Rectangular	√3	1	1	± 0.4 %	± 0.4 %			
Acoustic Noise	1.0	Rectangular	√3	0.1	1	± 0.1 %	± 0.6 %			
Probe Angle	2.3	Rectangular	√3	1	1	± 1.4 %	± 1.4 %			
Spectral Processing	0.9	Rectangular	√3	1	1	± 0.5 %	± 0.5 %			
Integration Time	0.6	Normal	1	1	5	± 0.6 %	± 3.0 %			
Field Disturbation	0.2	Rectangular	√3	1	1	± 0.1 %	± 0.1 %			
		Test Siç	gnal							
Reference Signal Spectral Response	0.6	Rectangular	√3	0	1	± 0.0 %	± 0.4 %			
		Position	ning							
Probe Positioning	1.9	1.9 Rectangular		1	1	± 1.1 %	± 1.1 %			
Phantom Thickness	0.9	Rectangular	√3	1	1	± 0.5 %	± 0.5 %			
EUT Positioning	1.9	Rectangular	√3	1	1	± 1.1 %	± 1.1 %			
External Contributions										
RF Interference	0.0	Rectangular	√3	1	0.3	± 0.0 %	± 0.0 %			
Test Signal Variation	2.0	Rectangular	√3	1	1	± 1.2 %	± 1.2 %			
		± 4.1 %	± 6.1 %							
		K = 2								
	± 8.1 %	± 12.3 %								

Table 8.2 Uncertainty Budget of audio band magnetic measurement

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12. References

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