Request for Additional Information for EMC Certification

Company:	Hisense Communication Co. Ltd.	**Composite Device:**	**Yes:** ☒	**No:** ☐
MT#:	29537	**FCC Direct Filing:**	**Yes:** ☐	**No:** ☒
		Permit But Ask:	**Yes:** ☐	**No:** ☒
FCC ID:	SARHISENSEEG59	**FCC Rule Part:**	22H/15C/15B	
UPN:	N/A	**RSS Standard:**	N/A	
FRN:	0011142353	**Class II PC/Reassessment:**	**Yes:** ☐	**No:** ☒

Dear Jim,

Thank you for your application. In order for us to process your approval, the following must be addressed. Please provide a response in a timely manner to avoid delays or dismissals.

Technical Review:

1. As a precursor to the review can you find out from the client how makes the SAR system? Specifically who makes the software?

ANTENNESSA made the SAR system and software, and ANTENNESSA has been incorporated by SATIMO

2. Per FCC 2.1033 (c)(8) the DC voltages applied to and dc currents into the several elements of the final radio frequency amplifying device for normal operation over the power range is required. Please provide this information.

Vref: 2.75 - 2.95Vdc, Iref: 1 - 10mA.

3. Please clarify the spacing between the phone and face of flat phantom.

Separation distance is 1.5 cm.

4. Please confirm that belt clips or any kind of other accessories are not sold with the phone.

Belt chips or any kind of other accessories are NOT sold with phone, except that headset.

5. The after power appears to be higher than the before power as listed in the SAR report. Please explain why this is so.

I think it should be measurement error. Additionally, not all after powers are higher than before powers, for Right head/Title 15/Mid channel, Body/mid channel(back face to phantom with headset) and Body/high channel(back face to phantom), the after power is less than the before power.

6. Please explain how the conversion factors were derived from the E-field probe calibration certificate. I cannot tell where the numbers you listed on the *conversion factor.pdf* came from. Also, please describe how the SAR value is calculated based on the data from the E-field calibration certificate and the measured data. This needs to be detailed in the SAR report.

So far, the SAR test system (including the software) can not export the information of the probe. And the conversion factors of the probe are calculated in accordance with the attachment and calibration certificate.

7. What is the frequency of calibration of the dipoles used to versify the SAR system?

For the E-field probe, the frequency of calibration is 1 year. For the dipole, it is 2 years.

8. More detail is required for the calibration factors. You mention CFn = SAR(N)/Vin. How is Vin for each dipole within the probe calculated. A voltmeter is mentioned but how does it measure the voltage separately of all three dipoles?

$^{V}/_{(N)}$ can be read from Voltmeter, and there is a switch inside the Voltmeter, so it is possible to measure all three dipoles separately with the switch during calibration and measurement. BTW, the testing laboratory SIMT have the accreditation certificate for calibration which accredited by ANTENNESSA. Please find enclosed for more detail information.

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If you have any questions or concerns, please contact us.

Thank you!

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Admin Review By: Jenn Warnell
Technical Review By: Dusmantha Tennakoon

Please note that partial responses increase processing time and should not be submitted. The items indicated above must be provided before processing can continue on the above referenced application. Failure to provide the requested information in a timely manner may result in application dismissal.