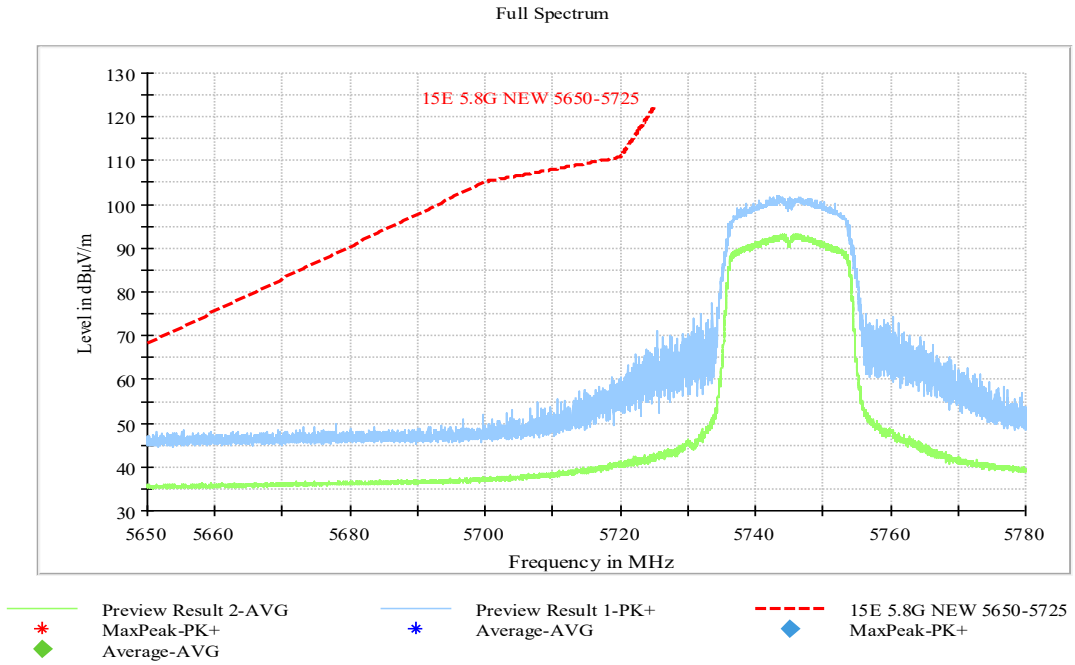


Fig. 16 Band Edges (802.11ac-HT20, 5745MHz)

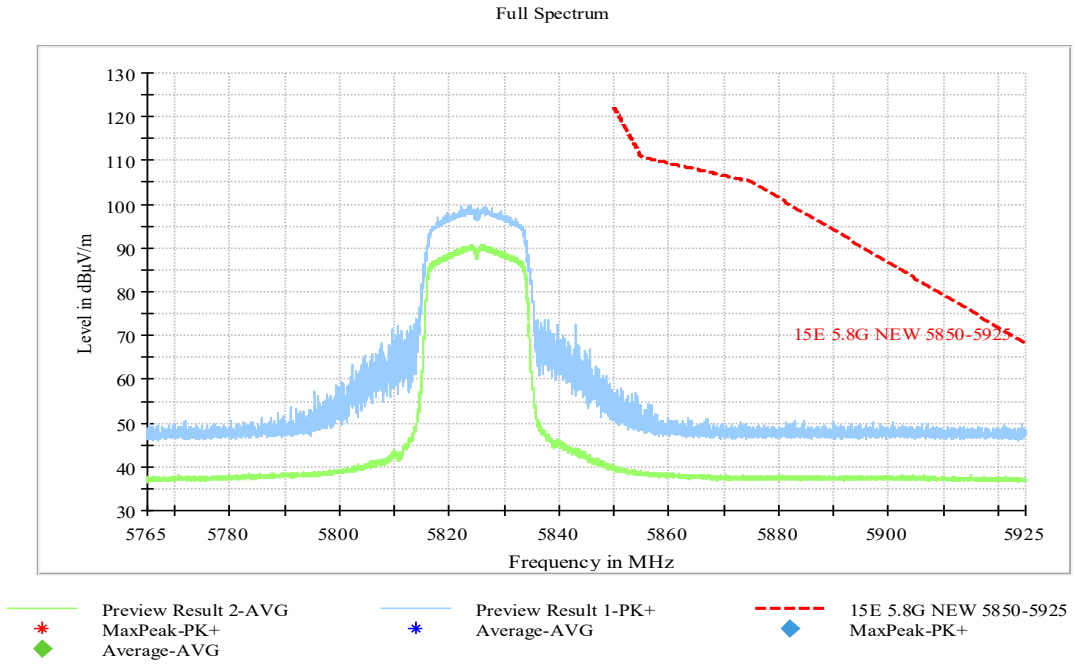


Fig. 17 Band Edges (802.11ac-HT20, 5825MHz)

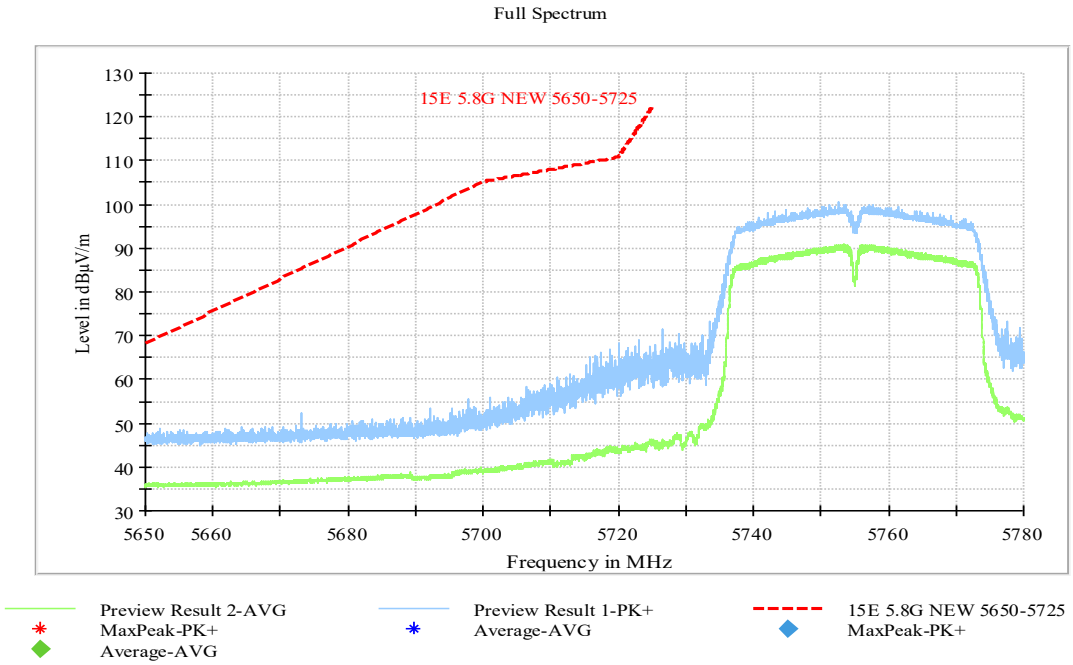


Fig. 18 Band Edges (802.11ac-HT40, 5755MHz)

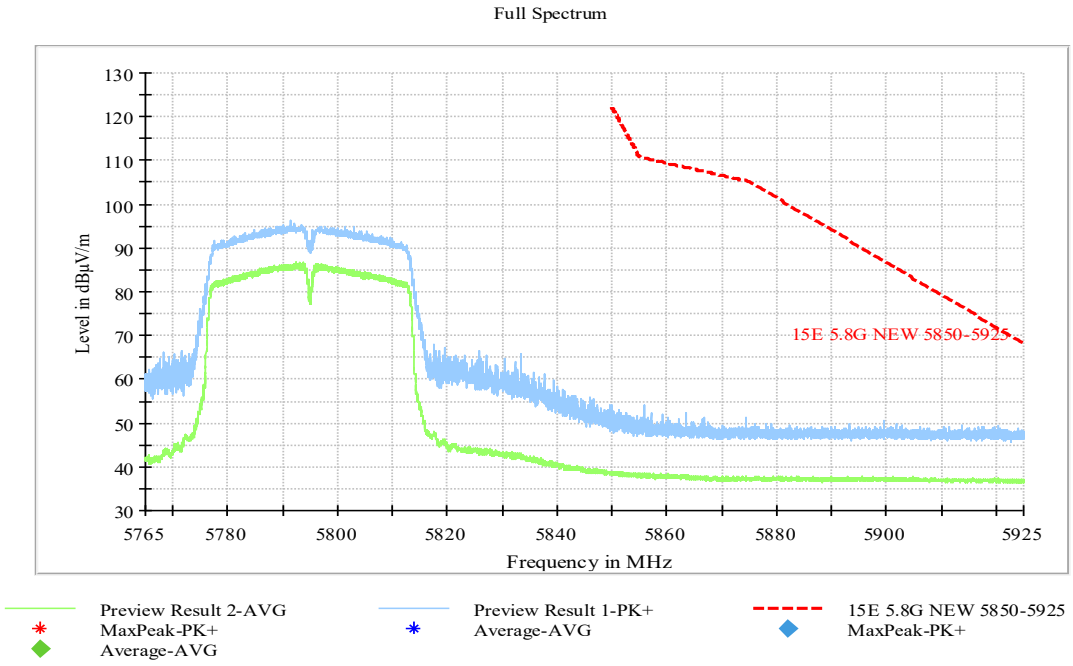


Fig. 19 Band Edges (802.11ac-HT40, 5795MHz)

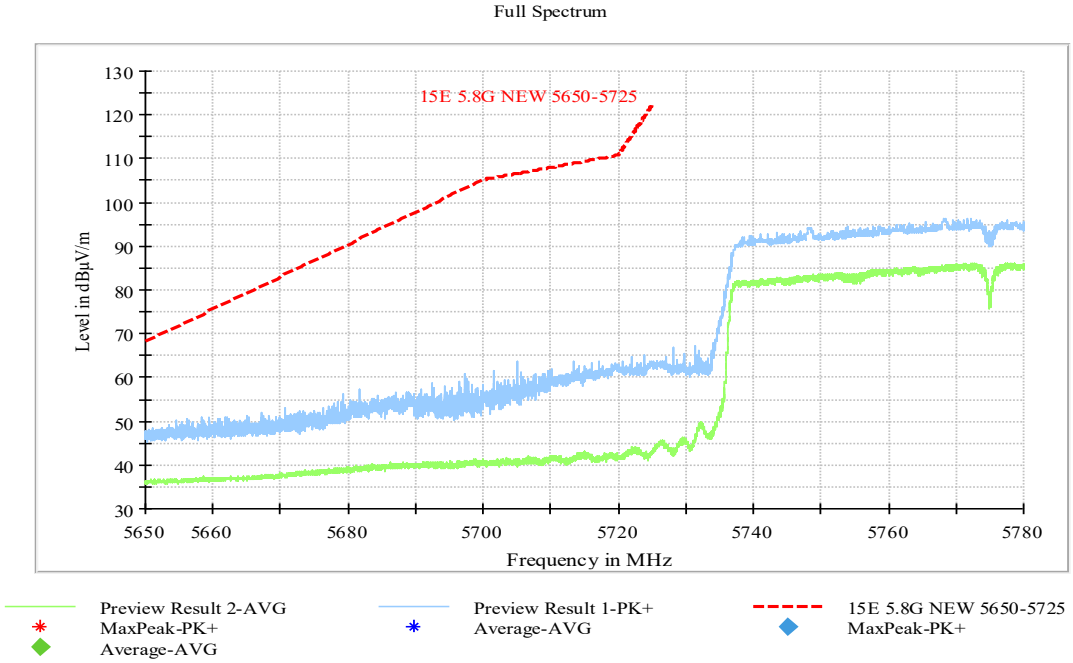


Fig. 20 Band Edges (802.11ac-HT80, 5775MHz)

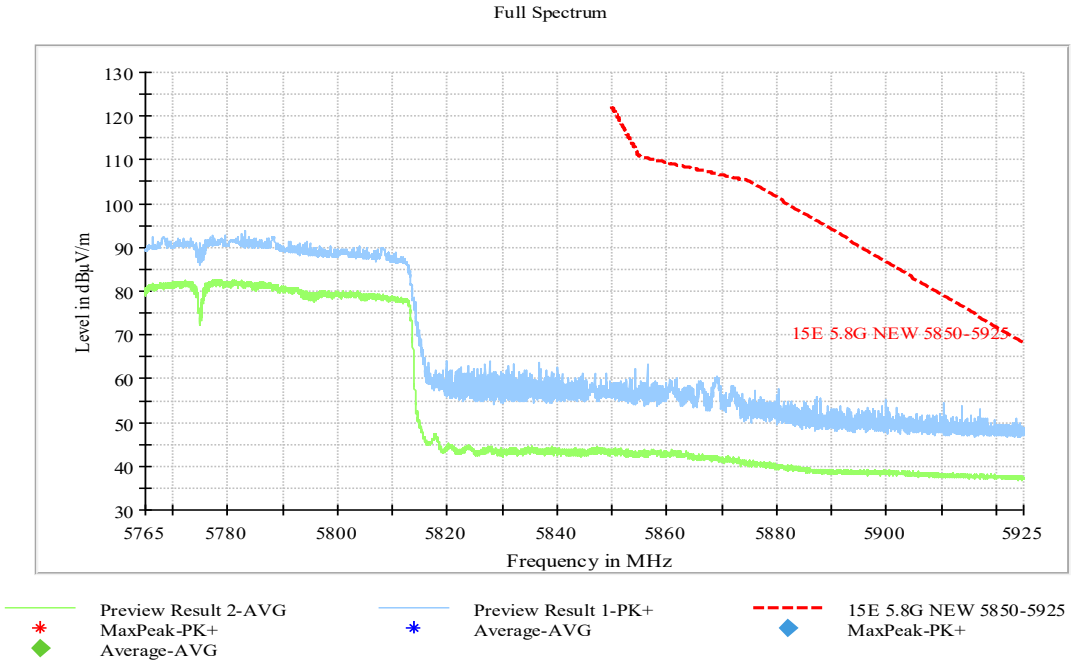


Fig. 21 Band Edges (802.11ac-HT80, 5775MHz)

B.7. AC Powerline Conducted Emission

Test Condition:

Voltage（V）	Frequency（Hz）
120	60

Measurement uncertainty:

Expanded measurement uncertainty for this test item is U =3.08dB, k=2.

Measurement Result and limit:

WLAN (Quasi-peak Limit)

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	66 to 56	Fig.22	Fig.23	P
0.5 to 5	56			
5 to 30	60			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

WLAN (Average Limit)

Frequency range (MHz)	Average Limit (dBμV)	Result (dBμV)		Conclusion
		With charger		
		802.11a	Idle	
0.15 to 0.5	56 to 46	Fig.22	Fig.23	P
0.5 to 5	46			
5 to 30	50			
NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.				

The measurement is made according to ANSI C63.10 .

Conclusion: PASS

Test graphs as below:

Traffic:

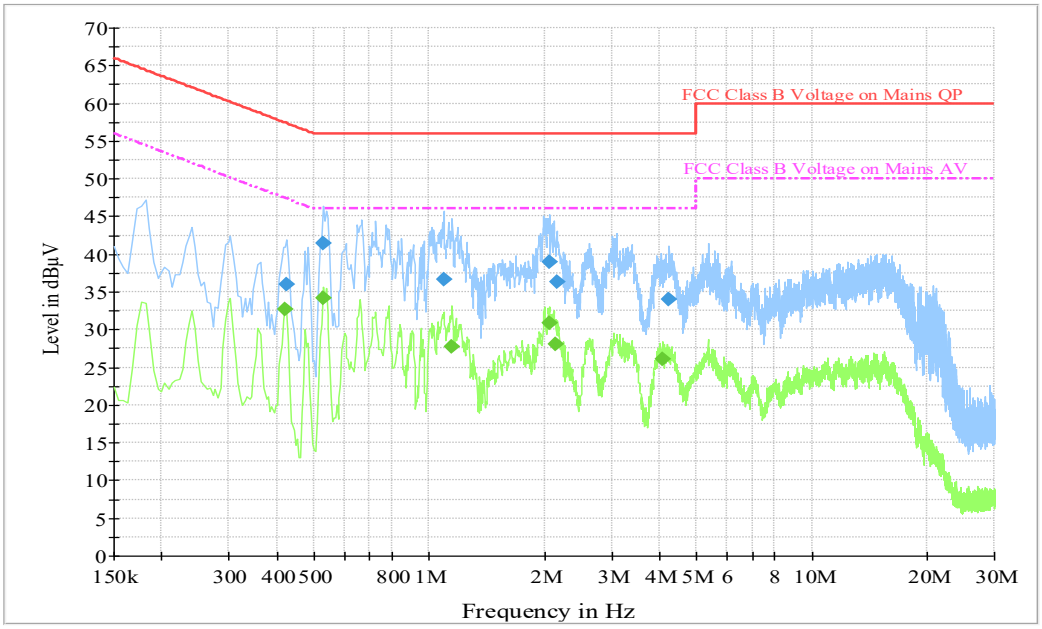


Fig. 22 AC Power line Conducted Emission-802.11a

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.424500	35.9	1000.0	9.000	L1	19.6	21.4	57.4
0.528000	41.5	1000.0	9.000	L1	19.6	14.5	56.0
1.090500	36.6	1000.0	9.000	L1	19.6	19.4	56.0
2.062500	39.0	1000.0	9.000	L1	19.5	17.0	56.0
2.152500	36.3	1000.0	9.000	L1	19.6	19.7	56.0
4.245000	34.0	1000.0	9.000	L1	19.8	22.0	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.420000	32.6	1000.0	9.000	L1	19.6	14.8	47.4
0.528000	34.2	1000.0	9.000	L1	19.6	11.8	46.0
1.149000	27.7	1000.0	9.000	L1	19.6	18.3	46.0
2.062500	30.8	1000.0	9.000	L1	19.5	15.2	46.0
2.139000	28.1	1000.0	9.000	L1	19.5	17.9	46.0
4.069500	26.1	1000.0	9.000	L1	19.7	19.9	46.0

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

Idle:

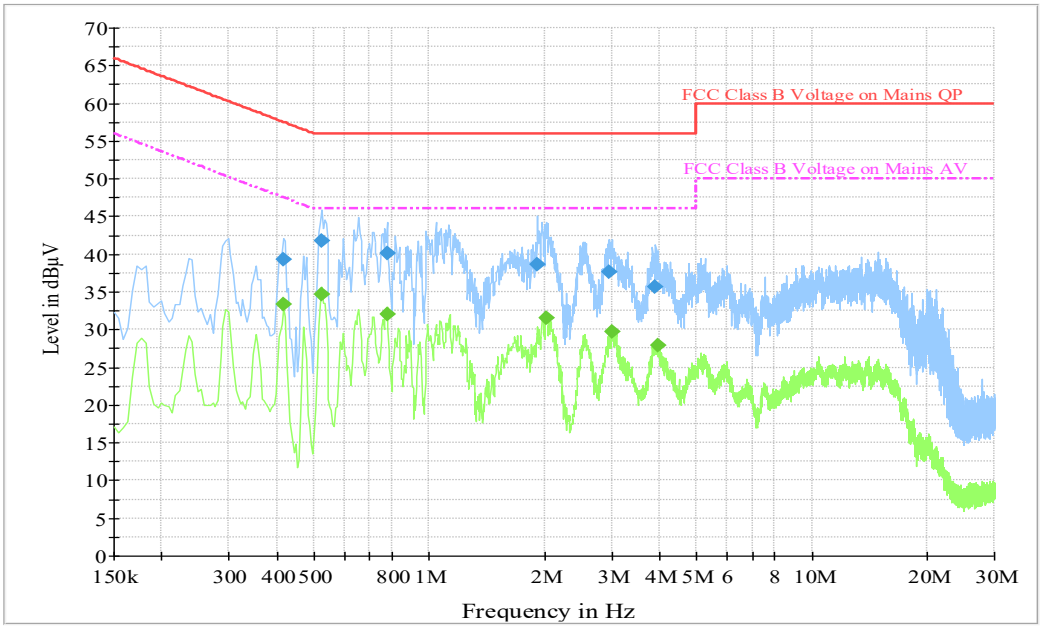


Fig. 23 AC Power line Conducted Emission-Idle

Note1: The graphic result above is the maximum of the measurements for both phase line and neutral line.

Final Result 1

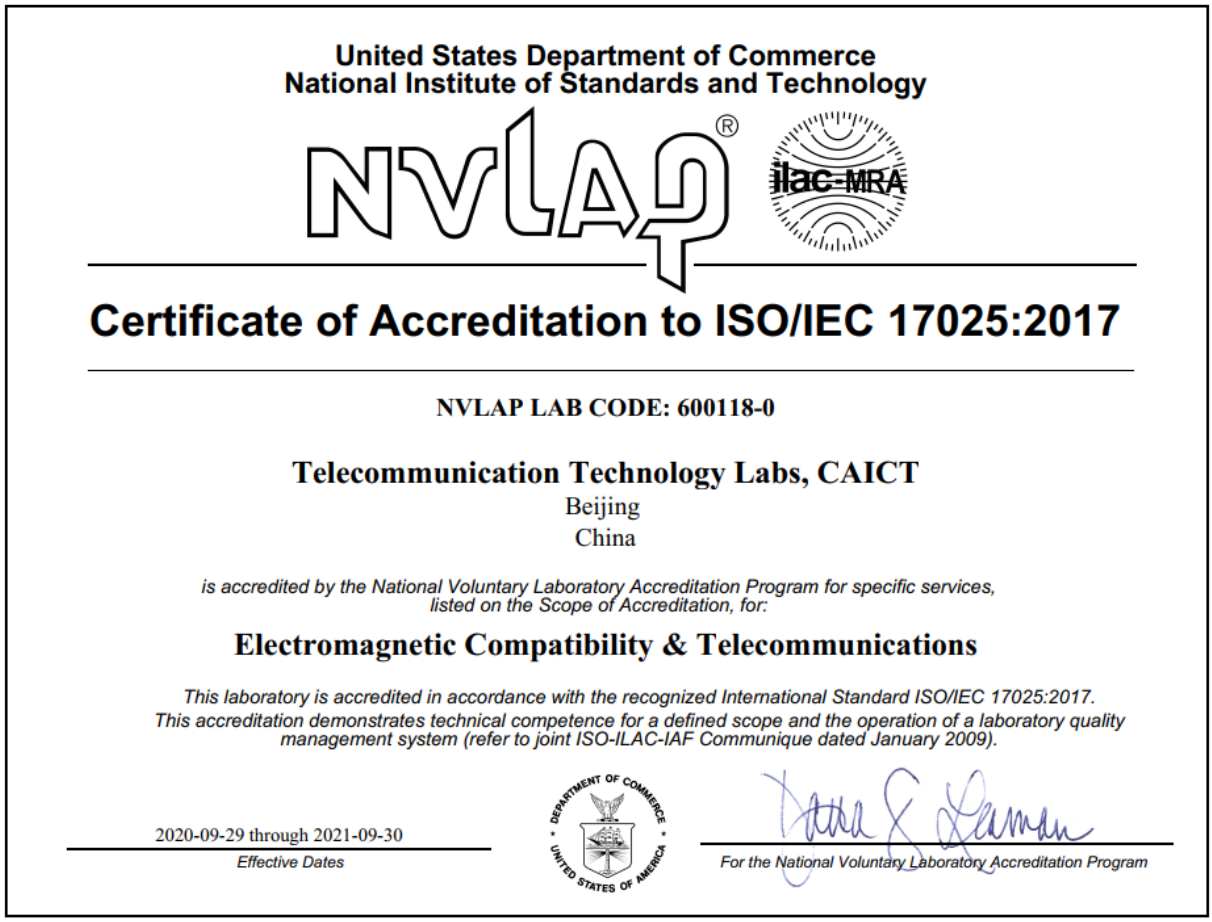
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.415500	39.3	1000.0	9.000	L1	19.6	18.2	57.5
0.523500	41.8	1000.0	9.000	L1	19.6	14.2	56.0
0.775500	40.2	1000.0	9.000	L1	19.6	15.8	56.0
1.918500	38.6	1000.0	9.000	L1	19.5	17.4	56.0
2.944500	37.6	1000.0	9.000	L1	19.6	18.4	56.0
3.907500	35.6	1000.0	9.000	L1	19.7	20.4	56.0

Final Result 2

Frequency (MHz)	Average (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)
0.415500	33.3	1000.0	9.000	L1	19.6	14.3	47.5
0.523500	34.7	1000.0	9.000	L1	19.6	11.3	46.0
0.775500	32.0	1000.0	9.000	L1	19.6	14.0	46.0
2.026500	31.6	1000.0	9.000	L1	19.5	14.4	46.0
3.007500	29.7	1000.0	9.000	L1	19.6	16.3	46.0
3.961500	27.9	1000.0	9.000	L1	19.7	18.1	46.0

Note2: The measurement results showed here are worst cases of the combinations of different cables and chargers

ANNEX C: Accreditation Certificate



United States Department of Commerce
National Institute of Standards and Technology

NVLAP®

ilac-MRA

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).

2020-09-29 through 2021-09-30
Effective Dates

DEPARTMENT OF COMMERCE * UNITED STATES OF AMERICA *

For the National Voluntary Laboratory Accreditation Program

***** END OF REPORT BODY *****