



**A5133 (A5133-CEFCC-05-1) FCC (15.247) Pre-Test Report**

**Document Title**

**A5133 (A5133-CEFCC-05-1) FCC (15.247) Pre-Test Report**

**Revision History**

<u>Rev.</u>	<u>History</u>	<u>Issue Date</u>	<u>Remark</u>
0.0	Initial issue	Sep.16 2020	

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### 1. SUMMARY OF STANDARDS AND RESULTS

Standard: FCC15.247 (5800MHz Band)

Item	Description	Frequency (MHz)	Limit	Test Data	Result	Remark
1	Max. Peak conducted Output Power	Low Channel	1 W, Peak	14.3 dBm	Pass	
		High Channel	1 W, Peak	14.69 dBm	Pass	
2	TX Radiated Emission Test	33~88	40dBuV/m, QP	Page 4~9	Pass	
		88~216	43.5dBuV/m, QP	Page 4~9	Pass	
		216~960	46dBuV/m, QP	Page 4~9	Pass	
		960~1000	54dBuV/m, QP	Page 4~9	Pass	
		1000~25000	<74dBuV/m, Peak	Page 4~9	Pass	71dBuV/m (MAX.)
		1000~25000	<54dBuV/m, Averag	Page 4~9	Pass	@duty cycle < 10% Annotation 1
3	TX Band edge Test	Low band edge	<74dBuV/m, Peak	Page 10~11	Pass	71.016dBuV/m (MAX.)
		Low band edge	<54dBuV/m, Averag	Page 10~11	Pass	@duty cycle < 9.98% Annotation 2
		High band edge	<74dBuV/m, Peak	Page 10~11	Pass	
		High band edge	<54dBuV/m, Averag	Page 10~11	Pass	

Annotation:

1. The limit is 74 dBuV/m (peak) and 54 dBuV/m (average) in restriction bands. Please refer to FCC15.247 for detail.
2. If customers want to use higher duty, they should set the channels a little far away the ISM band edge to pass the FCC limit.

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### 2. GENERAL INFORMATION

Item	Description	Remark
1	DUT Name	A5133-CEFCC-05-1
2	DUT Operation Frequency	5725~5850MHz
3	DUT Operation Condition	See Below Table
4	Modulation Technology	FSK
5	Firmware Version	20200915_with Trim_CEFCCCTX687-CH145
6	Manufacturer	AMICCOM (笙科電子)
7	Test Site	BUREAU (香港商立德國際商品試驗有限公司)
8	Chamber	966 Chamber

DUT Operation Condition		
Test Item	Frequency (MHz)	Test Mode
1	30~1000	TX Burst Mode @ 5730 MHz, Data Rate = 4Mbps, Fdev = 1MHz
2	30~1000	TX Burst Mode @ 5845 MHz, Data Rate = 4Mbps, Fdev = 1MHz
3	1000~25000	TX Burst Mode @ 5730 MHz, Data Rate = 4Mbps, Fdev = 1MHz
4	1000~25000	TX Burst Mode @ 5845 MHz, Data Rate = 4Mbps, Fdev = 1MHz

Annotation:

When test Bandedge, DUT is set at 5730 MHz and 5845 MHz.





















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### 4. BAND EDGE COMPLIANCE TEST

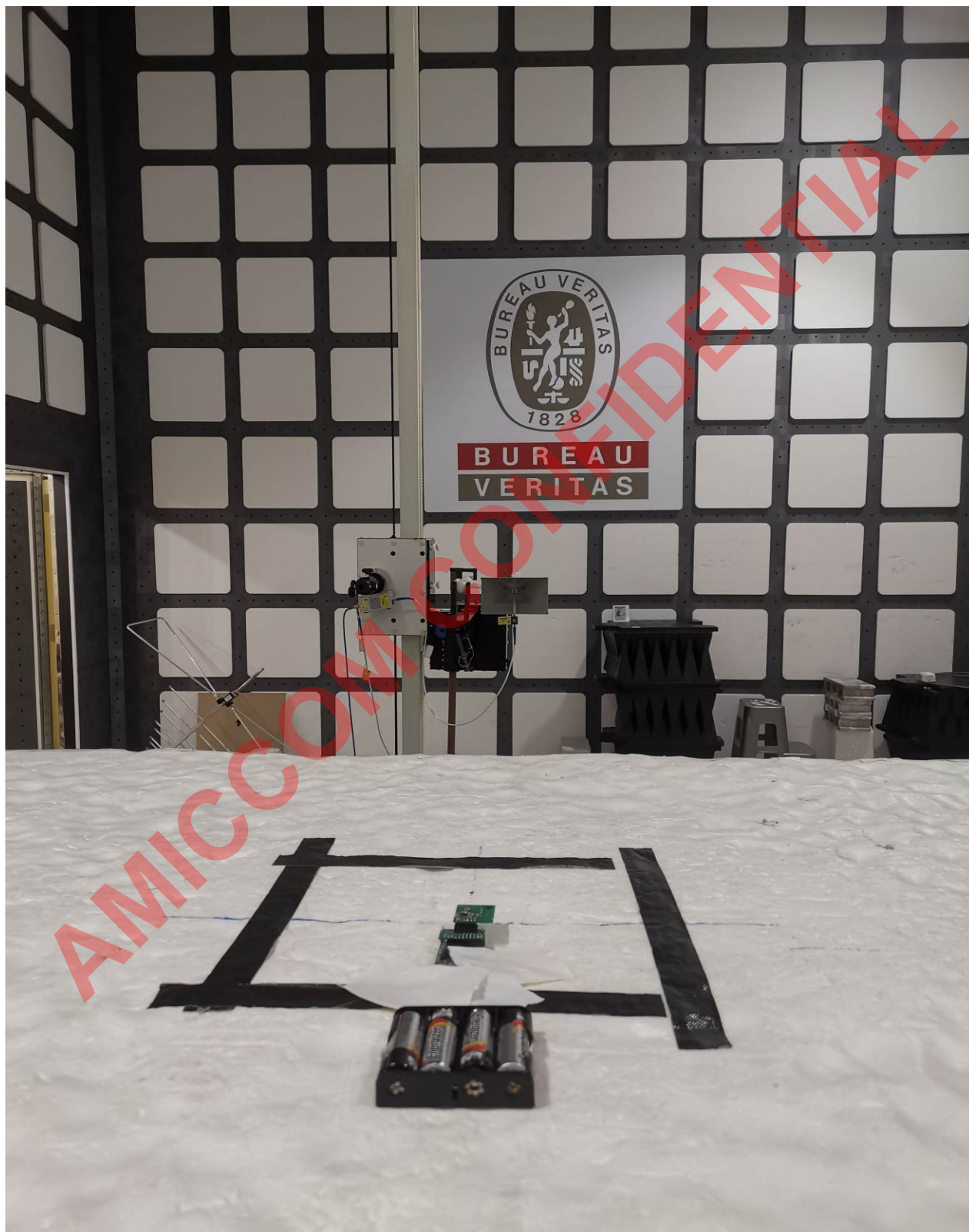
#### 4.1 Low Band Edge (5725MHz) (Horizontal Peak)





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### 5. Photograph of Test Site



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### 6. Photograph of DUT

