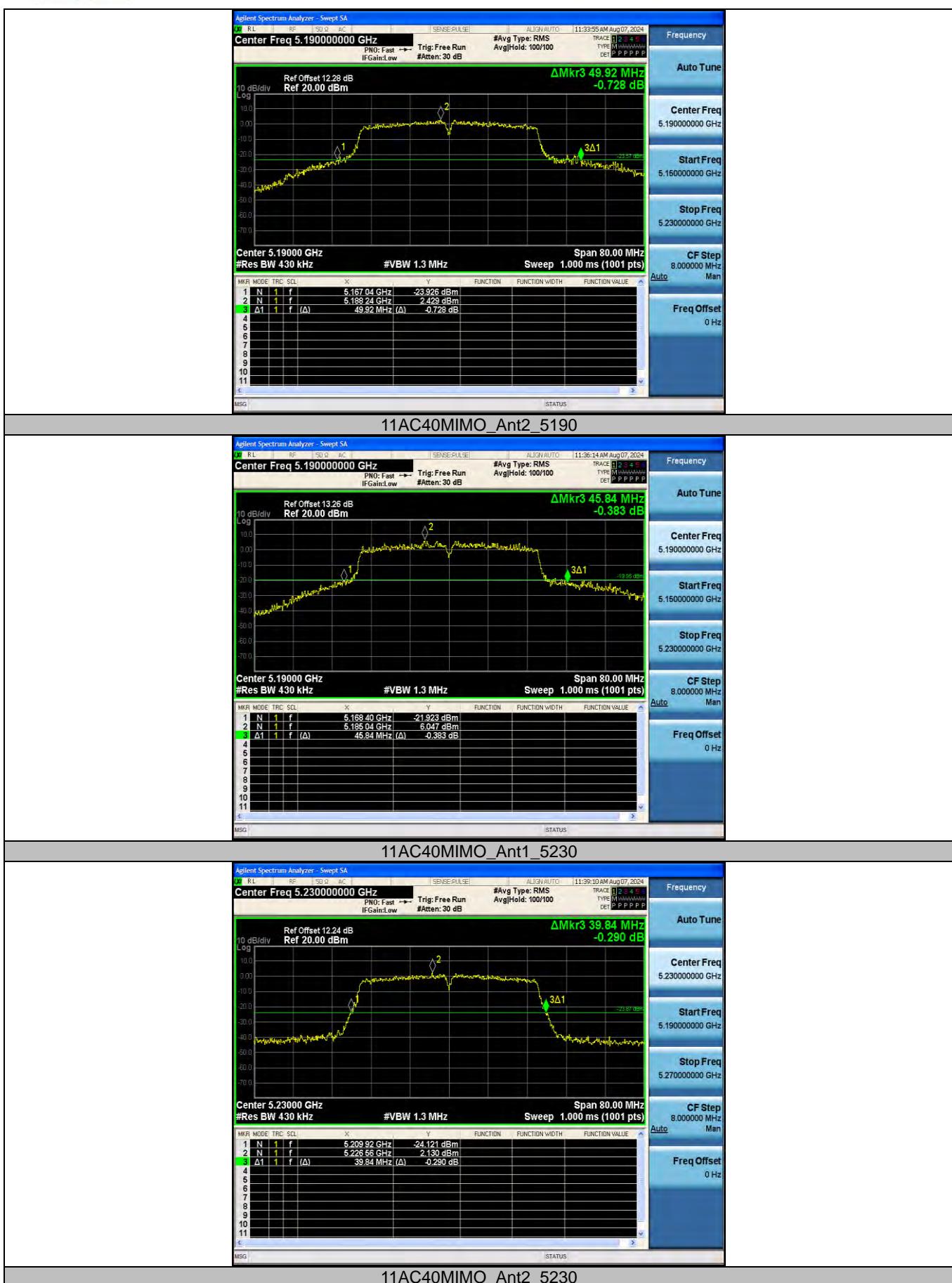


CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)



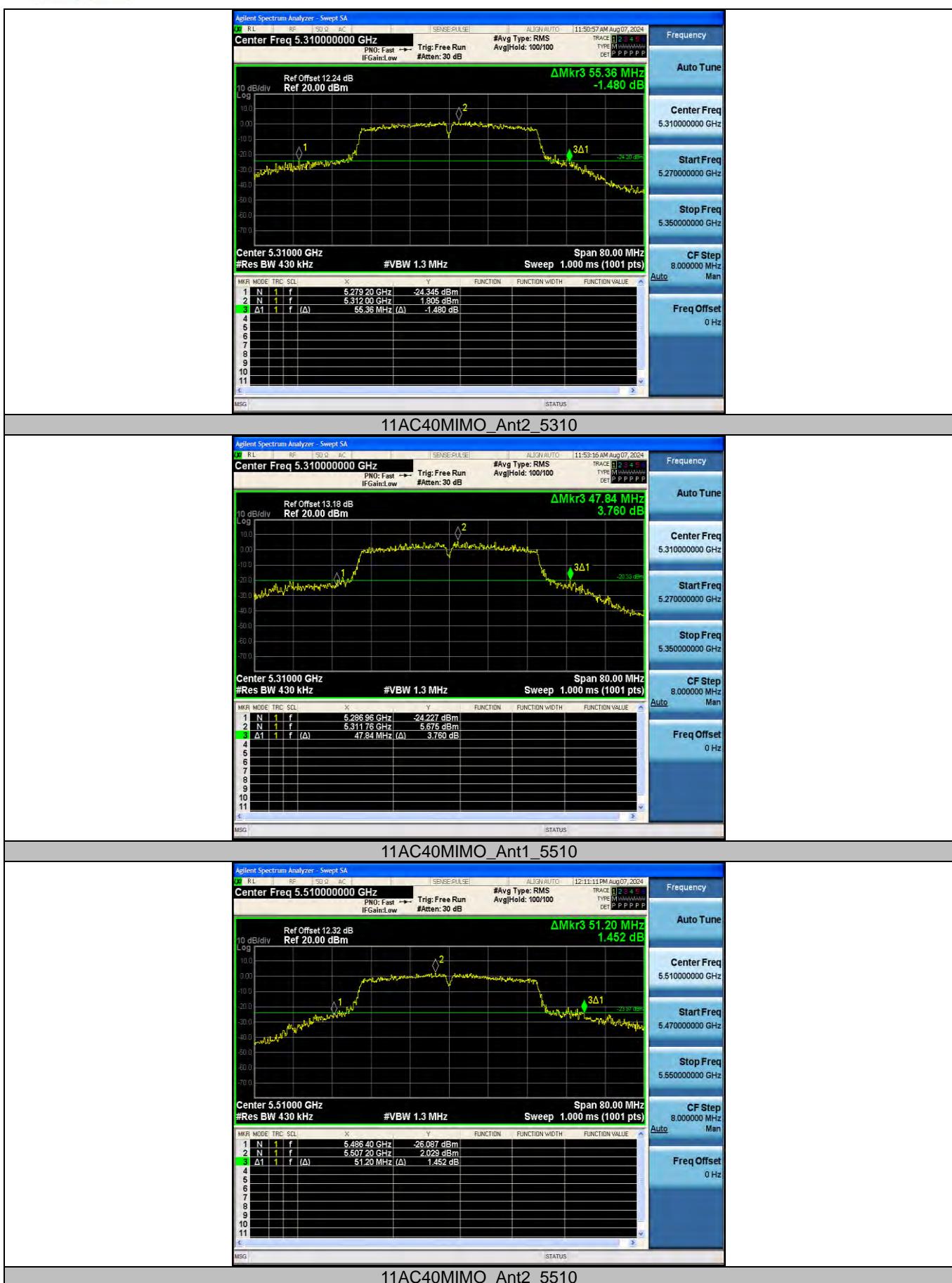


CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)



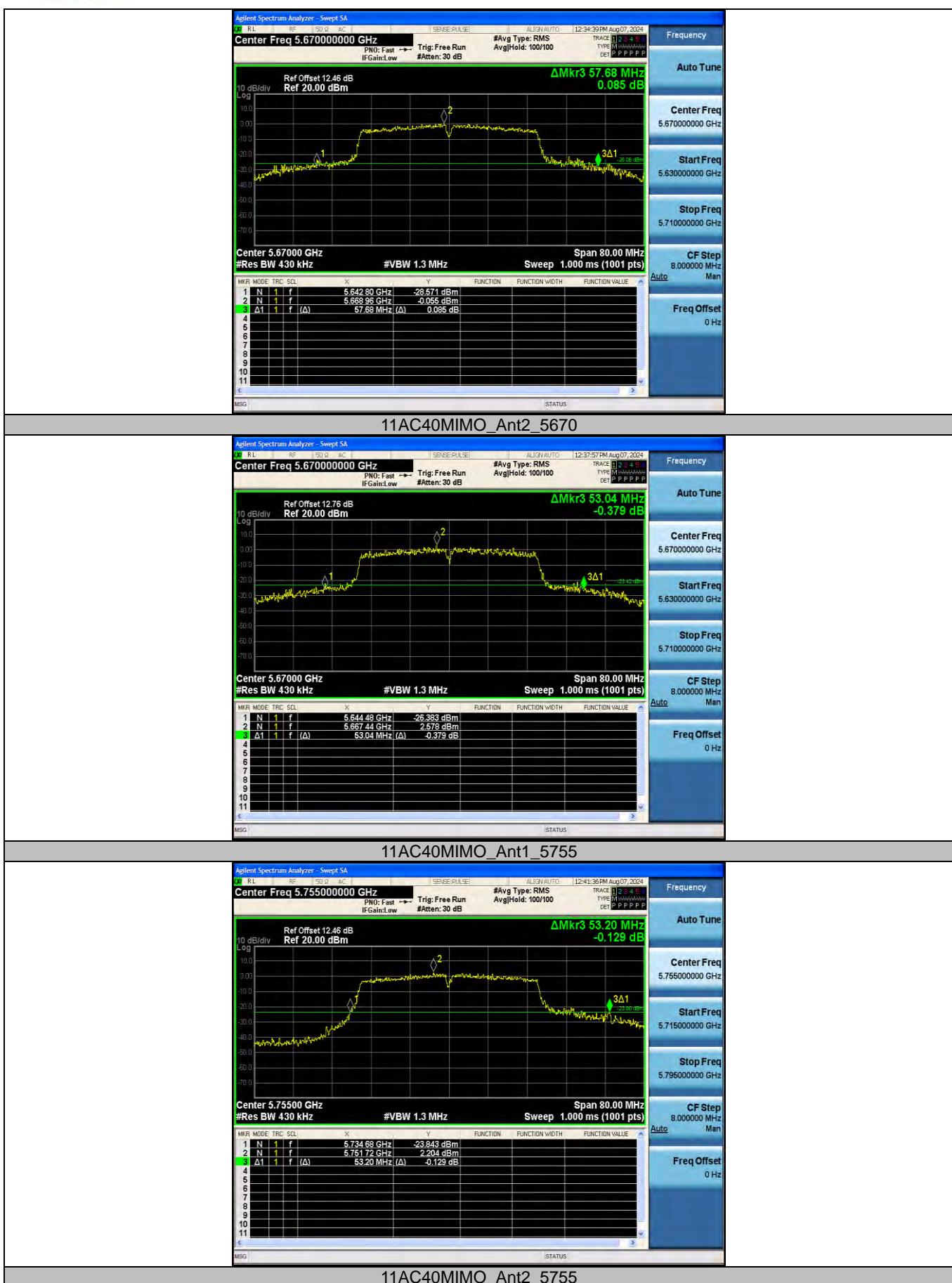
CTC Laboratories, Inc.

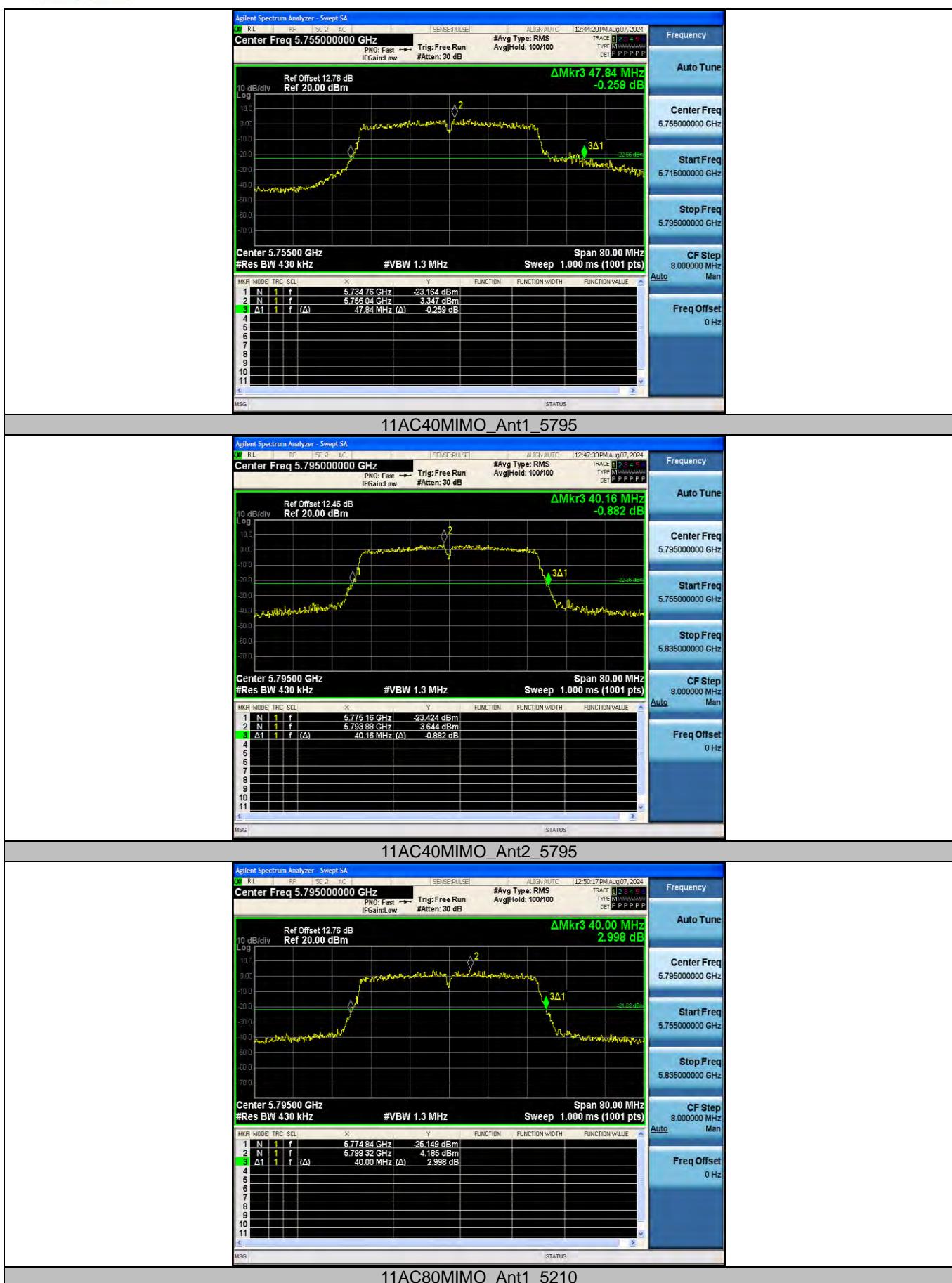
Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2

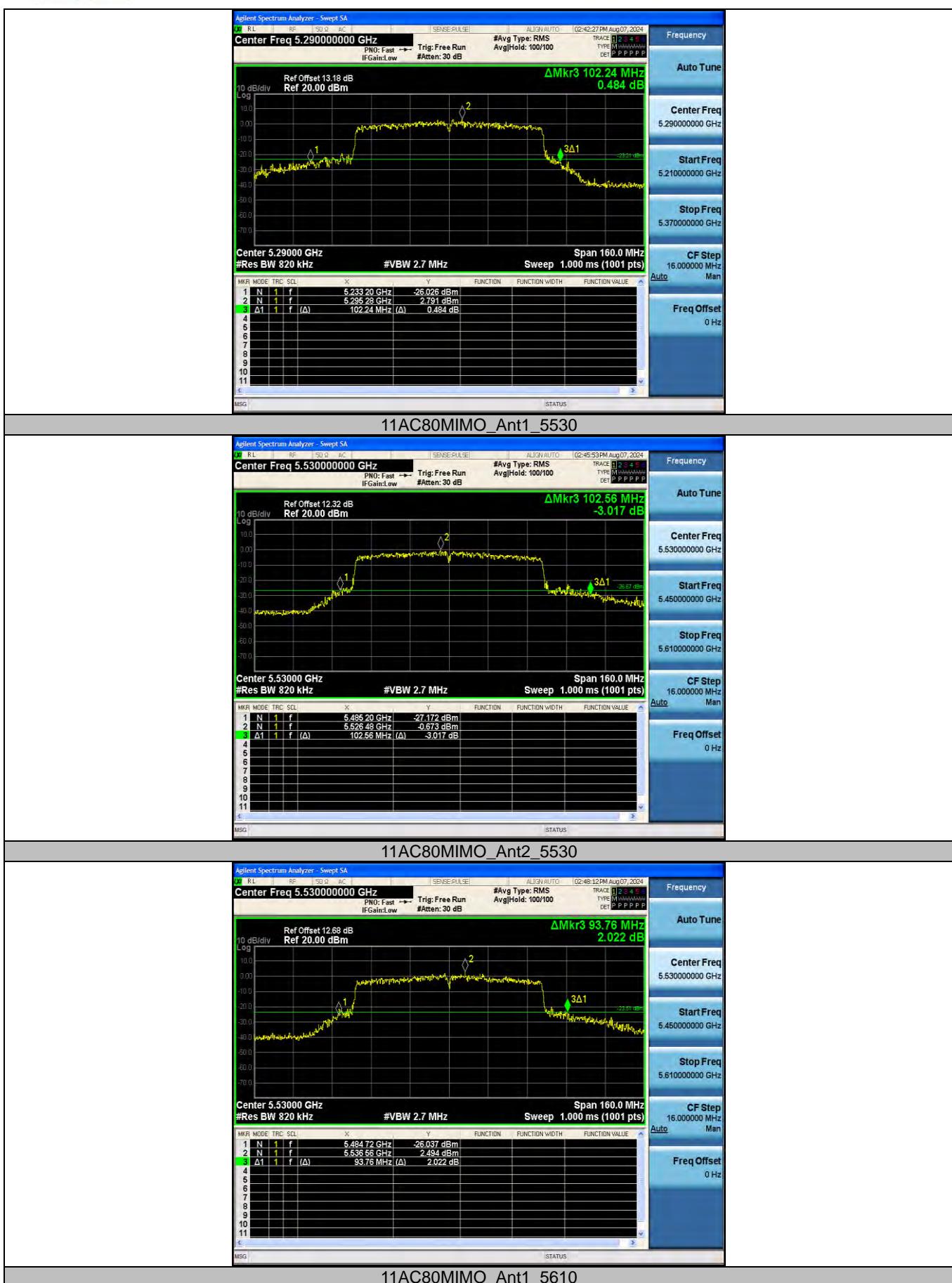
For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)

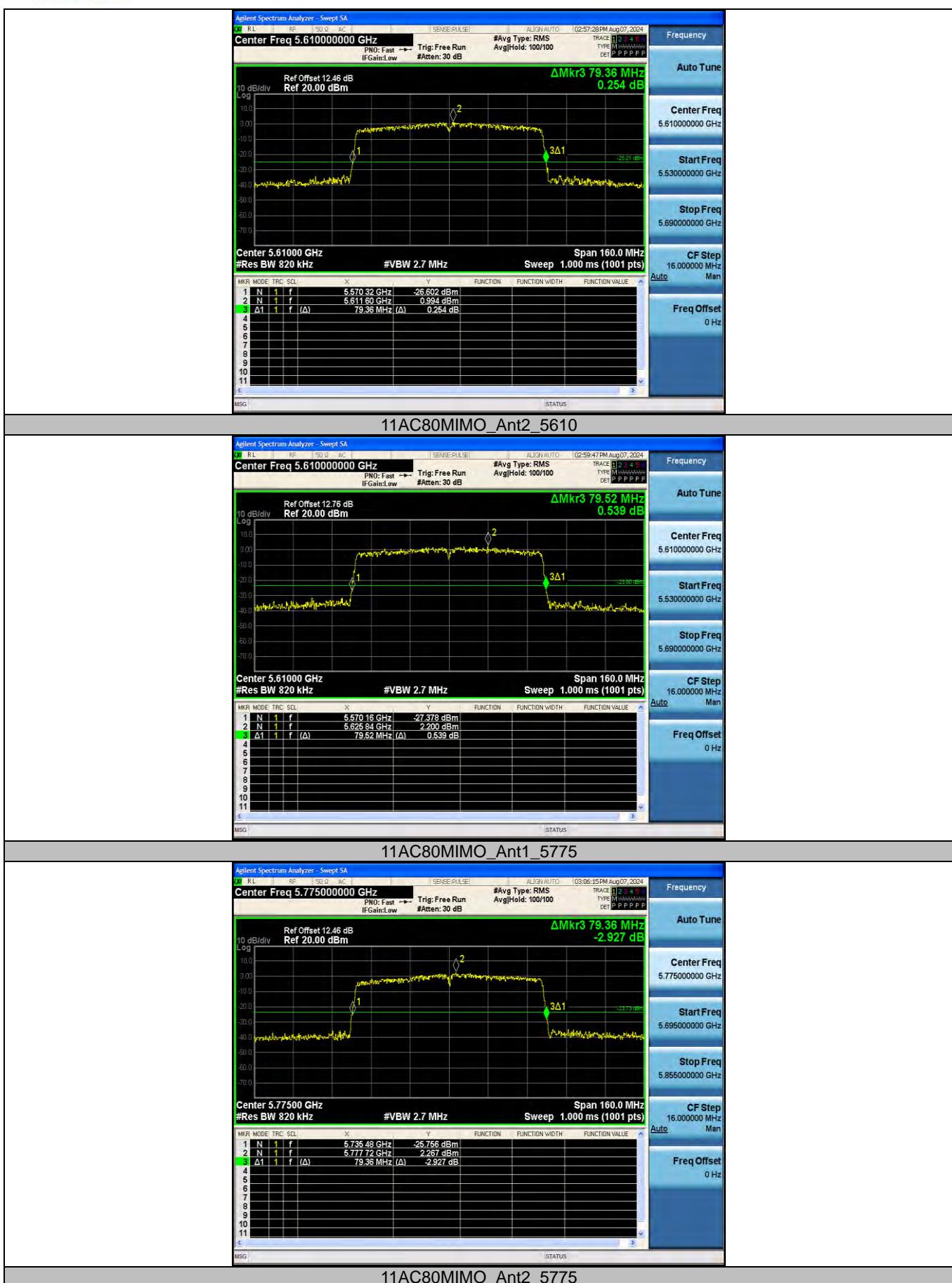


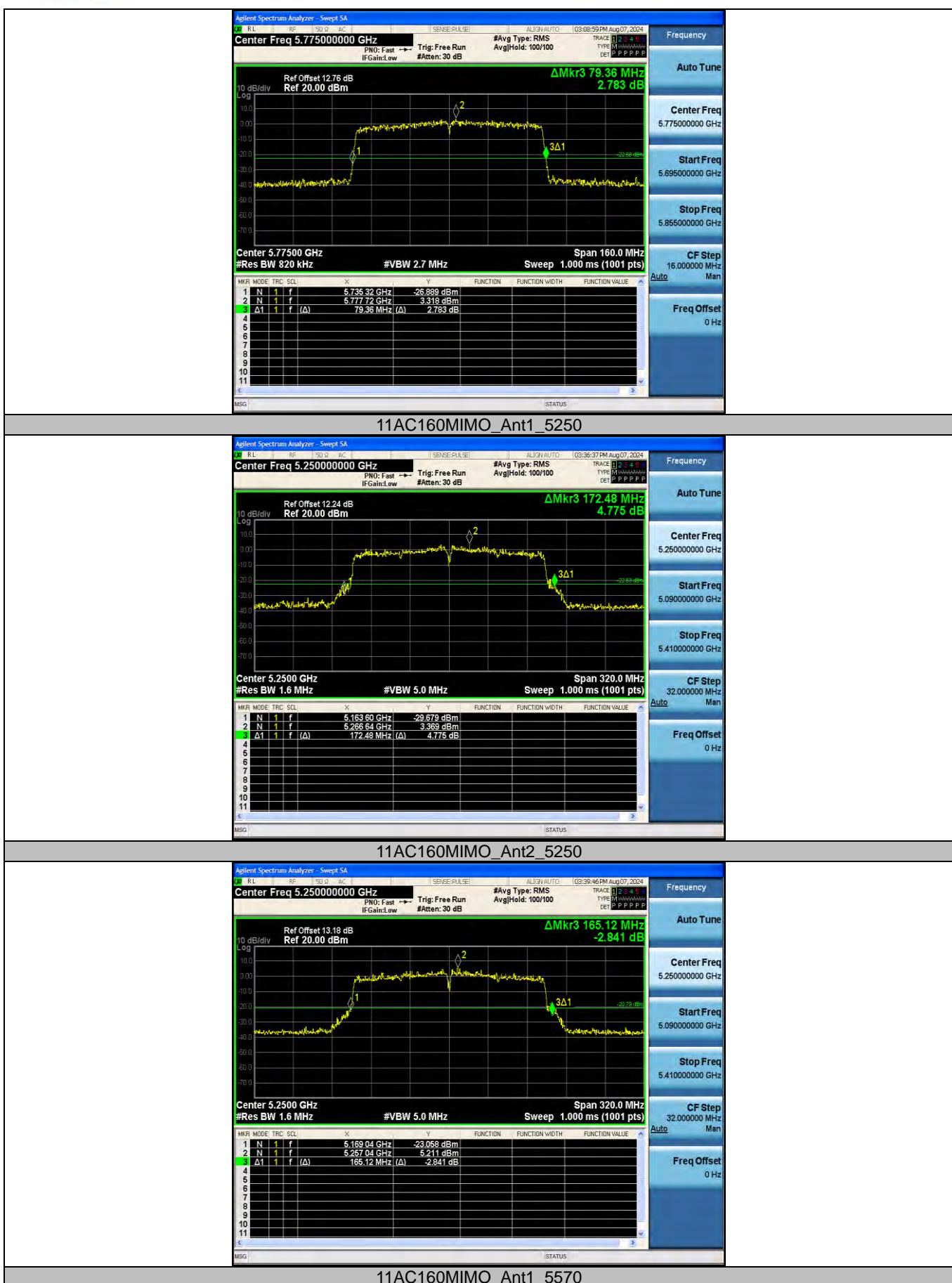














CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)

TRF No: CTC-TR-062\_A2



6dB Bandwidth:

11A\_Ant1\_5745



11A\_Ant2\_5745



11A\_Ant1\_5785



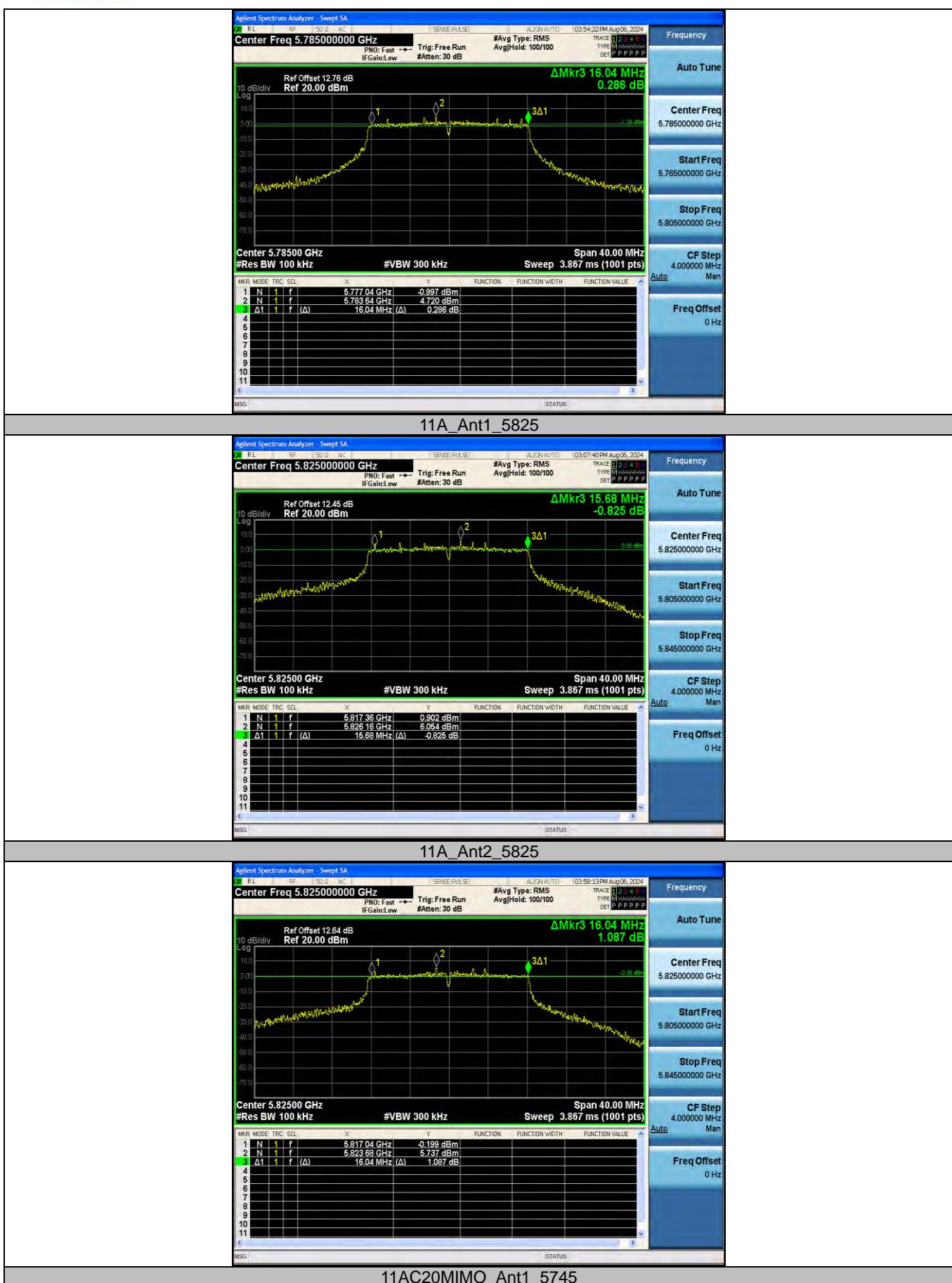
11A\_Ant2\_5785

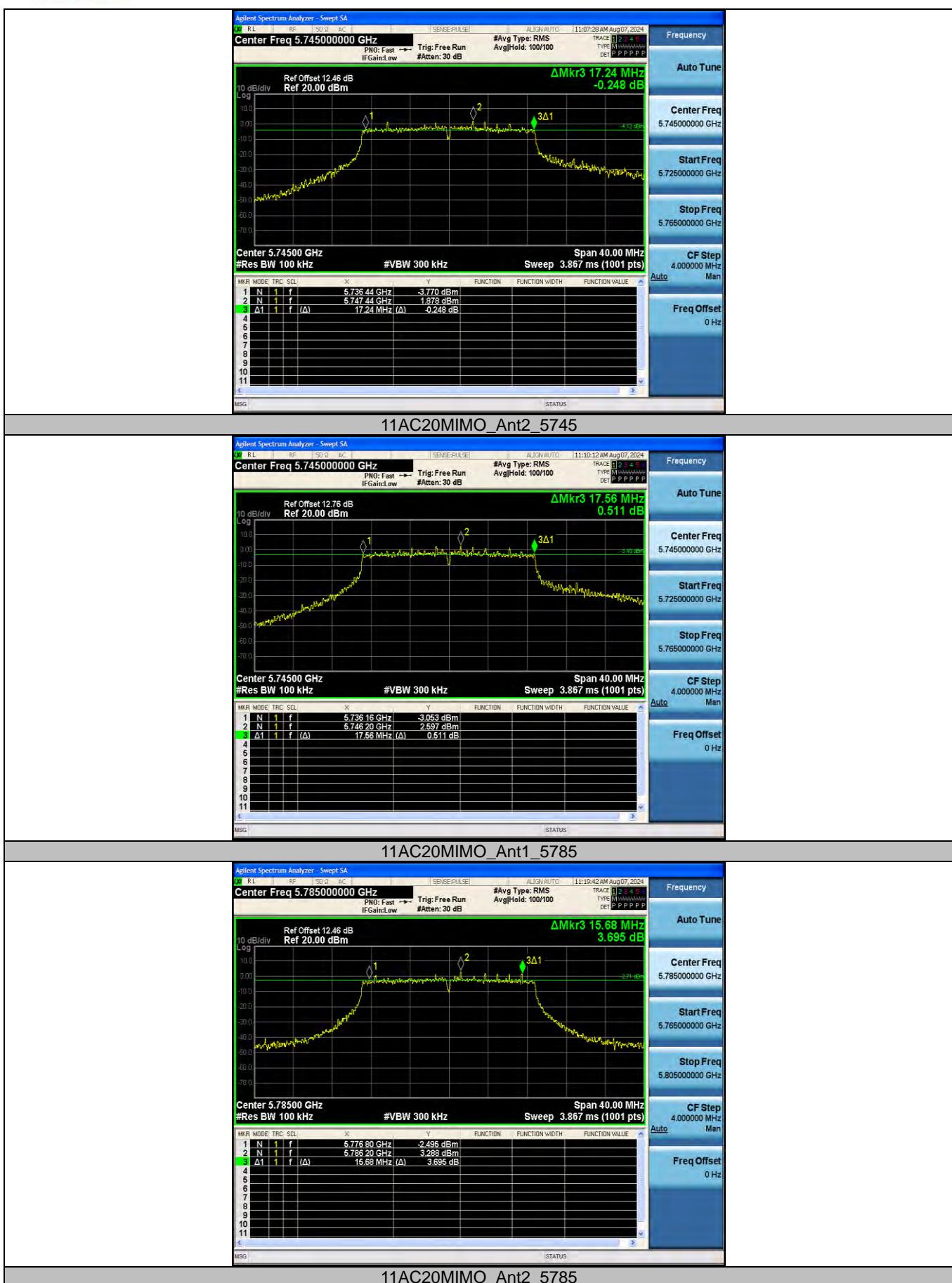
CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)





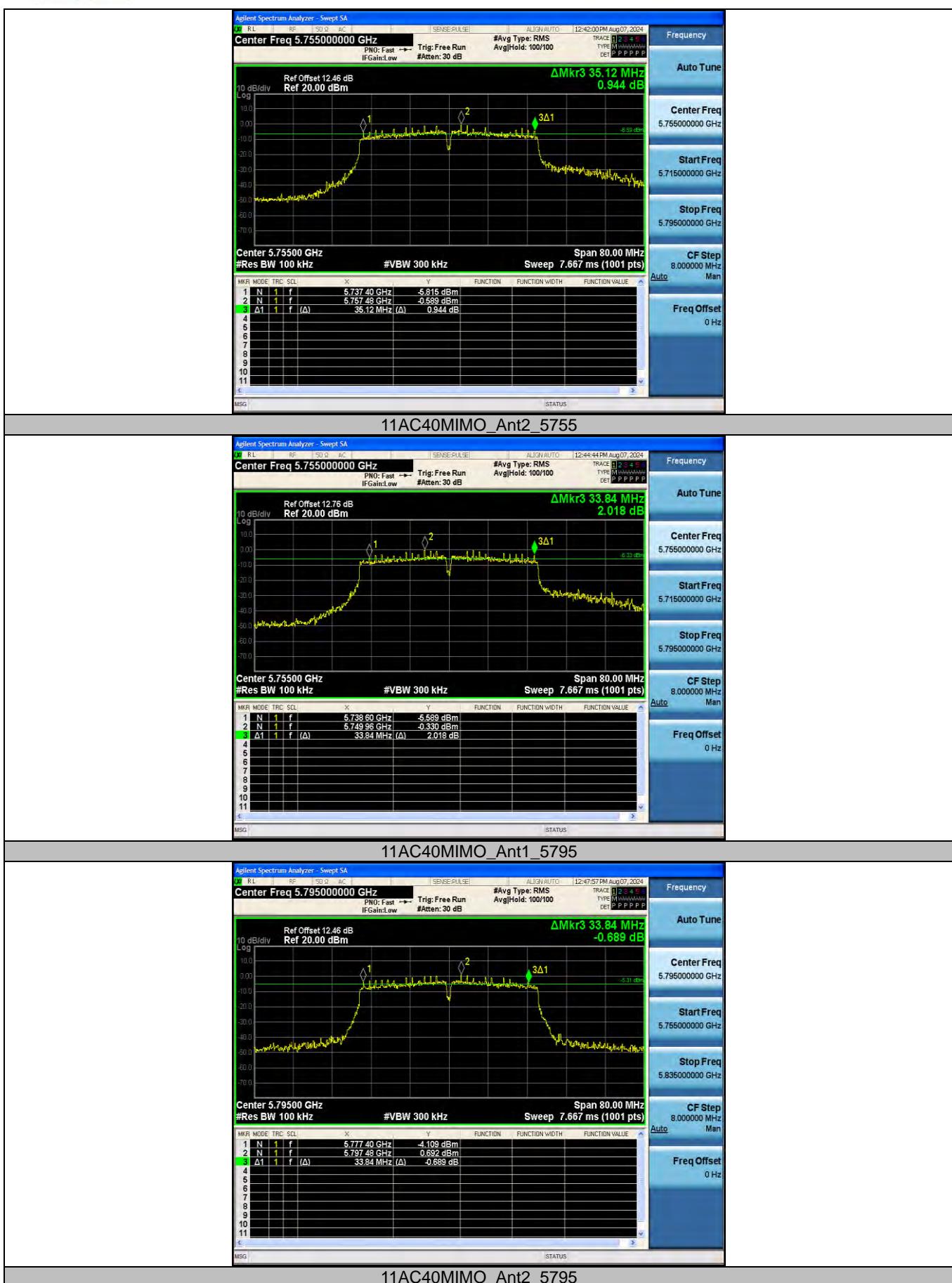
CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)



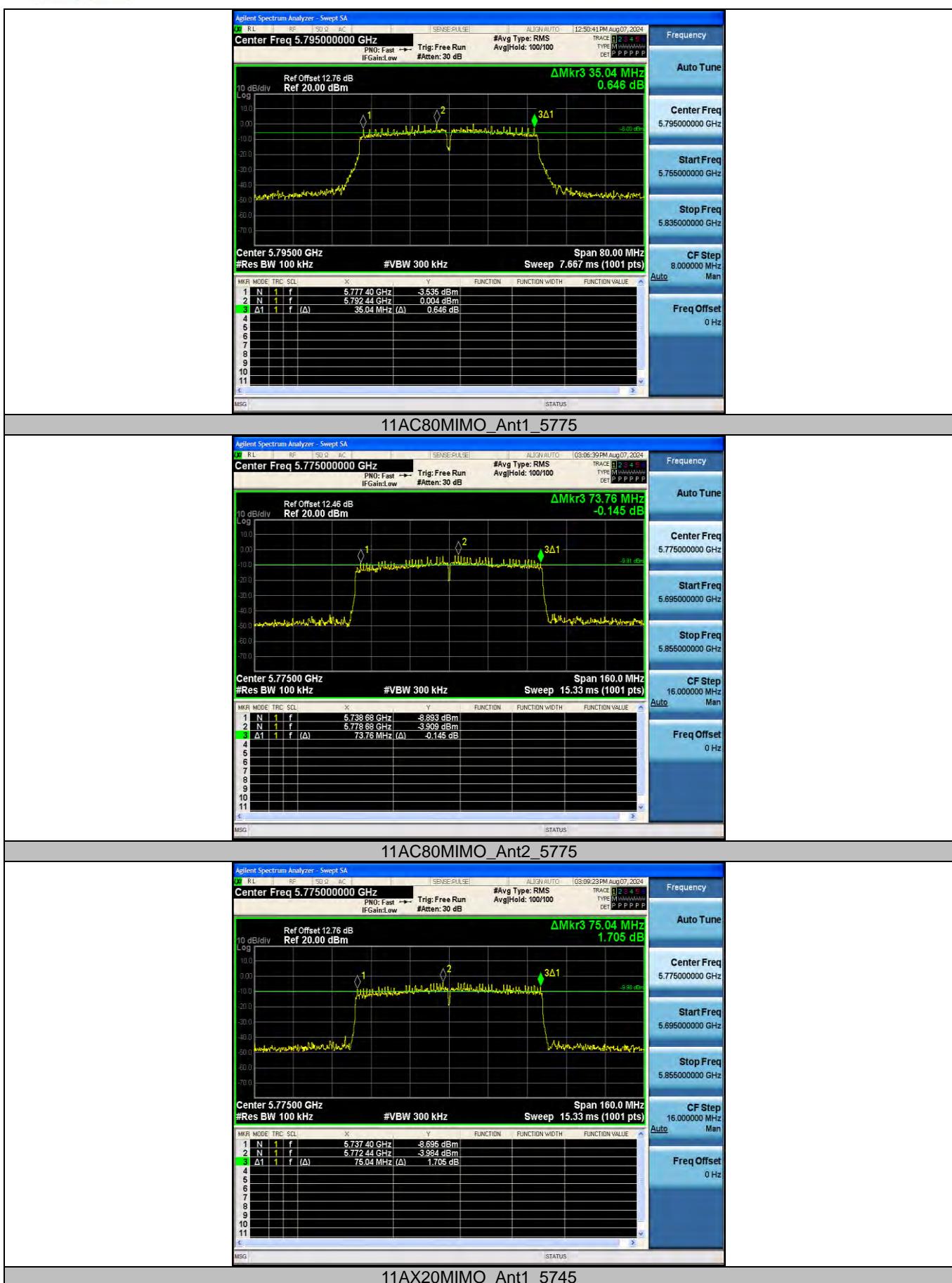


CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)

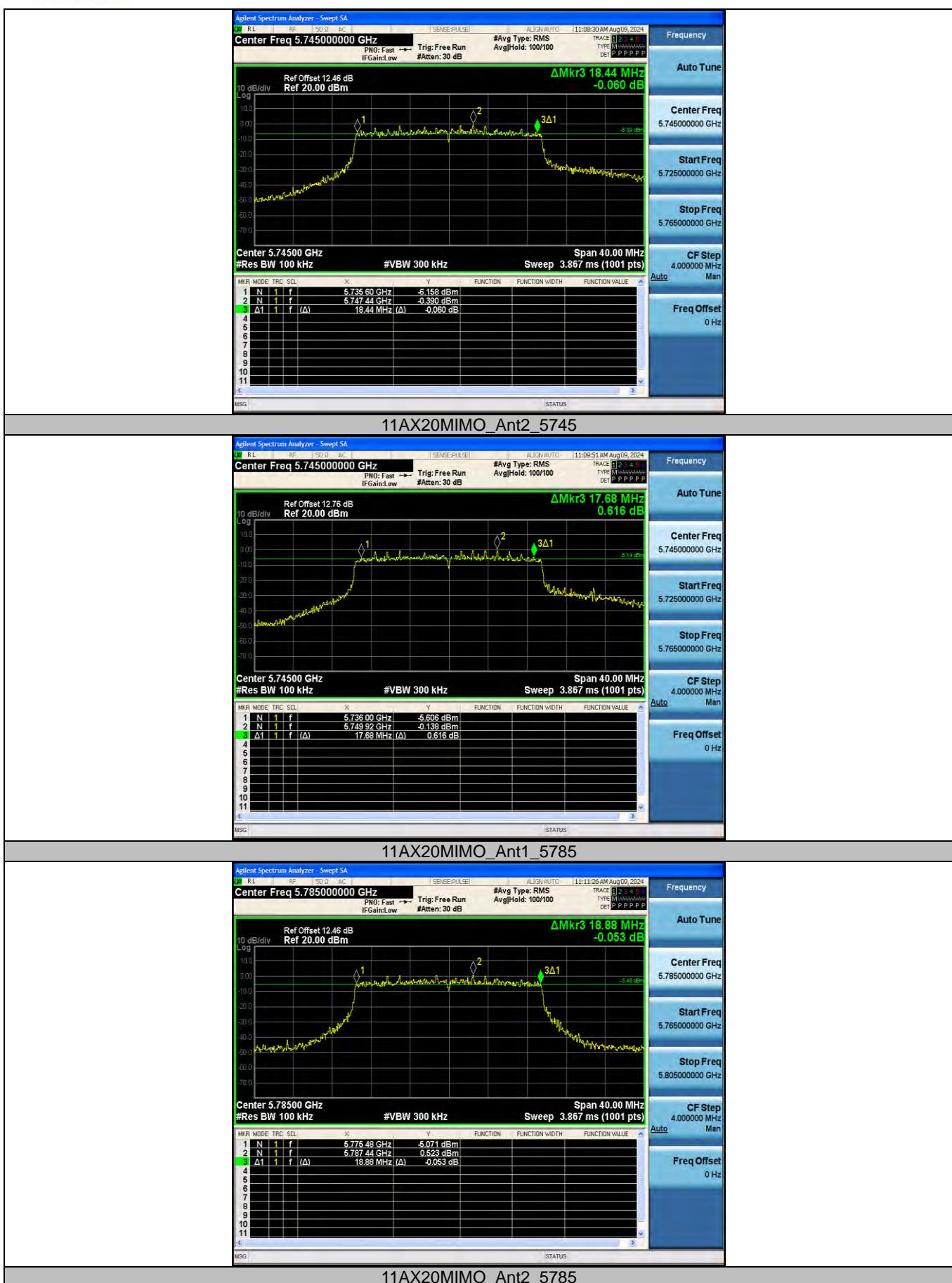


CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)



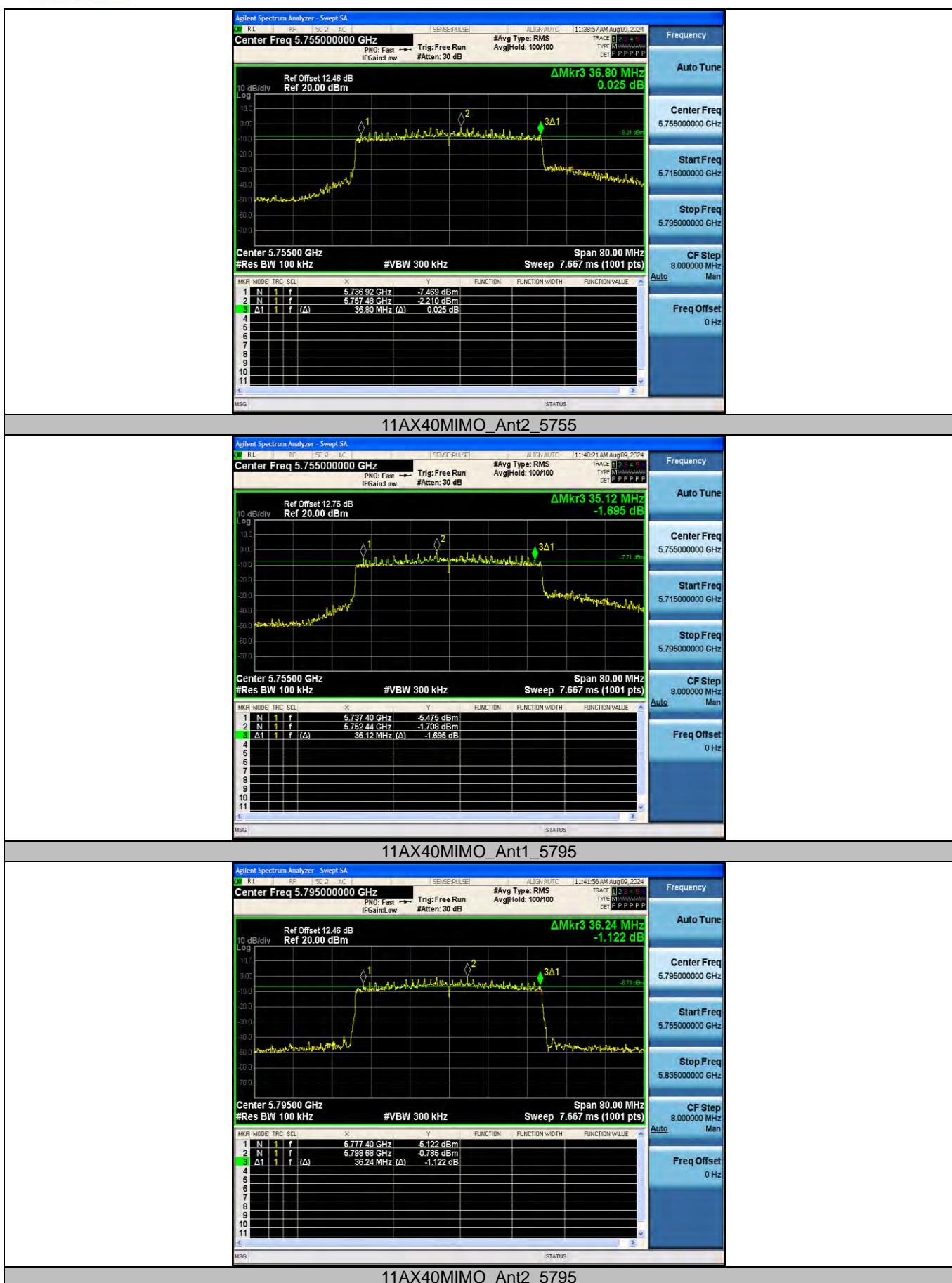


CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2

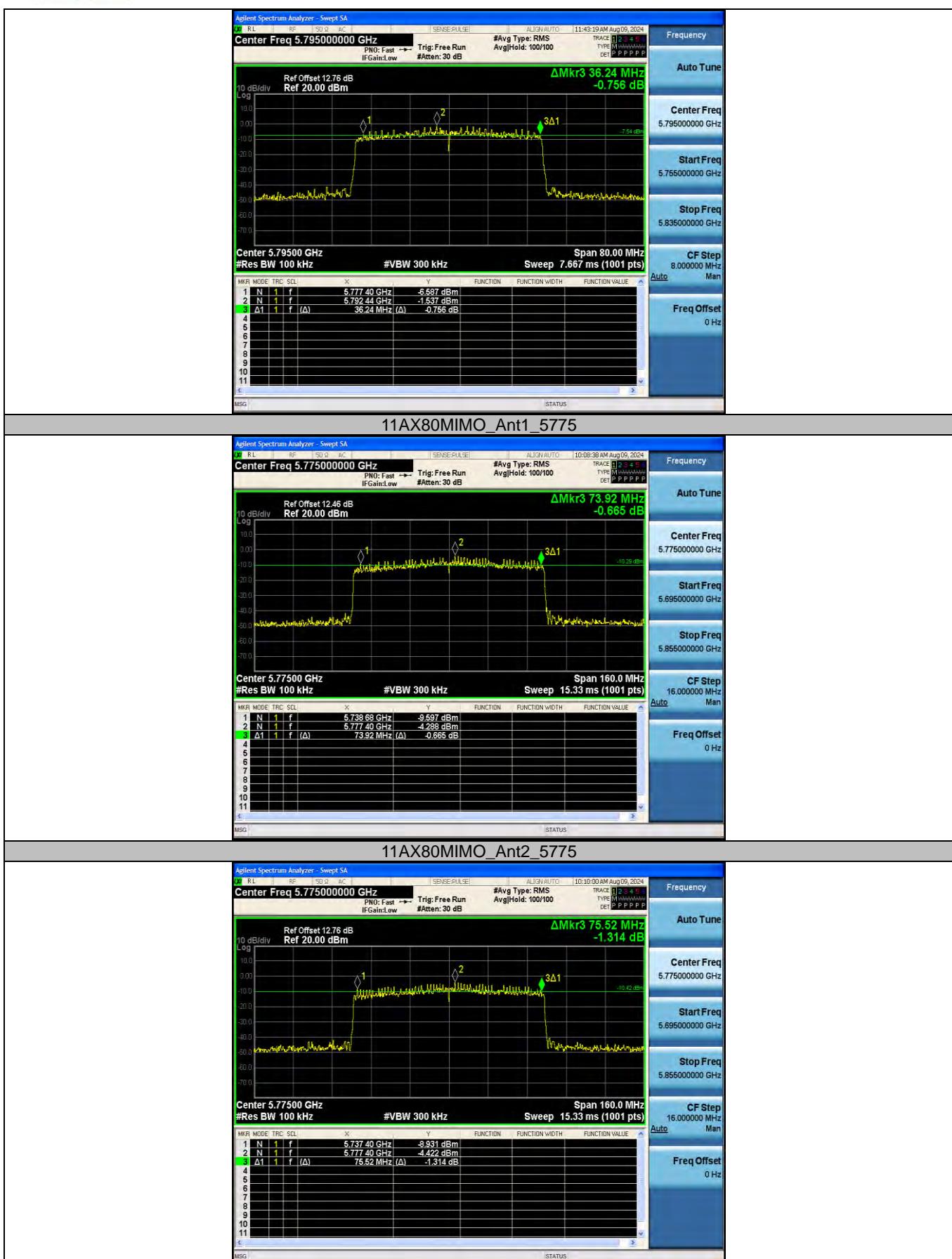
For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)



CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

TRF No: CTC-TR-062\_A2 For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)



CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)

TRF No: CTC-TR-062\_A2



### 3.5. Peak Output Power

#### Limit

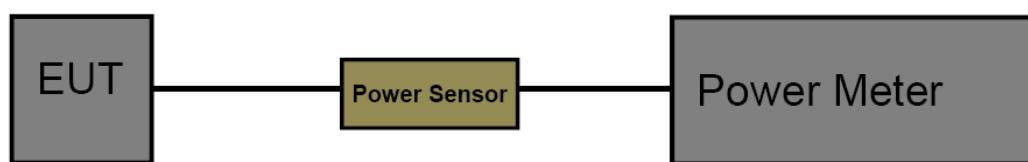
#### FCC CFR Title 47 Part 15 Subpart E Section 15.407(a)

Test Item	Limit	Frequency Range (MHz)
Conducted Output Power	Fixed: 1 Watt (30dBm) Mobile and Portable: 250mW (24dBm)	5150~5250
	250mW (24dBm)	5250~5350
	250mW (24dBm)	5500~5700
	1 Watt (30dBm)	5725~5850

#### RSS-247 6.2

IC Power&PSD Limit					
Frequency	Type of devices	Maximum Conducted Output Power	EIRP Output Power	Conducted Power Spectral Density	EIRP Power Spectral Density
5150MHz-5250MHz	in vehicles		30mW or $1.76 + 10 \times \log_{10} \text{dBm}$ , whichever is less (B=99% OBW in MHz)		
	Other Devices		200mW or $10 + 10 \times \log_{10} \text{dBm}$ , whichever is less (B=99% OBW in MHz)		10dBm/MHz
5250MHz-5350MHz	in vehicles		30mW or $1.76 + 10 \times \log_{10} \text{dBm}$ , whichever is less (B=99% OBW in MHz)		
	Other Devices	250mW or $11 + 10 \times \log_{10} \text{dBm}$ , whichever is less (B=99% OBW in MHz)	1W or $17 + 10 \times \log_{10} \text{dBm}$ , whichever is less (B=99% OBW in MHz)	11dBm/Mhz	
5470MHz-5600MHz 5650MHz-5725MHz	ALL Devices	250mW or $11 + 10 \times \log_{10} \text{dBm}$ , whichever is less (B=99% OBW in MHz)	1W or $17 + 10 \times \log_{10} \text{dBm}$ , whichever is less (B=99% OBW in MHz)	11dBm/Mhz	
5725MHz-5850MHz	ALL Devices	1W		30dBm/500KHz	

#### Test Configuration



### **Test Procedure**

The measurement is according to section 3 of KDB 789033 D02 General UNII Test Procedures New Rules V02r01.

### **Test Mode**

Please refer to the clause 2.4.

### **Test Result**

Test Mode	Antenna	Freq(MHz)	Conducted Output Power [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	16.21	≤23.98	PASS
	Ant2	5180	16.85	≤23.98	PASS
	Ant1	5200	15.85	≤23.98	PASS
	Ant2	5200	16.12	≤23.98	PASS
	Ant1	5240	15.33	≤23.98	PASS
	Ant2	5240	15.15	≤23.98	PASS
	Ant1	5260	15.31	≤23.98	PASS
	Ant2	5260	15.37	≤23.98	PASS
	Ant1	5280	15.25	≤23.98	PASS
	Ant2	5280	15.54	≤23.98	PASS
	Ant1	5320	15.11	≤23.98	PASS
	Ant2	5320	15.31	≤23.98	PASS
	Ant1	5500	14.48	≤23.98	PASS
	Ant2	5500	15.06	≤23.98	PASS
	Ant1	5580	13.48	≤23.98	PASS
	Ant2	5580	13.99	≤23.98	PASS
	Ant1	5700	15.31	≤23.98	PASS
	Ant2	5700	15.29	≤23.98	PASS
	Ant1	5745	15.34	≤30.00	PASS
	Ant2	5745	15.26	≤30.00	PASS
	Ant1	5785	15.86	≤30.00	PASS
	Ant2	5785	15.64	≤30.00	PASS
	Ant1	5825	16.26	≤30.00	PASS
	Ant2	5825	16.23	≤30.00	PASS
11N20MIMO	Ant1	5180	12.32	≤23.98	PASS
	Ant2	5180	13.19	≤23.98	PASS
	total	5180	15.79	≤23.98	PASS
	Ant1	5200	11.78	≤23.98	PASS
	Ant2	5200	13.92	≤23.98	PASS
	total	5200	15.99	≤23.98	PASS
	Ant1	5240	11.34	≤23.98	PASS
	Ant2	5240	13.09	≤23.98	PASS
	total	5240	15.31	≤23.98	PASS
	Ant1	5260	11.61	≤23.98	PASS
	Ant2	5260	12.84	≤23.98	PASS
	total	5260	15.28	≤23.98	PASS

CTC Laboratories, Inc.

Room 107, 108, 207, 208, 303 of Building A, Room 101 of Building B, No.7, Lanqing 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 [Http://www.sz-ctc.org.cn](http://www.sz-ctc.org.cn)

For anti-fake verification, please visit the official website of China Inspection And Testing Society : [yz.cncaq.com](http://yz.cncaq.com)

TRF No: CTC-TR-062\_A2