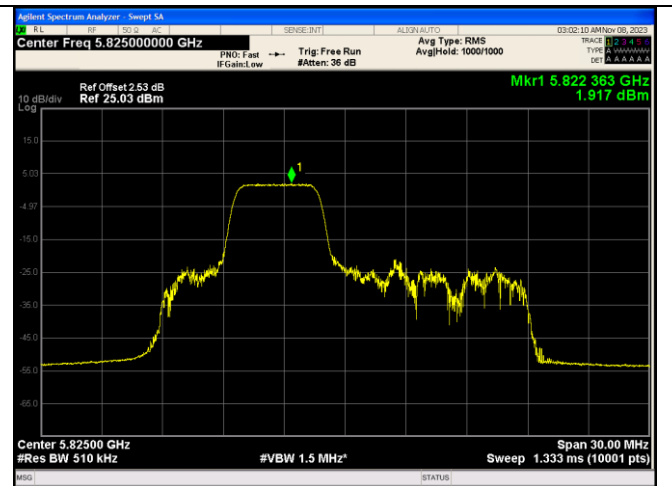
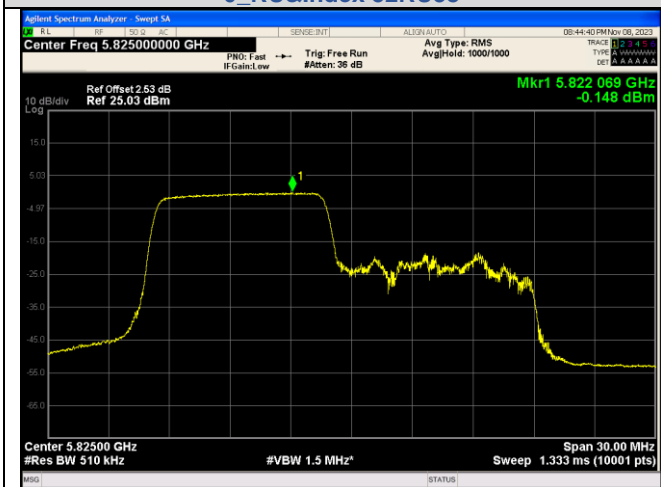


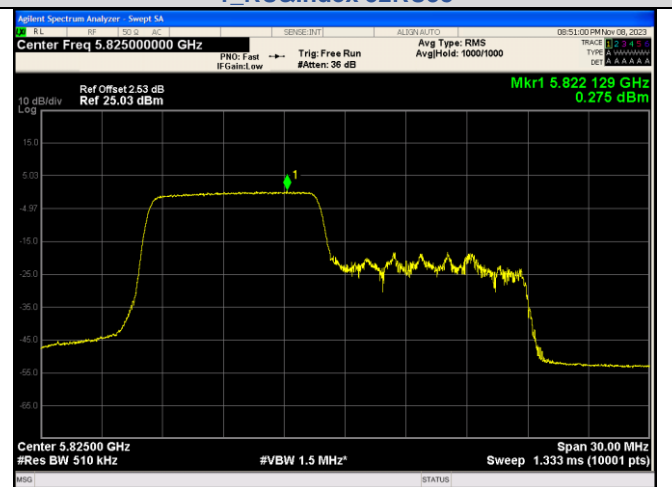
IEEE 802.11ax\_Channel 165\_20MHz\_Antenna  
0\_RU&Index 52RU38



IEEE 802.11ax\_Channel 165\_20MHz\_Antenna  
1\_RU&Index 52RU38



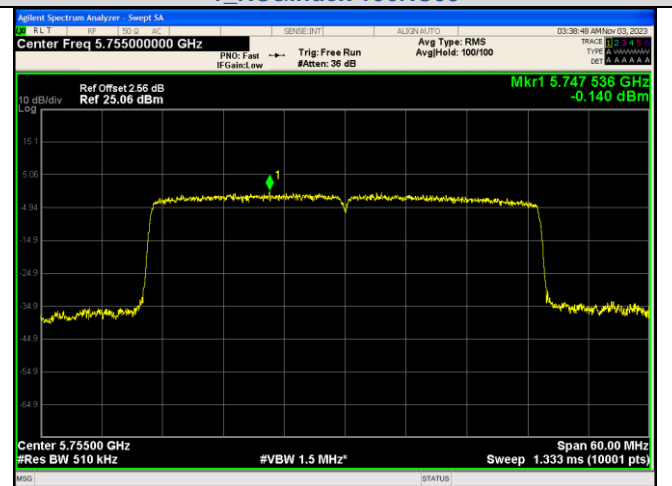
IEEE 802.11ax\_Channel 165\_20MHz\_Antenna  
0\_RU&Index 106RU53



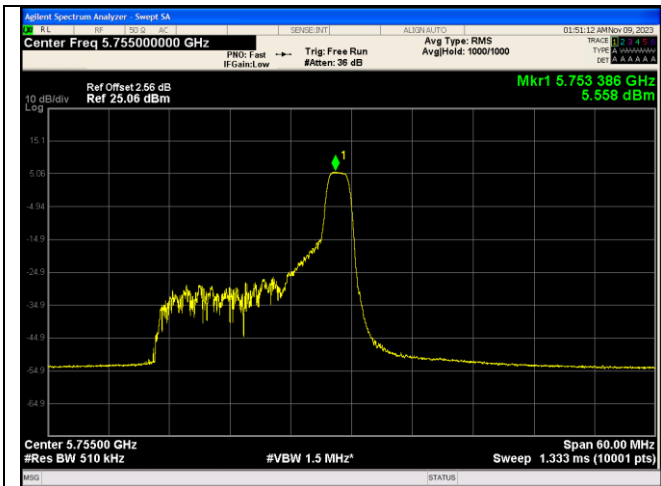
IEEE 802.11ax\_Channel 165\_20MHz\_Antenna  
1\_RU&Index 106RU53



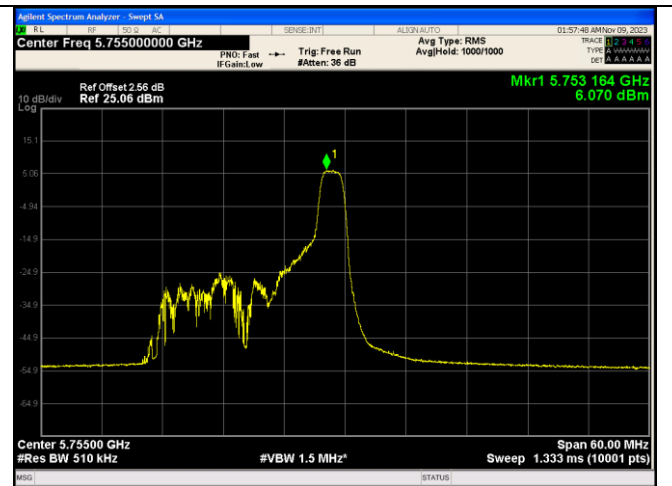
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
0\_RU&Index 484RU65



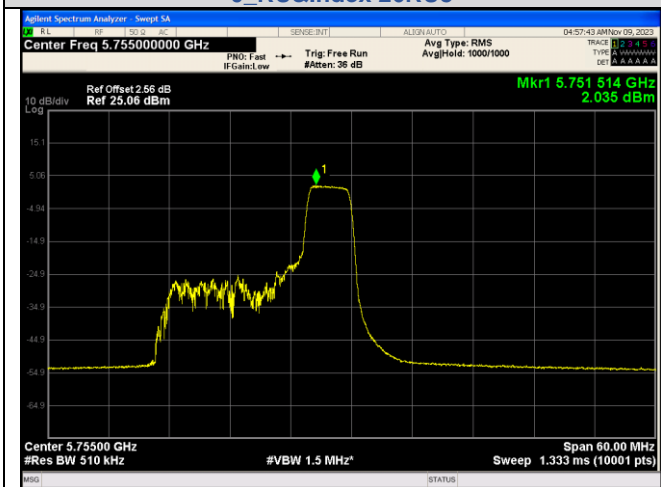
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
1\_RU&Index 484RU65



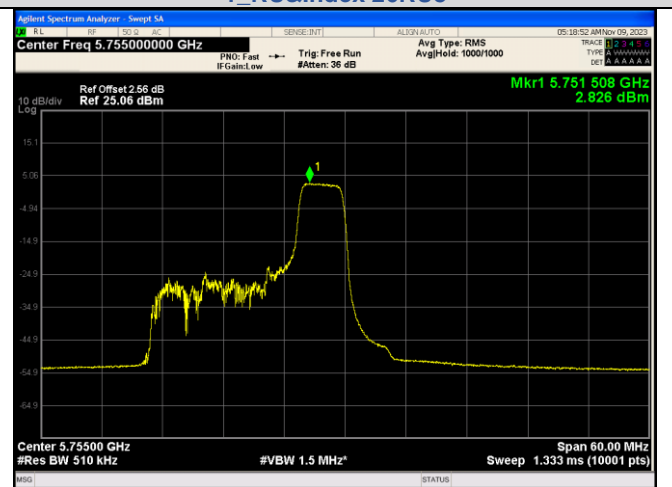
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
0\_RU&Index 26RU8



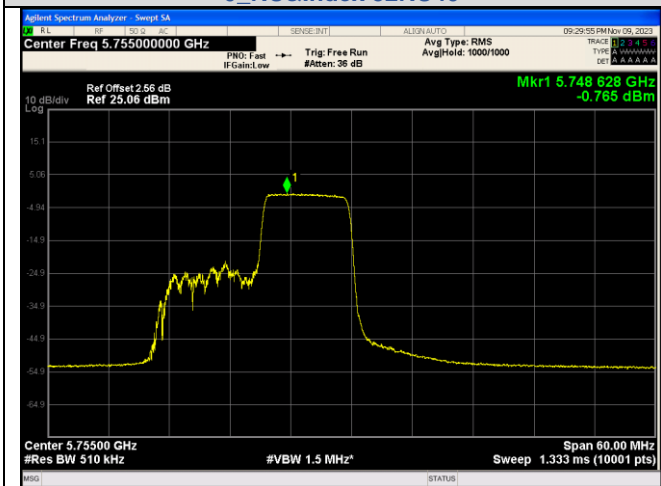
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
1\_RU&Index 26RU8



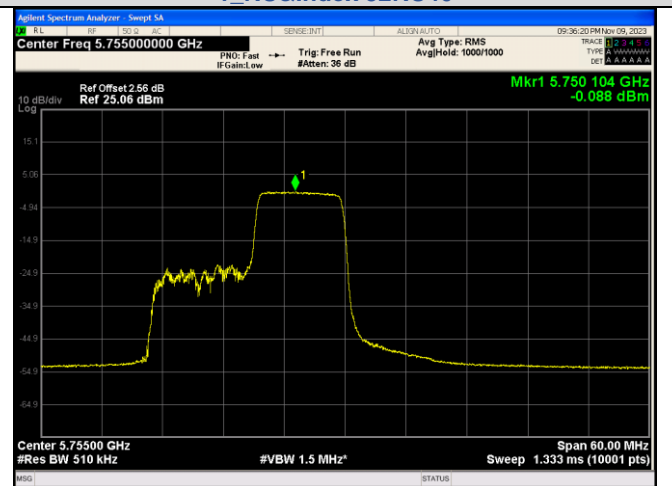
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
0\_RU&Index 52RU40



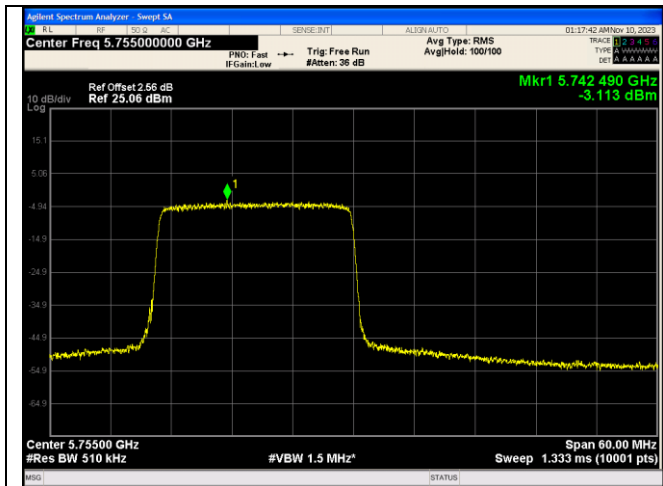
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
1\_RU&Index 52RU40



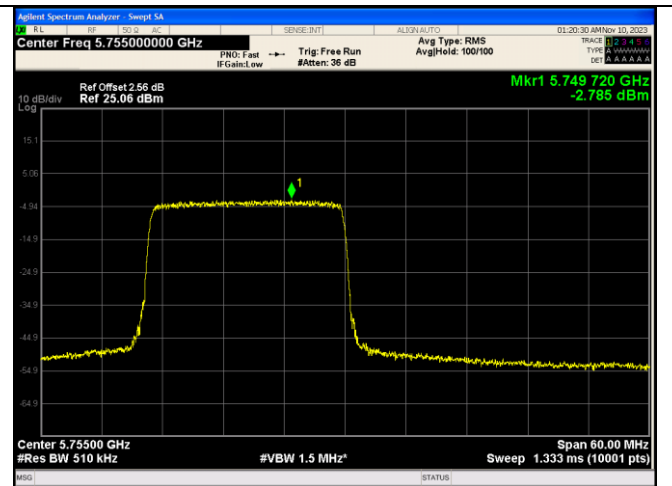
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
0\_RU&Index 106RU54



IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
1\_RU&Index 106RU54



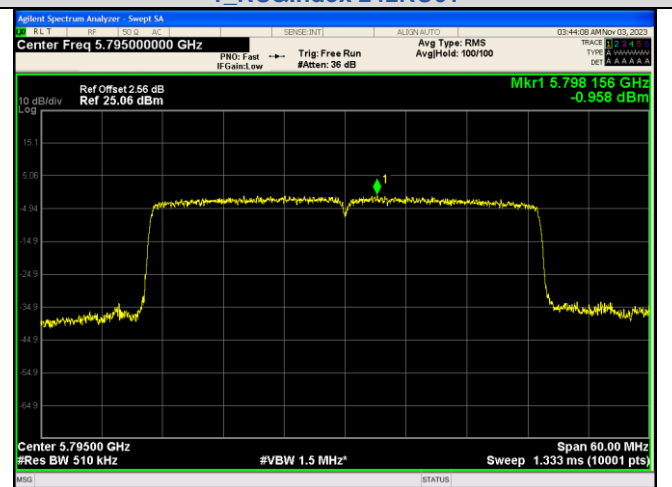
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
0\_RU&Index 242RU61



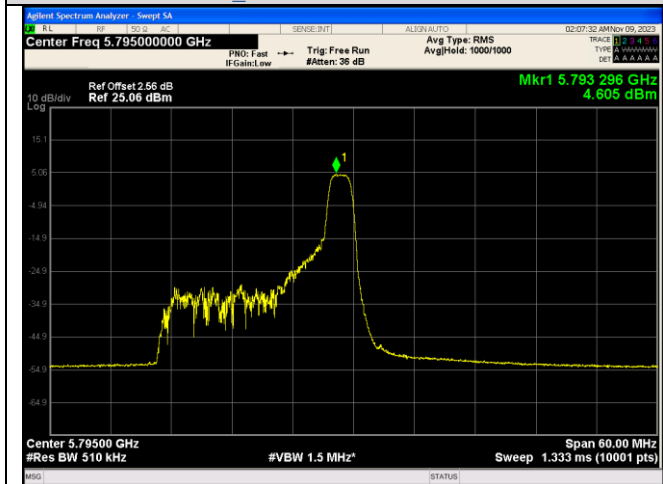
IEEE 802.11ax\_Channel 151\_40MHz\_Antenna  
1\_RU&Index 242RU61



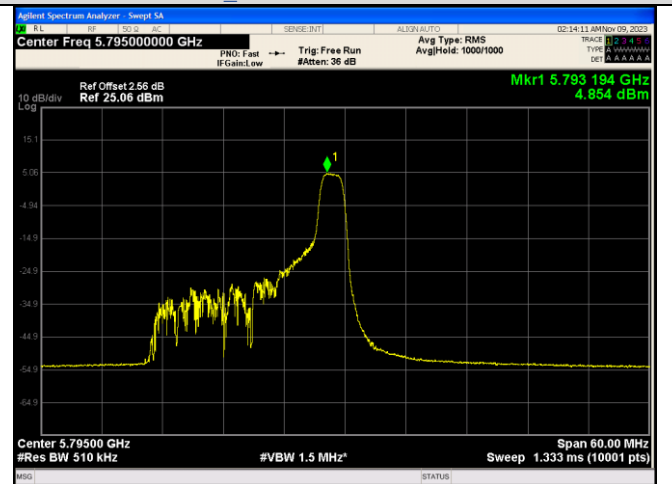
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
0\_RU&Index 484RU65



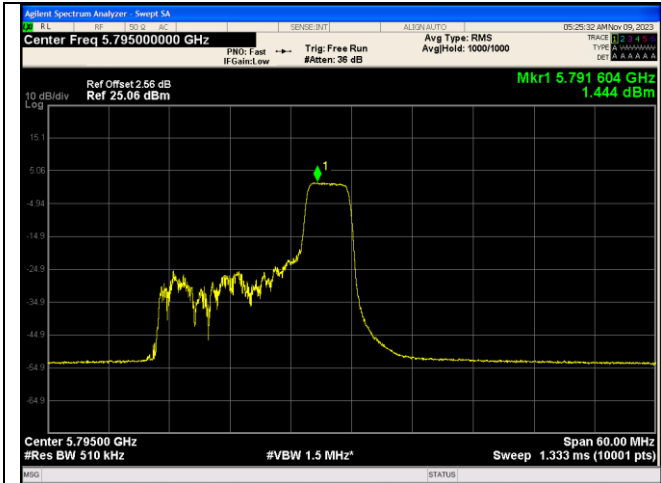
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
1\_RU&Index 484RU65



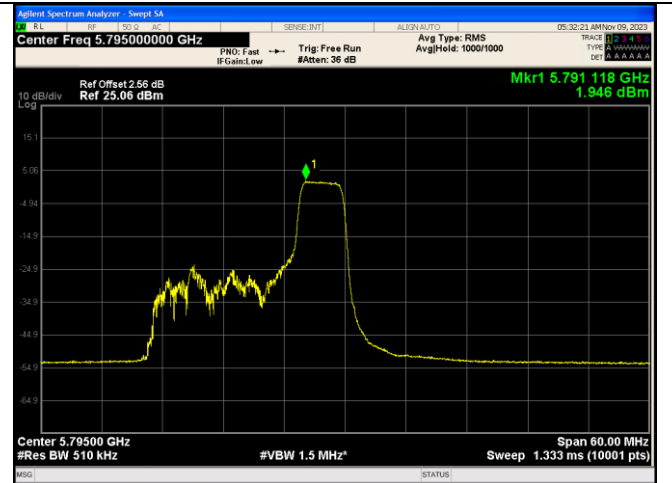
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
0\_RU&Index 26RU8



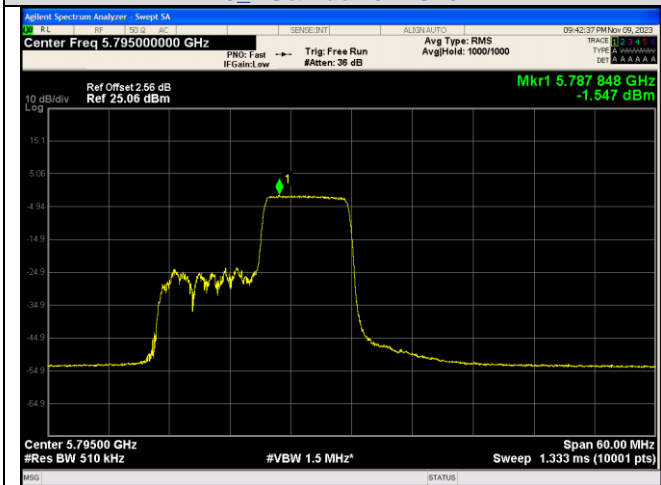
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
1\_RU&Index 26RU8



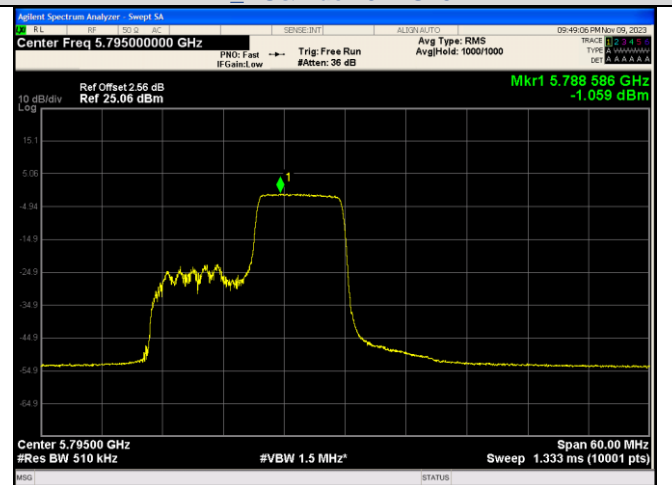
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
0\_RU&Index 52RU40



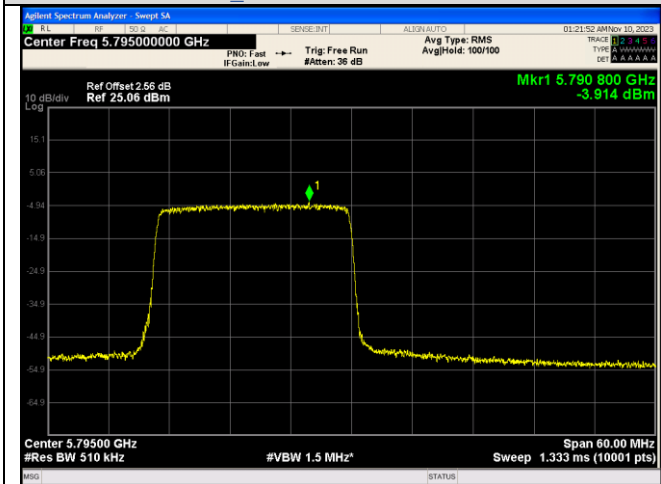
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
1\_RU&Index 52RU40



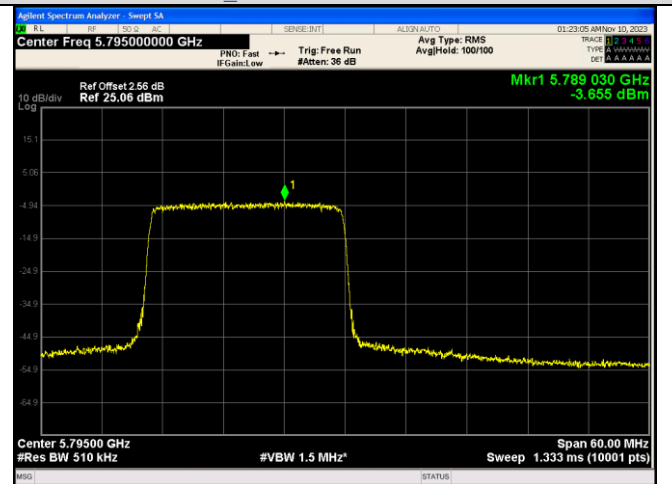
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
0\_RU&Index 106RU54



IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
1\_RU&Index 106RU54



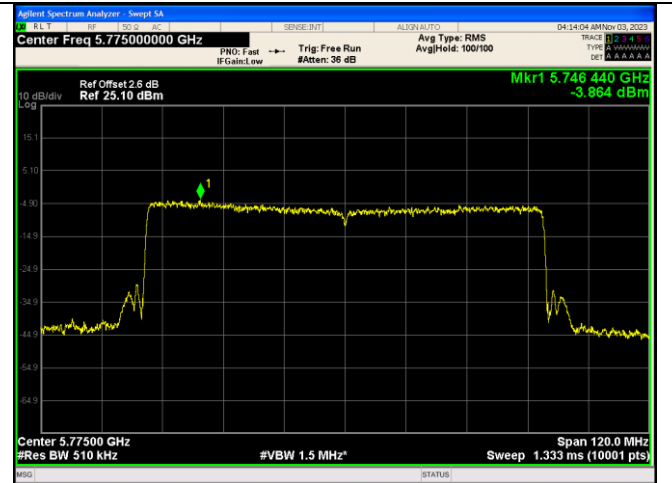
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
0\_RU&Index 242RU61



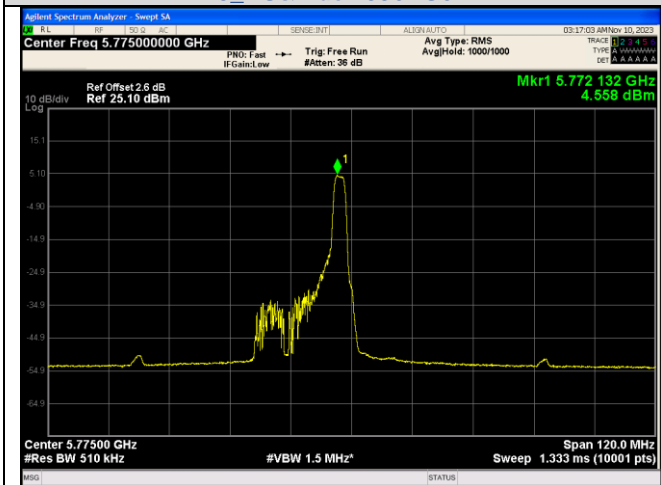
IEEE 802.11ax\_Channel 159\_40MHz\_Antenna  
1\_RU&Index 242RU61



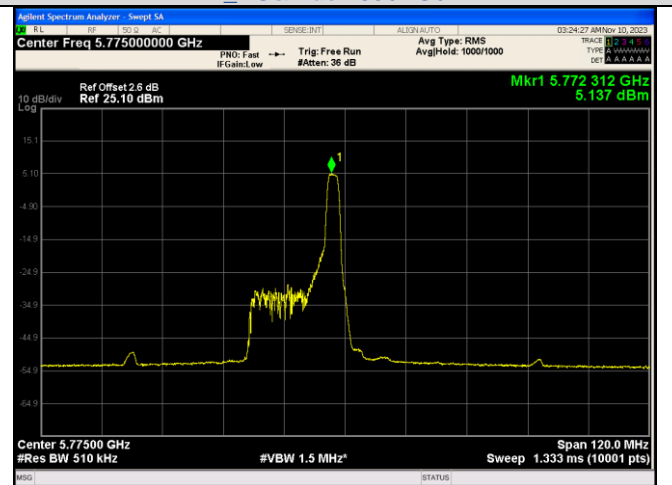
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
0\_RU&Index 996RU67



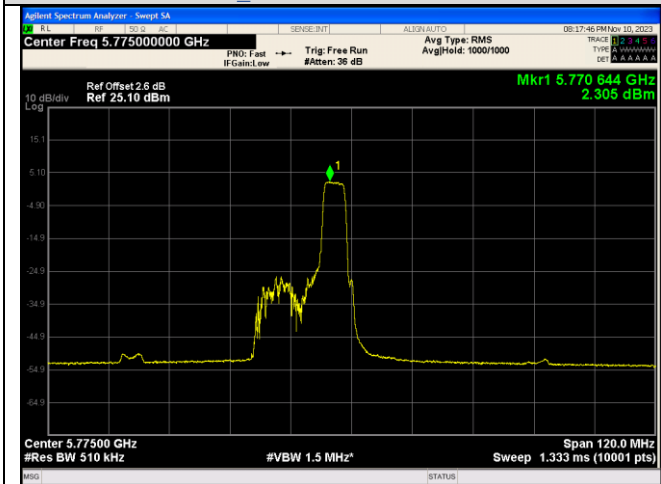
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
1\_RU&Index 996RU67



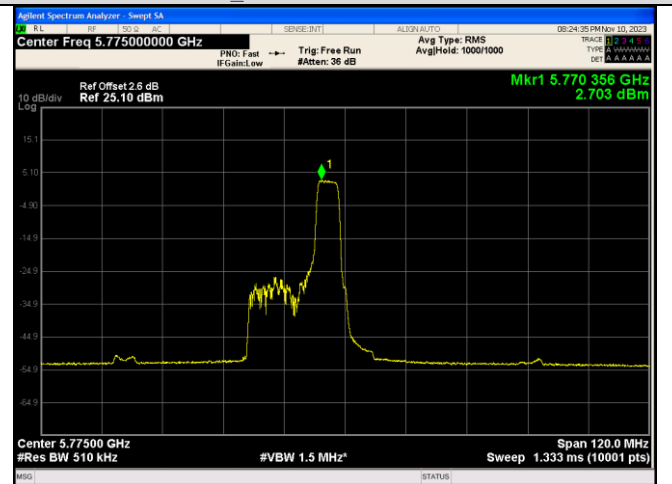
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
0\_RU&Index 26RU17



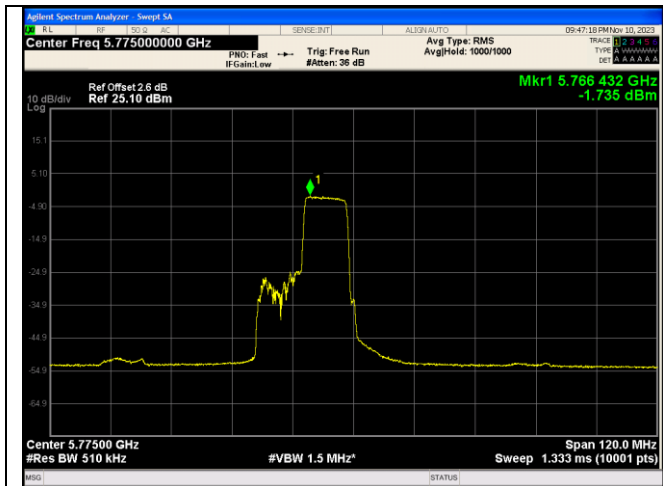
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
1\_RU&Index 26RU17



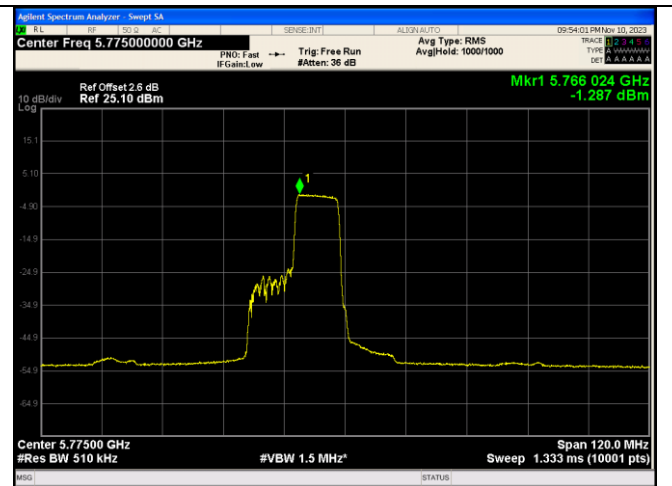
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
0\_RU&Index 52RU44



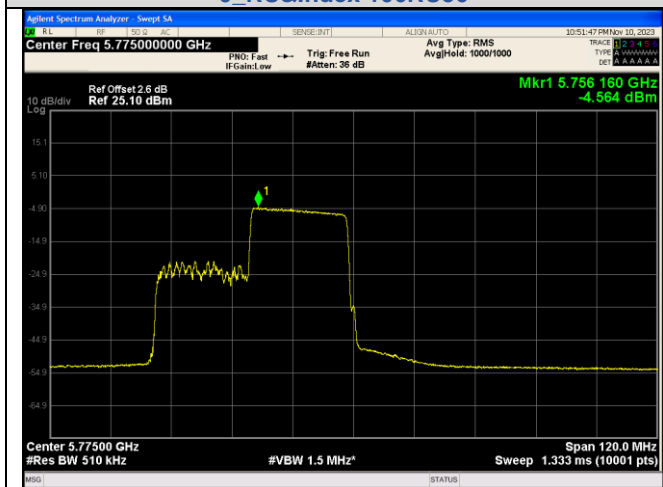
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
1\_RU&Index 52RU44



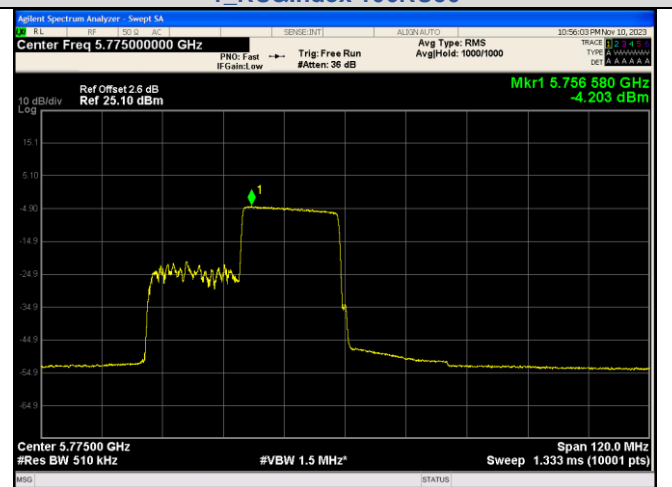
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
0\_RU&Index 106RU56



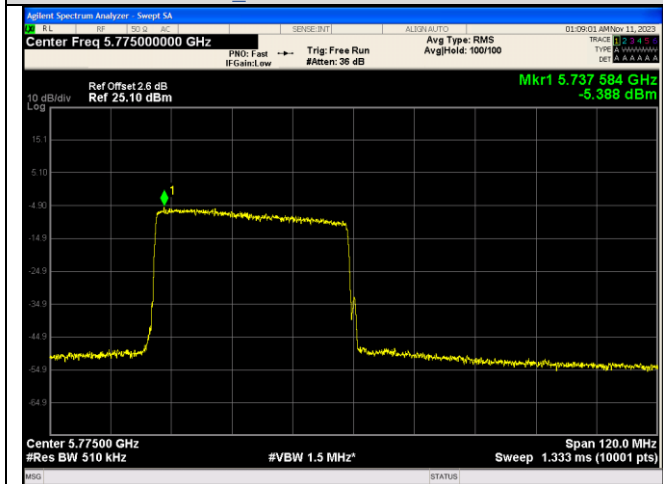
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
1\_RU&Index 106RU56



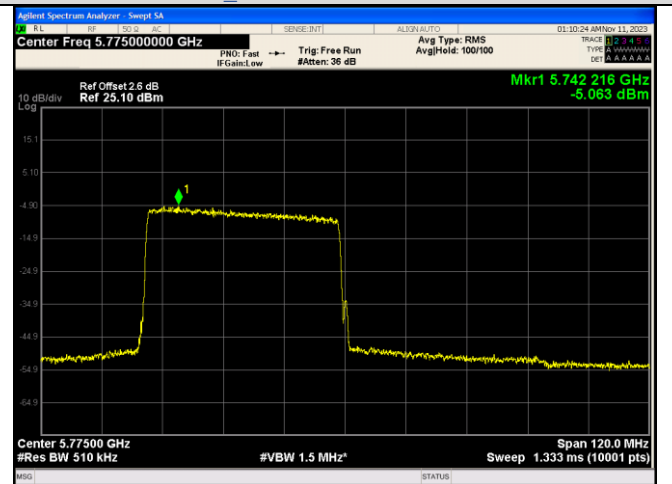
IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
0\_RU&Index 242RU62



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
1\_RU&Index 242RU62



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
0\_RU&Index 484RU65



IEEE 802.11ax\_Channel 155\_80MHz\_Antenna  
1\_RU&Index 484RU65

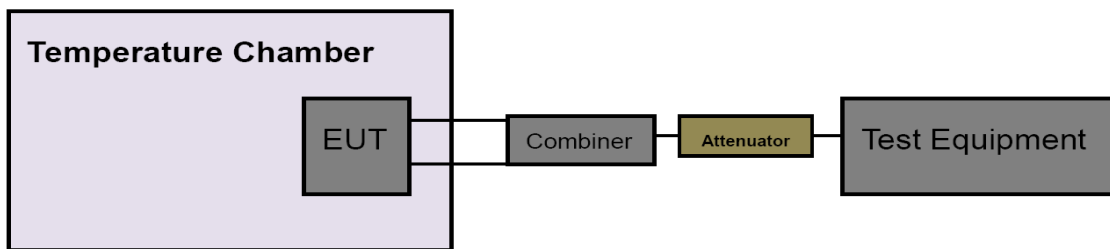
### 3.7. Frequency Stability

**Limit**

FCC CFR Title 47 Part 15 Subpart E Section 15.407(g) / RSS-Gen 6.11

Test Item	Limit	Frequency Range (MHz)
Frequency Stability	Specified in the user's manual, the transmitter center frequency tolerance shall be $\pm 20$ ppm maximum for the 5 GHz band (IEEE 802.11n specification)	5150~5250
		5250~5350
		5500~5700
		5725~5850

**Test Configuration**



**Test Procedure**

The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above.

- (1) The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
- (2) Set analyzer center frequency to transmitting frequency.
- (3) Set the span to encompass the entire emissions bandwidth (EBW) of the signal.
- (4) Set the RBW to: 8MHz, VBW=8MHz with peak detector and max hold settings.
- (5) The test extreme voltage is to change the primary supply voltage from 10.8V to 13.2V percent of the nominal value.
- (6) Extreme temperature is 0°C~45°C

NOTE: The EUT was set to continuously transmitting in continuously un-modulation transmitting mode.

**Test Mode**

Please refer to the clause 2.4.

**Test Result**

Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State	
NT/NV	20M	36	0	5180.0	5179.951449	-9.37	±20	PASS	
			1	5180.0	5179.951449	-9.37		PASS	
		40	0	5200.0	5199.947826	-10.03		PASS	
			1	5200.0	5199.948551	-9.89		PASS	
		48	0	5240.0	5239.949275	-9.68		PASS	
			1	5240.0	5239.949275	-9.68		PASS	
		52	0	5260.0	5259.949275	-9.64		PASS	
			1	5260.0	5259.949275	-9.64		PASS	
		56	0	5280.0	5279.948551	-9.74		PASS	
			1	5280.0	5279.948551	-9.74		PASS	
		64	0	5320.0	5319.948551	-9.67		PASS	
			1	5320.0	5319.948551	-9.67		PASS	
		100	0	5500.0	5499.947101	-9.62		PASS	
			1	5500.0	5499.947101	-9.62		PASS	
		116	0	5580.0	5579.946377	-9.61		PASS	
			1	5580.0	5579.946377	-9.61		PASS	
		140	0	5700.0	5699.944928	-9.66		PASS	
			1	5700.0	5699.944928	-9.66		PASS	
	40M	38	0	5190.0	5189.950000	-9.63		PASS	
			1	5190.0	5189.950000	-9.63		PASS	
		46	0	5230.0	5229.950000	-9.56		PASS	
			1	5230.0	5229.950000	-9.56		PASS	
		54	0	5270.0	5269.949275	-9.63		PASS	
			1	5270.0	5269.949275	-9.63		PASS	
		62	0	5310.0	5309.949275	-9.55		PASS	
			1	5310.0	5309.949275	-9.55		PASS	
		102	0	5510.0	5509.947101	-9.6		PASS	
			1	5510.0	5509.947101	-9.6		PASS	
		110	0	5550.0	5549.947101	-9.53		PASS	
			1	5550.0	5549.947101	-9.53		PASS	
		134	0	5670.0	5669.945652	-9.59		PASS	
			1	5670.0	5669.945652	-9.59		PASS	
		80M	42	0	5210.0	5209.950725		-9.46	PASS
				1	5210.0	5209.950725		-9.46	PASS
			58	0	5290.0	5289.950000		-9.45	PASS
				1	5290.0	5289.950000		-9.45	PASS
	106		0	5530.0	5529.947826	-9.43		PASS	
			1	5530.0	5529.947826	-9.43		PASS	
	122	0	5610.0	5609.947101	-9.43	PASS			
		1	5610.0	5609.947101	-9.43	PASS			
	LT/NV	20M	36	0	5180.0	5179.951449		-9.37	PASS
				1	5180.0	5179.951449		-9.37	PASS
			40	0	5200.0	5199.948551		-9.89	PASS
				1	5200.0	5199.949275		-9.75	PASS
			48	0	5240.0	5239.949275		-9.68	PASS
				1	5240.0	5239.949275		-9.68	PASS
			52	0	5260.0	5259.949275		-9.64	PASS
				1	5260.0	5259.949275		-9.64	PASS
56			0	5280.0	5279.949275	-9.61	PASS		
			1	5280.0	5279.949275	-9.61	PASS		
64			0	5320.0	5319.948551	-9.67	PASS		
			1	5320.0	5319.948551	-9.67	PASS		
100			0	5500.0	5499.947101	-9.62	PASS		
			1	5500.0	5499.947101	-9.62	PASS		
116			0	5580.0	5579.946377	-9.61	PASS		
			1	5580.0	5579.946377	-9.61	PASS		
140			0	5700.0	5699.944928	-9.66	PASS		
			1	5700.0	5699.944928	-9.66	PASS		





	40M	38	0	5190.0	5189.950000	-9.63	PASS
			1	5190.0	5189.950000	-9.63	PASS
		46	0	5230.0	5229.950000	-9.56	PASS
			1	5230.0	5229.950000	-9.56	PASS
		54	0	5270.0	5269.949275	-9.63	PASS
			1	5270.0	5269.949275	-9.63	PASS
		62	0	5310.0	5309.949275	-9.55	PASS
			1	5310.0	5309.949275	-9.55	PASS
		102	0	5510.0	5509.947101	-9.6	PASS
			1	5510.0	5509.947101	-9.6	PASS
	110	0	5550.0	5549.947101	-9.53	PASS	
		1	5550.0	5549.947101	-9.53	PASS	
	134	0	5670.0	5669.945652	-9.59	PASS	
		1	5670.0	5669.945652	-9.59	PASS	
	80M	42	0	5210.0	5209.950725	-9.46	PASS
			1	5210.0	5209.950725	-9.46	PASS
		58	0	5290.0	5289.950000	-9.45	PASS
			1	5290.0	5289.950000	-9.45	PASS
		106	0	5530.0	5529.947826	-9.43	PASS
			1	5530.0	5529.947826	-9.43	PASS
122		0	5610.0	5609.947101	-9.43	PASS	
		1	5610.0	5609.947101	-9.43	PASS	
HT/NV	20M	36	0	5180.0	5179.951449	-9.37	PASS
			1	5180.0	5179.951449	-9.37	PASS
		40	0	5200.0	5199.949275	-9.75	PASS
			1	5200.0	5199.949275	-9.75	PASS
		48	0	5240.0	5239.949275	-9.68	PASS
			1	5240.0	5239.949275	-9.68	PASS
		52	0	5260.0	5259.949275	-9.64	PASS
			1	5260.0	5259.949275	-9.64	PASS
		56	0	5280.0	5279.949275	-9.61	PASS
			1	5280.0	5279.949275	-9.61	PASS
	64	0	5320.0	5319.948551	-9.67	PASS	
		1	5320.0	5319.948551	-9.67	PASS	
	100	0	5500.0	5499.947101	-9.62	PASS	
		1	5500.0	5499.947101	-9.62	PASS	
	116	0	5580.0	5579.946377	-9.61	PASS	
		1	5580.0	5579.946377	-9.61	PASS	
	140	0	5700.0	5699.944928	-9.66	PASS	
		1	5700.0	5699.944928	-9.66	PASS	
	40M	38	0	5190.0	5189.950000	-9.63	PASS
			1	5190.0	5189.950000	-9.63	PASS
46		0	5230.0	5229.950000	-9.56	PASS	
		1	5230.0	5229.950000	-9.56	PASS	
54		0	5270.0	5269.949275	-9.63	PASS	
		1	5270.0	5269.949275	-9.63	PASS	
62		0	5310.0	5309.949275	-9.55	PASS	
		1	5310.0	5309.949275	-9.55	PASS	
102	0	5510.0	5509.947101	-9.6	PASS		
	1	5510.0	5509.947101	-9.6	PASS		
110	0	5550.0	5549.947101	-9.53	PASS		
	1	5550.0	5549.947101	-9.53	PASS		
134	0	5670.0	5669.945652	-9.59	PASS		
	1	5670.0	5669.945652	-9.59	PASS		
80M	42	0	5210.0	5209.950725	-9.46	PASS	
		1	5210.0	5209.950725	-9.46	PASS	
	58	0	5290.0	5289.950000	-9.45	PASS	
		1	5290.0	5289.950000	-9.45	PASS	
	106	0	5530.0	5529.947826	-9.43	PASS	
		1	5530.0	5529.947826	-9.43	PASS	
	122	0	5610.0	5609.947101	-9.43	PASS	
		1	5610.0	5609.947101	-9.43	PASS	
0°C/NV	20M	36	0	5180.0	5179.952174	-9.23	PASS
			1	5180.0	5179.952174	-9.23	PASS

CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China :

<http://yz.cnca.cn>



		40	0	5200.0	5199.949275	-9.75	PASS	
			1	5200.0	5199.950000	-9.62	PASS	
		48	0	5240.0	5239.949275	-9.68	PASS	
			1	5240.0	5239.949275	-9.68	PASS	
		52	0	5260.0	5259.949275	-9.64	PASS	
			1	5260.0	5259.949275	-9.64	PASS	
		56	0	5280.0	5279.949275	-9.61	PASS	
			1	5280.0	5279.948551	-9.74	PASS	
		64	0	5320.0	5319.948551	-9.67	PASS	
			1	5320.0	5319.948551	-9.67	PASS	
		100	0	5500.0	5499.947101	-9.62	PASS	
			1	5500.0	5499.947101	-9.62	PASS	
		116	0	5580.0	5579.946377	-9.61	PASS	
			1	5580.0	5579.946377	-9.61	PASS	
		140	0	5700.0	5699.944928	-9.66	PASS	
			1	5700.0	5699.944928	-9.66	PASS	
		40M	38	0	5190.0	5189.950000	-9.63	PASS
				1	5190.0	5189.950000	-9.63	PASS
	46		0	5230.0	5229.950000	-9.56	PASS	
			1	5230.0	5229.950000	-9.56	PASS	
	54		0	5270.0	5269.949275	-9.63	PASS	
			1	5270.0	5269.949275	-9.63	PASS	
	62		0	5310.0	5309.949275	-9.55	PASS	
			1	5310.0	5309.949275	-9.55	PASS	
	102		0	5510.0	5509.947101	-9.6	PASS	
			1	5510.0	5509.947101	-9.6	PASS	
	110		0	5550.0	5549.947101	-9.53	PASS	
			1	5550.0	5549.947101	-9.53	PASS	
	134		0	5670.0	5669.945652	-9.59	PASS	
			1	5670.0	5669.945652	-9.59	PASS	
	80M		42	0	5210.0	5209.950725	-9.46	PASS
				1	5210.0	5209.950725	-9.46	PASS
			58	0	5290.0	5289.950000	-9.45	PASS
				1	5290.0	5289.950000	-9.45	PASS
		106	0	5530.0	5529.947826	-9.43	PASS	
			1	5530.0	5529.947826	-9.43	PASS	
122	0	5610.0	5609.947101	-9.43	PASS			
	1	5610.0	5609.947101	-9.43	PASS			
10°C/NV	20M	36	0	5180.0	5179.952174	-9.23	PASS	
			1	5180.0	5179.952174	-9.23	PASS	
		40	0	5200.0	5199.950000	-9.62	PASS	
			1	5200.0	5199.950000	-9.62	PASS	
		48	0	5240.0	5239.949275	-9.68	PASS	
			1	5240.0	5239.949275	-9.68	PASS	
		52	0	5260.0	5259.949275	-9.64	PASS	
			1	5260.0	5259.948551	-9.78	PASS	
		56	0	5280.0	5279.948551	-9.74	PASS	
			1	5280.0	5279.949275	-9.61	PASS	
		64	0	5320.0	5319.948551	-9.67	PASS	
			1	5320.0	5319.948551	-9.67	PASS	
		100	0	5500.0	5499.947101	-9.62	PASS	
			1	5500.0	5499.947101	-9.62	PASS	
		116	0	5580.0	5579.946377	-9.61	PASS	
			1	5580.0	5579.946377	-9.61	PASS	
		140	0	5700.0	5699.944928	-9.66	PASS	
			1	5700.0	5699.944928	-9.66	PASS	
	40M	38	0	5190.0	5189.950000	-9.63	PASS	
			1	5190.0	5189.950000	-9.63	PASS	
		46	0	5230.0	5229.950000	-9.56	PASS	
			1	5230.0	5229.950000	-9.56	PASS	
		54	0	5270.0	5269.949275	-9.63	PASS	
			1	5270.0	5269.949275	-9.63	PASS	
	62	0	5310.0	5309.949275	-9.55	PASS		
		1	5310.0	5309.949275	-9.55	PASS		

CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, 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 Certification and Accreditation Administration of the People's Republic of China :

<http://yz.cnca.cn>



		102	0	5510.0	5509.947101	-9.6	PASS	
			1	5510.0	5509.947101	-9.6	PASS	
		110	0	5550.0	5549.947101	-9.53	PASS	
			1	5550.0	5549.947101	-9.53	PASS	
		134	0	5670.0	5669.945652	-9.59	PASS	
			1	5670.0	5669.945652	-9.59	PASS	
		80M	42	0	5210.0	5209.950725	-9.46	PASS
				1	5210.0	5209.950725	-9.46	PASS
	58		0	5290.0	5289.950000	-9.45	PASS	
			1	5290.0	5289.950000	-9.45	PASS	
	106		0	5530.0	5529.947826	-9.43	PASS	
			1	5530.0	5529.947826	-9.43	PASS	
	122		0	5610.0	5609.947101	-9.43	PASS	
			1	5610.0	5609.947101	-9.43	PASS	
	20°C/NV	20M	36	0	5180.0	5179.952174	-9.23	PASS
				1	5180.0	5179.952174	-9.23	PASS
40			0	5200.0	5199.950725	-9.48	PASS	
			1	5200.0	5199.950725	-9.48	PASS	
48			0	5240.0	5239.949275	-9.68	PASS	
			1	5240.0	5239.949275	-9.68	PASS	
52			0	5260.0	5259.948551	-9.78	PASS	
			1	5260.0	5259.948551	-9.78	PASS	
56			0	5280.0	5279.948551	-9.74	PASS	
			1	5280.0	5279.949275	-9.61	PASS	
64			0	5320.0	5319.948551	-9.67	PASS	
			1	5320.0	5319.948551	-9.67	PASS	
100			0	5500.0	5499.947101	-9.62	PASS	
			1	5500.0	5499.947101	-9.62	PASS	
116			0	5580.0	5579.946377	-9.61	PASS	
			1	5580.0	5579.946377	-9.61	PASS	
140		0	5700.0	5699.944928	-9.66	PASS		
		1	5700.0	5699.944928	-9.66	PASS		
40M		38	0	5190.0	5189.950000	-9.63	PASS	
			1	5190.0	5189.950000	-9.63	PASS	
		46	0	5230.0	5229.950000	-9.56	PASS	
			1	5230.0	5229.950000	-9.56	PASS	
		54	0	5270.0	5269.949275	-9.63	PASS	
			1	5270.0	5269.949275	-9.63	PASS	
		62	0	5310.0	5309.949275	-9.55	PASS	
			1	5310.0	5309.949275	-9.55	PASS	
		102	0	5510.0	5509.947101	-9.6	PASS	
			1	5510.0	5509.947101	-9.6	PASS	
		110	0	5550.0	5549.947101	-9.53	PASS	
			1	5550.0	5549.947101	-9.53	PASS	
134		0	5670.0	5669.945652	-9.59	PASS		
		1	5670.0	5669.945652	-9.59	PASS		
80M		42	0	5210.0	5209.950725	-9.46	PASS	
			1	5210.0	5209.950725	-9.46	PASS	
		58	0	5290.0	5289.950000	-9.45	PASS	
			1	5290.0	5289.950000	-9.45	PASS	
		106	0	5530.0	5529.947826	-9.43	PASS	
			1	5530.0	5529.947826	-9.43	PASS	
		122	0	5610.0	5609.947101	-9.43	PASS	
			1	5610.0	5609.947101	-9.43	PASS	
30°C/NV		20M	36	0	5180.0	5179.952174	-9.23	PASS
				1	5180.0	5179.952174	-9.23	PASS
			40	0	5200.0	5199.950725	-9.48	PASS
				1	5200.0	5199.950725	-9.48	PASS
			48	0	5240.0	5239.949275	-9.68	PASS
				1	5240.0	5239.949275	-9.68	PASS
			52	0	5260.0	5259.948551	-9.78	PASS
				1	5260.0	5259.948551	-9.78	PASS
	56	0	5280.0	5279.948551	-9.74	PASS		
		1	5280.0	5279.948551	-9.74	PASS		

CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, 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 Certification and Accreditation Administration of the People's Republic of China :

<http://yz.cnca.cn>



	40M	64	0	5320.0	5319.948551	-9.67	PASS	
			1	5320.0	5319.948551	-9.67	PASS	
		100	0	5500.0	5499.947101	-9.62	PASS	
			1	5500.0	5499.947101	-9.62	PASS	
		116	0	5580.0	5579.946377	-9.61	PASS	
			1	5580.0	5579.946377	-9.61	PASS	
		140	0	5700.0	5699.944928	-9.66	PASS	
			1	5700.0	5699.944928	-9.66	PASS	
		80M	38	0	5190.0	5189.950000	-9.63	PASS
				1	5190.0	5189.950000	-9.63	PASS
			46	0	5230.0	5229.950000	-9.56	PASS
				1	5230.0	5229.950000	-9.56	PASS
	54		0	5270.0	5269.949275	-9.63	PASS	
			1	5270.0	5269.949275	-9.63	PASS	
	62		0	5310.0	5309.949275	-9.55	PASS	
			1	5310.0	5309.949275	-9.55	PASS	
	102		0	5510.0	5509.947826	-9.47	PASS	
			1	5510.0	5509.947826	-9.47	PASS	
	110		0	5550.0	5549.947101	-9.53	PASS	
			1	5550.0	5549.947101	-9.53	PASS	
	134	0	5670.0	5669.945652	-9.59	PASS		
		1	5670.0	5669.945652	-9.59	PASS		
	20M	42	0	5210.0	5209.950725	-9.46	PASS	
			1	5210.0	5209.950725	-9.46	PASS	
		58	0	5290.0	5289.950000	-9.45	PASS	
			1	5290.0	5289.950000	-9.45	PASS	
		106	0	5530.0	5529.947826	-9.43	PASS	
			1	5530.0	5529.947826	-9.43	PASS	
	122	0	5610.0	5609.947101	-9.43	PASS		
		1	5610.0	5609.947101	-9.43	PASS		
	40°C/NV	20M	36	0	5180.0	5179.952174	-9.23	PASS
				1	5180.0	5179.952174	-9.23	PASS
			40	0	5200.0	5199.950725	-9.48	PASS
				1	5200.0	5199.951449	-9.34	PASS
			48	0	5240.0	5239.949275	-9.68	PASS
				1	5240.0	5239.949275	-9.68	PASS
			52	0	5260.0	5259.948551	-9.78	PASS
				1	5260.0	5259.948551	-9.78	PASS
			56	0	5280.0	5279.948551	-9.74	PASS
				1	5280.0	5279.948551	-9.74	PASS
			64	0	5320.0	5319.948551	-9.67	PASS
				1	5320.0	5319.948551	-9.67	PASS
		100	0	5500.0	5499.947101	-9.62	PASS	
			1	5500.0	5499.947101	-9.62	PASS	
		116	0	5580.0	5579.946377	-9.61	PASS	
			1	5580.0	5579.946377	-9.61	PASS	
		140	0	5700.0	5699.944928	-9.66	PASS	
			1	5700.0	5699.944928	-9.66	PASS	
40M		38	0	5190.0	5189.950000	-9.63	PASS	
			1	5190.0	5189.950000	-9.63	PASS	
		46	0	5230.0	5229.950000	-9.56	PASS	
			1	5230.0	5229.950000	-9.56	PASS	
		54	0	5270.0	5269.949275	-9.63	PASS	
			1	5270.0	5269.949275	-9.63	PASS	
	62	0	5310.0	5309.949275	-9.55	PASS		
		1	5310.0	5309.949275	-9.55	PASS		
	102	0	5510.0	5509.947101	-9.6	PASS		
		1	5510.0	5509.947826	-9.47	PASS		
	110	0	5550.0	5549.947101	-9.53	PASS		
		1	5550.0	5549.947101	-9.53	PASS		
134	0	5670.0	5669.945652	-9.59	PASS			
	1	5670.0	5669.945652	-9.59	PASS			
80M	42	0	5210.0	5209.950725	-9.46	PASS		
		1	5210.0	5209.950725	-9.46	PASS		

CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, 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 Certification and Accreditation Administration of the People's Republic of China :

<http://yz.cnca.cn>

		58	0	5290.0	5289.950000	-9.45	PASS		
			1	5290.0	5289.950000	-9.45	PASS		
		106	0	5530.0	5529.947826	-9.43	PASS		
			1	5530.0	5529.947826	-9.43	PASS		
		122	0	5610.0	5609.947101	-9.43	PASS		
			1	5610.0	5609.947101	-9.43	PASS		
		45°C/NV	20M	36	0	5180.0	5179.952174	-9.23	PASS
					1	5180.0	5179.952174	-9.23	PASS
				40	0	5200.0	5199.951449	-9.34	PASS
					1	5200.0	5199.951449	-9.34	PASS
				48	0	5240.0	5239.949275	-9.68	PASS
					1	5240.0	5239.949275	-9.68	PASS
				52	0	5260.0	5259.948551	-9.78	PASS
					1	5260.0	5259.948551	-9.78	PASS
56	0			5280.0	5279.948551	-9.74	PASS		
	1			5280.0	5279.948551	-9.74	PASS		
64	0			5320.0	5319.948551	-9.67	PASS		
	1			5320.0	5319.948551	-9.67	PASS		
100	0			5500.0	5499.947101	-9.62	PASS		
	1			5500.0	5499.947101	-9.62	PASS		
116	0		5580.0	5579.946377	-9.61	PASS			
	1		5580.0	5579.946377	-9.61	PASS			
140	0		5700.0	5699.944928	-9.66	PASS			
	1		5700.0	5699.944928	-9.66	PASS			
40M	38		0	5190.0	5189.950000	-9.63	PASS		
			1	5190.0	5189.950000	-9.63	PASS		
	46		0	5230.0	5229.950000	-9.56	PASS		
			1	5230.0	5229.950000	-9.56	PASS		
	54		0	5270.0	5269.949275	-9.63	PASS		
			1	5270.0	5269.949275	-9.63	PASS		
	62		0	5310.0	5309.949275	-9.55	PASS		
			1	5310.0	5309.949275	-9.55	PASS		
	102		0	5510.0	5509.947101	-9.6	PASS		
			1	5510.0	5509.947826	-9.47	PASS		
110	0	5550.0	5549.947101	-9.53	PASS				
	1	5550.0	5549.947101	-9.53	PASS				
134	0	5670.0	5669.945652	-9.59	PASS				
	1	5670.0	5669.945652	-9.59	PASS				
80M	42	0	5210.0	5209.950725	-9.46	PASS			
		1	5210.0	5209.950725	-9.46	PASS			
	58	0	5290.0	5289.950000	-9.45	PASS			
		1	5290.0	5289.950000	-9.45	PASS			
	106	0	5530.0	5529.947826	-9.43	PASS			
		1	5530.0	5529.947826	-9.43	PASS			
	122	0	5610.0	5609.947101	-9.43	PASS			
		1	5610.0	5609.947101	-9.43	PASS			



Condition	Mode	Ch.	Antenna	Center Frequency (MHz)	Calculated Value of Center Frequency(MHz)	Result (ppm)	Limit (ppm)	State		
NT/NV	20M	149	0	5745.0	5744.944928	-9.59	±20	PASS		
			1	5745.0	5744.944203	-9.71		PASS		
		157	0	5785.0	5784.944203	-9.65		PASS		
			1	5785.0	5784.944203	-9.65		PASS		
		165	0	5825.0	5824.944203	-9.58		PASS		
			1	5825.0	5824.944203	-9.58		PASS		
	40M	151	0	5755.0	5754.945652	-9.44		PASS		
			1	5755.0	5754.945652	-9.44		PASS		
		159	0	5795.0	5794.944928	-9.5		PASS		
			1	5795.0	5794.944928	-9.5		PASS		
	80M	155	0	5775.0	5774.946105	-9.33		PASS		
			1	5775.0	5774.946067	-9.34		PASS		
	LT/NV	20M	149	0	5745.0	5744.944203		-9.71	±20	PASS
				1	5745.0	5744.944203		-9.71		PASS
157			0	5785.0	5784.944203	-9.65	PASS			
			1	5785.0	5784.944203	-9.65	PASS			
165			0	5825.0	5824.944203	-9.58	PASS			
			1	5825.0	5824.944203	-9.58	PASS			
40M		151	0	5755.0	5754.945652	-9.44	PASS			
			1	5755.0	5754.945652	-9.44	PASS			
		159	0	5795.0	5794.944928	-9.5	PASS			
			1	5795.0	5794.944928	-9.5	PASS			
80M		155	0	5775.0	5774.945880	-9.37	PASS			
			1	5775.0	5774.945855	-9.38	PASS			
HT/NV		20M	149	0	5745.0	5744.944928	-9.59	±20		PASS
				1	5745.0	5744.944203	-9.71			PASS
	157		0	5785.0	5784.944203	-9.65	PASS			
			1	5785.0	5784.944203	-9.65	PASS			
	165		0	5825.0	5824.944203	-9.58	PASS			
			1	5825.0	5824.944203	-9.58	PASS			
	40M	151	0	5755.0	5754.944928	-9.57	PASS			
			1	5755.0	5754.944928	-9.57	PASS			
		159	0	5795.0	5794.944928	-9.5	PASS			
			1	5795.0	5794.944928	-9.5	PASS			
	80M	155	0	5775.0	5774.945652	-9.41	PASS			
			1	5775.0	5774.945652	-9.41	PASS			
	0°C/NV	20M	149	0	5745.0	5744.944928	-9.59		±20	PASS
				1	5745.0	5744.944928	-9.59			PASS
157			0	5785.0	5784.944203	-9.65	PASS			
			1	5785.0	5784.944203	-9.65	PASS			
165			0	5825.0	5824.943478	-9.7	PASS			
			1	5825.0	5824.944203	-9.58	PASS			
40M		151	0	5755.0	5754.944928	-9.57	PASS			
			1	5755.0	5754.944928	-9.57	PASS			
		159	0	5795.0	5794.944928	-9.5	PASS			
			1	5795.0	5794.944928	-9.5	PASS			
80M		155	0	5775.0	5774.945652	-9.41	PASS			
			1	5775.0	5774.945652	-9.41	PASS			
10°C/NV		20M	149	0	5745.0	5744.944928	-9.59	±20		PASS
				1	5745.0	5744.944928	-9.59			PASS
	157		0	5785.0	5784.944203	-9.65	PASS			
			1	5785.0	5784.944203	-9.65	PASS			
	165		0	5825.0	5824.943478	-9.7	PASS			
			1	5825.0	5824.944203	-9.58	PASS			
	40M	151	0	5755.0	5754.945652	-9.44	PASS			
			1	5755.0	5754.944928	-9.57	PASS			
		159	0	5795.0	5794.944928	-9.5	PASS			
			1	5795.0	5794.944928	-9.5	PASS			
	80M	155	0	5775.0	5774.945652	-9.41	PASS			
			1	5775.0	5774.945652	-9.41	PASS			
	20°C/NV	20M	149	0	5745.0	5744.944928	-9.59		±20	PASS

CTC Laboratories, Inc.

2/F., Building 1 and 1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Longhua District, Shenzhen, Guangdong, China

Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn



For anti-fake verification, please visit the official website of Certification and Accreditation Administration of the People's Republic of China :

<http://yz.cnca.cn>



	40M	157	1	5745.0	5744.944928	-9.59	PASS
			0	5785.0	5784.944203	-9.65	PASS
		165	1	5785.0	5784.944203	-9.65	PASS
			0	5825.0	5824.944203	-9.58	PASS
		151	1	5825.0	5824.944203	-9.58	PASS
			0	5755.0	5754.945652	-9.44	PASS
	80M	159	1	5755.0	5754.944928	-9.57	PASS
			0	5795.0	5794.944928	-9.5	PASS
		155	1	5795.0	5794.944928	-9.5	PASS
			0	5775.0	5774.945652	-9.41	PASS
		155	1	5775.0	5774.945652	-9.41	PASS
			0	5775.0	5774.945652	-9.41	PASS
30°C/NV	20M	149	0	5745.0	5744.944928	-9.59	PASS
			1	5745.0	5744.944928	-9.59	PASS
		157	0	5785.0	5784.944203	-9.65	PASS
			1	5785.0	5784.944203	-9.65	PASS
		165	0	5825.0	5824.944203	-9.58	PASS
			1	5825.0	5824.944203	-9.58	PASS
	40M	151	0	5755.0	5754.944928	-9.57	PASS
			1	5755.0	5754.944928	-9.57	PASS
		159	0	5795.0	5794.944928	-9.5	PASS
			1	5795.0	5794.944928	-9.5	PASS
		155	0	5775.0	5774.945652	-9.41	PASS
			1	5775.0	5774.945652	-9.41	PASS
40°C/NV	20M	149	0	5745.0	5744.944928	-9.59	PASS
			1	5745.0	5744.944203	-9.71	PASS
		157	0	5785.0	5784.944203	-9.65	PASS
			1	5785.0	5784.944203	-9.65	PASS
		165	0	5825.0	5824.944203	-9.58	PASS
			1	5825.0	5824.944203	-9.58	PASS
	40M	151	0	5755.0	5754.944928	-9.57	PASS
			1	5755.0	5754.944928	-9.57	PASS
		159	0	5795.0	5794.944928	-9.5	PASS
			1	5795.0	5794.944928	-9.5	PASS
		155	0	5775.0	5774.945652	-9.41	PASS
			1	5775.0	5774.945652	-9.41	PASS
45°C/NV	20M	149	0	5745.0	5744.944203	-9.71	PASS
			1	5745.0	5744.944203	-9.71	PASS
		157	0	5785.0	5784.944203	-9.65	PASS
			1	5785.0	5784.944203	-9.65	PASS
		165	0	5825.0	5824.944203	-9.58	PASS
			1	5825.0	5824.944203	-9.58	PASS
	40M	151	0	5755.0	5754.944928	-9.57	PASS
			1	5755.0	5754.944928	-9.57	PASS
		159	0	5795.0	5794.944928	-9.5	PASS
			1	5795.0	5794.944928	-9.5	PASS
		155	0	5775.0	5774.945652	-9.41	PASS
			1	5775.0	5774.945652	-9.41	PASS

### 3.8. Antenna Requirement

#### Requirement

##### **FCC CFR Title 47 Part 15 Subpart C Section 15.203**

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

#### Test Result

The directional gain of the antenna is less than 6dBi, please refer to the EUT internal photographs antenna photo.