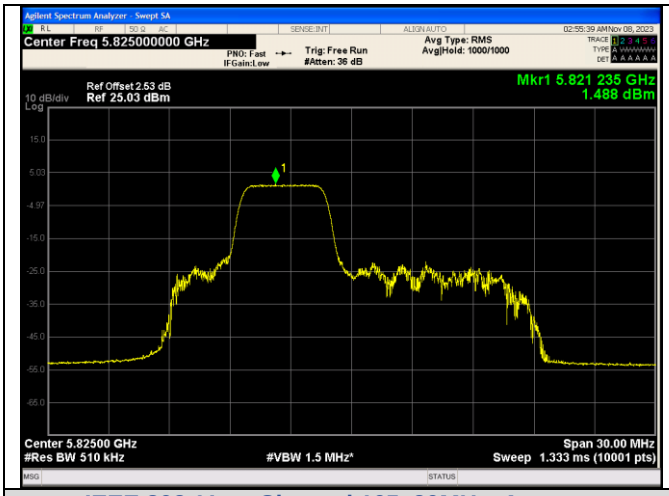
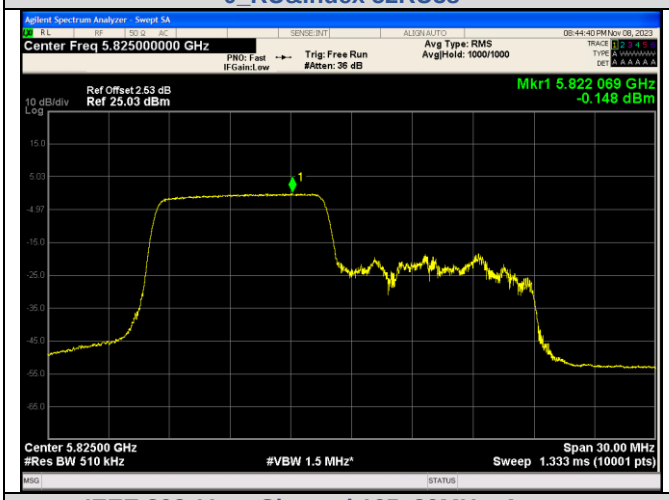


IEEE 802.11ax_Channel 165_20MHz_Antenna 0_RU&Index 52RU38

IEEE 802.11ax_Channel 165_20MHz_Antenna 1_RU&Index 52RU38



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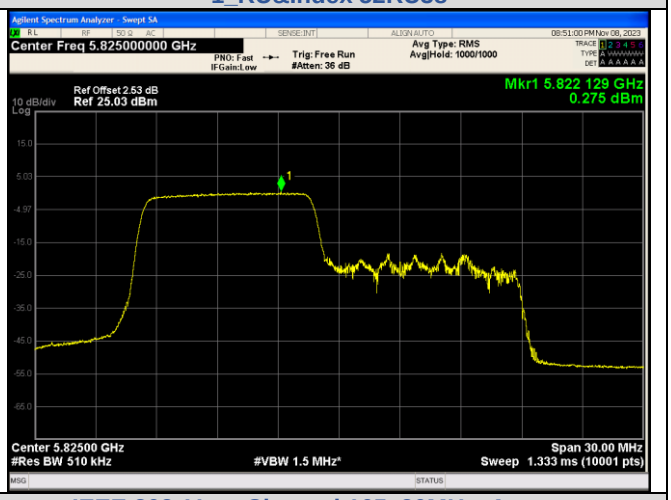
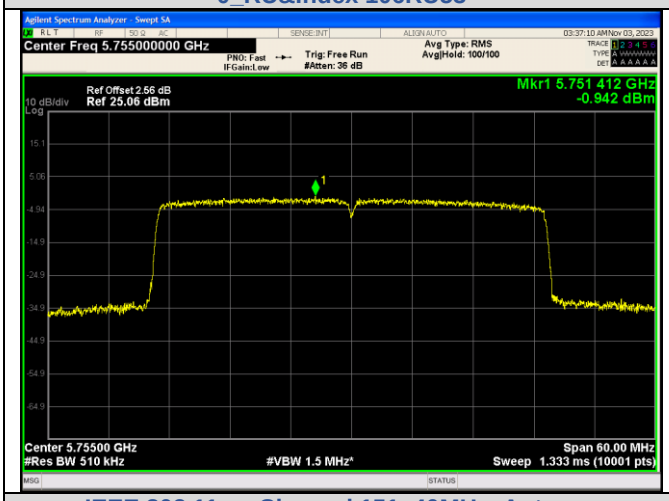
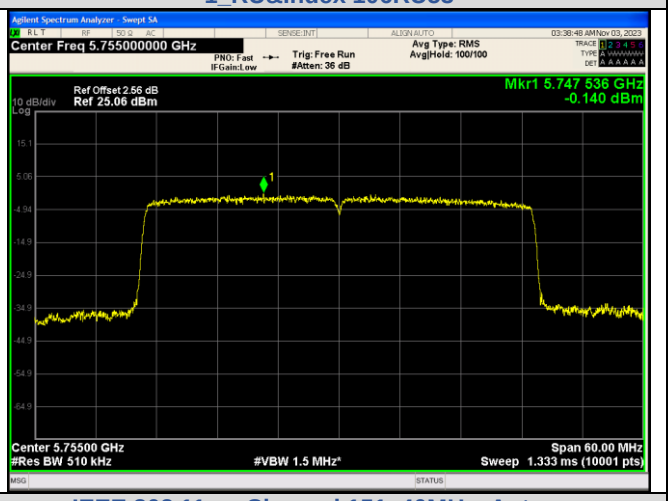


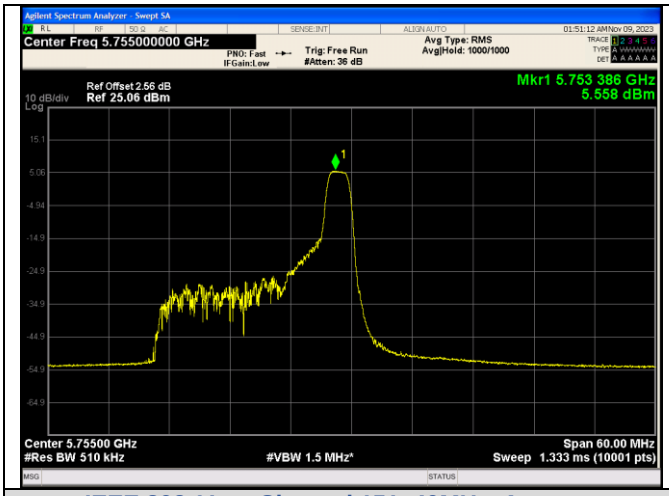
IEEE 802.11ax_Channel 165_20MHz_Antenna 1_RU&Index 106RU53



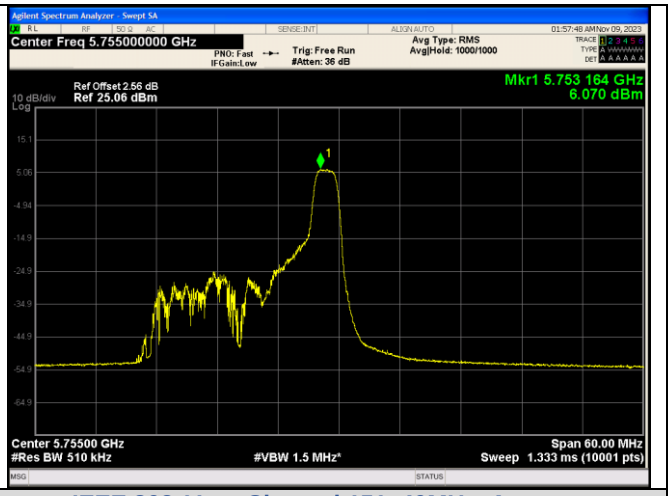
IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index 484RU65



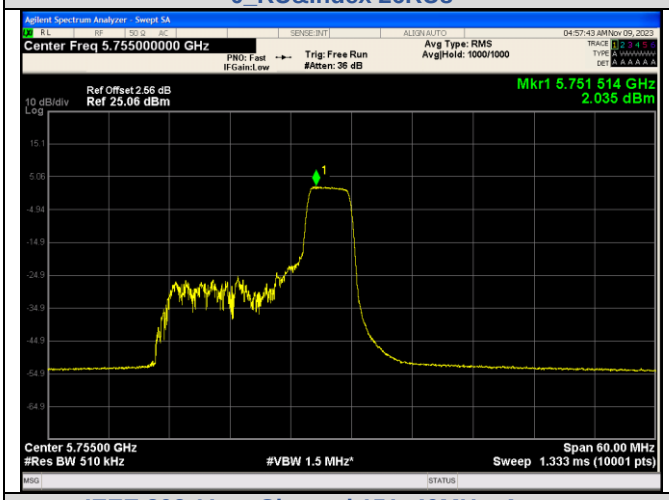
IEEE 802.11ax_Channel 151_40MHz_Antenna 1_RU&Index 484RU65



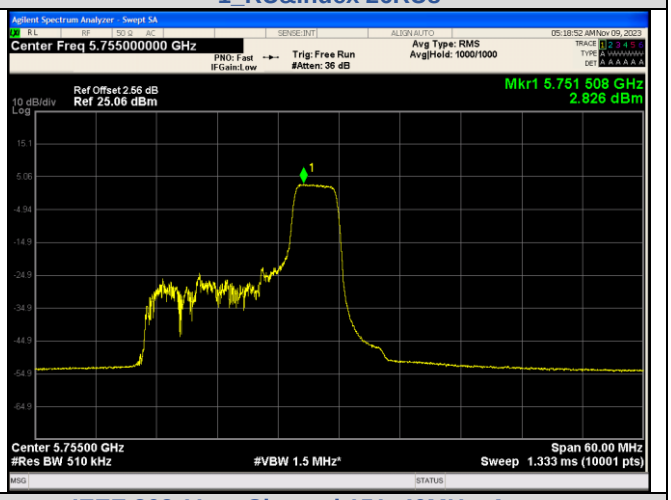
IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index 26RU8



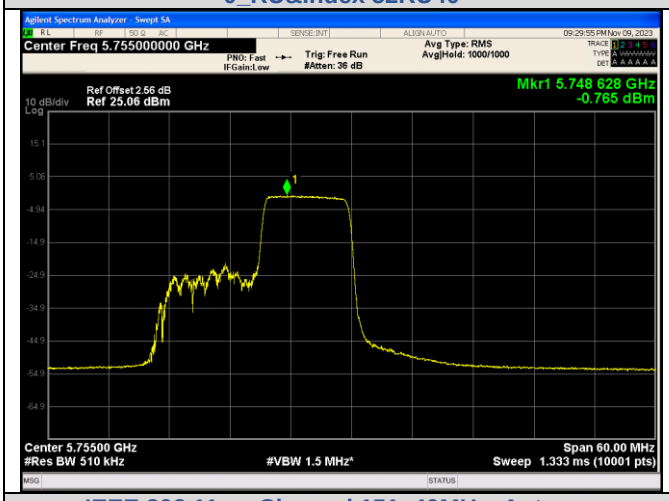
IEEE 802.11ax_Channel 151_40MHz_Antenna 1_RU&Index 26RU8



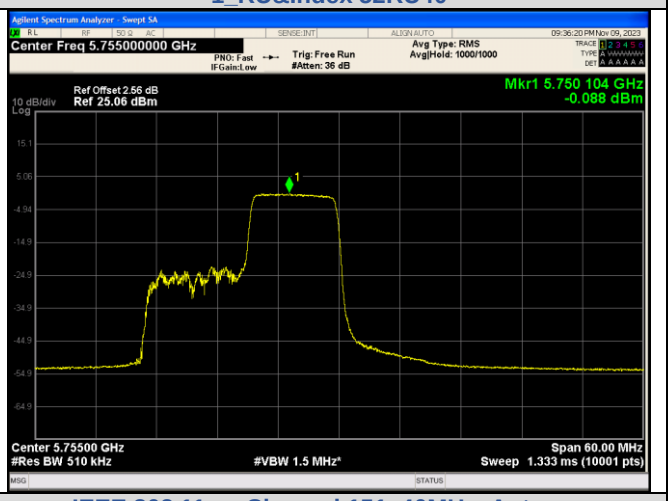
IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index 52RU40



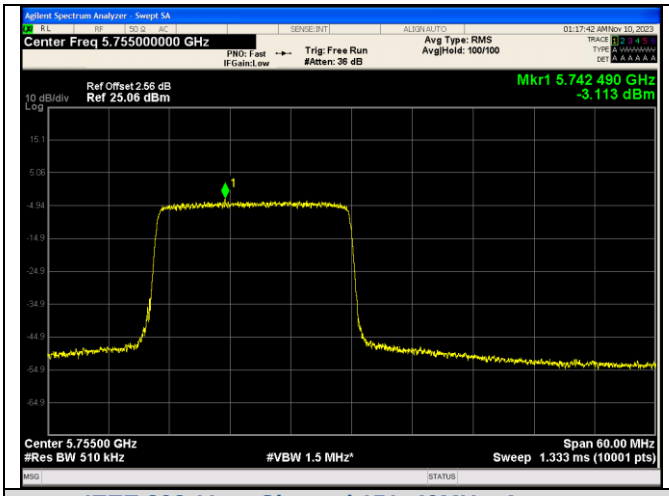
IEEE 802.11ax_Channel 151_40MHz_Antenna 1_RU&Index 52RU40



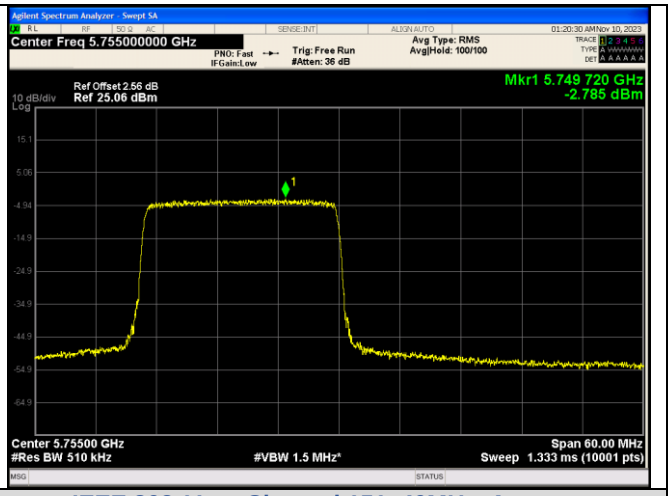
IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index 106RU54



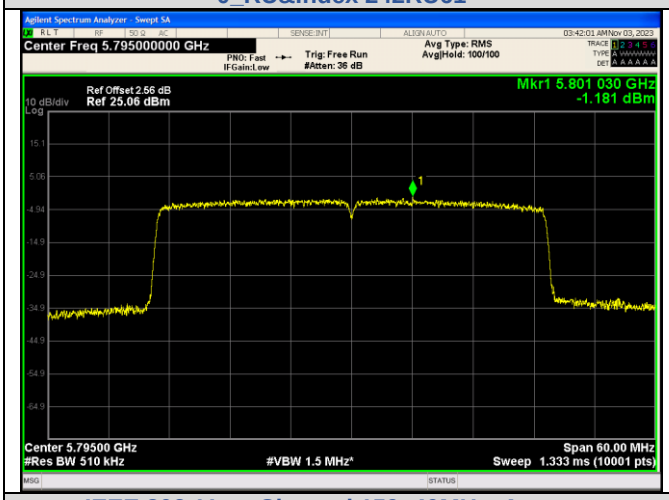
IEEE 802.11ax_Channel 151_40MHz_Antenna 1_RU&Index 106RU54



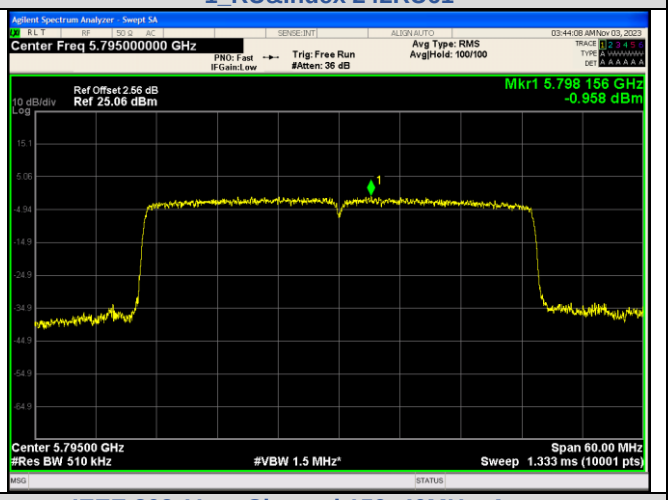
IEEE 802.11ax_Channel 151_40MHz_Antenna 0_RU&Index 242RU61



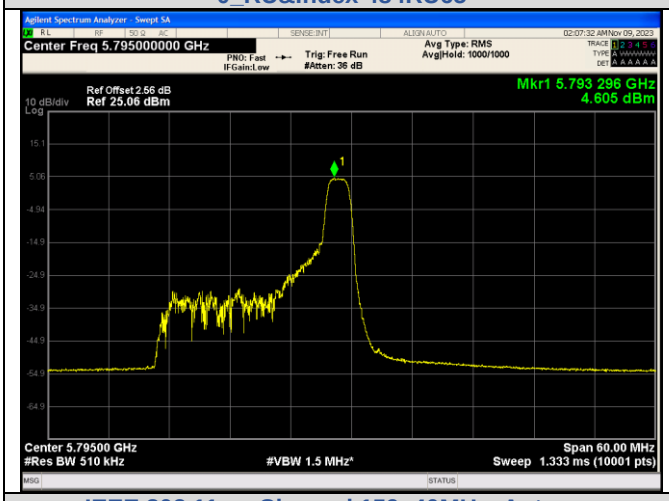
IEEE 802.11ax_Channel 151_40MHz_Antenna 1_RU&Index 242RU61



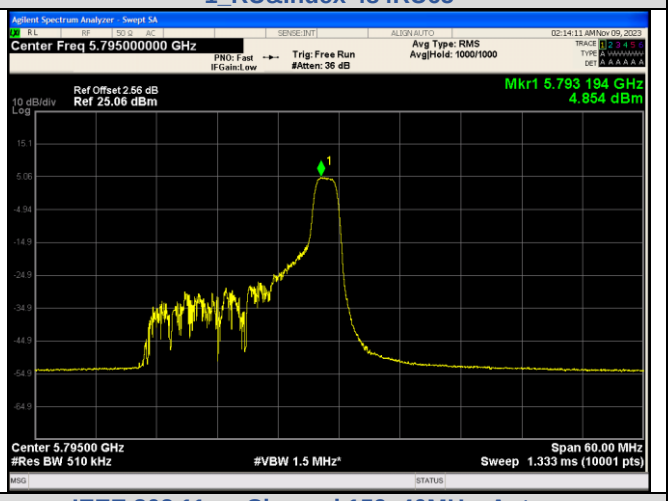
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index 484RU65



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

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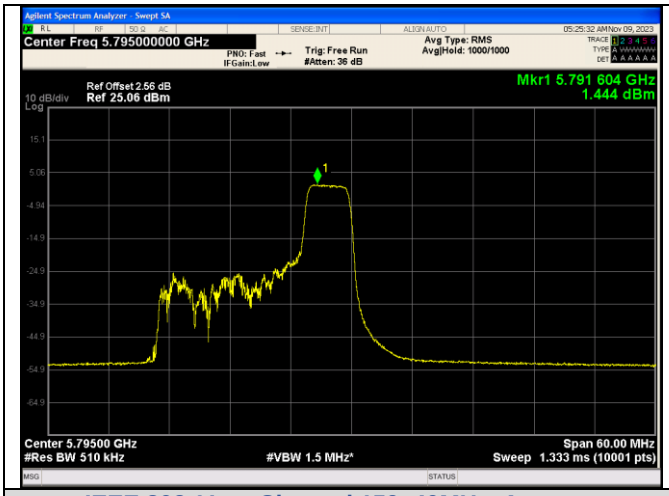
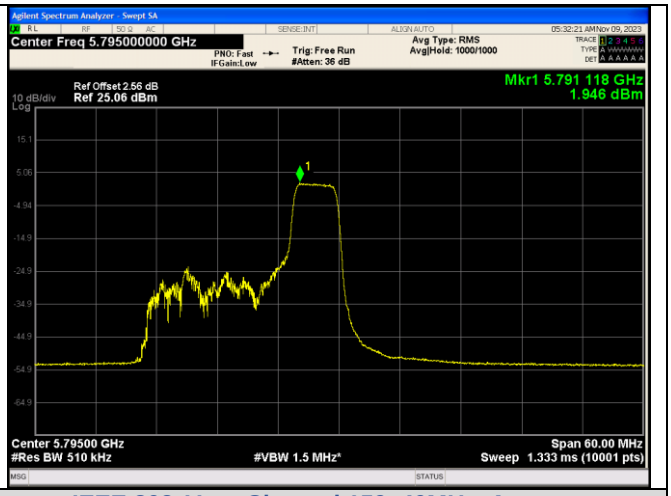
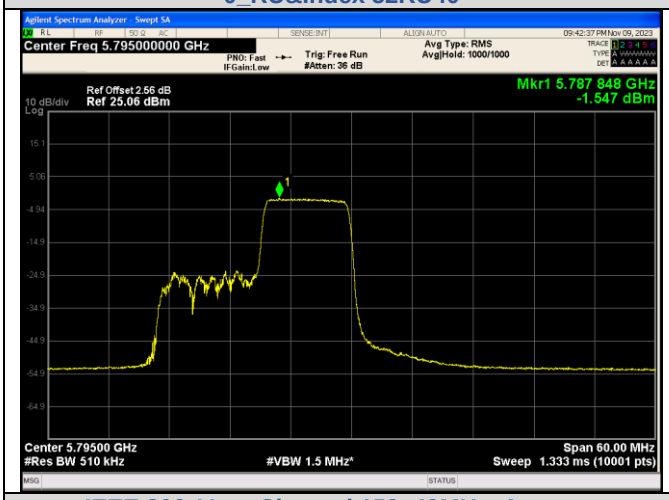
http://yz.cnca.cn



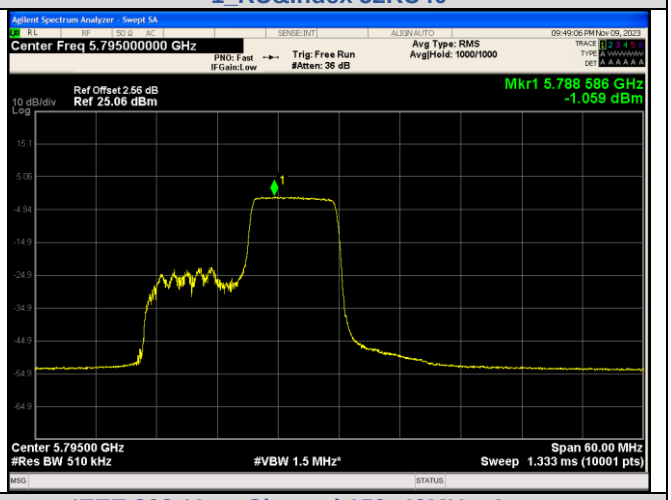
IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index 52RU40



IEEE 802.11ax_Channel 159_40MHz_Antenna 1_RU&Index 52RU40



IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index 106RU54



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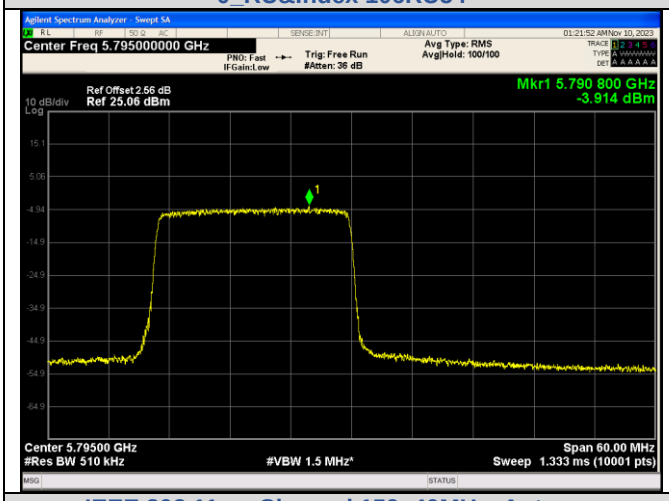
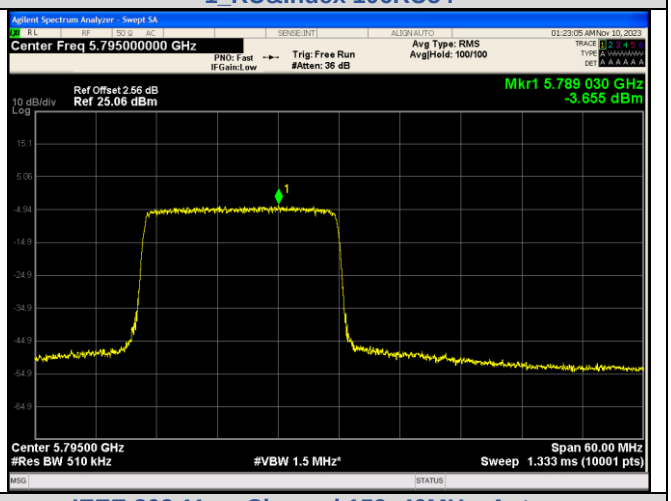
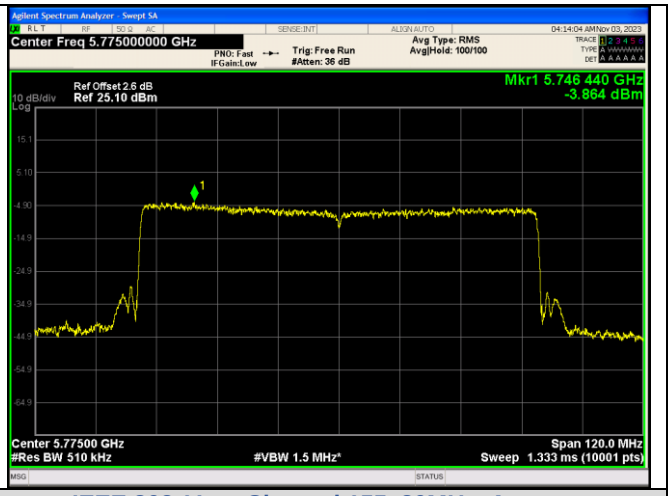


IEEE 802.11ax_Channel 159_40MHz_Antenna 0_RU&Index 242RU61

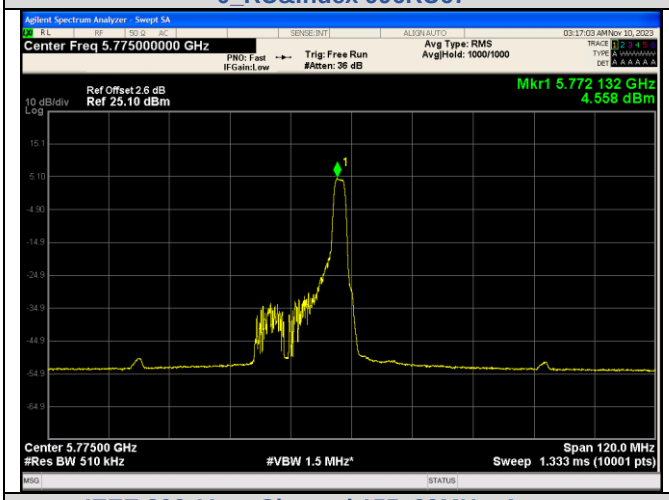


IEEE 802.11ax_Channel 159_40MHz_Antenna 1_RU&Index 242RU61

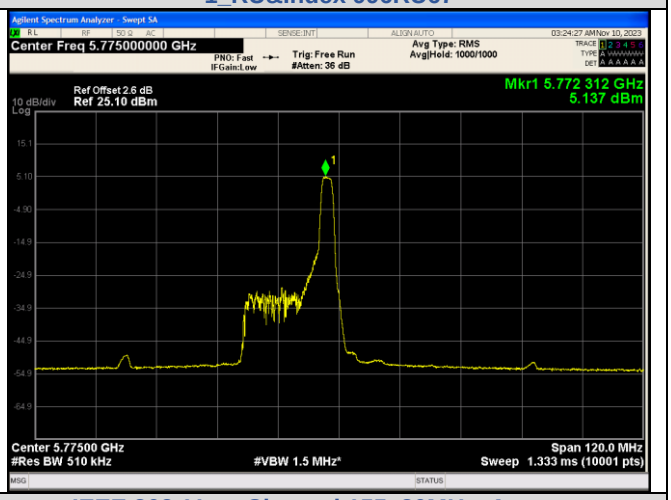
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index 996RU67



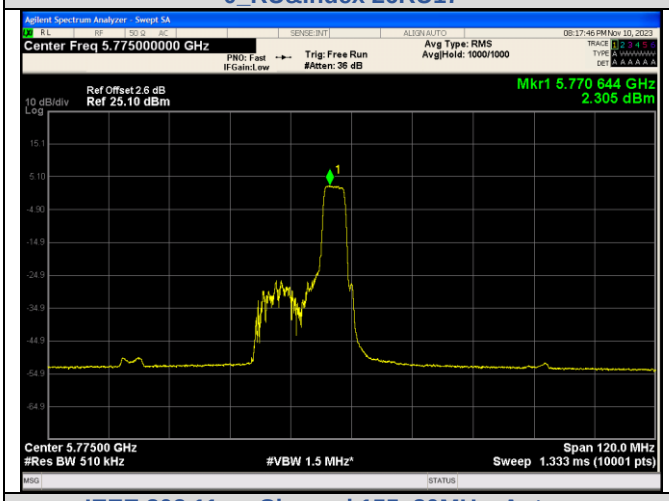
IEEE 802.11ax_Channel 155_80MHz_Antenna 1_RU&Index 996RU67



IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index 26RU17



IEEE 802.11ax_Channel 155_80MHz_Antenna 1_RU&Index 26RU17



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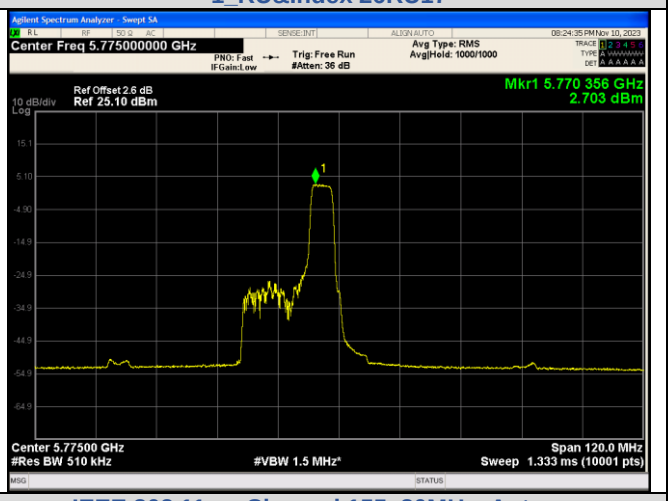
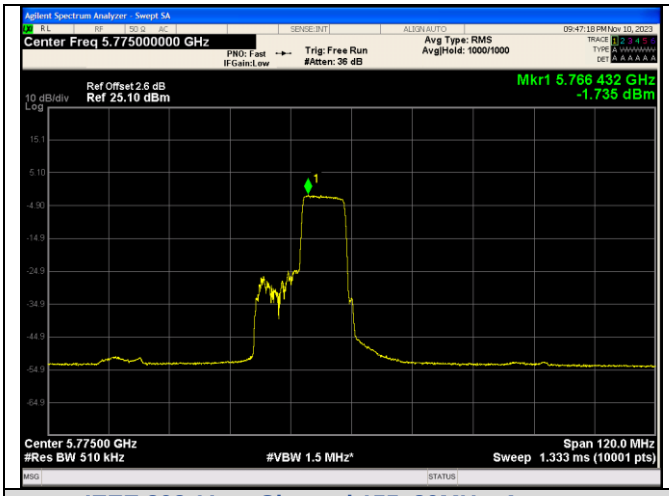
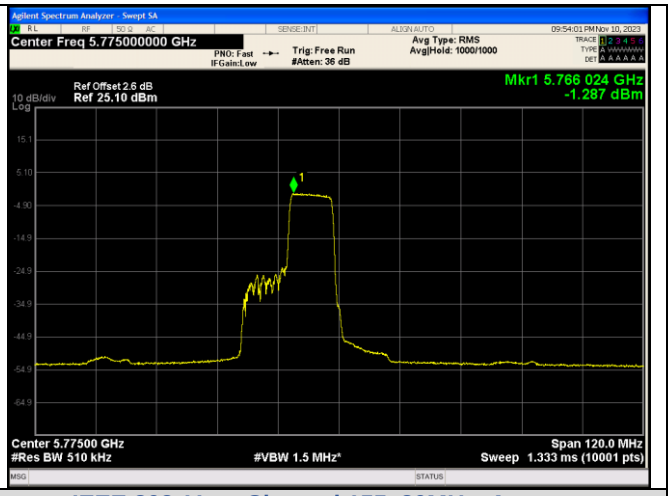


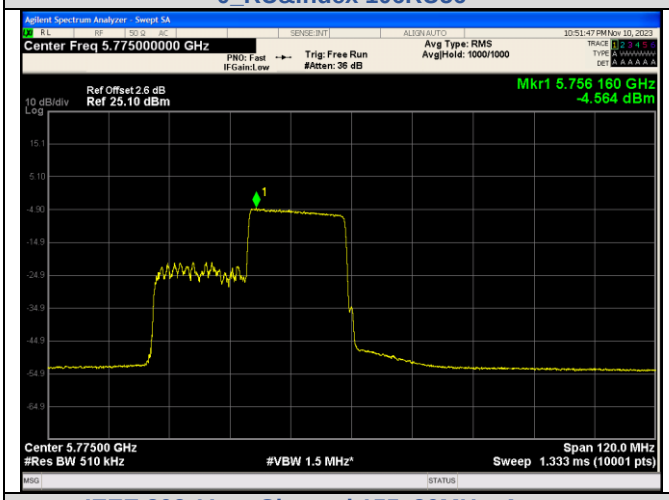
IEEE 802.11ax_Channel 155_80MHz_Antenna 1_RU&Index 52RU44



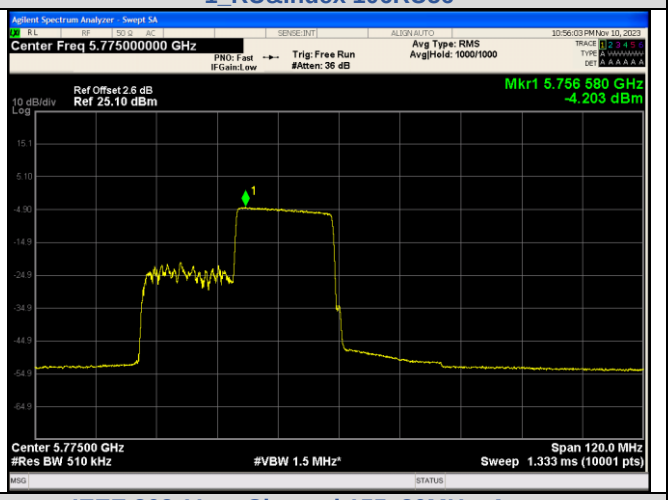
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index 106RU56



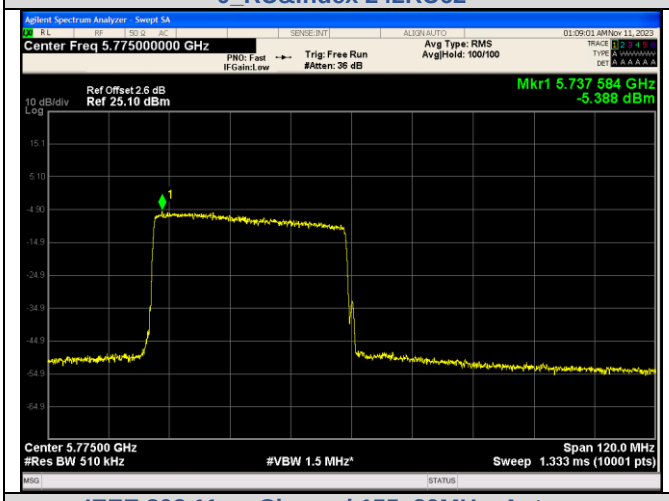
IEEE 802.11ax_Channel 155_80MHz_Antenna 1_RU&Index 106RU56



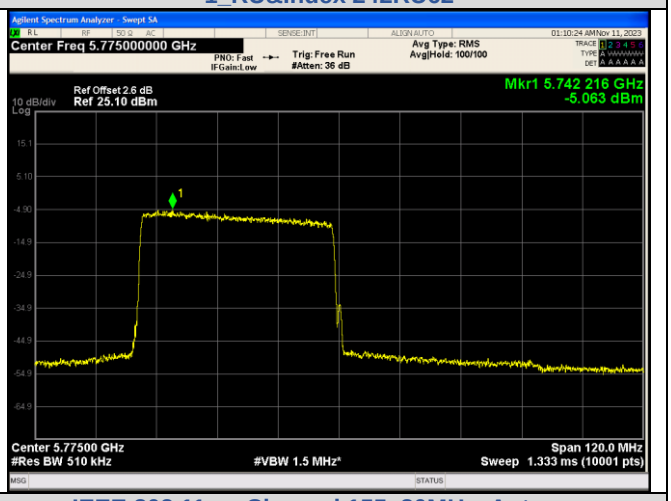
IEEE 802.11ax_Channel 155_80MHz_Antenna 0_RU&Index 242RU62



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

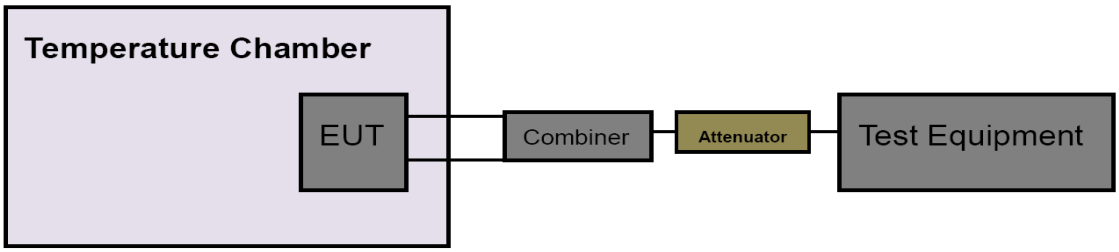
3.7. Frequency Stability

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 ±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℃~45℃

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℃/NV	20M	36	0	5180.0	5179.952174	-9.23		PASS
			1	5180.0	5179.952174	-9.23		PASS

		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℃/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

		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℃/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℃/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

		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	5509.947826	-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
	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
40℃/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

		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℃/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		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		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℃/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	5824.943478	-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℃/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	5824.943478	-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℃/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	5754.945652	-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
30℃/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
	80M	155	0	5775.0	5774.945652	-9.41		PASS
			1	5775.0	5774.945652	-9.41		PASS
40℃/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
	80M	155	0	5775.0	5774.945652	-9.41		PASS
			1	5775.0	5774.945652	-9.41		PASS
45℃/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
	80M	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.