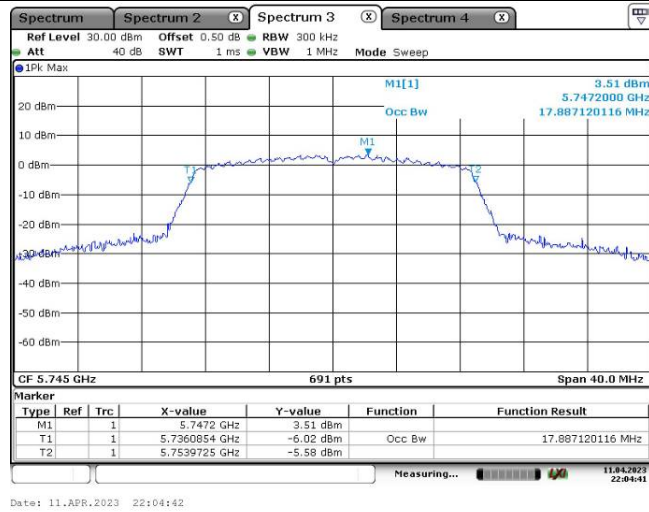
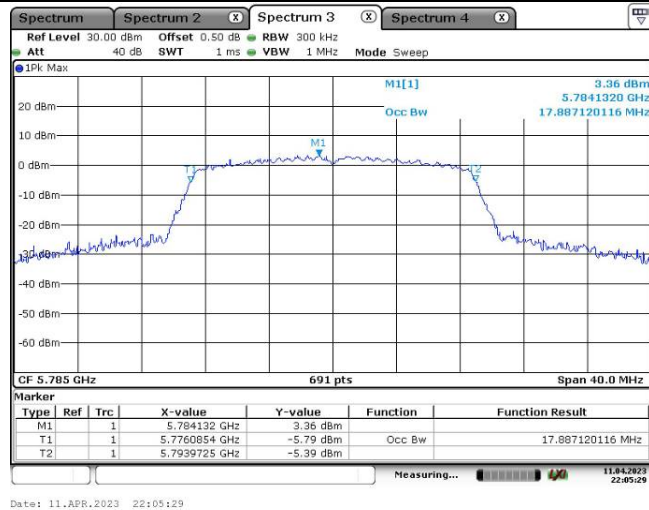
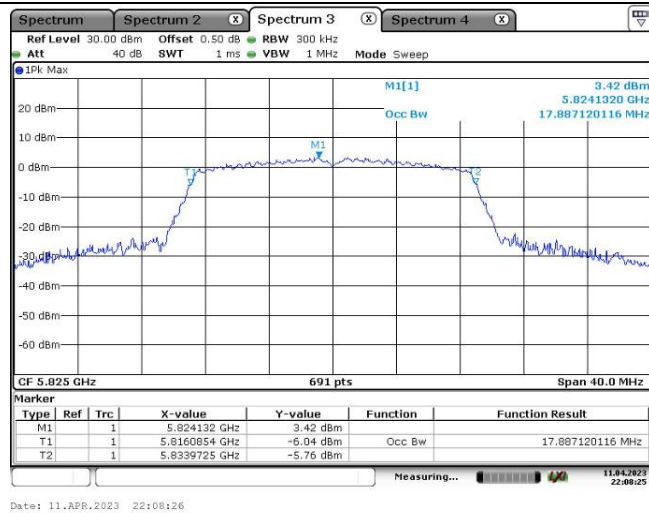
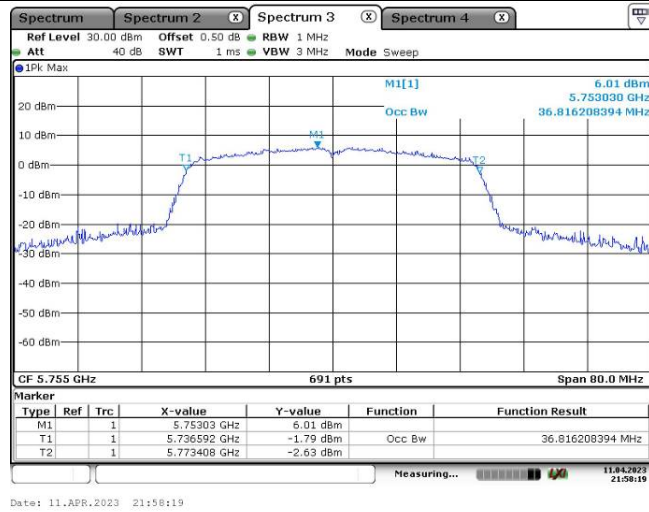
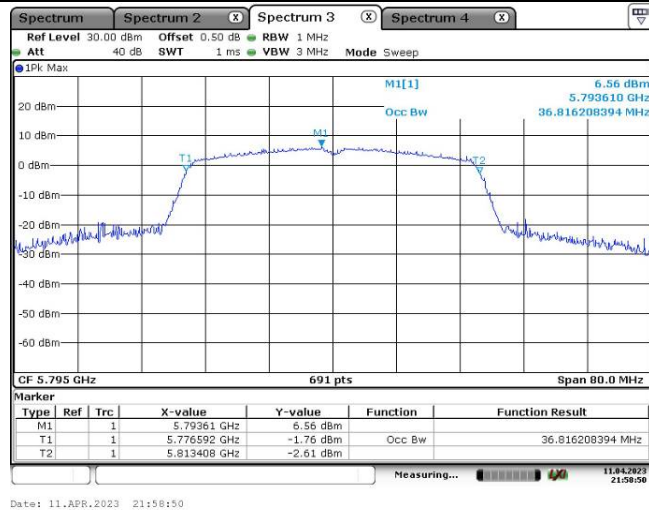


99% Emission Bandwidth

802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

99% Emission Bandwidth

802.11n ht40
Lowest Channel802.11n ht40
Highest Channel

4.4 Maximum Conducted Output Power:

Serial Number:	2390	Test Date:	2023/04/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.6	Relative Humidity: (%)	58	ATM Pressure: (kPa)	100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Agilent	USB Wideband Power Sensor	U2021XA	MY54080015	2022/7/15	2023/7/14
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060302	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5180	10.54	24
	5200	10.69	24
	5240	10.64	24
802.11n ht20	5180	10.52	24
	5200	10.74	24
	5240	10.57	24
802.11n ht40	5190	10.85	24
	5230	10.72	24
Note: The device is a client device.			

5250-5350 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5260	10.60	24
	5280	10.54	24
	5320	10.18	24
802.11n ht20	5260	10.33	24
	5280	10.25	24
	5320	10.34	24
802.11n ht40	5270	10.46	24
	5310	10.01	24

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5500	11.57	24
	5580	11.23	24
	5700	10.58	24
	5720	10.32	24
802.11n ht20	5500	11.65	24
	5580	11.34	24
	5700	10.41	24
	5720	10.25	24
802.11n ht40	5510	11.47	24
	5550	11.11	24
	5670	11.05	24
	5710	10.96	24

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Max. Conducted Average Output Power(dBm)	
		Result	Limit
802.11a	5745	10.77	30
	5785	10.63	30
	5825	10.83	30
802.11n ht20	5745	10.48	30
	5785	10.36	30
	5825	10.53	30
802.11n ht40	5755	10.66	30
	5795	10.84	30

4.5 Maximum power spectral density:

Serial Number:	2390	Test Date:	2023/04/12
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.1	Relative Humidity: (%)	54	ATM Pressure: (kPa)	100.6
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/07/25	2023/07/24
Mini-Circuits	DC Block	BLK-18-S+	1554404	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

Test Data:

5150-5250 MHz:

Test Modes	Test Frequency (MHz)	Reading (dBm/MHz)	Maximum Power Spectral Density (dBm/MHz)	
			Result	Limit
802.11a	5180	-0.38	-0.38	11
	5200	-0.07	-0.07	11
	5240	0.25	0.25	11
802.11n ht20	5180	-0.41	-0.41	11
	5200	-0.56	-0.56	11
	5240	-0.16	-0.16	11
802.11n ht40	5190	-3.27	-3.27	11
	5230	-3.04	-3.04	11

Note:

The device is a client device.

Duty cycle $\geq 98\%$, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 was used.

5250-5350 MHz:

Test Modes	Test Frequency(MHz)	Reading(dBm/MHz)	Maximum Power Spectral Density(dBm/MHz)	
			Result	Limit
802.11a	5260	0.29	0.29	11
	5280	0.46	0.46	11
	5320	0.69	0.69	11
802.11n ht20	5260	-0.02	-0.02	11
	5280	0.24	0.24	11
	5320	0.39	0.39	11
802.11n ht40	5270	-2.71	-2.71	11
	5310	-2.45	-2.45	11

Note:

Duty cycle $\geq 98\%$, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 was used.

5470-5725 MHz:

Test Modes	Test Frequency (MHz)	Reading (dBm/MHz)	Maximum Power Spectral Density (dBm/MHz)	
			Result	Limit
802.11a	5500	0.77	0.77	11
	5580	0.3	0.30	11
	5700	0.19	0.19	11
	5720	-0.2	-0.20	11
802.11n ht20	5500	0.35	0.35	11
	5580	-0.1	-0.10	11
	5700	-0.4	-0.40	11
	5720	-0.37	-0.37	11
802.11n ht40	5510	-2.65	-2.65	11
	5550	-2.91	-2.91	11
	5670	-3.18	-3.18	11
	5710	-3.23	-3.23	11

Note:

Duty cycle $\geq 98\%$, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 was used.

5725-5850 MHz:

Test Modes	Test Frequency (MHz)	Reading (dBm/500kHz)	Maximum Power Spectral Density (dBm/500kHz)	
			Result	Limit
802.11a	5745	-2.78	-2.78	30
	5785	-2.75	-2.75	30
	5825	-2.64	-2.64	30
802.11n ht20	5745	-3.33	-3.33	30
	5785	-2.88	-2.88	30
	5825	-2.84	-2.84	30
802.11n ht40	5755	-6.04	-6.04	30
	5795	-6.01	-6.01	30

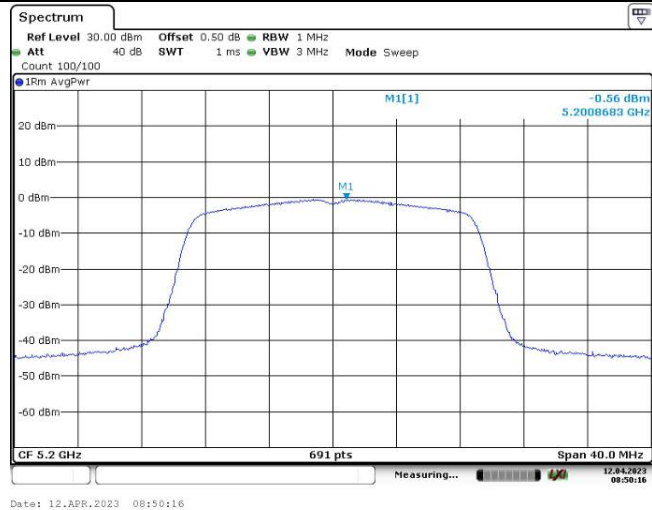
Note:

Duty cycle $\geq 98\%$, KDB 789033 D02 General UNII Test Procedures New Rules v02r01 Method SA-1 was used..
 If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/\text{RBW})$ to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement

5150-5250MHz:

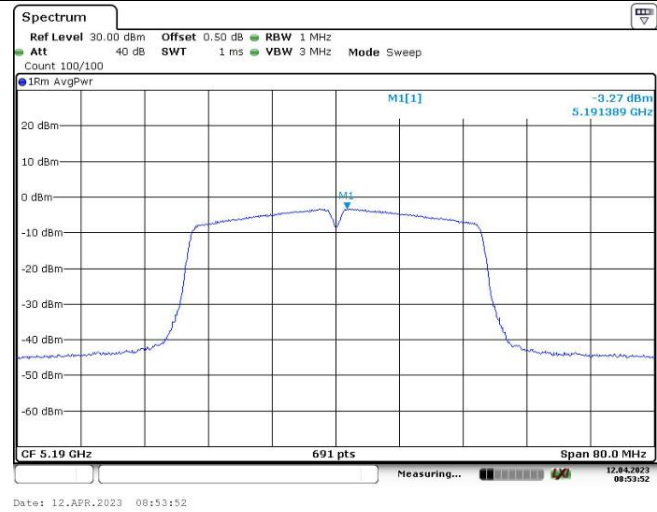
Maximum power spectral density

802.11a
Lowest Channel802.11a
Middle Channel802.11a
Highest Channel

Maximum power spectral density802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

Maximum power spectral density

802.11n ht40
Lowest Channel



802.11n ht40
Highest Channel



5250-5350MHz:

Maximum power spectral density

802.11a
Lowest Channel802.11a
Middle Channel802.11a
Highest Channel

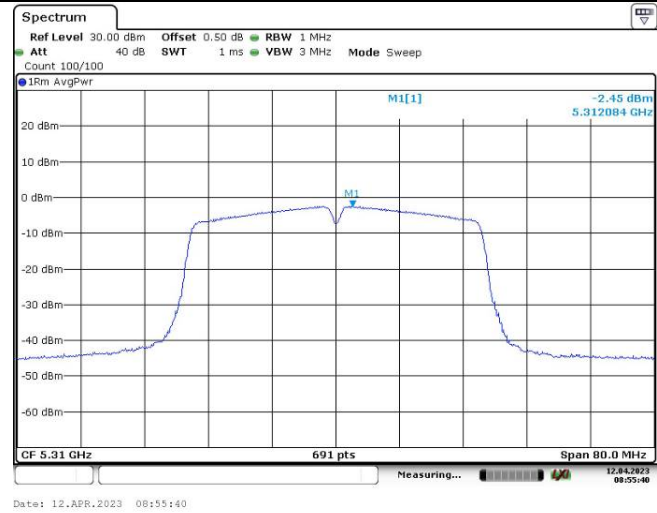
Maximum power spectral density802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

Maximum power spectral density

802.11n ht40
Lowest Channel

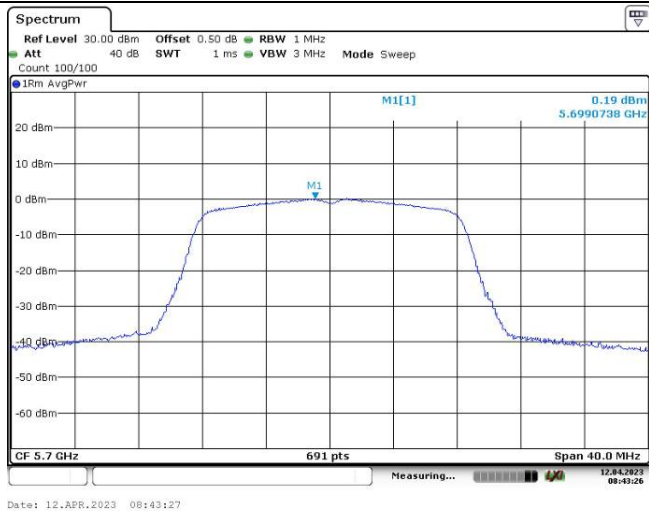


802.11n ht40
Highest Channel

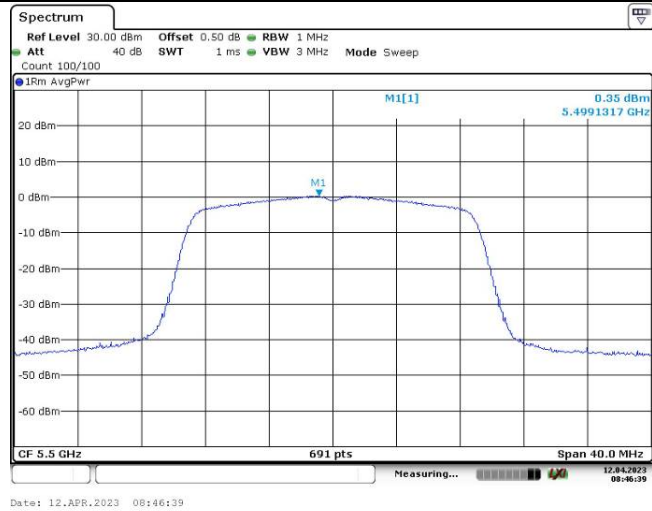


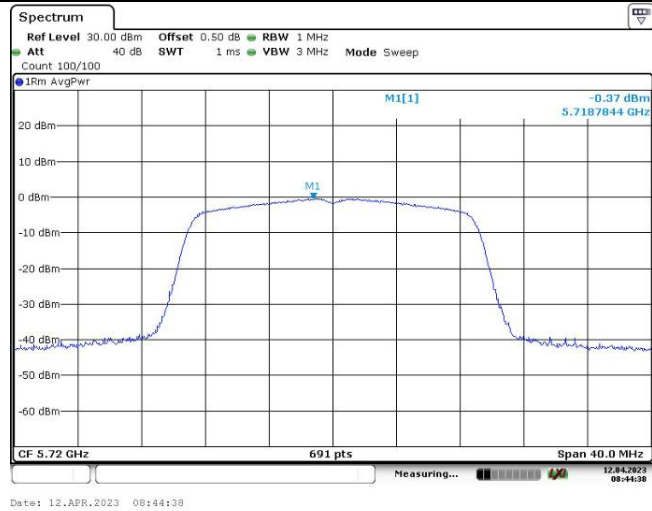
5470-5725MHz:

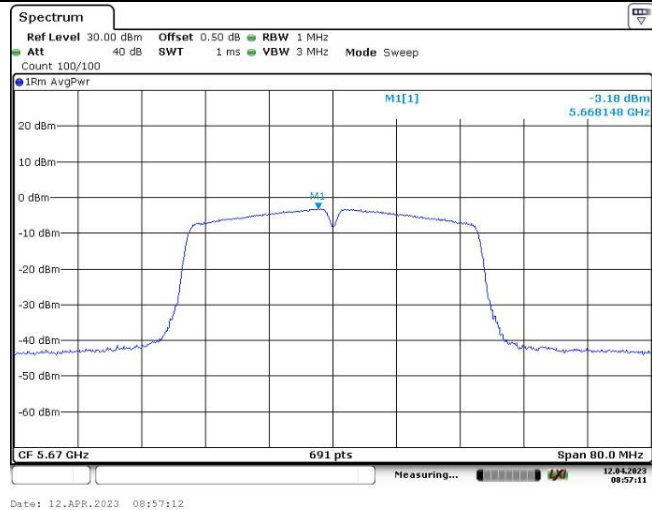
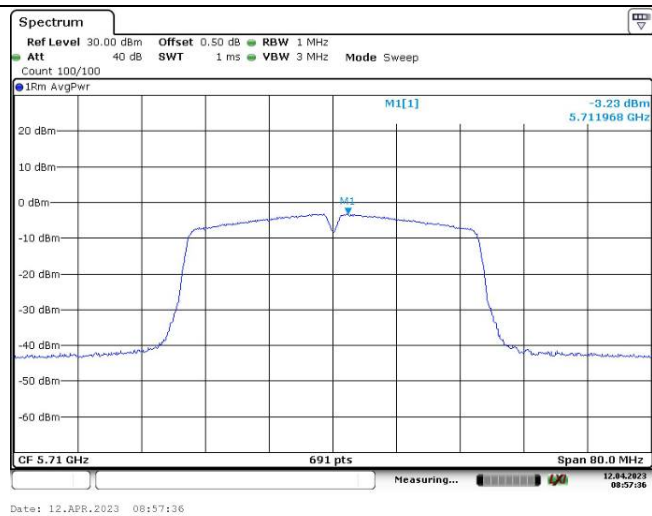
Maximum power spectral density

802.11a
Lowest Channel802.11a
Middle Channel802.11a
Highest Channel

Maximum power spectral density

802.11a
5720M802.11n ht20
Lowest Channel802.11n ht20
Middle Channel

Maximum power spectral density802.11n ht20
Highest Channel802.11n ht20
5720MHz802.11n ht40
Lowest Channel

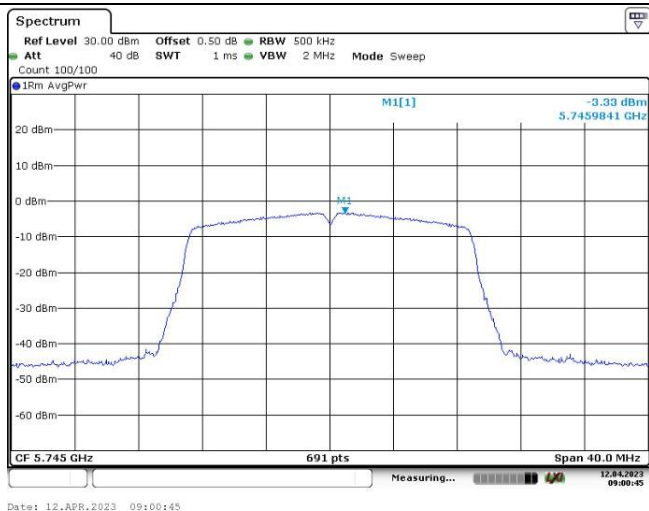
Maximum power spectral density802.11n ht40
Middle Channel802.11n ht40
High Channel802.11n ht40
5710MHz

5725-5850MHz

Maximum power spectral density

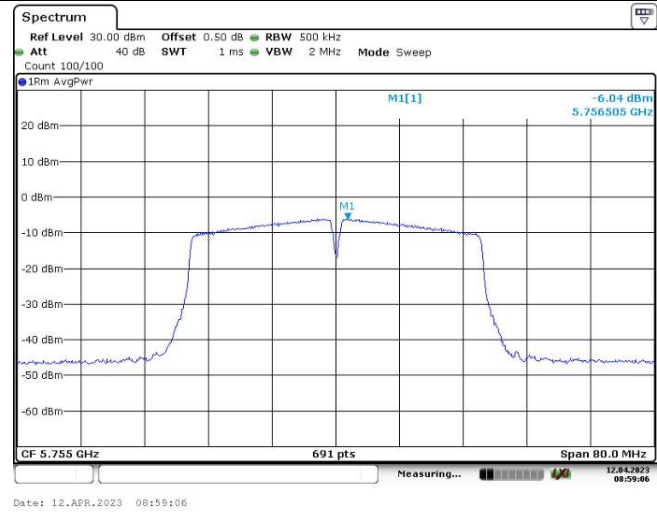
802.11a
Lowest Channel802.11a
Middle Channel802.11a
Highest Channel

Maximum power spectral density

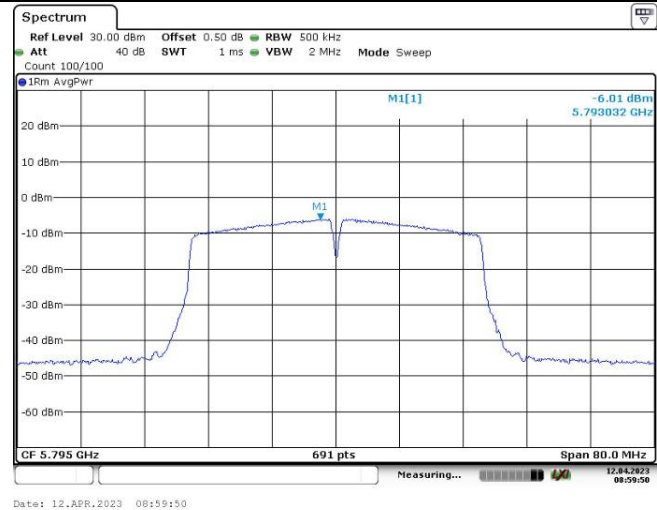
802.11n ht20
Lowest Channel802.11n ht20
Middle Channel802.11n ht20
Highest Channel

Maximum power spectral density

802.11n ht40
Lowest Channel



802.11n ht40
Highest Channel



4.6 Duty Cycle:

Serial Number:	2390	Test Date:	2023/04/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Julie Tan	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	23.6	Relative Humidity: (%)	58	ATM Pressure: (kPa)	100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2022/07/25	2023/07/24
Mini-Circuits	DC Block	BLK-18-S+	1554404	Each time	N/A
zhuoxiang	Coaxial Cable	SMA-178	211003	Each time	N/A

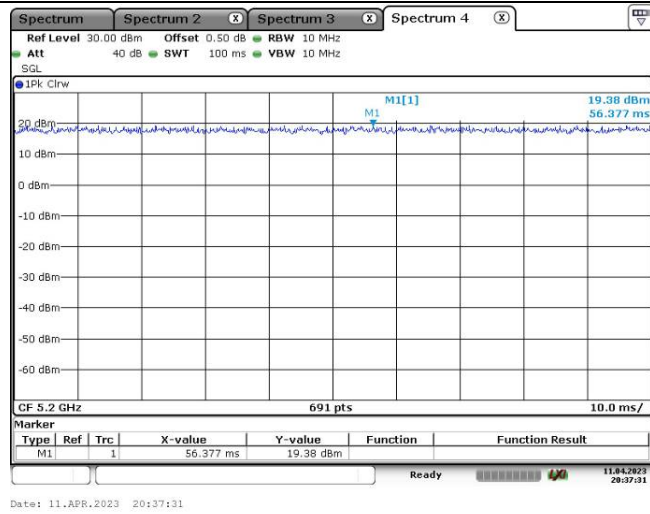
** Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).*

Test Data:

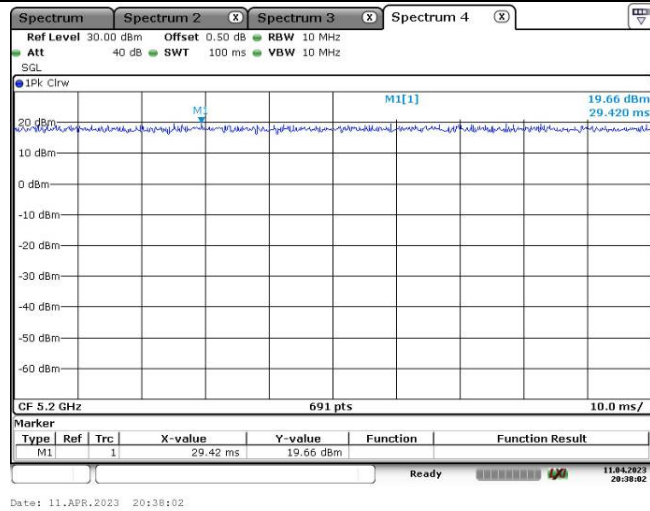
Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)
802.11a	100	100	100.00
802.11n ht20	100	100	100.00
802.11n ht40	100	100	100.00

Duty Cycle

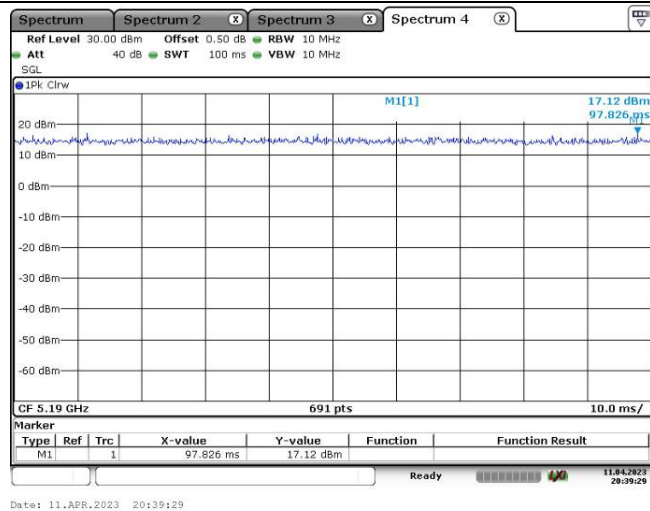
802.11a



802.11n ht20



802.11n ht40



===== END OF REPORT =====