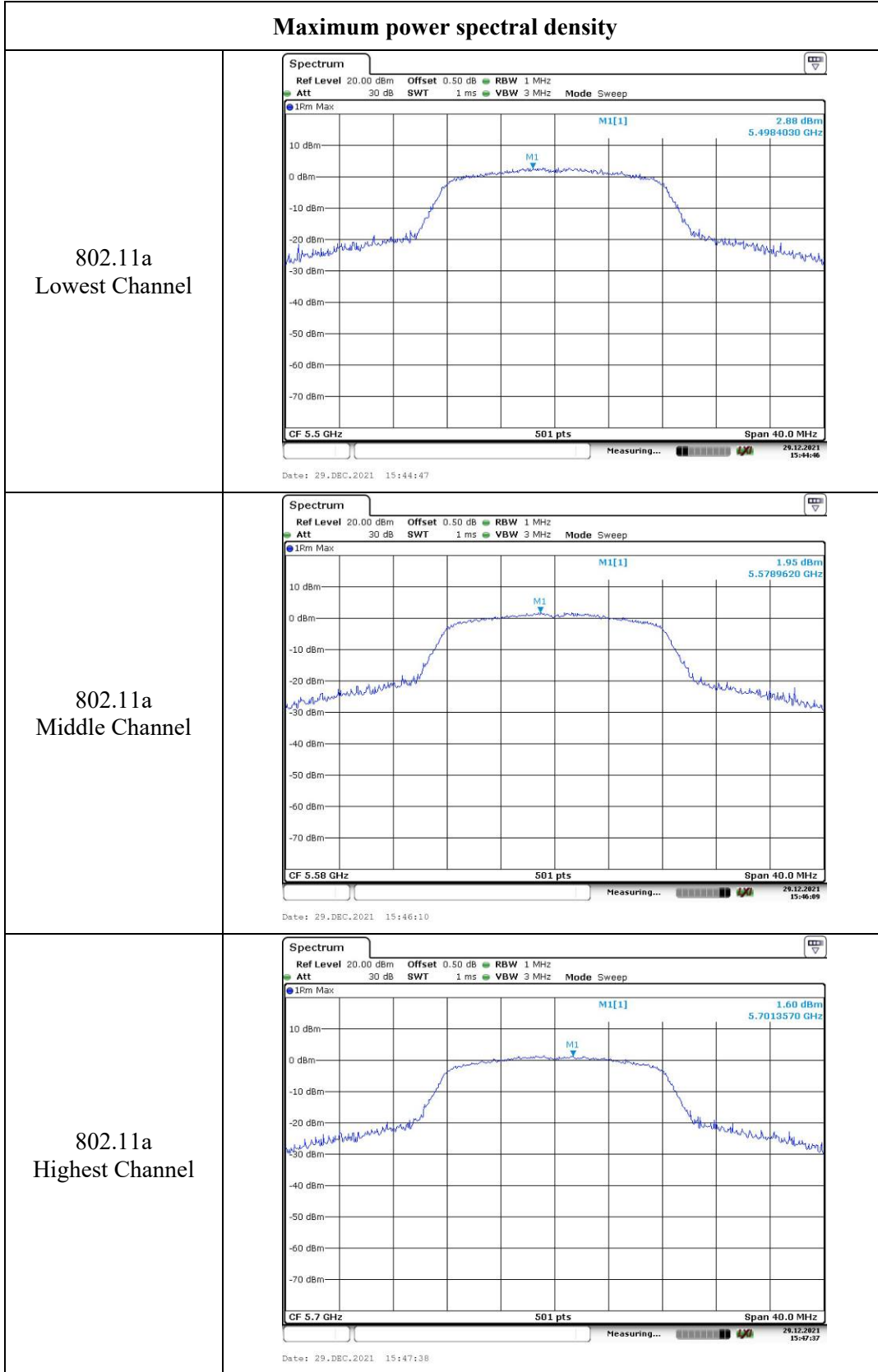
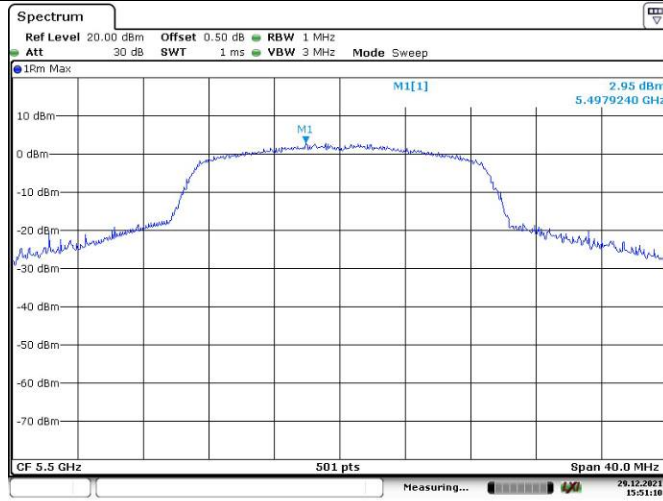


5470-5725MHz:

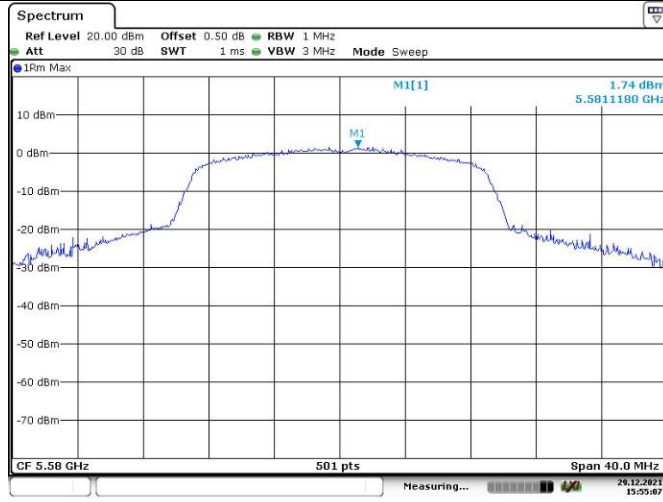


Maximum power spectral density

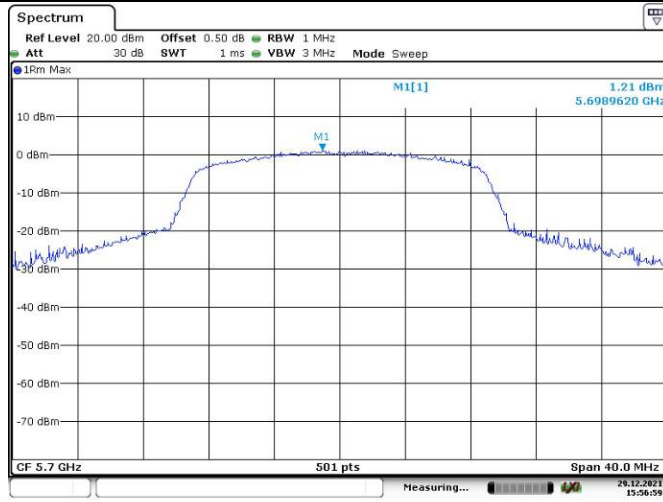
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

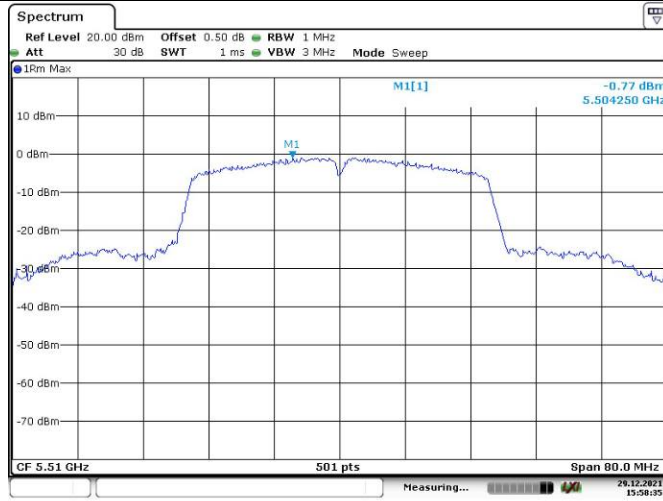


802.11n ht20
Highest Channel

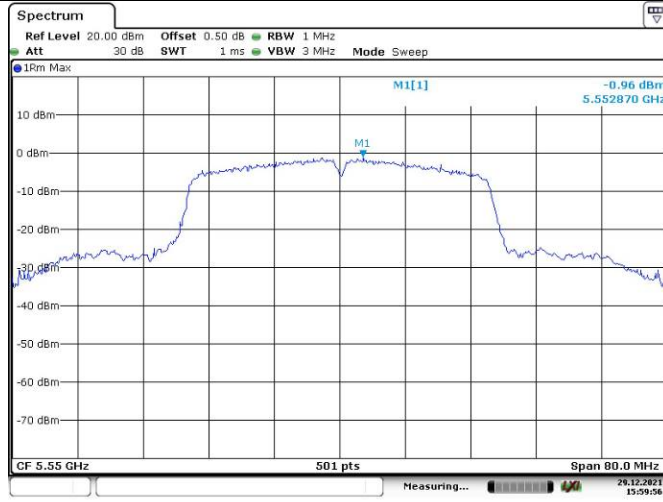


Maximum power spectral density

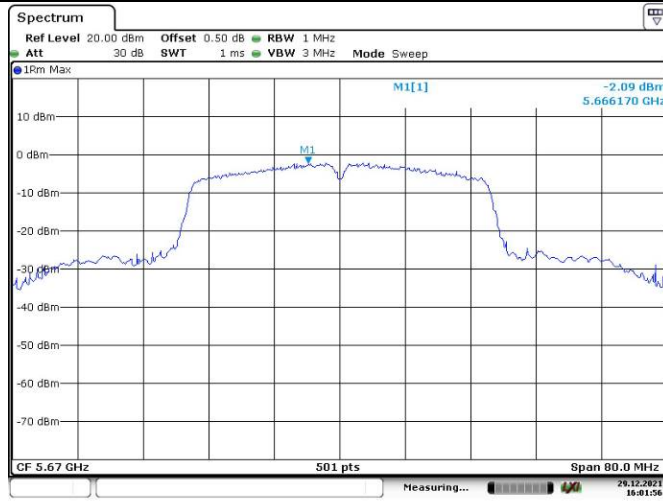
802.11n ht40
Lowest Channel



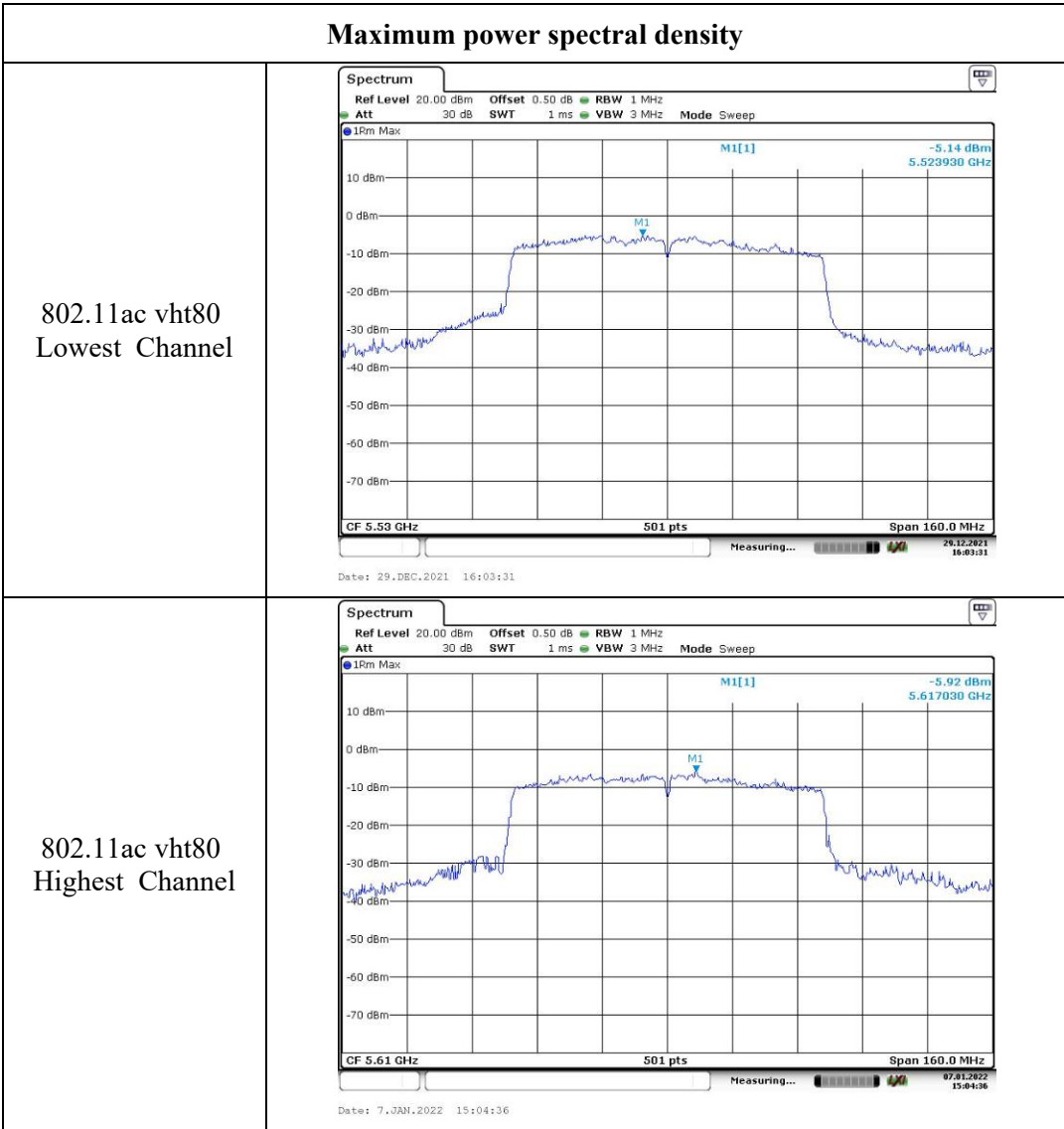
802.11n ht40
Middle Channel



802.11n ht40
Highest Channel

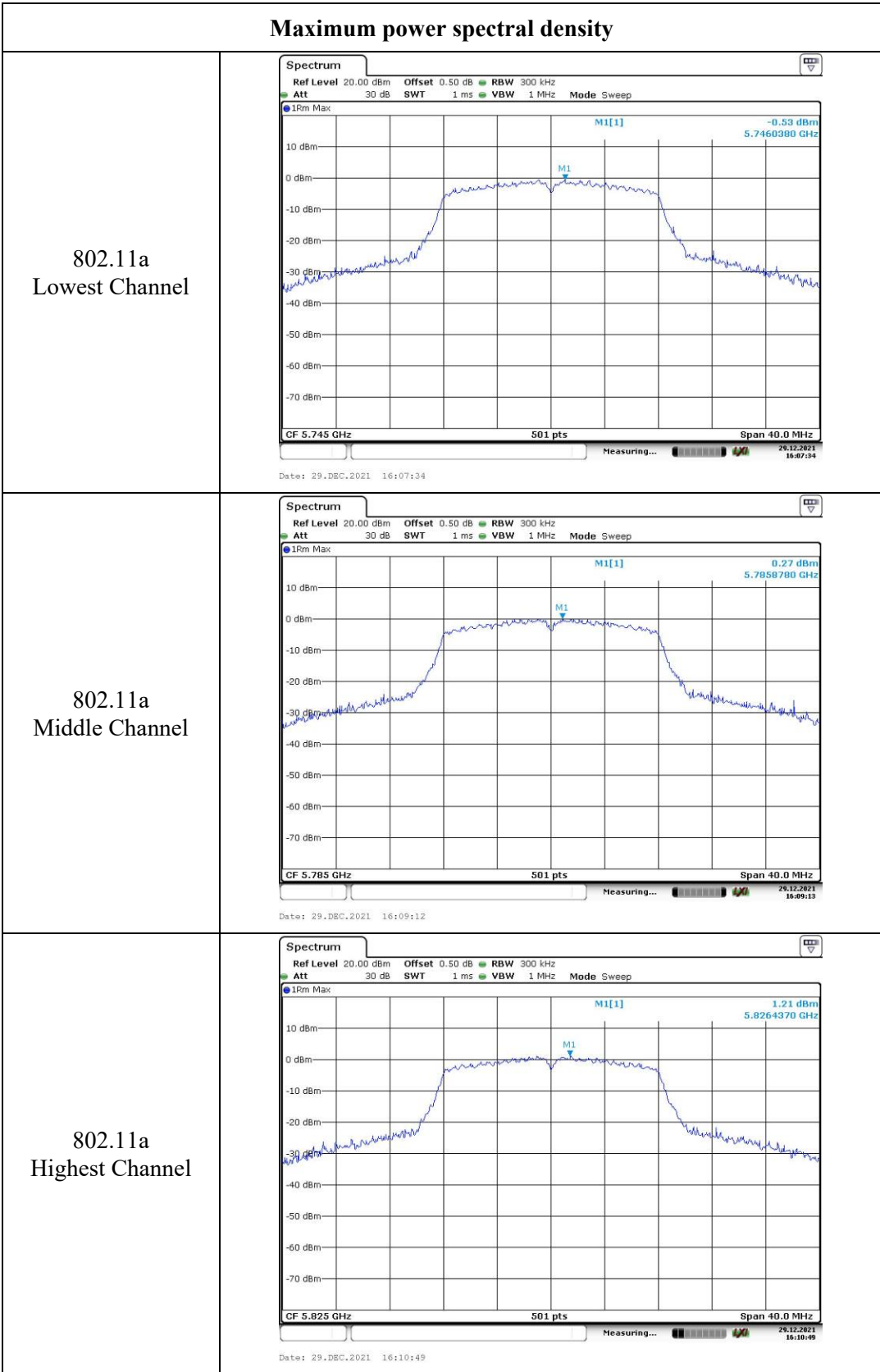


Maximum power spectral density



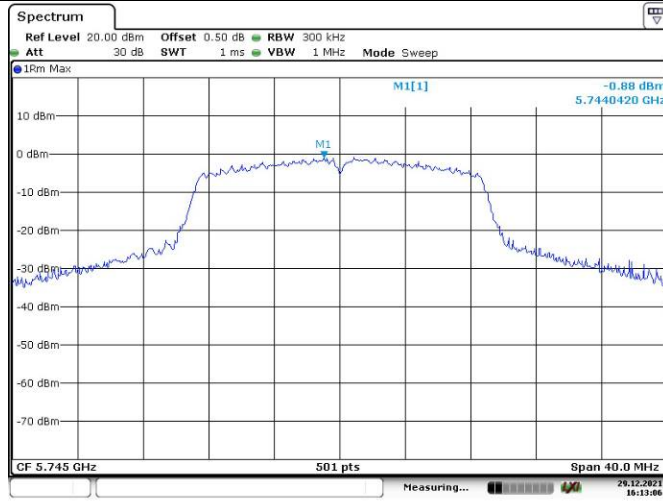
5725-5850MHz

Maximum power spectral density

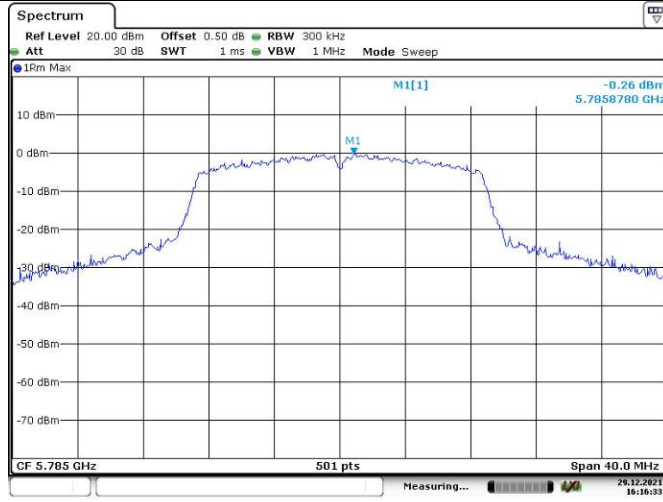


Maximum power spectral density

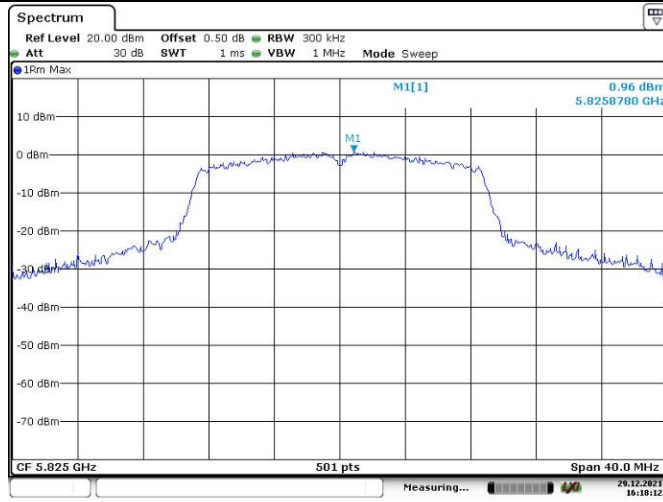
802.11n ht20
Lowest Channel



802.11n ht20
Middle Channel

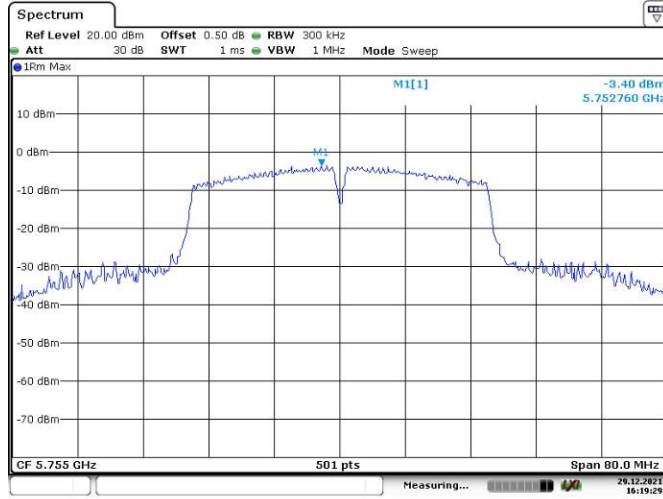


802.11n ht20
Highest Channel

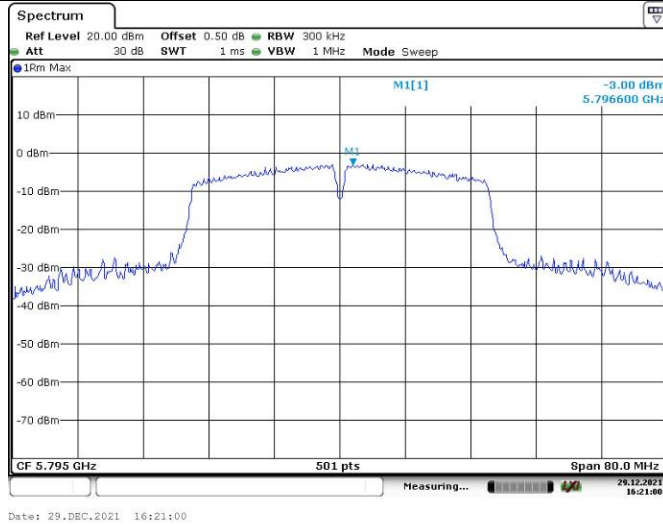


Maximum power spectral density

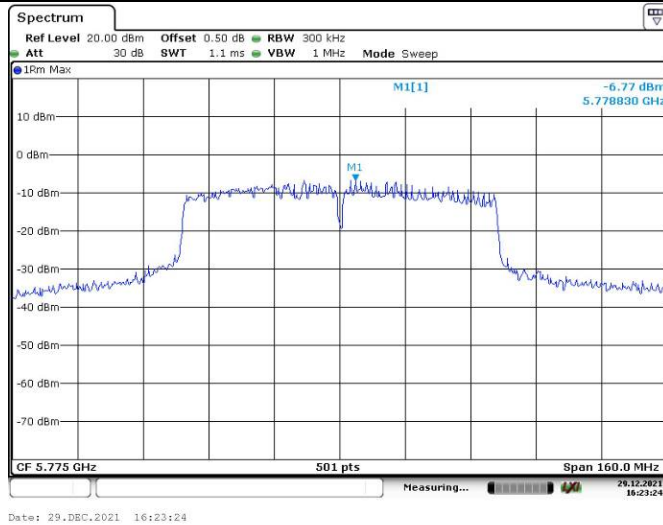
802.11n ht40
Lowest Channel



802.11n ht40
Highest Channel



802.11ac vht80
Middle Channel



4.6 Duty Cycle:

Serial Number:	CR21110032-RF-S1	Test Date:	2021/12/29~2022/01/07
Test Site:	RF	Test Mode:	Transmitting
Tester:	Wolf Mo	Test Result:	N/A

Environmental Conditions:

Temperature: (°C)	20~25.9	Relative Humidity: (%)	56~60	ATM Pressure: (kPa)	101.6~101.8
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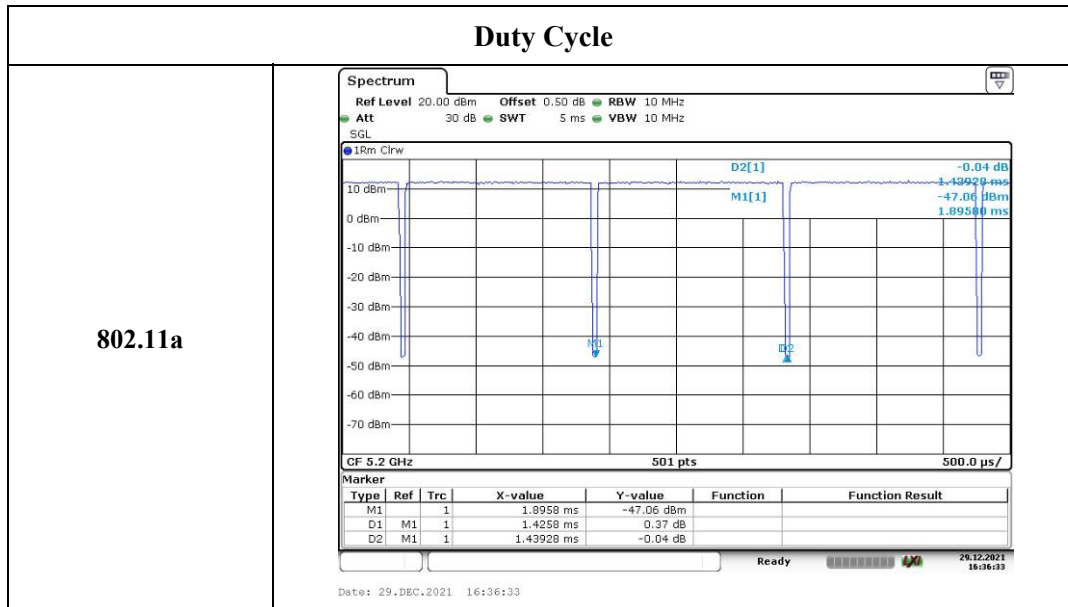
Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2021/10/10	2022/10/9
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	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).

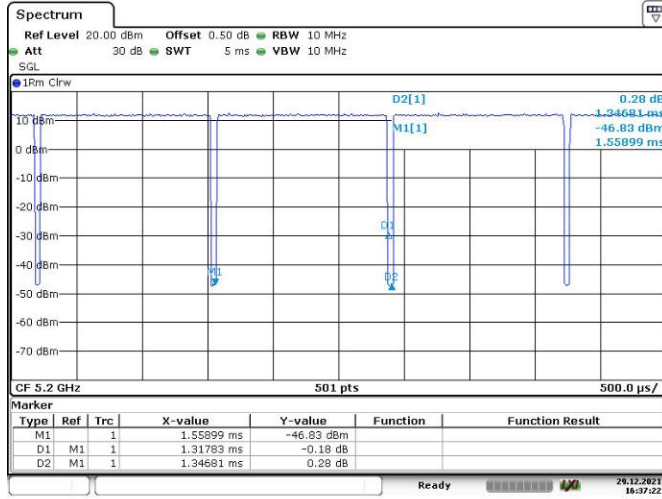
Test Data:

Test Modes	Ton (ms)	Ton+off (ms)	Duty cycle (%)
802.11a	1.426	1.439	99.10
802.11n ht20	1.318	1.347	97.85
802.11n ht40	0.663	0.689	96.23
802.11ac vht80	0.333	0.367	90.74



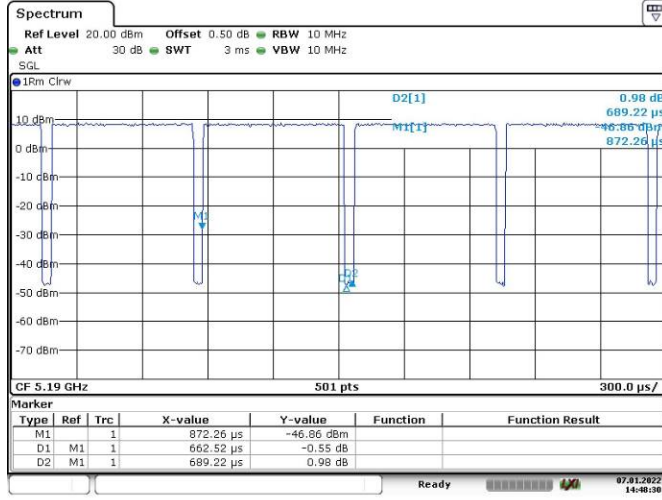
Duty Cycle

802.11n ht20



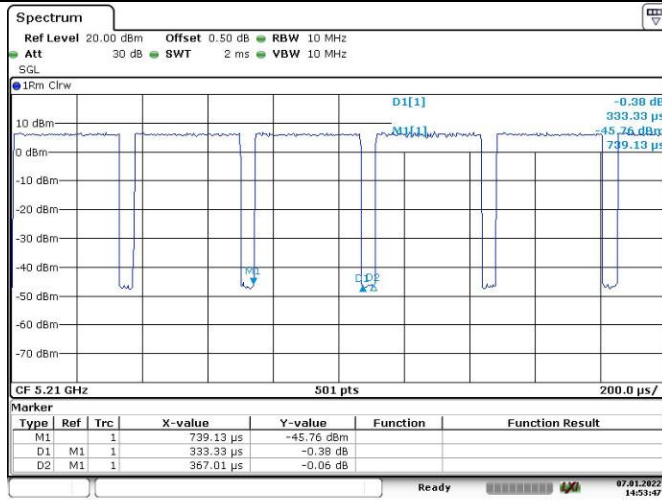
Date: 29. DEC. 2021 16:37:22

802.11n ht40



Date: 7. JAN. 2022 14:46:30

802.11ac vht80



Date: 7. JAN. 2022 14:53:47

5. RF EXPOSURE EVALUATION

5.1 MAXIMUM PERMISSIBLE EXPOSURE (MPE)

5.1.1 Applicable Standard

FCC §15.407 (f) & §1.1310 & §2.1091

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess of the Commission's guidelines. See §1.1307(b)(1) of this chapter.

Limits for Maximum Permissible Exposure (MPE) (§1.1310, §2.1091)

(B) Limits for General Population/Uncontrolled Exposure				
Frequency Range (MHz)	Electric Field Strength (V/m)	Magnetic Field Strength (A/m)	Power Density (mW/cm ²)	Averaging Time (minutes)
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500	/	/	f/1500	30
1500–100,000	/	/	1.0	30

f = frequency in MHz; * = Plane-wave equivalent power density;

According to §1.1310 and §2.1091 RF exposure is calculated.

5.1.2 Procedure

Prediction of power density at the distance of the applicable MPE limit

$S = PG/4\pi R^2$ = power density (in appropriate units, e.g. mW/cm²);

P = power input to the antenna (in appropriate units, e.g., mW);

G = power gain of the antenna in the direction of interest relative to an isotropic radiator, the power gain factor, is normally numeric gain;

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm);

5.1.3 Calculated Result

Operation Modes	Frequency (MHz)	Antenna Gain		Conducted output power including Tune-up Tolerance		Evaluation Distance (cm)	Power Density (mW/cm ²)	MPE Limit (mW/cm ²)
		(dBi)	(numeric)	(dBm)	(mW)			
2.4G Wi-Fi	2412-2462	0.5	1.12	24	251.19	20.00	0.0561	1.0
5G Wi-Fi	5150-5850	0	1.00	14	25.12	20.00	0.0050	1.0

Note: the 2.4G Wi-Fi and 5G Wi-Fi can't transmit simultaneously;

Result: The device meet FCC MPE at 20 cm distance

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