

















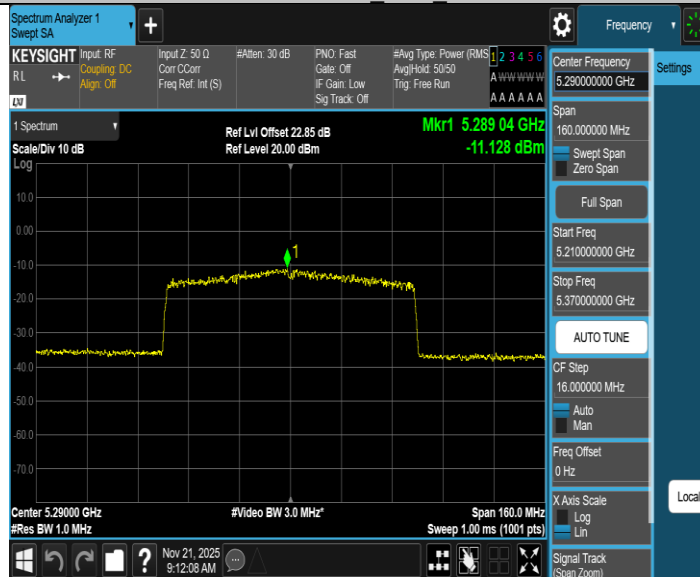




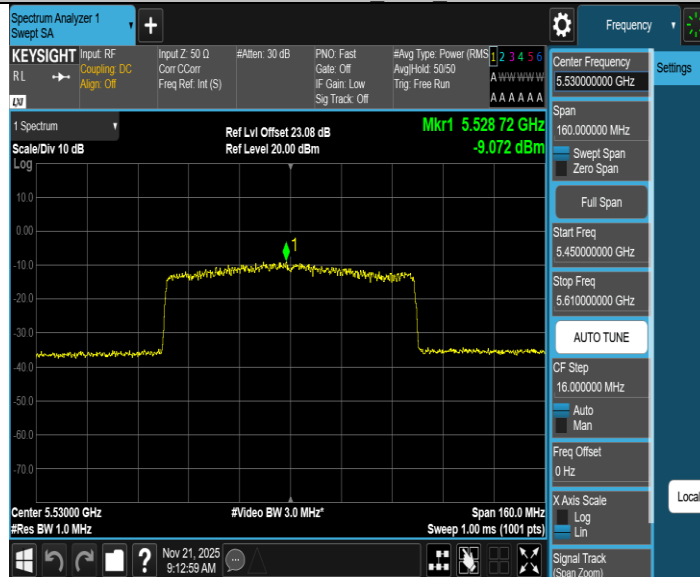




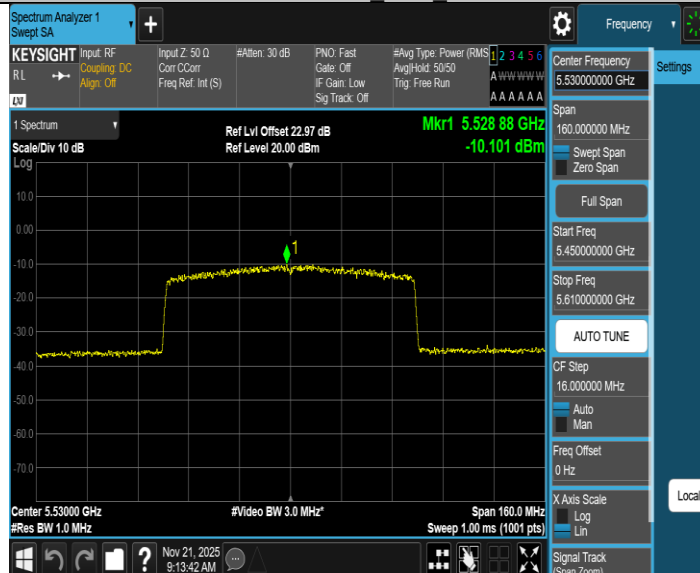
11AX80MIMO_Ant2_5290



11AX80MIMO_Ant1_5530



11AX80MIMO_Ant2_5530







Appendix A.6: Test Results of Frequency Stability

Test Result

Voltage								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20 MIMO	Ant1	5180	NV	NT	-19000.00	-3.667954	20	PASS
		5200	NV	NT	-35000.00	-6.730769	20	PASS
		5240	NV	NT	-23000.00	-4.389313	20	PASS
		5260	NV	NT	-34000.00	-6.463878	20	PASS
		5280	NV	NT	-35000.00	-6.628788	20	PASS
		5320	NV	NT	-35000.00	-6.578947	20	PASS
		5500	NV	NT	-35000.00	-6.363636	20	PASS
		5580	NV	NT	-36000.00	-6.451613	20	PASS
		5700	NV	NT	-35000.00	-6.140351	20	PASS
		5745	NV	NT	-36000.00	-6.266319	20	PASS
		5785	NV	NT	-36000.00	-6.222990	20	PASS
		5825	NV	NT	-36000.00	-6.180258	20	PASS

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11AC20 MIMO	Ant1	5180	NV	0	-33000.00	-6.370656	20	PASS
			NV	40	-35000.00	-6.756757	20	PASS
		5200	NV	0	-36000.00	-6.923077	20	PASS
			NV	40	-36000.00	-6.923077	20	PASS
		5240	NV	0	-30000.00	-5.725191	20	PASS
			NV	40	-33000.00	-6.297710	20	PASS
		5260	NV	0	-36000.00	-6.844106	20	PASS
			NV	40	-36000.00	-6.844106	20	PASS
		5280	NV	0	-36000.00	-6.818182	20	PASS
			NV	40	-37000.00	-7.007576	20	PASS
		5320	NV	0	-36000.00	-6.766917	20	PASS
			NV	40	-36000.00	-6.766917	20	PASS
		5500	NV	0	-35000.00	-6.363636	20	PASS
			NV	40	-37000.00	-6.727273	20	PASS
		5580	NV	0	-37000.00	-6.630824	20	PASS
			NV	40	-38000.00	-6.810036	20	PASS
		5700	NV	0	-35000.00	-6.140351	20	PASS
			NV	40	-36000.00	-6.315789	20	PASS
		5745	NV	0	-36000.00	-6.266319	20	PASS
			NV	40	-36000.00	-6.266319	20	PASS
		5785	NV	0	-38000.00	-6.568712	20	PASS
			NV	40	-36000.00	-6.222990	20	PASS
		5825	NV	0	-38000.00	-6.523605	20	PASS
			NV	40	-37000.00	-6.351931	20	PASS

Appendix A.7: Test Results of Radiated Spurious Emissions

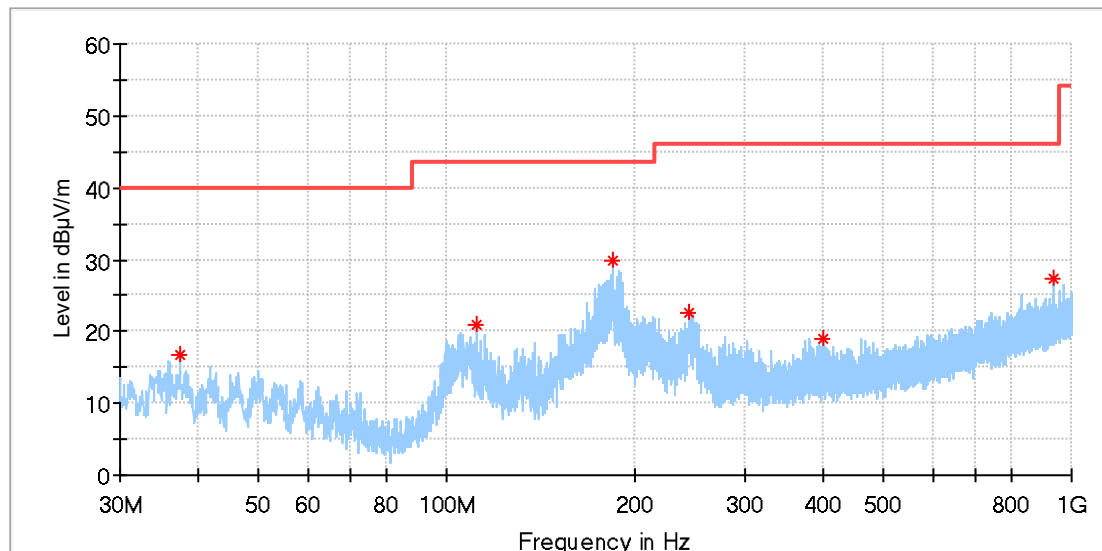
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.
- 3) The worst-case mode of 802.11ac and 802.11ax were reported.

30MHz - 1GHz

EUT Information

EUT Name:	WIFI+BT Module
Model:	WKXT0QM2511
Test Mode:	WIFI 5G_11a_Ch48
Order No/Sample No:	168570821/A004089979-001
Test Voltage:	DC 5V From USB
Remark:	Temp 23 Humi:56%
Test Standard:	FCC 15.407
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

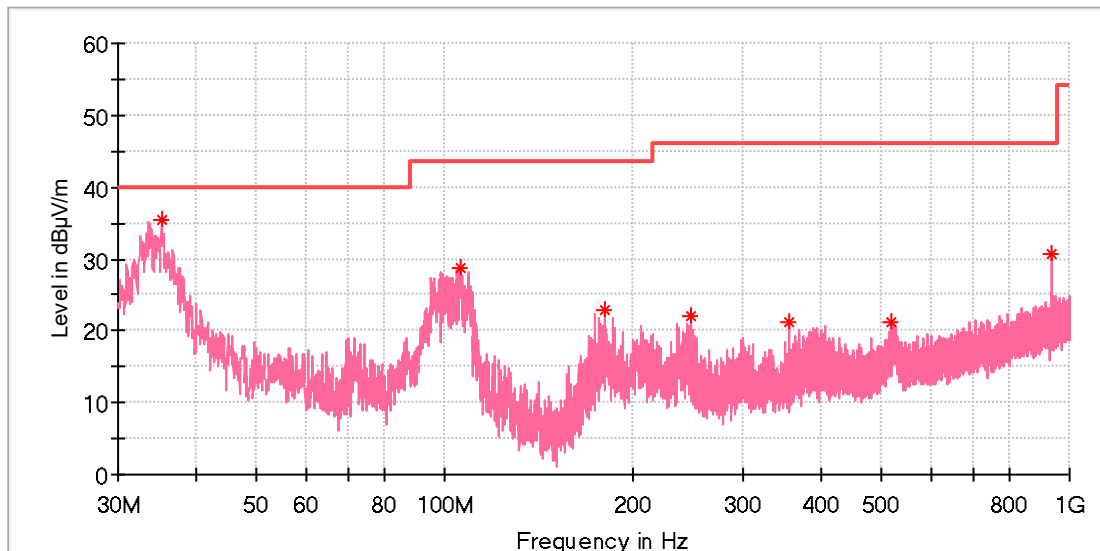
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
37.424231	16.73	40.00	23.27	100.0	H	40.0	-21.0
111.293462	21.06	43.50	22.44	100.0	H	17.0	-19.4
184.901539	29.93	43.50	13.57	100.0	H	154.0	-20.1
245.004231	22.67	46.00	23.33	100.0	H	29.0	-17.5
401.323462	19.03	46.00	26.97	100.0	H	263.0	-13.7
938.442308	27.23	46.00	18.77	100.0	H	154.0	-4.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: WIFI+BT Module
Model: WKXT0QM2511
Test Mode: WIFI 5G_11a_Ch48
Order No/Sample No: 168570821/A004089979-001
Test Voltage: DC 5V From USB
Remark: Temp 23 Humi:56%
Test Standard: FCC 15.407
Tested By: Kei Zhang
Reviewed By: Terry Yin



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
35.223077	35.52	40.00	4.48	100.0	V	214.0	-21.9
106.219615	28.62	43.50	14.88	100.0	V	59.0	-19.0
180.387308	22.90	43.50	20.60	100.0	V	264.0	-20.6
247.466539	21.91	46.00	24.09	100.0	V	104.0	-17.4
356.927308	21.21	46.00	24.79	100.0	V	4.0	-14.7
517.238462	21.10	46.00	24.90	100.0	V	202.0	-11.5
937.546923	30.58	46.00	15.42	100.0	V	25.0	-4.4

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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