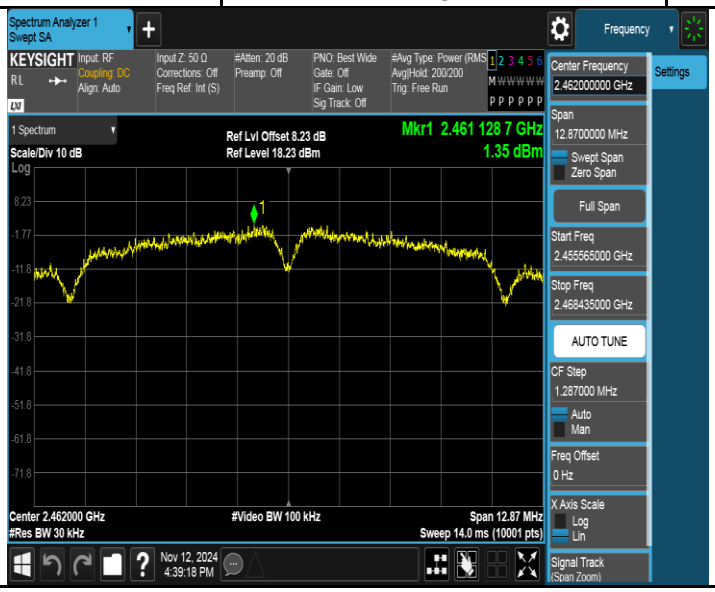
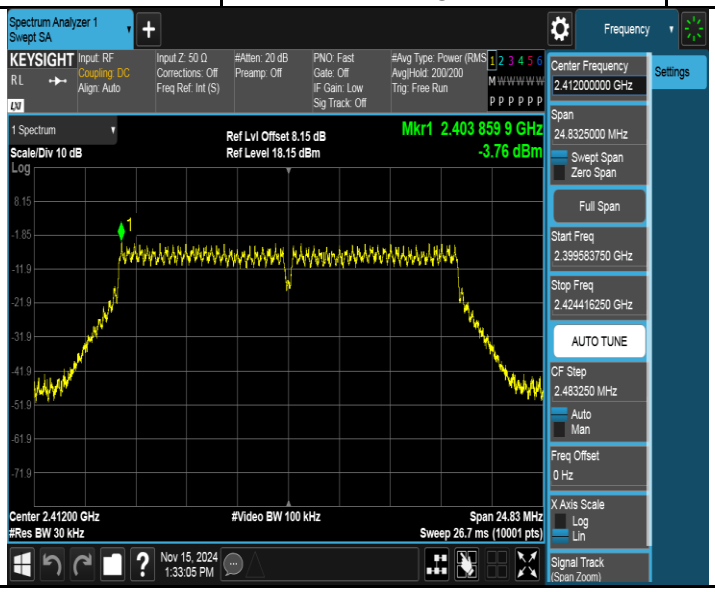
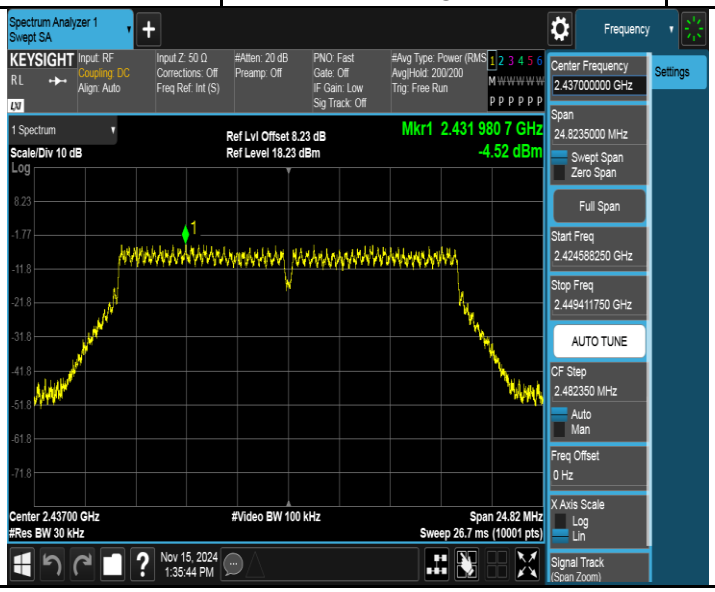
Test Mode	Test Channel	Verdict
11B	HCH	PASS



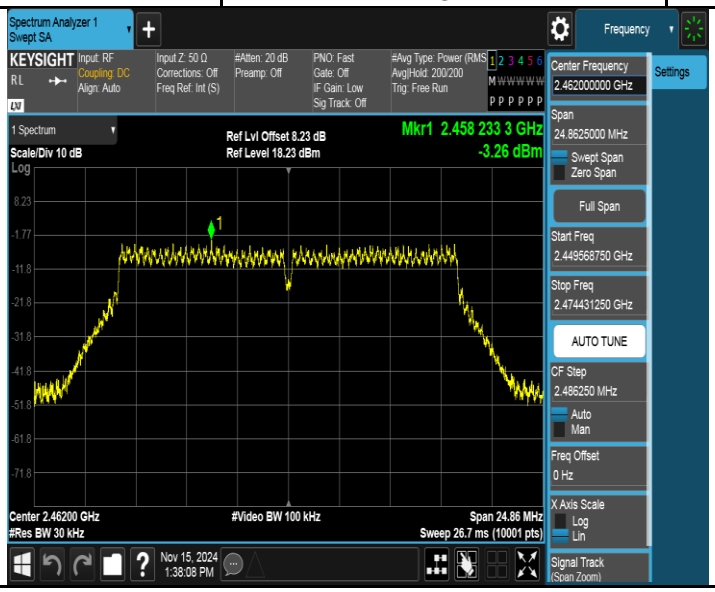
Test Mode	Test Channel	Verdict
11G	LCH	PASS



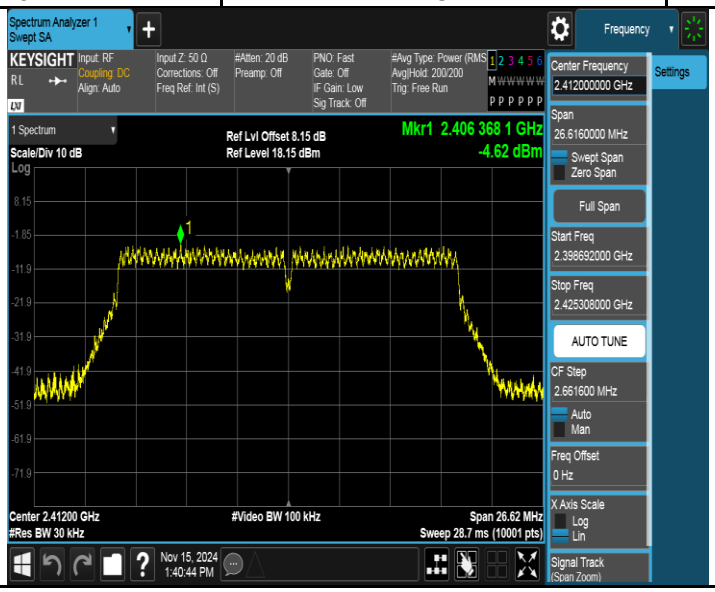
Test Mode	Test Channel	Verdict
11G	MCH	PASS



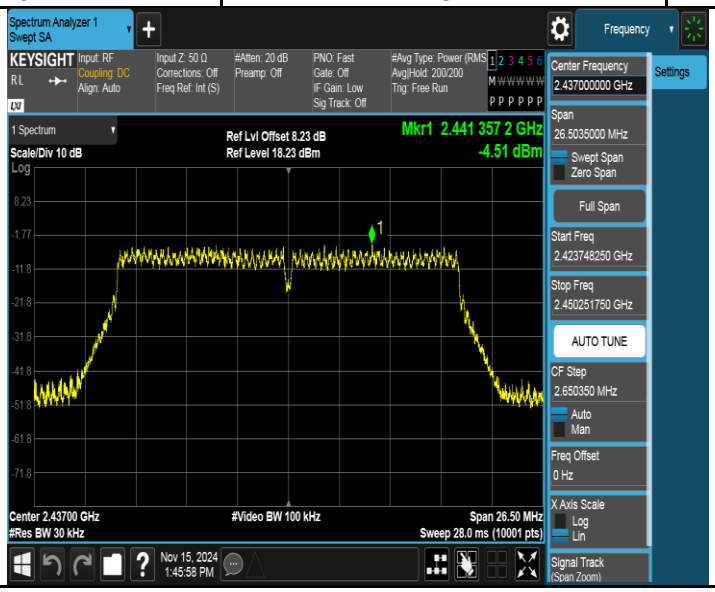
Test Mode	Test Channel	Verdict
11G	HCH	PASS



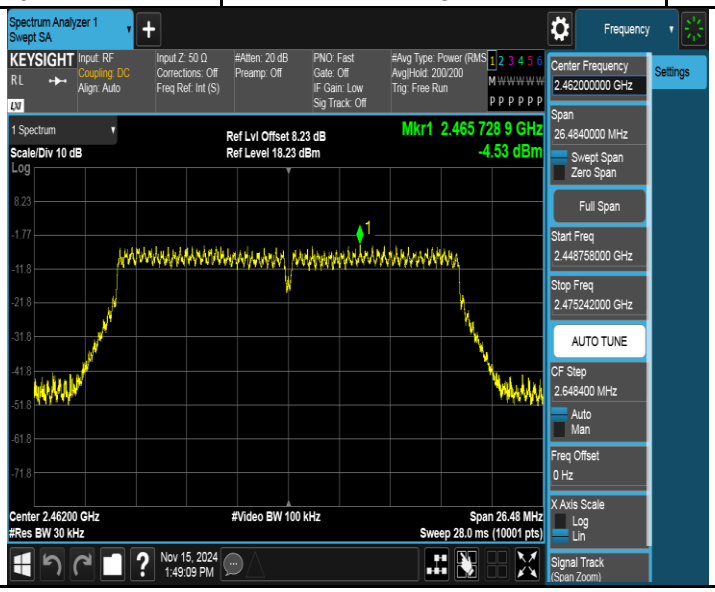
Test Mode	Test Channel	Verdict
11N HT20	LCH	PASS



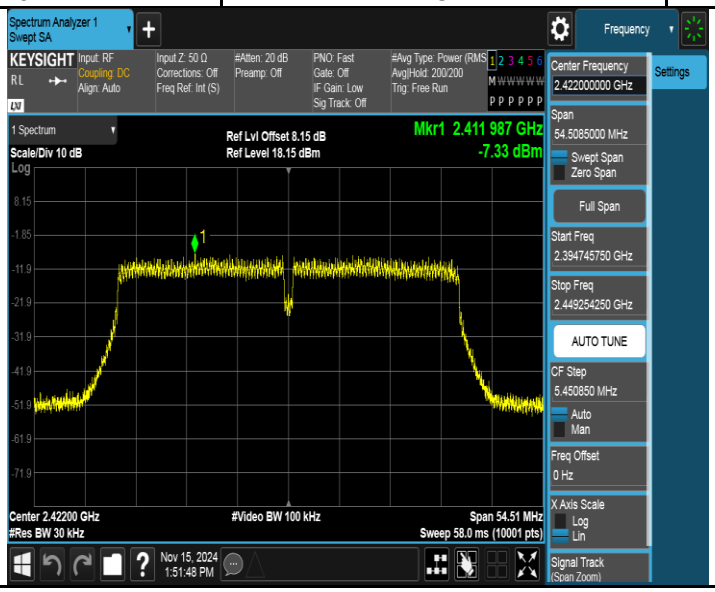
Test Mode	Test Channel	Verdict
11N HT20	MCH	PASS



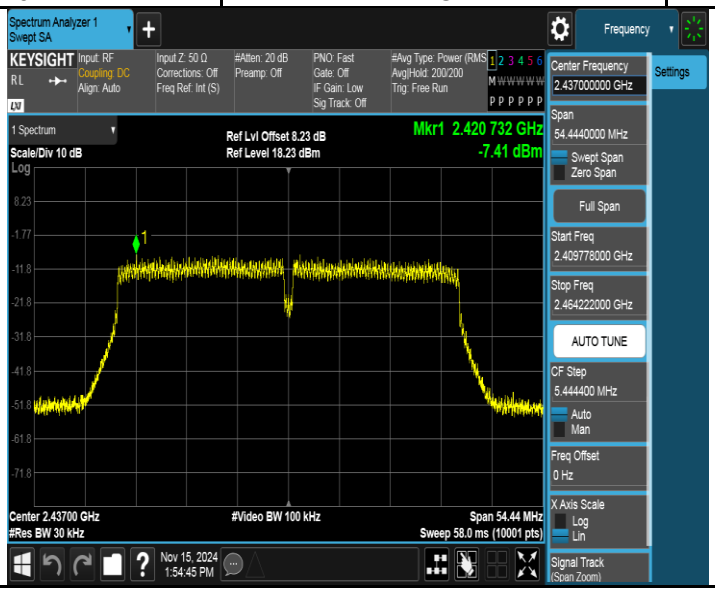
Test Mode	Test Channel	Verdict
11N HT20	HCH	PASS



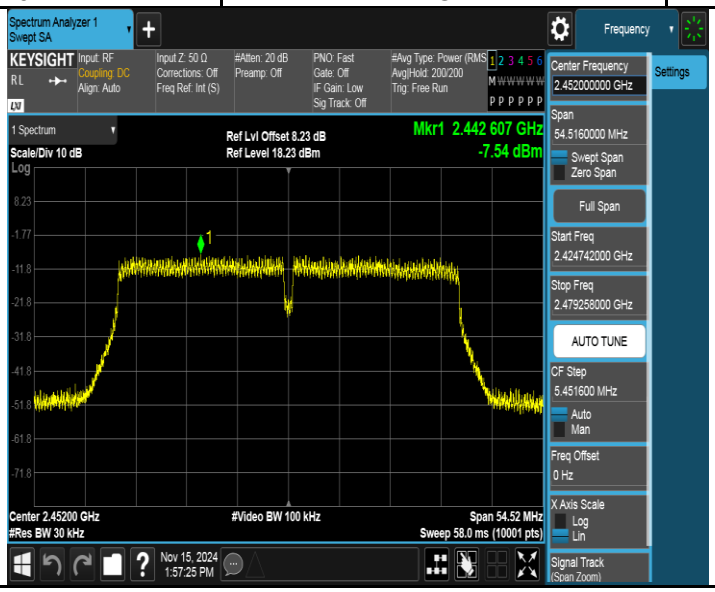
Test Mode	Test Channel	Verdict
11N HT40	LCH	PASS



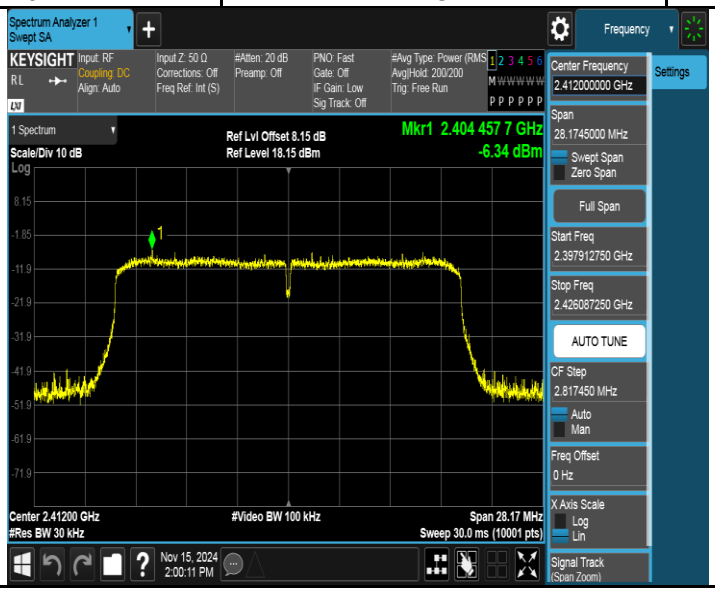
Test Mode	Test Channel	Verdict
11N HT40	MCH	PASS



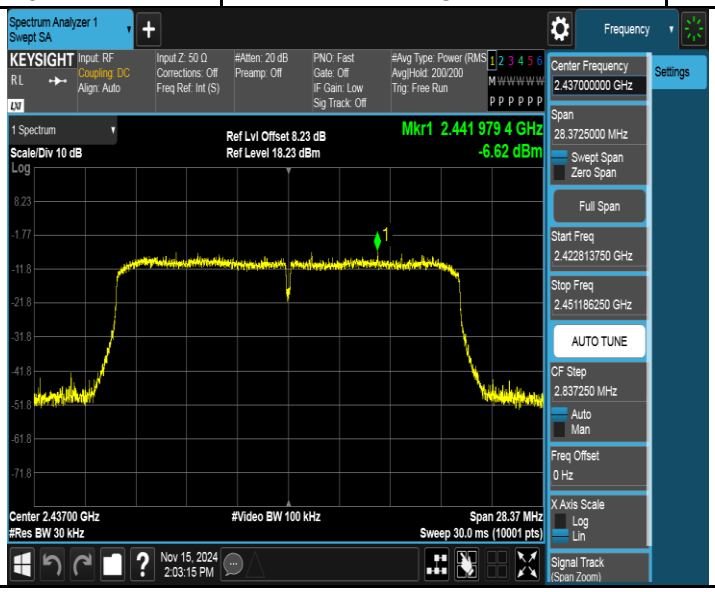
Test Mode	Test Channel	Verdict
11N HT40	HCH	PASS



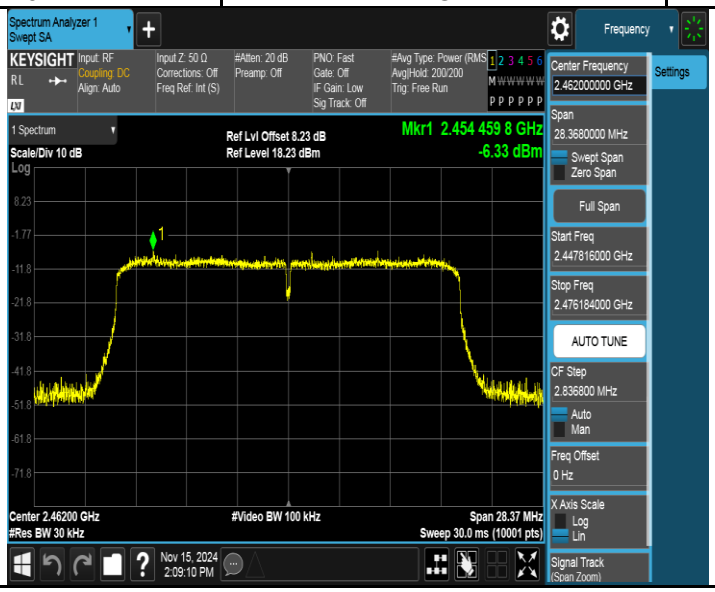
Test Mode	Test Channel	Verdict
11AX HE20	LCH	PASS



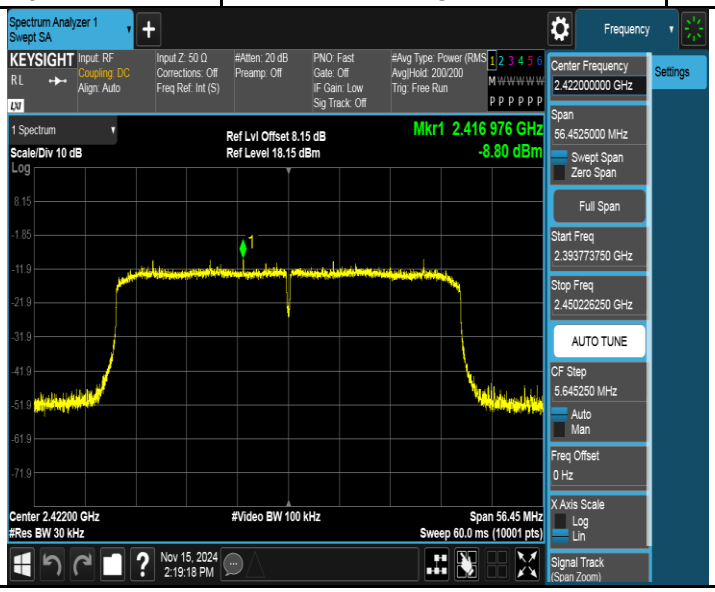
Test Mode	Test Channel	Verdict
11AX HE20	MCH	PASS



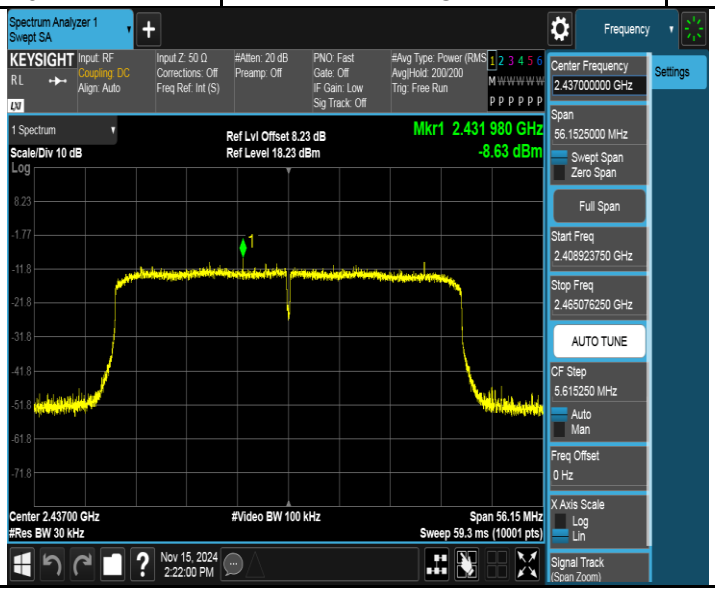
Test Mode	Test Channel	Verdict
11AX HE20	HCH	PASS



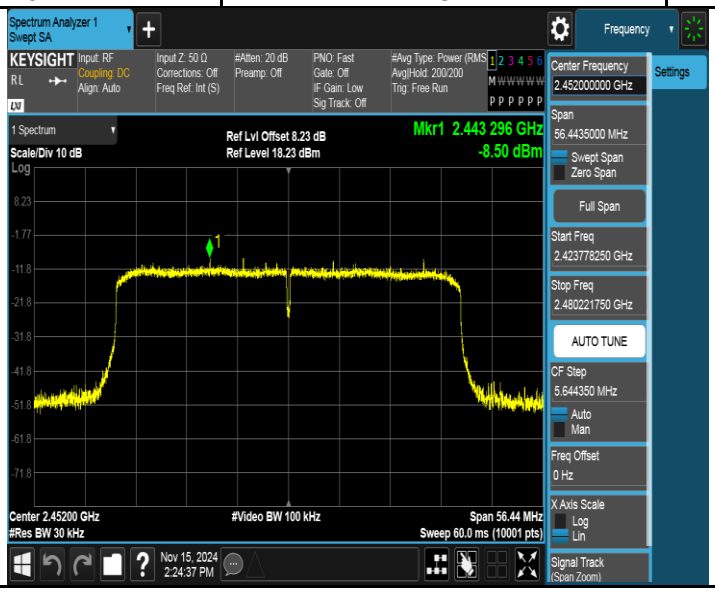
Test Mode	Test Channel	Verdict
11AX HE40	LCH	PASS



Test Mode	Test Channel	Verdict
11AX HE40	MCH	PASS



Test Mode	Test Channel	Verdict
11AX HE40	HCH	PASS



7.5. CONDUCTED BANDEDGE AND SPURIOUS EMISSIONS

LIMITS

FCC Part15 (15.247), Subpart C		
Section	Test Item	Limit
FCC §15.247 (d) RSS-247 Clause 5.5 RSS-GEN Clause 6.13	Conducted Bandedge and Spurious Emissions	30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power

TEST PROCEDURE

Refer to FCC KDB 558074, connect the UUT to the spectrum analyser and use the following settings:

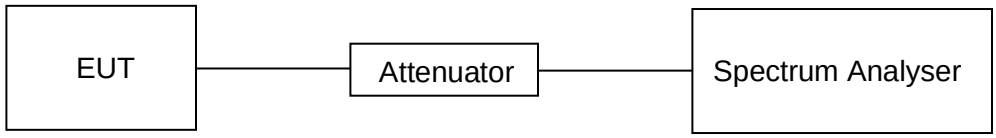
Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	100K
VBW	≥3 × RBW
Span	1.5 x DTS bandwidth
Trace	Max hold
Sweep time	Auto couple.

Use the peak marker function to determine the maximum PSD level.

Span	Set the center frequency and span to encompass frequency range to be measured
Detector	Peak
RBW	100K
VBW	≥3 × RBW
measurement points	≥span/RBW
Trace	Max hold
Sweep time	Auto couple.

Use the peak marker function to determine the maximum amplitude level**.**

TEST SETUP



TEST ENVIRONMENT

Temperature	22°C	Relative Humidity	56%
Atmosphere Pressure	101kPa	Test Voltage	AC 120V

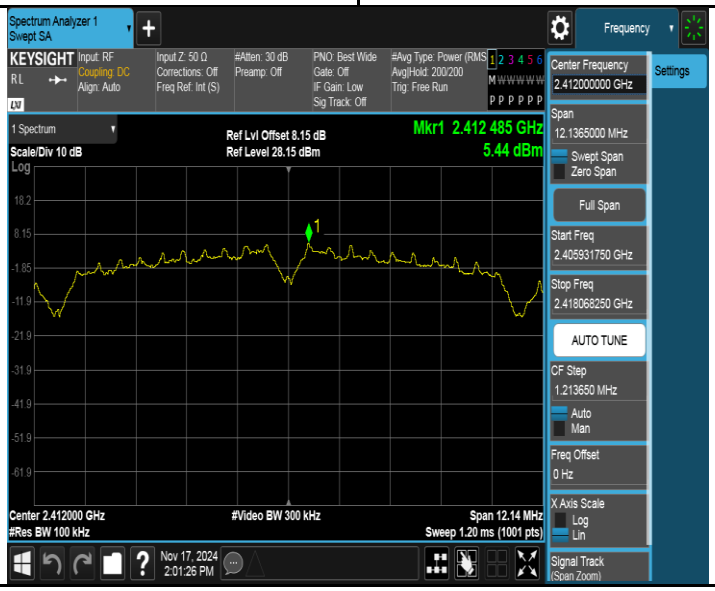
PART 1: REFERENCE LEVEL MEASUREMENT

TEST RESULTS TABLE

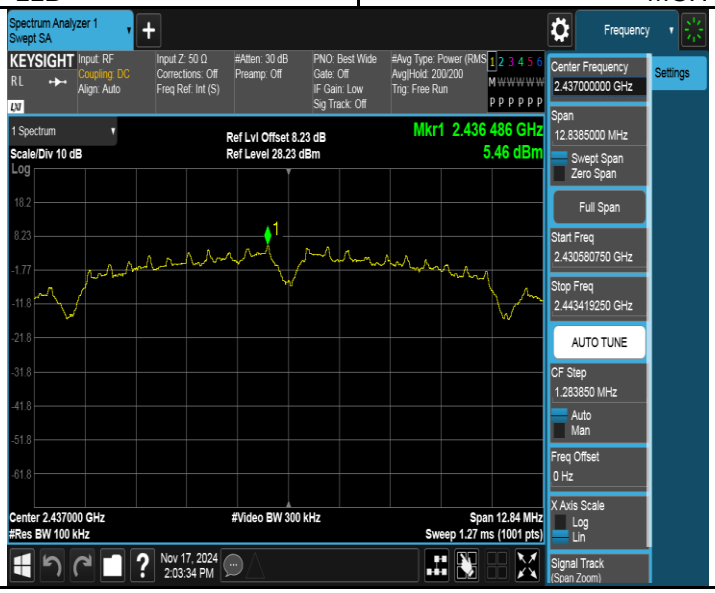
Test Mode	Test Channel	Result[dBm]
11B	LCH	5.44
	MCH	5.46
	HCH	5.96
11G	LCH	-1.07
	MCH	-1.45
	HCH	-1.12
11N HT20	LCH	-1.16
	MCH	-1.83
	HCH	-1.61
11N HT40	LCH	-4.99
	MCH	-4.65
	HCH	-3.88
11AX HE20	LCH	-1.52
	MCH	-1.31
	HCH	-1.14
11AX HE40	LCH	-4.83
	MCH	-4.78
	HCH	-4.49

TEST GRAPHS

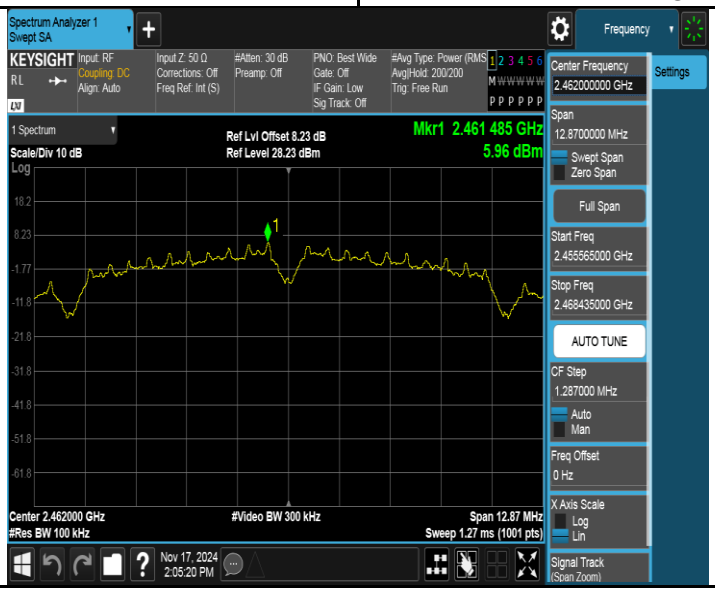
Test Mode	Channel
11B	LCH



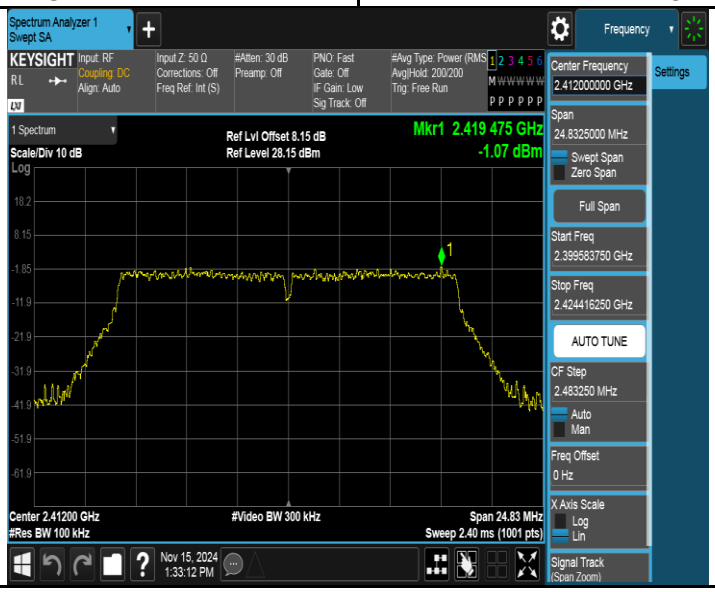
Test Mode	Channel
11B	MCH



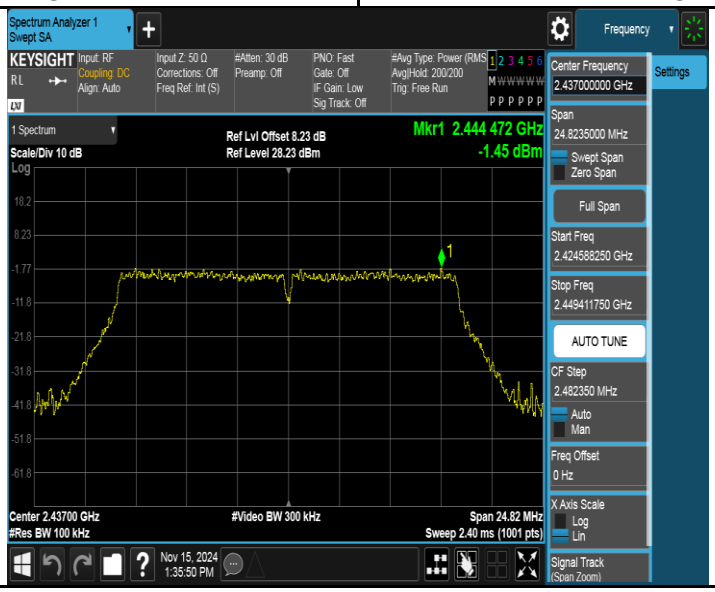
Test Mode	Channel
11B	HCH



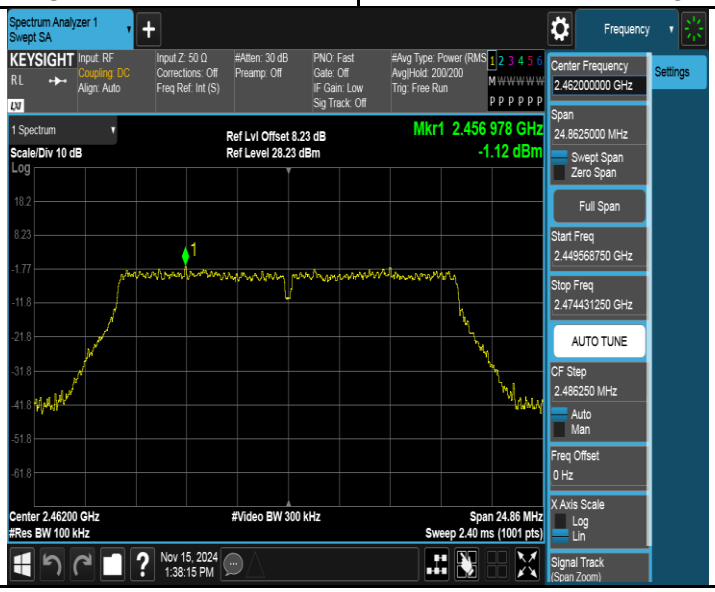
Test Mode	Channel
11G	LCH



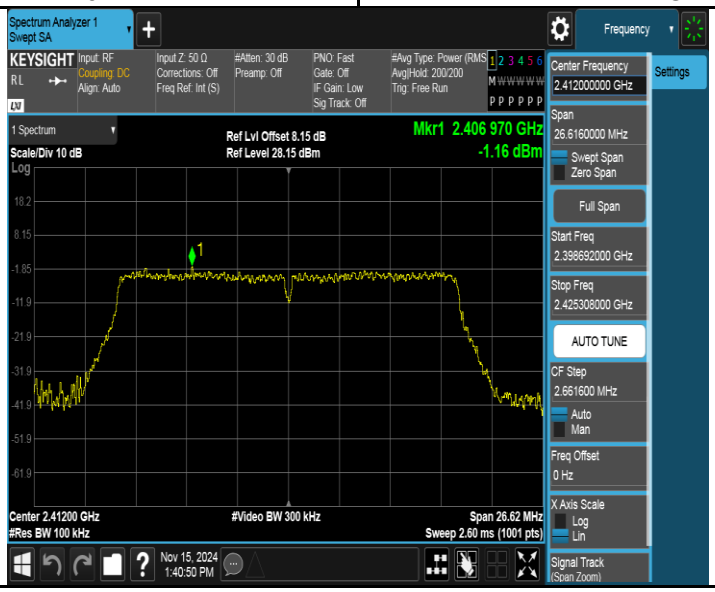
Test Mode	Channel
11G	MCH



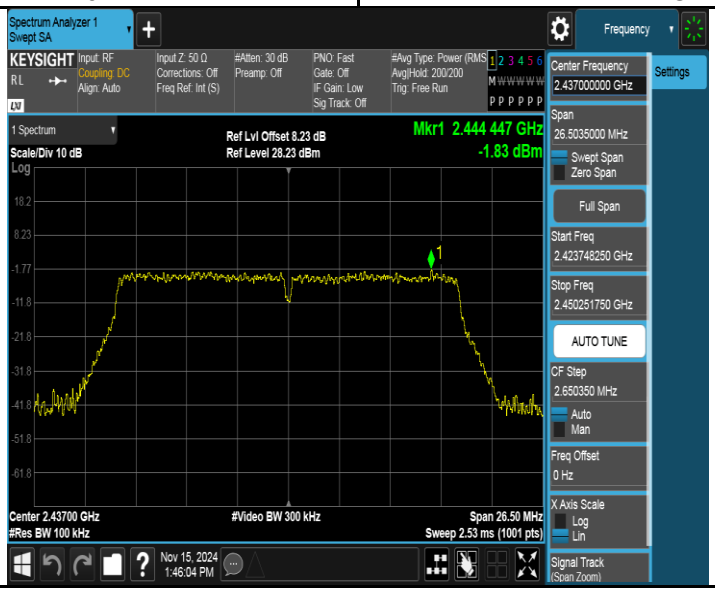
Test Mode	Channel
11G	HCH



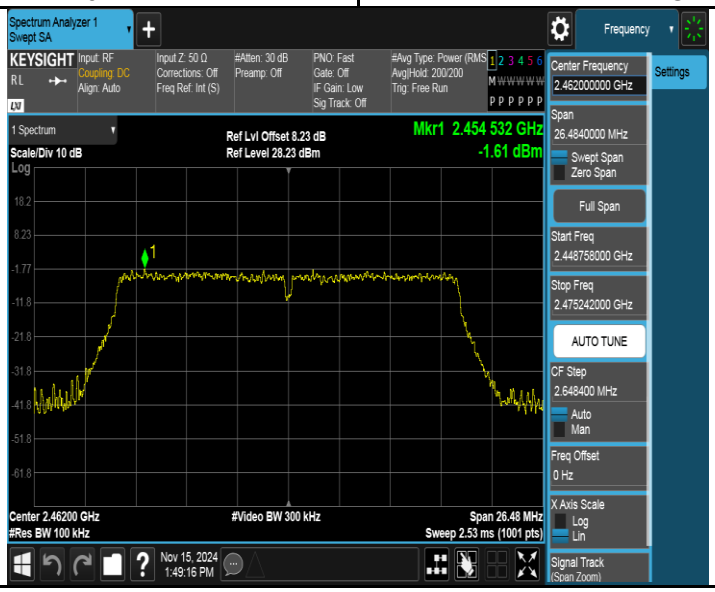
Test Mode	Channel
11N HT20	LCH



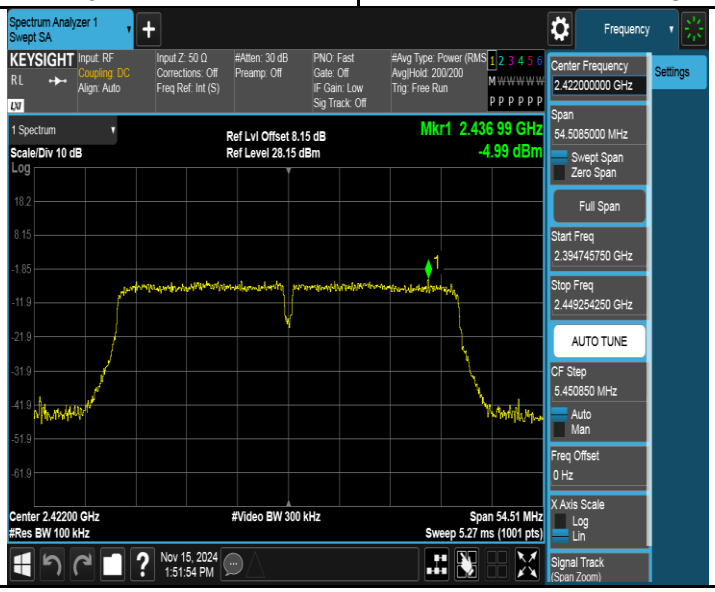
Test Mode	Channel
11N HT20	MCH



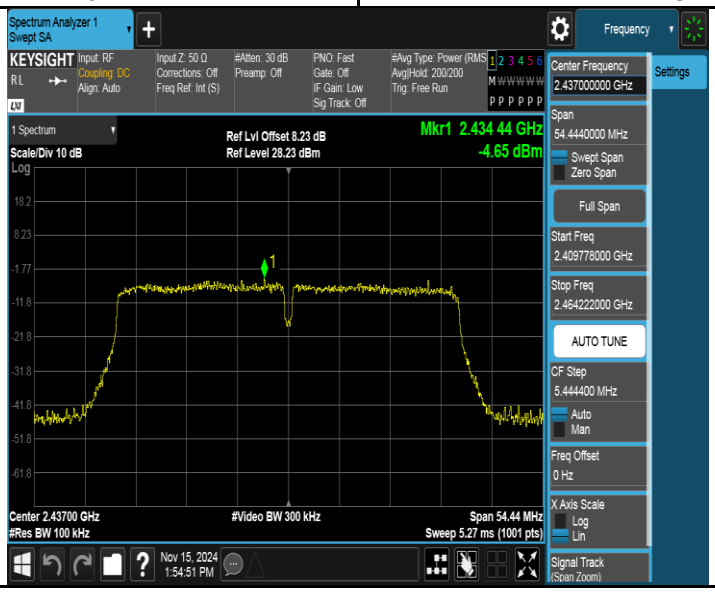
Test Mode	Channel
11N HT20	HCH



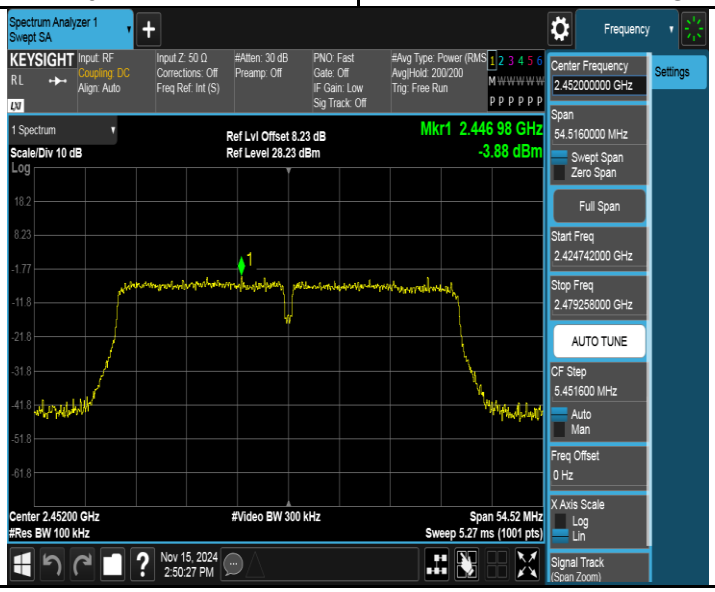
Test Mode	Channel
11N HT40	LCH



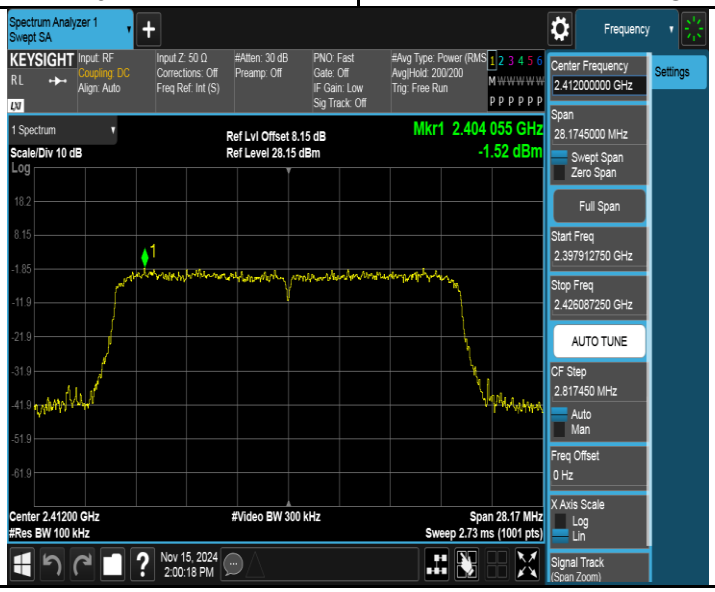
Test Mode	Channel
11N HT40	MCH



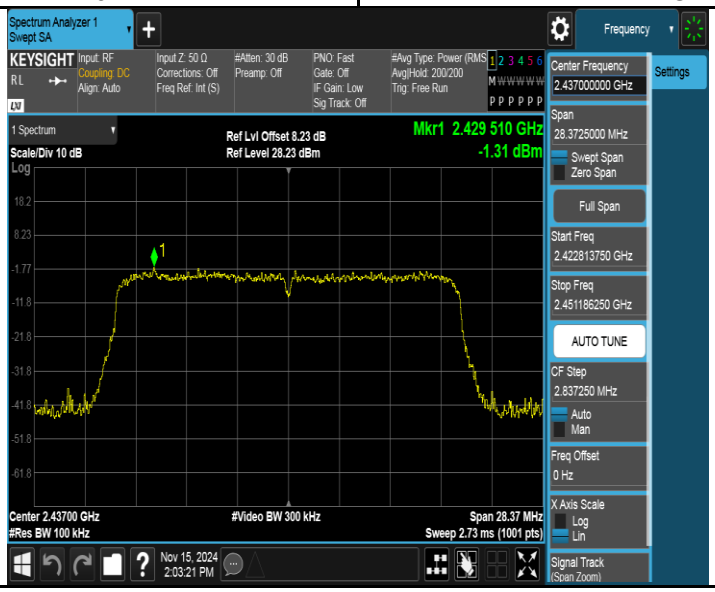
Test Mode	Channel
11N HT40	HCH



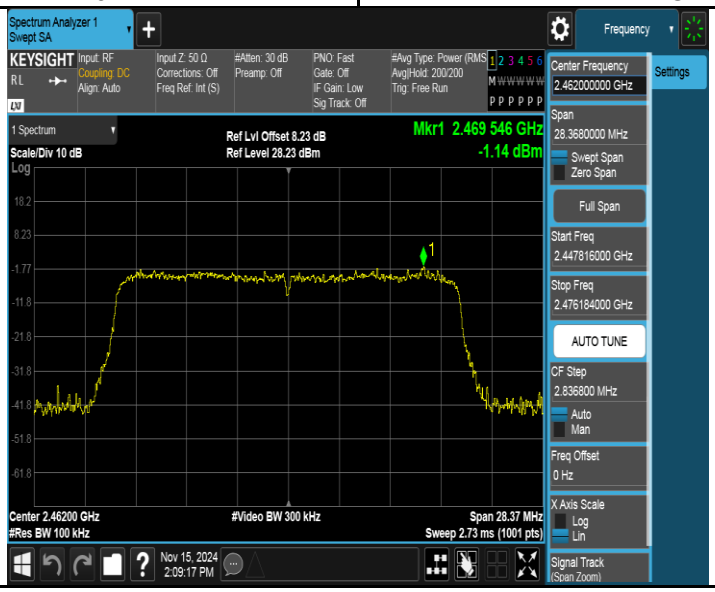
Test Mode	Channel
11AX HE20	LCH



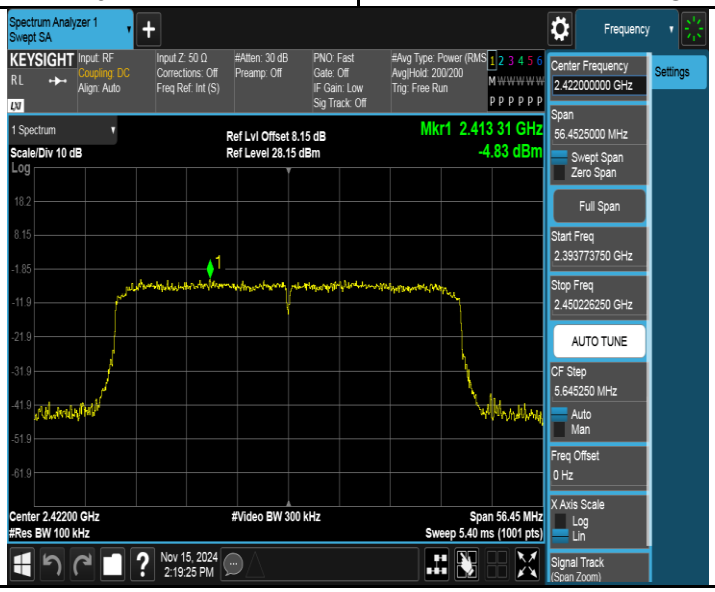
Test Mode	Channel
11AX HE20	MCH



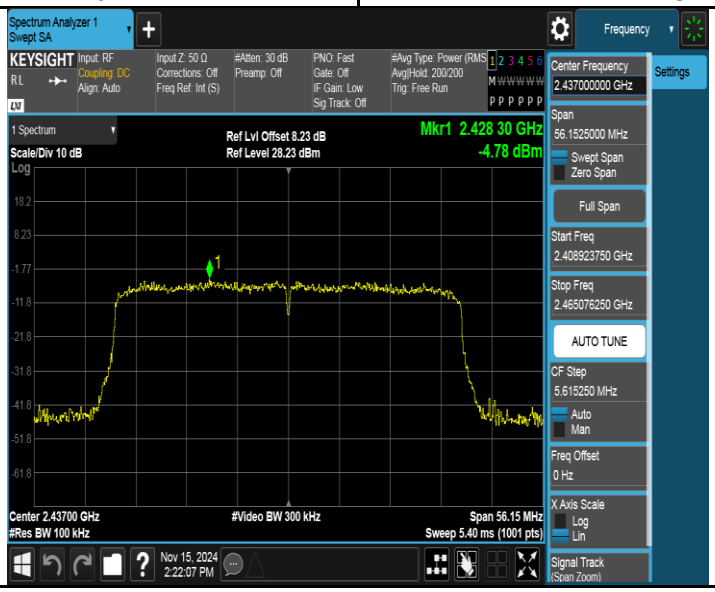
Test Mode	Channel
11AX HE20	HCH



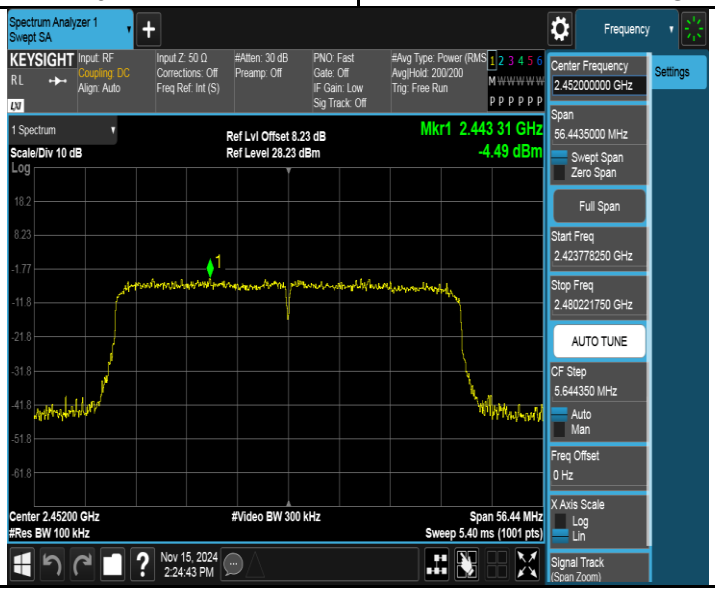
Test Mode	Channel
11AX HE40	LCH



Test Mode	Channel
11AX HE40	MCH



Test Mode	Channel
11AX HE40	HCH



PART 2: CONDUCTED BANDEDGE

TEST RESULTS TABLE

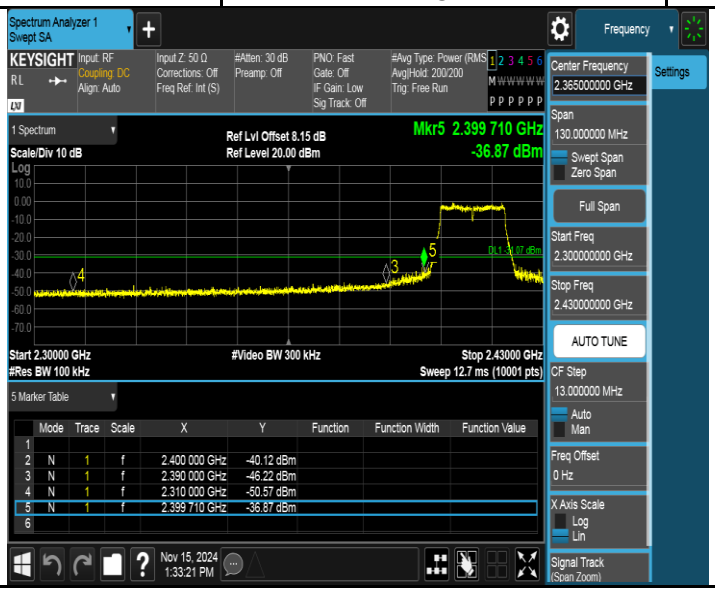
Test Mode	Test Channel	Result	Verdict
11B	LCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11G	LCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11N HT20	LCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11N HT40	LCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS

TEST GRAPHS

Test Mode	Test Channel	Verdict
11B	LCH	PASS

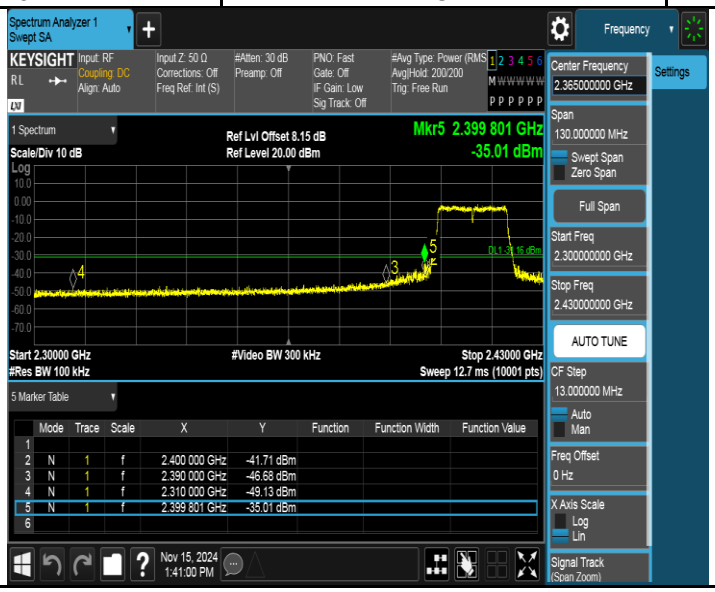
Test Mode	Test Channel	Verdict
11B	HCH	PASS

Test Mode	Test Channel	Verdict
11G	LCH	PASS

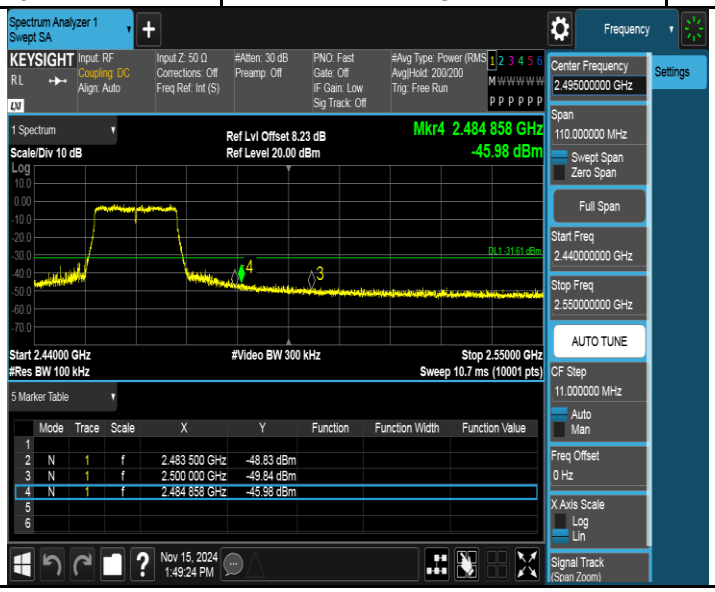


Test Mode	Test Channel	Verdict
11G	HCH	PASS

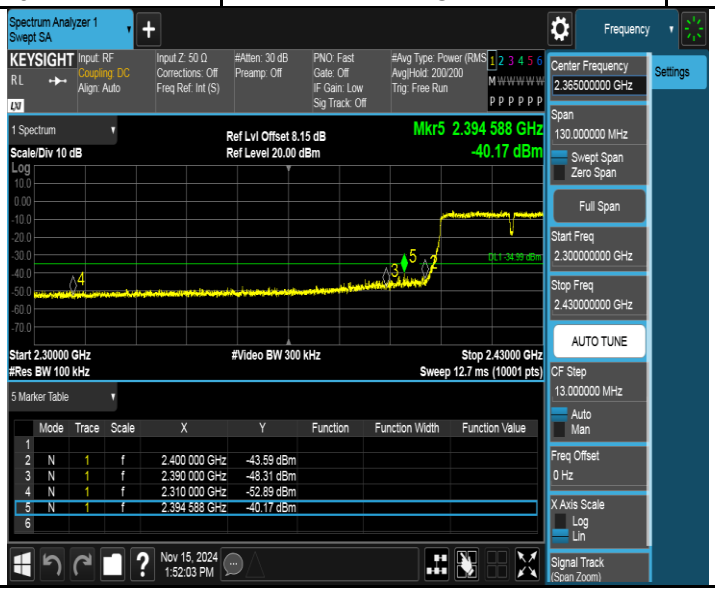
Test Mode	Test Channel	Verdict
11N HT20	LCH	PASS



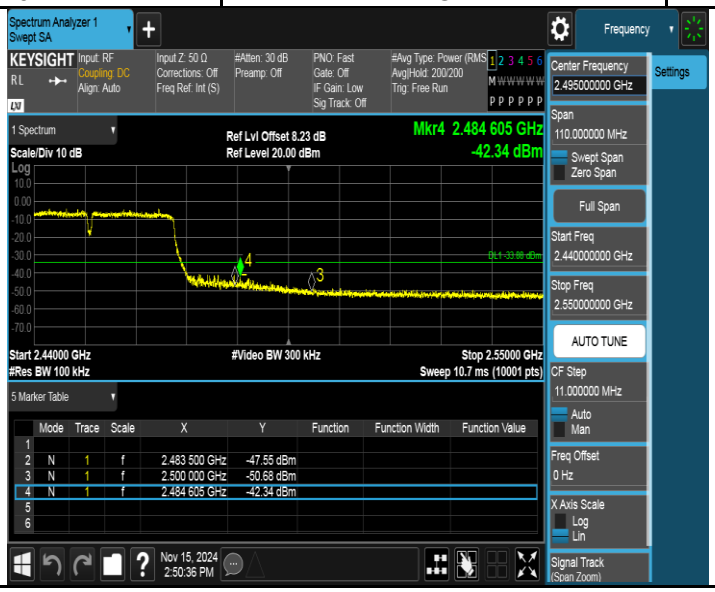
Test Mode	Test Channel	Verdict
11N HT20	HCH	PASS



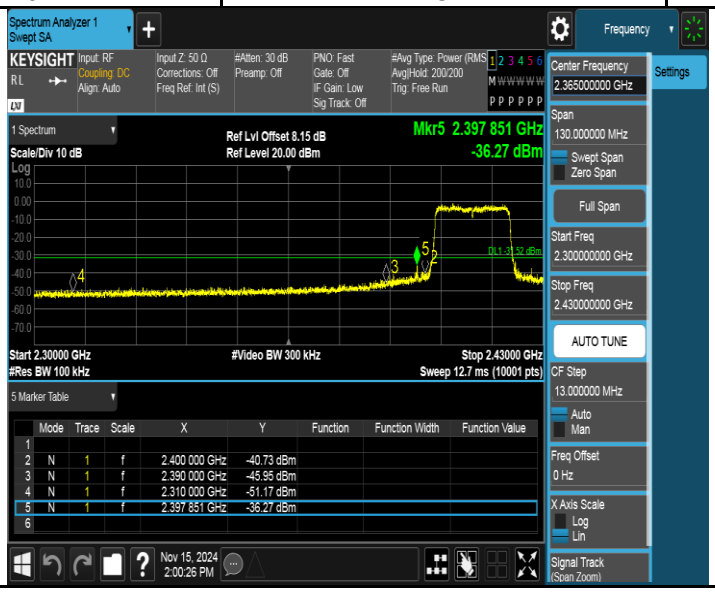
Test Mode	Test Channel	Verdict
11N HT40	LCH	PASS



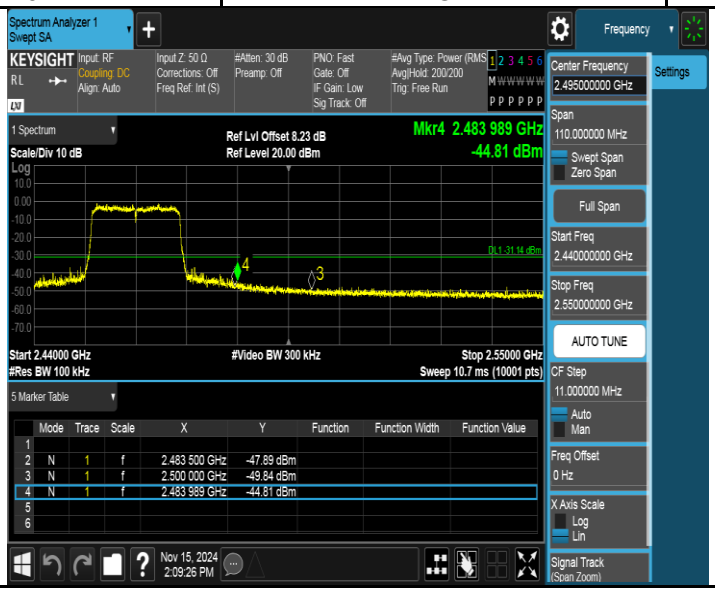
Test Mode	Test Channel	Verdict
11N HT40	HCH	PASS



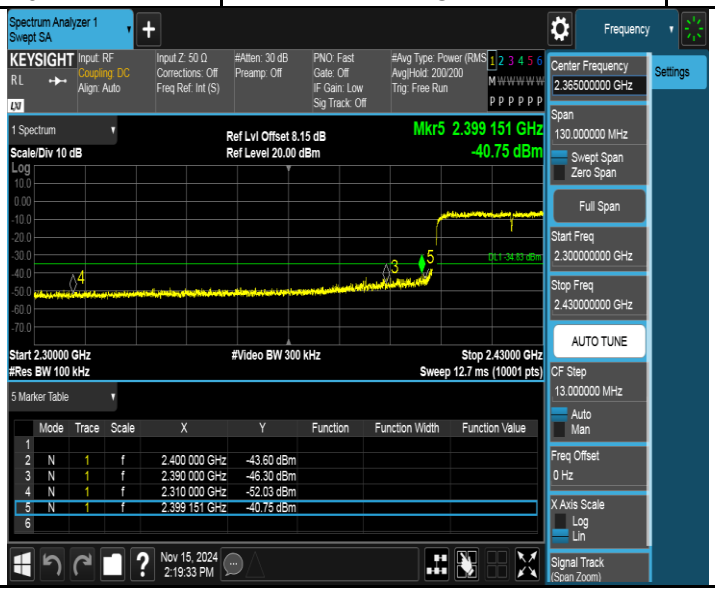
Test Mode	Test Channel	Verdict
11AX HE20	LCH	PASS



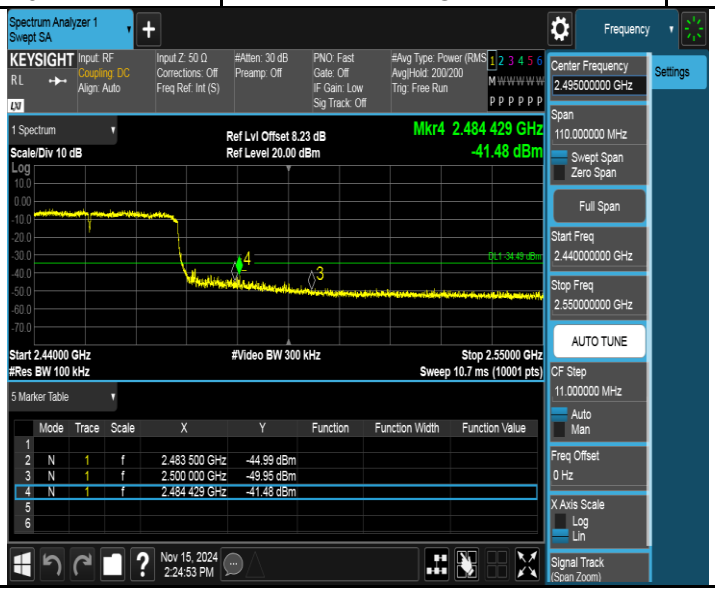
Test Mode	Test Channel	Verdict
11AX HE20	HCH	PASS



Test Mode	Test Channel	Verdict
11AX HE40	LCH	PASS



Test Mode	Test Channel	Verdict
11AX HE40	HCH	PASS



PART 3: CONDUCTED SPURIOUS EMISSION

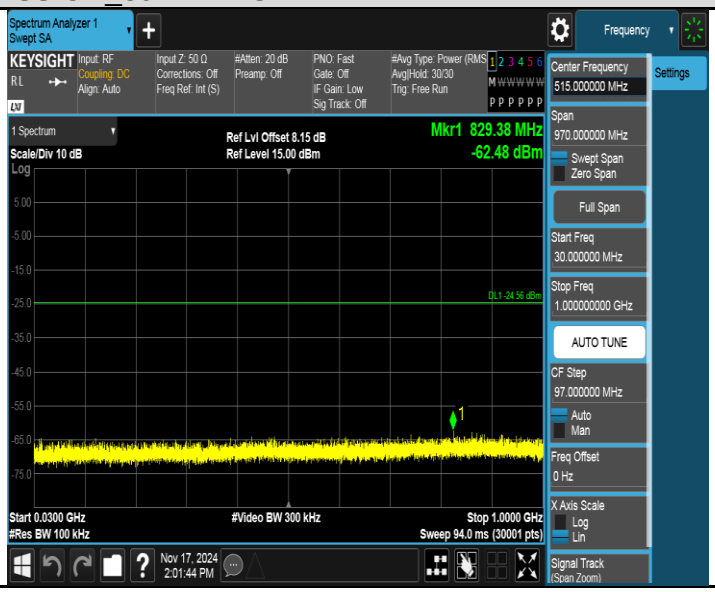
TEST RESULTS TABLE

Test Mode	Test Channel	Result	Verdict
11B	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11G	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11N HT20	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11N HT40	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11AX HE20	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS
11AX HE40	LCH	Refer to the Test Graph	PASS
	MCH	Refer to the Test Graph	PASS
	HCH	Refer to the Test Graph	PASS

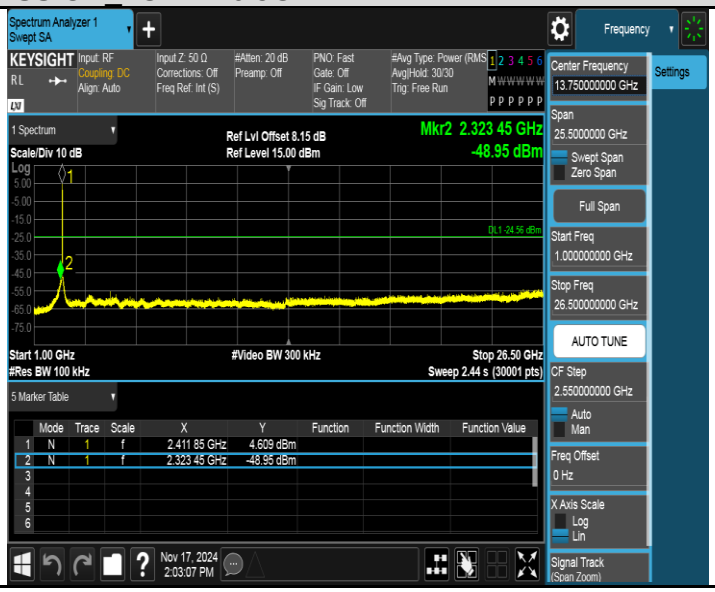
TEST GRAPHS

Test Mode	Channel	Verdict
11B	LCH	PASS

LCH SPURIOUS EMISSION_30MHz~1GHz

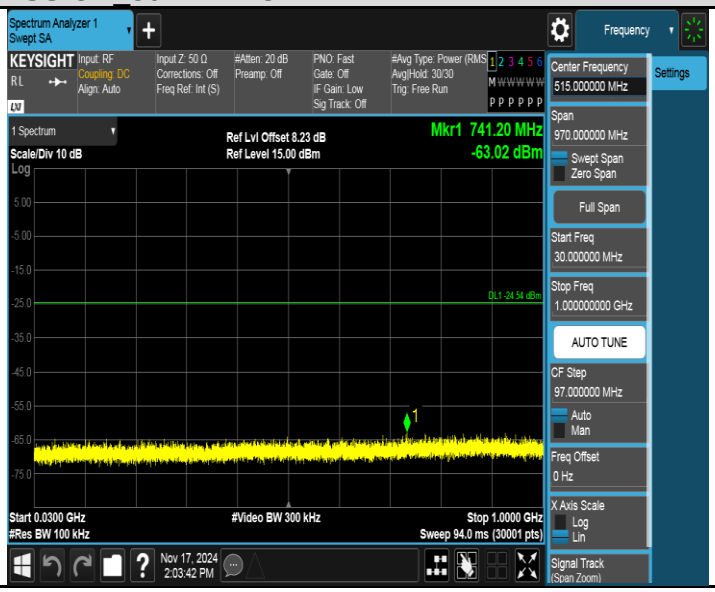


LCH SPURIOUS EMISSION_1GHz~26.5GHz



Test Mode	Channel	Verdict
11B	MCH	PASS

MCH SPURIOUS EMISSION_30MHz~1GHz



MCH SPURIOUS EMISSION_1GHz~26.5GHz