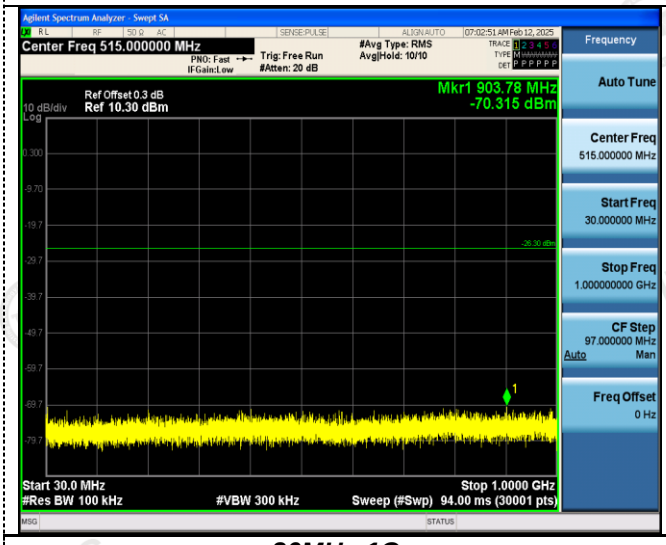
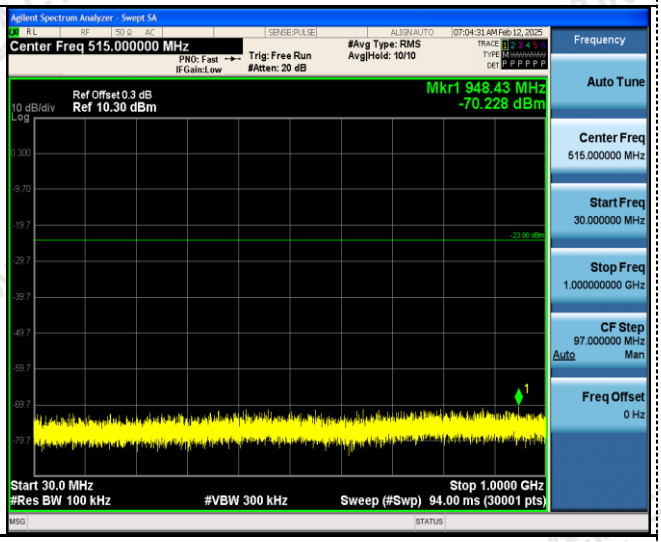
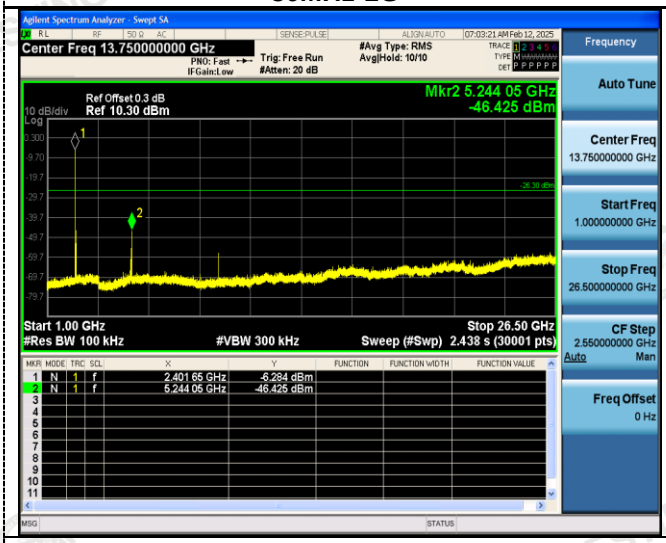
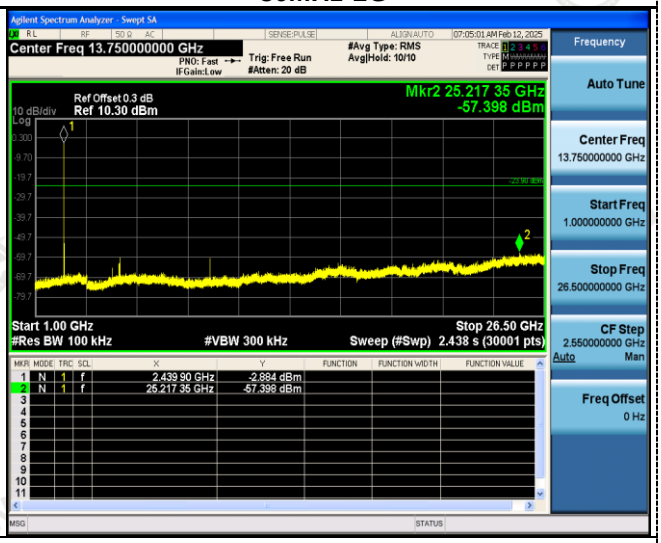
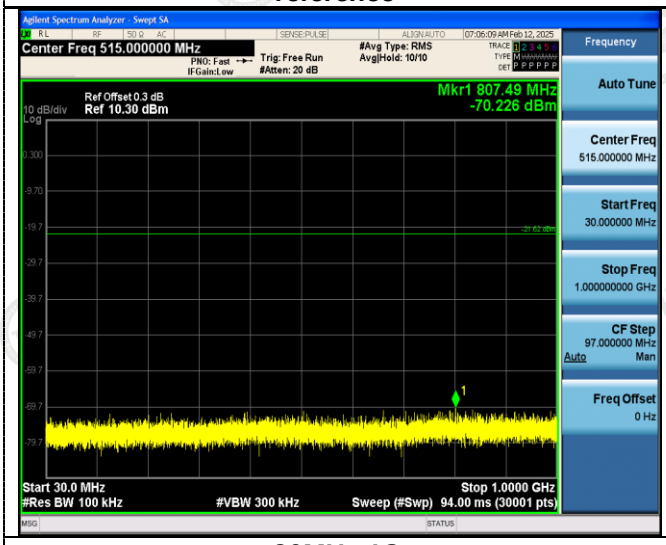
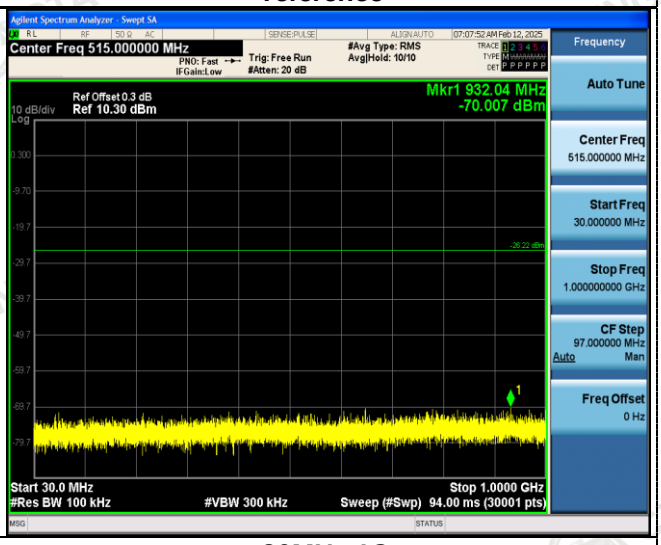
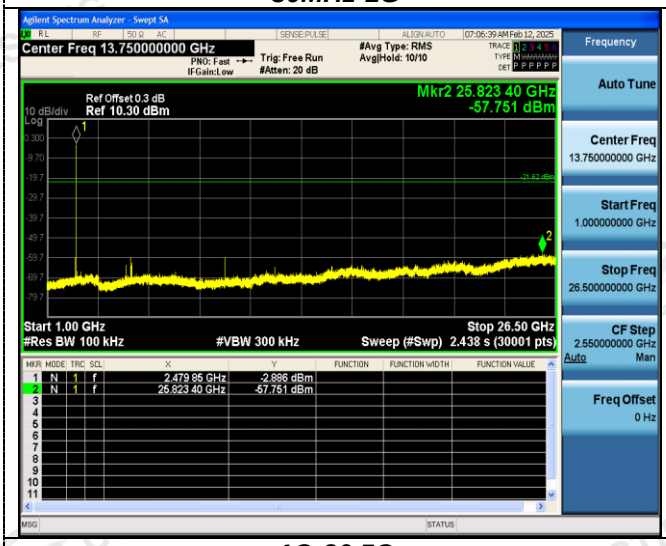
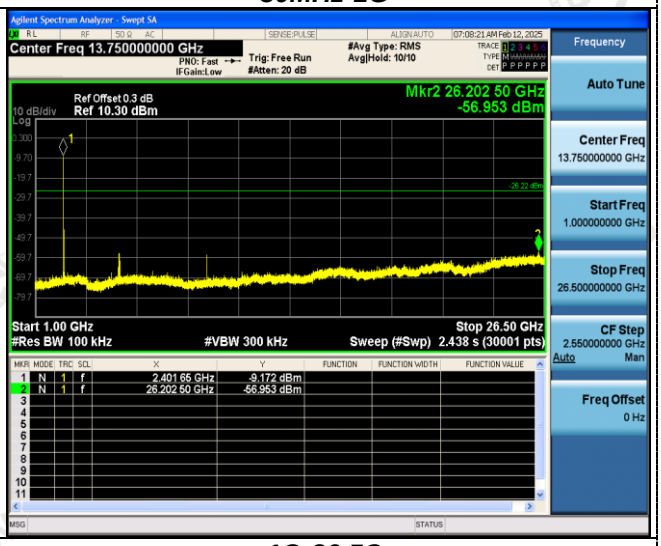
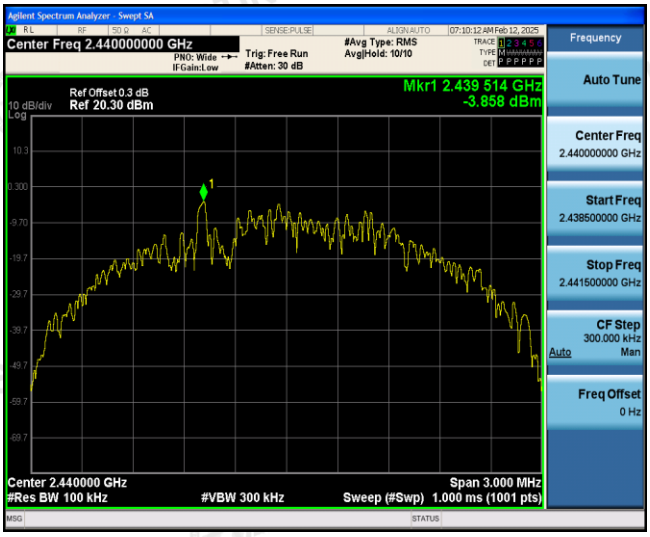
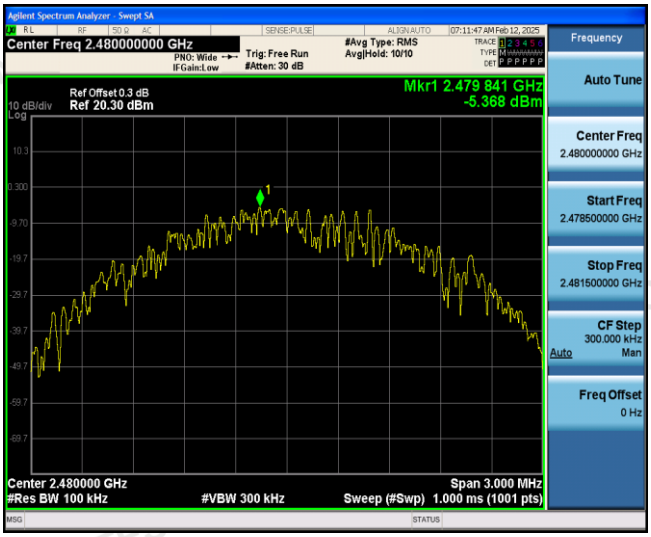
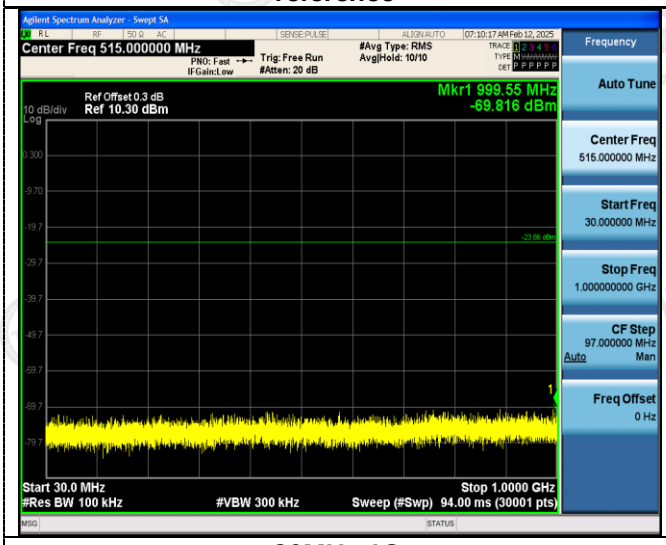
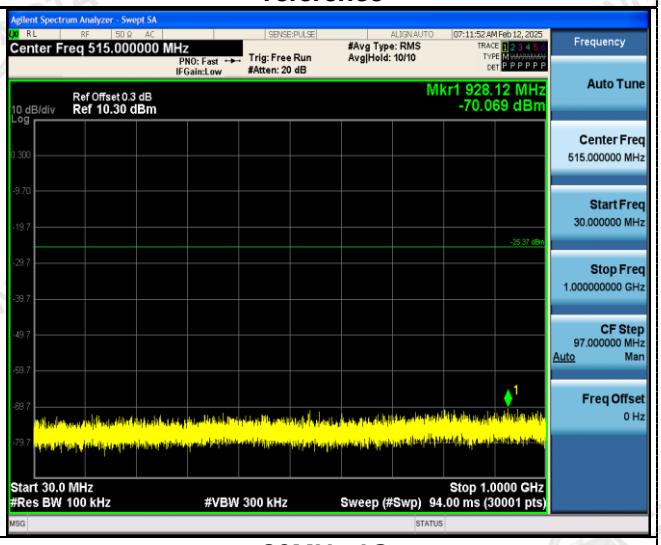
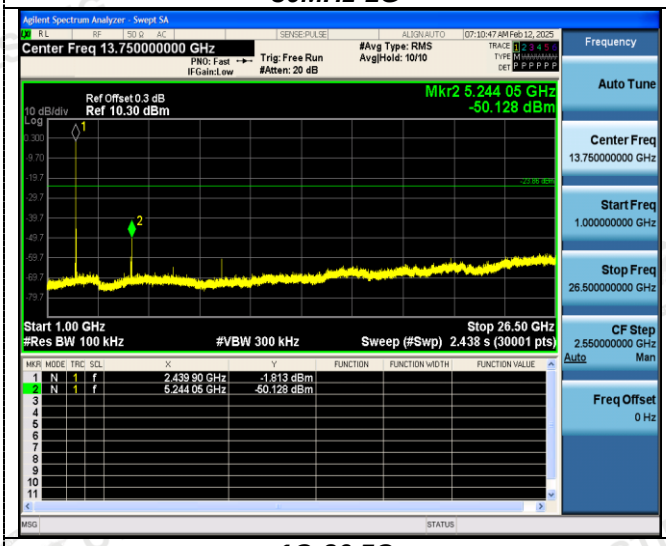
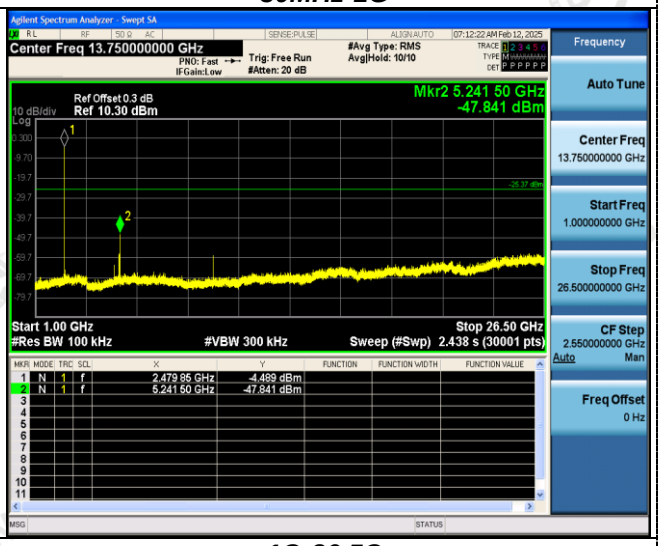
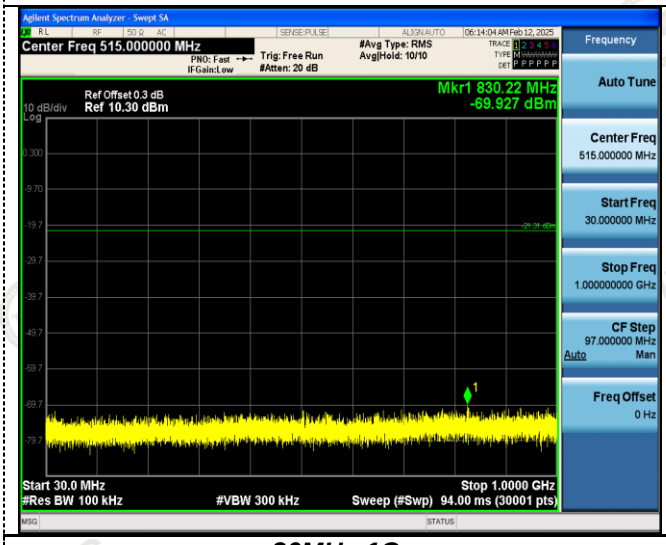
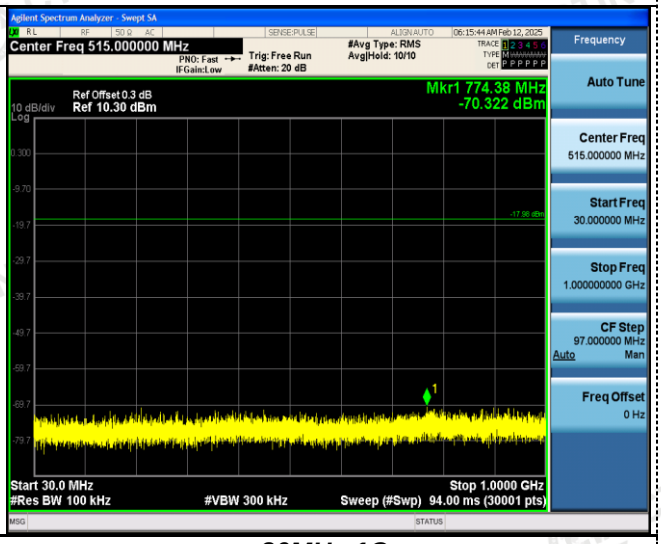
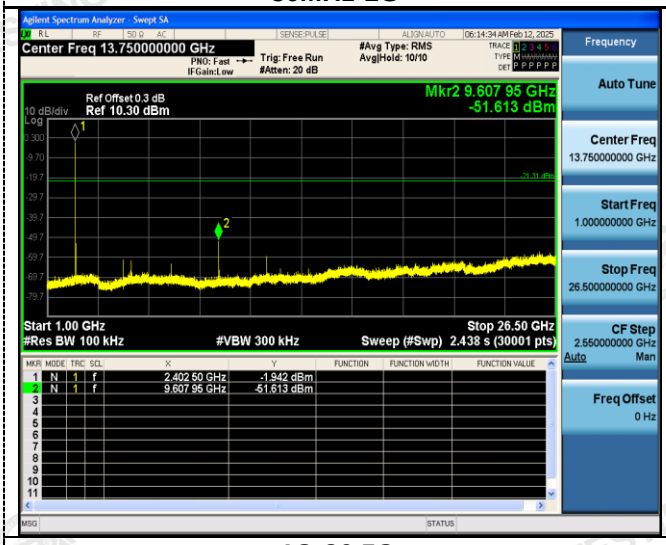
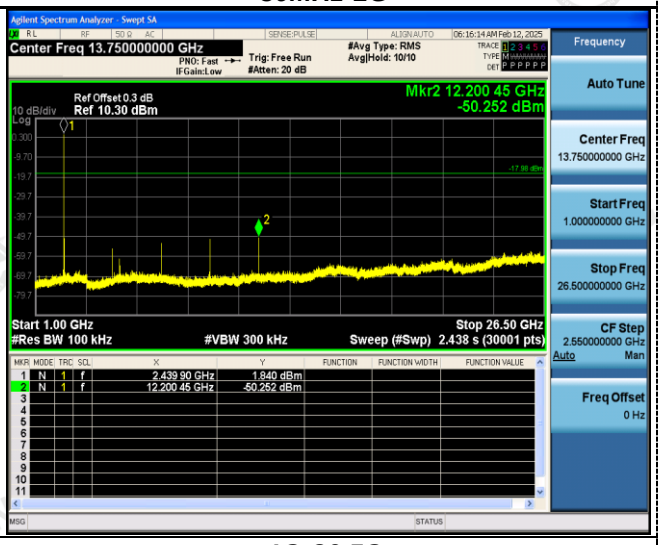
Left:

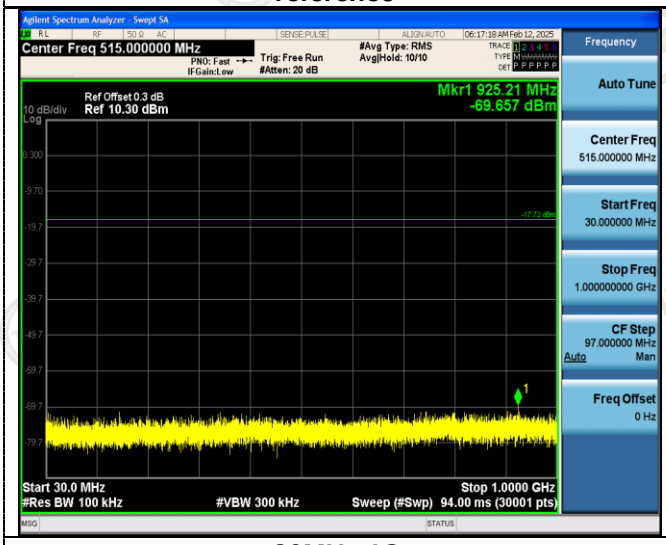
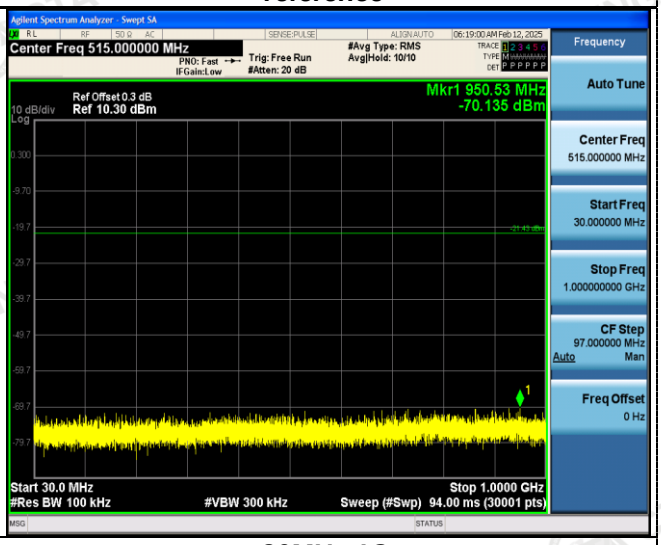
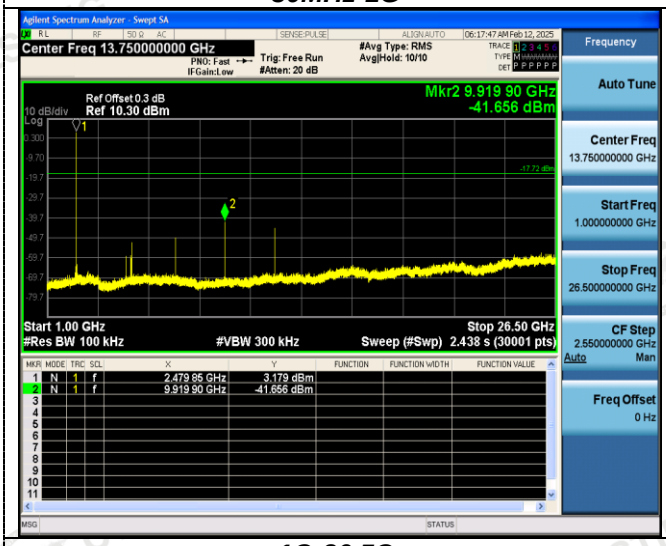
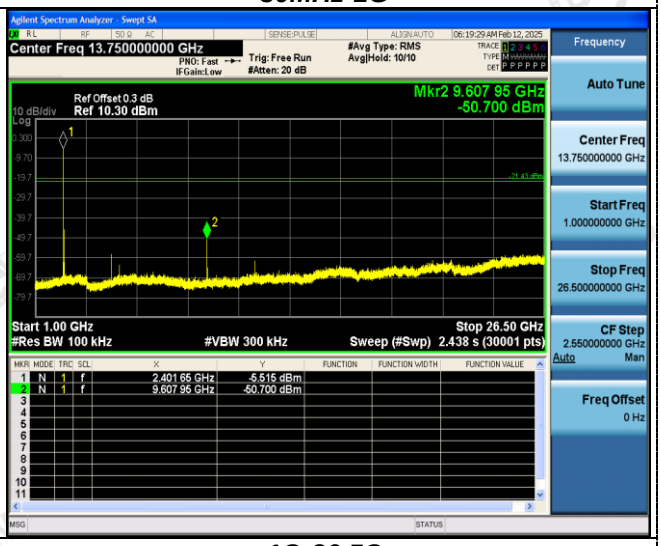
GFSK 1Mbps (CH00)	GFSK 1Mbps (CH19)
reference	reference
	
30MHz-1G	30MHz-1G
	
1G-26.5G	1G-26.5G

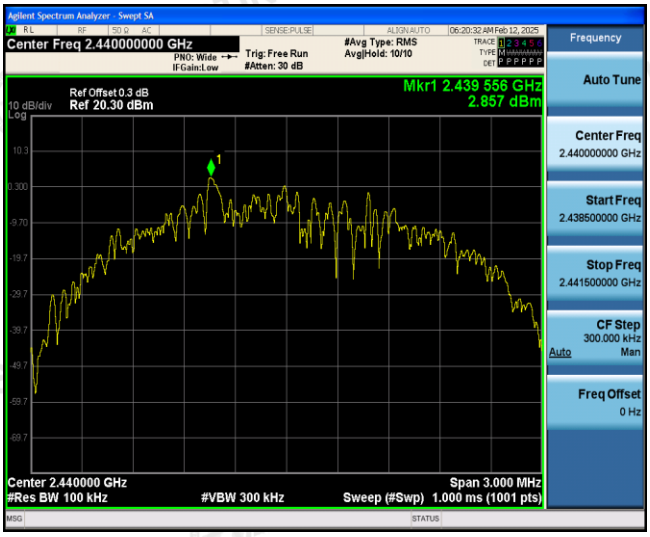
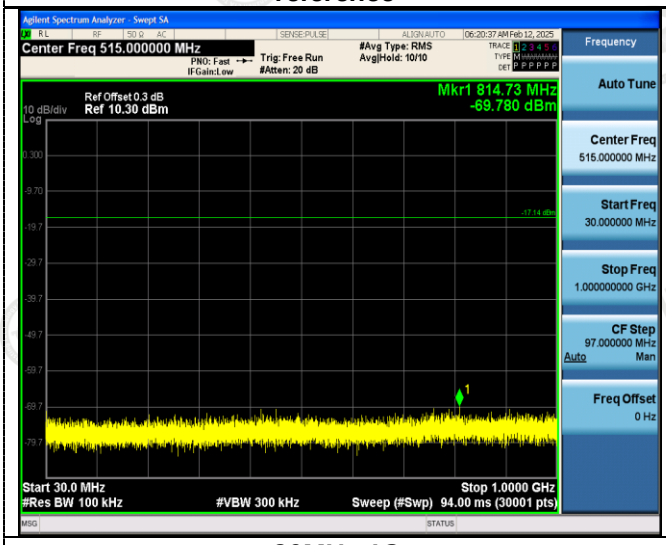
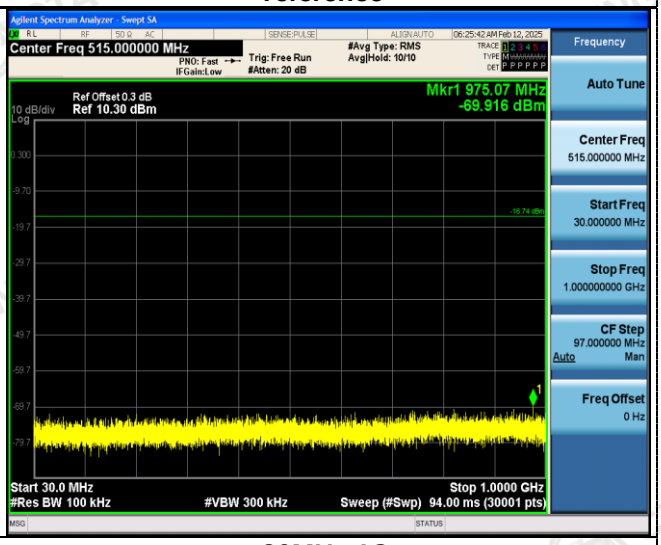
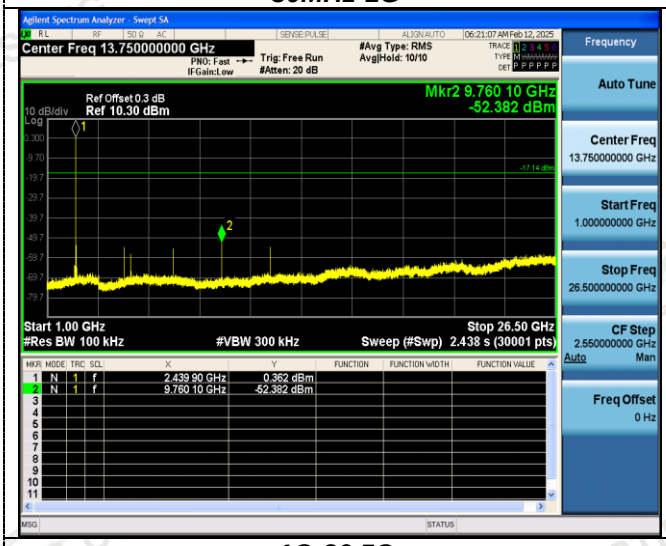
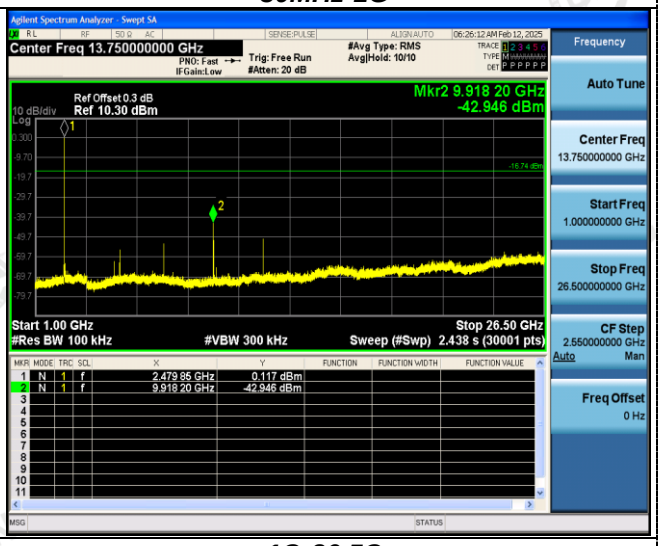
GFSK 1Mbps (CH39)	GFSK 2Mbps (CH00)
reference	reference
	
30MHz-1G	30MHz-1G
	
1G-26.5G	1G-26.5G

GFSK 2Mbps (CH19)	GFSK 2Mbps (CH39)
	
reference	reference
	
30MHz-1G	30MHz-1G
	
1G-26.5G	1G-26.5G

Right:

GFSK 1Mbps (CH00)	GFSK 1Mbps (CH19)
reference	reference
	
30MHz-1G	30MHz-1G
	
1G-26.5G	1G-26.5G

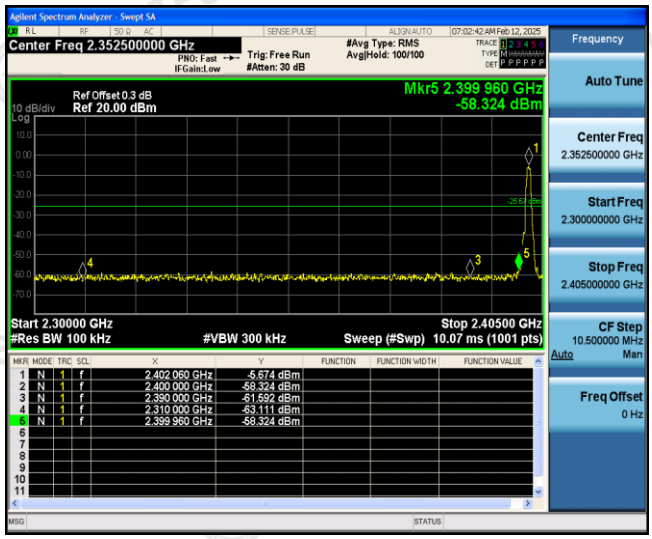
GFSK 1Mbps (CH39)	GFSK 2Mbps (CH00)
reference	reference
	
30MHz-1G	30MHz-1G
	
1G-26.5G	1G-26.5G

GFSK 2Mbps (CH19)	GFSK 2Mbps (CH39)
	
reference	reference
	
30MHz-1G	30MHz-1G
	
1G-26.5G	1G-26.5G

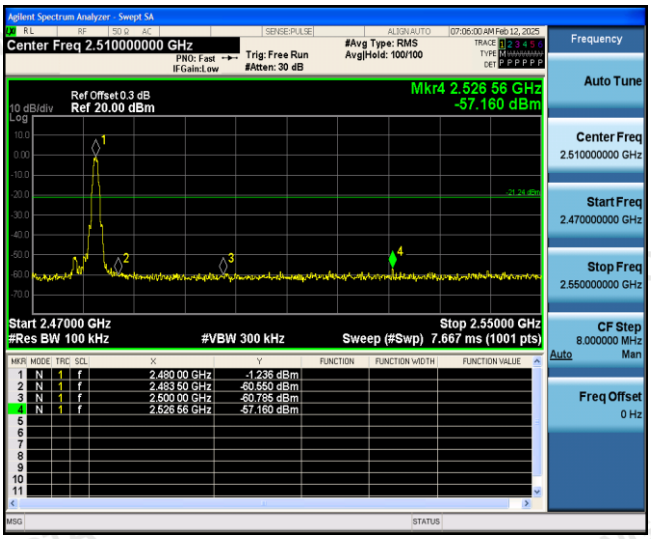
Band-edge Measurements for RF Conducted Emissions:

Left:

BLE GFSK 1Mpbs

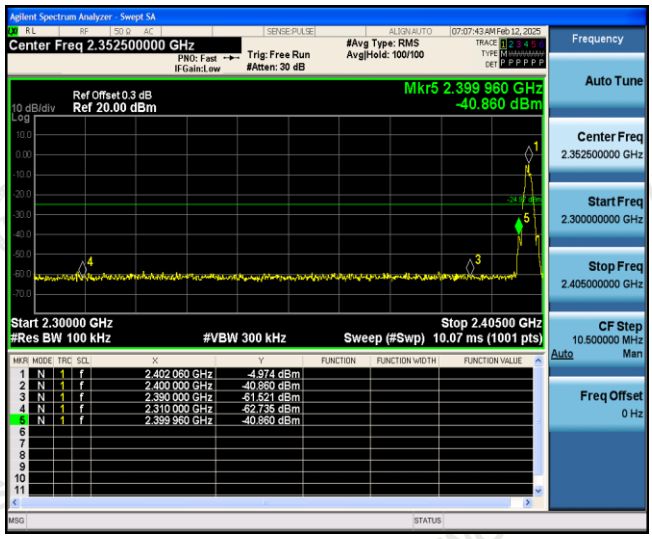


Left bandedge

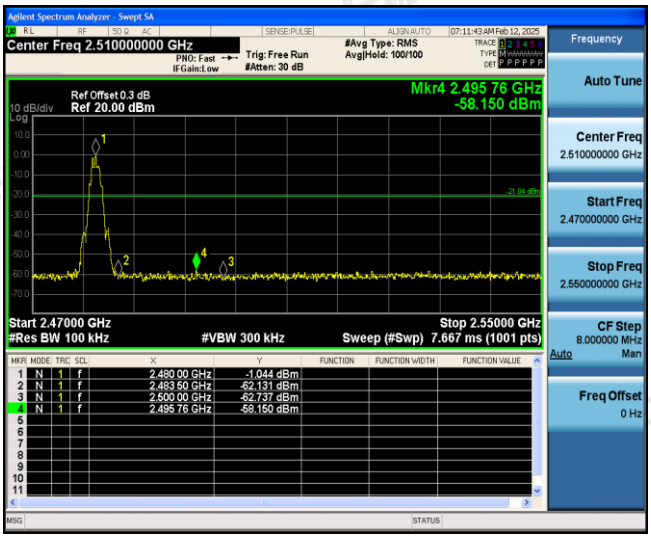


Right bandedge

BLE GFSK 2Mpbs

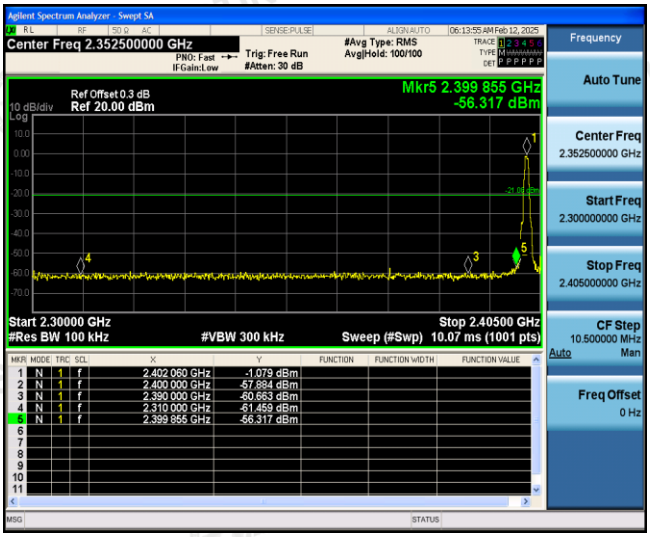
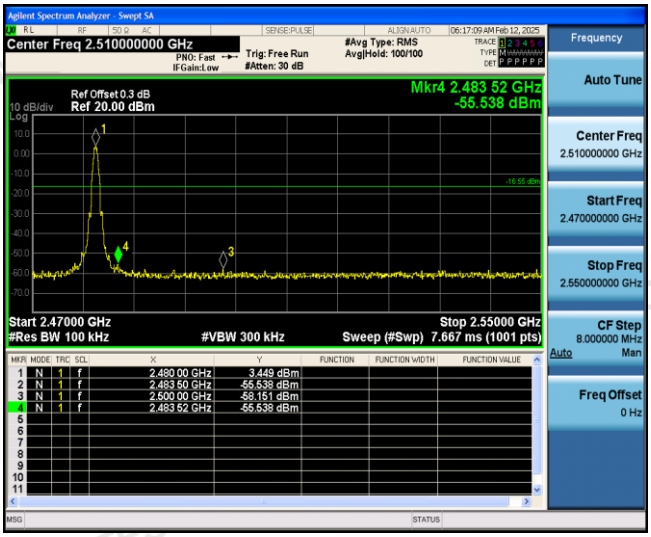


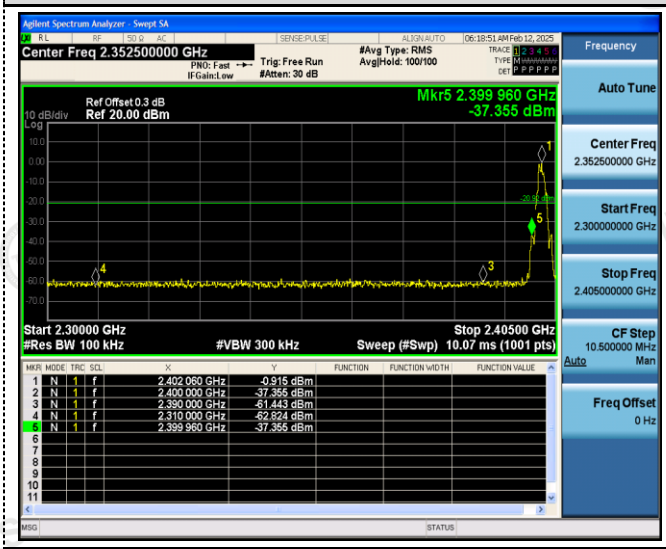
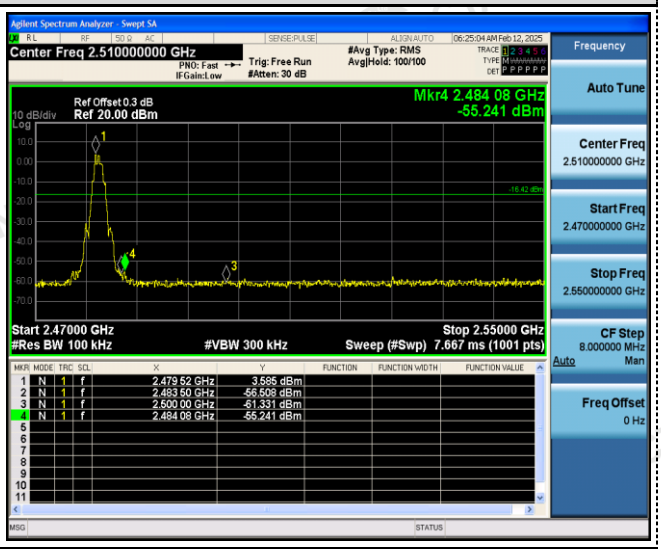
Left bandedge



Right bandedge

Right:

BLE GFSK 1Mpbs	
	
Left bandedge	Right bandedge

BLE GFSK 2Mpbs	
	
Left bandedge	Right bandedge

4.7 Antenna Requirement

Standard Applicable

For intentional device, according to RSS-Gen 6.8:

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 an 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

For intentional device, according to FCC 47 CFR 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 an 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

FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1) (I):

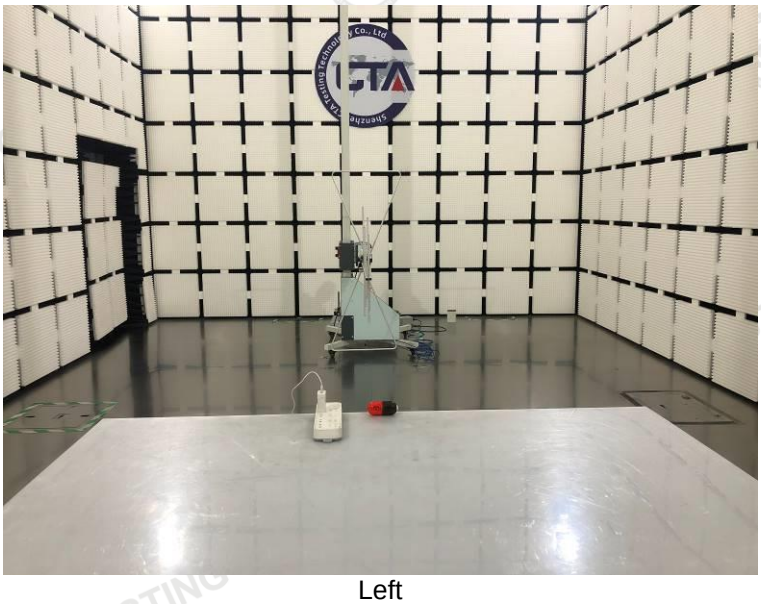
(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

Test Result:

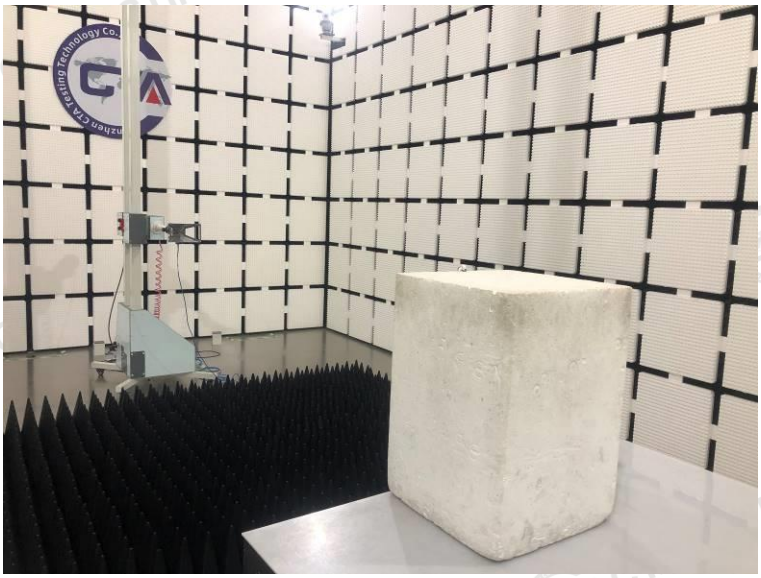
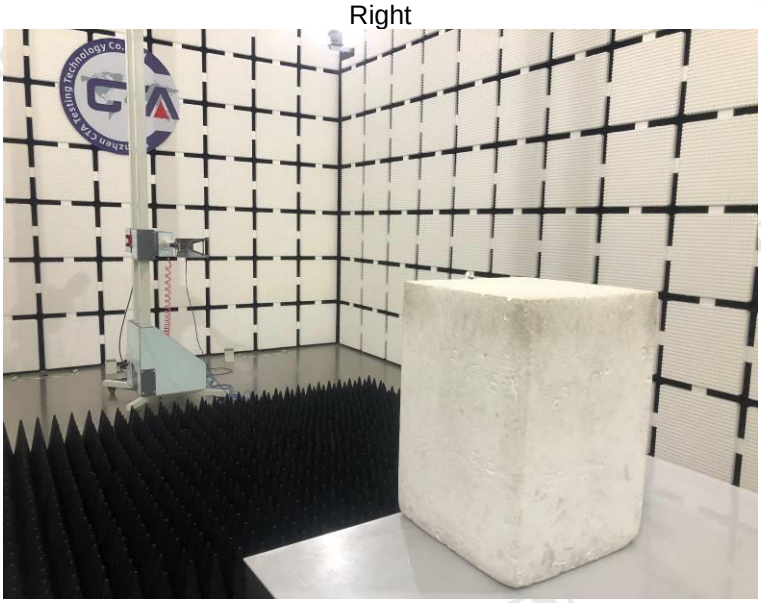
The maximum gain of antenna was 1.9 dBi.

Remark:The antenna gain is provided by the customer , if the data provided by the customer is not accurate, Shenzhen CTA Testing Technology Co., Ltd. does not assume any responsibility.

5 Test Setup Photos of the EUT



Left



Right