3.4.6 Test Result of 99% Occupied Bandwidth

Please refer to Appendix A.

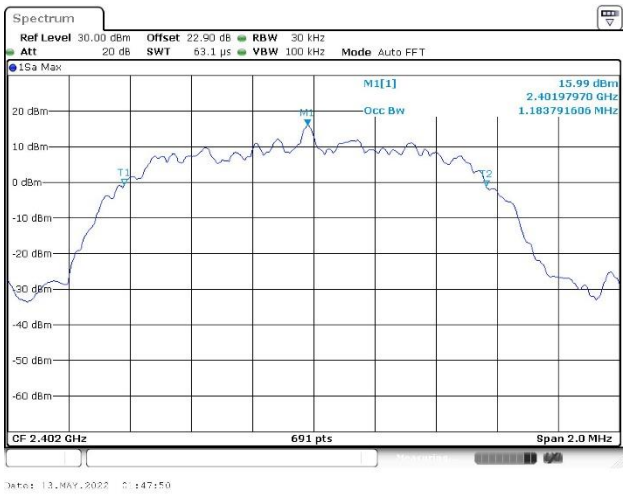
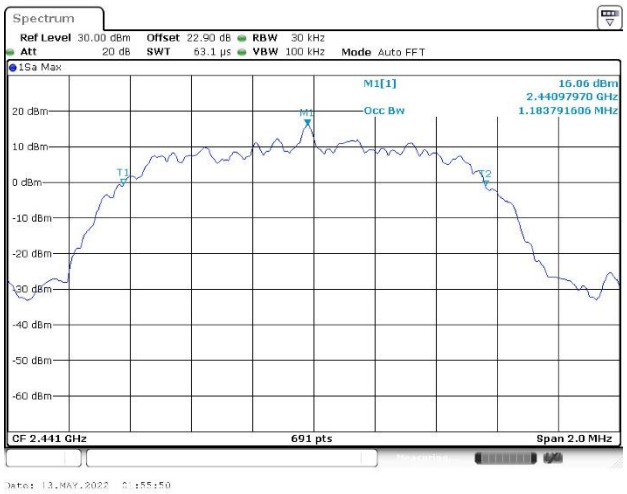
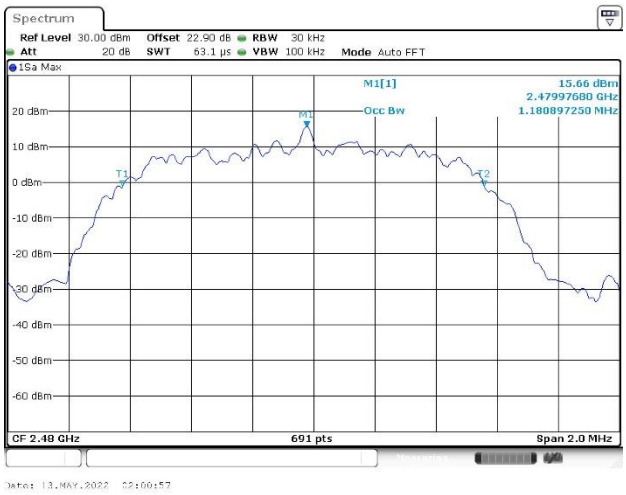
<Ant. 4>

<1Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

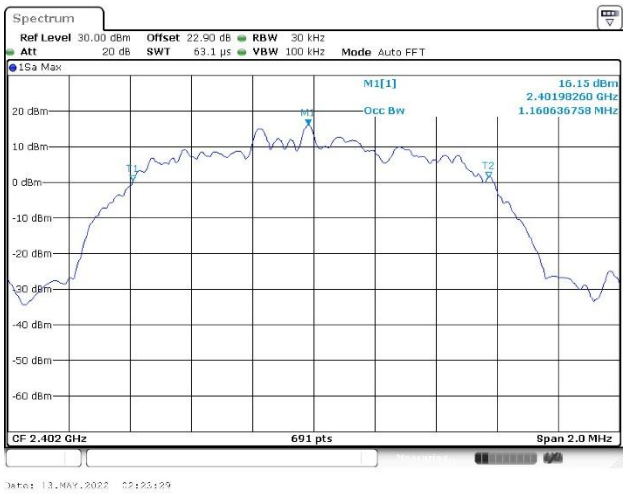
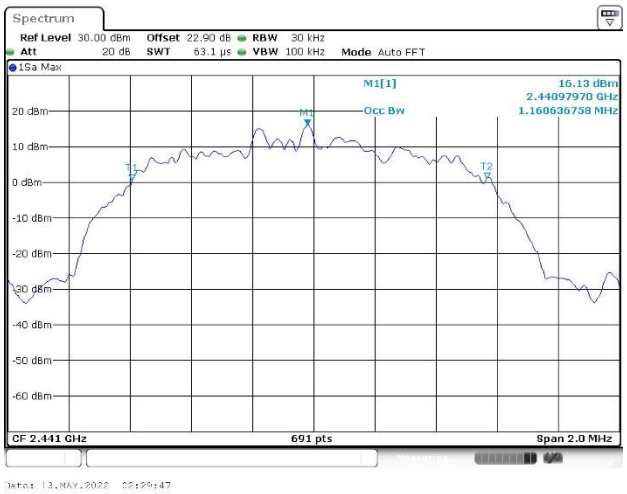
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<2Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

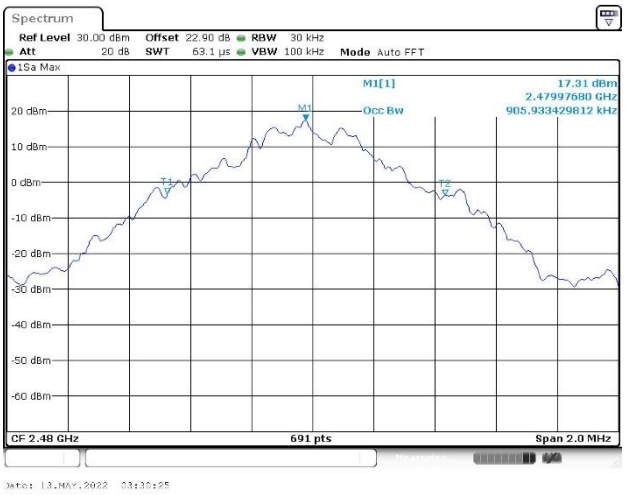
<3Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

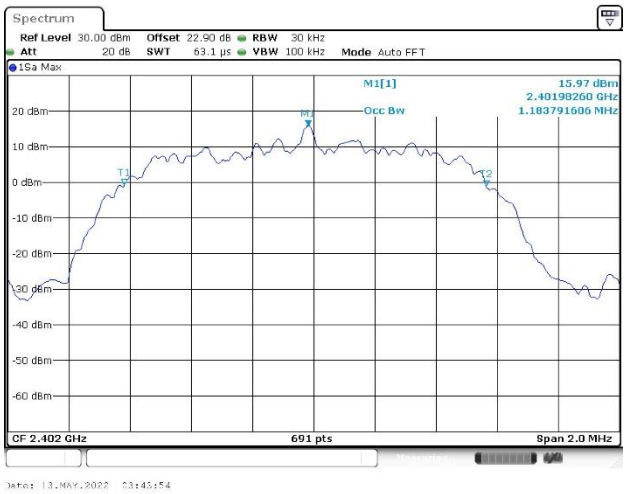
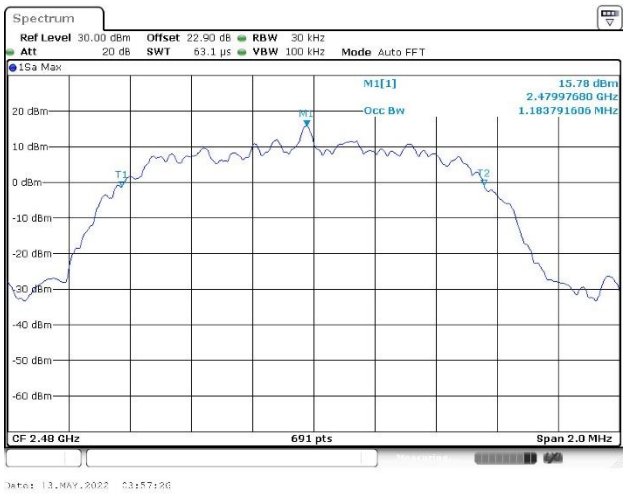
<Ant. 3>

<1Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

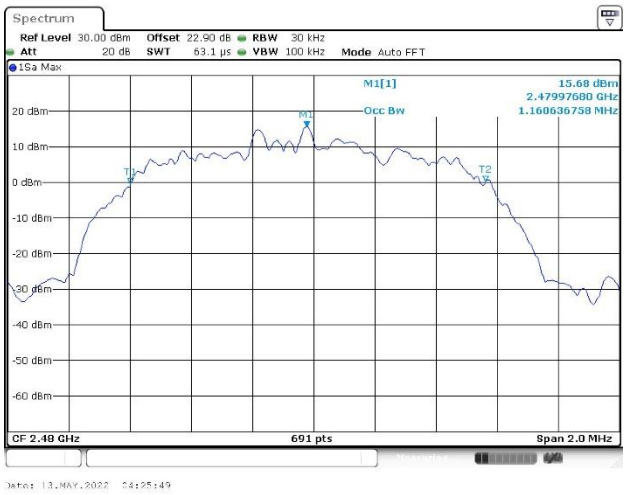
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<2Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

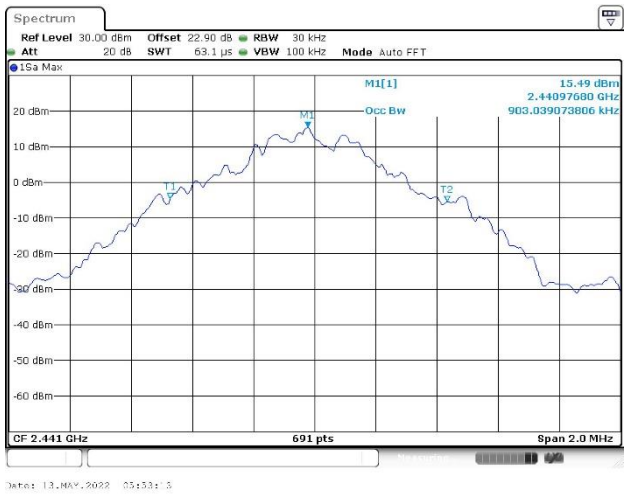
<3Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

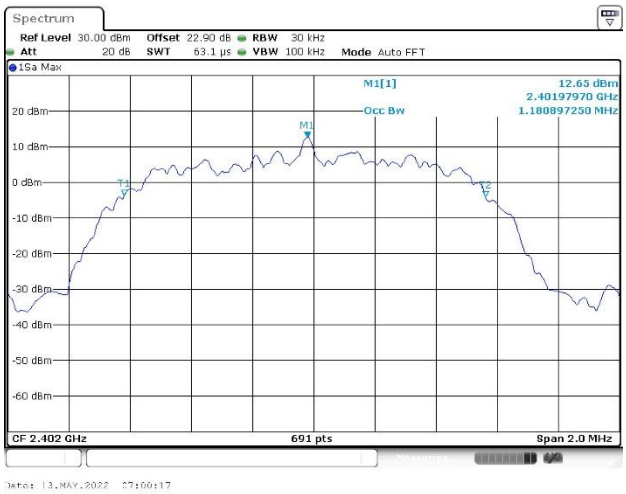
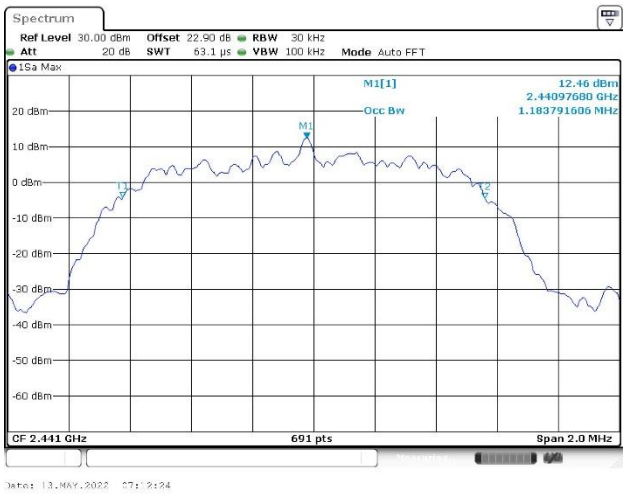
MIMO <Ant. 4>

<1Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

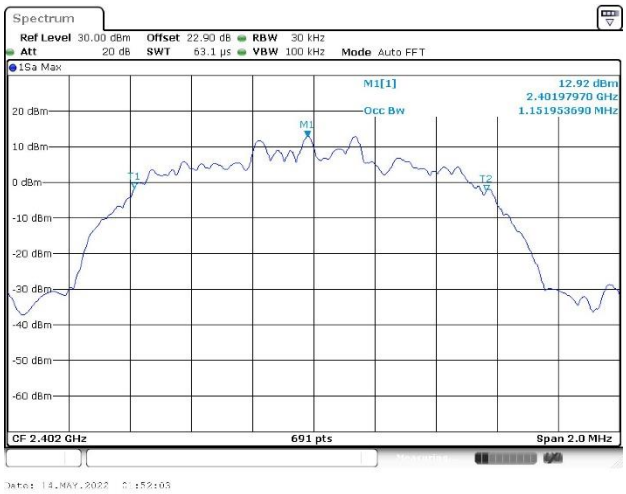
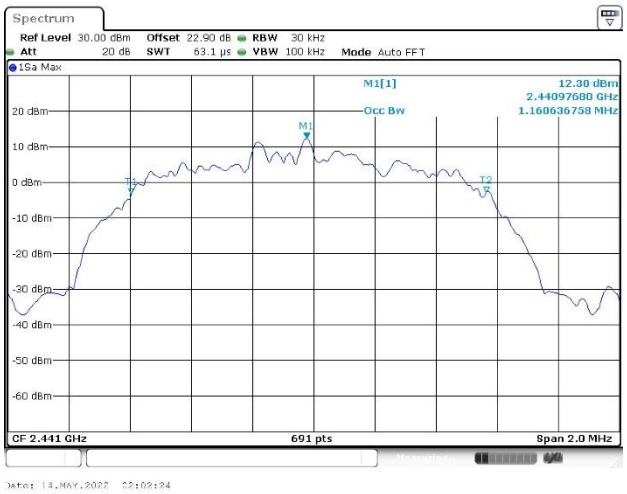
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<2Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<3Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

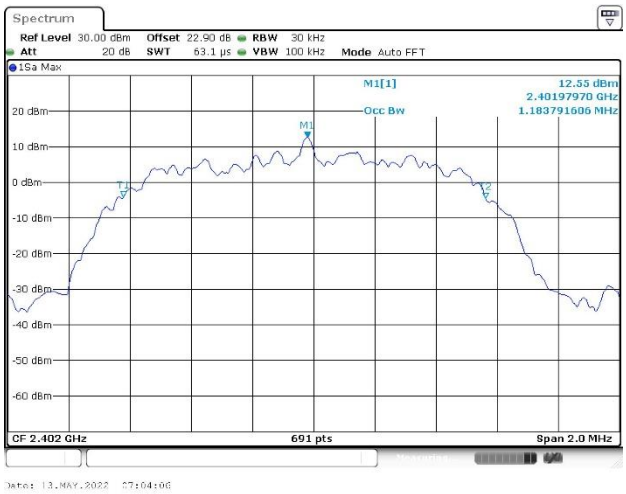
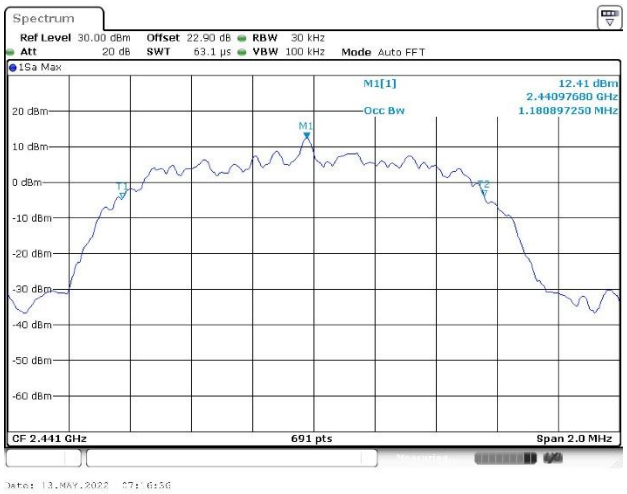
MIMO <Ant. 3>

<1Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

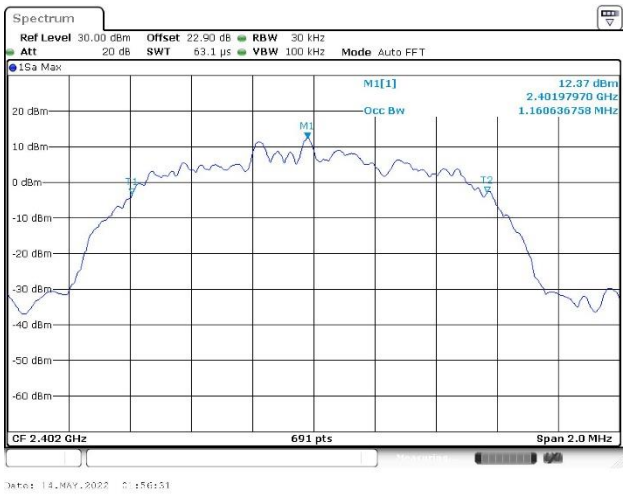
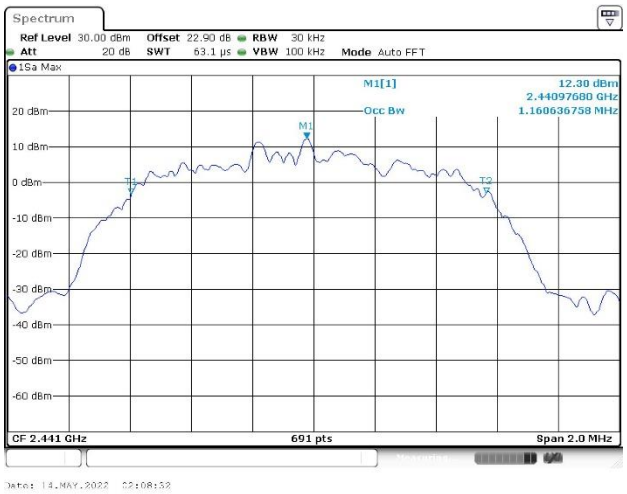
Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<2Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

<3Mbps>

99% Occupied Bandwidth Plot on Channel 00	99% Occupied Bandwidth Plot on Channel 39
	
99% Occupied Bandwidth Plot on Channel 78	**N/A**
	

Note: The occupied channel bandwidth is maintained within the band of operation for all of the modulations.

3.5 Output Power Measurement

3.5.1 Limit of Output Power

The maximum peak conducted output power of the intentional radiator shall not exceed the following: For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.

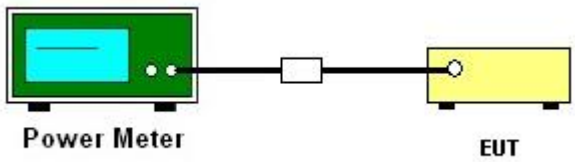
3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.5.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 7.8.5.
2. The RF output of EUT is connected to the power meter by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Measure the conducted output power with cable loss and record the results in the test report.
5. Measure and record the results in the test report.

3.5.4 Test Setup



3.5.5 Test Result of Peak Output Power

Please refer to Appendix A.

3.5.6 Test Result of Average Output Power (Reporting Only)

Please refer to Appendix A.

3.6 Conducted Band Edges Measurement

3.6.1 Limit of Band Edges

In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

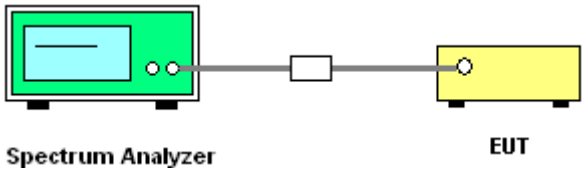
3.6.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.6.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 7.8.6.
2. Set the maximum power setting and enable the EUT to transmit continuously.
3. Set RBW = 100 kHz, VBW = 300 kHz. Band edge emissions must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW. The attenuation shall be 30 dB instead of 20 dB when RMS conducted output power procedure is used.
4. Enable hopping function of the EUT and then repeat step 2 and 3.
5. Measure and record the results in the test report.

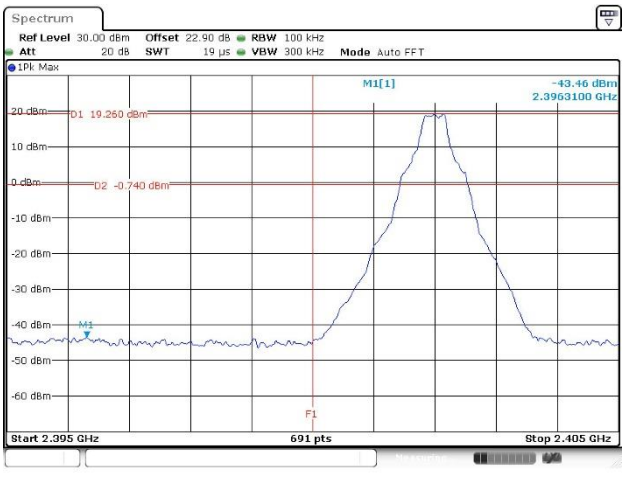
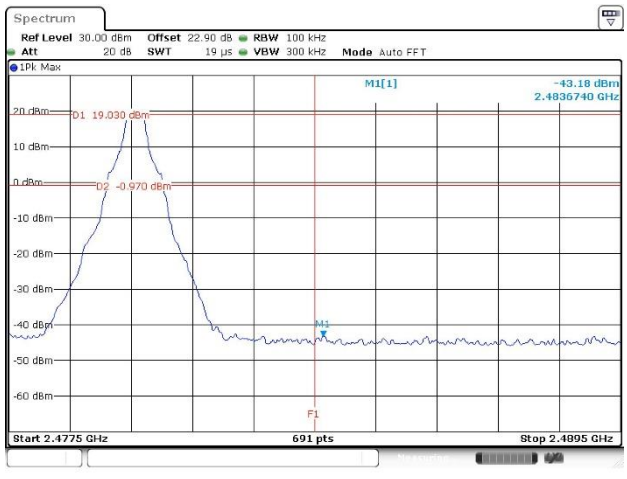
3.6.4 Test Setup



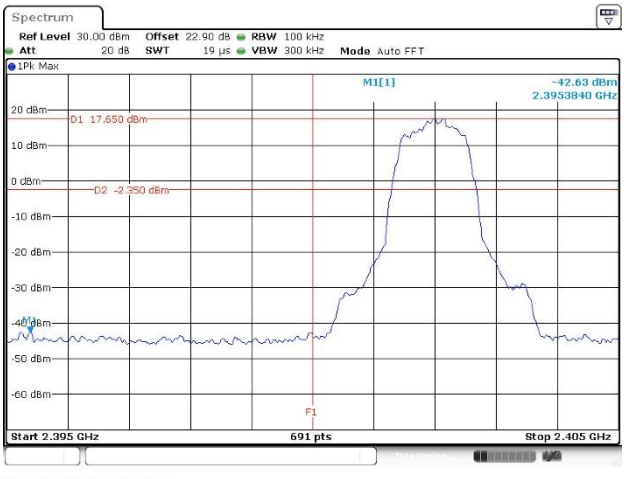
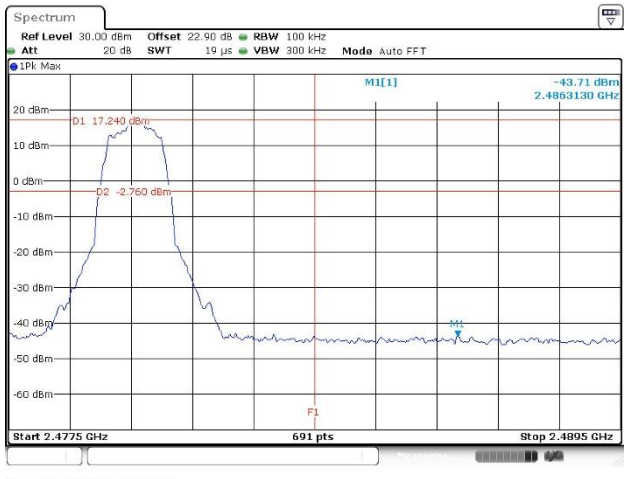
3.6.5 Test Result of Conducted Band Edges

<Ant. 4>

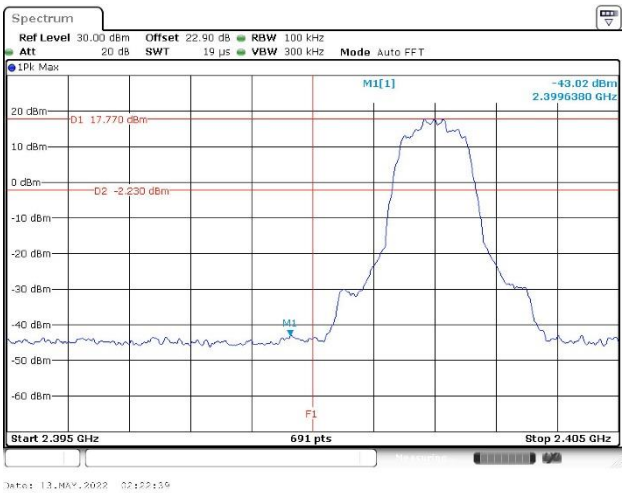
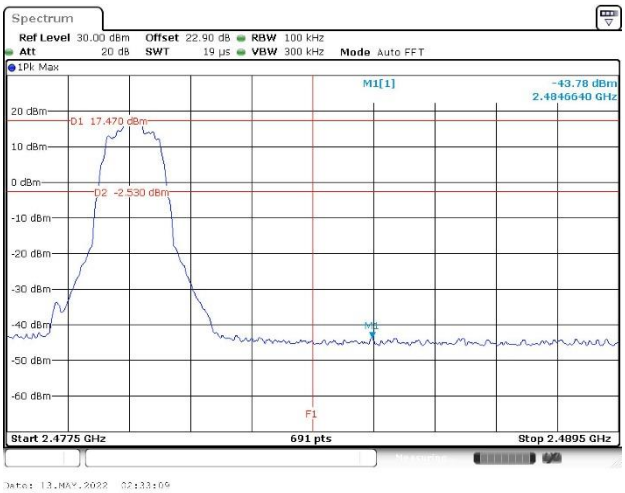
<1Mbps>

Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

<2Mbps>

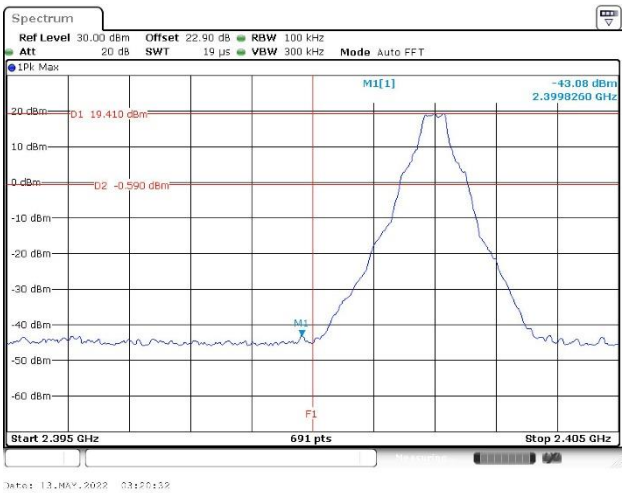
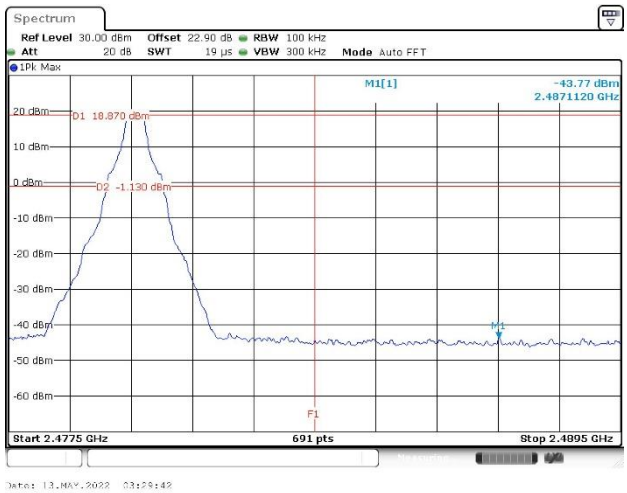
Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

<3Mbps>

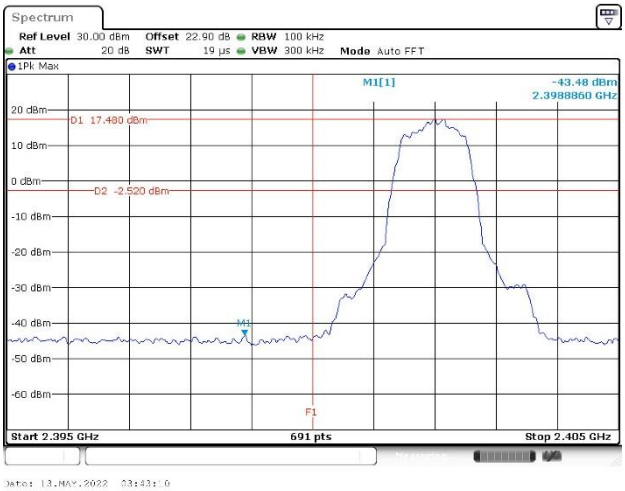
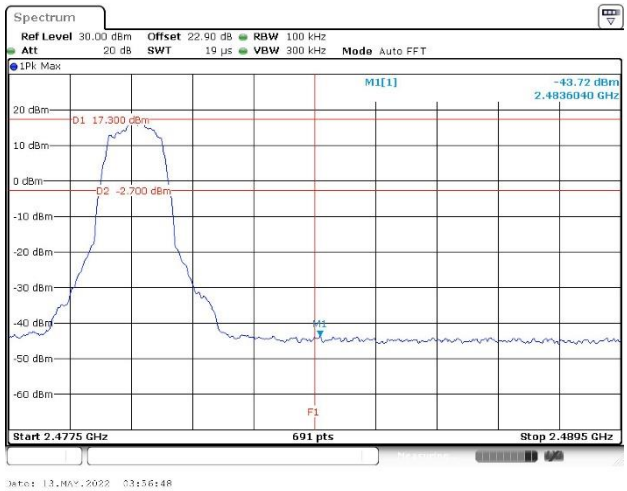
Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

<Ant. 3>

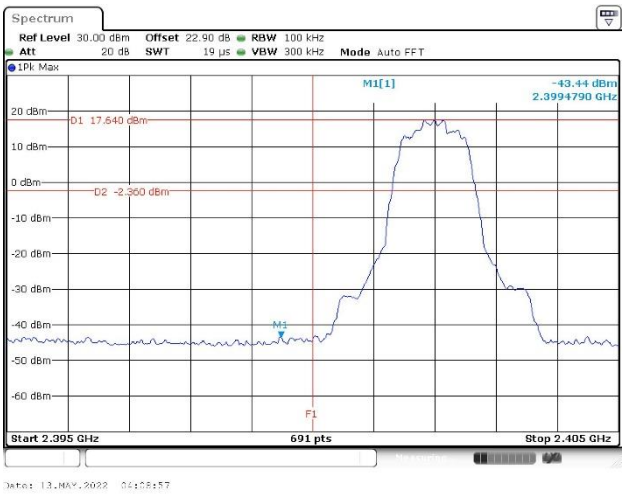
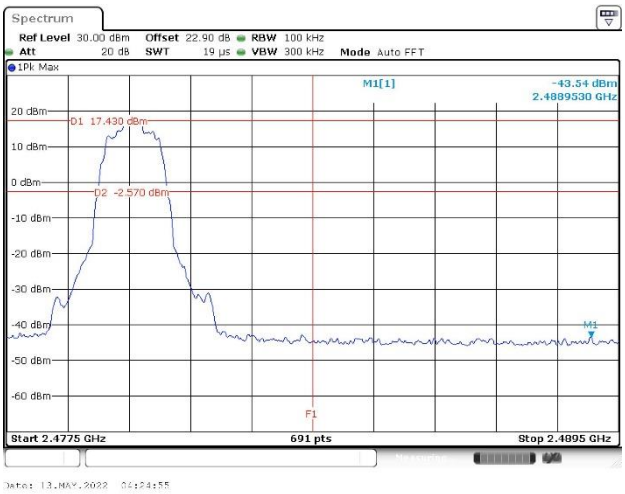
<1Mbps>

Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

<2Mbps>

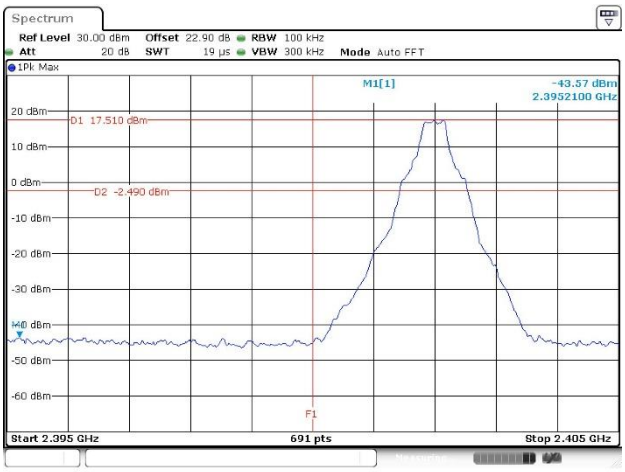
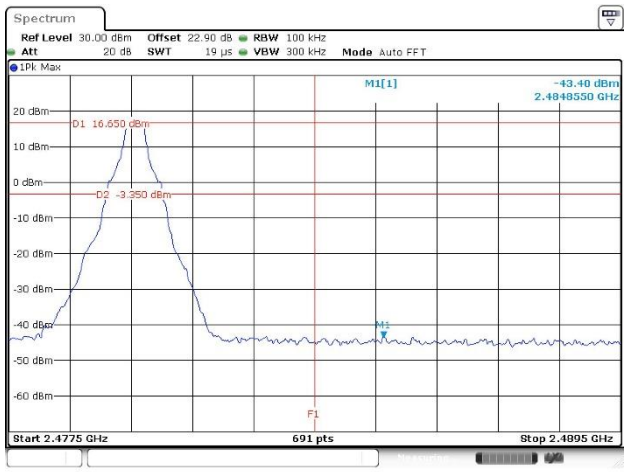
Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

<3Mbps>

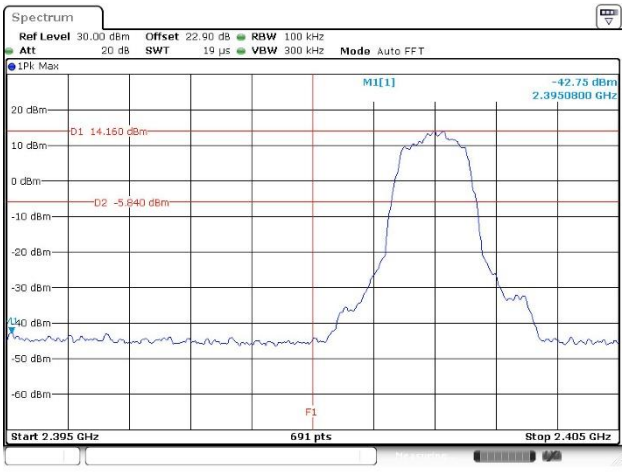
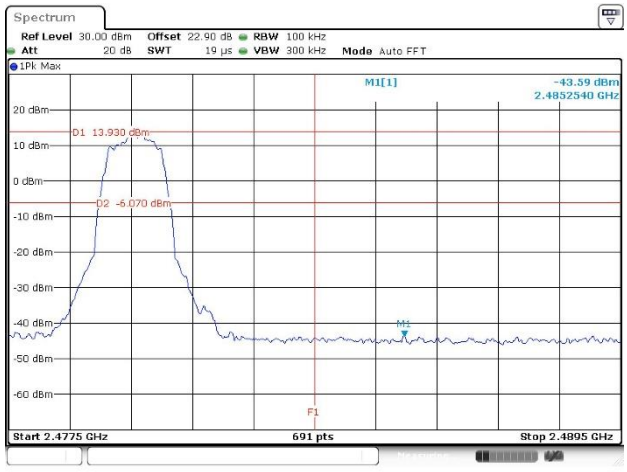
Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

MIMO <Ant. 4>

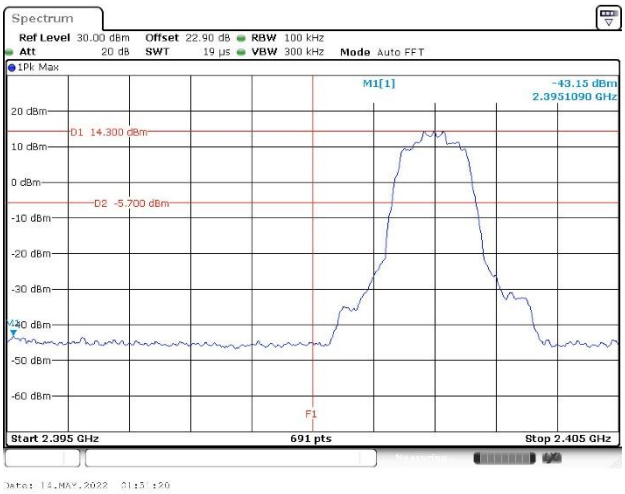
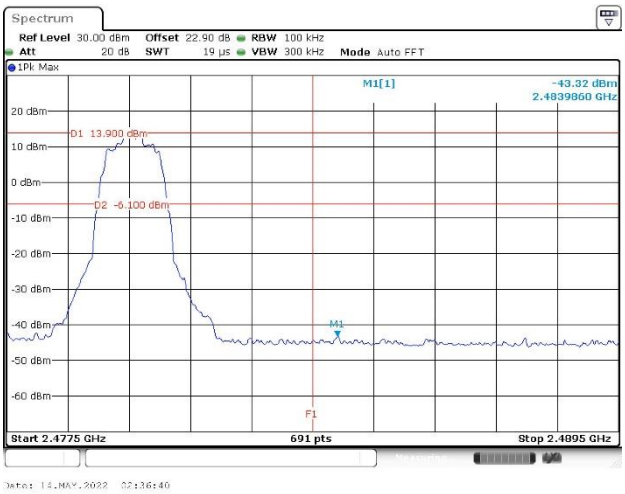
<1Mbps>

Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

<2Mbps>

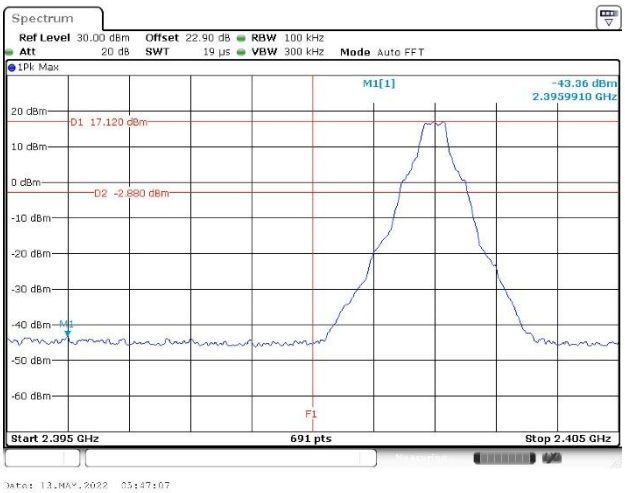
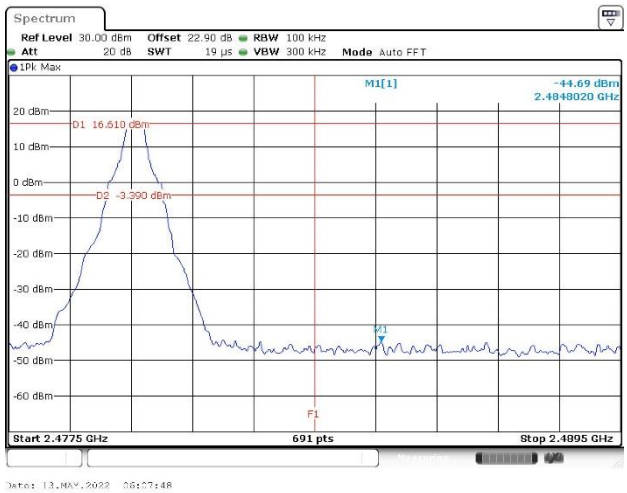
Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

<3Mbps>

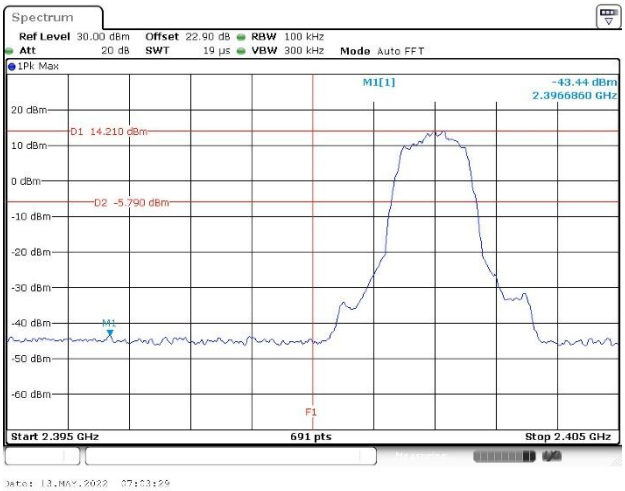
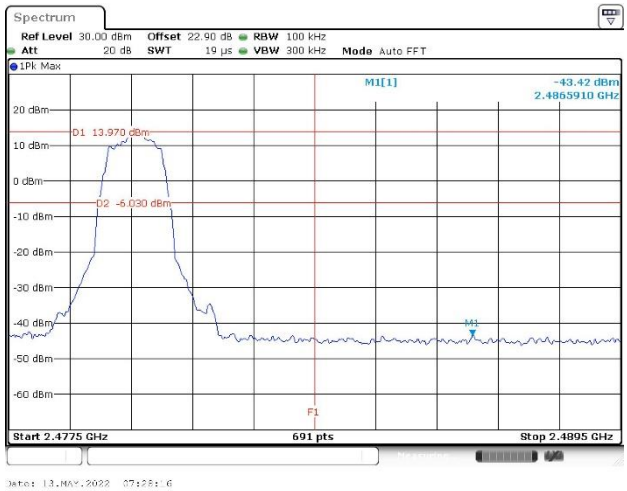
Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

MIMO <Ant. 3>

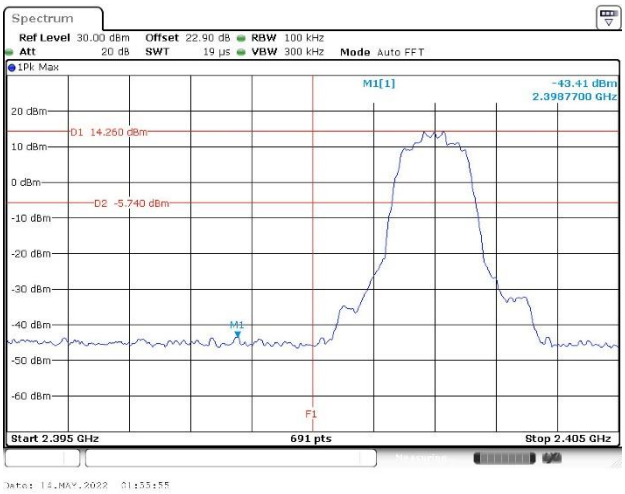
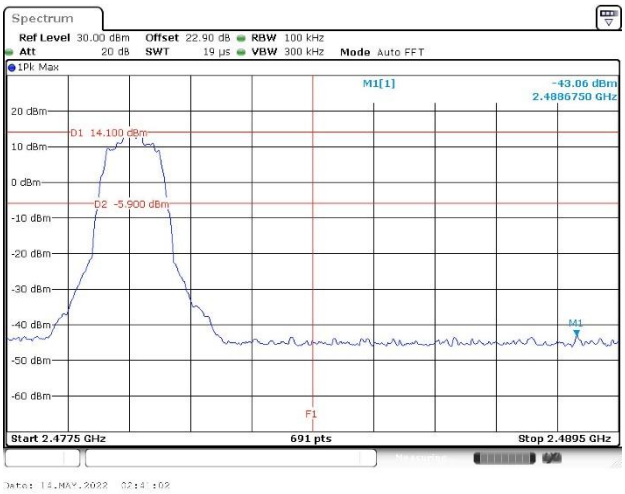
<1Mbps>

Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

<2Mbps>

Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

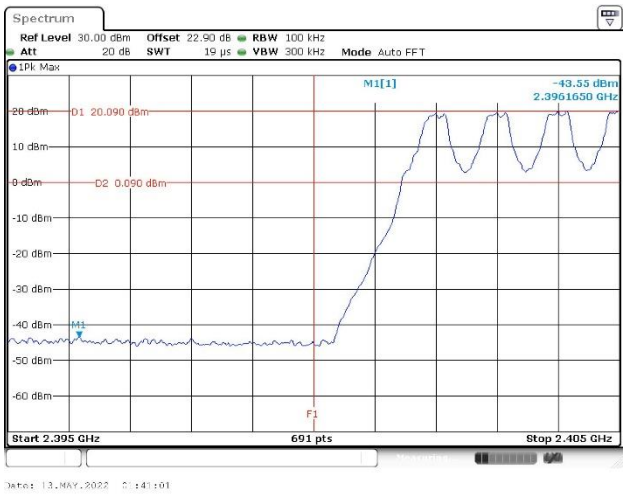
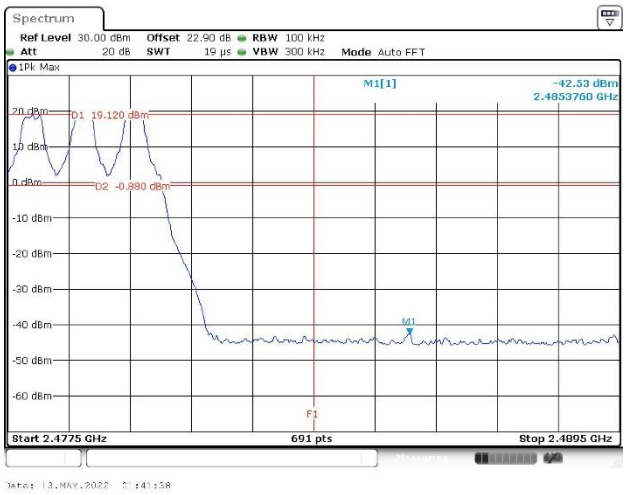
<3Mbps>

Low Band Edge Plot on Channel 00	High Band Edge Plot on Channel 78
	

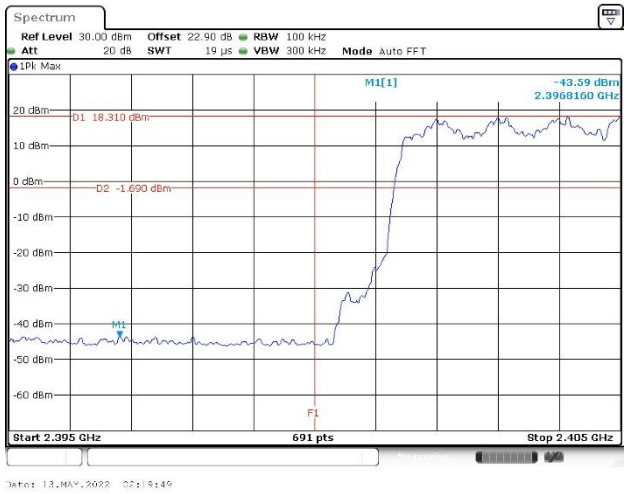
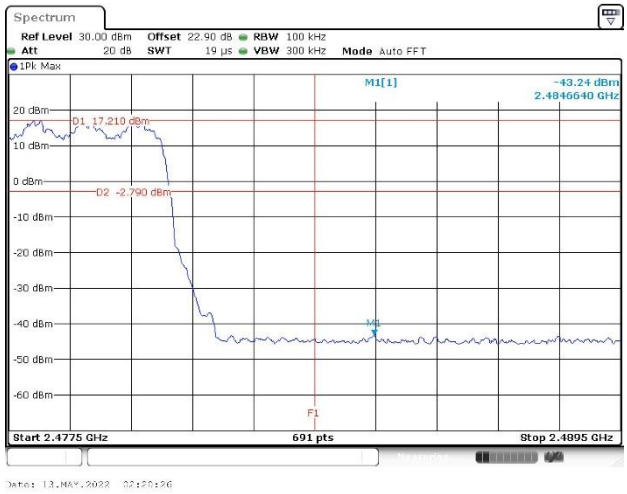
3.6.6 Test Result of Conducted Hopping Mode Band Edges

<Ant. 4>

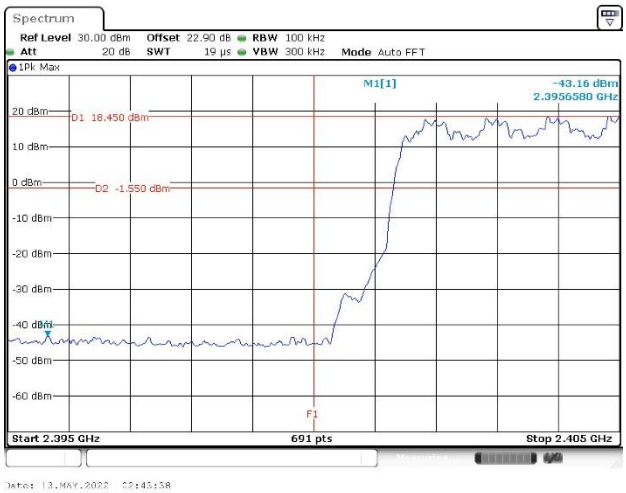
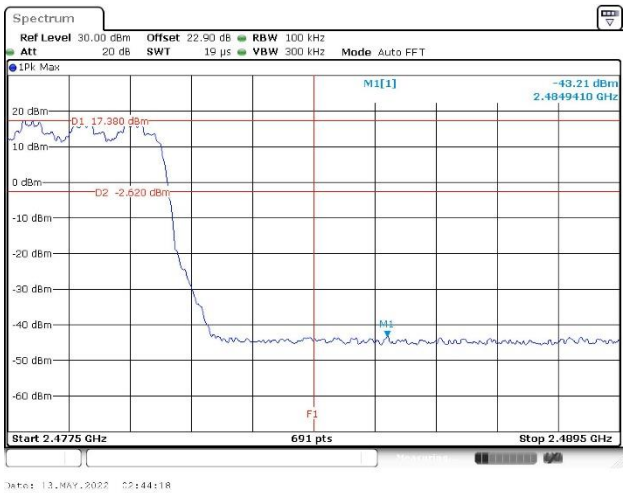
<1Mbps>

Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<2Mbps>

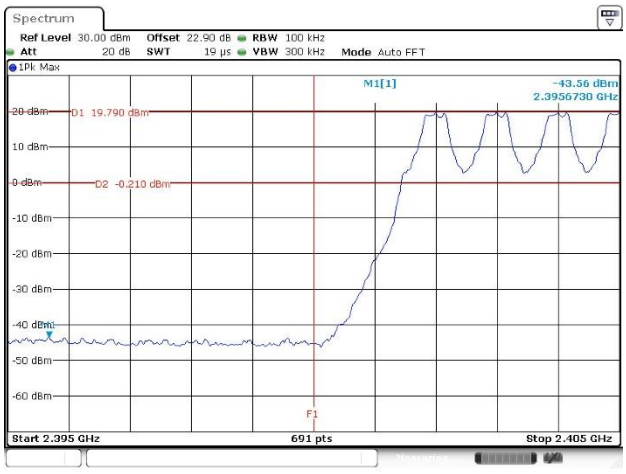
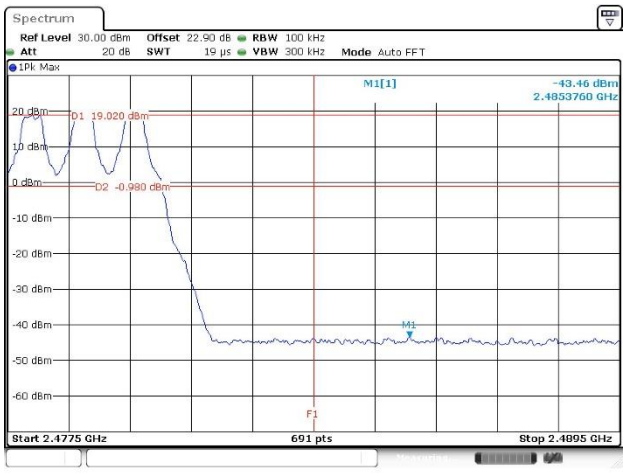
Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<3Mbps>

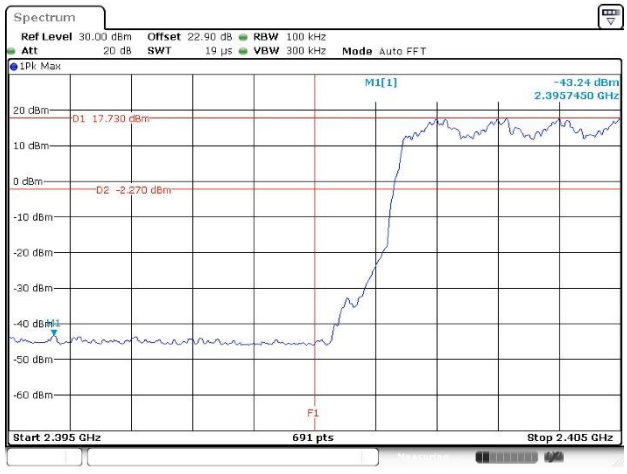
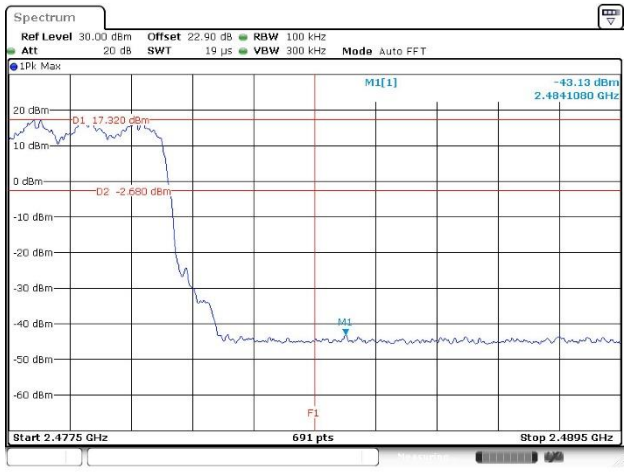
Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<Ant. 3>

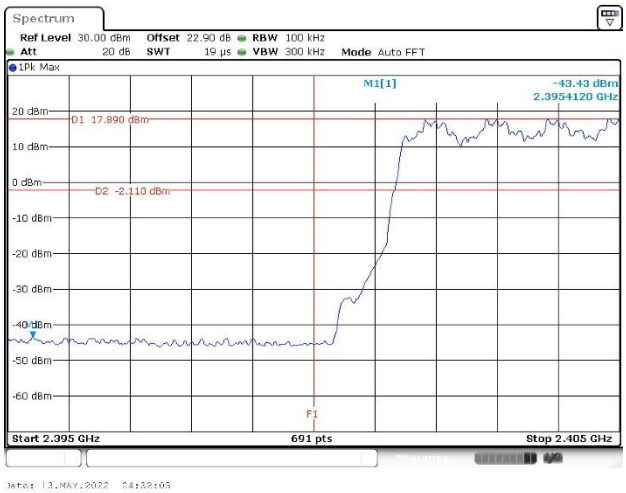
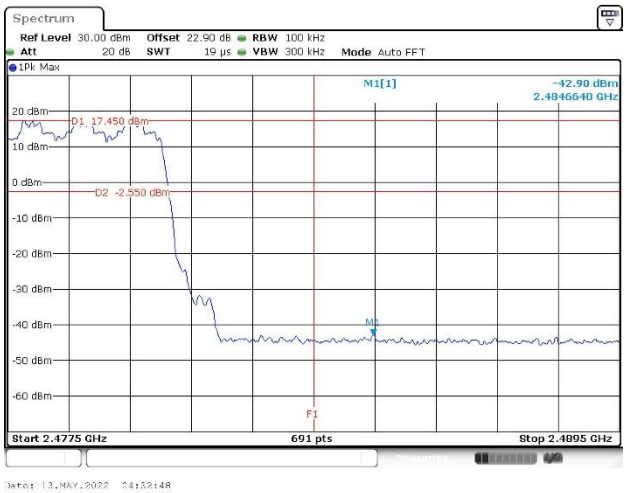
<1Mbps>

Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<2Mbps>

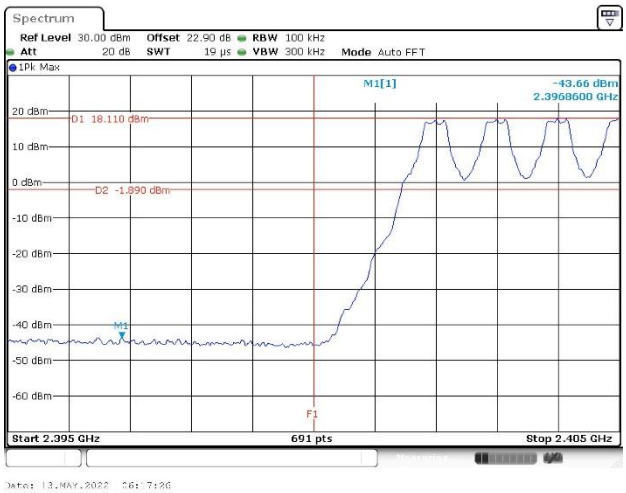
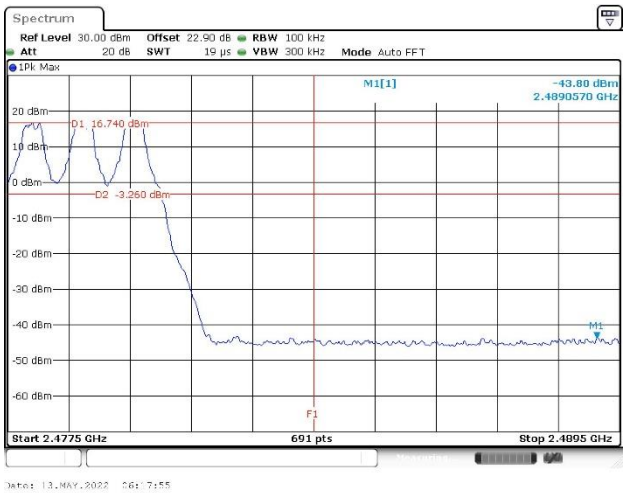
Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<3Mbps>

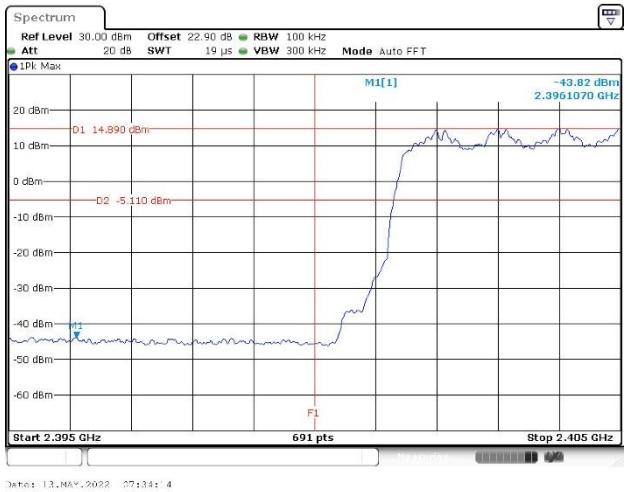
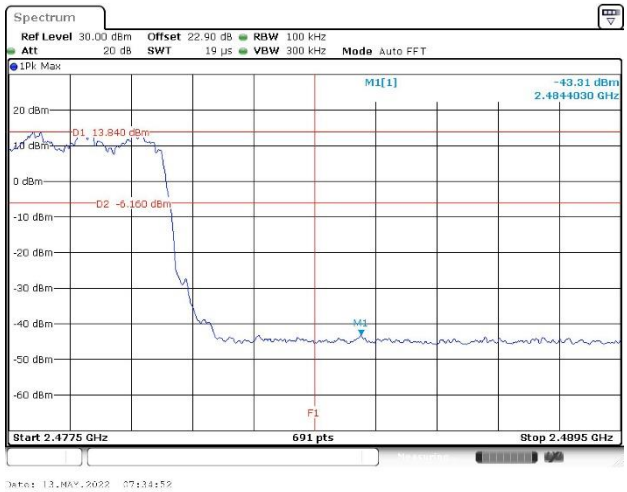
Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

MIMO <Ant. 4>

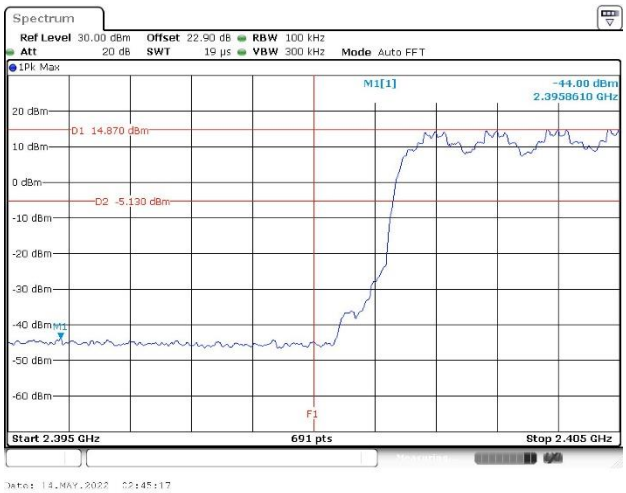
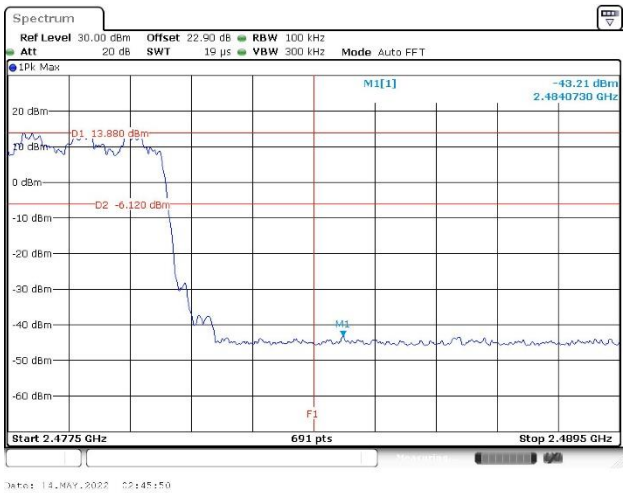
<1Mbps>

Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<2Mbps>

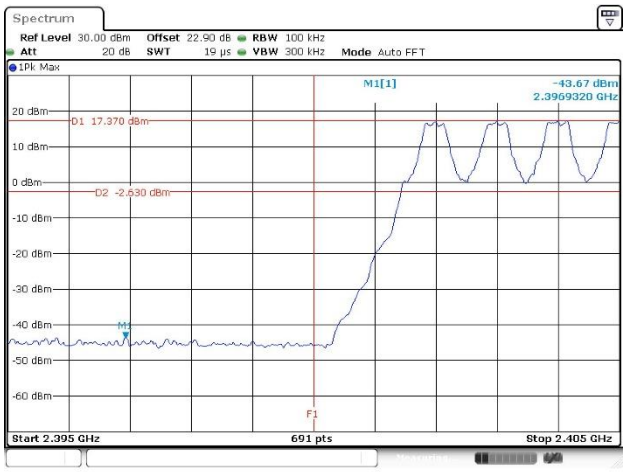
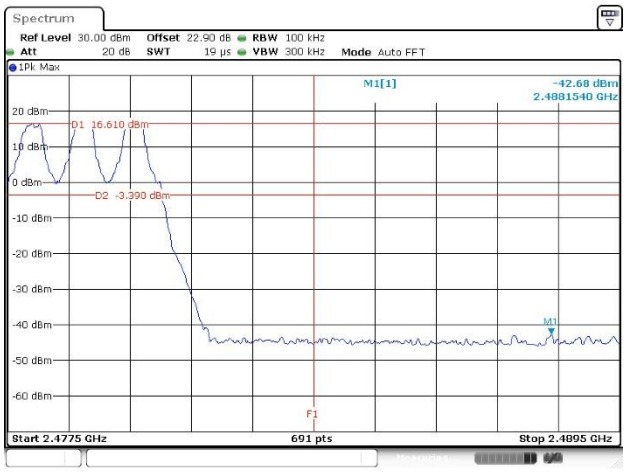
Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<3Mbps>

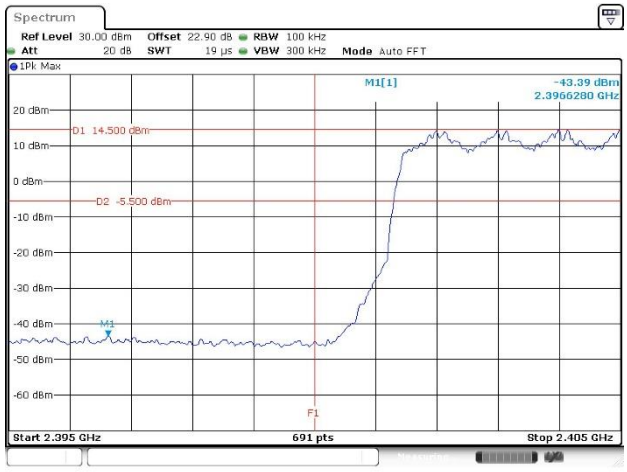
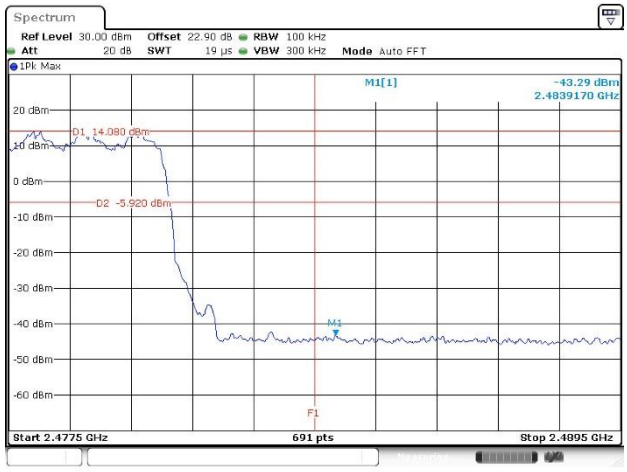
Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

MIMO <Ant. 3>

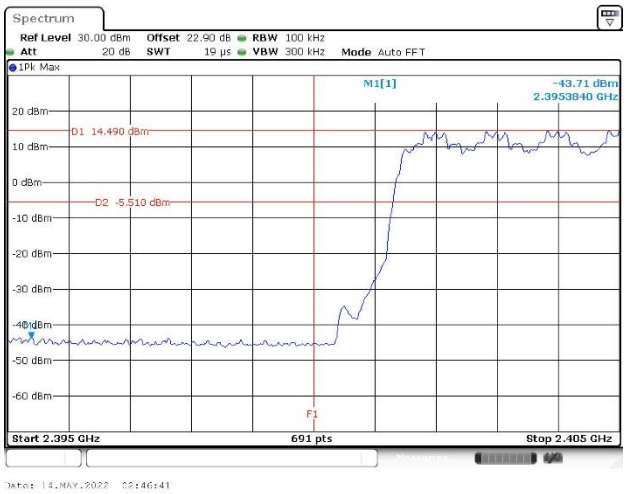
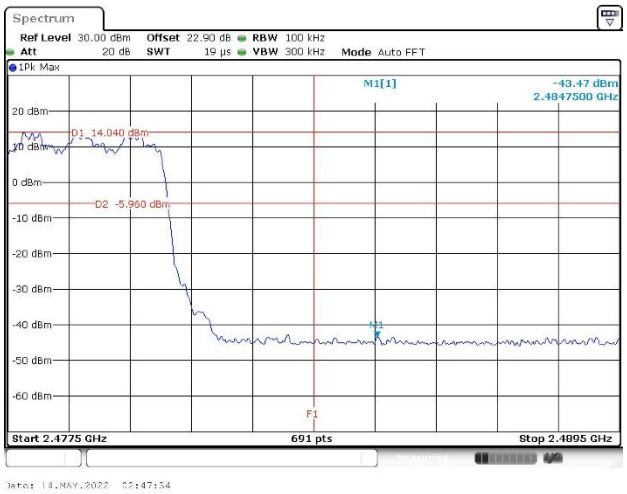
<1Mbps>

Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<2Mbps>

Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

<3Mbps>

Hopping Mode Low Band Edge Plot	Hopping Mode High Band Edge Plot
	

3.7 Conducted Spurious Emission Measurement

3.7.1 Limit of Spurious Emission Measurement

In any 100 kHz bandwidth outside the intentional radiation frequency band, the radio frequency power shall be at least 20 dB below the highest level of the radiated power. In addition, radiated emissions which fall in the restricted bands must also comply with the radiated emission limits.

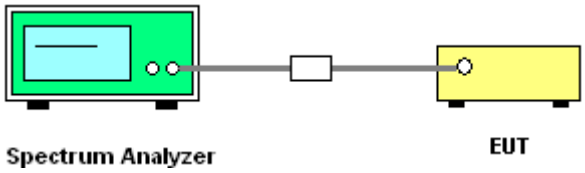
3.7.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

3.7.3 Test Procedure

1. The testing follows ANSI C63.10-2013 clause 7.8.8.
2. The RF output of EUT is connected to the spectrum analyzer by RF cable and attenuator. The path loss is compensated to the results for each measurement.
3. Set the maximum power setting and enable the EUT to transmit continuously.
4. Set RBW = 100 kHz, VBW = 300 kHz, scan up through 10th harmonic. All harmonics / spurious must be at least 20 dB down from the highest emission level within the authorized band as measured with a 100 kHz RBW.
5. Measure and record the results in the test report.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

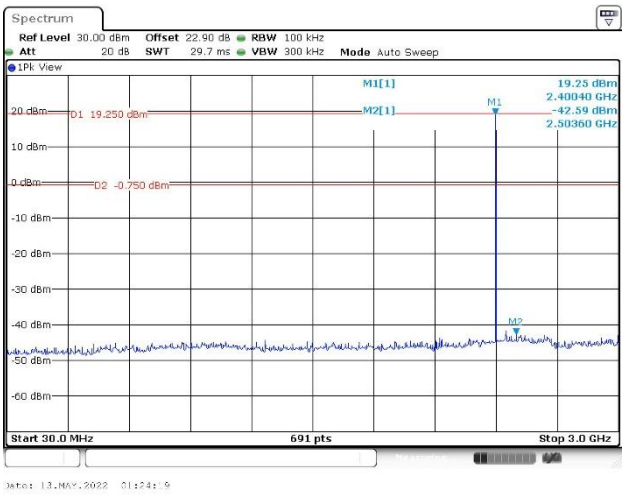
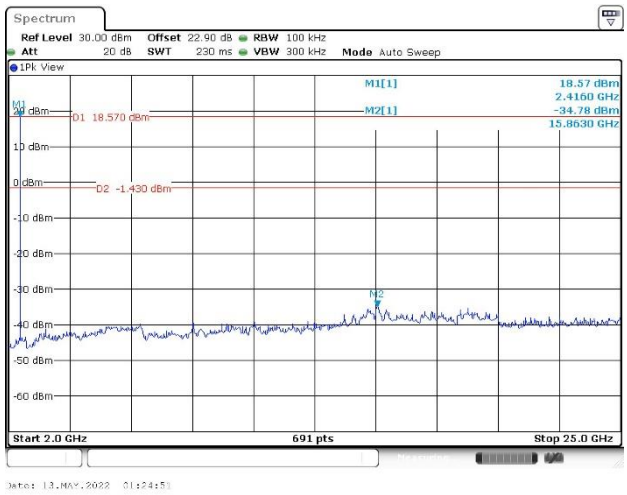
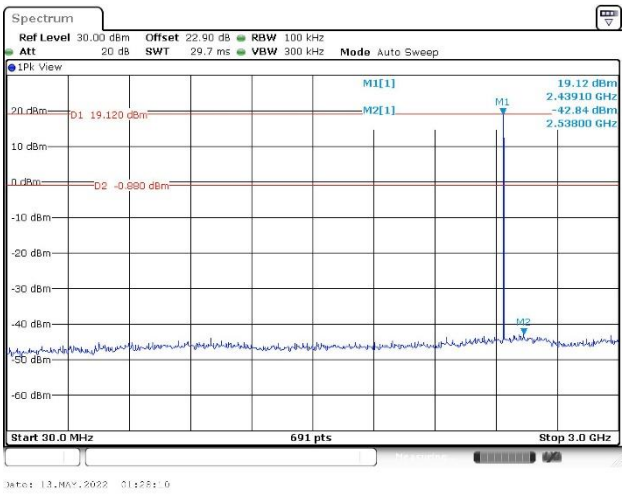
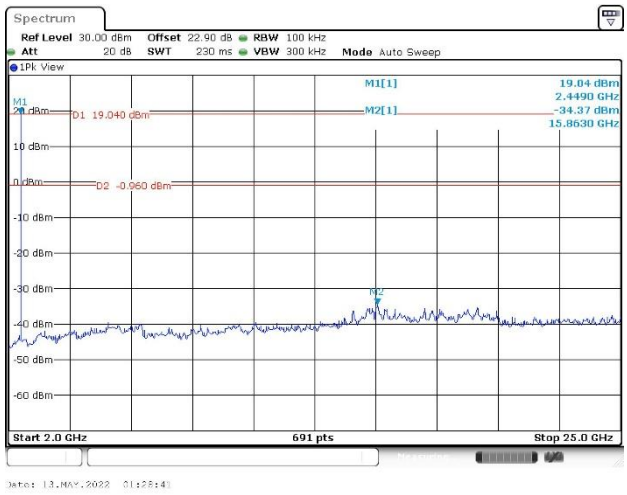
3.7.4 Test Setup

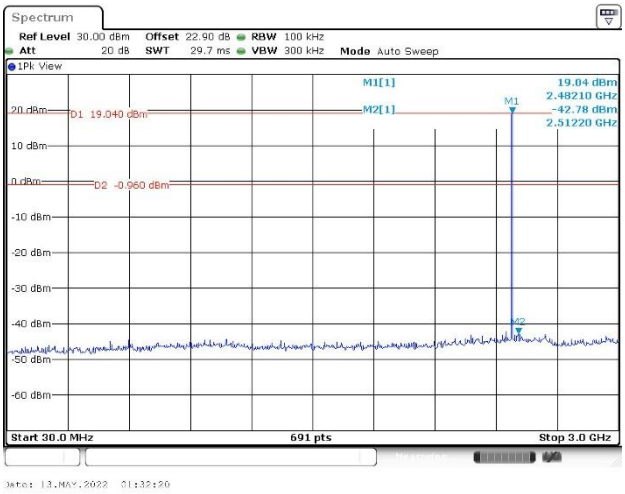
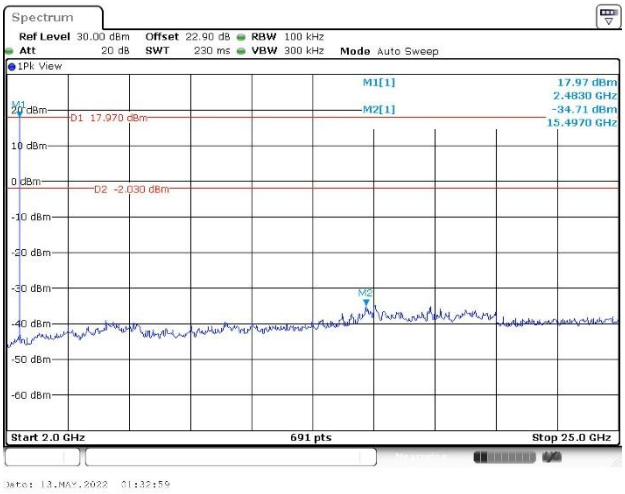


3.7.5 Test Result of Conducted Spurious Emission

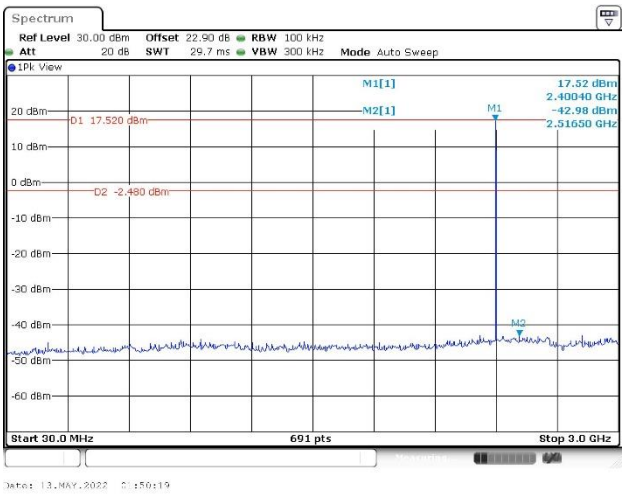
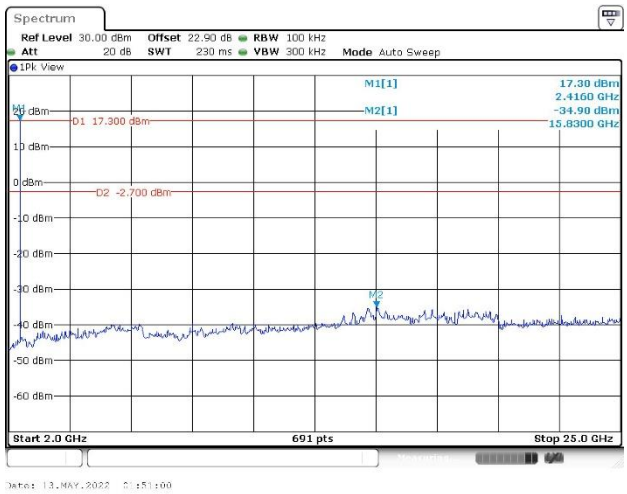
<Ant. 4>

<1Mbps>

CSE Plot on CH 00 between 30 MHz ~ 3 GHz	CSE Plot on CH 00 between 2 GHz ~ 25 GHz
	
CSE Plot on CH 39 between 30 MHz ~ 3 GHz	**CSE Plot on CH 39 between 2 GHz ~ 25 GHz**
	

CSE Plot on CH 78 between 30 MHz ~ 3 GHz	CSE Plot on CH 78 between 2 GHz ~ 25 GHz
	

<2Mbps>

CSE Plot on CH 00 between 30 MHz ~ 3 GHz	CSE Plot on CH 00 between 2 GHz ~ 25 GHz
	
CSE Plot on CH 39 between 30 MHz ~ 3 GHz	**CSE Plot on CH 39 between 2 GHz ~ 25 GHz**