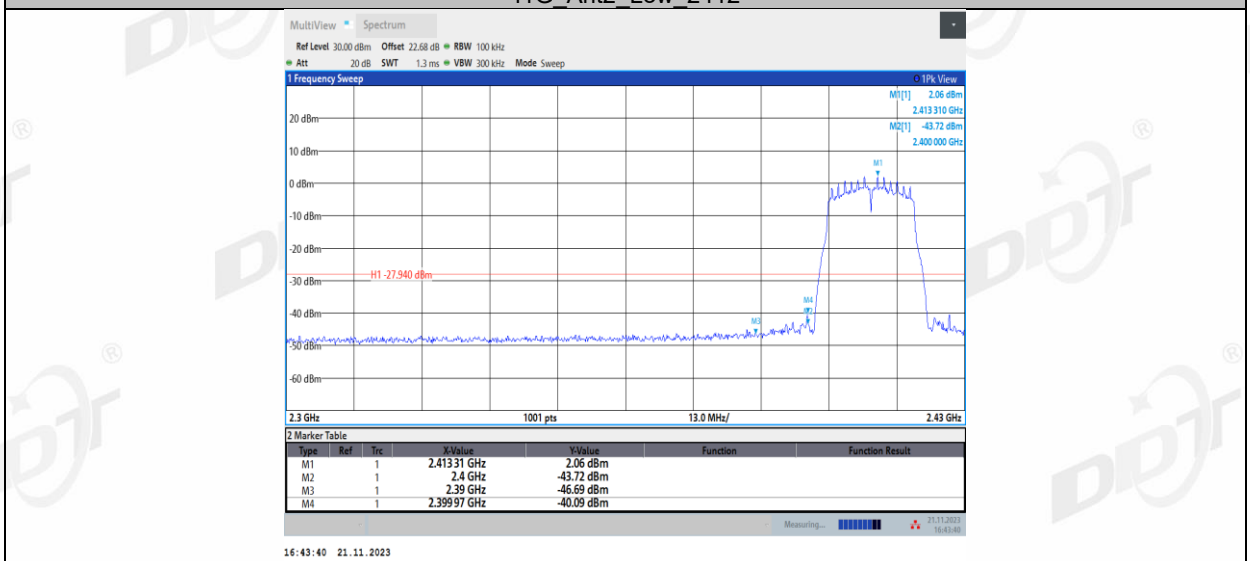


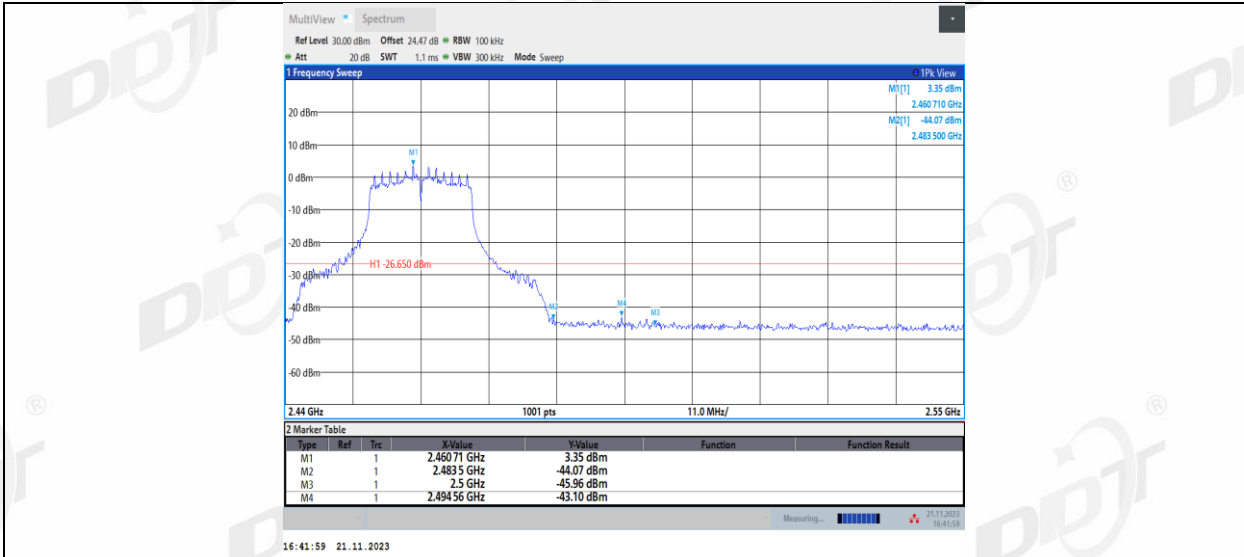
11G Ant1\_Low\_2412



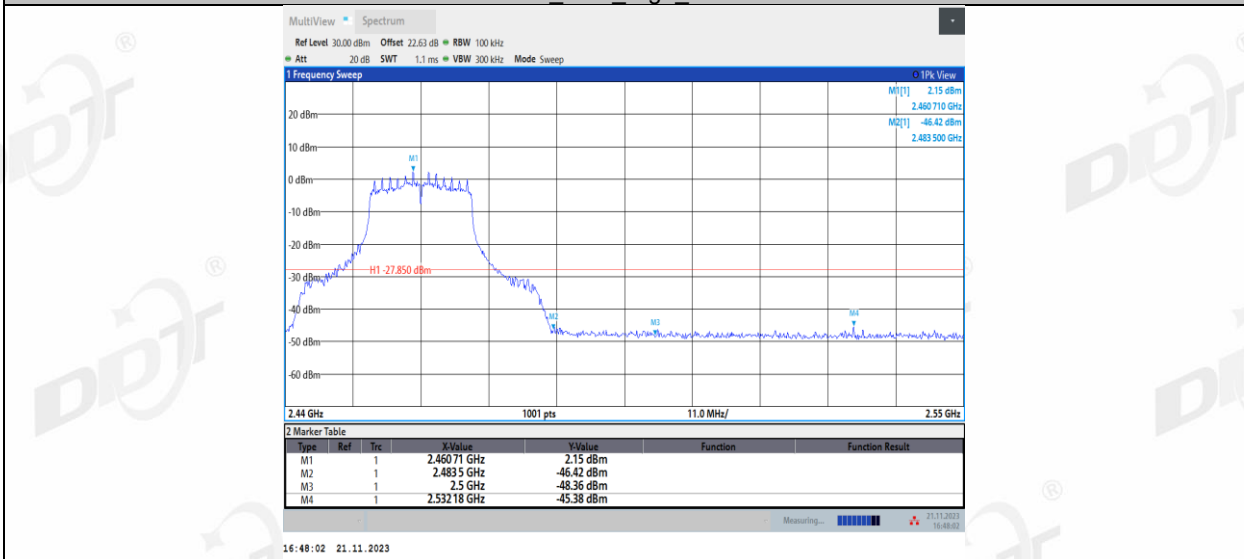
11G Ant2\_Low\_2412



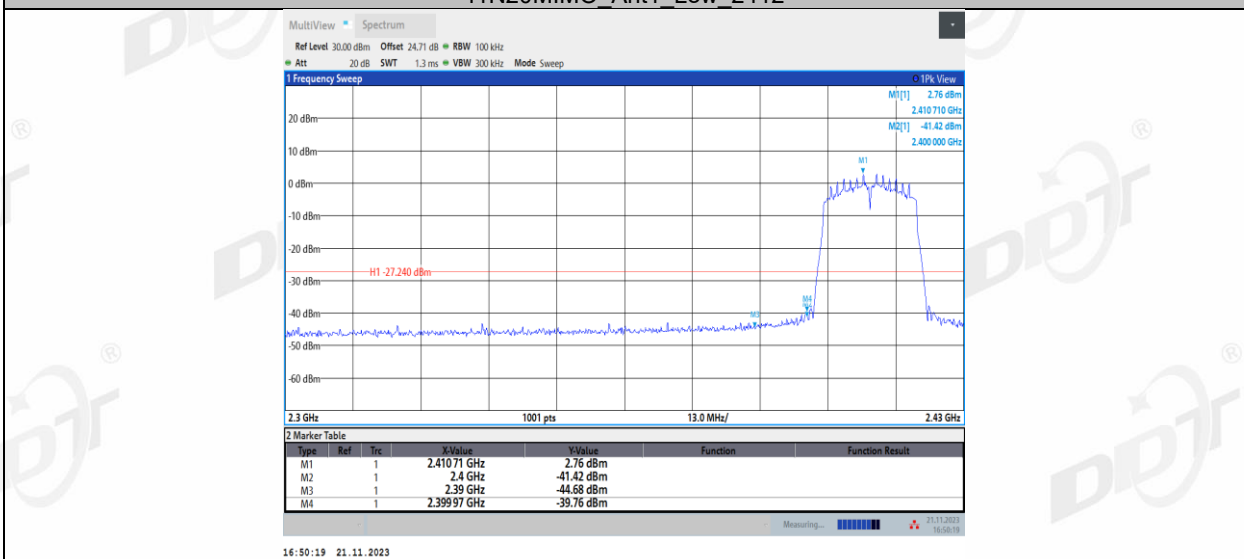
11G Ant1\_High\_2462



11G\_Ant2\_High\_2462



11N20MIMO\_Ant1\_Low\_2412



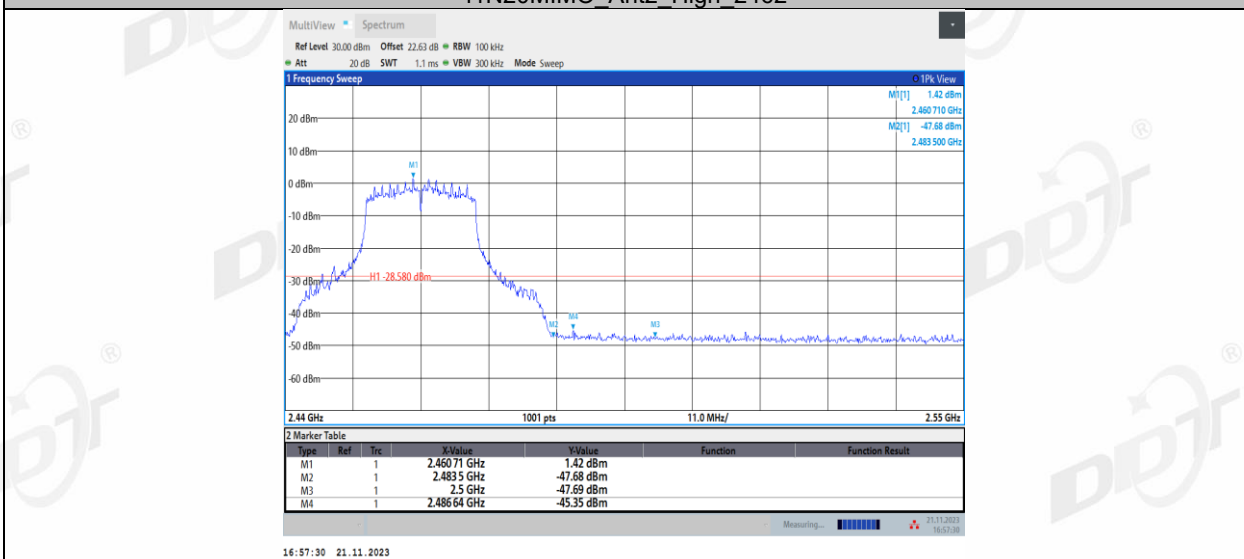
11N20MIMO\_Ant2\_Low\_2412



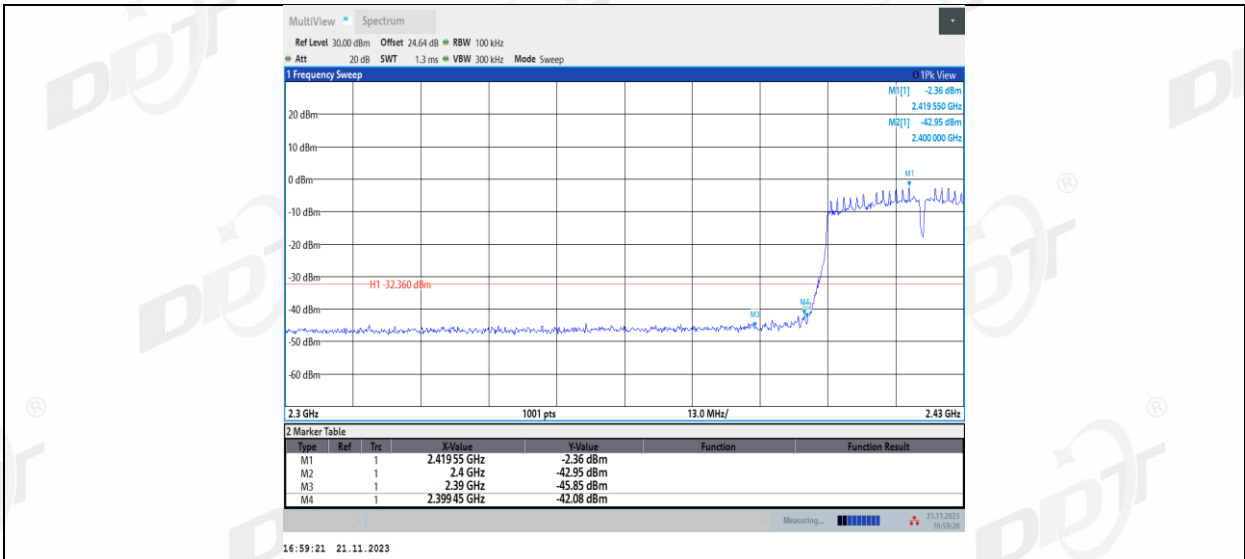
11N20MIMO\_Ant1\_High\_2462



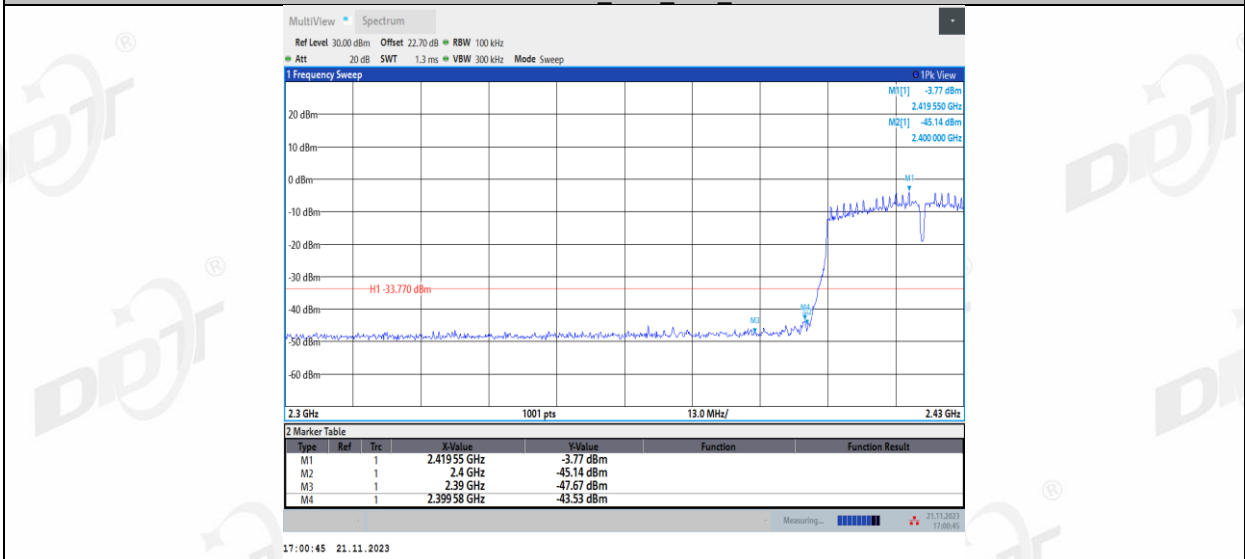
11N20MIMO\_Ant2\_High\_2462



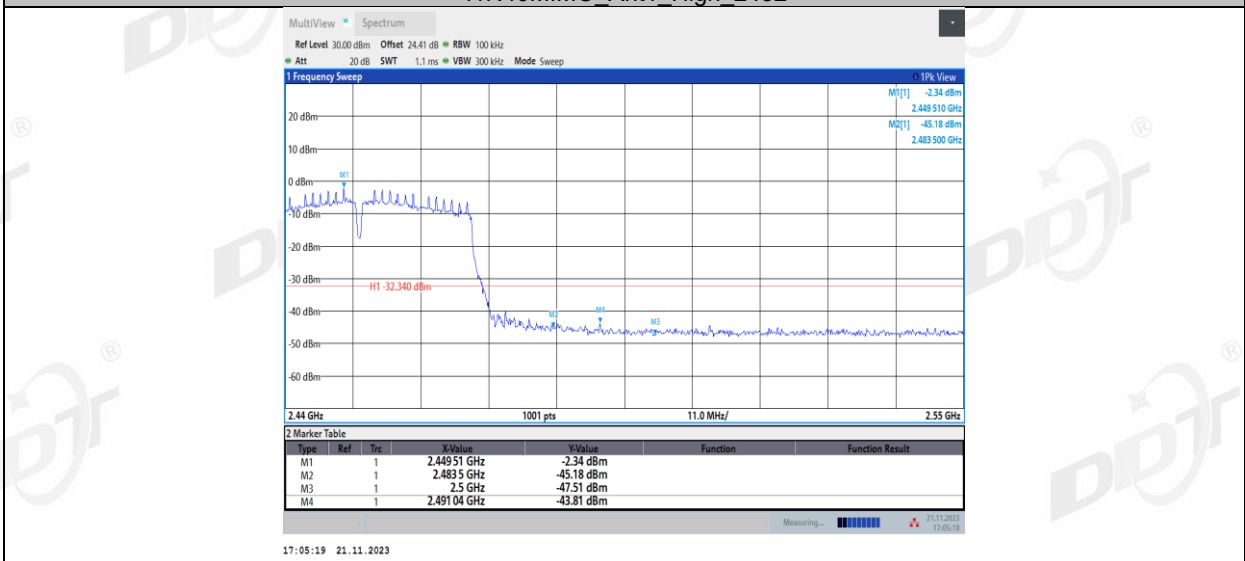
11N40MIMO\_Ant1\_Low\_2422



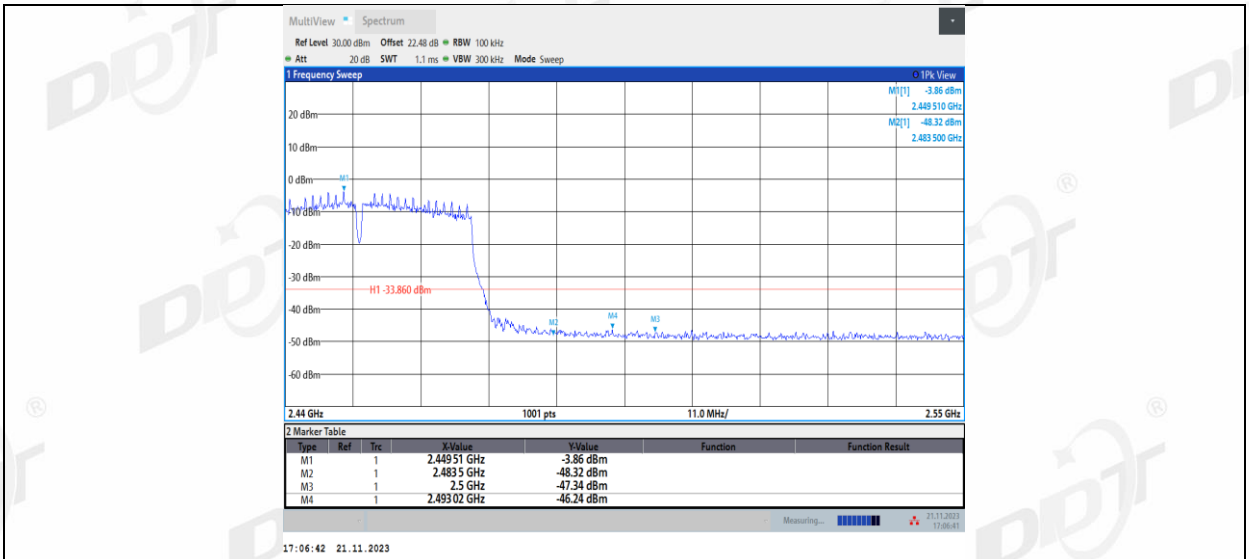
11N40MIMO\_Ant2\_Low\_2422



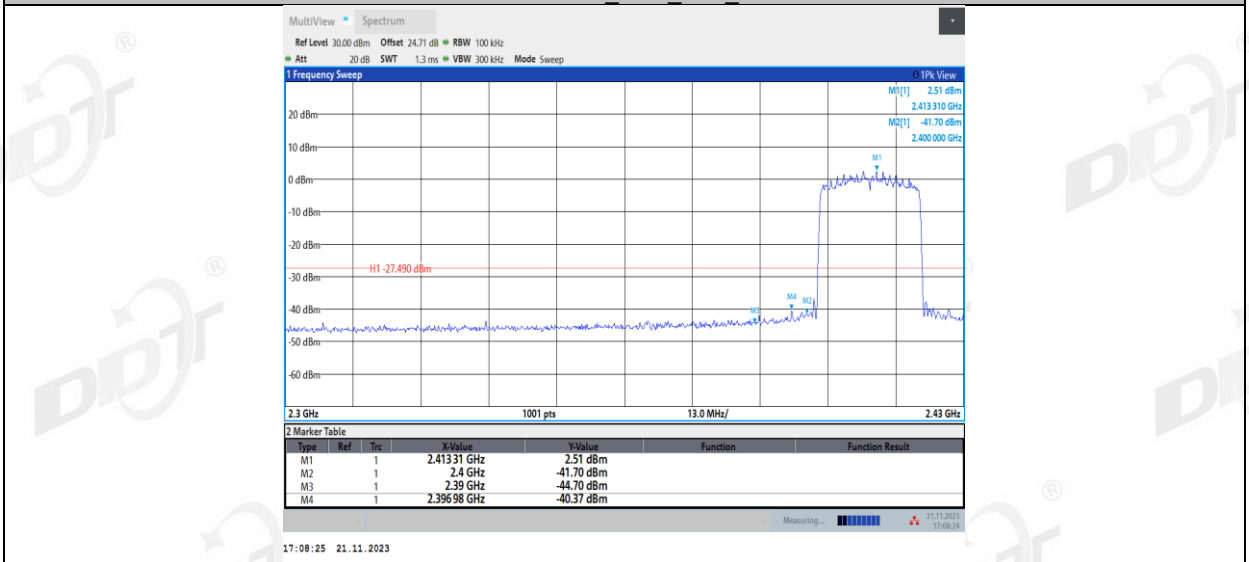
11N40MIMO\_Ant1\_High\_2452



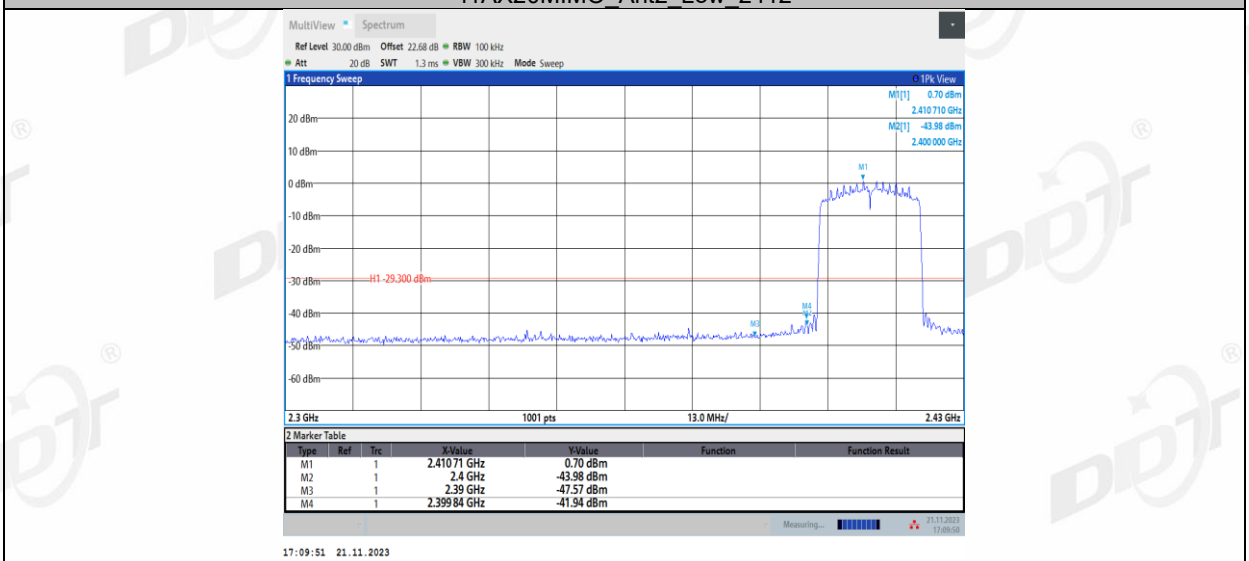
11N40MIMO\_Ant2\_High\_2452



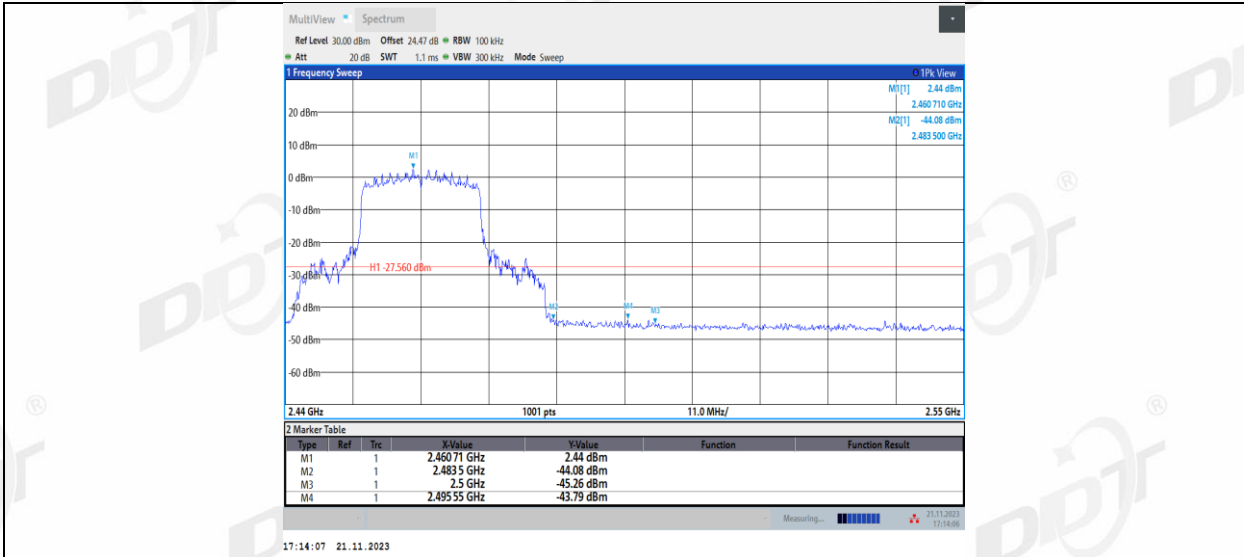
11AX20MIMO\_Ant1\_Low\_2412



11AX20MIMO\_Ant2\_Low\_2412



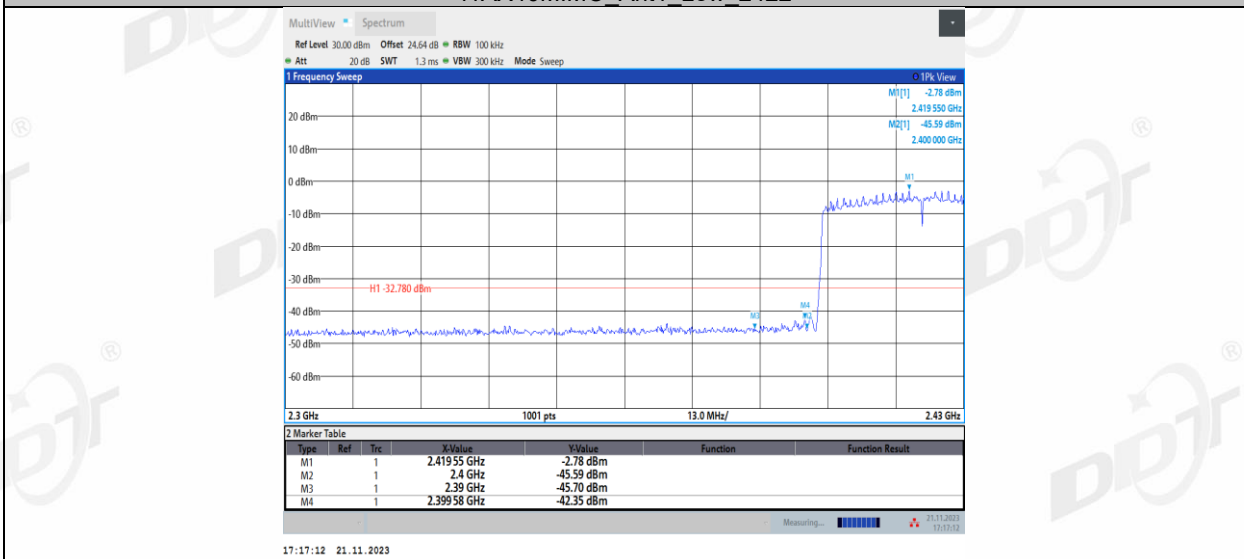
11AX20MIMO\_Ant1\_High\_2462



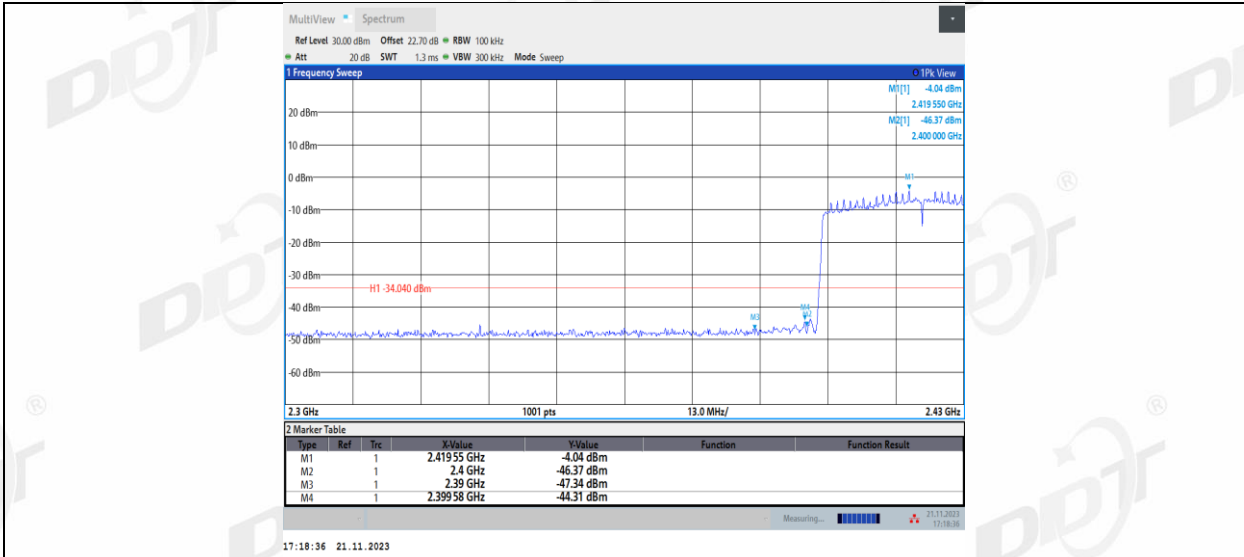
11AX20MIMO\_Ant2\_High\_2462



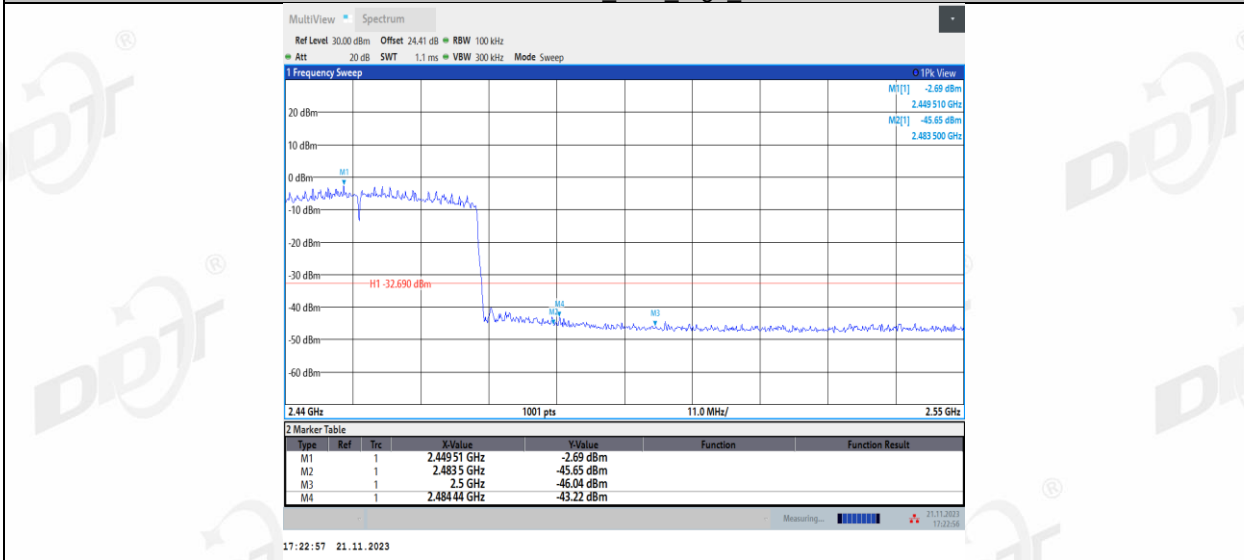
11AX40MIMO\_Ant1\_Low\_2422



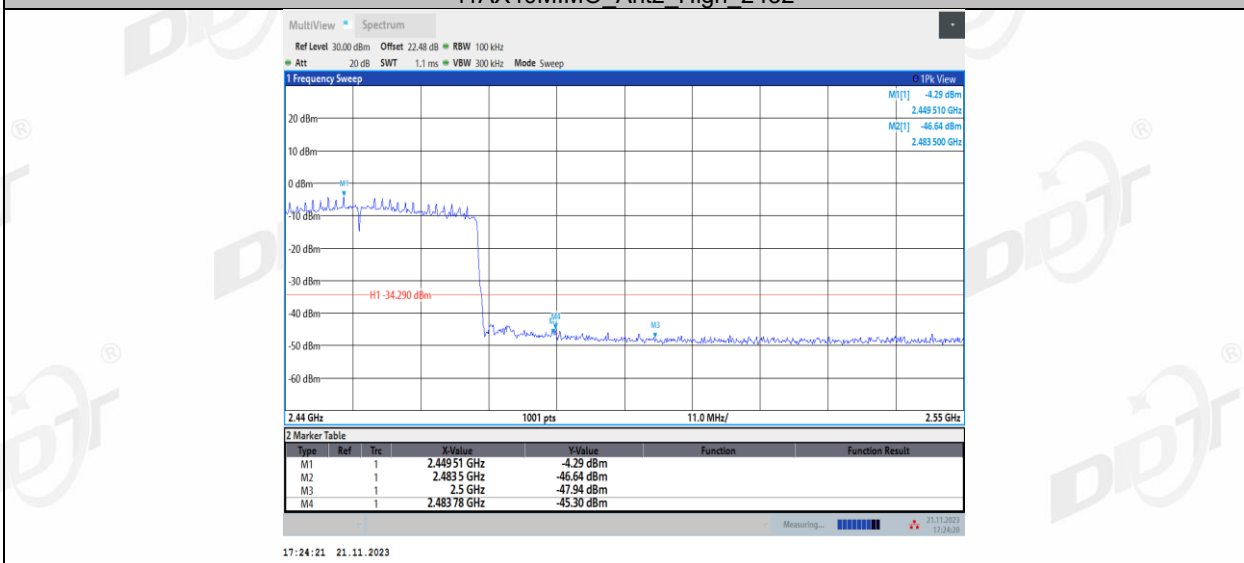
11AX40MIMO\_Ant2\_Low\_2422



11AX40MIMO\_Ant1\_High\_2452

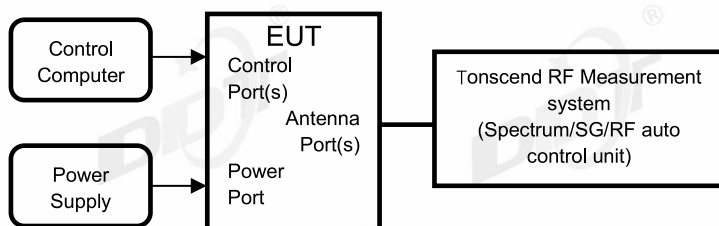


11AX40MIMO\_Ant2\_High\_2452



## 9. RF Conducted Spurious Emissions

### 9.1. Block diagram of test setup



### 9.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

### 9.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

Center frequency	Test frequency
RBW:	100 kHz
VBW:	300 kHz
Span	Wide enough to capture the peak level of the in-band emission
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	$\geq \text{Span}/\text{RBW}$
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

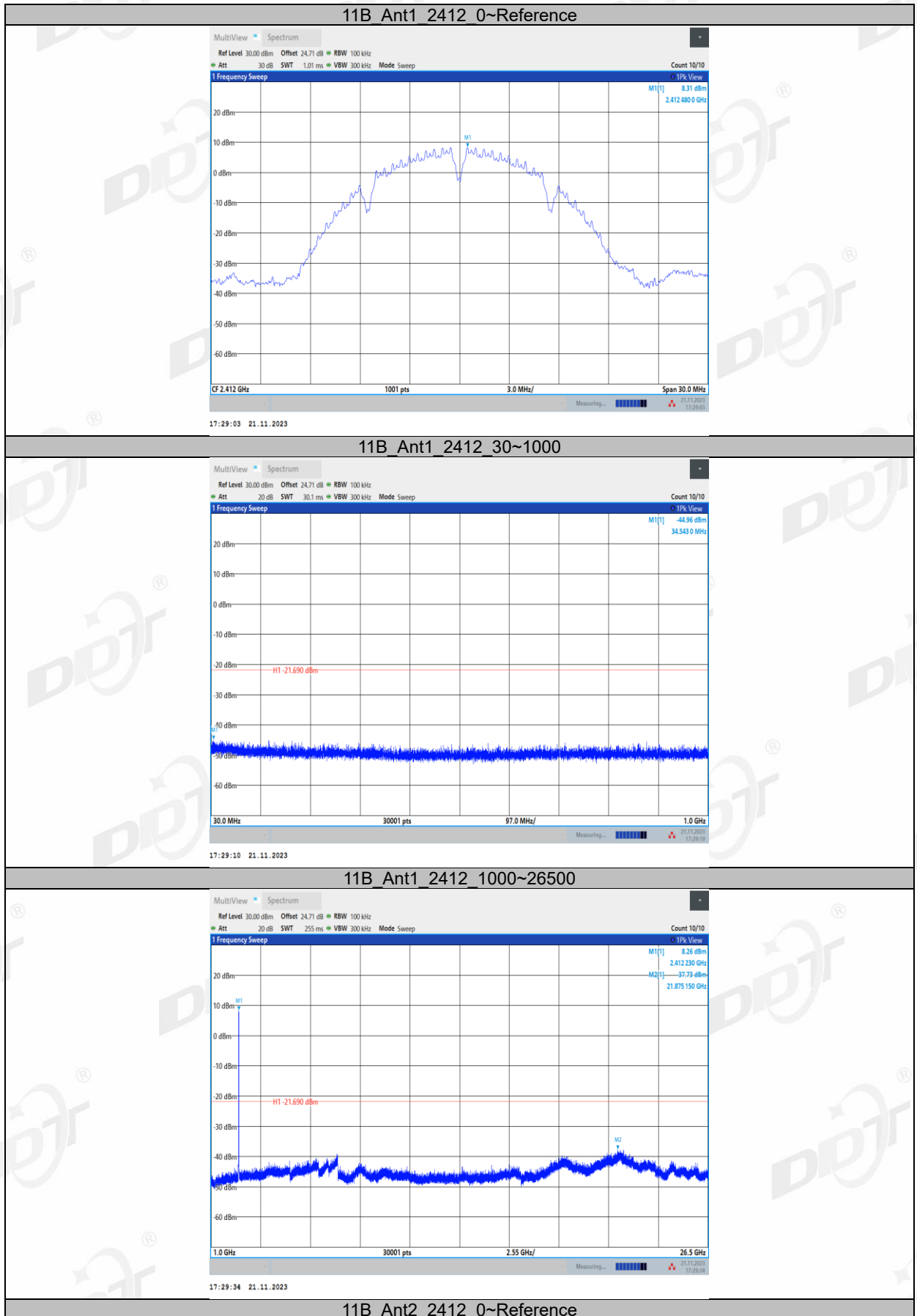
- (5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

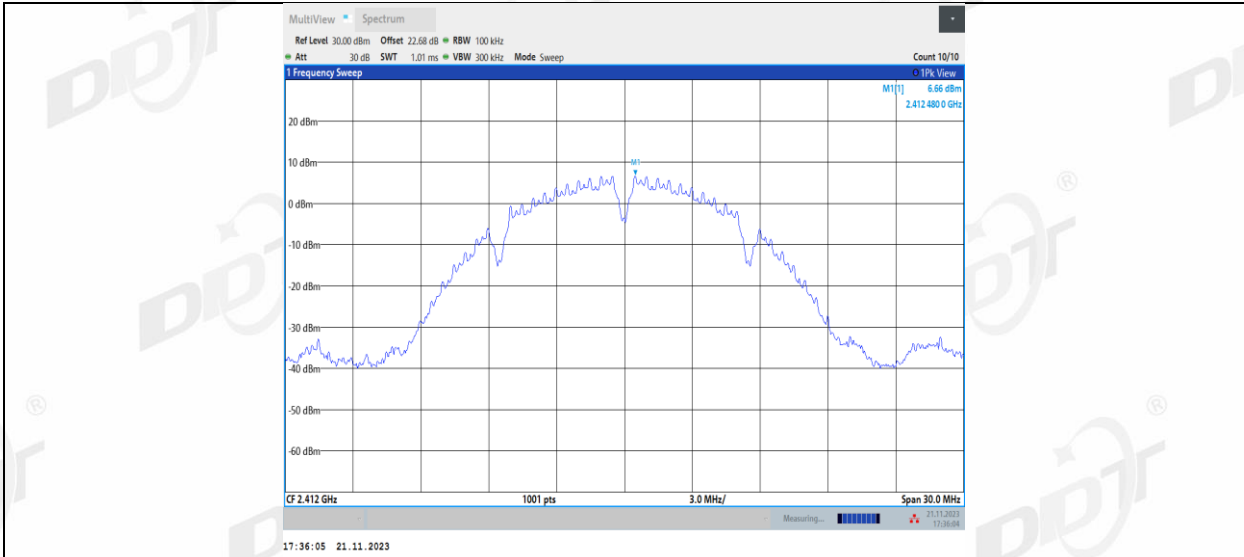
#### 9.4. Test result

Test Engineer:	Haofeng	Test Site:	RF Measurement System 4#
Ambient Condition:	23.4℃,48.3%RH	Test Date:	2023.11.21/2024.02.01
Test Power Supply:	Battery	EUT:	Wireless Speaker
Sample Number:	S23111312-01	Model No.:	BOOMBOX3 Wi-Fi

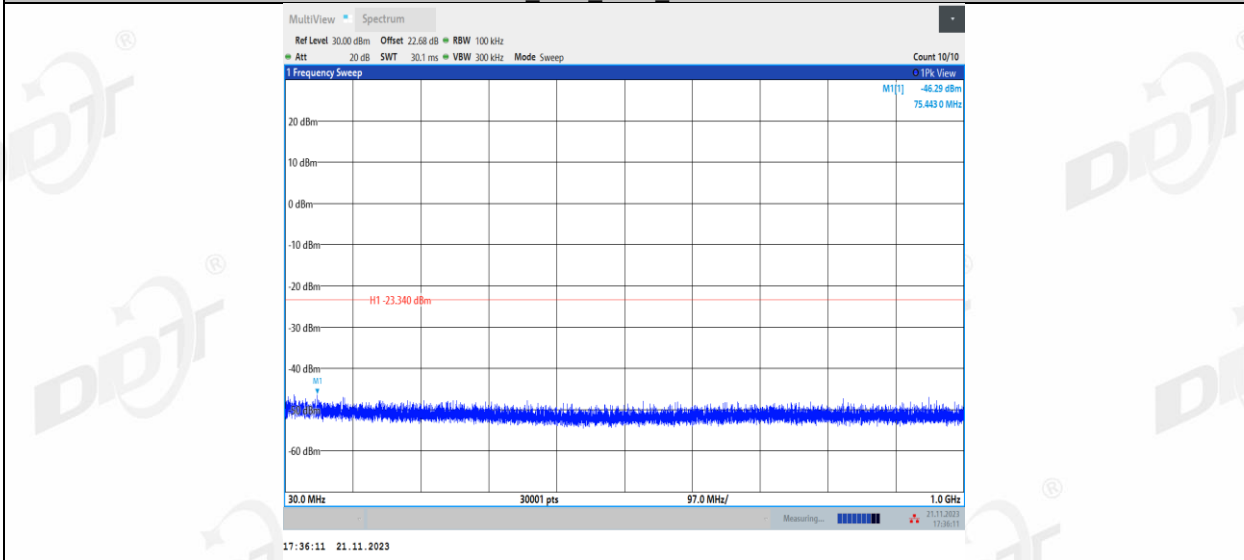
EUT Set Mode	CH or Frequency	Result(dBm)	EUT Set Mode	CH or Frequency	Result (dBm)
11b	CH1	Pass	11g	CH1	Pass
	CH11	Pass		CH11	Pass
11n HT 20	CH1	Pass	11n HT 40	CH3	Pass
	CH11	Pass		CH9	Pass
11ax HE 20	CH1	Pass	11ax HE 40	CH3	Pass
	CH11	Pass		CH9	Pass

### 9.5. Test graphs

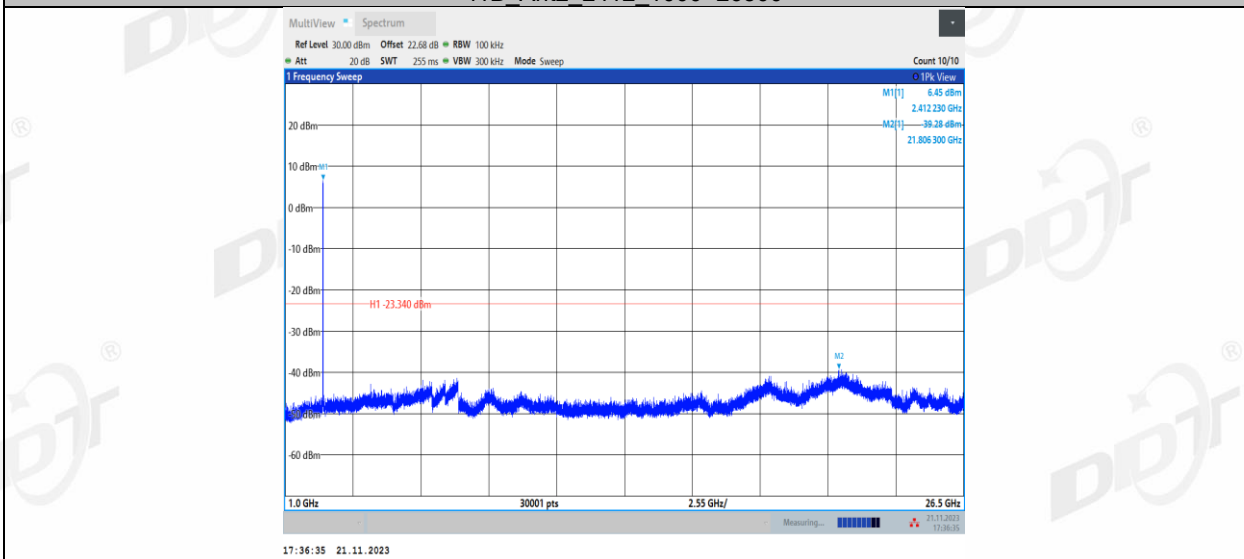




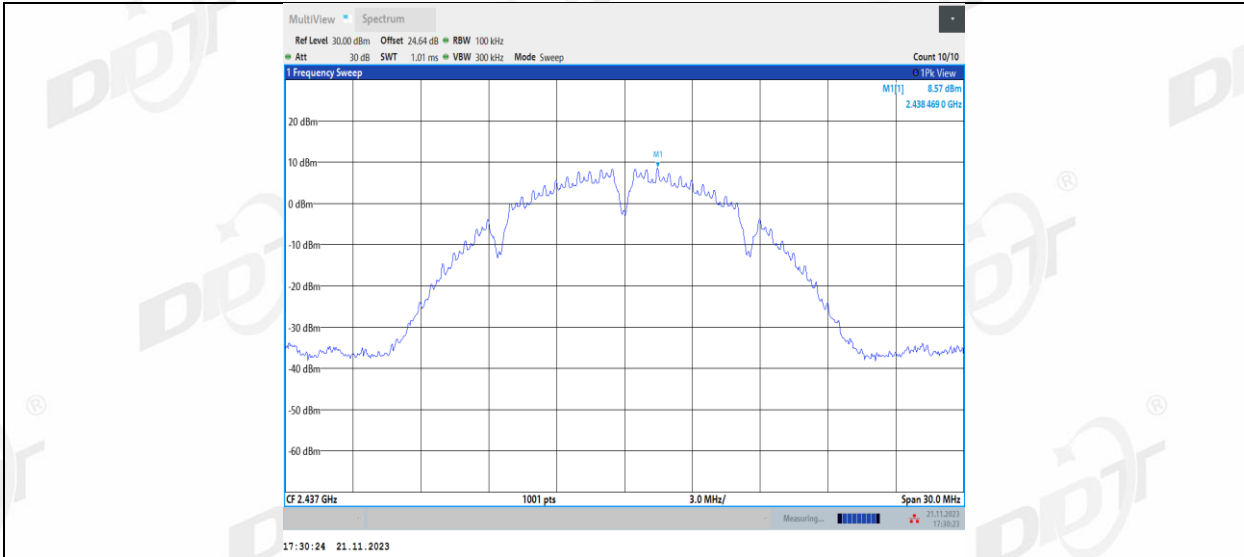
11B\_Ant2\_2412\_30~1000



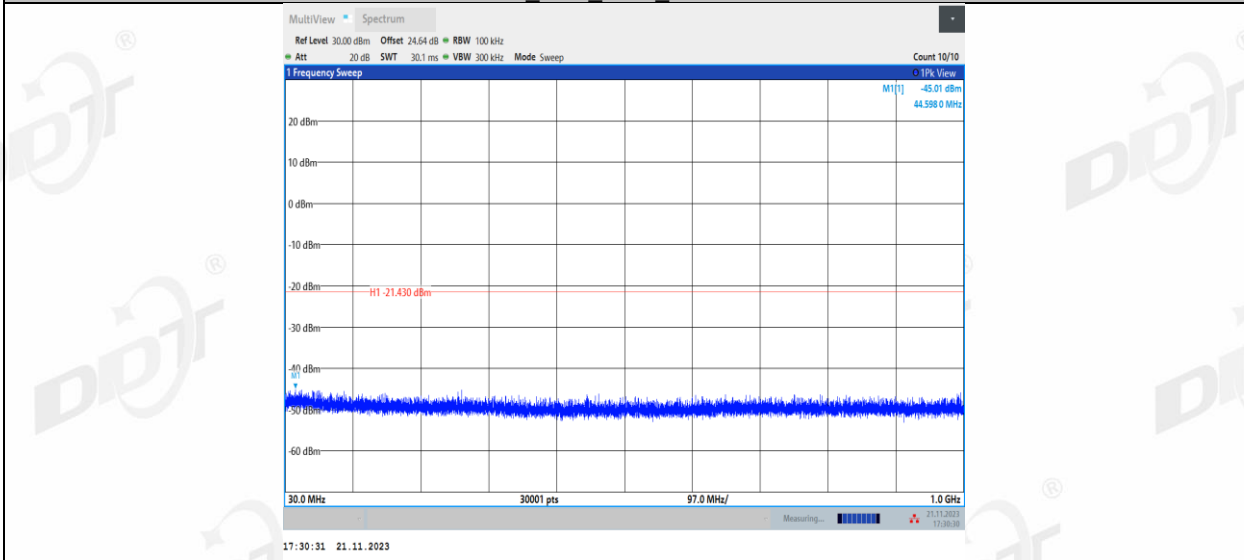
11B\_Ant2\_2412\_1000~26500



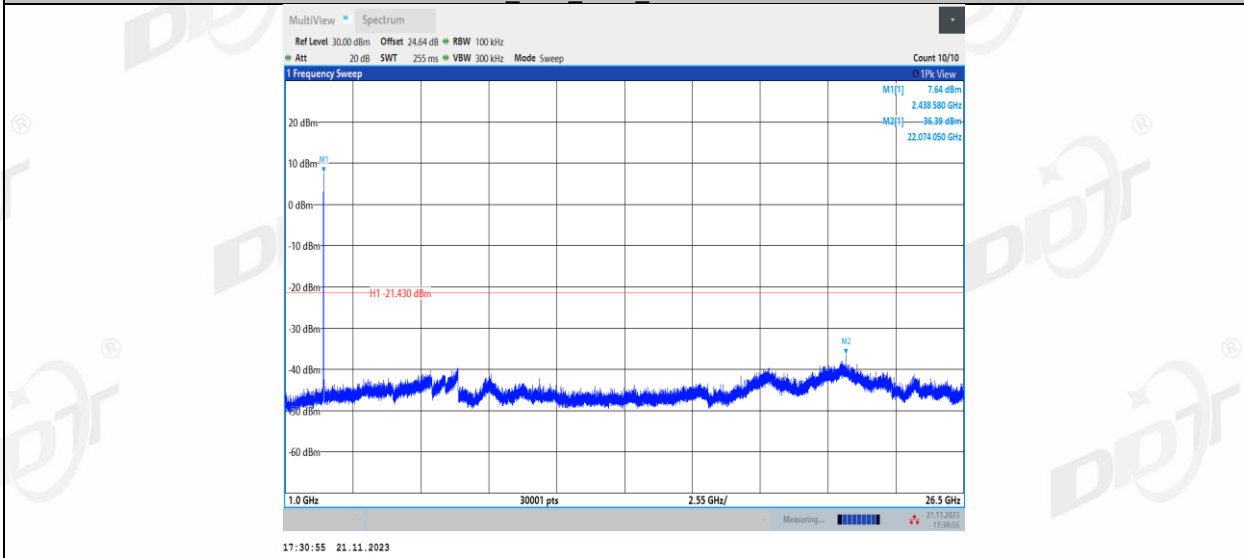
11B\_Ant1\_2437\_0~Reference



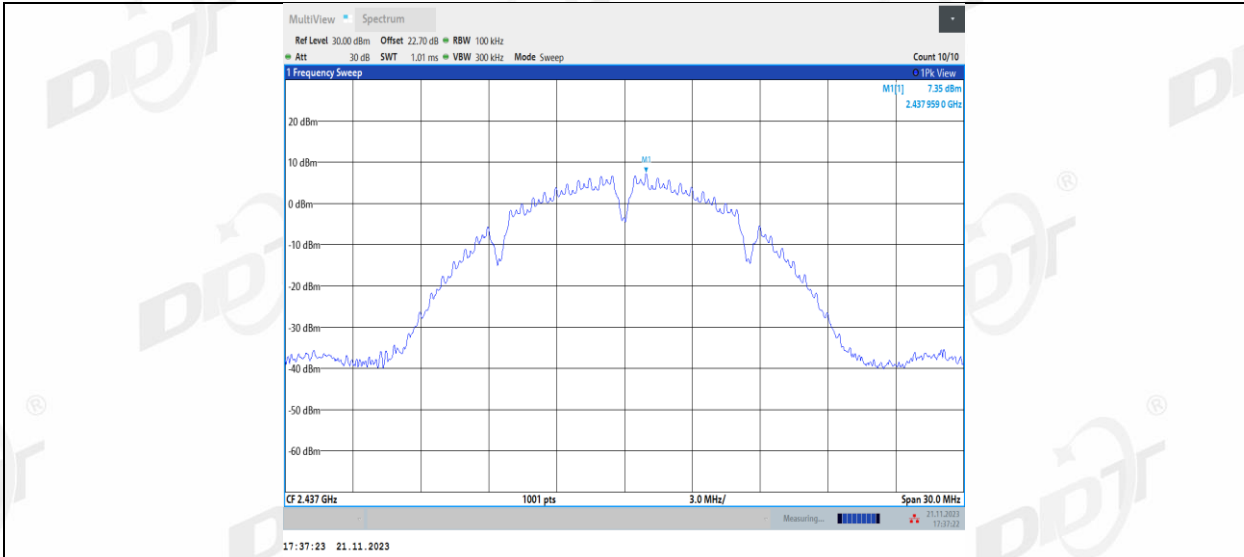
11B\_Ant1\_2437\_30~1000



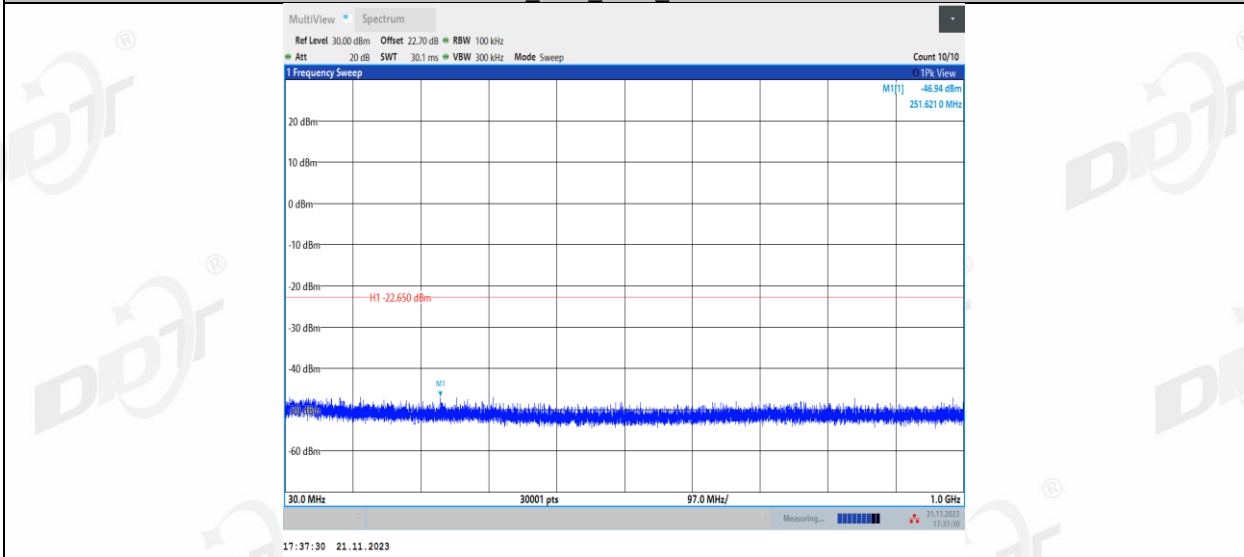
11B\_Ant1\_2437\_1000~26500



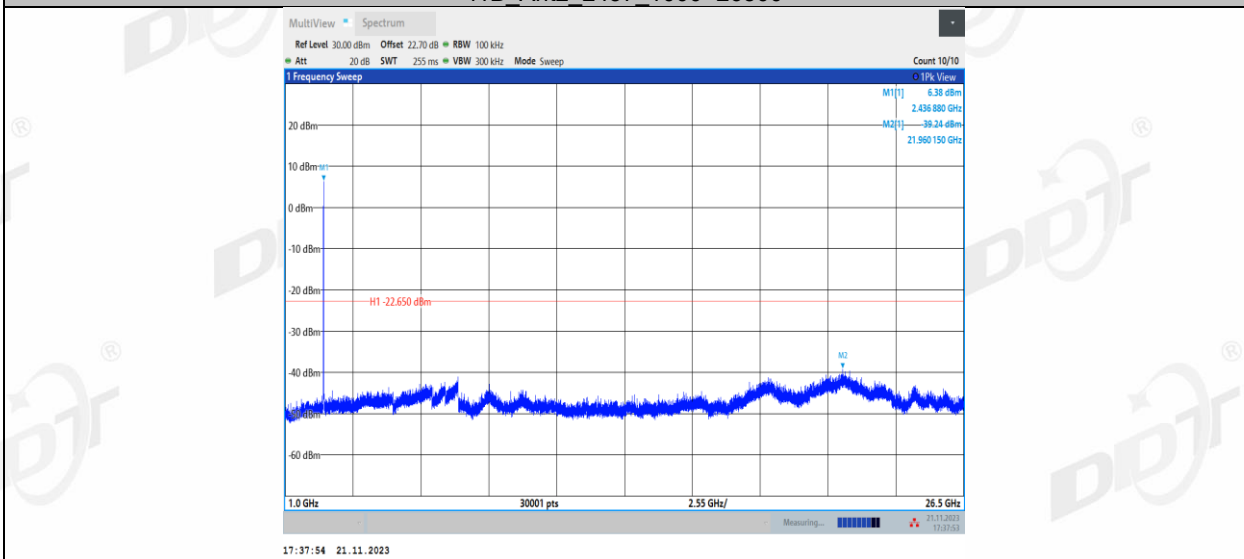
11B\_Ant2\_2437\_0~Reference



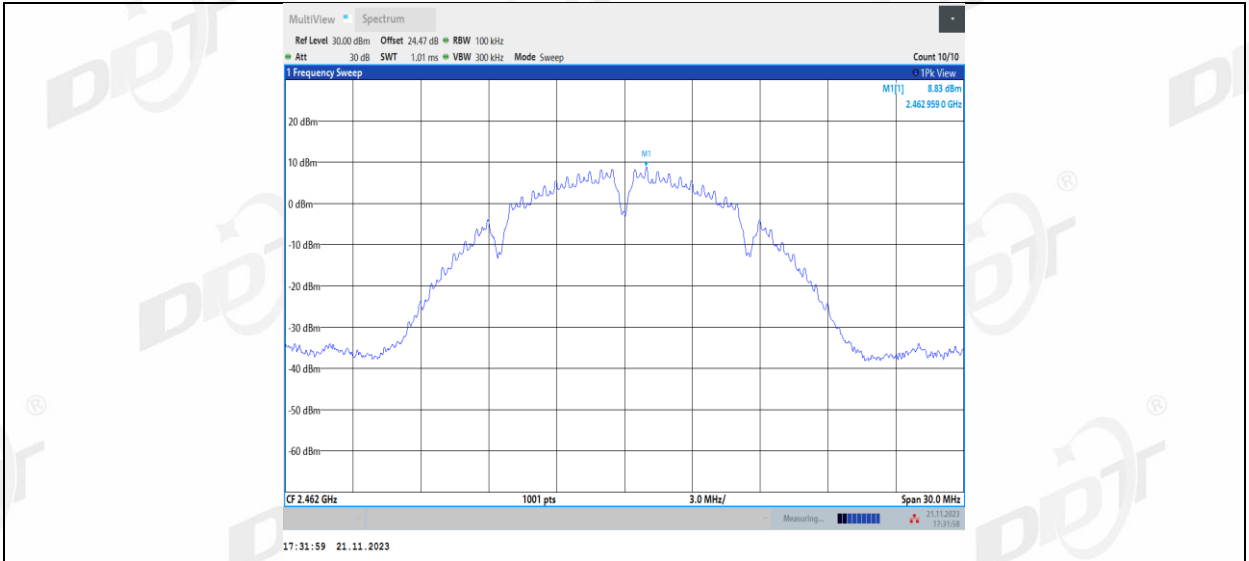
11B\_Ant2\_2437\_30~1000



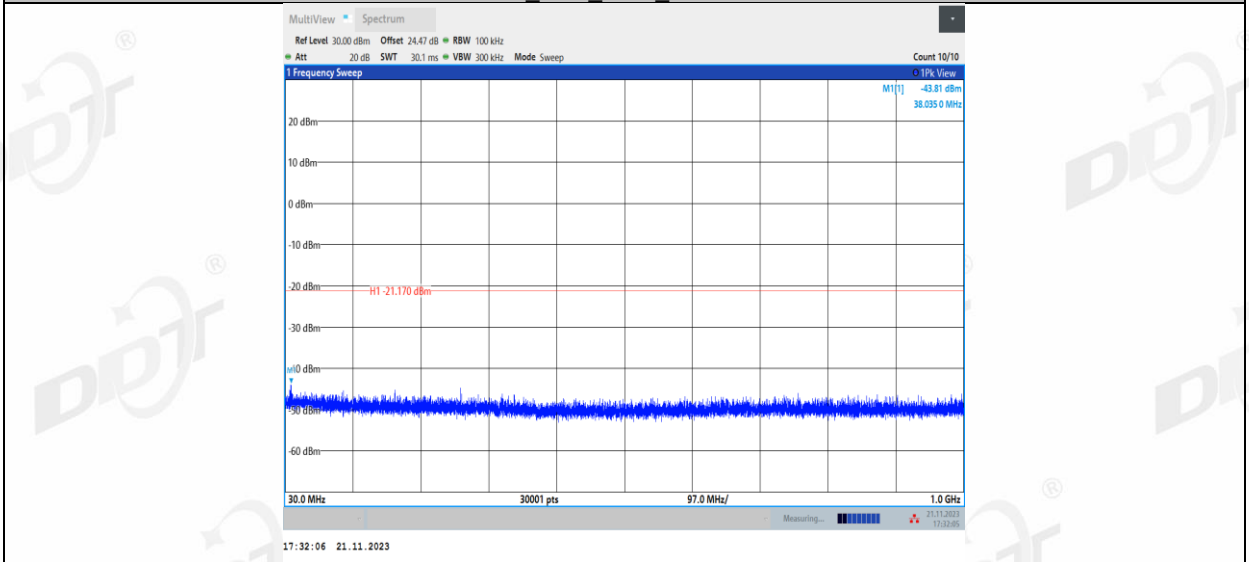
11B\_Ant2\_2437\_1000~26500



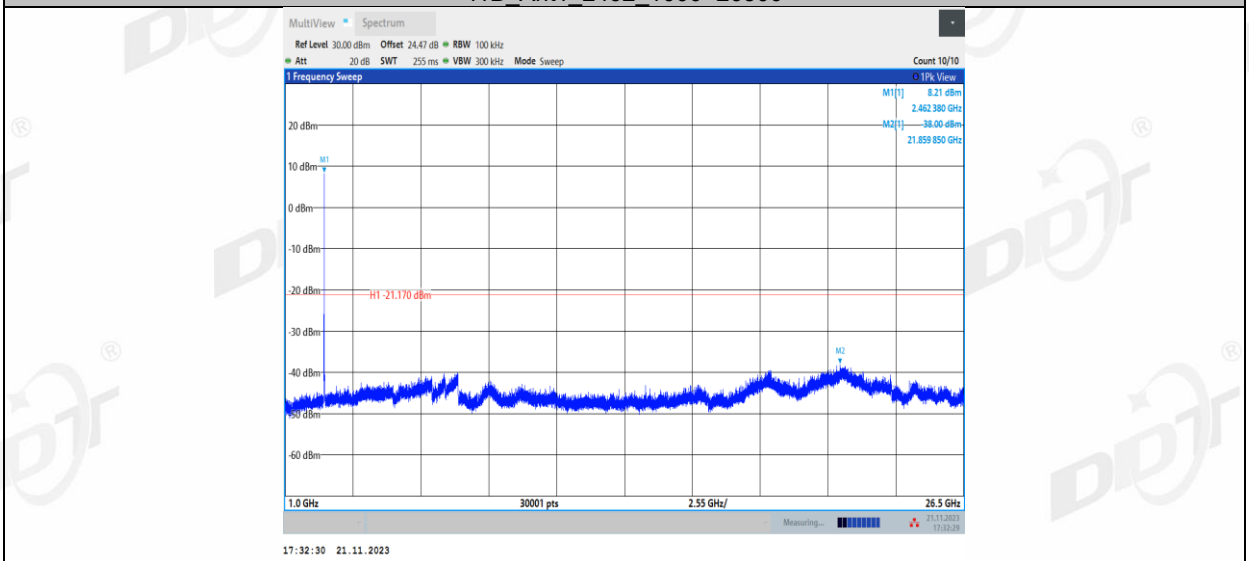
11B\_Ant1\_2462\_0~Reference



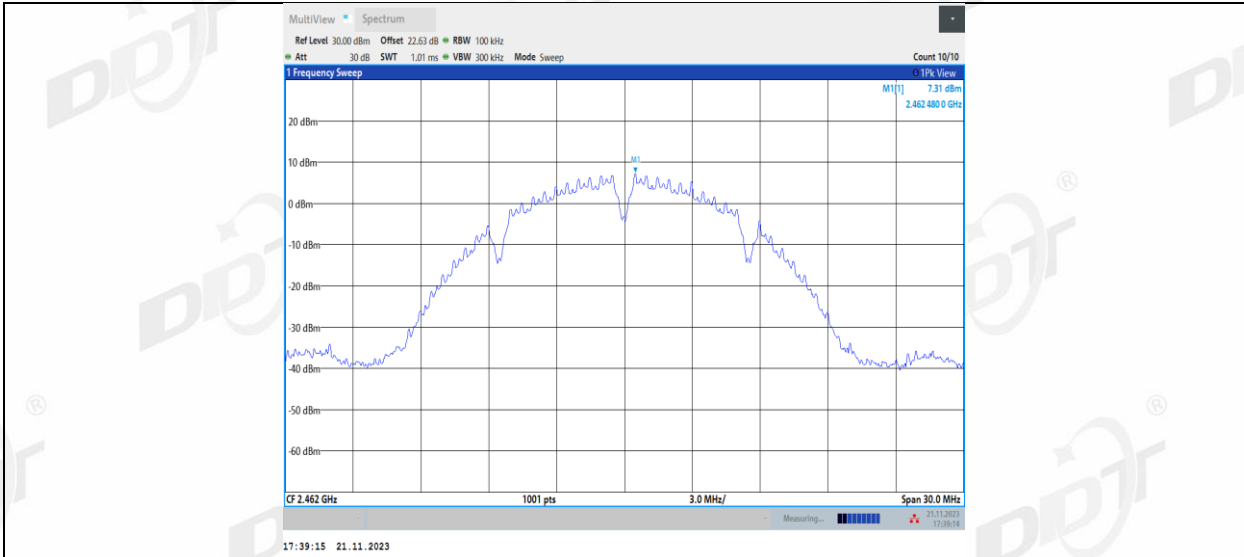
11B\_Ant1\_2462\_30~1000



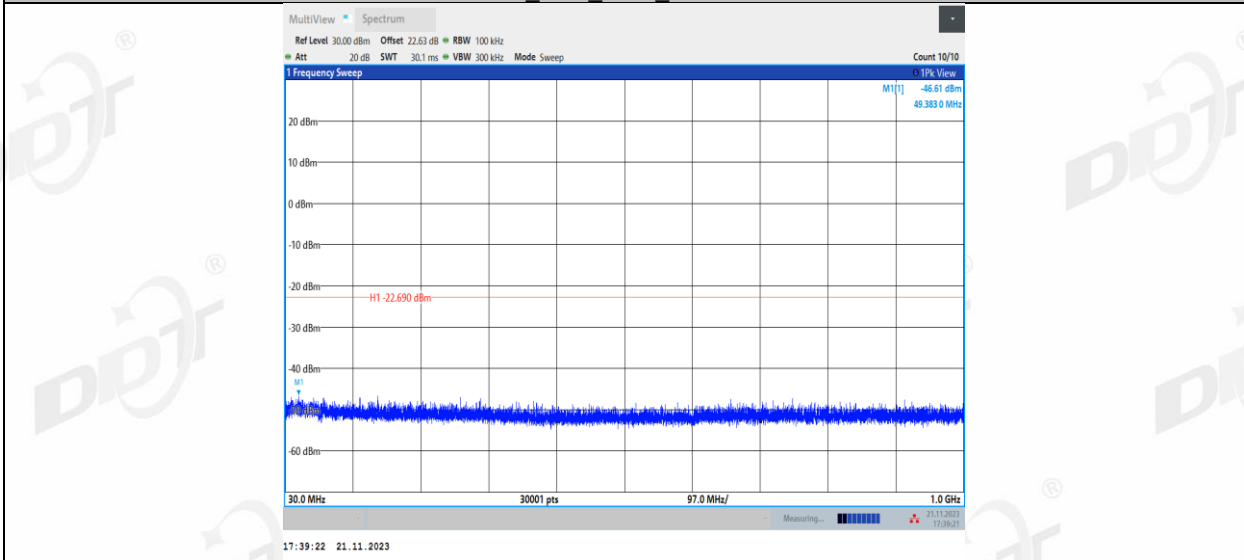
11B\_Ant1\_2462\_1000~26500



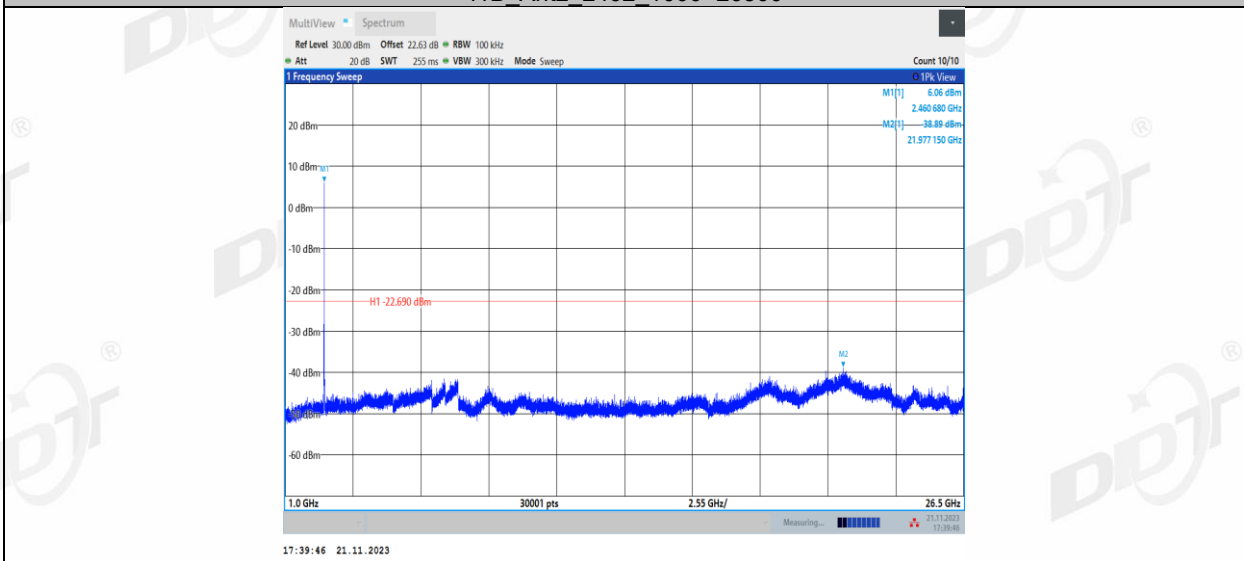
11B\_Ant2\_2462\_0~Reference



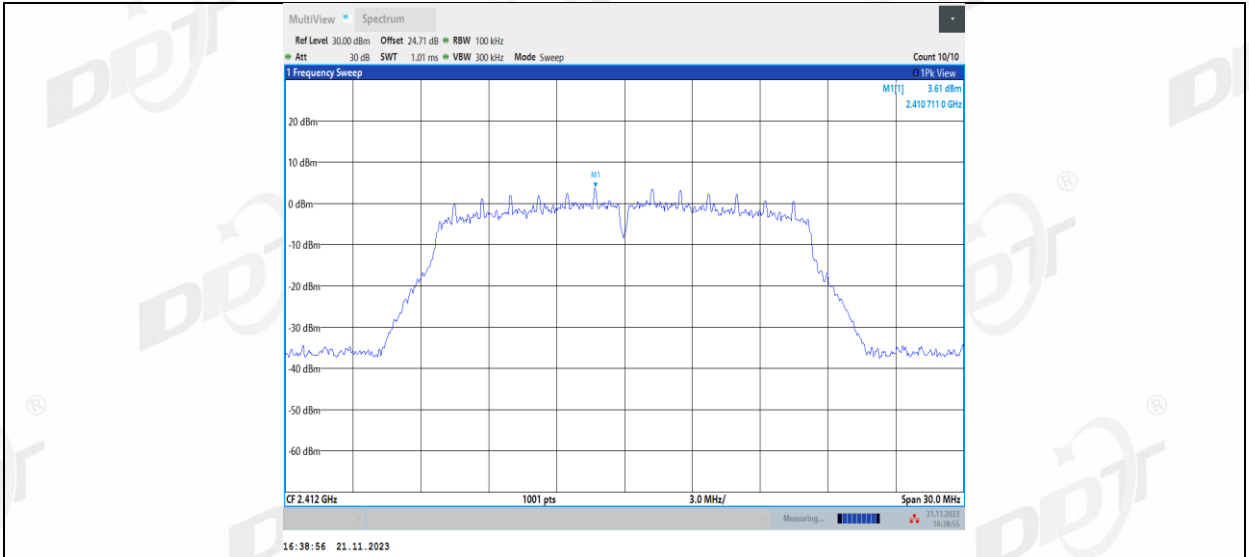
11B\_Ant2\_2462\_30~1000



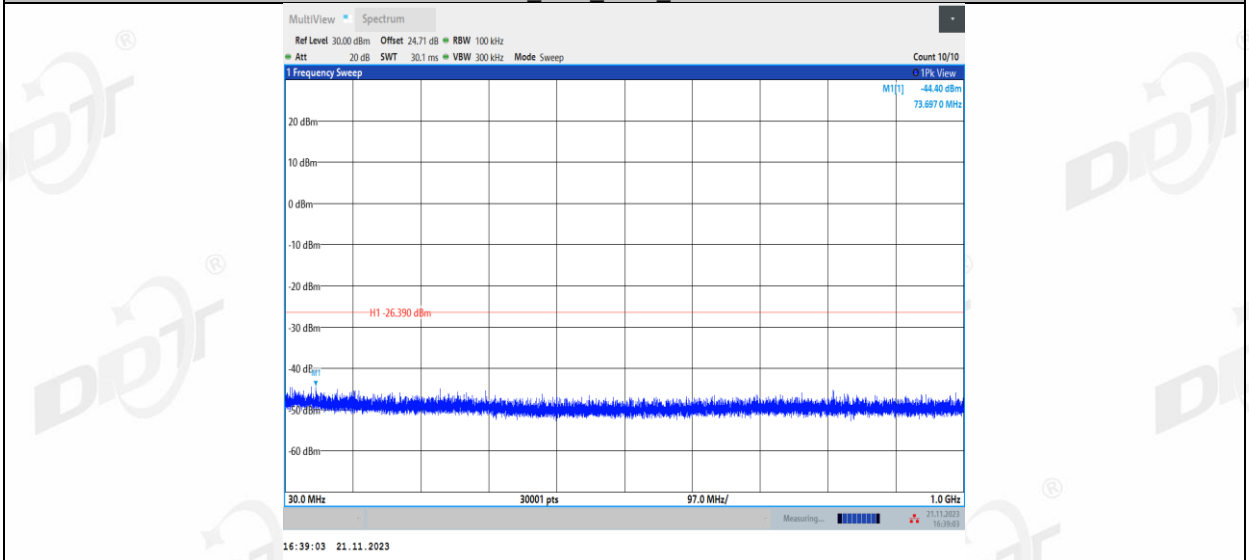
11B\_Ant2\_2462\_1000~26500



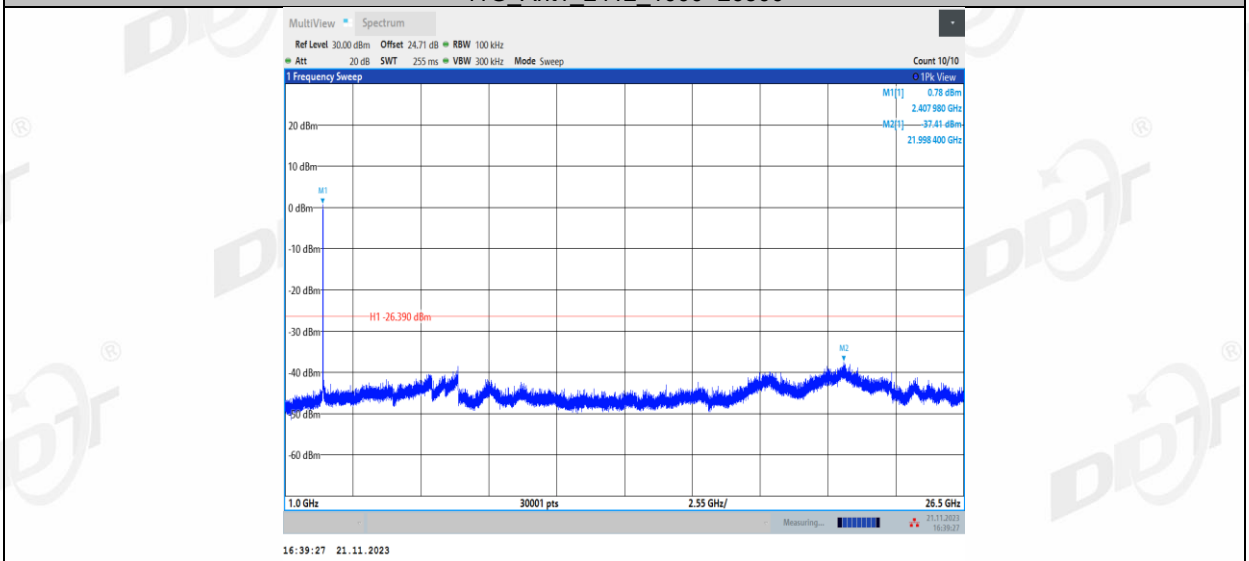
11G\_Ant1\_2412\_0~Reference



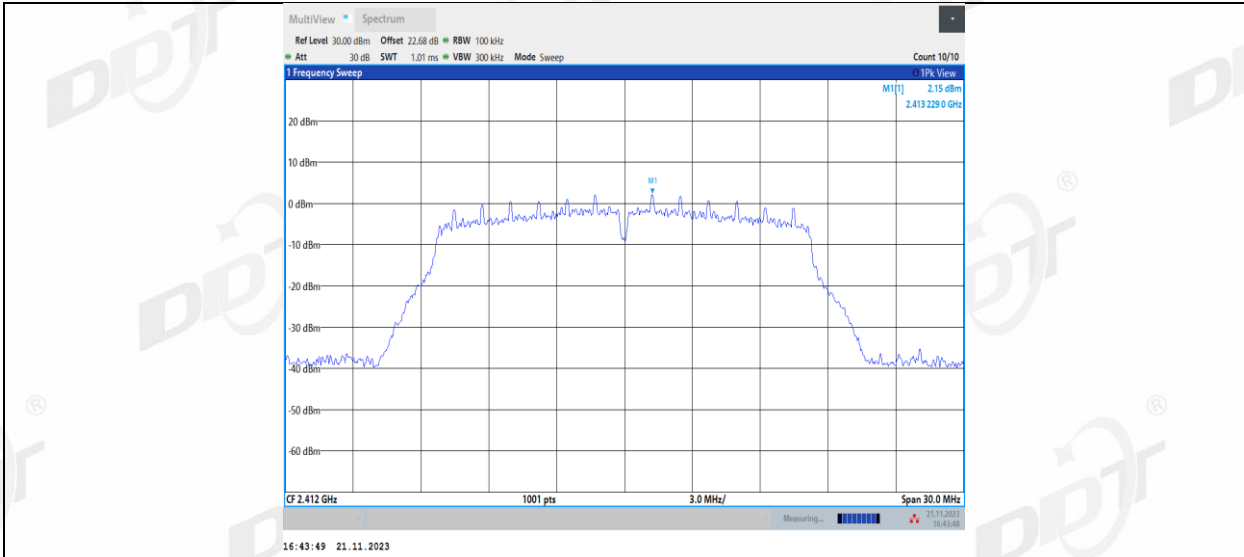
11G\_Ant1\_2412\_30~1000



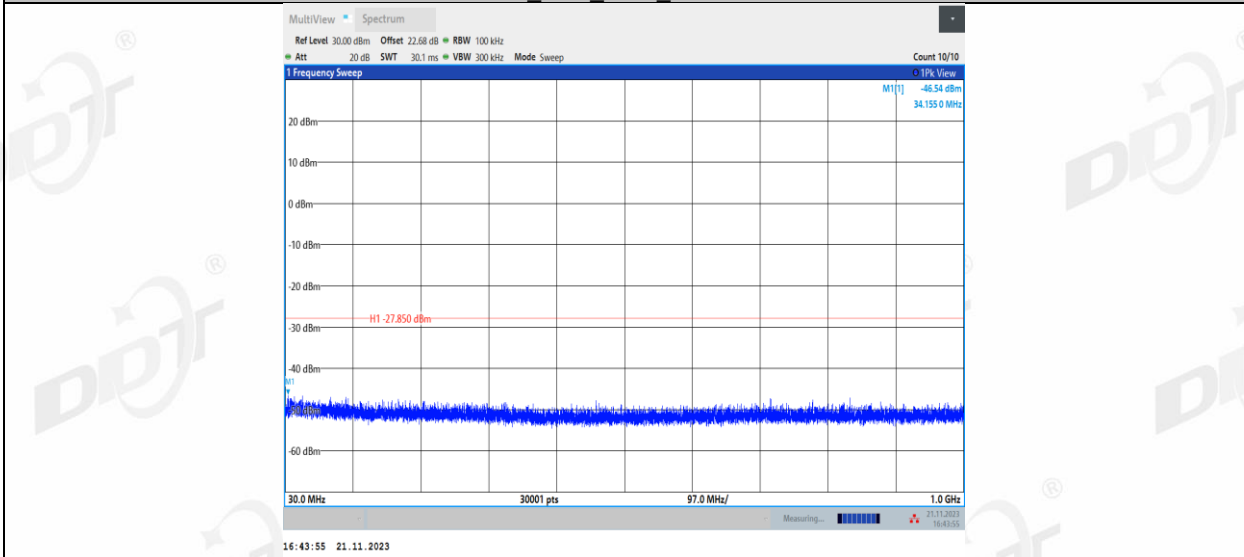
11G\_Ant1\_2412\_1000~26500



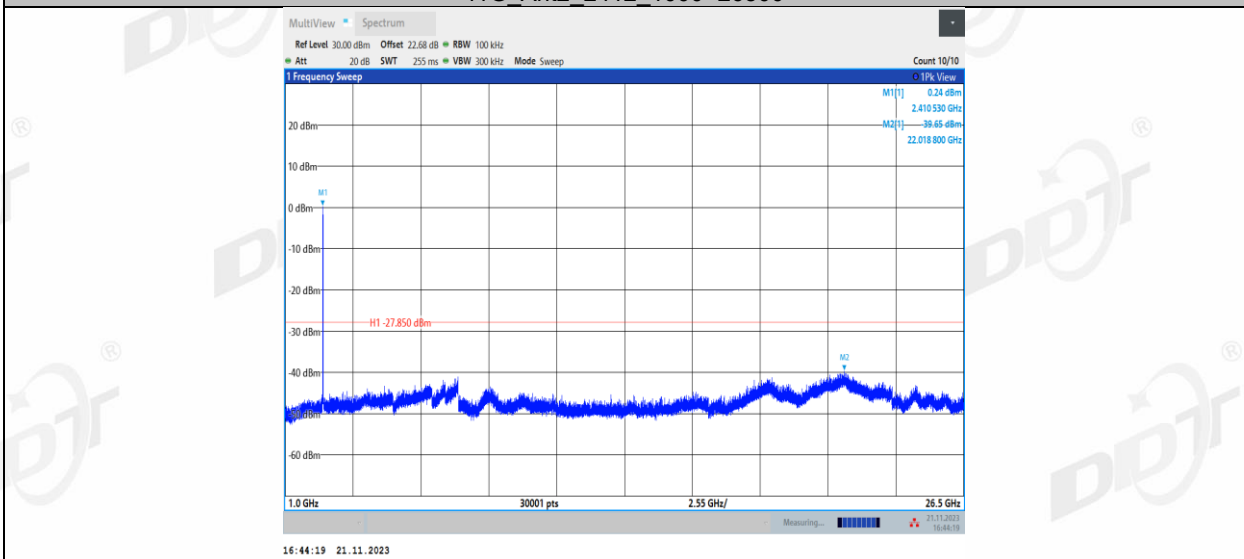
11G\_Ant2\_2412\_0~Reference



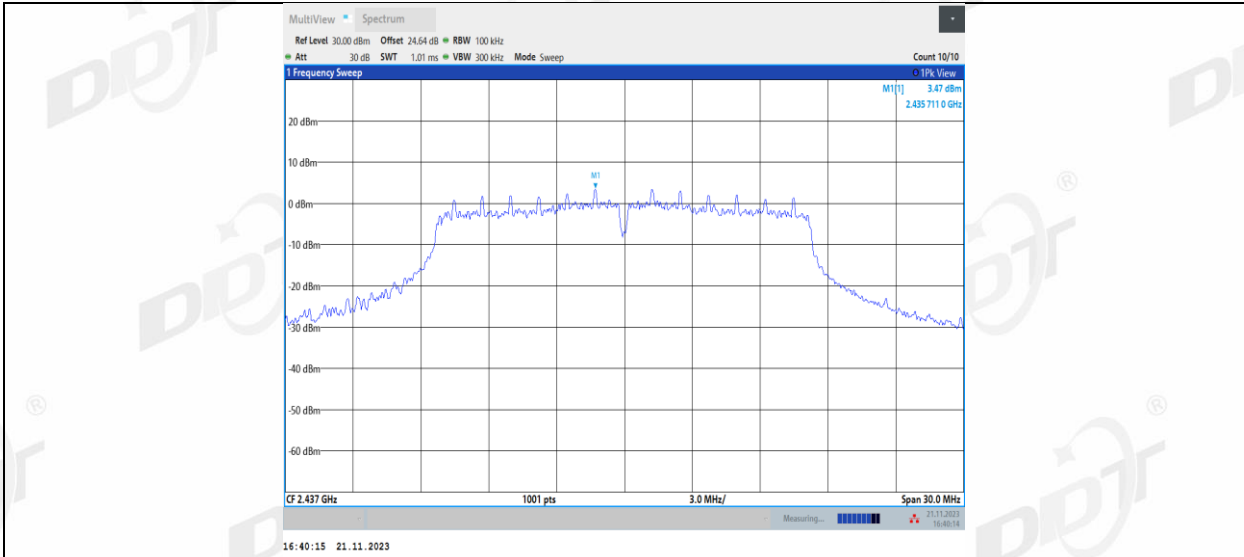
11G\_Ant2\_2412\_30~1000



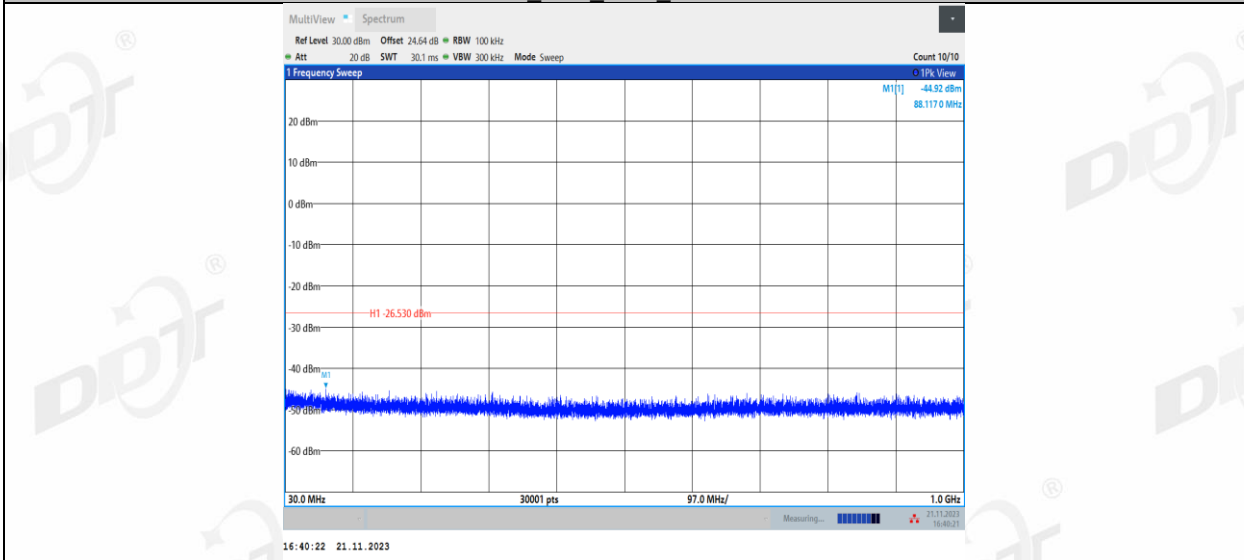
11G\_Ant2\_2412\_1000~26500



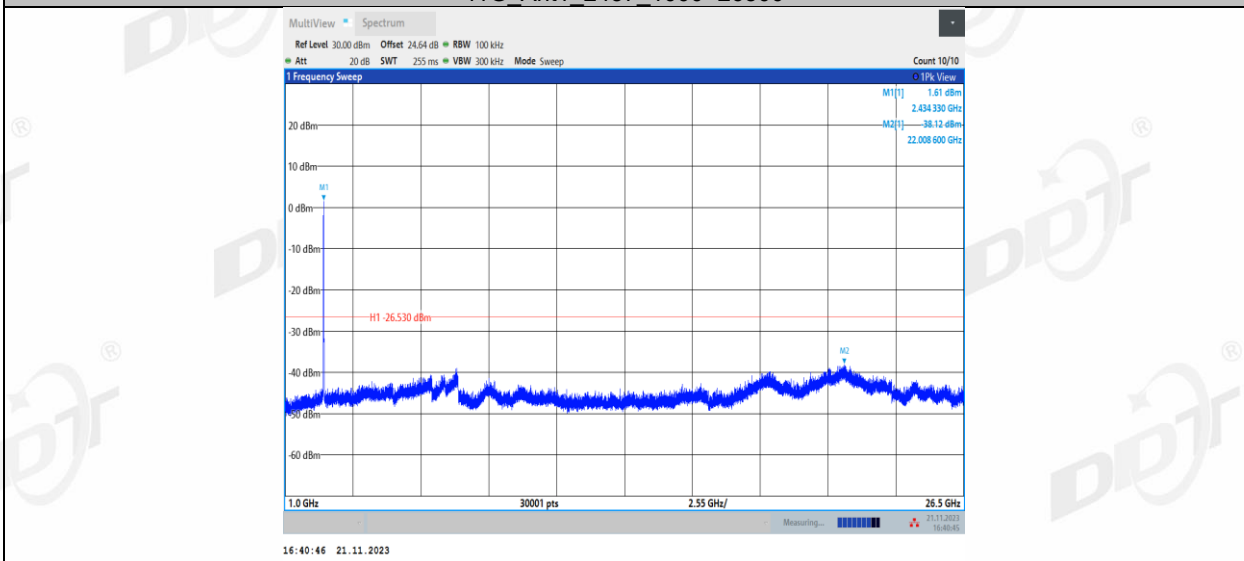
11G\_Ant1\_2437\_0~Reference



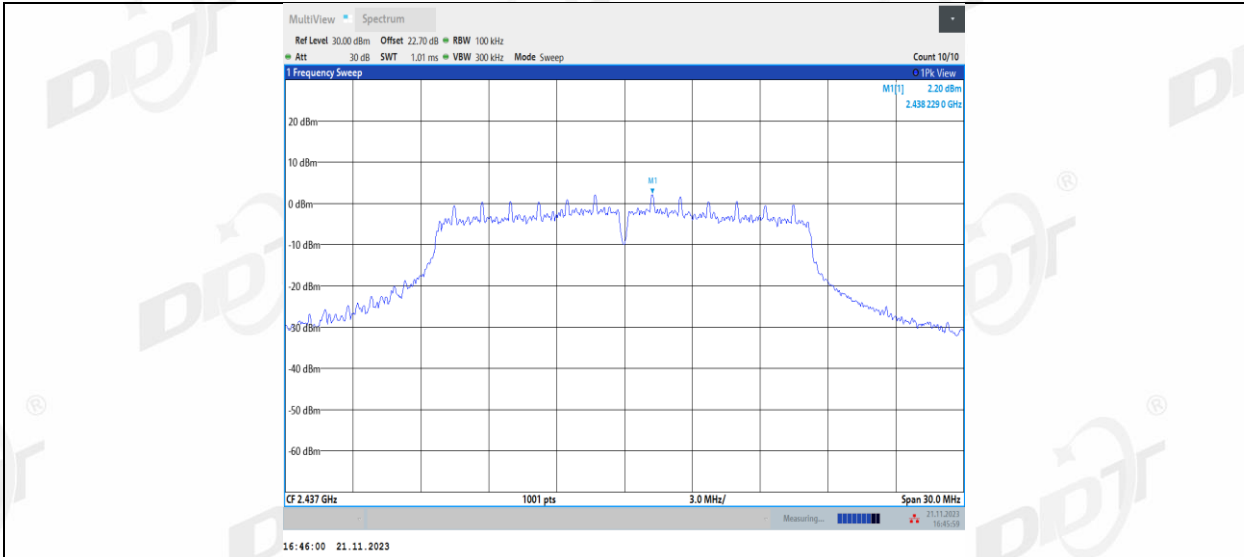
11G\_Ant1\_2437\_30~1000



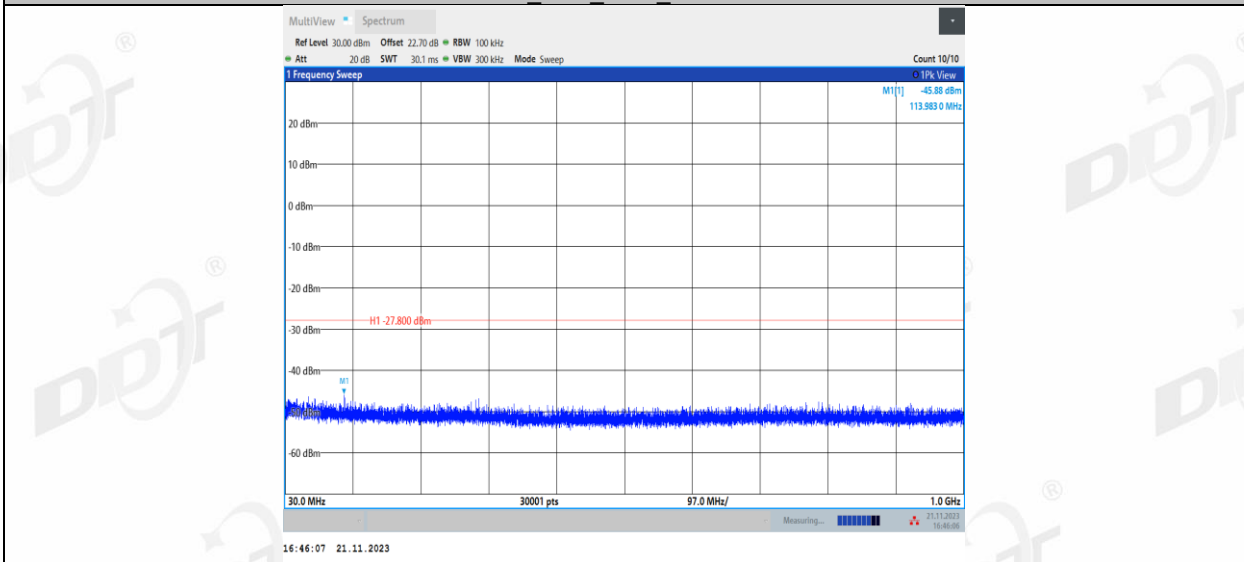
11G\_Ant1\_2437\_1000~26500



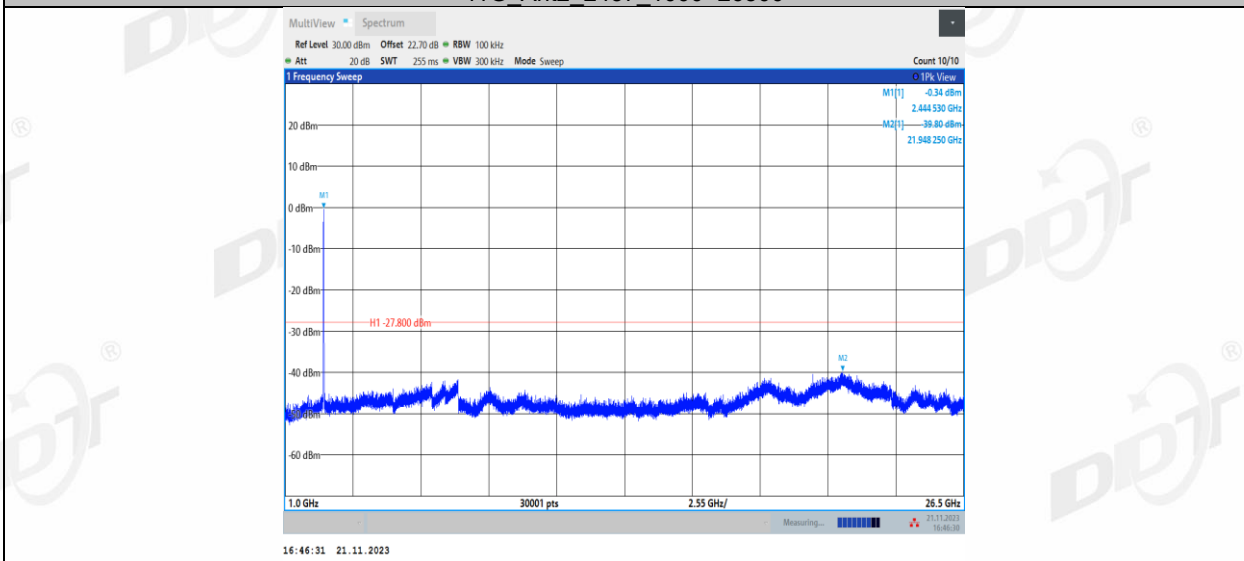
11G\_Ant2\_2437\_0~Reference



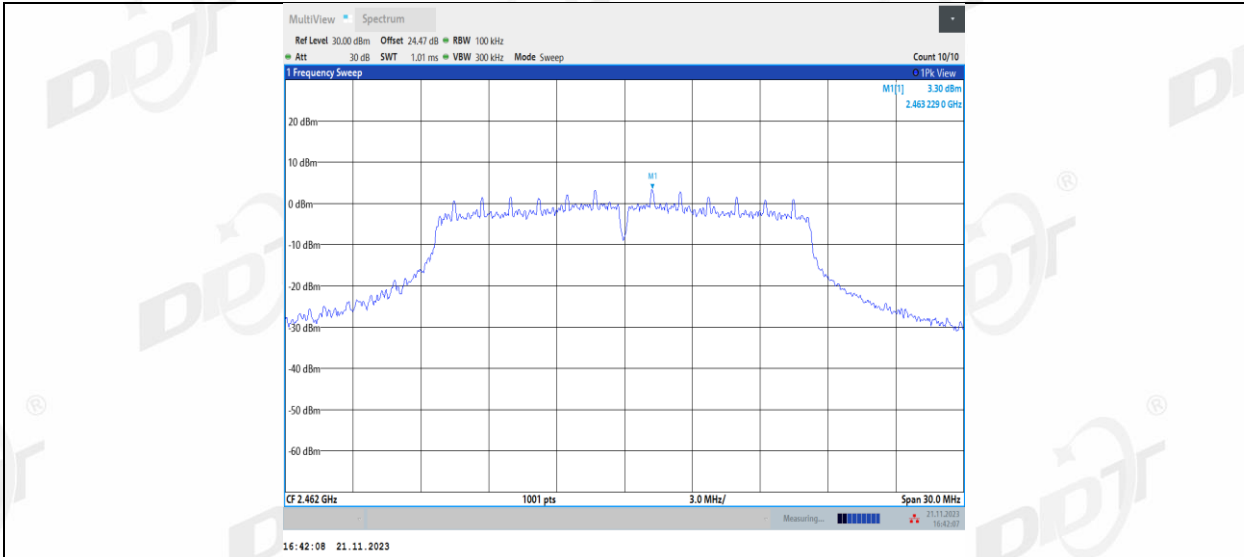
11G\_Ant2\_2437\_30~1000



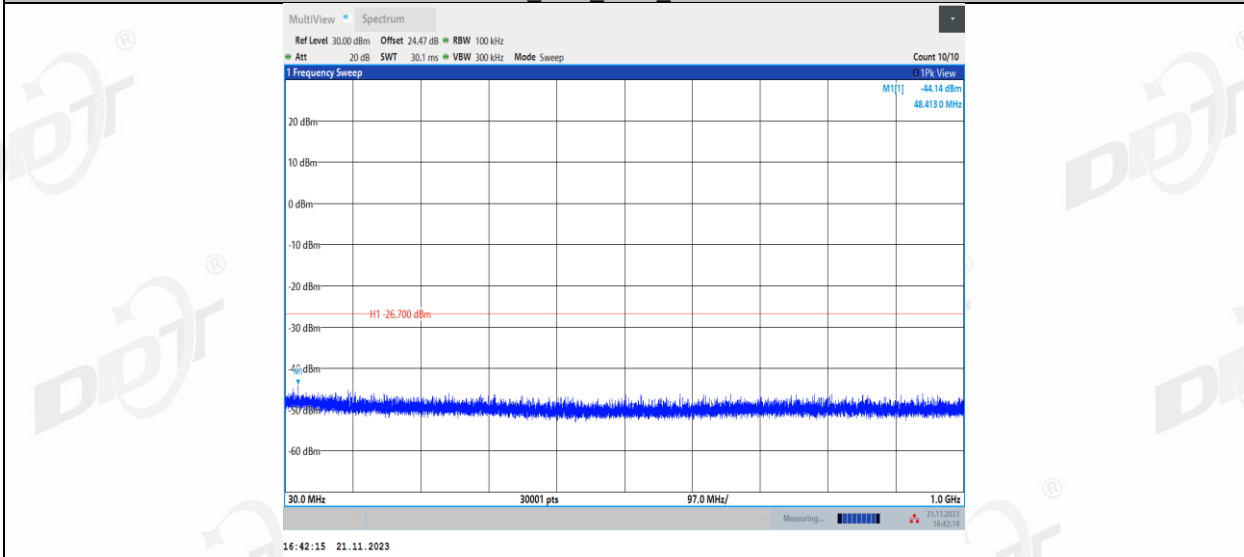
11G\_Ant2\_2437\_1000~26500



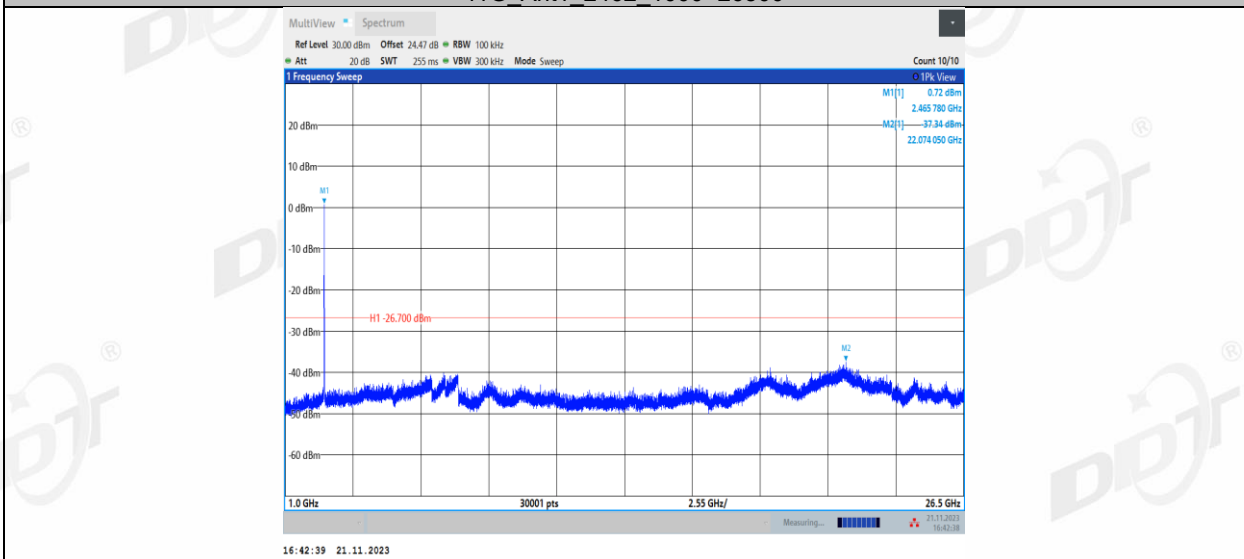
11G\_Ant1\_2462\_0~Reference



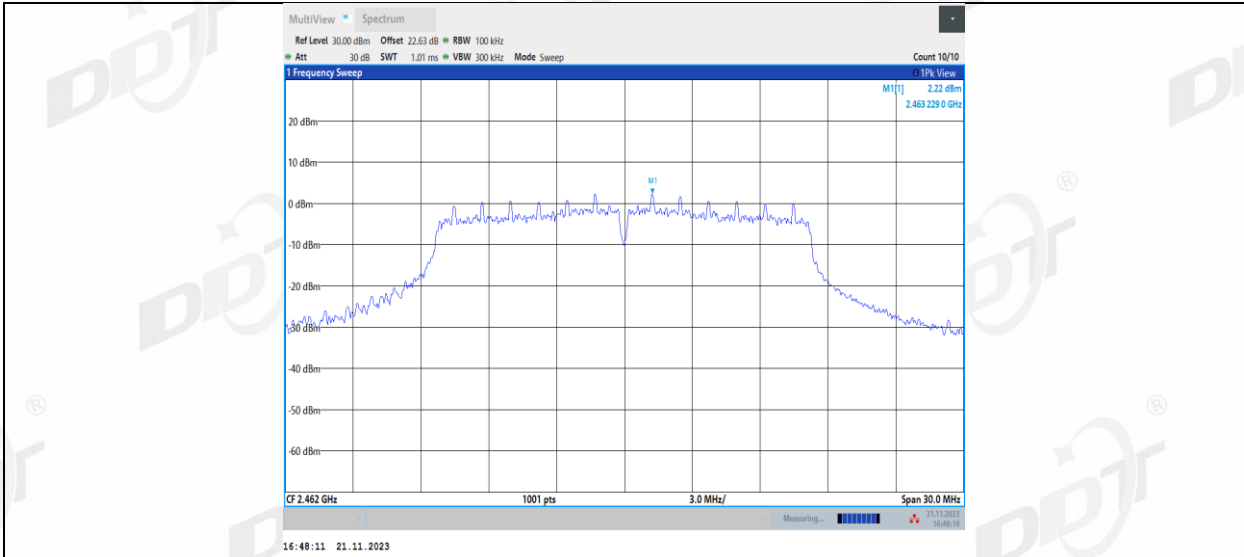
11G\_Ant1\_2462\_30~1000



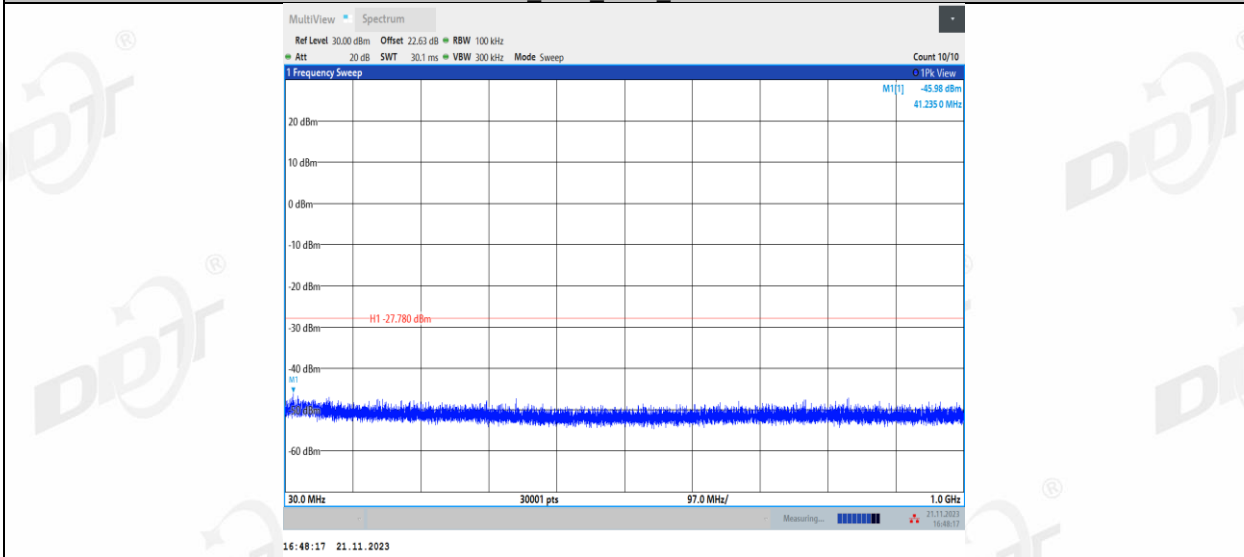
11G\_Ant1\_2462\_1000~26500



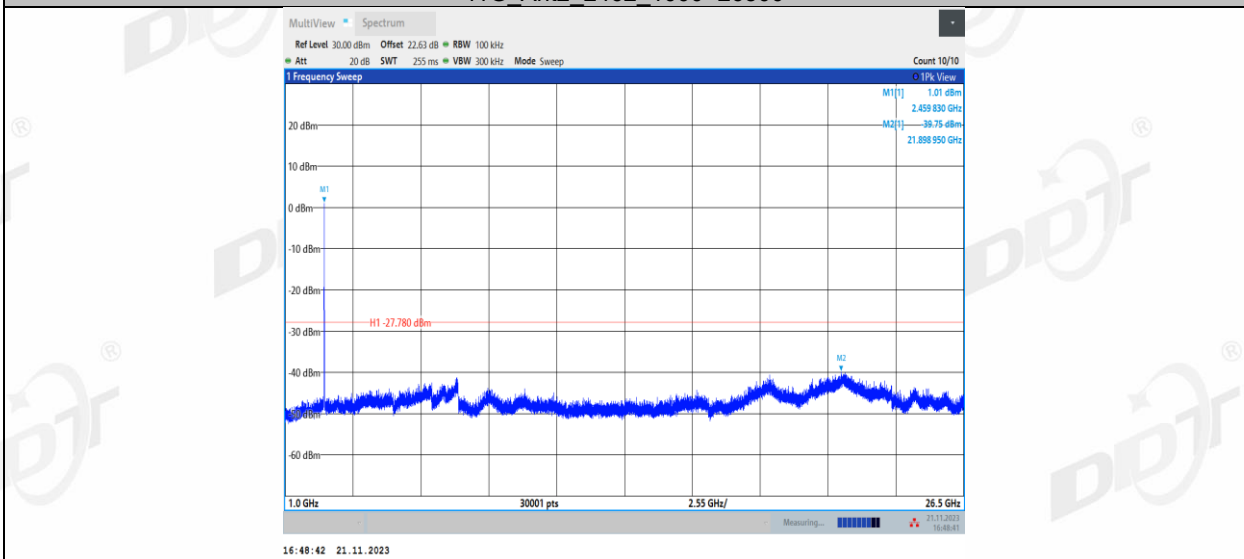
11G\_Ant2\_2462\_0~Reference



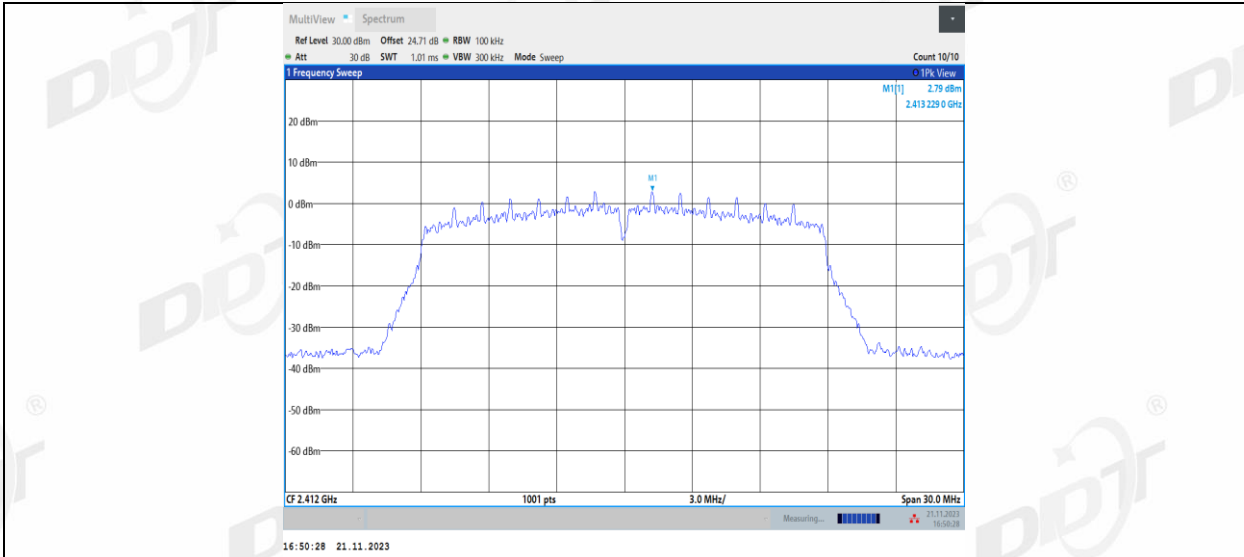
11G\_Ant2\_2462\_30~1000



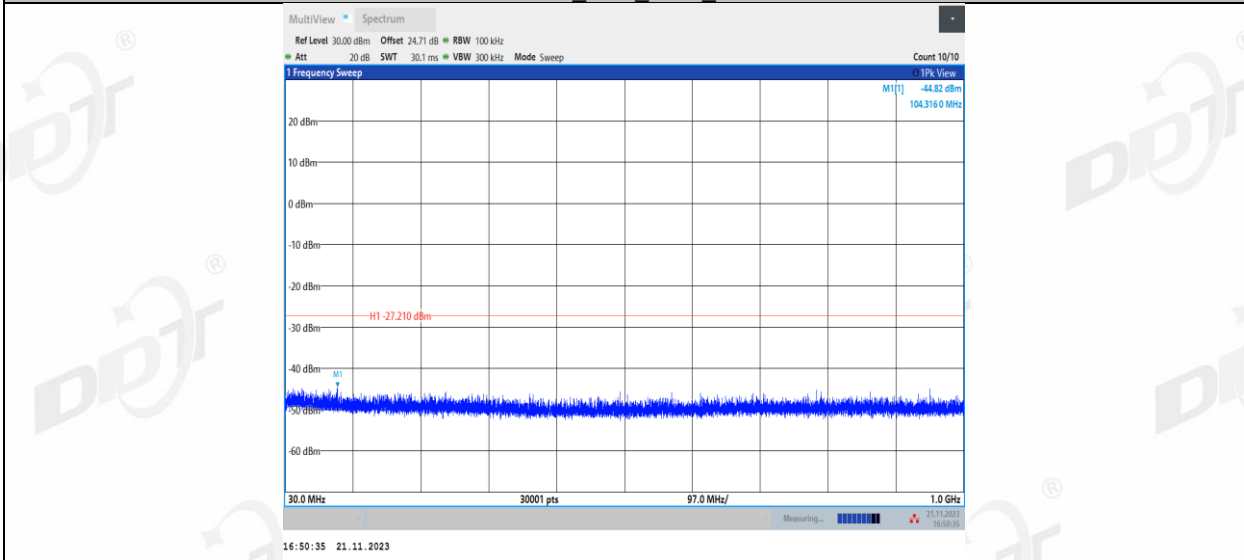
11G\_Ant2\_2462\_1000~26500



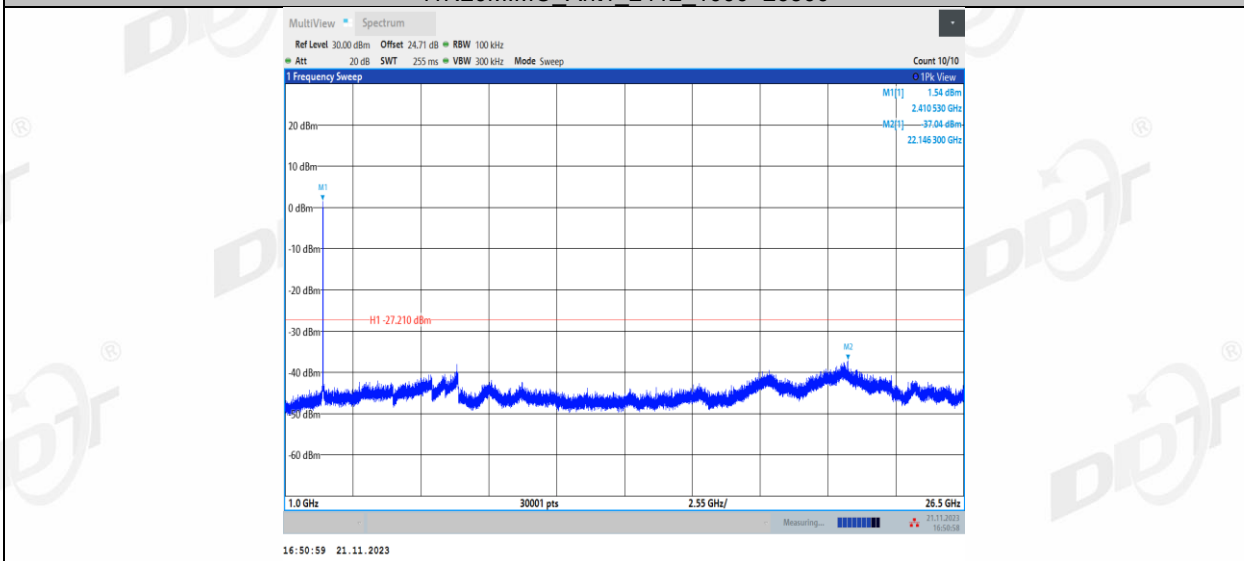
11N20MIMO Ant1\_2412\_0~Reference



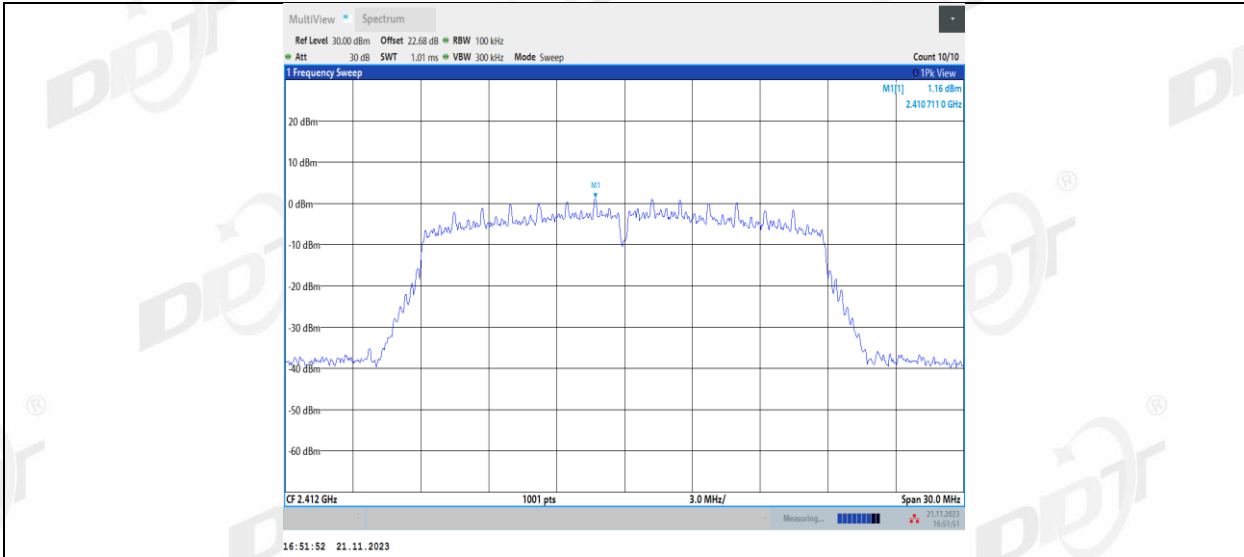
11N20MIMO\_Ant1\_2412\_30~1000



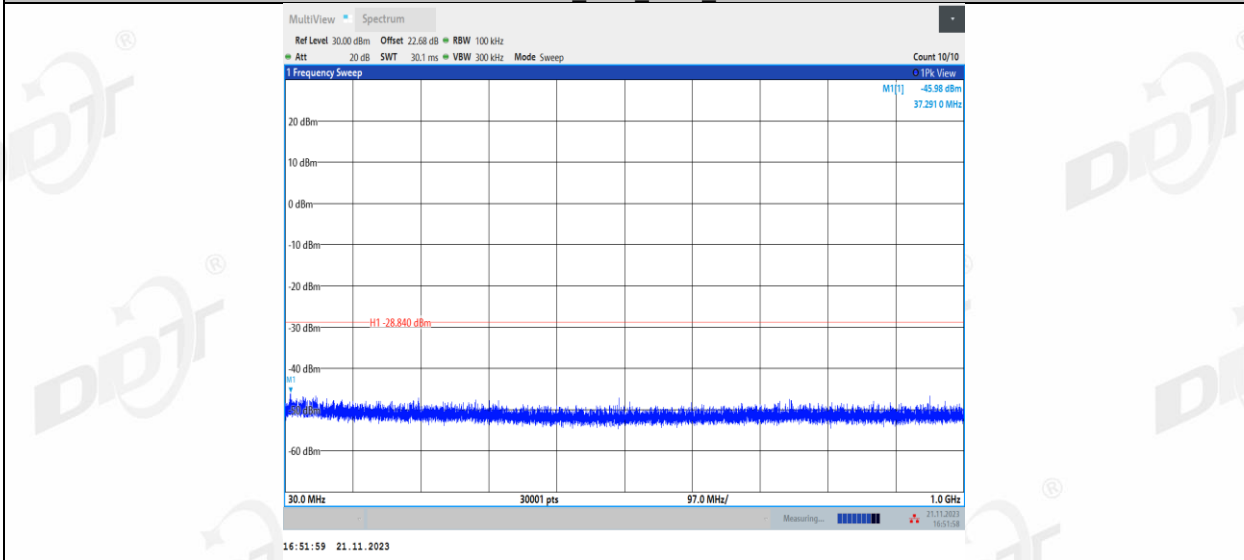
11N20MIMO\_Ant1\_2412\_1000~26500



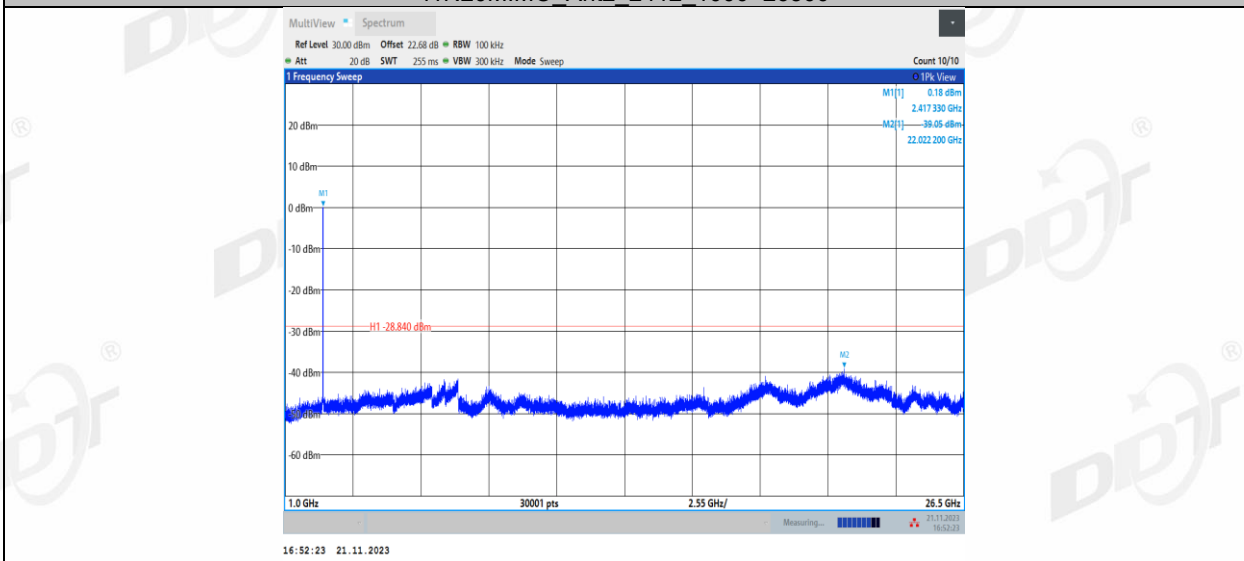
11N20MIMO\_Ant2\_2412\_0~Reference



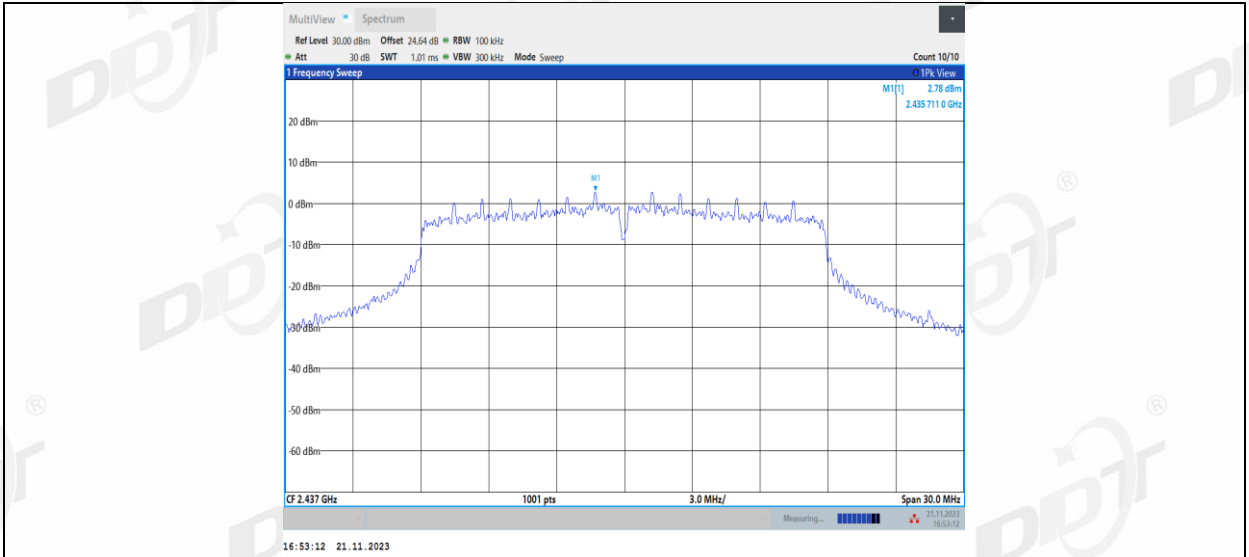
11N20MIMO\_Ant2\_2412\_30~1000



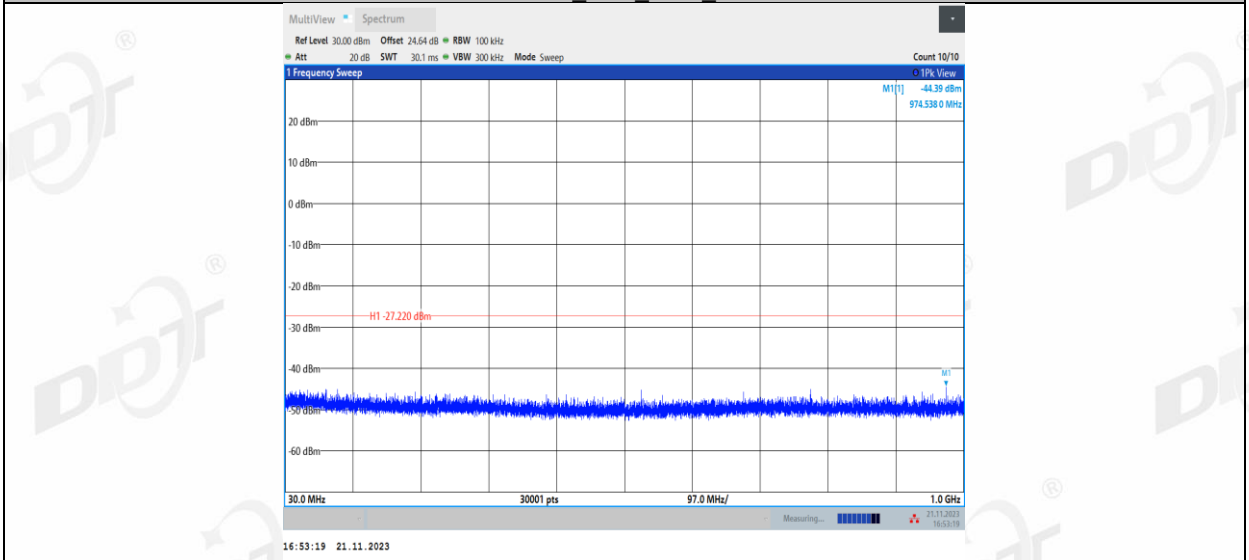
11N20MIMO\_Ant2\_2412\_1000~26500



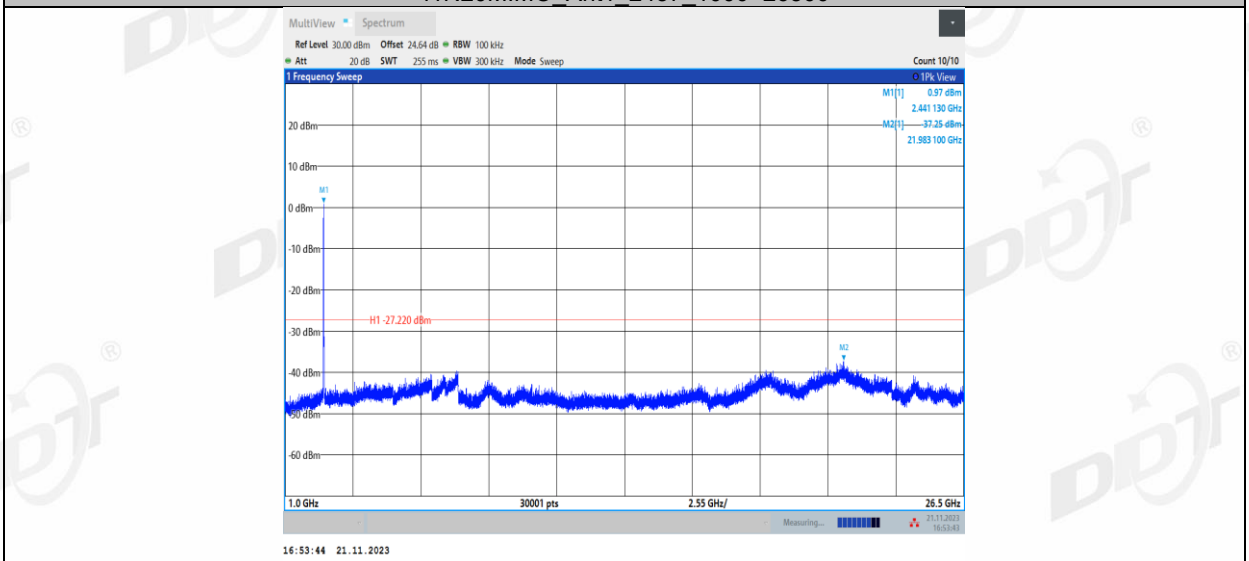
11N20MIMO\_Ant1\_2437\_0~Reference



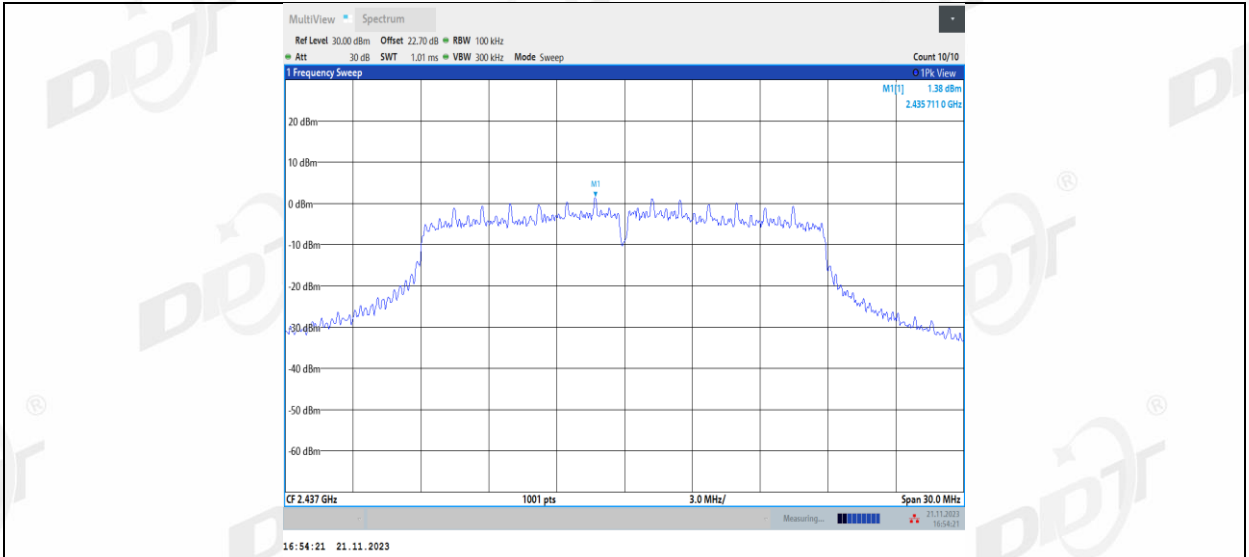
11N20MIMO\_Ant1\_2437\_30~1000



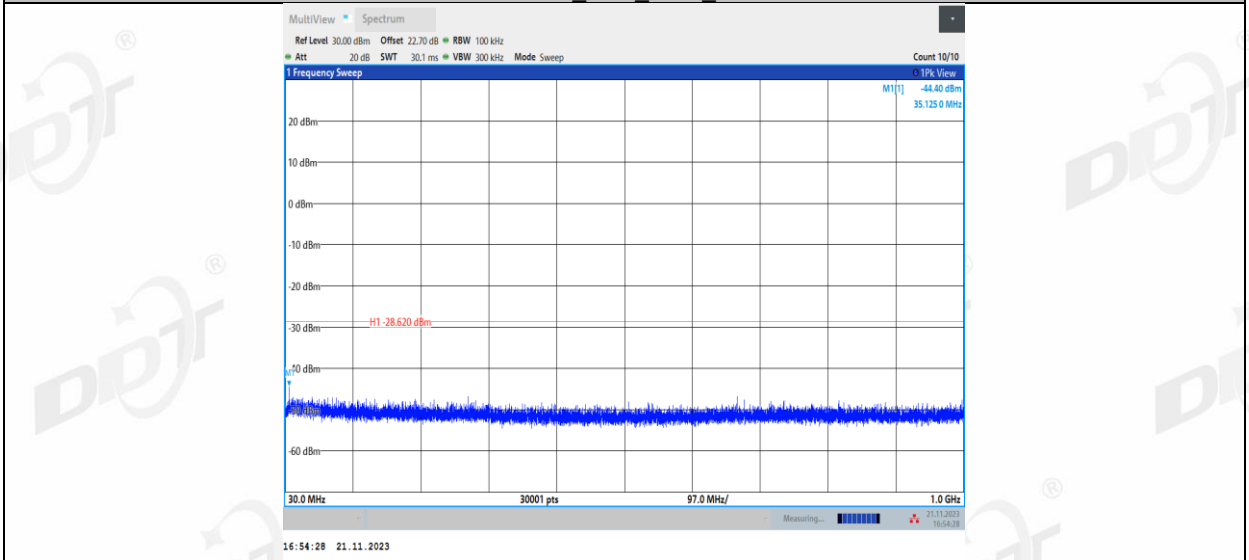
11N20MIMO\_Ant1\_2437\_1000~26500



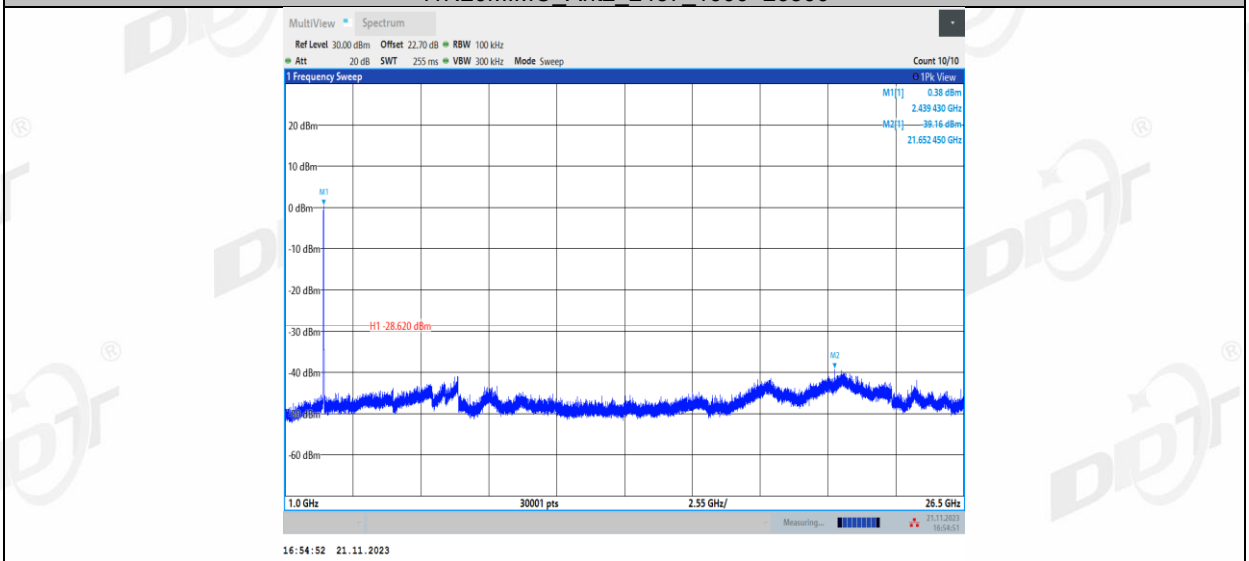
11N20MIMO\_Ant2\_2437\_0~Reference



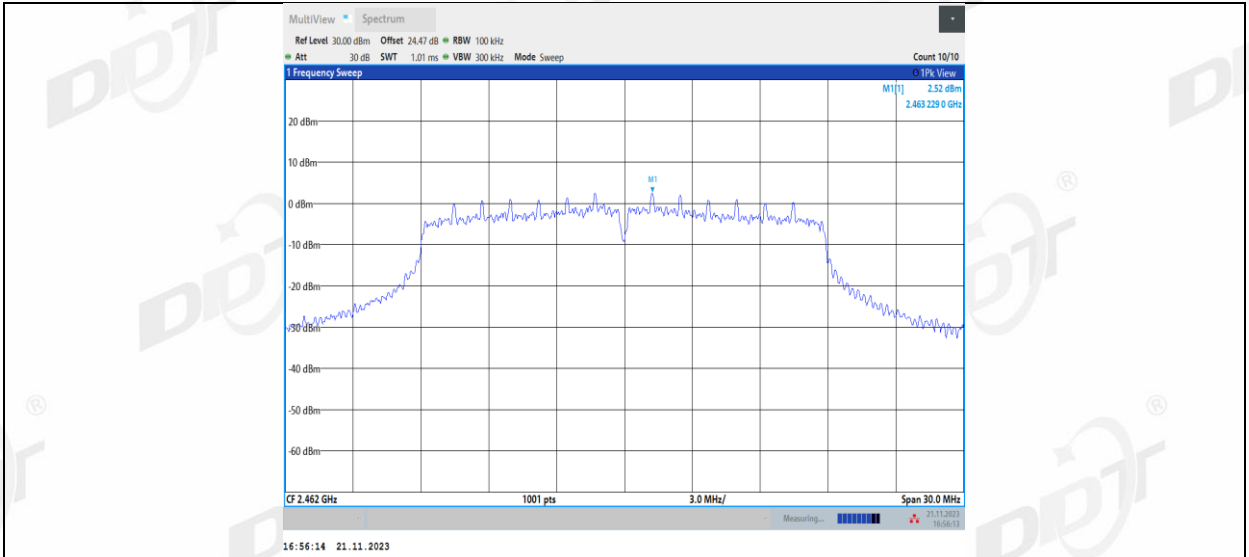
11N20MIMO\_Ant2\_2437\_30~1000



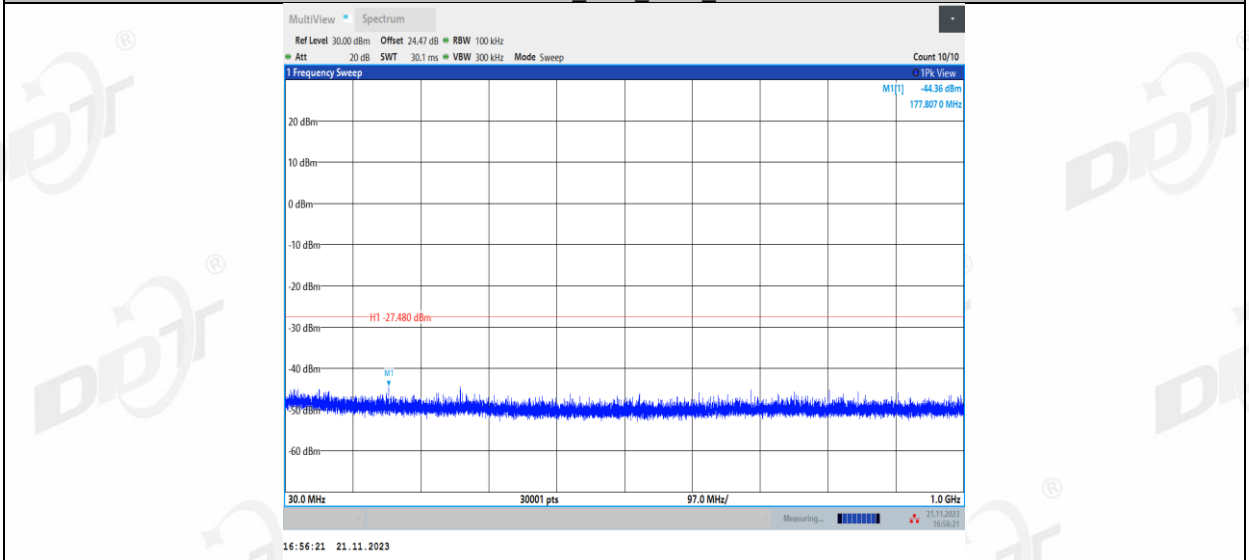
11N20MIMO\_Ant2\_2437\_1000~26500



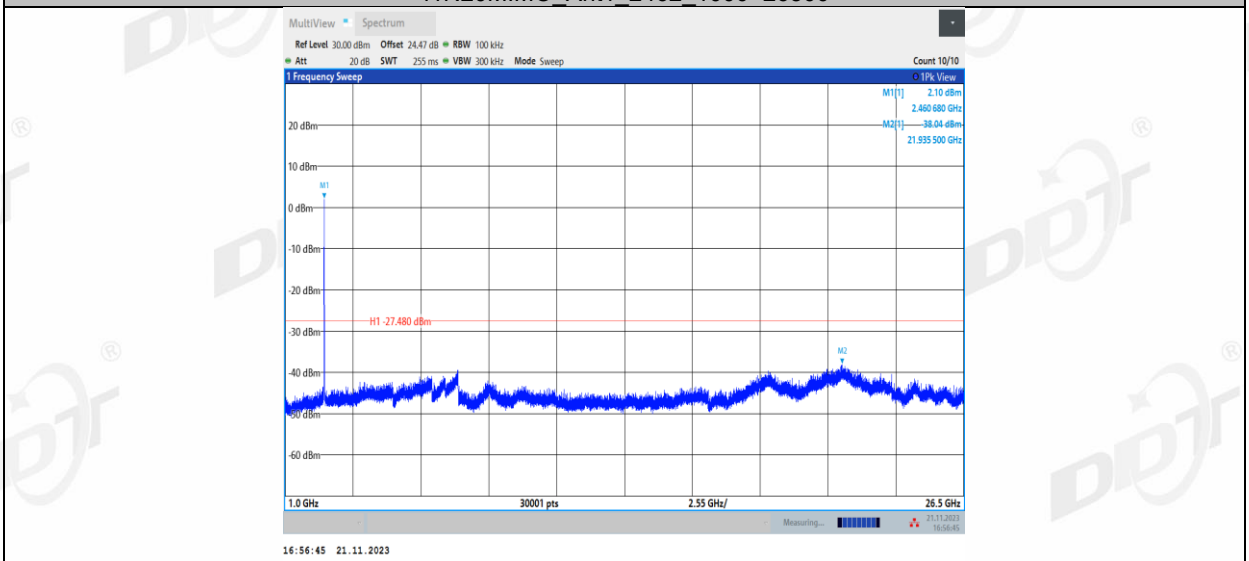
11N20MIMO\_Ant1\_2462\_0~Reference



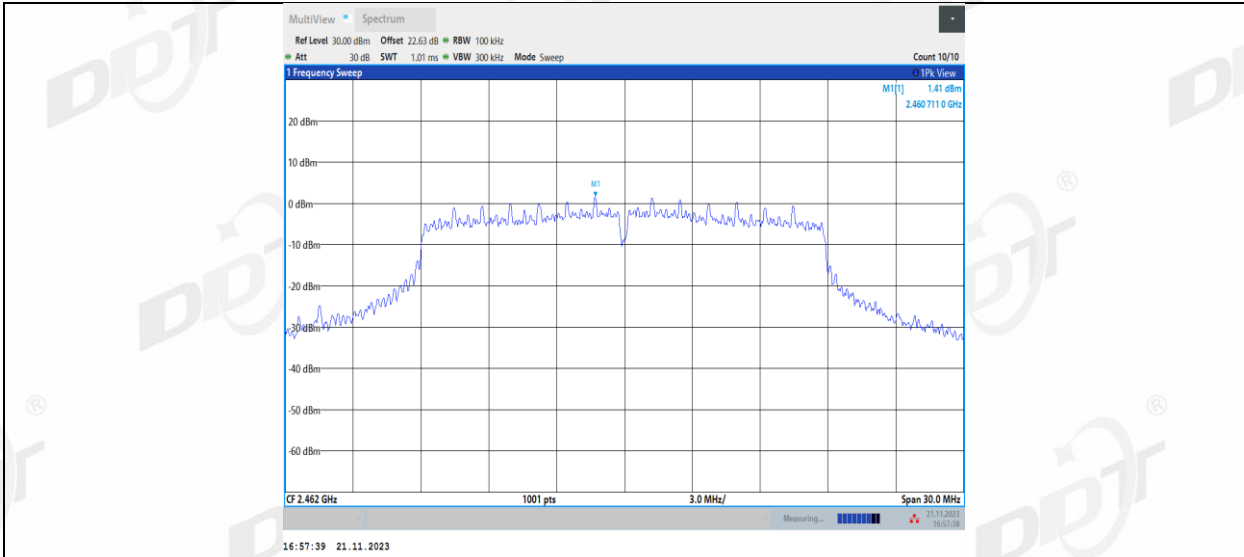
11N20MIMO\_Ant1\_2462\_30~1000



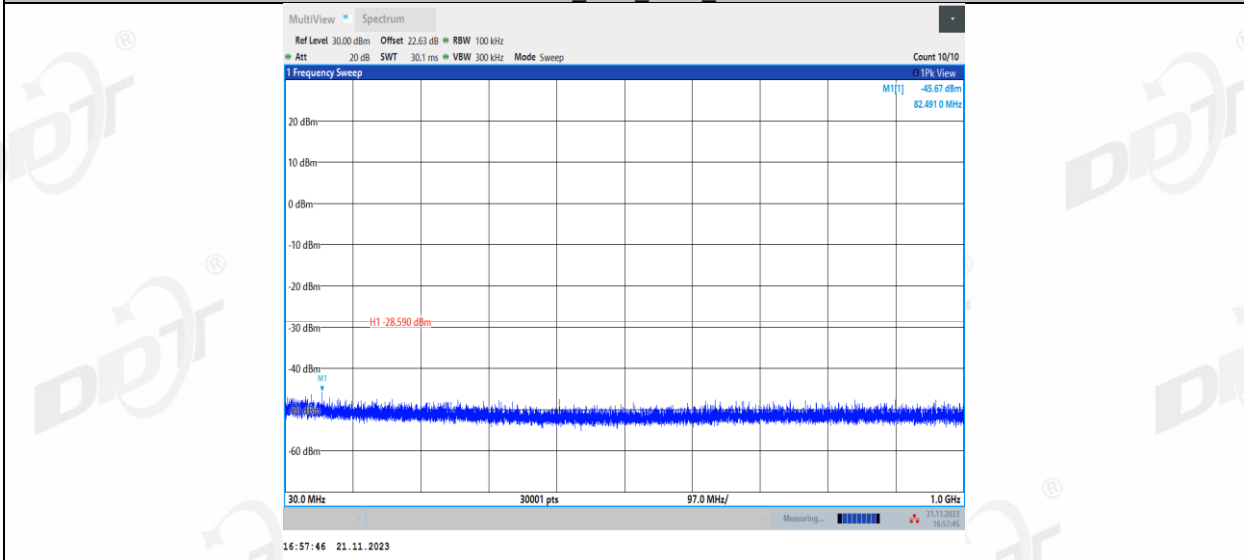
11N20MIMO\_Ant1\_2462\_1000~26500



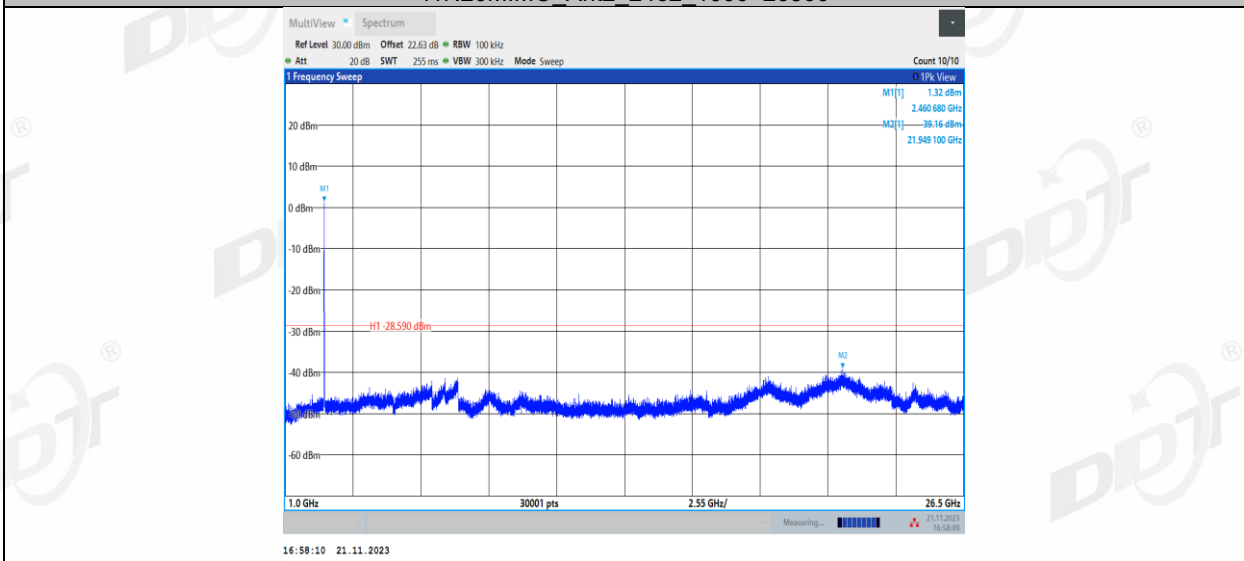
11N20MIMO\_Ant2\_2462\_0~Reference



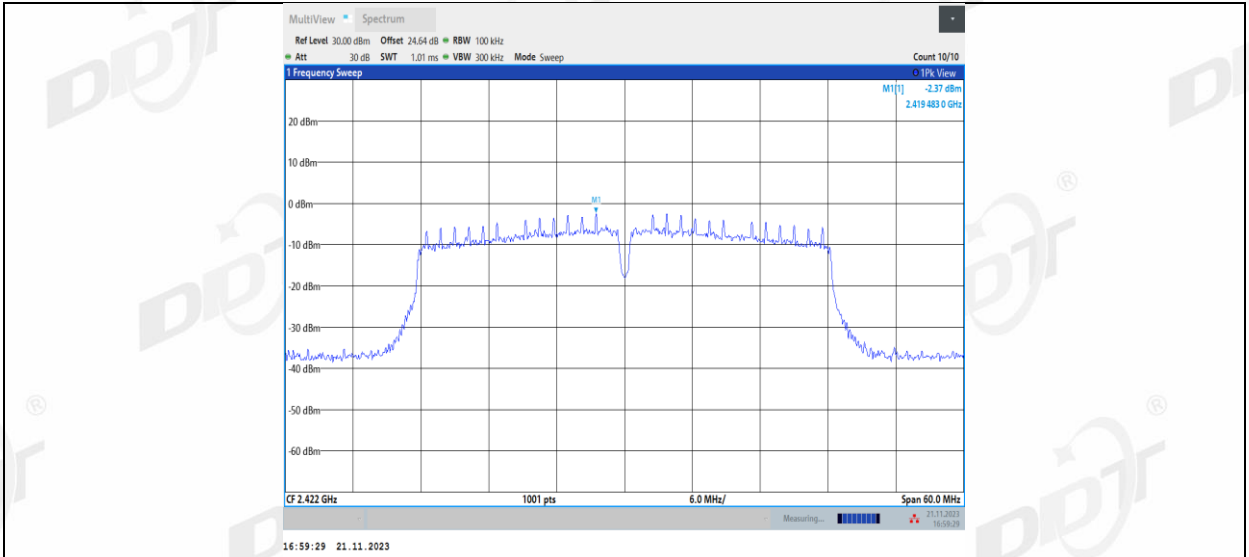
11N20MIMO\_Ant2\_2462\_30~1000



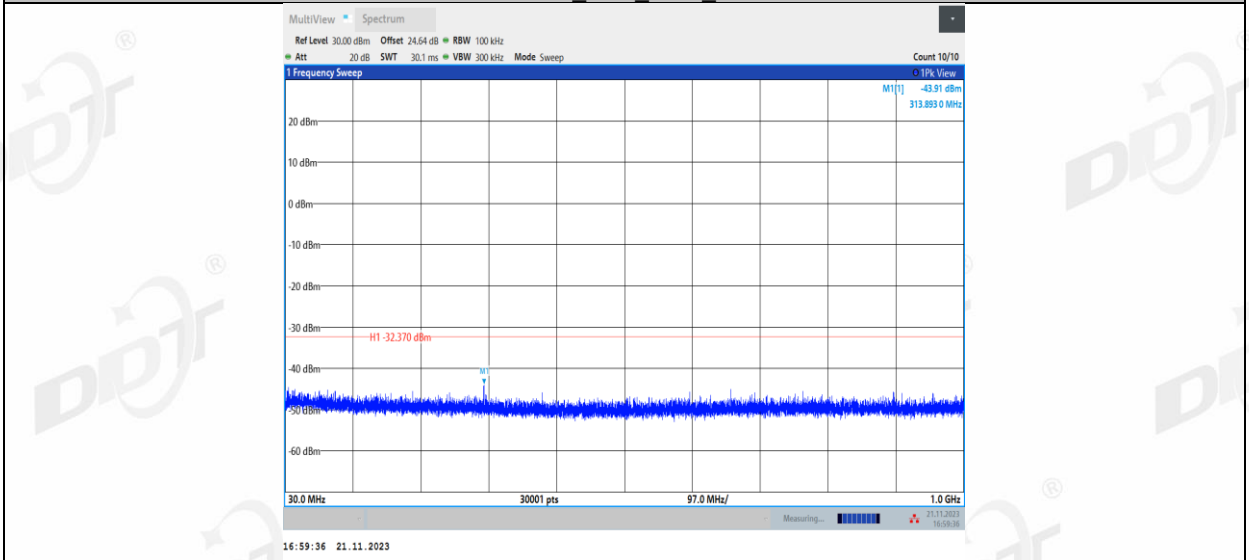
11N20MIMO\_Ant2\_2462\_1000~26500



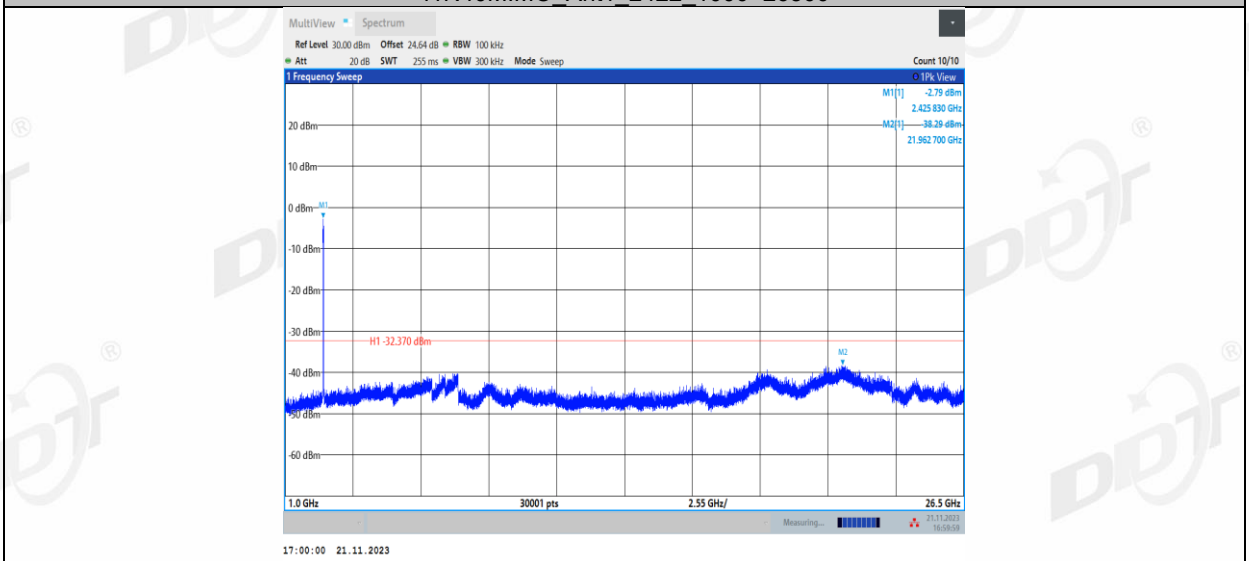
11N40MIMO\_Ant1\_2422\_0~Reference



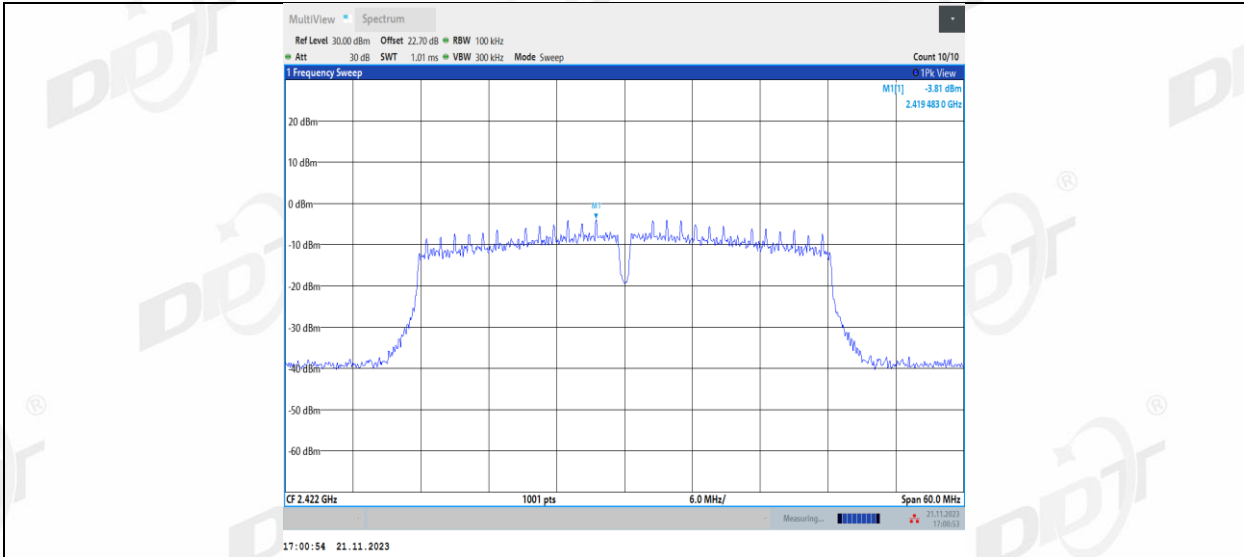
11N40MIMO\_Ant1\_2422\_30~1000



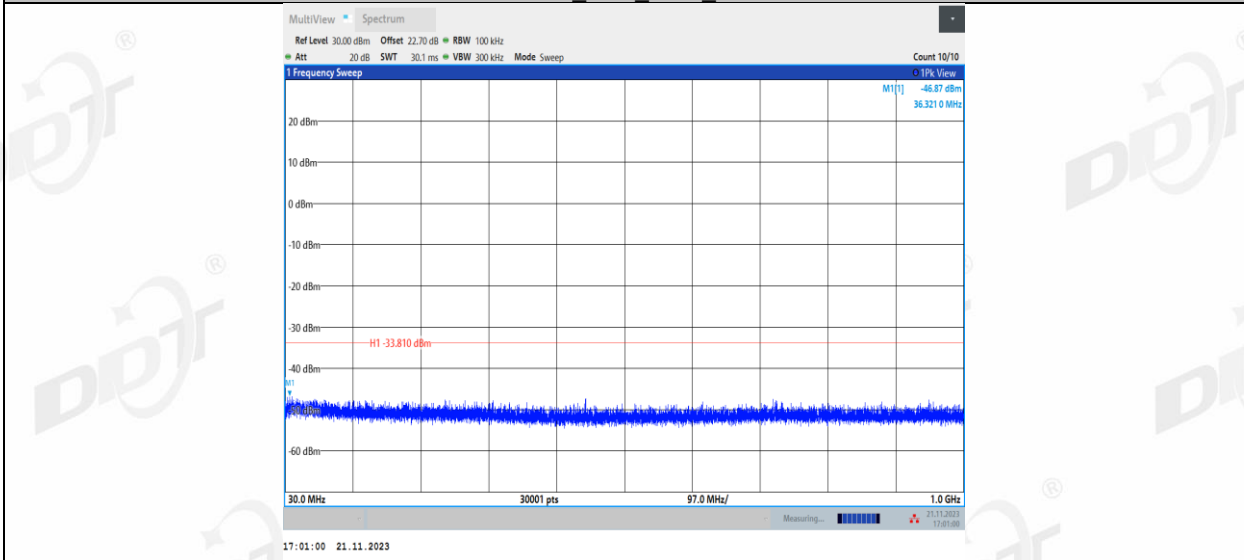
11N40MIMO\_Ant1\_2422\_1000~26500



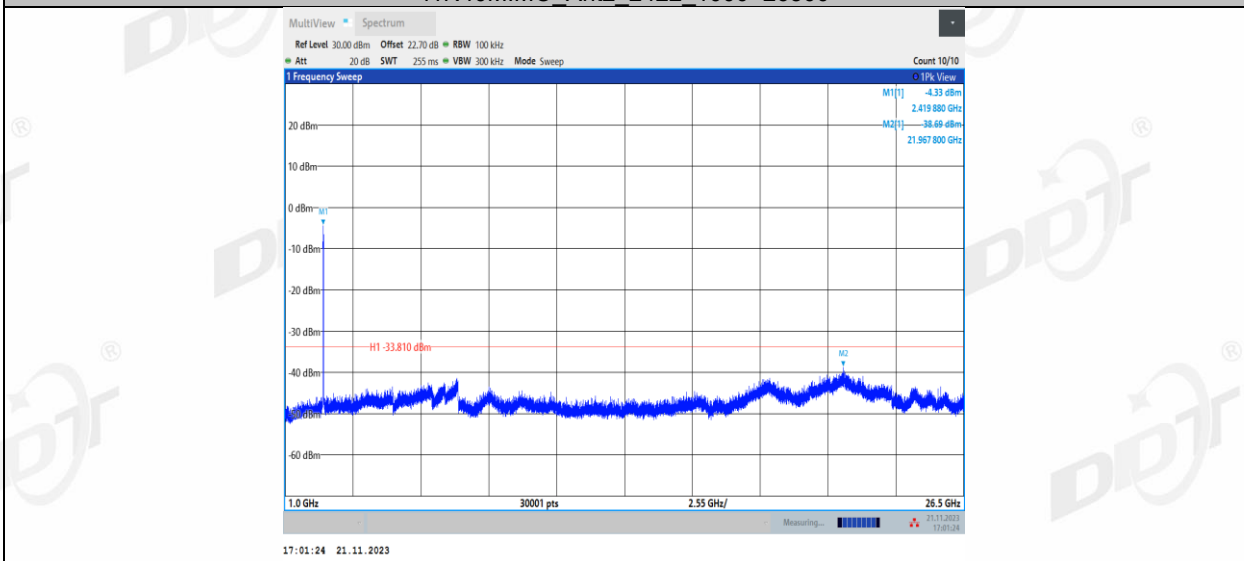
11N40MIMO\_Ant2\_2422\_0~Reference



11N40MIMO\_Ant2\_2422\_30~1000



11N40MIMO\_Ant2\_2422\_1000~26500



11N40MIMO\_Ant1\_2437\_0~Reference