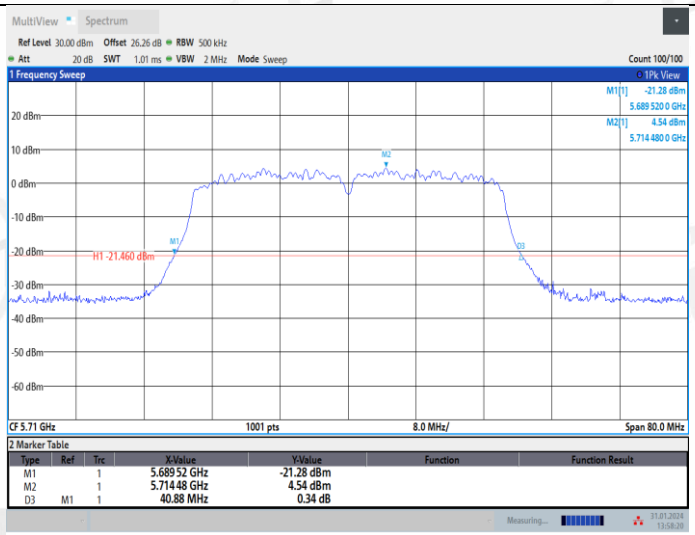
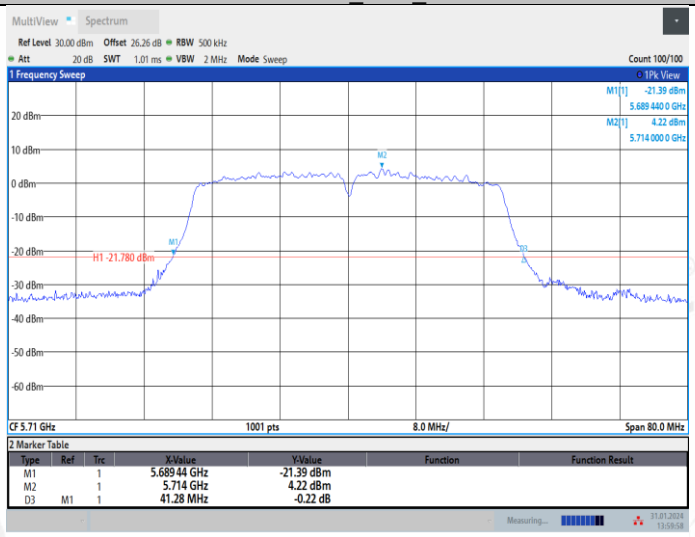


11N40MIMO_Ant2_5710



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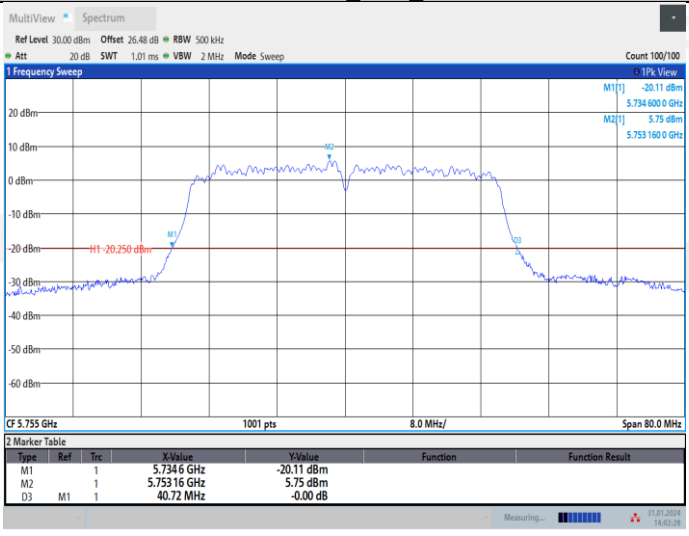

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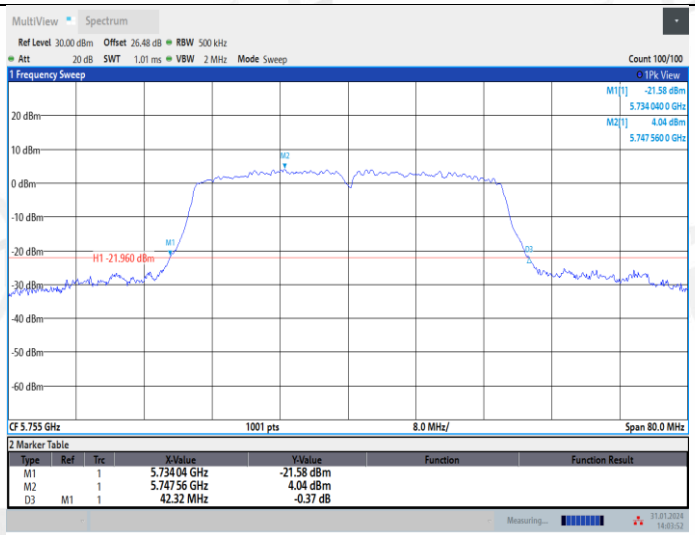

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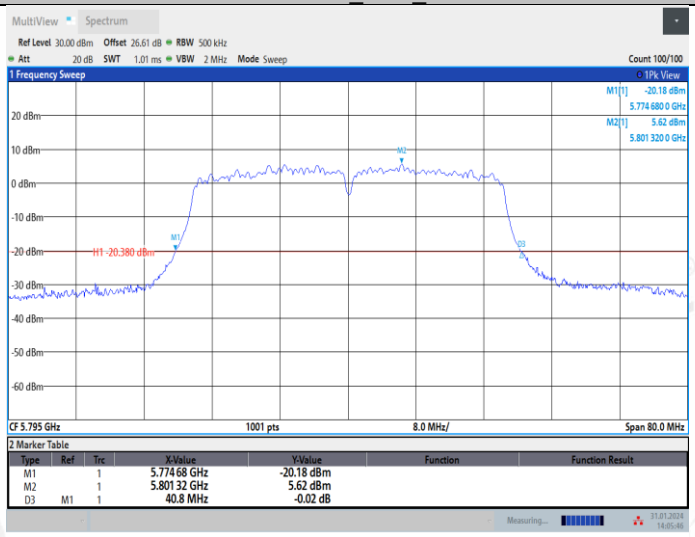

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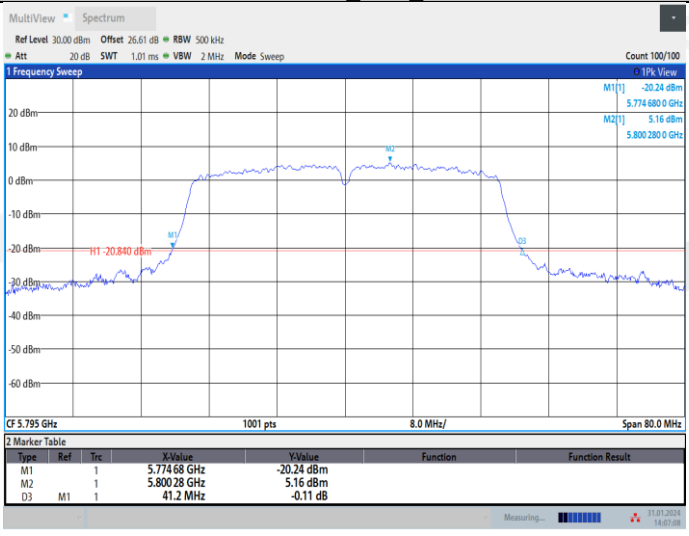

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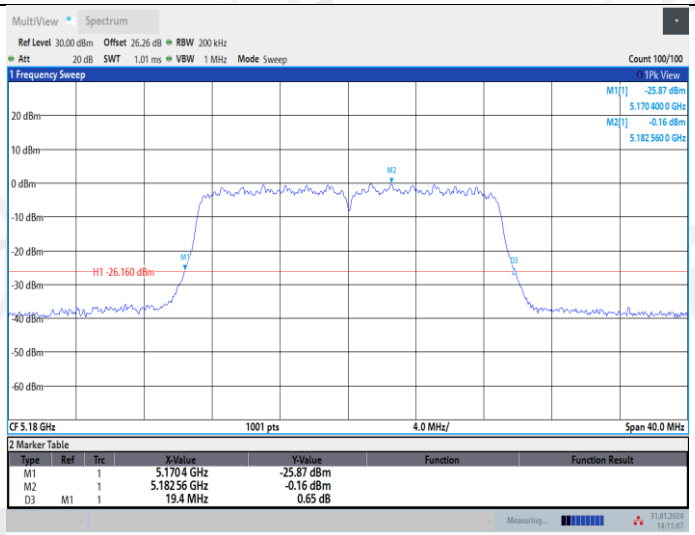

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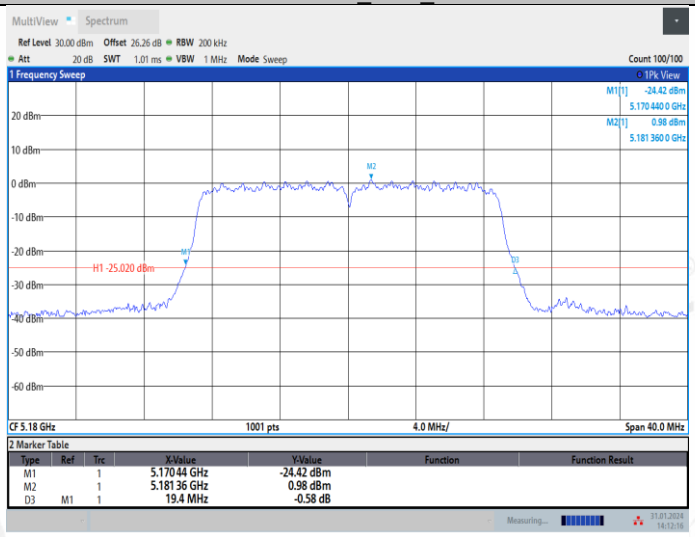

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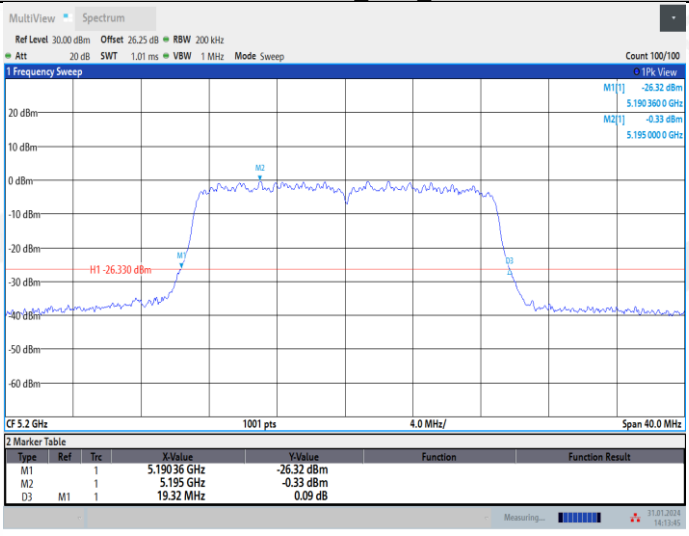

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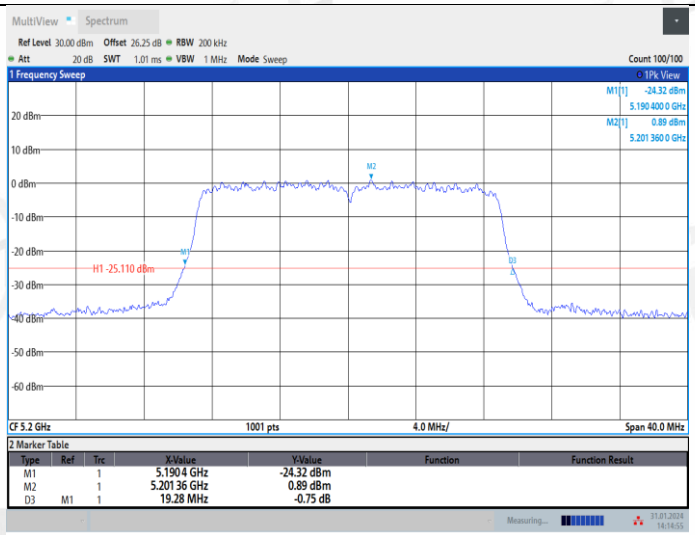

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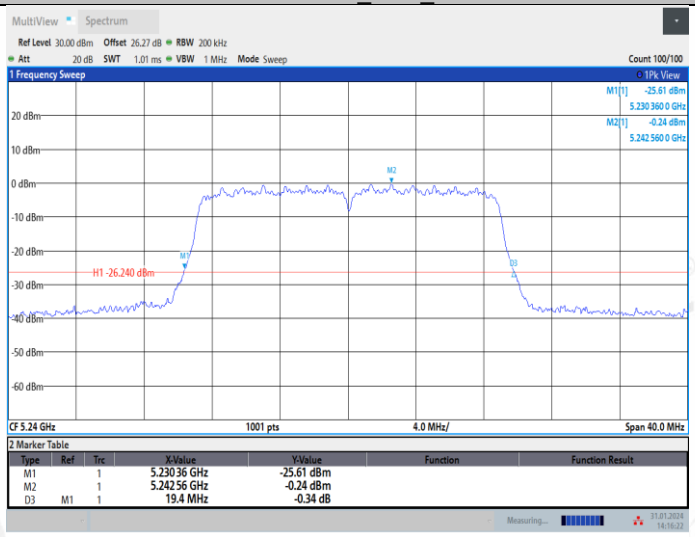

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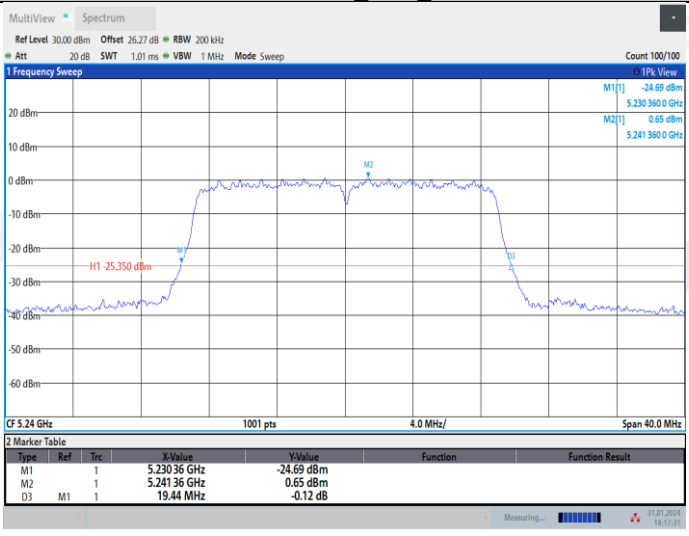

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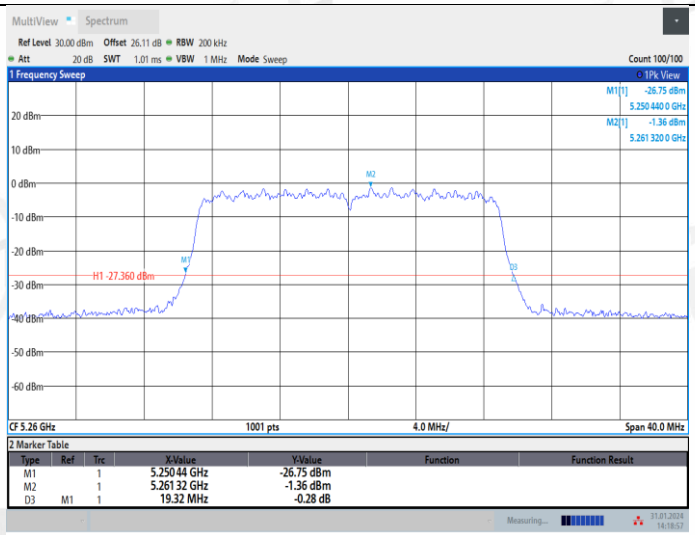

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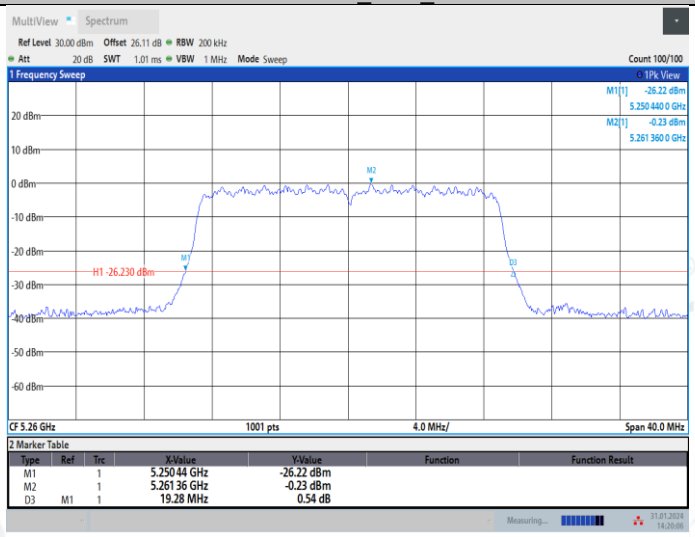

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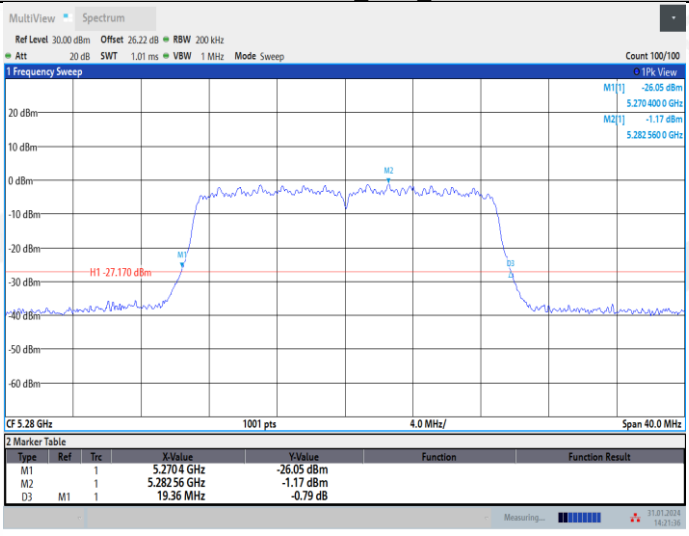

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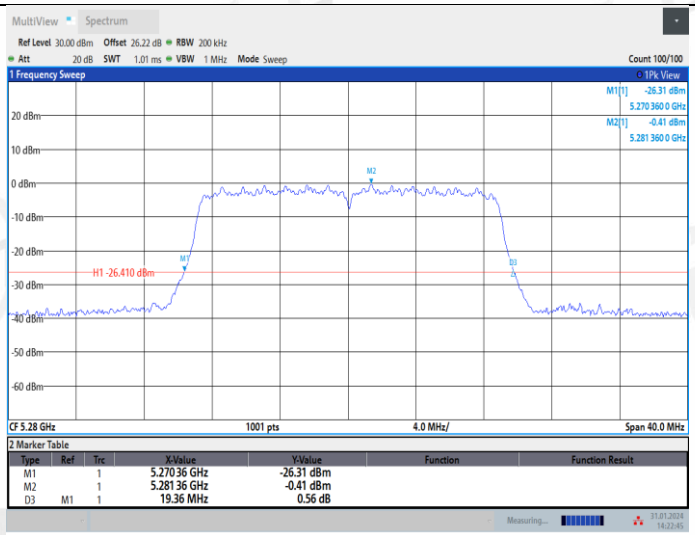

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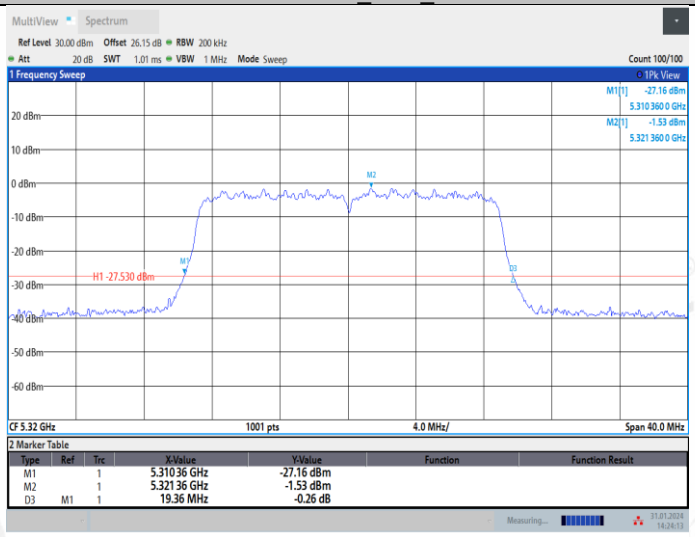

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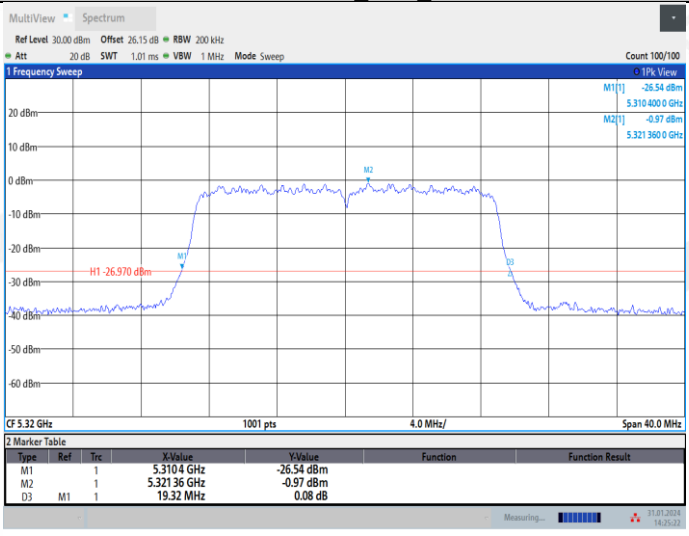

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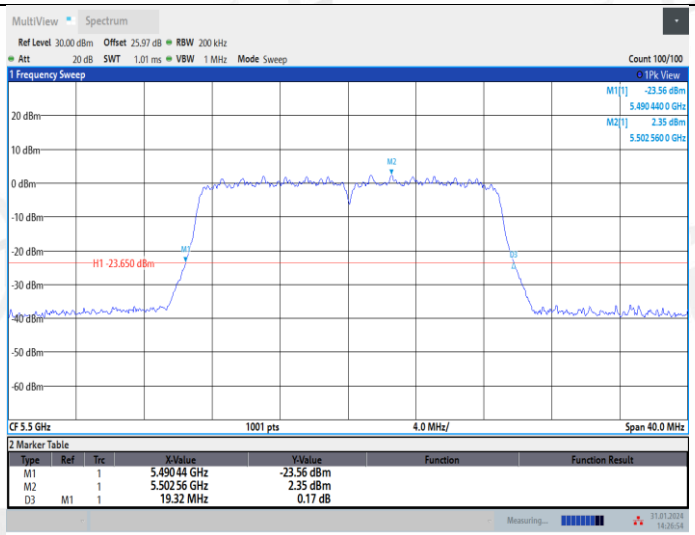

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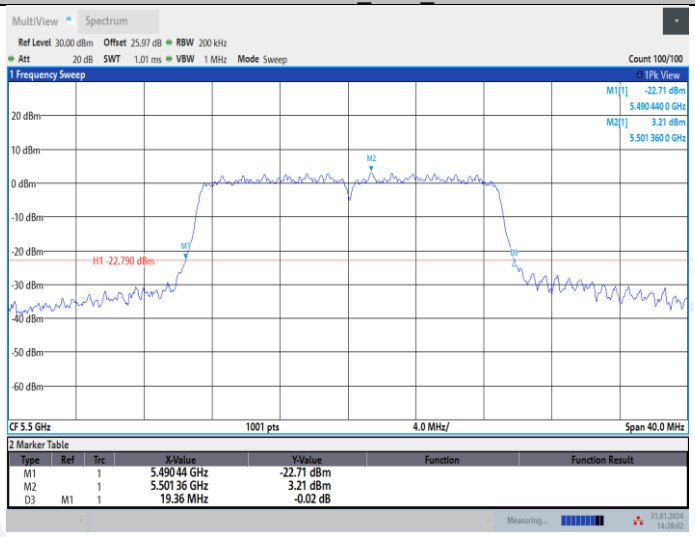

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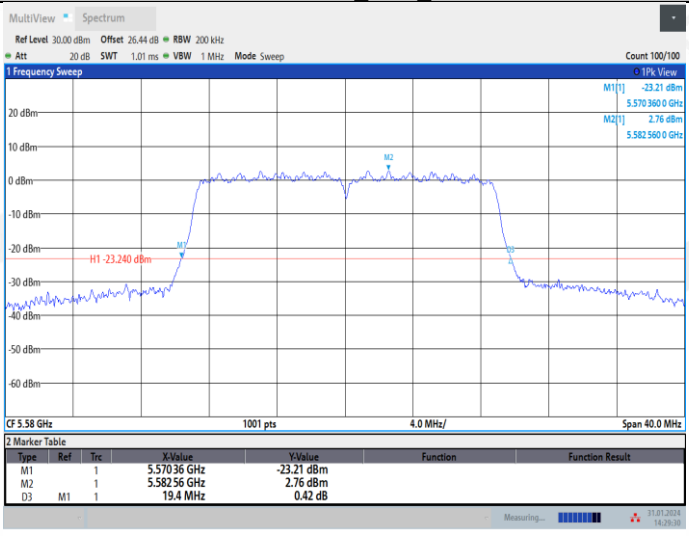

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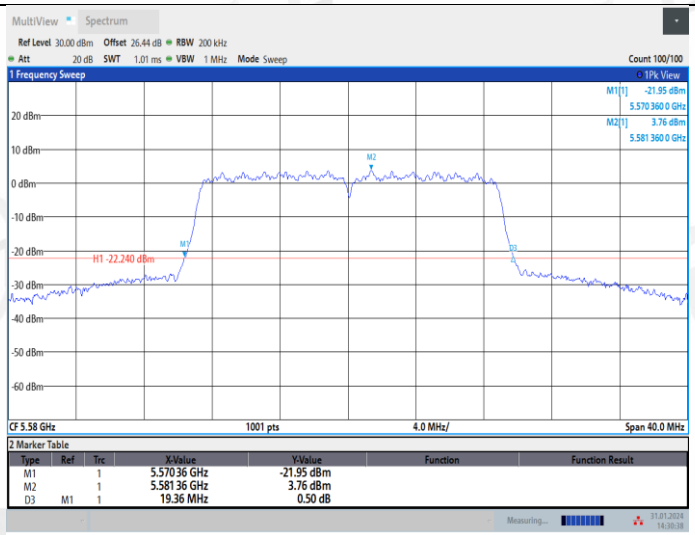

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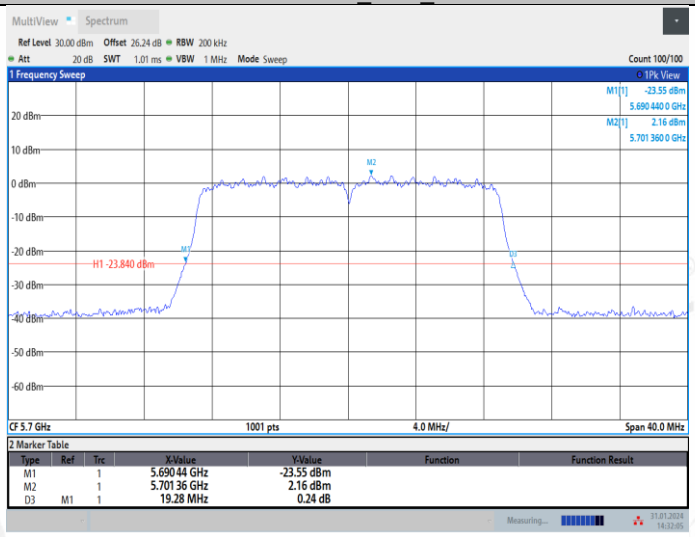

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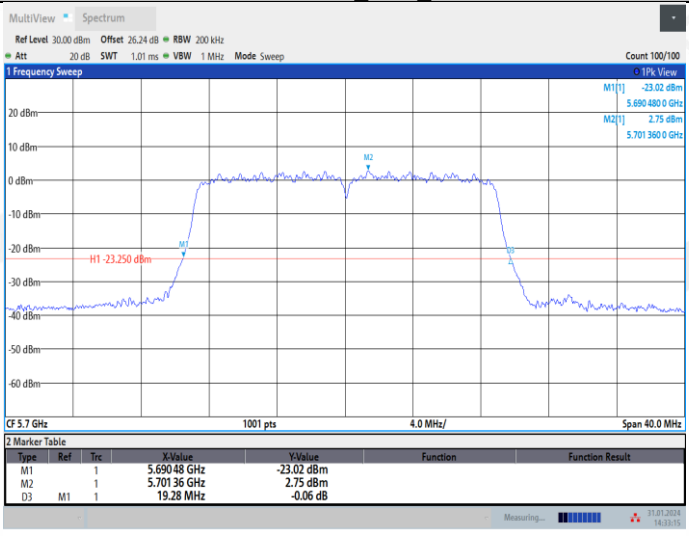

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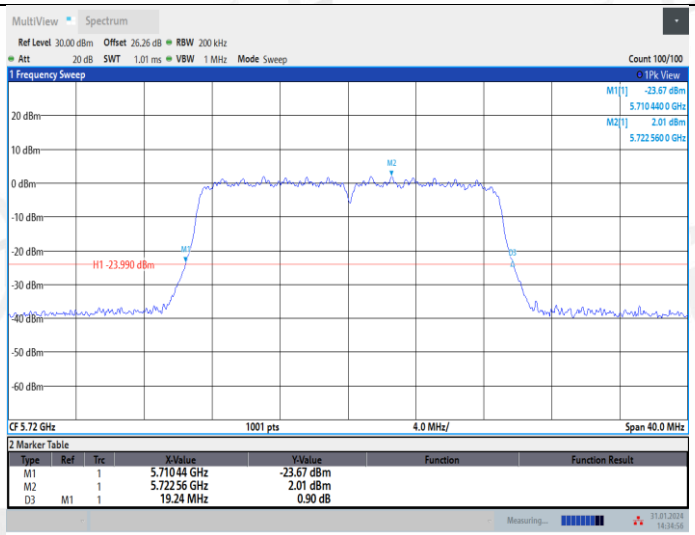

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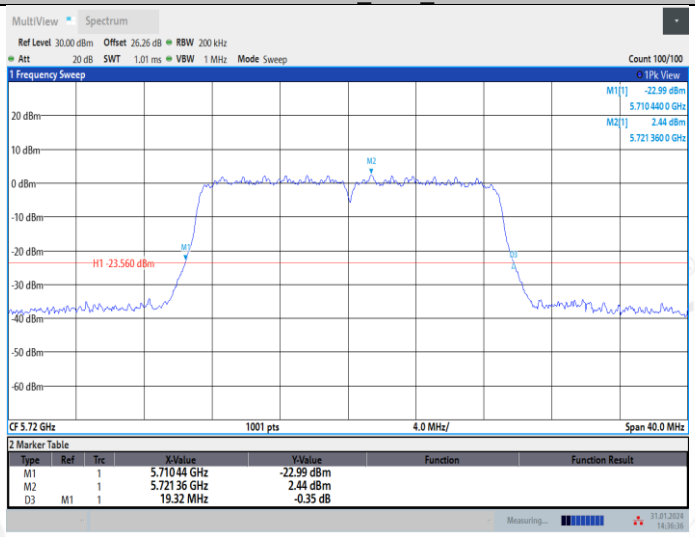

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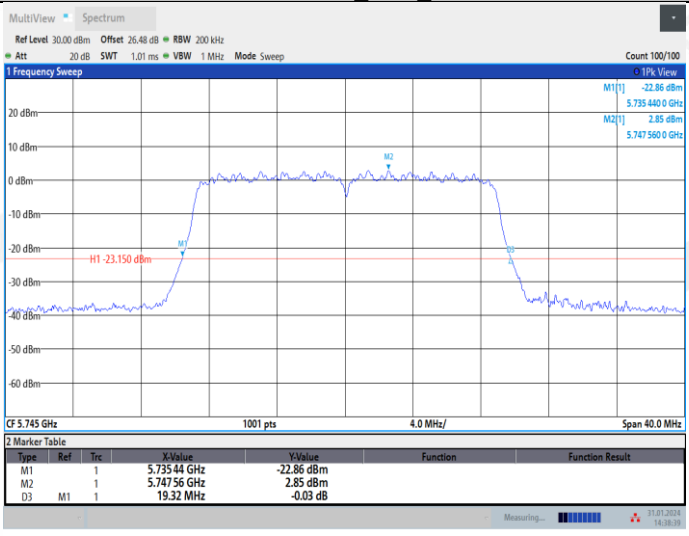

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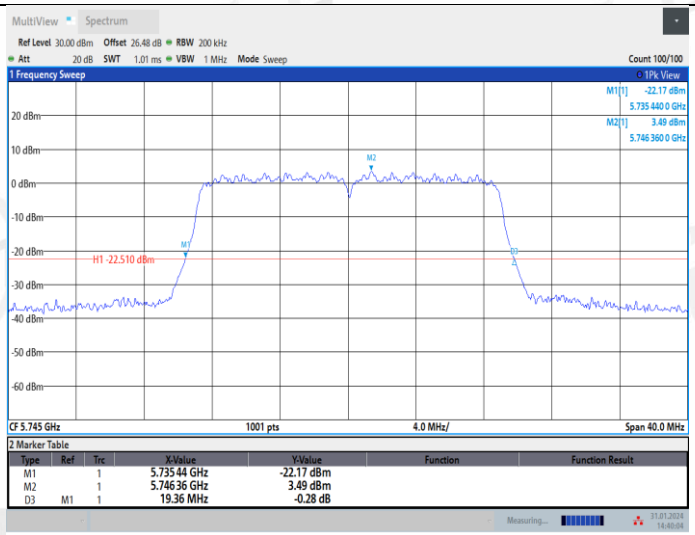

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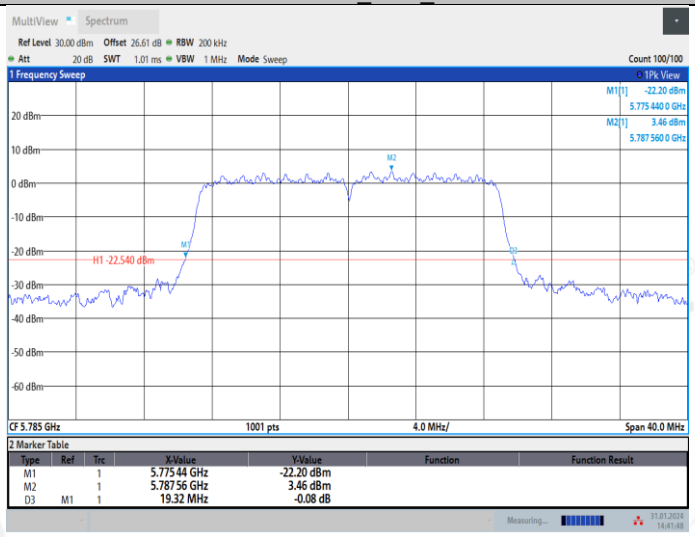

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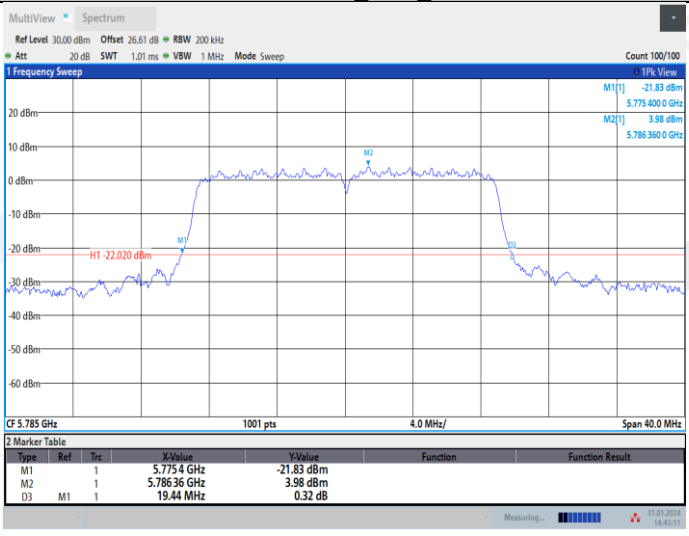

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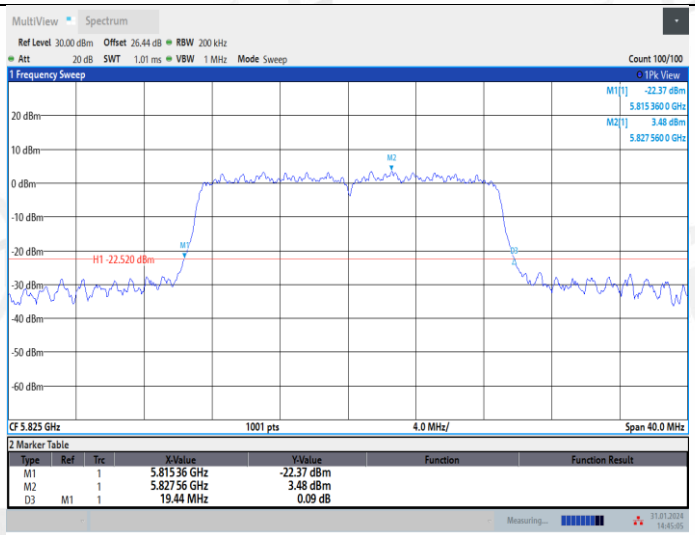

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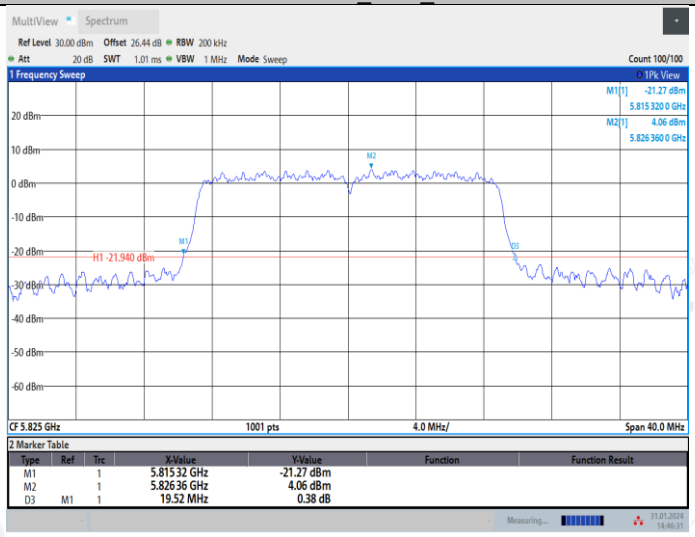

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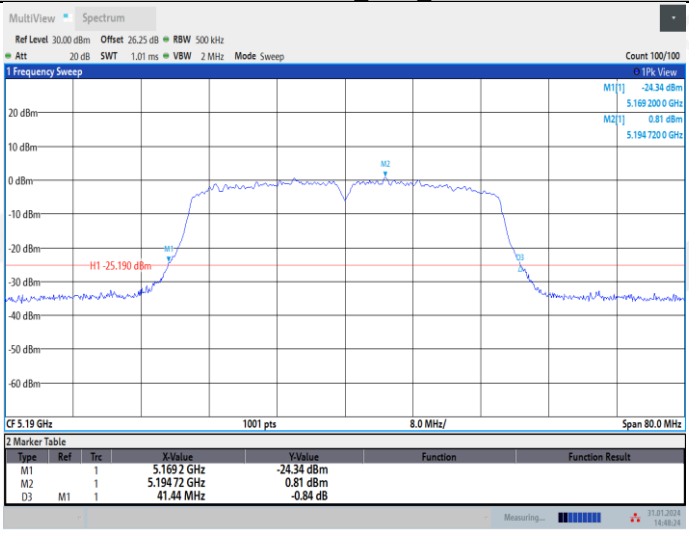

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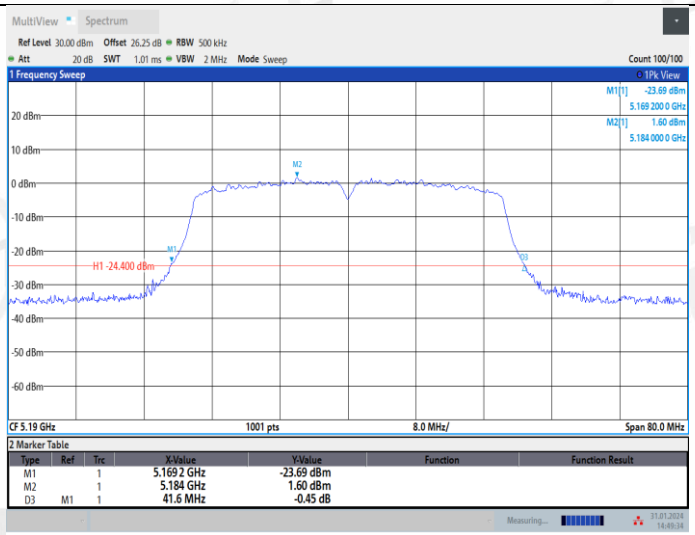

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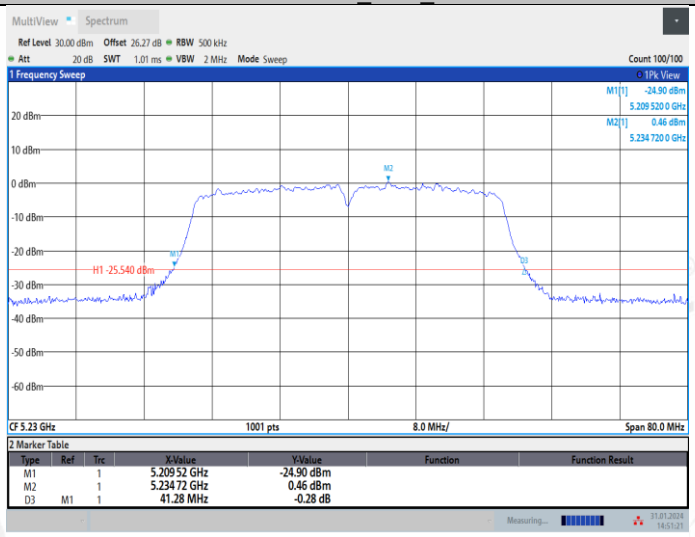

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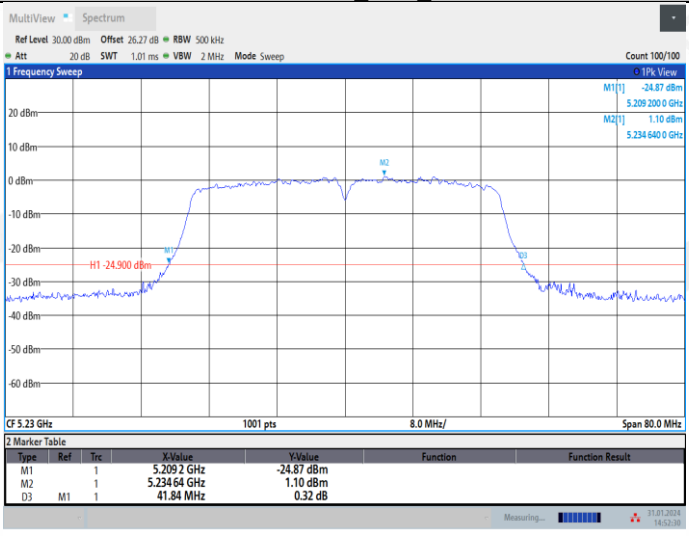

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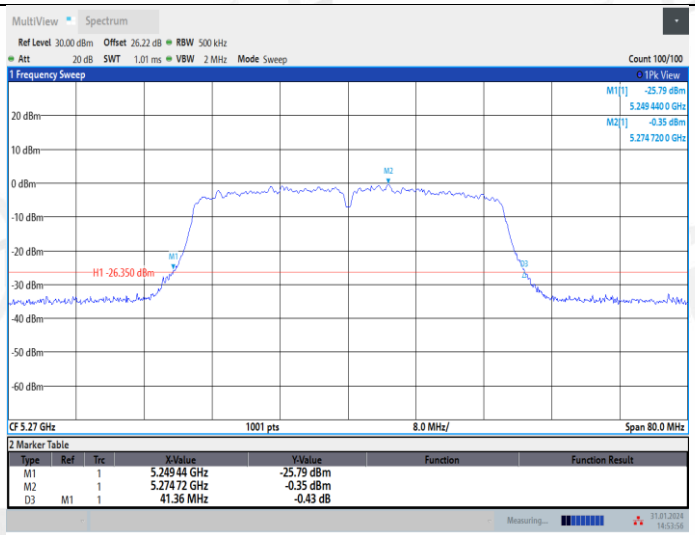

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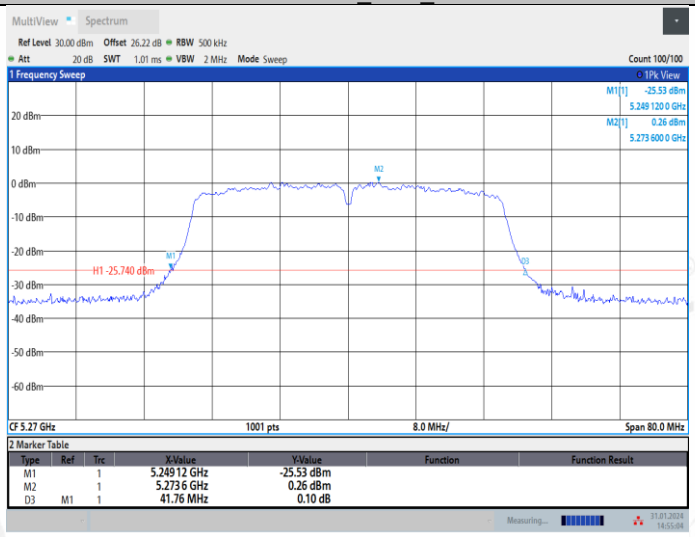

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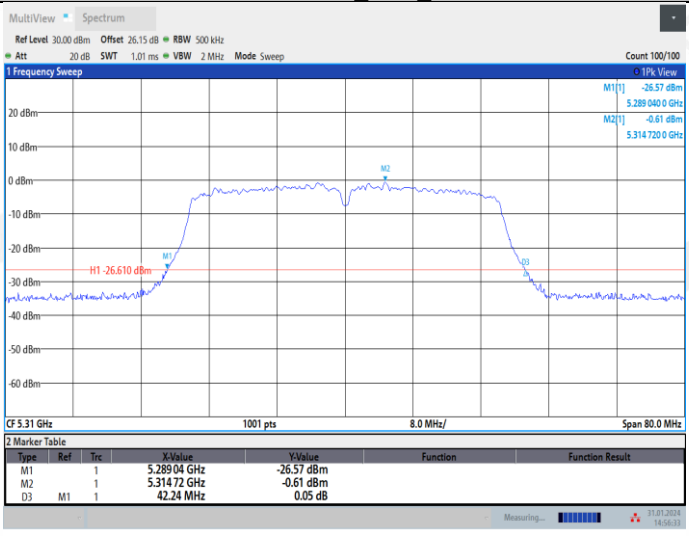

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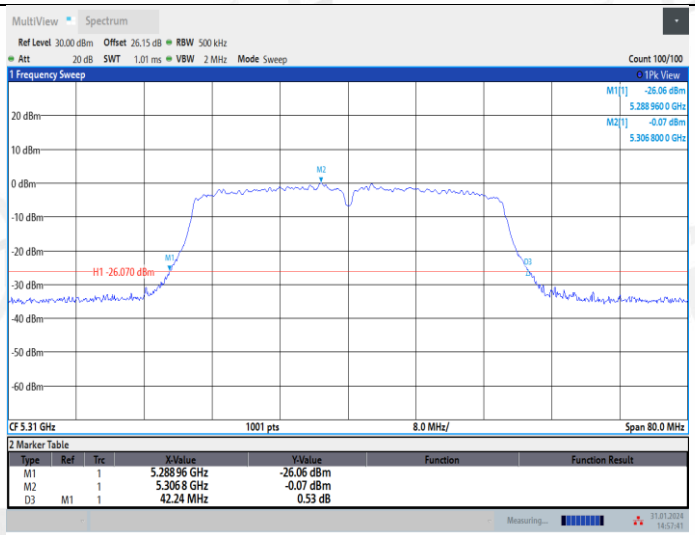

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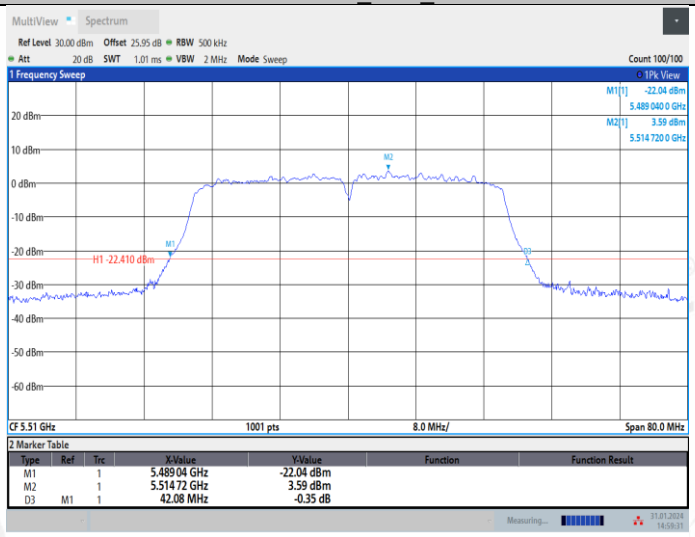

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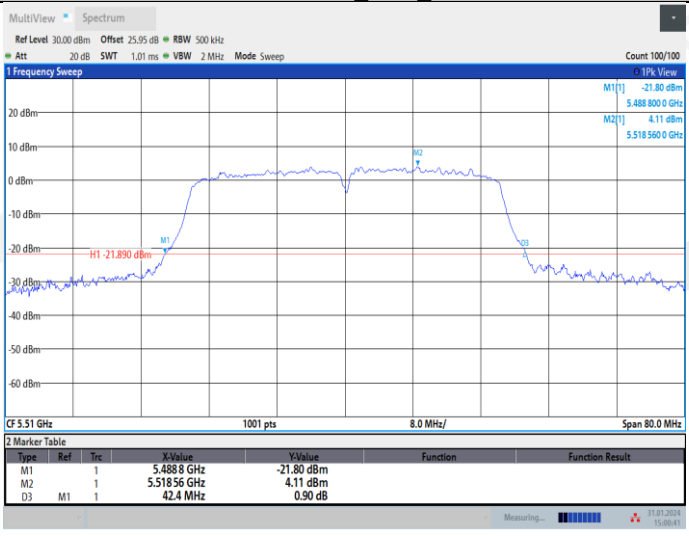

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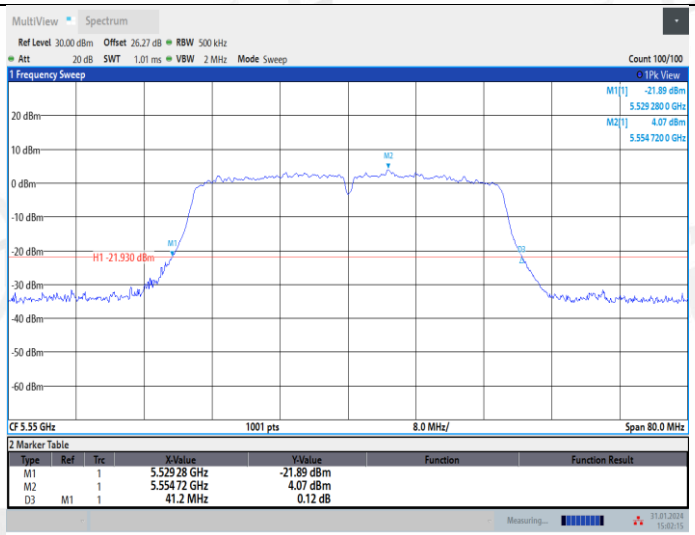

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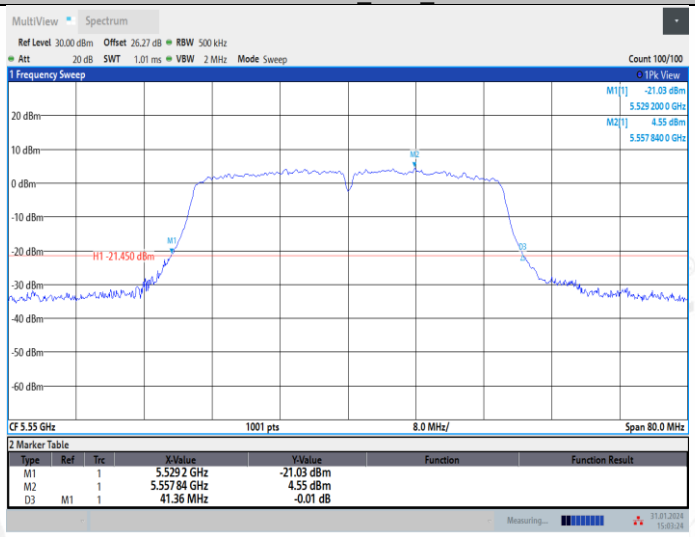

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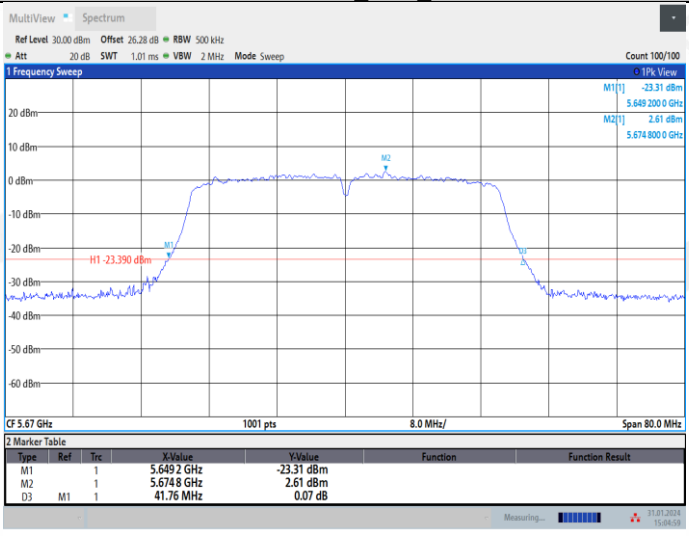

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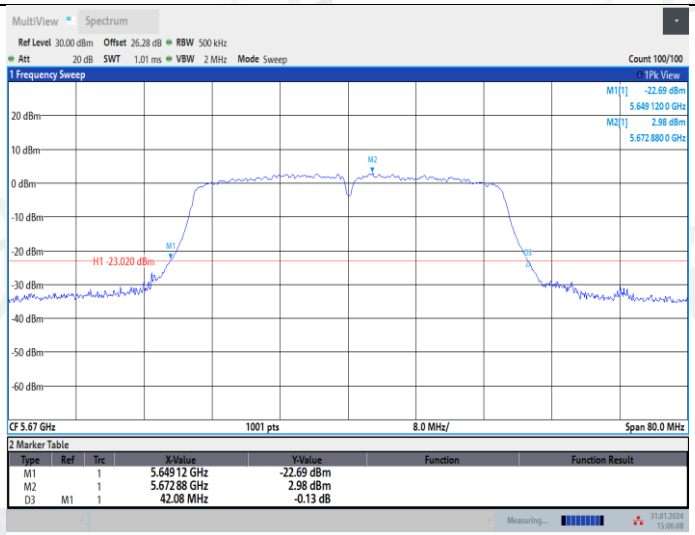

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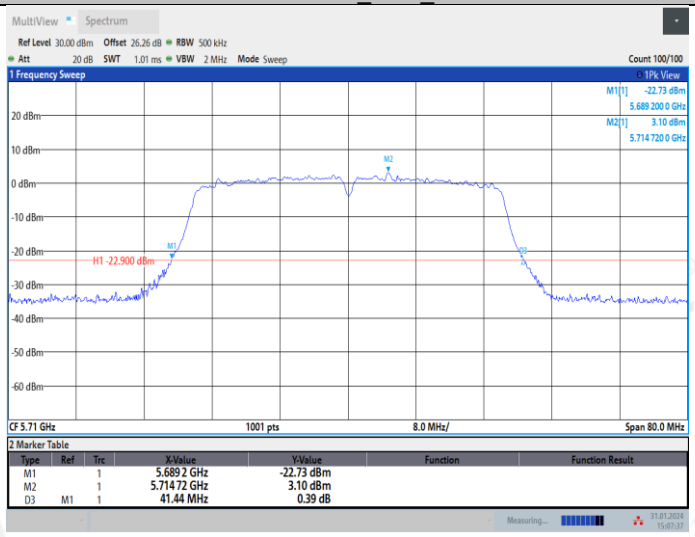

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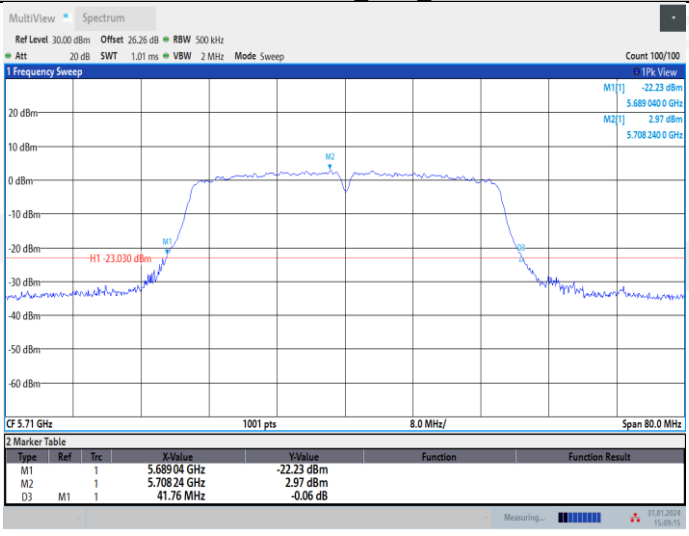

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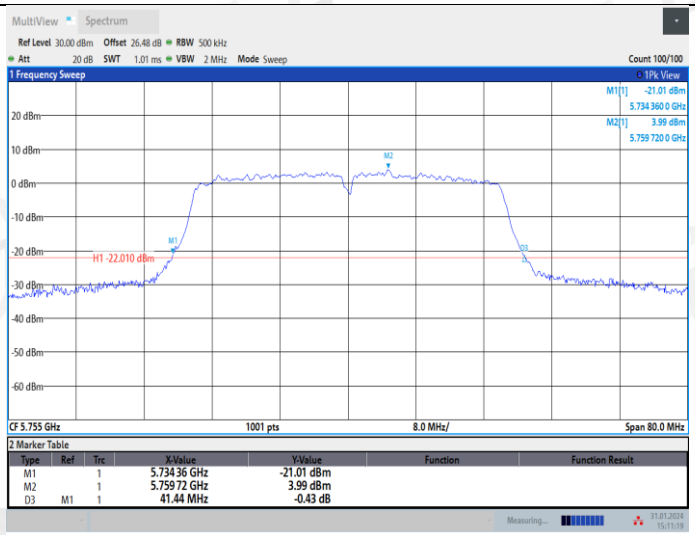

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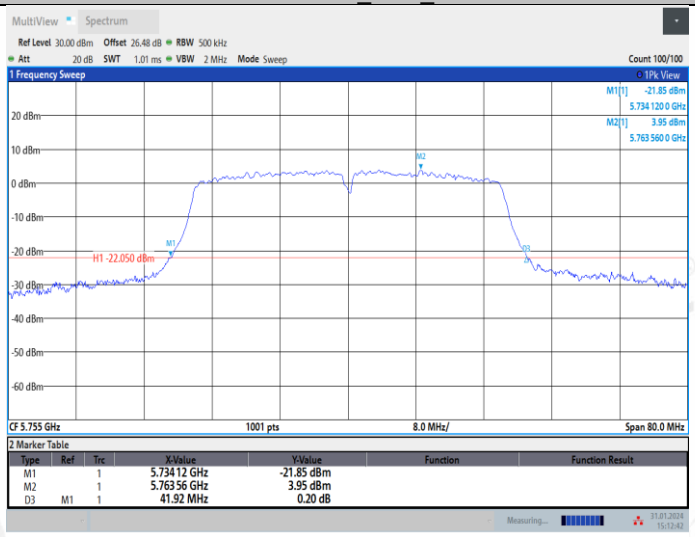

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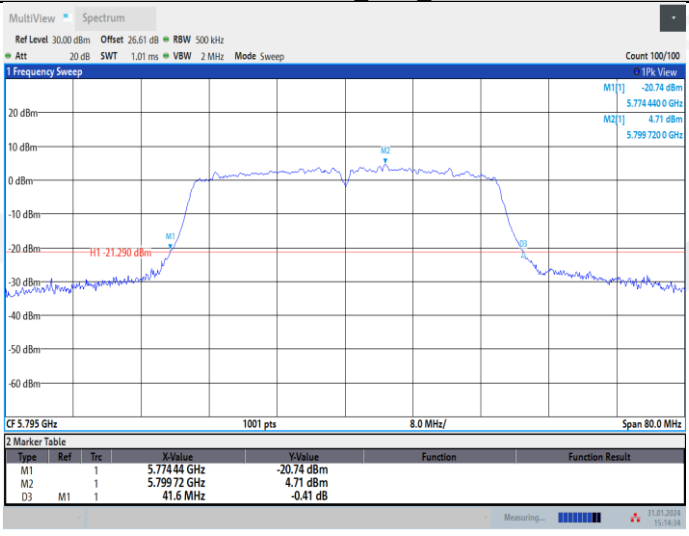

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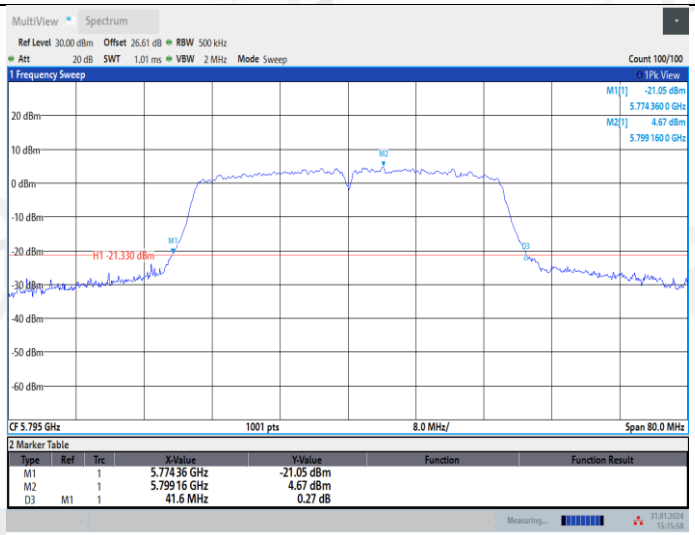

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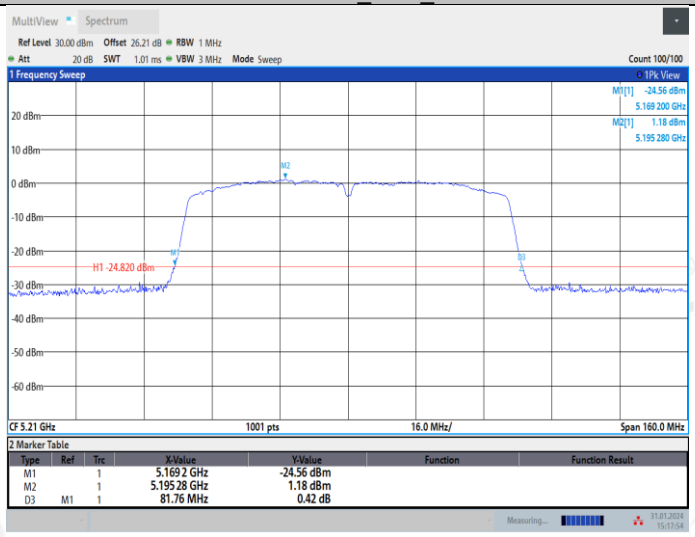

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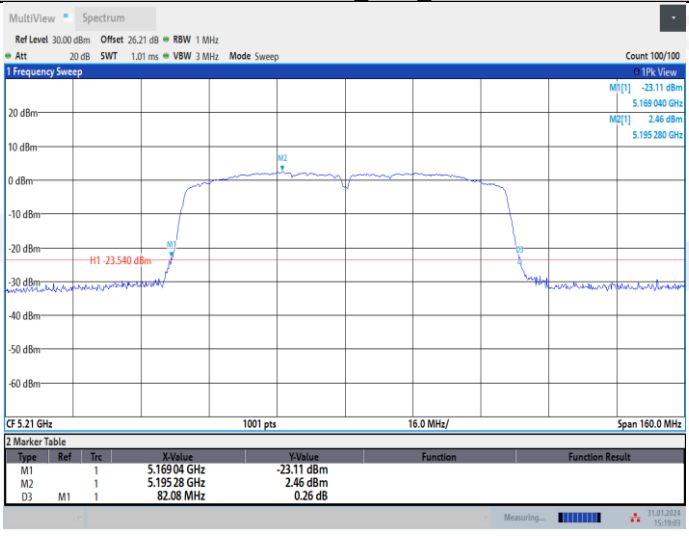

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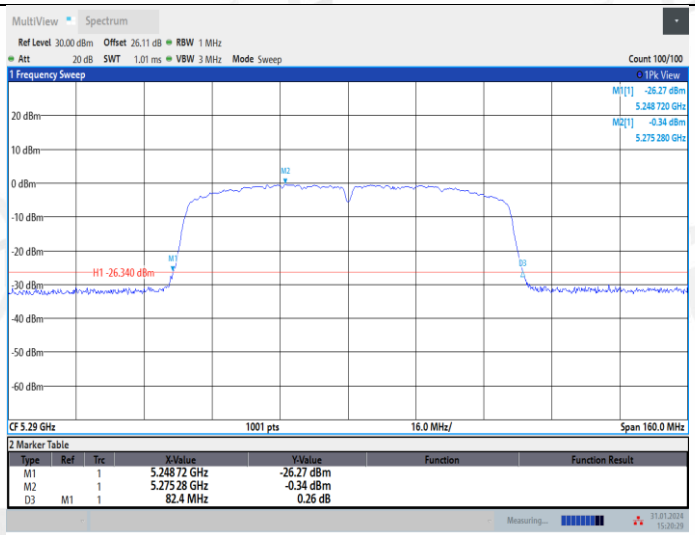

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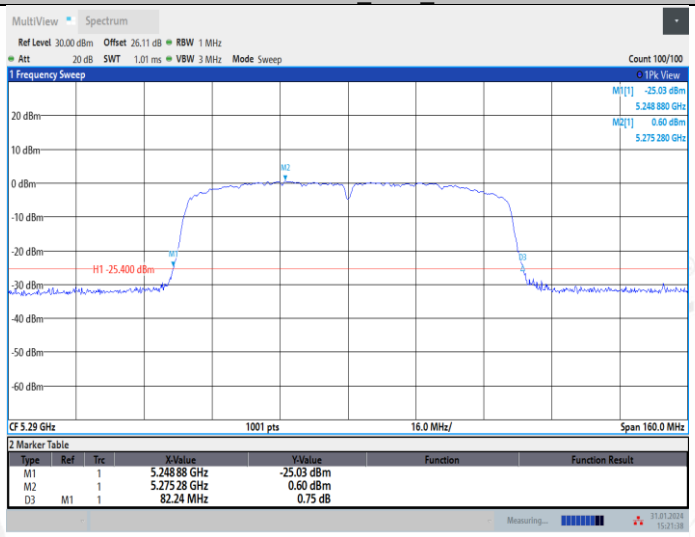

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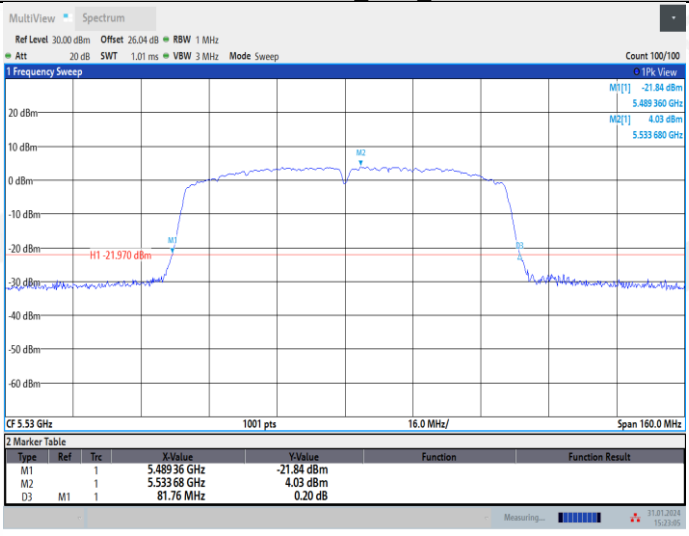

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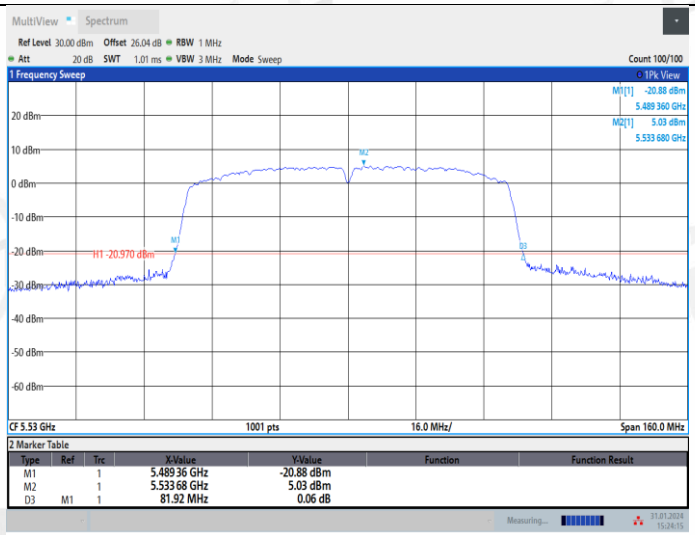

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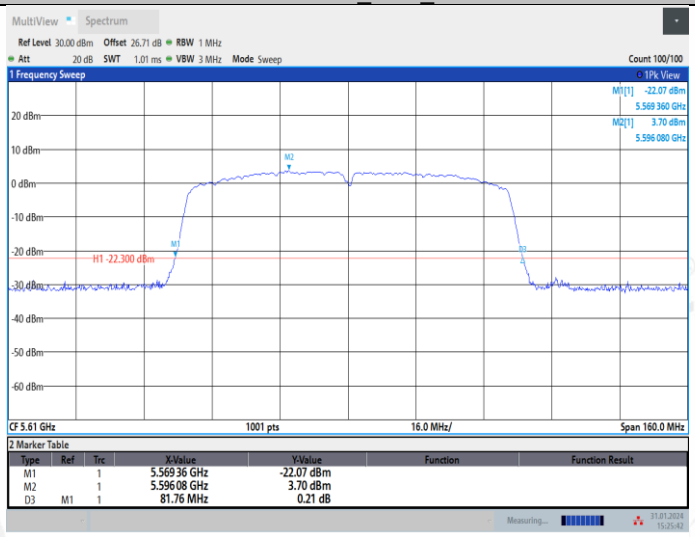
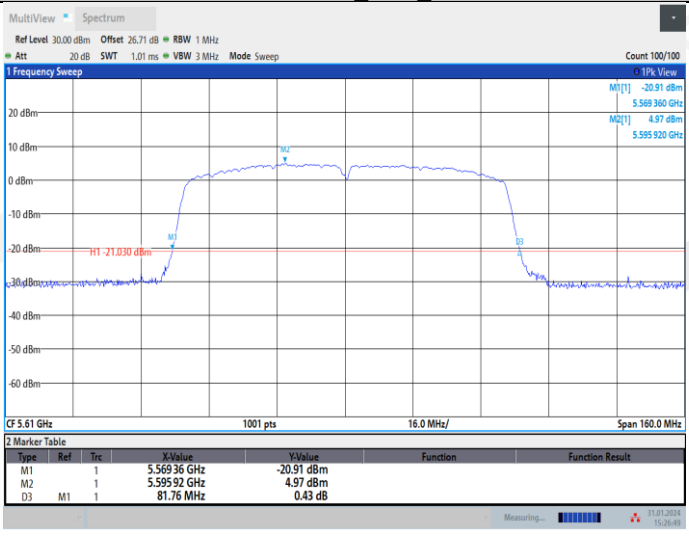


11AC80MIMO_Ant2_5610



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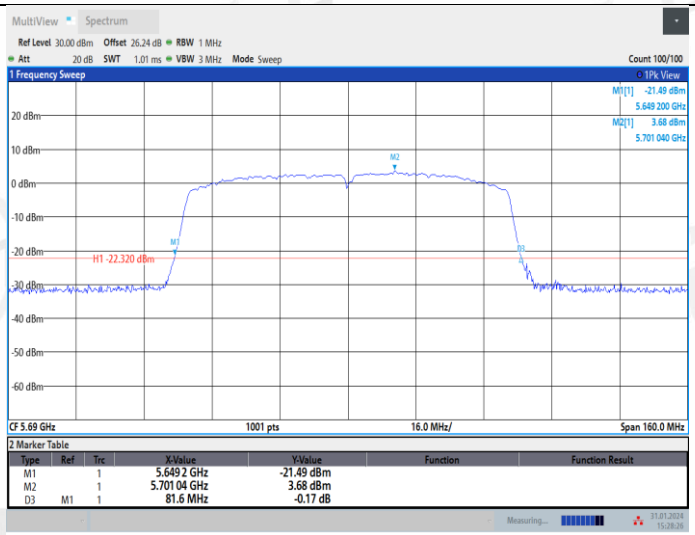

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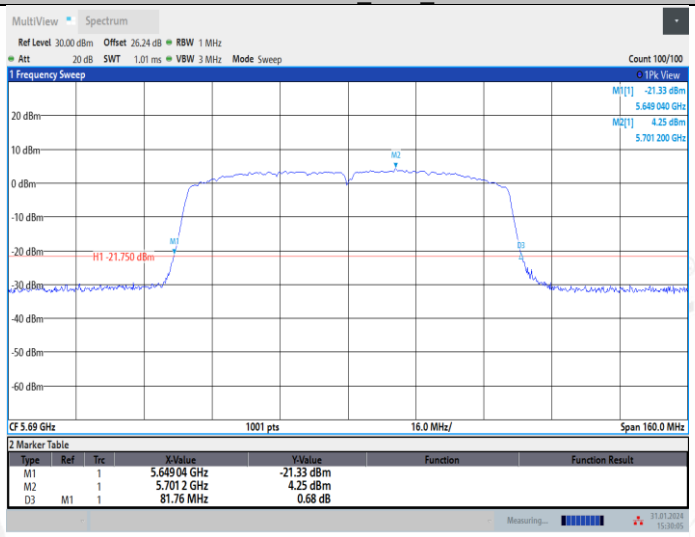

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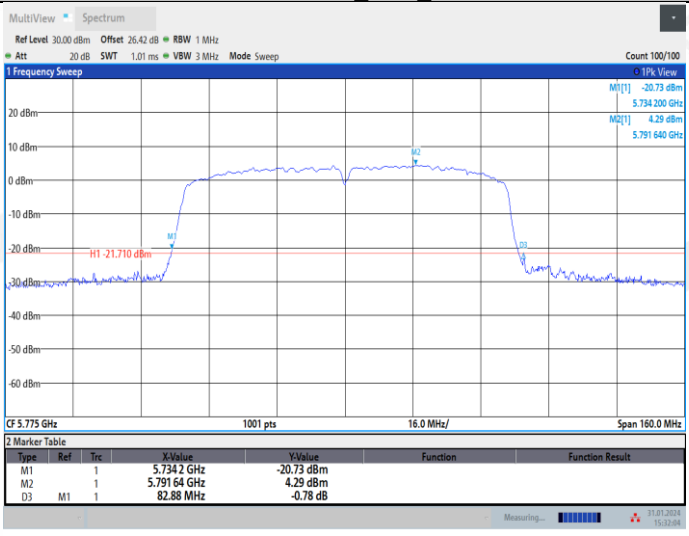
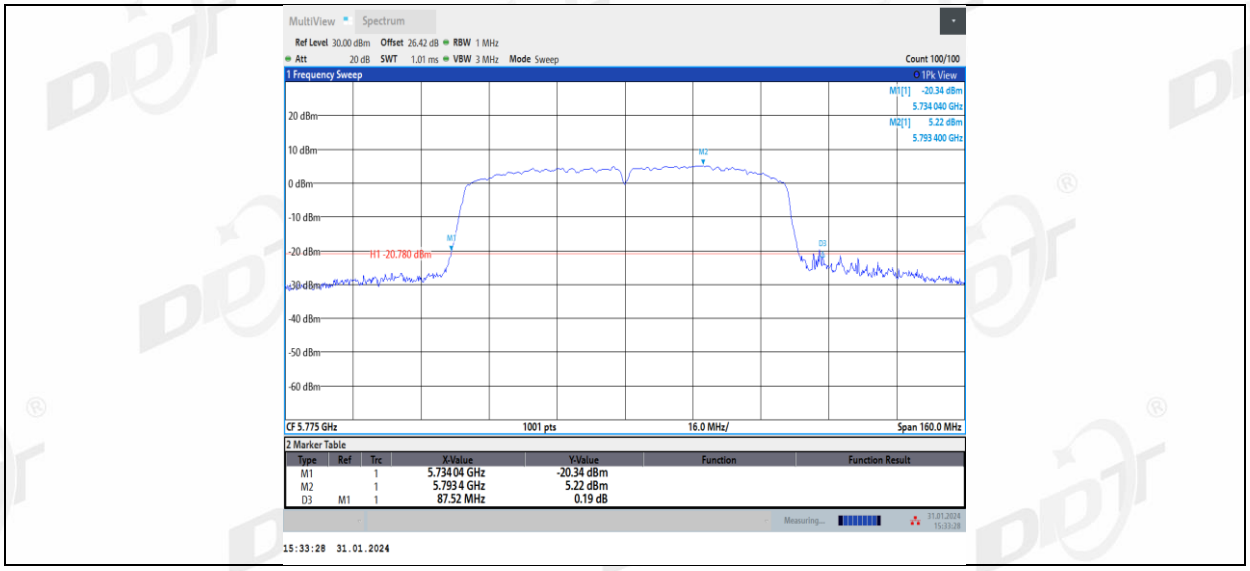
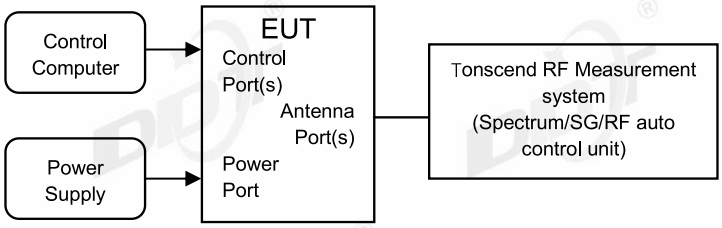


11AC80MIMO_Ant2_5775


MultiView
Spectrum
Ref Level 30.00 dBm Offset 26.42 dB RBW 1 MHz
Att 20 dB SWT 1.01 ms VBW 3 MHz Mode Sweep
Count 100/100
1 Frequency Sweep
1Pk View
M1[1] -20.34 dBm
5.734 040 GHz
M2[1] 5.22 dBm
5.793 400 GHz
20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm
-50 dBm
-60 dBm
H1 -20.780 dBm
CF 5.775 GHz
1001 pts
16.0 MHz/
Span 160.0 MHz
2 Marker Table
Type Ref Trc X-Value Y-Value Function Function Result
M1 1 5.734 04 GHz -20.34 dBm
M2 1 5.793 4 GHz 5.22 dBm
D3 M1 1 87.52 MHz 0.19 dB
Measuring...
15:33:28 31.01.2024

5. 6dB Bandwidth

5.1. Block diagram of test setup



5.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
6 dB Bandwidth	Minimum 500 kHz	5725 - 5850

5.3. Test procedure

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

Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	For 6 dB Bandwidth: RBW=100 kHz For 26 dB Bandwidth: approximately 1% of the emission bandwidth.
VBW	For 6 dB Bandwidth: VBW=300 kHz For 26 dB Bandwidth: >3 RBW
Trace	Max hold
Sweep	Auto couple

Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.4. Test result B4

Test Engineer:	Haofeng CHEN	Test Site:	RF Measurement System 4#
Ambient Condition:	23.6℃,51.2%RH	Test Date:	2024.01.22-2024.01.31
Test Power Supply:	DC 5V	EUT:	AIoT Edge Controller
Sample Number:	S23111537-05	Model No.:	MB41

Test Mode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.32	5736.84	5753.16	0.5	PASS
	Ant2	5745	16.32	5736.84	5753.16	0.5	PASS
	Ant1	5785	16.32	5776.84	5793.16	0.5	PASS
	Ant2	5785	16.32	5776.84	5793.16	0.5	PASS
	Ant1	5825	16.32	5816.84	5833.16	0.5	PASS
	Ant2	5825	16.32	5816.84	5833.16	0.5	PASS
11N20MIMO	Ant1	5745	17.52	5736.28	5753.80	0.5	PASS
	Ant2	5745	17.52	5736.28	5753.80	0.5	PASS
	Ant1	5785	16.96	5776.64	5793.60	0.5	PASS
	Ant2	5785	17.32	5776.52	5793.84	0.5	PASS
	Ant1	5825	17.56	5816.28	5833.84	0.5	PASS
	Ant2	5825	17.56	5816.28	5833.84	0.5	PASS
11N40MIMO	Ant1	5755	35.20	5737.48	5772.68	0.5	PASS
	Ant2	5755	35.20	5737.48	5772.68	0.5	PASS
	Ant1	5795	35.20	5777.48	5812.68	0.5	PASS
	Ant2	5795	35.20	5777.48	5812.68	0.5	PASS
11AC20MIMO	Ant1	5745	17.52	5736.28	5753.80	0.5	PASS
	Ant2	5745	17.56	5736.28	5753.84	0.5	PASS
	Ant1	5785	17.20	5776.64	5793.84	0.5	PASS
	Ant2	5785	17.32	5776.52	5793.84	0.5	PASS
	Ant1	5825	17.52	5816.28	5833.80	0.5	PASS
	Ant2	5825	17.56	5816.28	5833.84	0.5	PASS
11AC40MIMO	Ant1	5755	35.20	5737.48	5772.68	0.5	PASS
	Ant2	5755	35.20	5737.48	5772.68	0.5	PASS
	Ant1	5795	35.20	5777.48	5812.68	0.5	PASS
	Ant2	5795	35.12	5777.56	5812.68	0.5	PASS
11AC80MIMO	Ant1	5775	73.76	5738.84	5812.60	0.5	PASS
	Ant2	5775	75.04	5737.56	5812.60	0.5	PASS