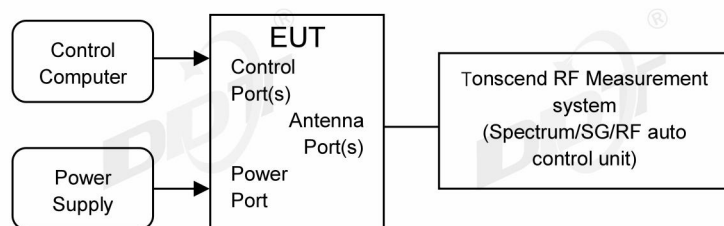


7. Duty Cycle

7.1. Block diagram of test setup



7.2. Limit

Just for Report.

7.3. Test procedure

- (1) Connected the EUT's antenna port to the Spectrum Analyzer by suitable attenuator, The cable loss and attenuator loss have been put into spectrum analyzer as amplitude offset. set the Spectrum Analyzer as below:

Centre Frequency: The centre frequency of the middle hopping channel.

Resolution BW: 10 MHz.

Video BW: 10 MHz.

Span: Zero span.

Detector: Peak.

Trace Mode: Clear Write.

Sweep: Video Trigger

- (2) When the trace is complete, measure the sending time of 1 burst and the duty cycle of 1 burst cycle.
- (3) Calculate dwell time follow below formula:
Duty cycle= Pulse's on time / Burst cycle

7.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	23.6℃,64%RH	Test Date:	2024.01.29-2024.02.21
Test Power Supply:	AC230V/50Hz	EUT:	Mercku M6s Nano Mesh Wi-Fi Router
Sample Number:	S23111605-01	Model No.:	MBAA0

Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11A	Ant1	5180	1.40	1.46	95.89
	Ant2	5180	1.41	1.47	95.92
	Ant1	5200	1.41	1.47	95.92
	Ant2	5200	1.40	1.46	95.89
	Ant1	5240	1.40	1.46	95.89
	Ant2	5240	1.40	1.46	95.89
	Ant1	5260	1.40	1.46	95.89
	Ant2	5260	1.41	1.47	95.92
	Ant1	5280	1.40	1.46	95.89
	Ant2	5280	1.40	1.46	95.89
	Ant1	5320	1.41	1.47	95.92
	Ant2	5320	1.40	1.46	95.89
	Ant1	5500	1.41	1.47	95.92
	Ant2	5500	1.40	1.46	95.89
	Ant1	5580	1.41	1.47	95.92
	Ant2	5580	1.40	1.46	95.89
	Ant1	5700	1.40	1.46	95.89
	Ant2	5700	1.41	1.47	95.92
	Ant1	5720	1.40	1.46	95.89
	Ant2	5720	1.41	1.47	95.92
	Ant1	5745	1.41	1.47	95.92
	Ant2	5745	1.40	1.46	95.89
	Ant1	5785	1.41	1.47	95.92
	Ant2	5785	1.40	1.46	95.89
	Ant1	5825	1.41	1.47	95.92
	Ant2	5825	1.40	1.46	95.89
11N20MIMO	Ant1	5180	0.68	0.74	91.89
	Ant2	5180	0.68	0.74	91.89
	Ant1	5200	0.68	0.74	91.89
	Ant2	5200	0.68	0.74	91.89
	Ant1	5240	0.68	0.74	91.89
	Ant2	5240	0.68	0.74	91.89
	Ant1	5260	0.68	0.74	91.89
	Ant2	5260	0.68	0.74	91.89
	Ant1	5280	0.68	0.74	91.89
	Ant2	5280	0.68	0.74	91.89
	Ant1	5320	0.68	0.74	91.89
	Ant2	5320	0.68	0.74	91.89
	Ant1	5500	0.68	0.73	93.15
	Ant2	5500	0.68	0.74	91.89
	Ant1	5580	0.68	0.74	91.89
	Ant2	5580	0.68	0.74	91.89
	Ant1	5700	0.68	0.74	91.89
	Ant2	5700	0.68	0.74	91.89
	Ant1	5720	0.68	0.74	91.89
	Ant2	5720	0.68	0.74	91.89
	Ant1	5745	0.68	0.74	91.89
	Ant2	5745	0.68	0.74	91.89
	Ant1	5785	0.68	0.74	91.89
	Ant2	5785	0.68	0.74	91.89
	Ant1	5825	0.68	0.74	91.89
	Ant2	5825	0.68	0.74	91.89
11N40MIMO	Ant1	5190	0.35	0.41	85.37
	Ant2	5190	0.35	0.41	85.37

	Ant1	5230	0.35	0.41	85.37
	Ant2	5230	0.35	0.41	85.37
	Ant1	5270	0.35	0.41	85.37
	Ant2	5270	0.35	0.41	85.37
	Ant1	5310	0.35	0.41	85.37
	Ant2	5310	0.35	0.41	85.37
	Ant1	5510	0.35	0.41	85.37
	Ant2	5510	0.35	0.41	85.37
	Ant1	5550	0.35	0.41	85.37
	Ant2	5550	0.35	0.41	85.37
	Ant1	5670	0.35	0.41	85.37
	Ant2	5670	0.35	0.41	85.37
	Ant1	5710	0.35	0.41	85.37
	Ant2	5710	0.35	0.41	85.37
	Ant1	5755	0.35	0.41	85.37
	Ant2	5755	0.35	0.41	85.37
	Ant1	5795	0.35	0.41	85.37
	Ant2	5795	0.35	0.41	85.37
11AC20MIMO	Ant1	5180	0.48	0.54	88.89
	Ant2	5180	0.48	0.54	88.89
	Ant1	5200	0.48	0.54	88.89
	Ant2	5200	0.49	0.54	90.74
	Ant1	5240	0.48	0.54	88.89
	Ant2	5240	0.48	0.54	88.89
	Ant1	5260	0.48	0.54	88.89
	Ant2	5260	0.48	0.54	88.89
	Ant1	5280	0.49	0.54	90.74
	Ant2	5280	0.49	0.54	90.74
	Ant1	5320	0.48	0.54	88.89
	Ant2	5320	0.49	0.54	90.74
	Ant1	5500	0.48	0.54	88.89
	Ant2	5500	0.49	0.54	90.74
	Ant1	5580	0.48	0.54	88.89
	Ant2	5580	0.49	0.55	89.09
	Ant1	5700	0.48	0.54	88.89
	Ant2	5700	0.48	0.54	88.89
	Ant1	5720	0.49	0.54	90.74
	Ant2	5720	0.48	0.54	88.89
	Ant1	5745	0.48	0.54	88.89
	Ant2	5745	0.48	0.54	88.89
	Ant1	5785	0.48	0.54	88.89
	Ant2	5785	0.49	0.54	90.74
	Ant1	5825	0.48	0.54	88.89
	Ant2	5825	0.48	0.54	88.89
11AC40MIMO	Ant1	5190	0.26	0.32	81.25
	Ant2	5190	0.26	0.32	81.25
	Ant1	5230	0.26	0.32	81.25
	Ant2	5230	0.26	0.32	81.25
	Ant1	5270	0.26	0.32	81.25
	Ant2	5270	0.26	0.32	81.25
	Ant1	5310	0.26	0.32	81.25
	Ant2	5310	0.26	0.32	81.25
	Ant1	5510	0.26	0.32	81.25
	Ant2	5510	0.26	0.32	81.25
	Ant1	5550	0.26	0.32	81.25
	Ant2	5550	0.26	0.32	81.25
	Ant1	5670	0.26	0.32	81.25
	Ant2	5670	0.26	0.32	81.25
	Ant1	5710	0.26	0.32	81.25
	Ant2	5710	0.26	0.32	81.25
	Ant1	5755	0.26	0.32	81.25
	Ant2	5755	0.26	0.32	81.25
	Ant1	5795	0.26	0.32	81.25
	Ant2	5795	0.26	0.32	81.25

11AC80MIMO	Ant1	5210	0.14	0.20	70.00
	Ant2	5210	0.14	0.20	70.00
	Ant1	5290	0.15	0.21	71.43
	Ant2	5290	0.15	0.21	71.43
	Ant1	5530	0.15	0.21	71.43
	Ant2	5530	0.15	0.21	71.43
	Ant1	5610	0.14	0.20	70.00
	Ant2	5610	0.14	0.20	70.00
	Ant1	5690	0.14	0.20	70.00
	Ant2	5690	0.14	0.20	70.00
	Ant1	5775	0.14	0.20	70.00
	Ant2	5775	0.15	0.21	71.43
11AC160MIMO	Ant1	5250	0.10	0.15	66.67
	Ant2	5250	0.10	0.15	66.67
	Ant1	5570	0.10	0.15	66.67
	Ant2	5570	0.10	0.15	66.67
11AX20MIMO	Ant1	5180	0.43	0.49	87.76
	Ant2	5180	0.43	0.49	87.76
	Ant1	5200	0.43	0.49	87.76
	Ant2	5200	0.43	0.49	87.76
	Ant1	5240	0.43	0.49	87.76
	Ant2	5240	0.43	0.49	87.76
	Ant1	5260	0.43	0.49	87.76
	Ant2	5260	0.43	0.49	87.76
	Ant1	5280	0.43	0.49	87.76
	Ant2	5280	0.43	0.49	87.76
	Ant1	5320	0.43	0.49	87.76
	Ant2	5320	0.43	0.49	87.76
	Ant1	5500	0.43	0.49	87.76
	Ant2	5500	0.43	0.49	87.76
	Ant1	5580	0.43	0.49	87.76
	Ant2	5580	0.43	0.49	87.76
	Ant1	5700	0.43	0.49	87.76
	Ant2	5700	0.43	0.49	87.76
	Ant1	5720	0.43	0.49	87.76
	Ant2	5720	0.43	0.49	87.76
	Ant1	5745	0.43	0.49	87.76
	Ant2	5745	0.43	0.49	87.76
	Ant1	5785	0.43	0.49	87.76
	Ant2	5785	0.43	0.49	87.76
	Ant1	5825	0.43	0.49	87.76
	Ant2	5825	0.43	0.49	87.76
11AX40MIMO	Ant1	5190	0.27	0.33	81.82
	Ant2	5190	0.27	0.33	81.82
	Ant1	5230	0.27	0.33	81.82
	Ant2	5230	0.27	0.33	81.82
	Ant1	5270	0.27	0.33	81.82
	Ant2	5270	0.27	0.33	81.82
	Ant1	5310	0.27	0.33	81.82
	Ant2	5310	0.27	0.33	81.82
	Ant1	5510	0.27	0.33	81.82
	Ant2	5510	0.27	0.33	81.82
	Ant1	5550	0.27	0.33	81.82
	Ant2	5550	0.27	0.33	81.82
	Ant1	5670	0.27	0.33	81.82
	Ant2	5670	0.27	0.33	81.82
	Ant1	5710	0.27	0.33	81.82
	Ant2	5710	0.27	0.33	81.82
	Ant1	5755	0.26	0.32	81.25
	Ant2	5755	0.26	0.32	81.25
	Ant1	5795	0.26	0.32	81.25
	Ant2	5795	0.26	0.32	81.25
11AX80MIMO	Ant1	5210	0.14	0.20	70.00
	Ant2	5210	0.15	0.21	71.43

	Ant1	5290	0.14	0.20	70.00
	Ant2	5290	0.15	0.21	71.43
	Ant1	5530	0.14	0.20	70.00
	Ant2	5530	0.15	0.21	71.43
	Ant1	5610	0.15	0.21	71.43
	Ant2	5610	0.14	0.20	70.00
	Ant1	5690	0.18	0.24	75.00
	Ant2	5690	0.18	0.24	75.00
	Ant1	5775	0.15	0.21	71.43
	Ant2	5775	0.15	0.21	71.43
11AX160MIMO	Ant1	5250	0.41	0.47	87.23
	Ant2	5250	0.41	0.46	89.13
	Ant1	5570	0.41	0.46	89.13
	Ant2	5570	0.42	0.47	89.36

11A_Ant1_5180

Ref 30 dBm RBW 10 MHz Delta 2 [T1] 0.11 dB
*Att 25 dB *VBW 10 MHz SWT 5 ms 1.460000 ms

30 Offset 21.3 dB Marker 1 [T1] 19.22 dBm
1.410000 ms
1.460000 ms

Center 5.18 GHz 500 μ s/

Date: 25.JAN.2024 14:20:22

11A_Ant2_5180

Ref 30 dBm RBW 10 MHz Delta 2 [T1] -0.37 dB
*Att 25 dB *VBW 10 MHz SWT 5 ms 1.470000 ms

30 Offset 22 dB Marker 1 [T1] 17.62 dBm
TRG 15.8 dBm -41.83 dBm
1.410000 ms

Center 5.18 GHz 500 μ s/

Date: 25.JAN.2024 15:34:01

11A_Ant1_5200

Ref 30 dBm RBW 10 MHz Delta 2 [T1] -0.34 dB
*Att 25 dB *VBW 10 MHz SWT 5 ms 1.470000 ms

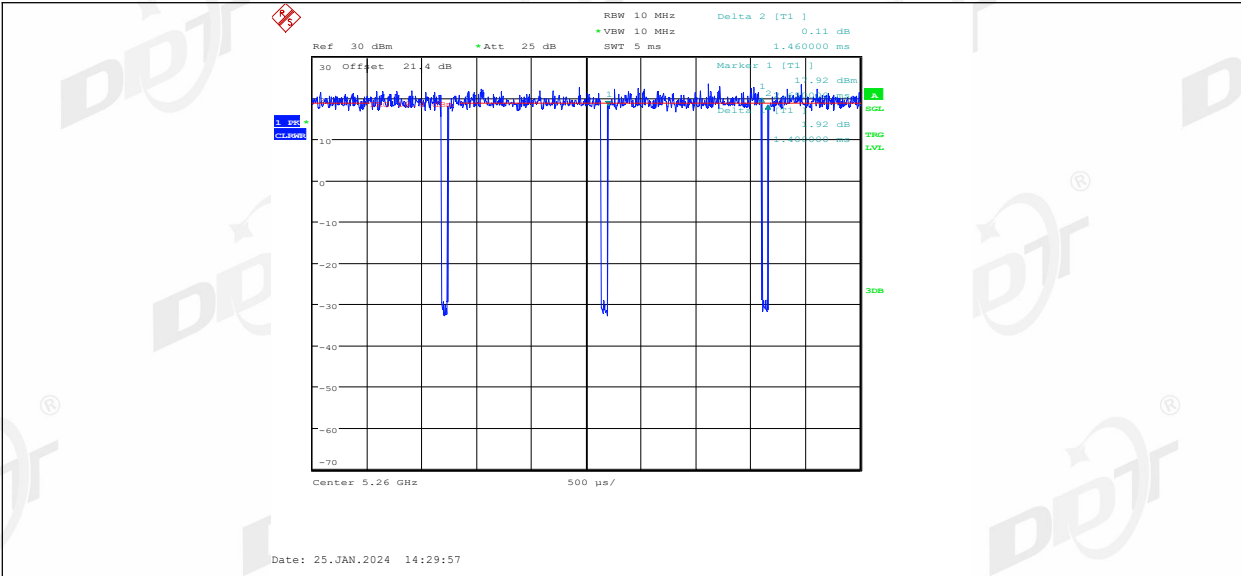
30 Offset 21.3 dB Marker 1 [T1] 15.88 dBm
TRG 13.8 dBm -41.84 dBm
1.410000 ms

Center 5.2 GHz 500 μ s/

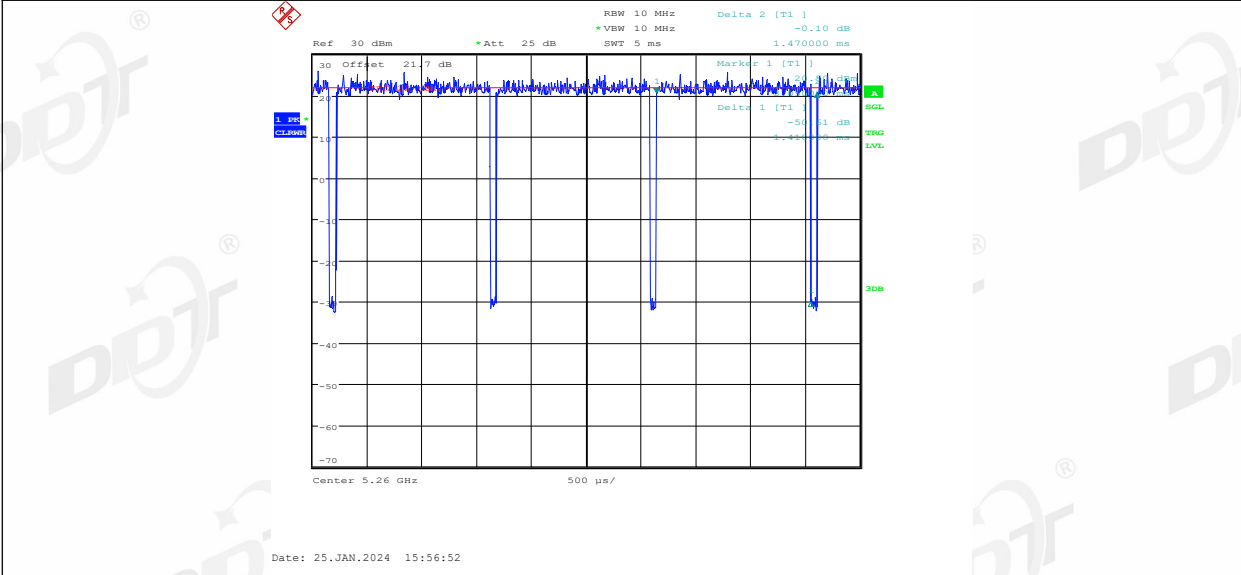
Date: 25.JAN.2024 14:23:19

The figure consists of three vertically stacked spectral plots. Each plot shows a frequency spectrum with a grid. The y-axis represents power in dBm, ranging from -70 to 30. The x-axis represents frequency in GHz, with a center frequency of 5.18 GHz for the first two plots and 5.2 GHz for the third. The plots show a blue signal trace with several sharp peaks. Various measurement markers and settings are displayed on the plots, including RBW, VBW, SWT, and Delta 2 [T1]. The plots are labeled 11A_Ant1_5180, 11A_Ant2_5180, and 11A_Ant1_5200. The date and time of the measurements are also provided for each plot.

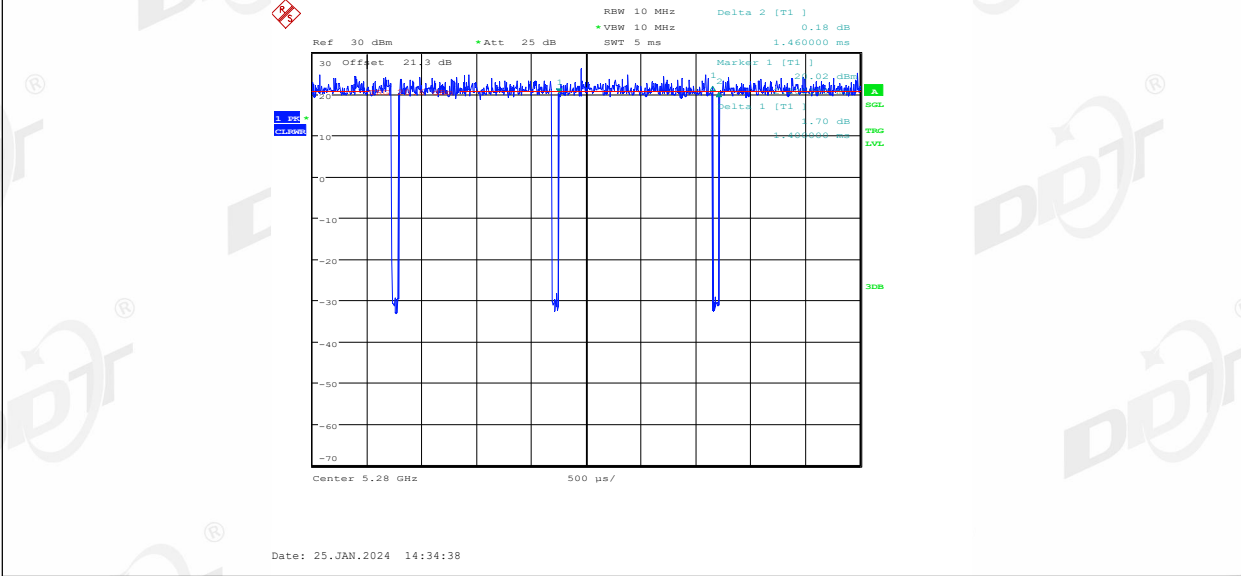




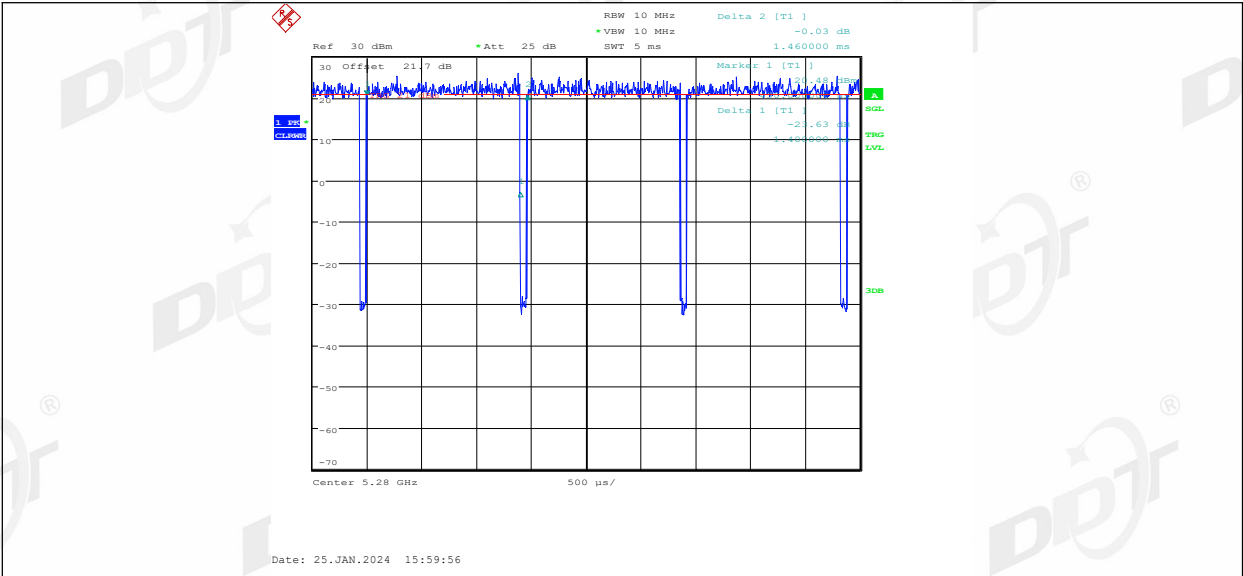
11A_Ant2_5260



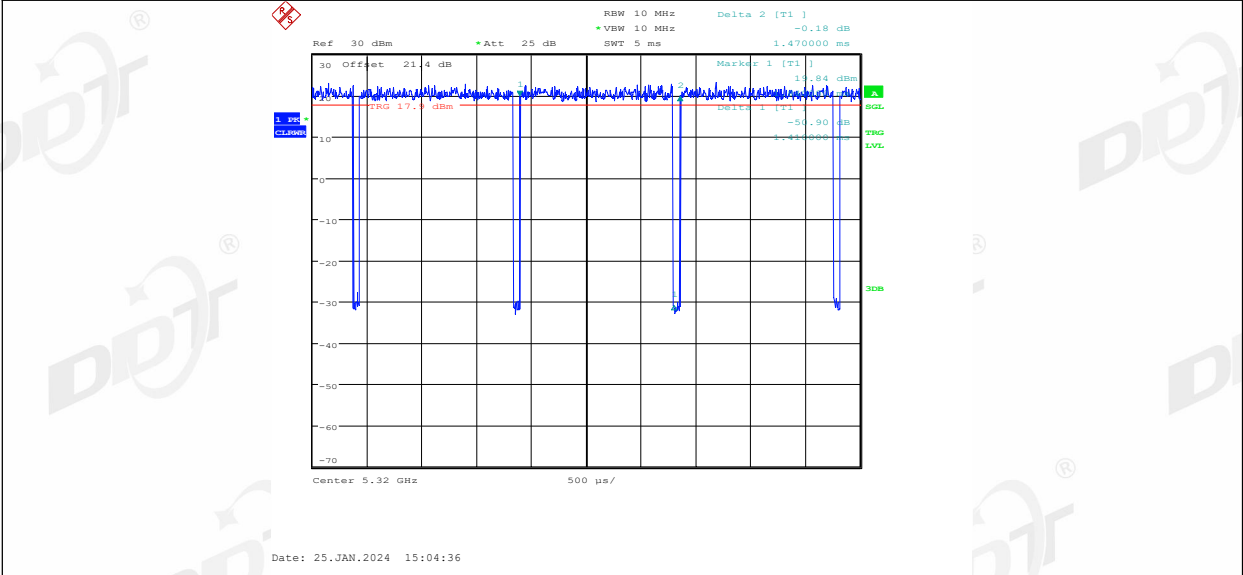
11A_Ant1_5280



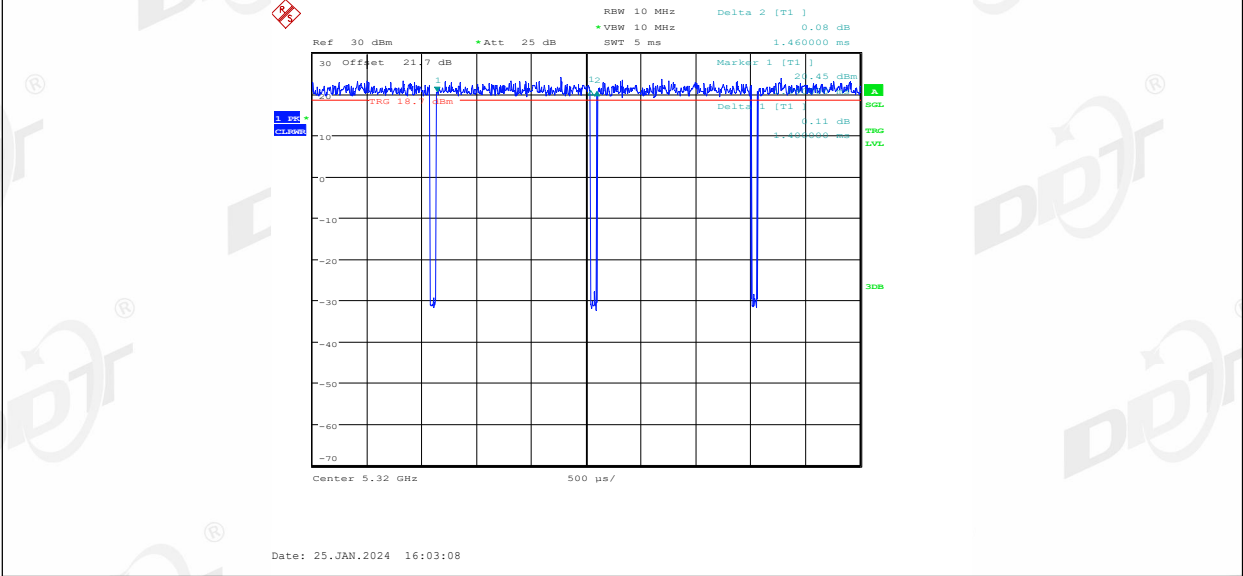
11A_Ant2_5280



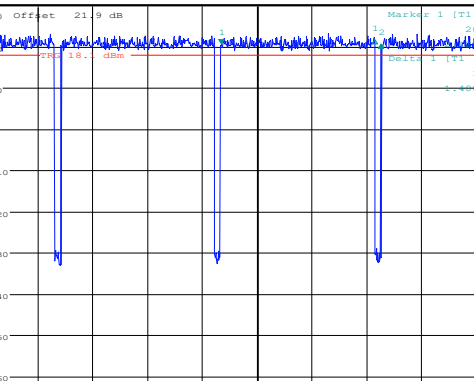
11A_Ant1_5320



11A_Ant2_5320



11A_Ant1_5500



RBW 10 MHz
 VBW 10 MHz
 SWT 5 ms
 Delta 2 [T1]
 0.00 dB
 1.460000 ms

Ref 30 dBm
 Att 25 dB

30 Offset 21.9 dB
 20.35 dBm
 20.35 dBm
 10.04 dB
 1.460000 ms

Marker 1 [T1]
 Offset 1 [T1]

Center 5.5 GHz
 500 ps/

Date: 25.JAN.2024 16:24:59

RBW 10 MHz Delta 2 [T1] -0.31 dB
 VBW 10 MHz
 SWT 5 ms 1.470000 ms

Ref 30 dBm * Act 25 dB

30 Offset 21.2 dB

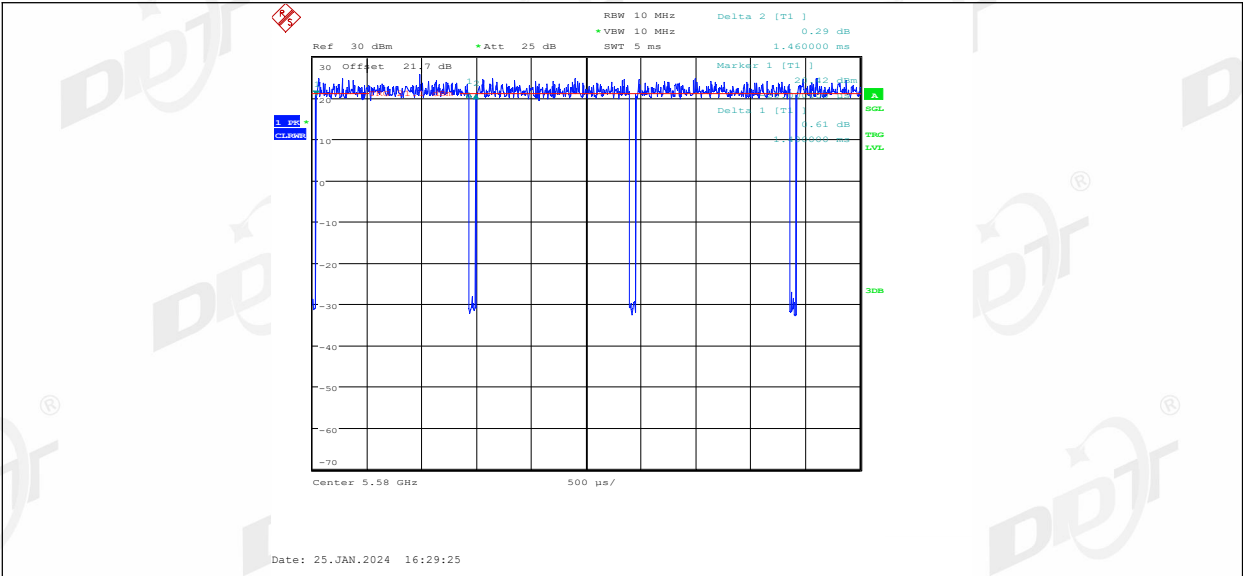
Marker 1 [T1] 18.52 dBm
 1.470000 ms
 -47.82 dB

3.000
 1.000
 1.000

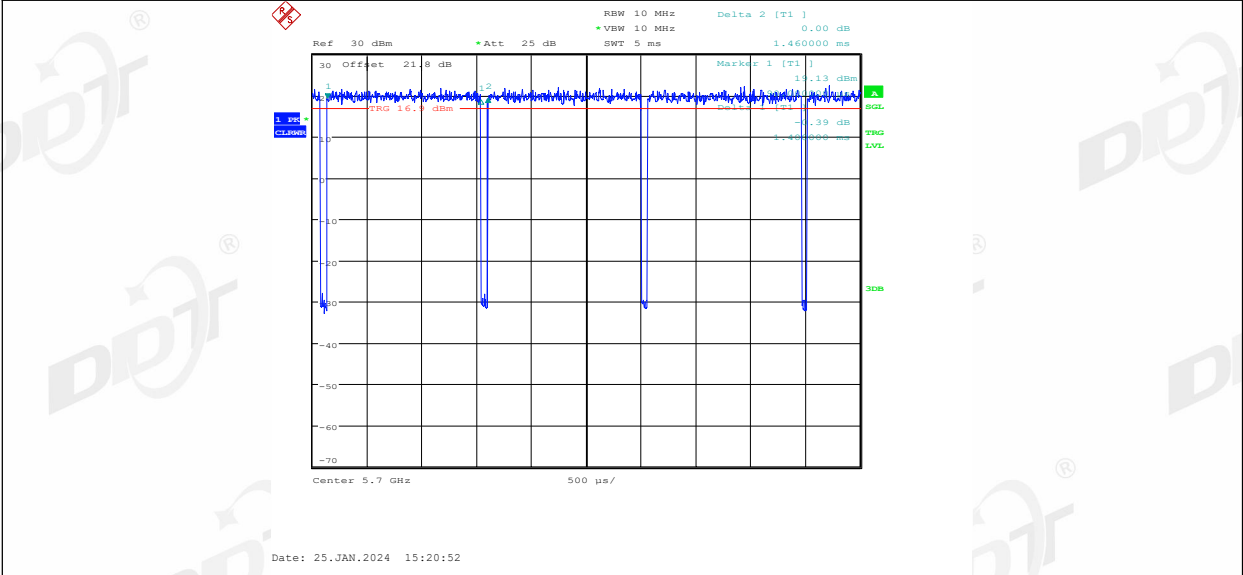
Center 5.58 GHz 500 ps/

Date: 25.JAN.2024 15:16:36

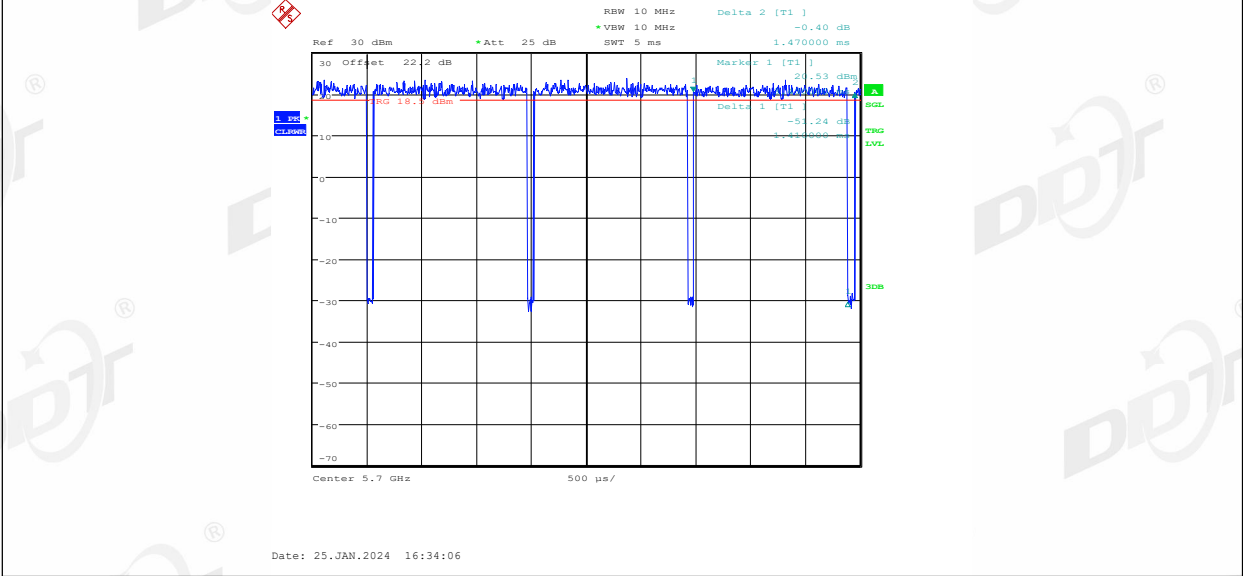
11A Ant2 5580



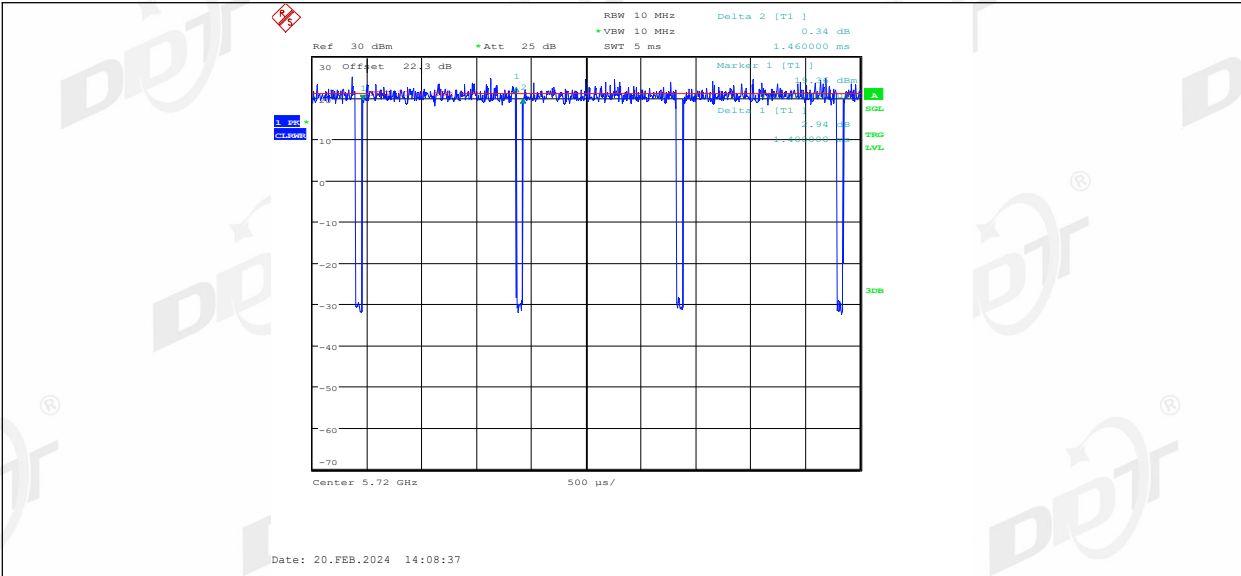
11A_Ant1_5700



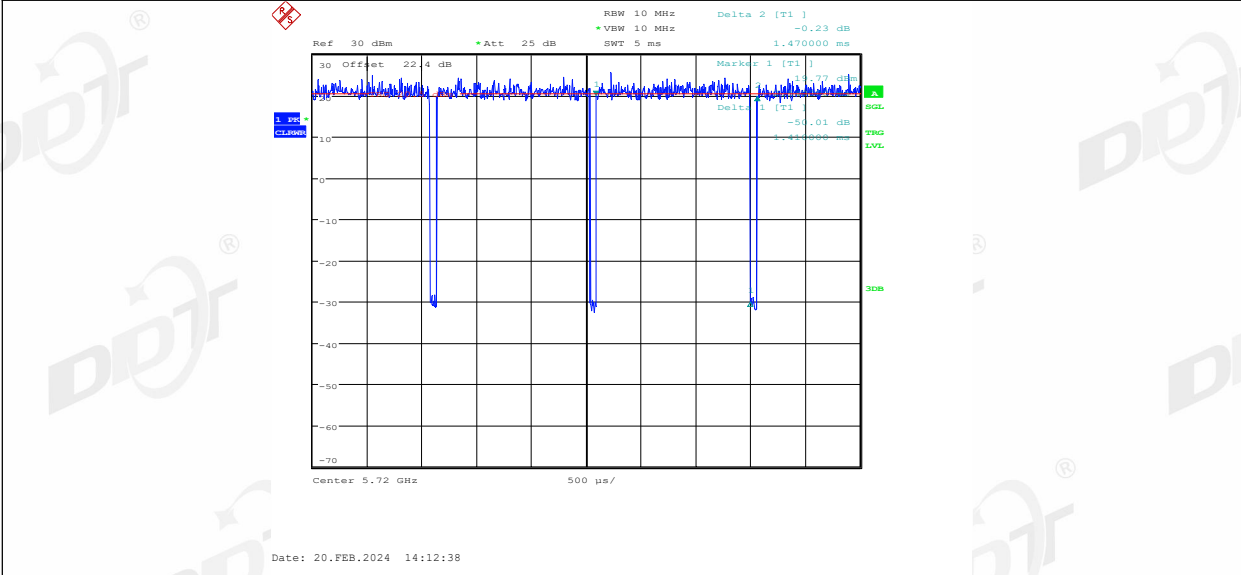
11A_Ant2_5700



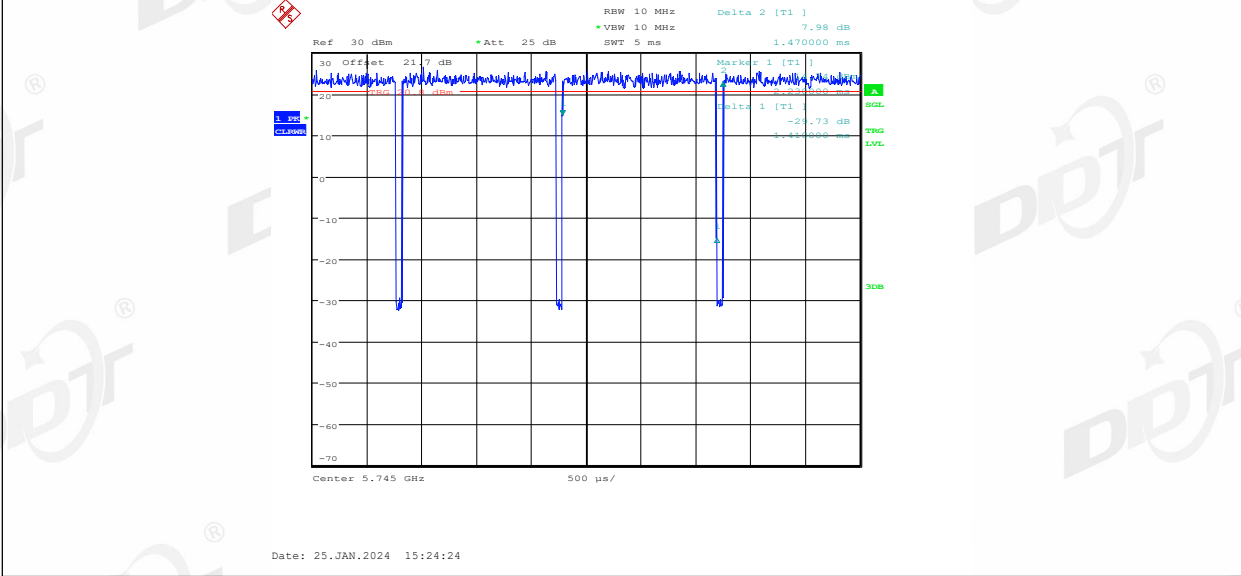
11A_Ant1_5720



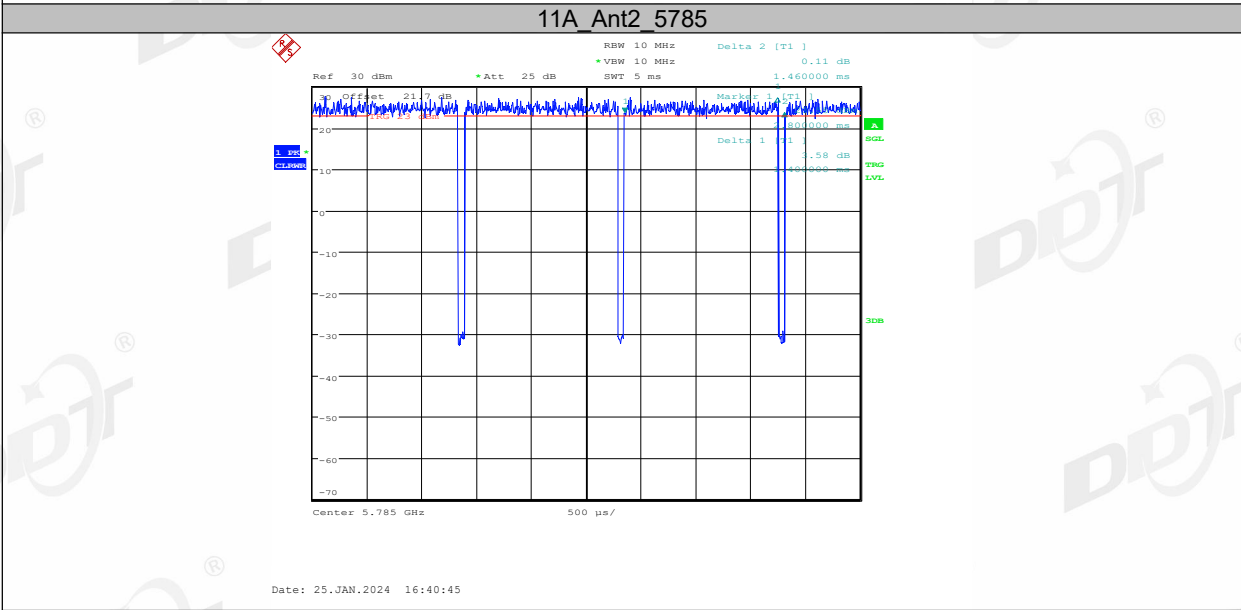
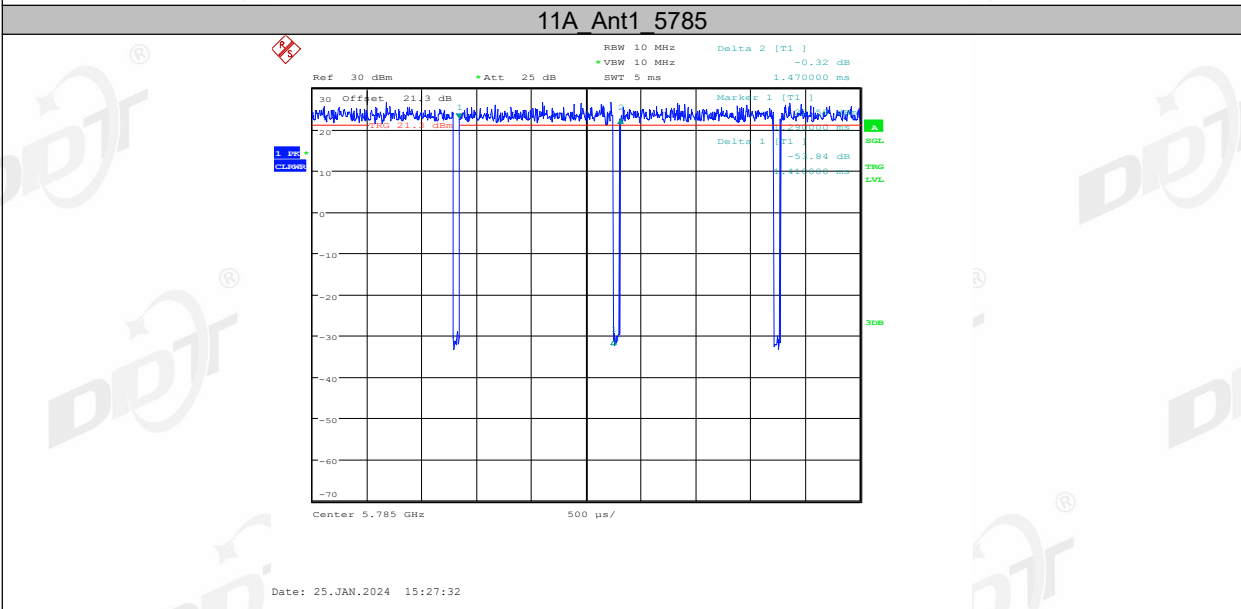
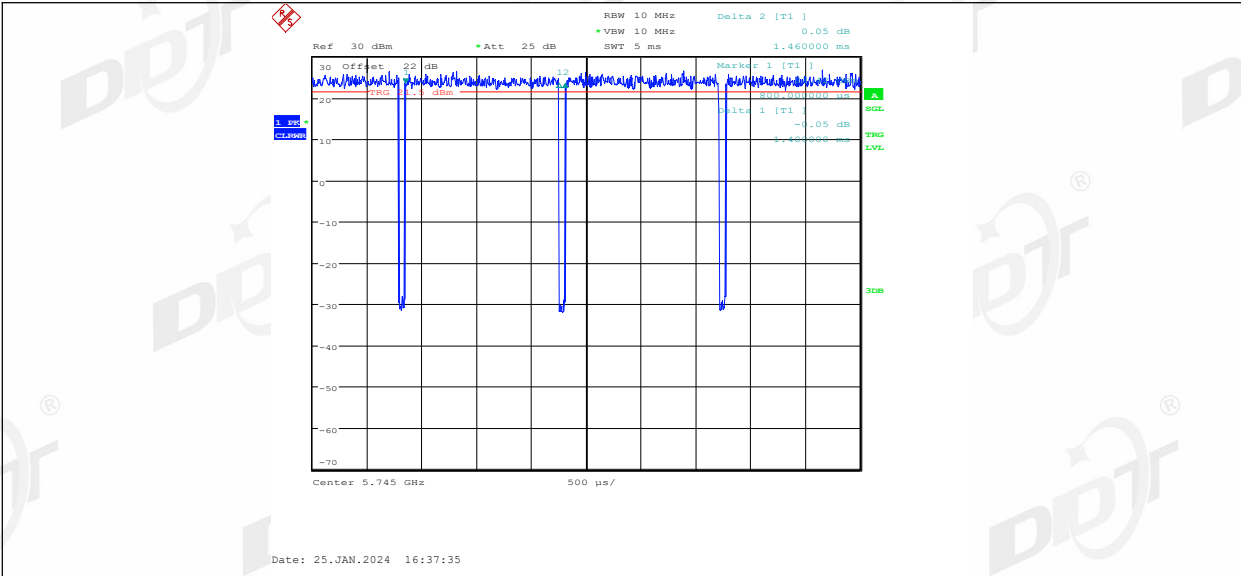
11A_Ant2_5720



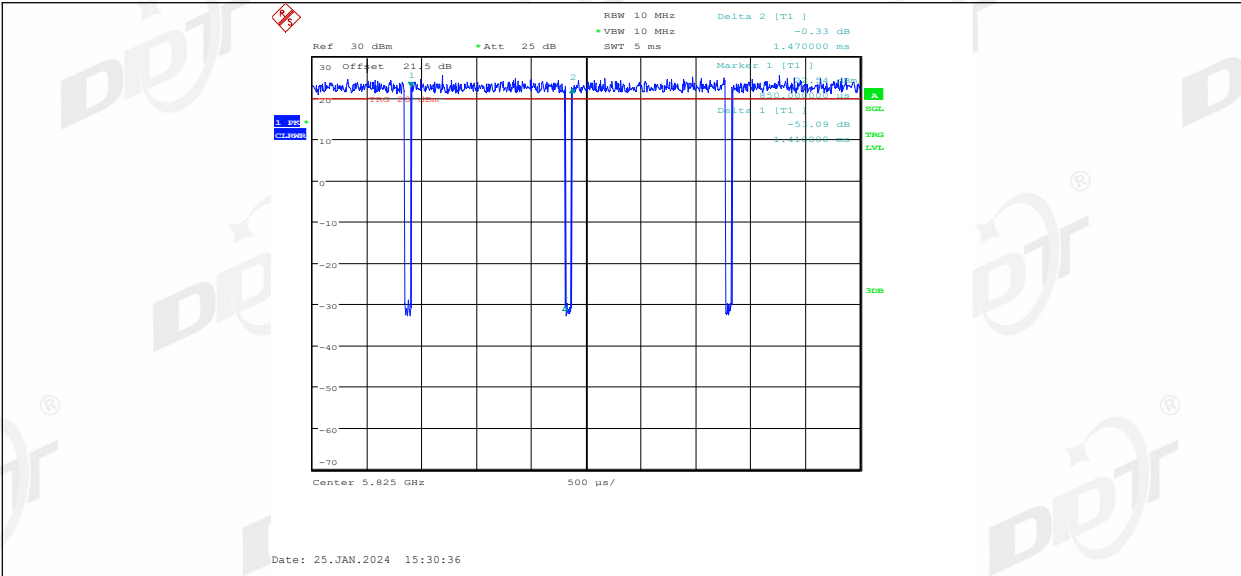
11A_Ant1_5745



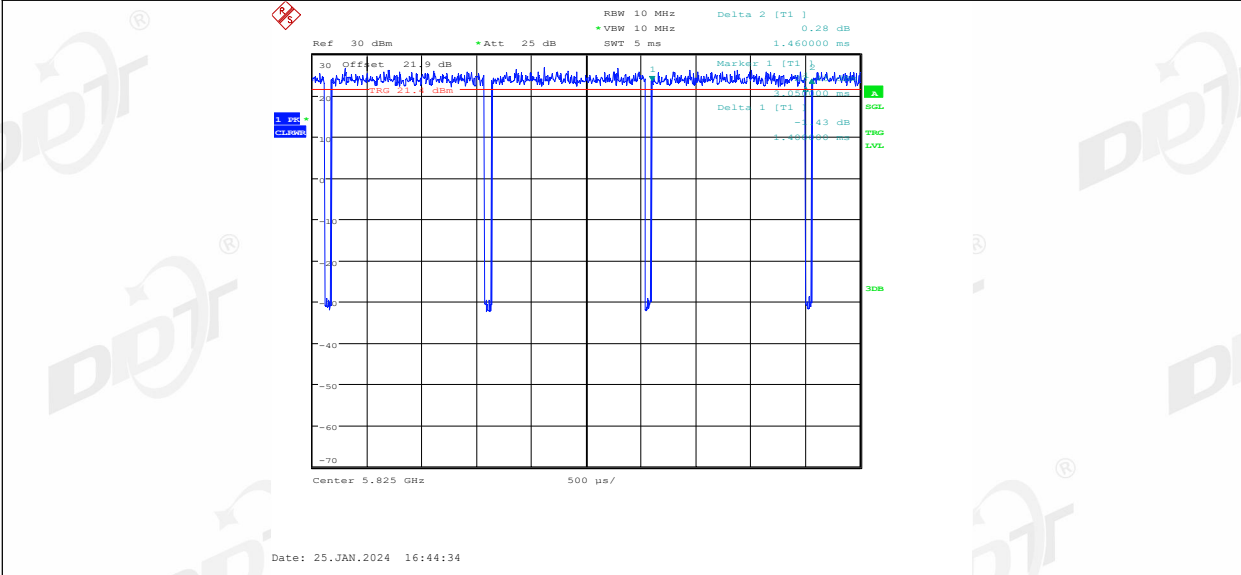
11A_Ant2_5745



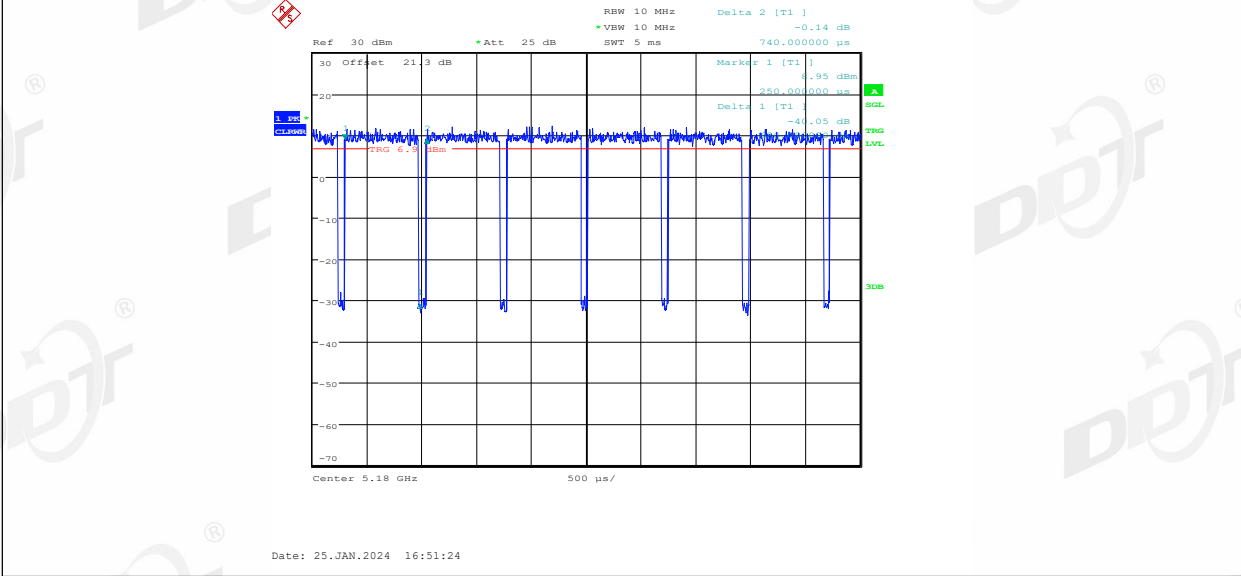
11A_Ant1_5825



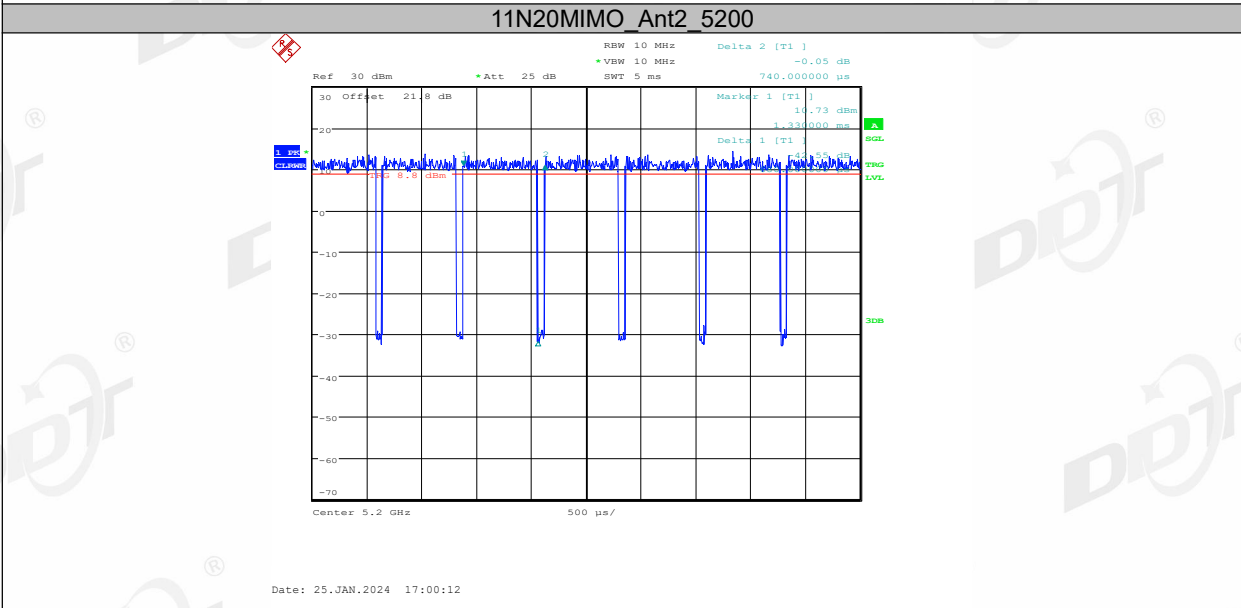
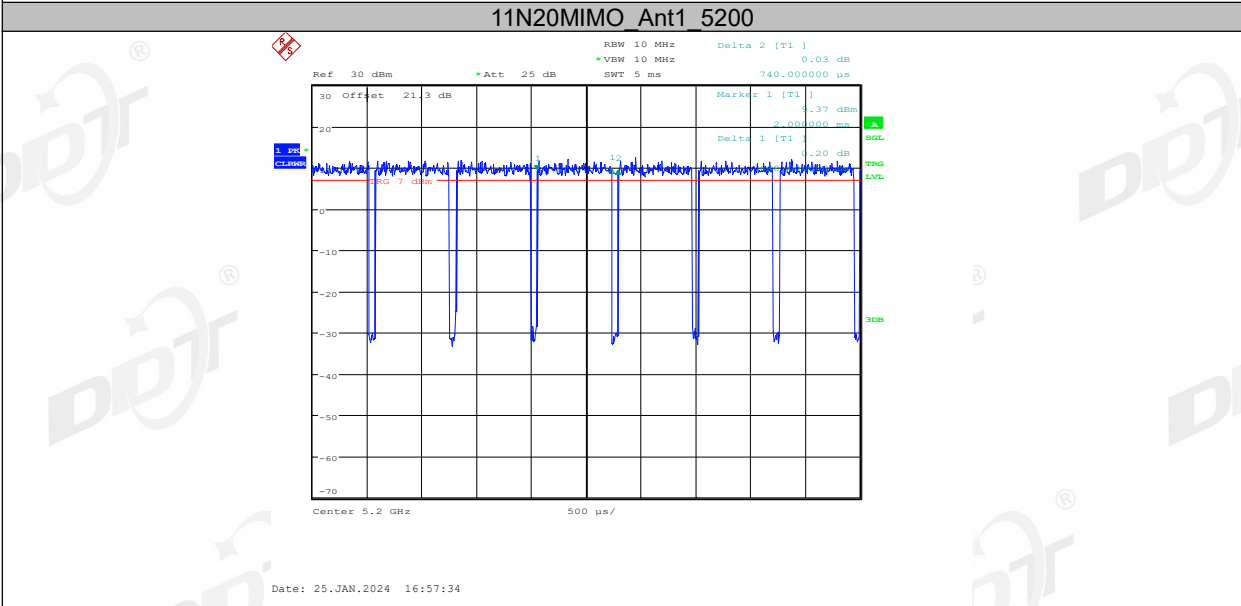
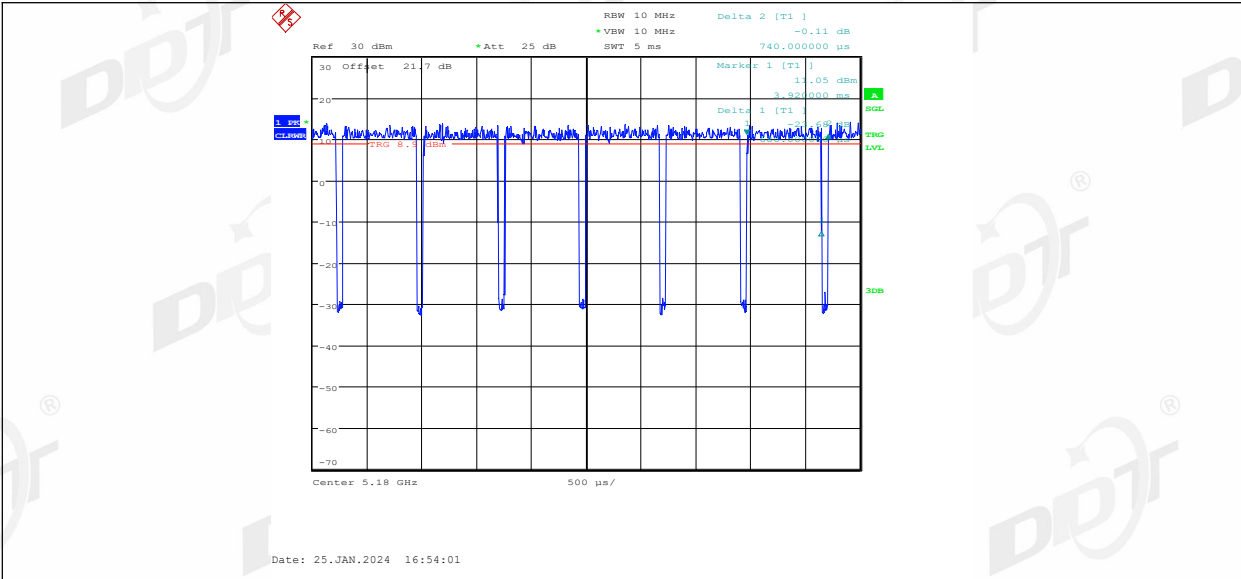
11A_Ant2_5825

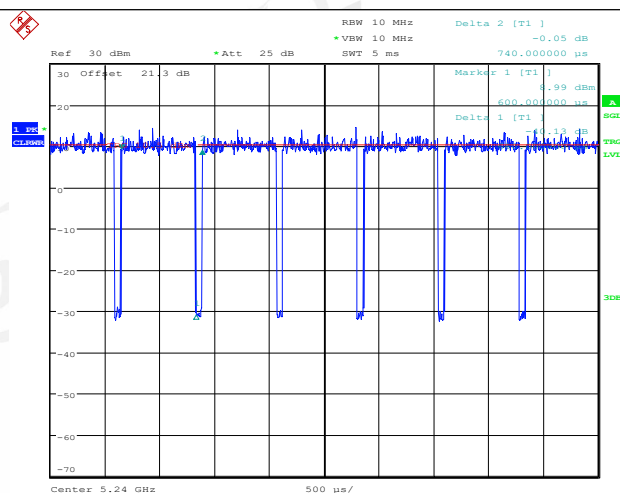


11N20MIMO_Ant1_5180



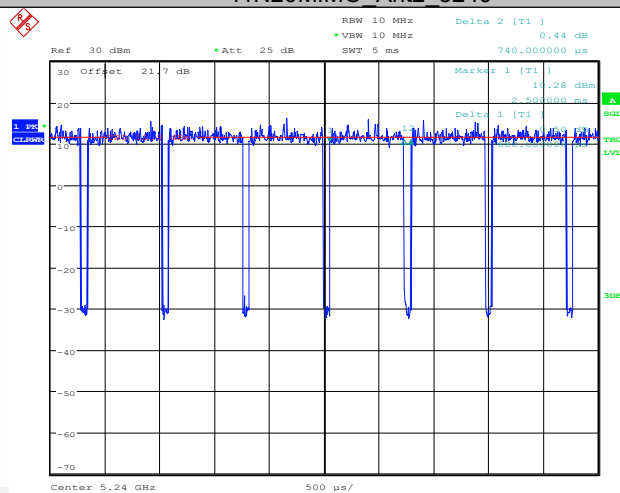
11N20MIMO_Ant2_5180





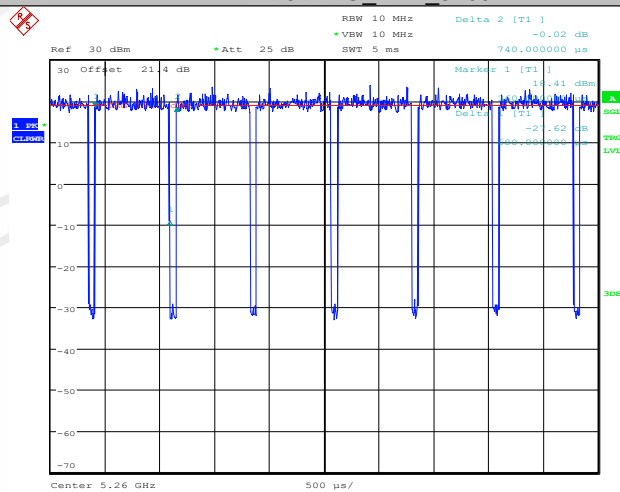
Date: 25.JAN.2024 17:03:43

11N20MIMO Ant2 5240



Date: 25.JAN.2024 17:06:21

11N20MIMO_Ant1_5260



Date: 25.JAN.2024 17:09:38

11N20MIMO_Ant2_5260



RBW 10 MHz Delta 2 [T1] -0.19 dB
 VBW 10 MHz
 SWT 5 ms 740.000000 μs

Ref 30 dBm * Att 25 dB

30 Offset 21.3 dB

15.64 dBm
 1.500000 ms
 -4.38 dB
 740.000000 μs

1. dB
 0.0000

30
 20
 10
 0
 -10
 -20
 -30
 -40
 -50
 -60
 -70

Center 5.28 GHz 500 μs/

Date: 25.JAN.2024 17:16:41

RBW 10 MHz Delta 2 [T1] -0.18 dB
 VBW 10 MHz
 SWT 5 ms 740.000000 μs

Ref 30 dBm *Att 25 dB

30 Offset 21.7 dB

10 16.39 dBm
 3.840000 ms
 -46.28 dB
 400.000000 μs

10 ps
 5.28 GHz

500 μs/

Date: 25.JAN.2024 17:25:20

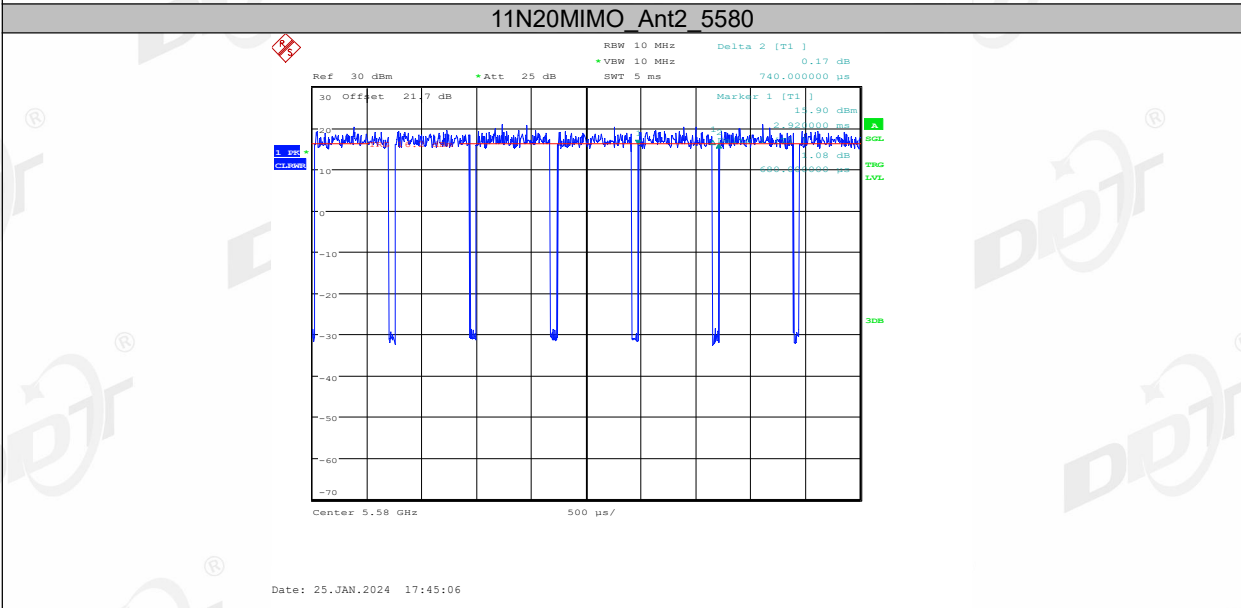
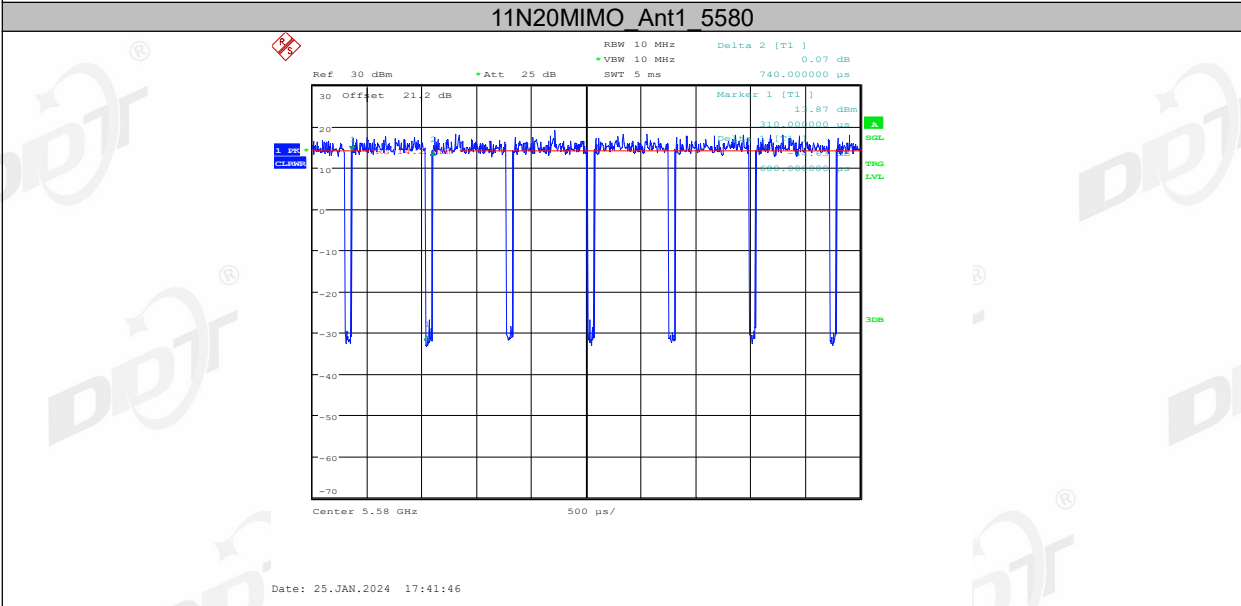
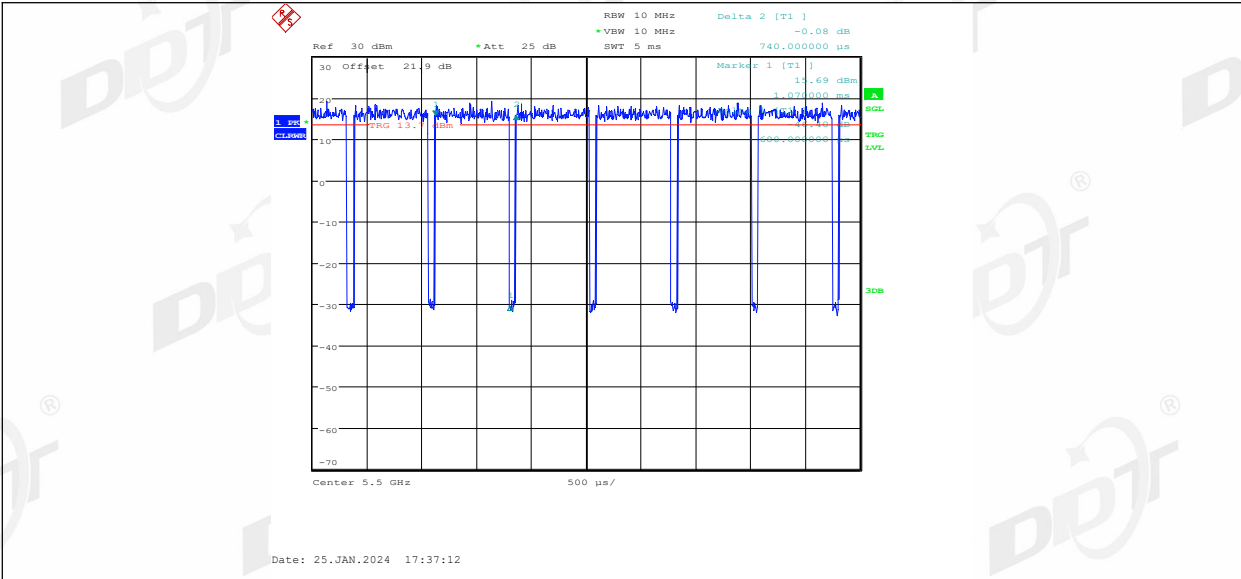
11N20MIMO_Ant1_5320

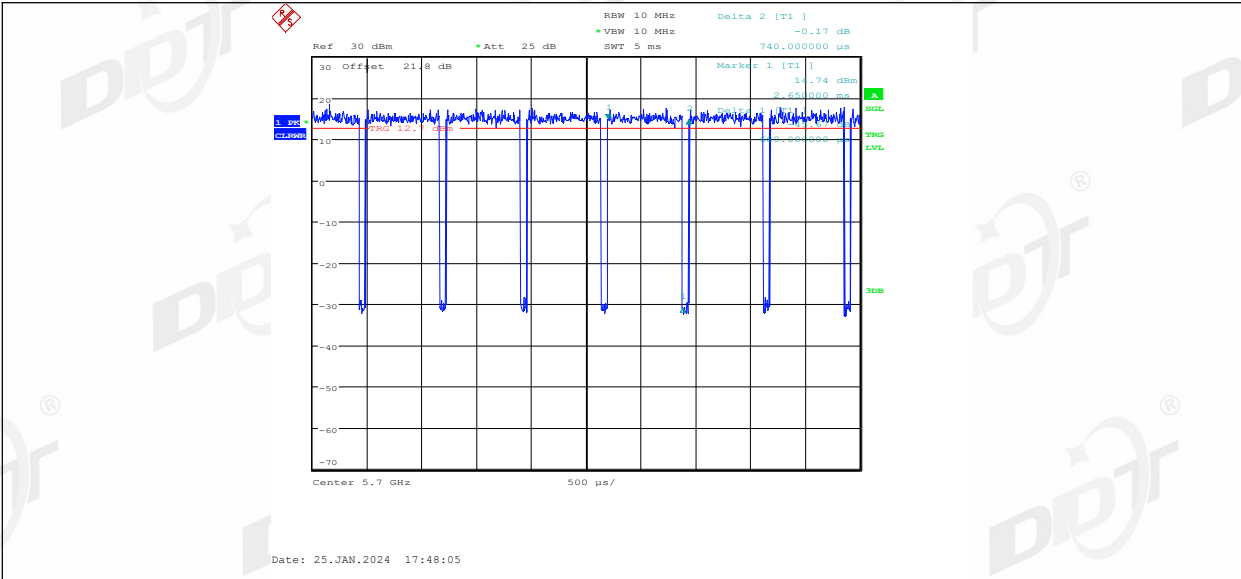


Date: 25.JAN.2024 17:31:03

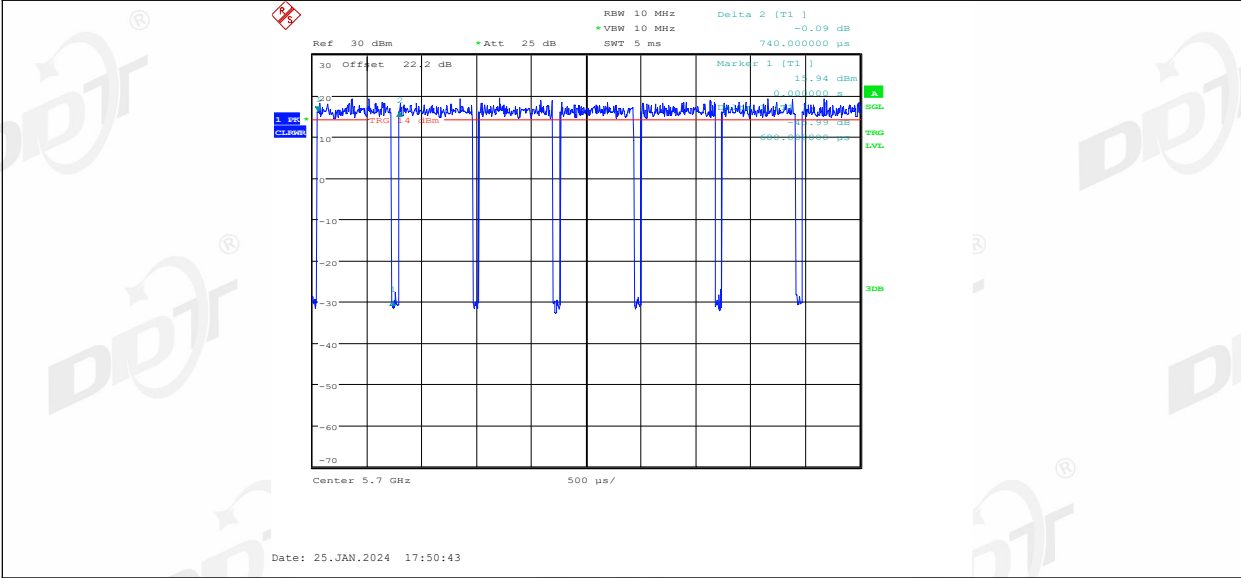
Date: 25.JAN.2024 17:34:35

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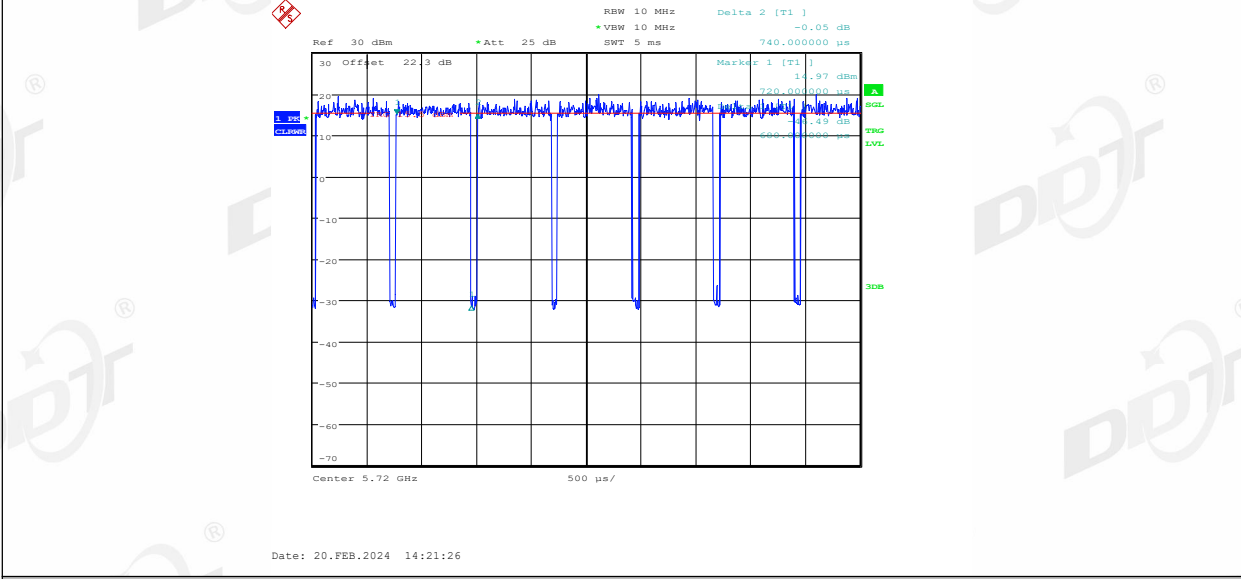




11N20MIMO_Ant2_5700



11N20MIMO_Ant1_5720



11N20MIMO_Ant2_5720



RBW 10 MHz Delta 2 [T1]
 VBW 10 MHz -0.06 dB
 SWT 5 ms 740.000000 μs

Ref 30 dBm
 Att 25 dB

30 Offset 21 17 dB
 17.52 dBm
 2.920000 ms
 10.32 dB
 600.000000 μs

1. dB
 0.0000

Center 5.745 GHz
 500 μs/

Date: 25.JAN.2024 17:54:00

RBW 10 MHz Delta 2 [T1] -0.05 dB
 VBW 10 MHz
 SWT 5 ms 740.000000 μs
 Att 25 dB

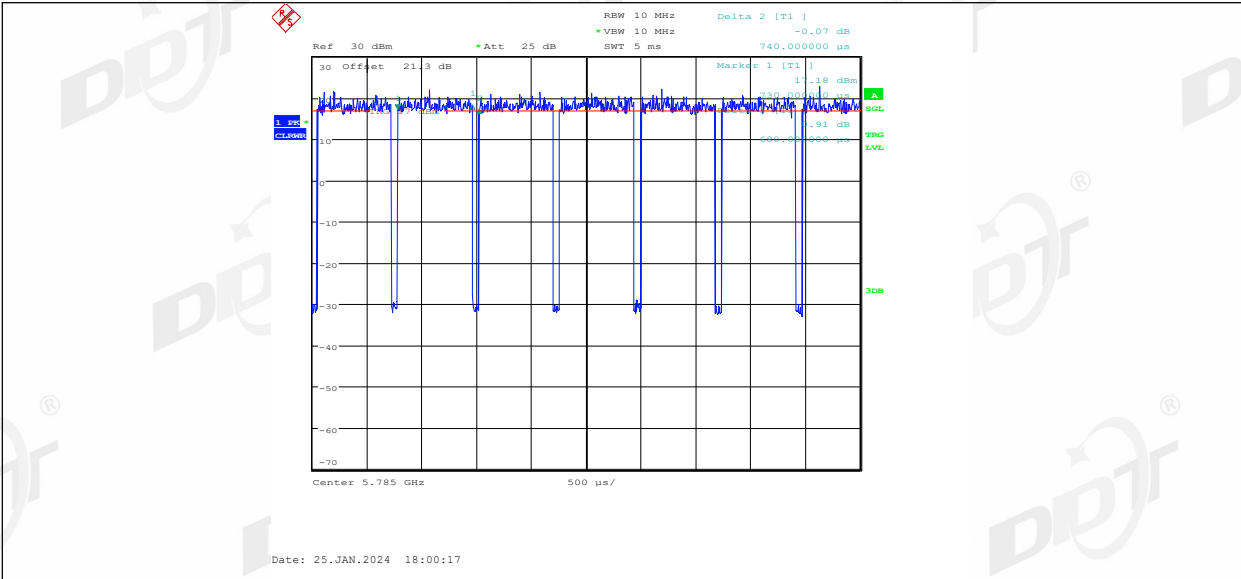
Ref 30 dBm Offset 22 dB

Marker 1 [T1]
 17.94 dBm
 1.750201 Hz
 1.256 dB
 260.000000 μs

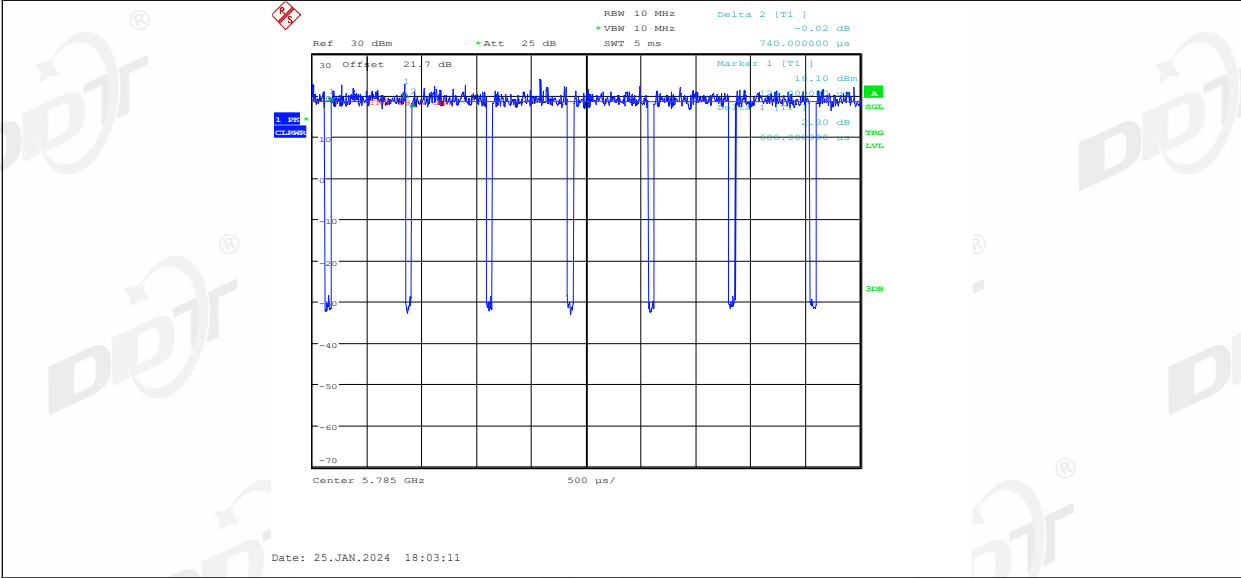
Center 5.745 GHz 500 μs

Date: 25.JAN.2024 17:56:53

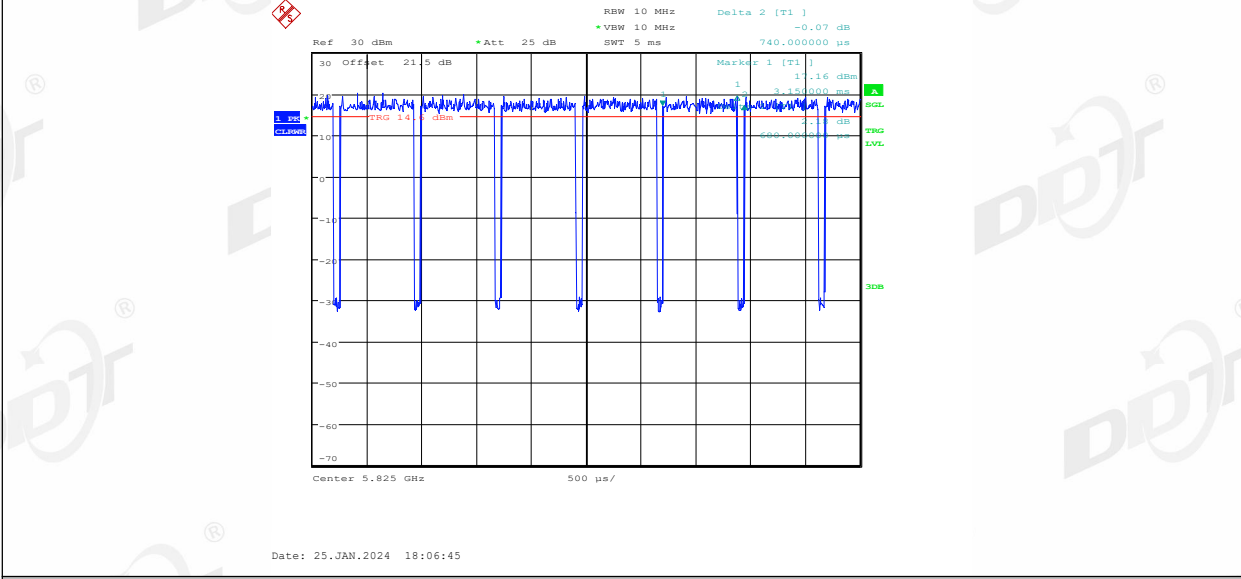
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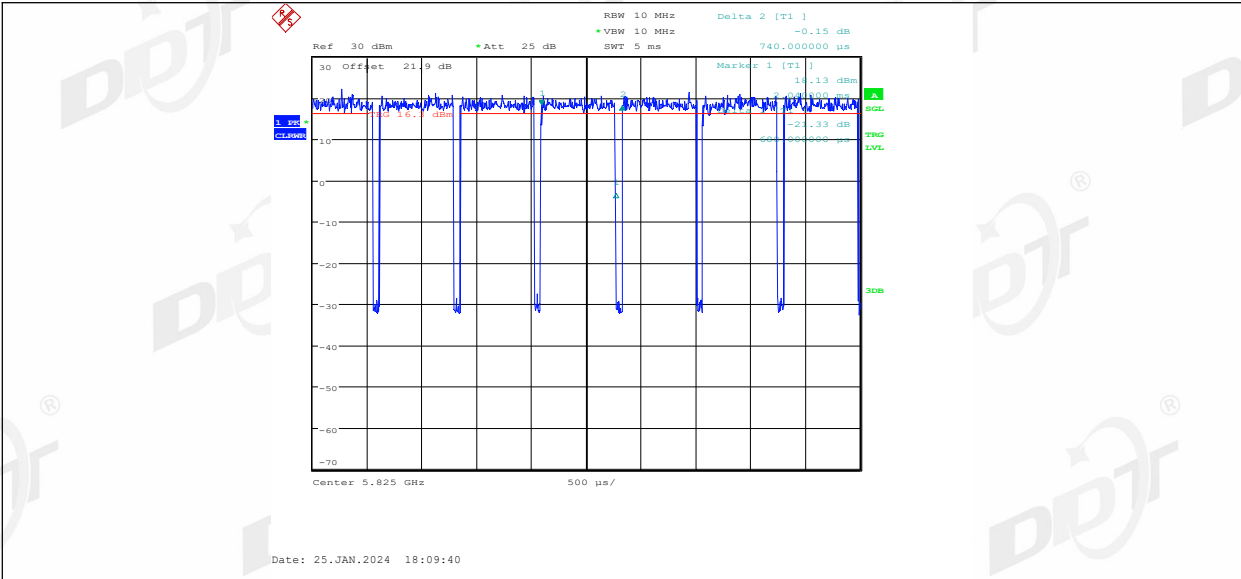
11N20MIMO_Ant2_5785



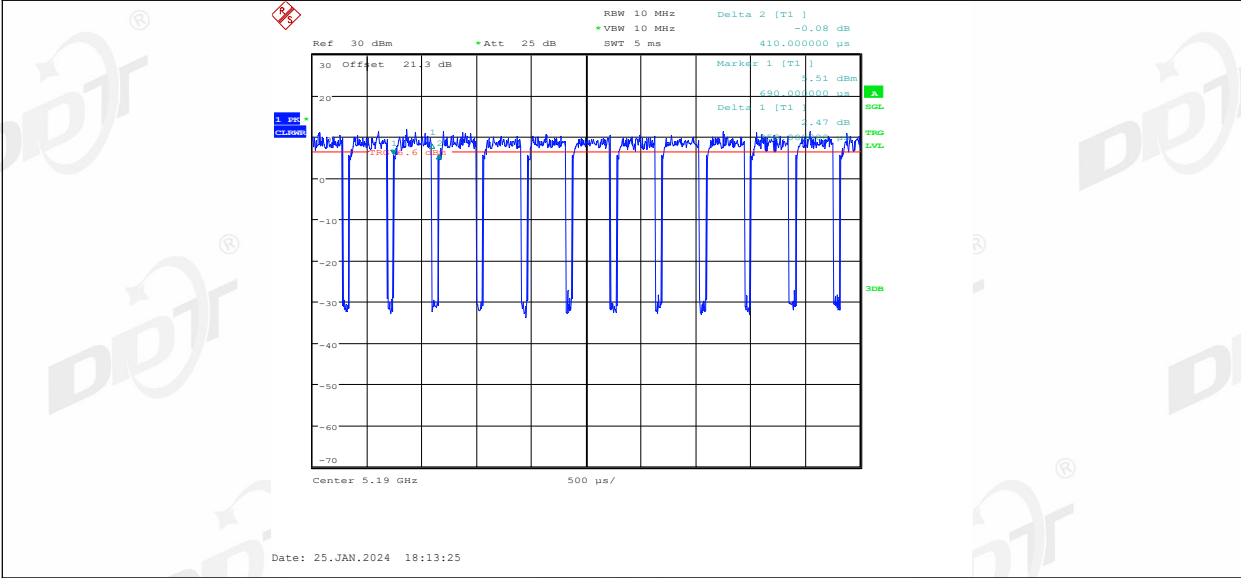
11N20MIMO_Ant1_5825



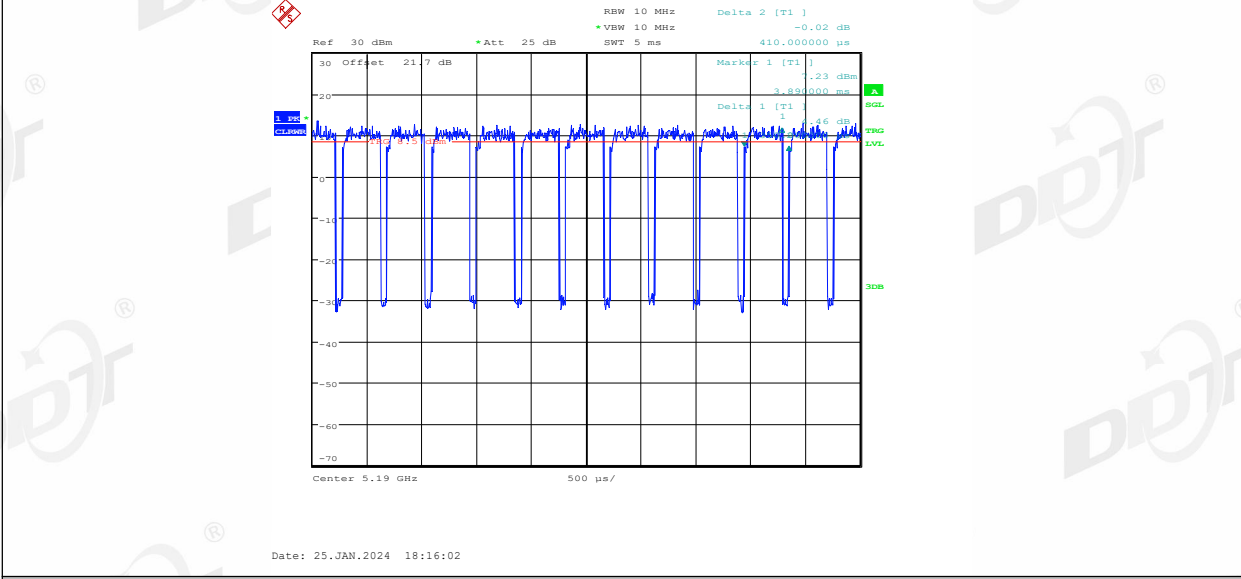
11N20MIMO_Ant2_5825



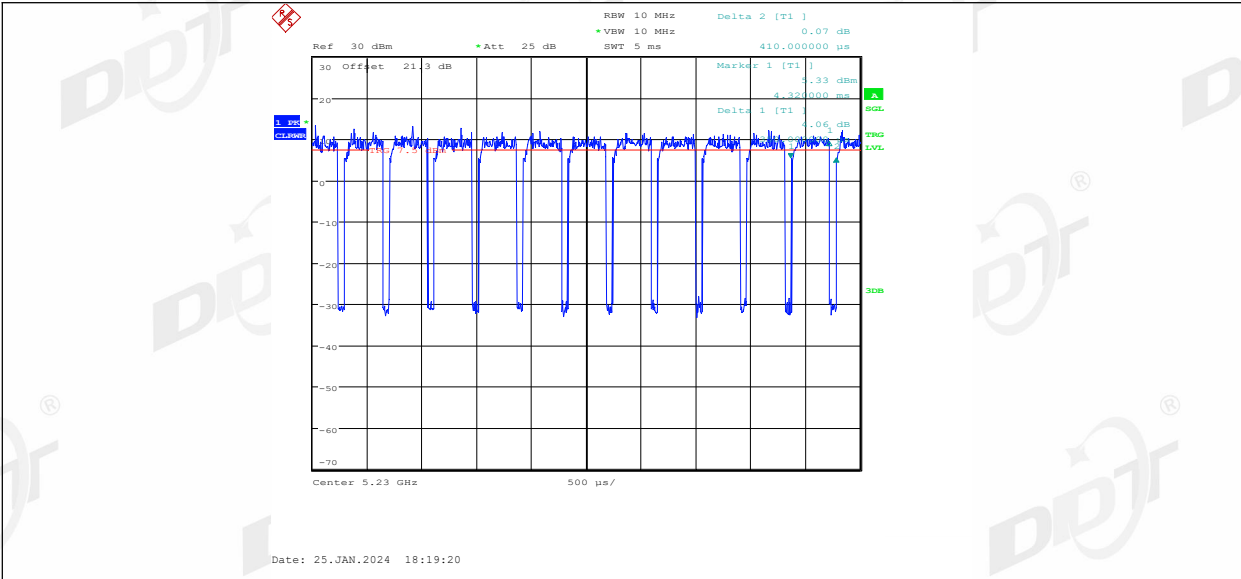
11N40MIMO_Ant1_5190



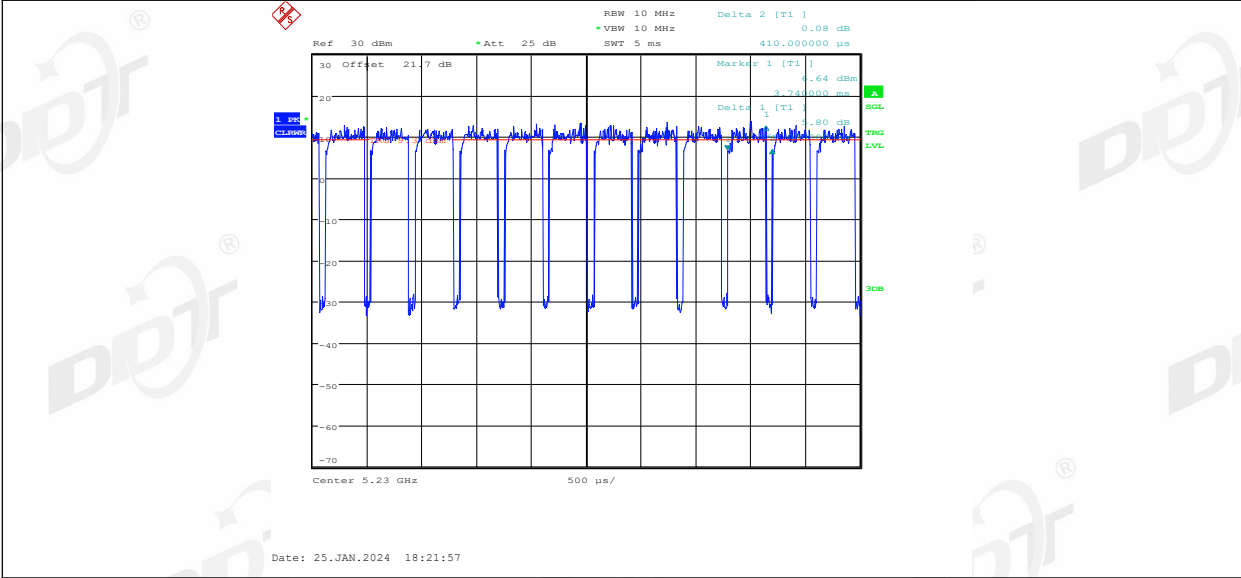
11N40MIMO_Ant2_5190



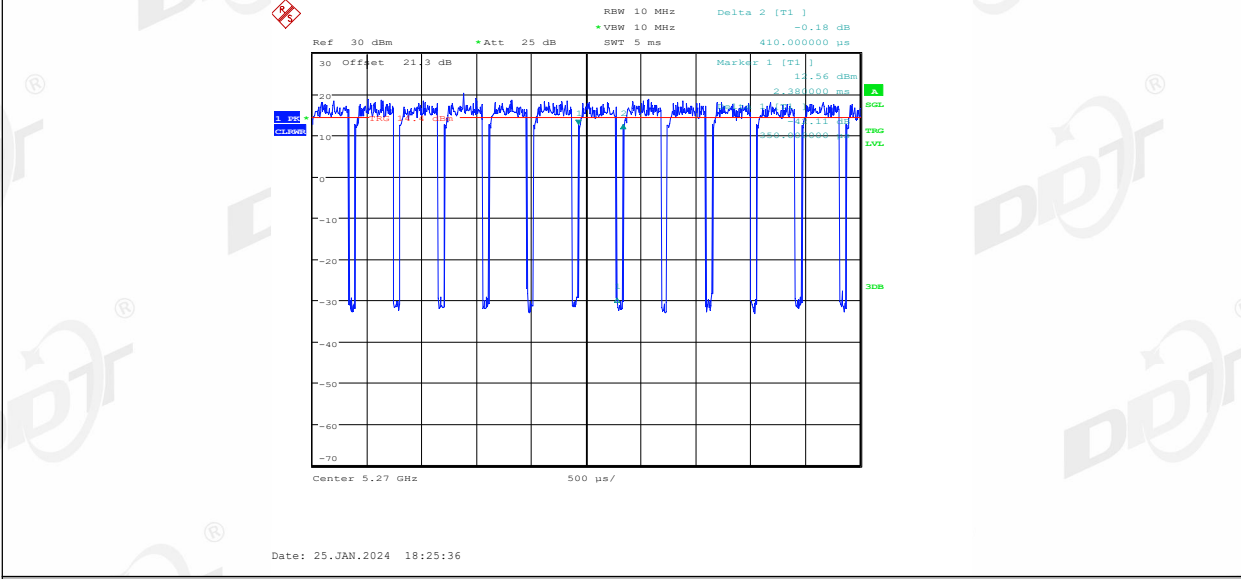
11N40MIMO_Ant1_5230



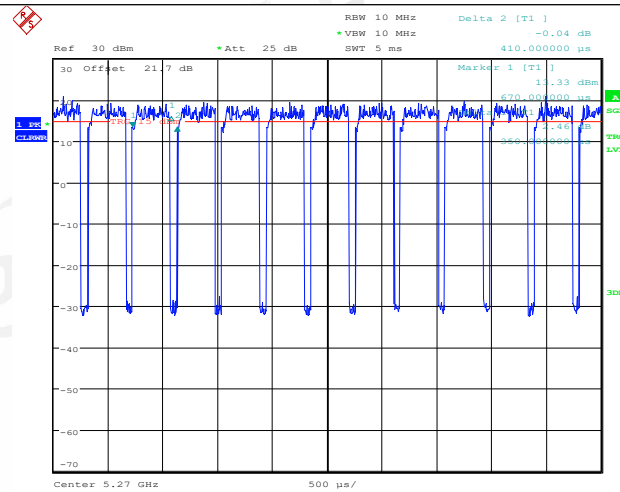
11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5270

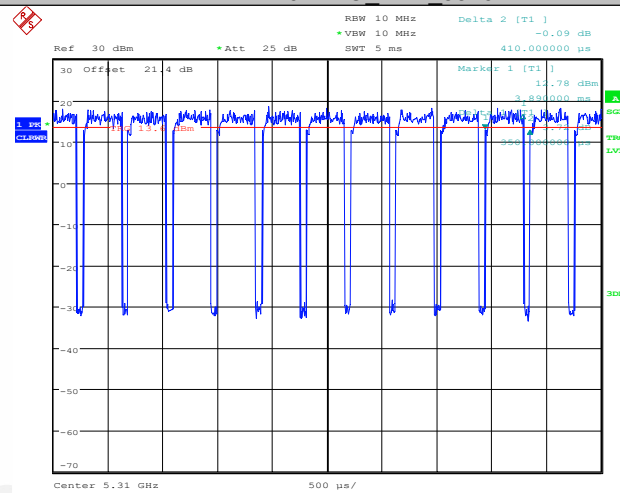


11N40MIMO_Ant2_5270



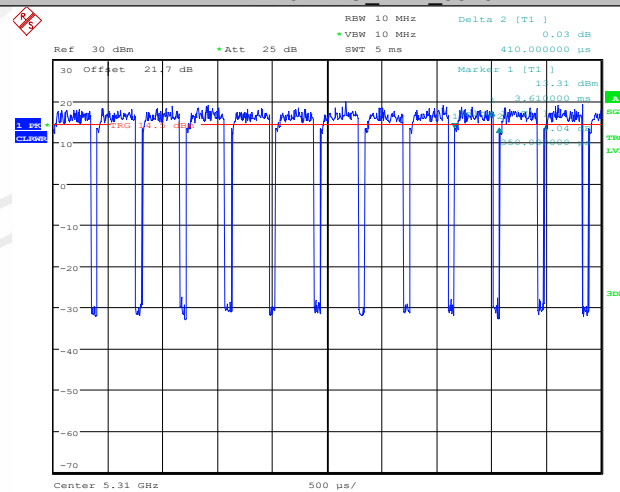
Date: 25.JAN.2024 19:22:21

11N40MIMO_Ant1_5310



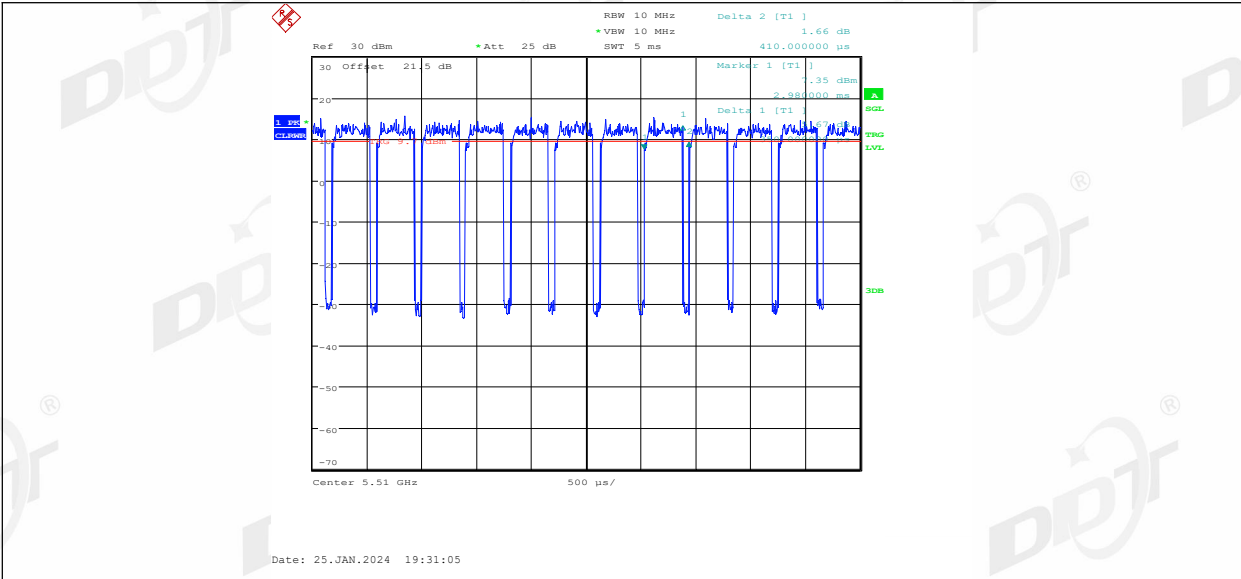
Date: 25.JAN.2024 19:25:30

11N40MIMO_Ant2_5310

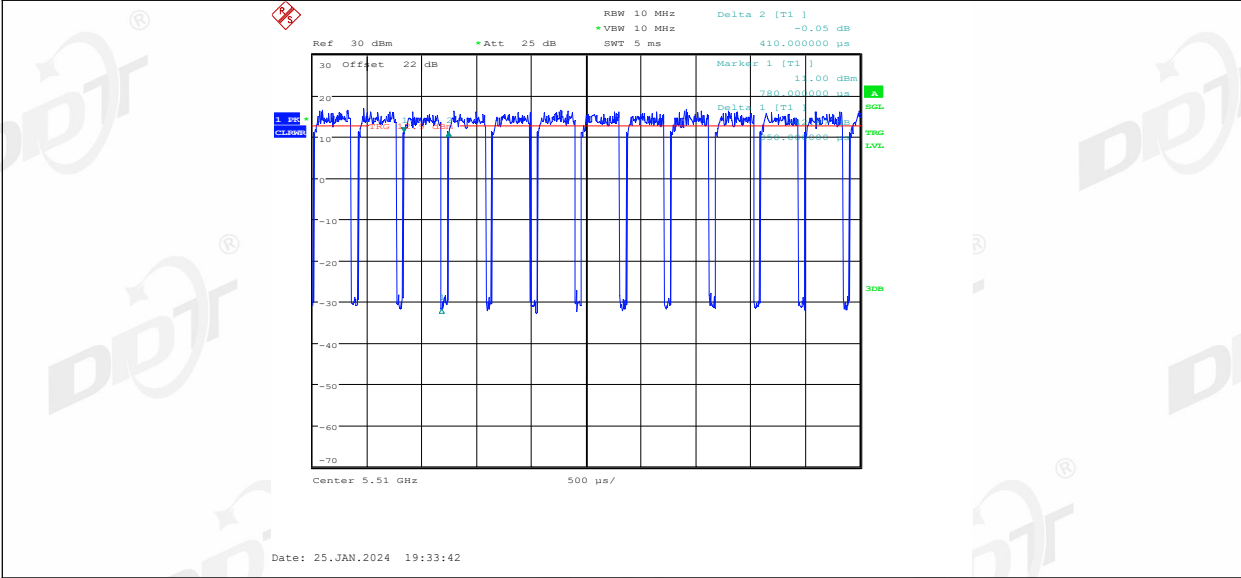


Date: 25.JAN.2024 19:28:08

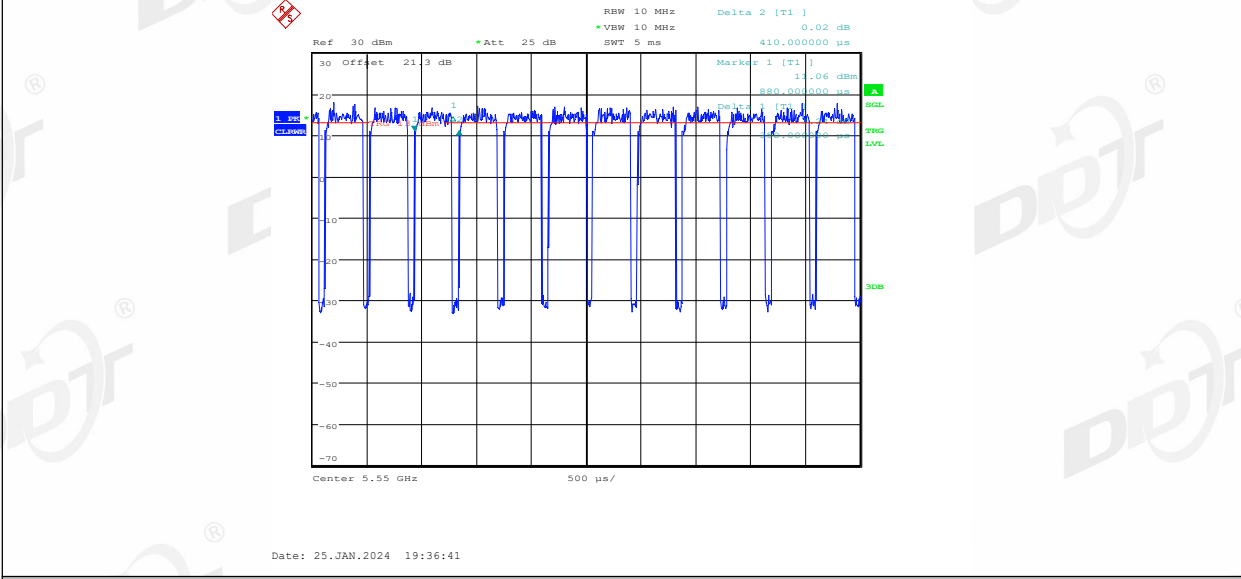
11N40MIMO_Ant1_5510



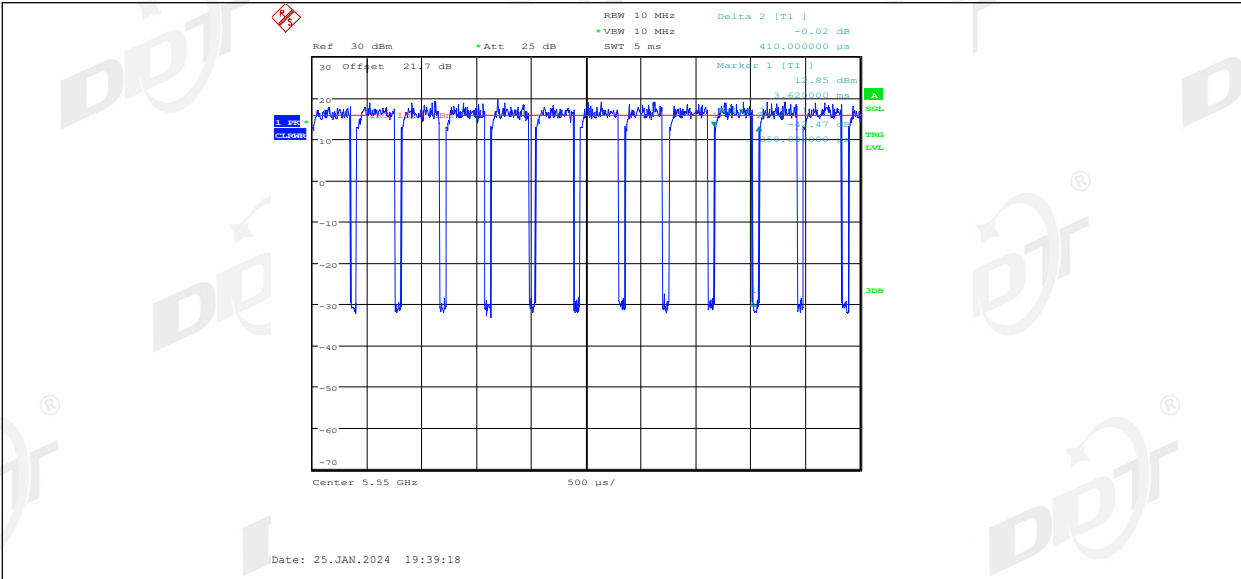
11N40MIMO_Ant2_5510



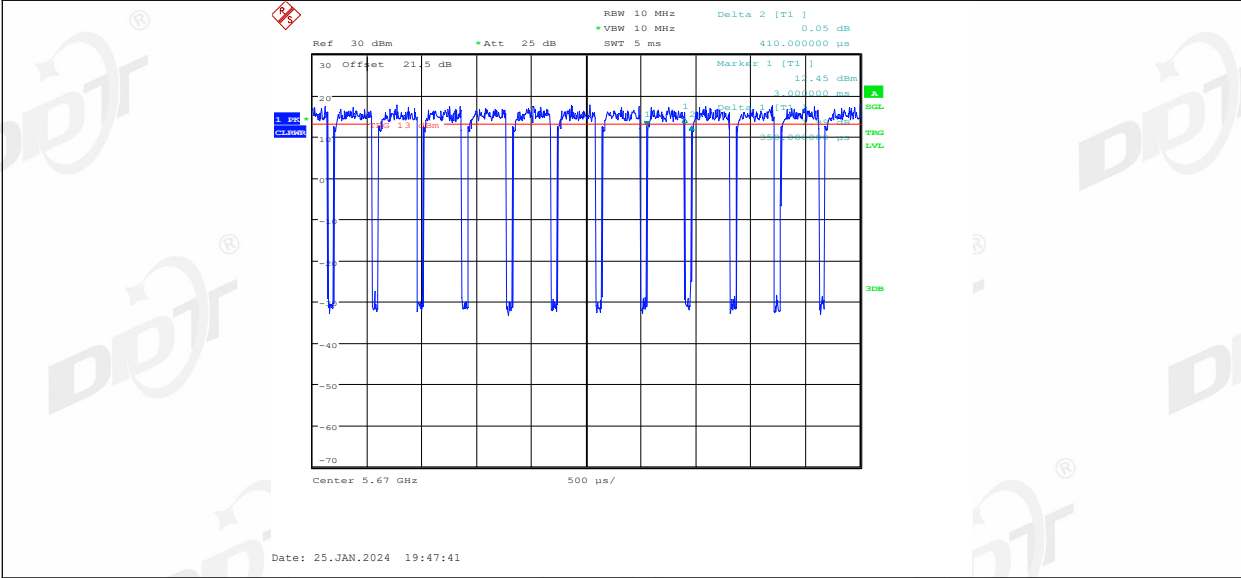
11N40MIMO_Ant1_5550



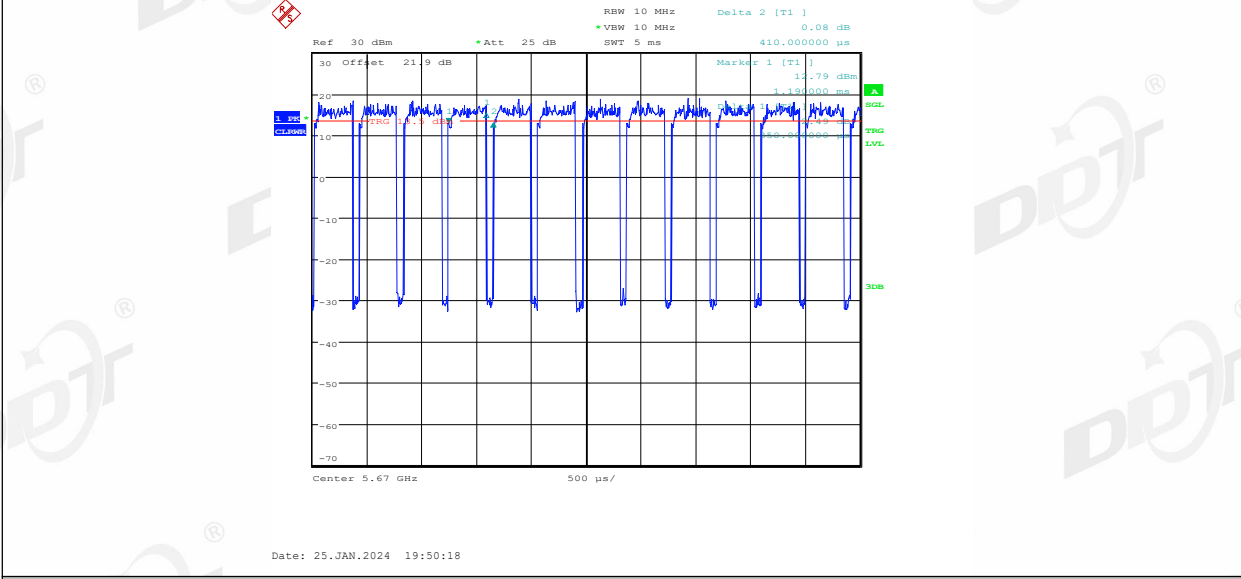
11N40MIMO_Ant2_5550



11N40MIMO_Ant1_5670



11N40MIMO_Ant2_5670



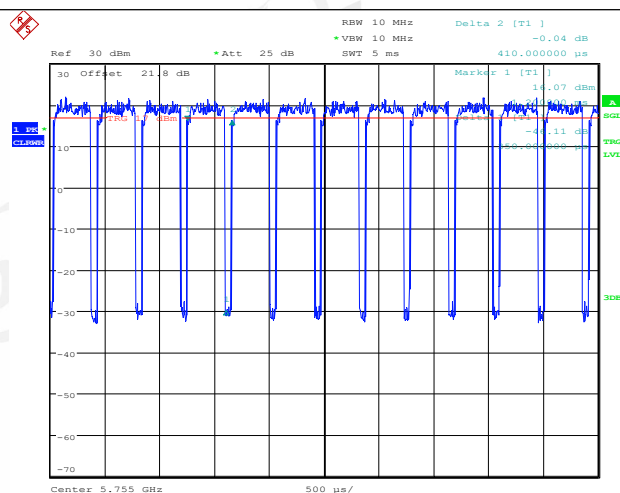
11N40MIMO_Ant1_5710



Date: 20.FEB.2024 14:30:39

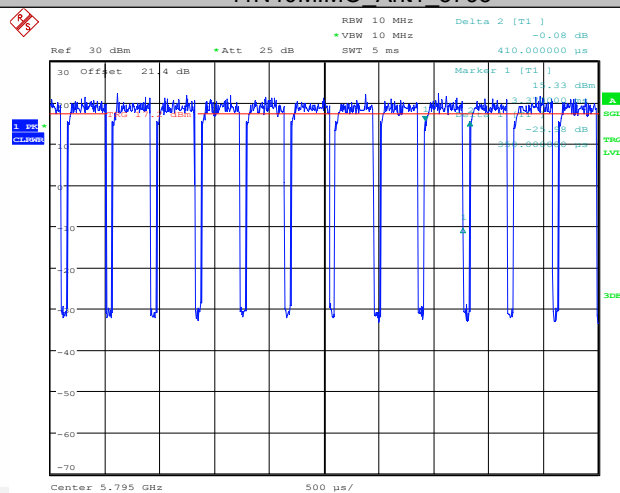
Date: 25.JAN.2024 19:53:34

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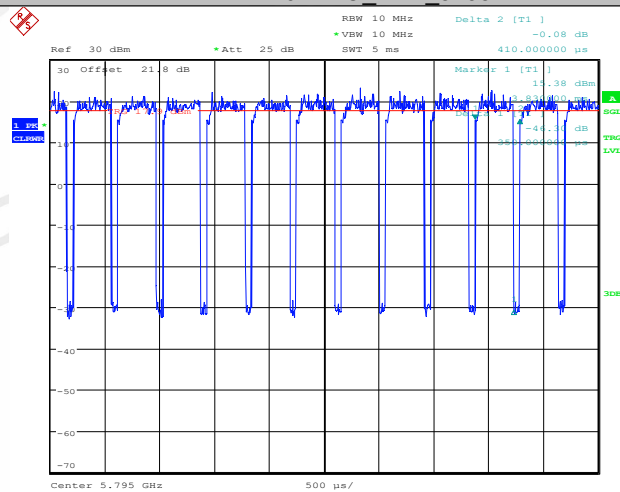
Date: 25.JAN.2024 19:56:27

11N40MIMO Ant1 5795



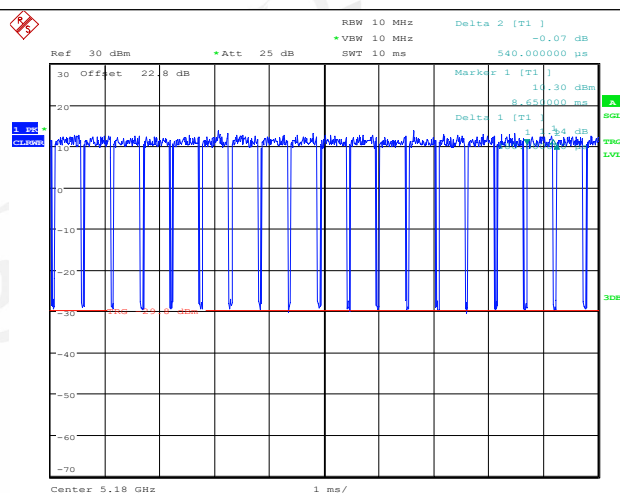
Date: 25.JAN.2024 19:59:35

11N40MIMO_Ant2_5795



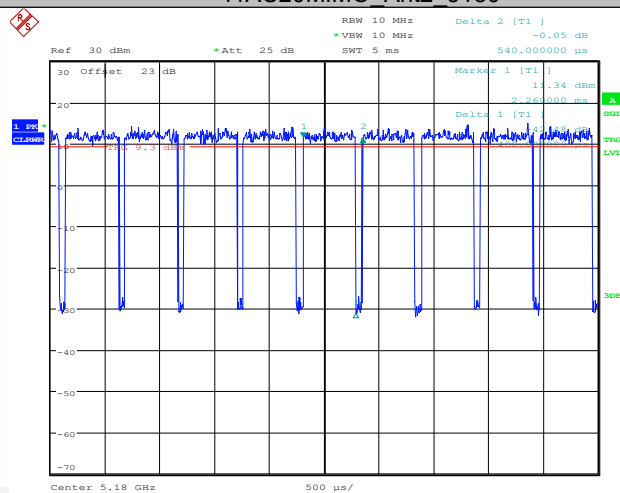
Date: 25.JAN.2024 20:04:09

11AC20MIMO_Ant1_5180



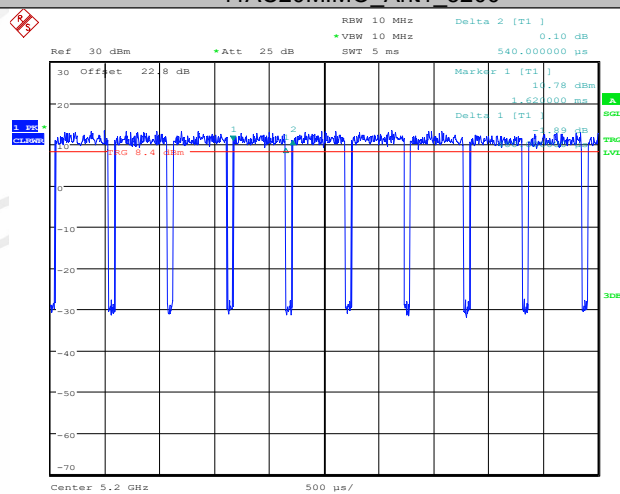
Date: 26.JAN.2024 15:17:22

11AC20MIMO Ant2 5180



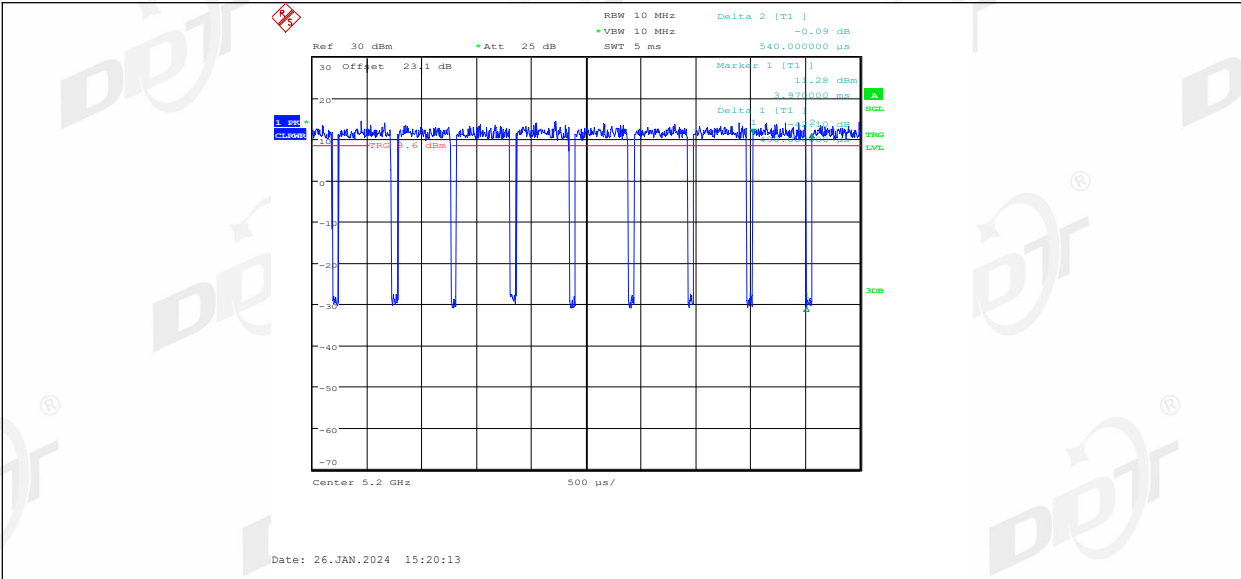
Date: 26.JAN.2024 15:18:15

11AC20MIMO Ant1 5200

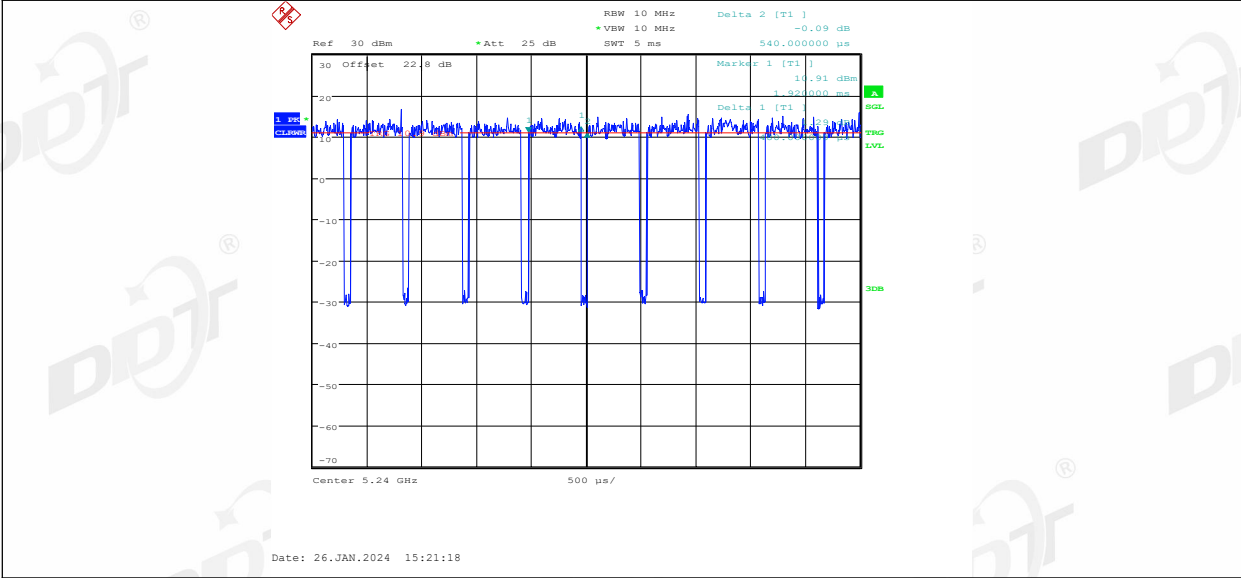


Date: 26.JAN.2024 15:19:20

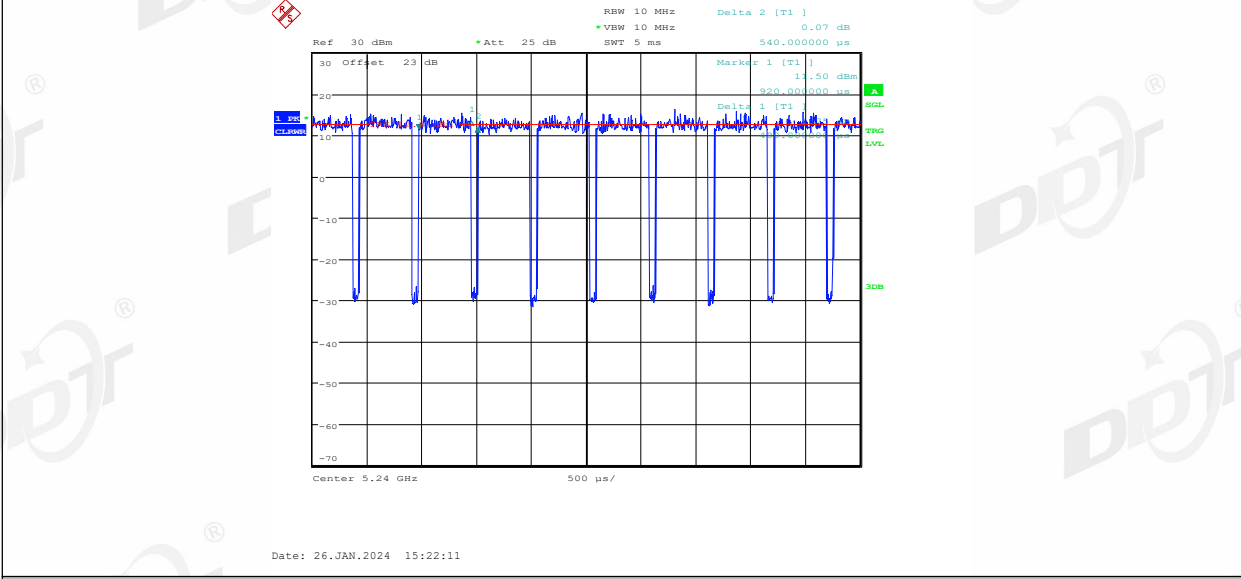
11AC20MIMO Ant2 5200



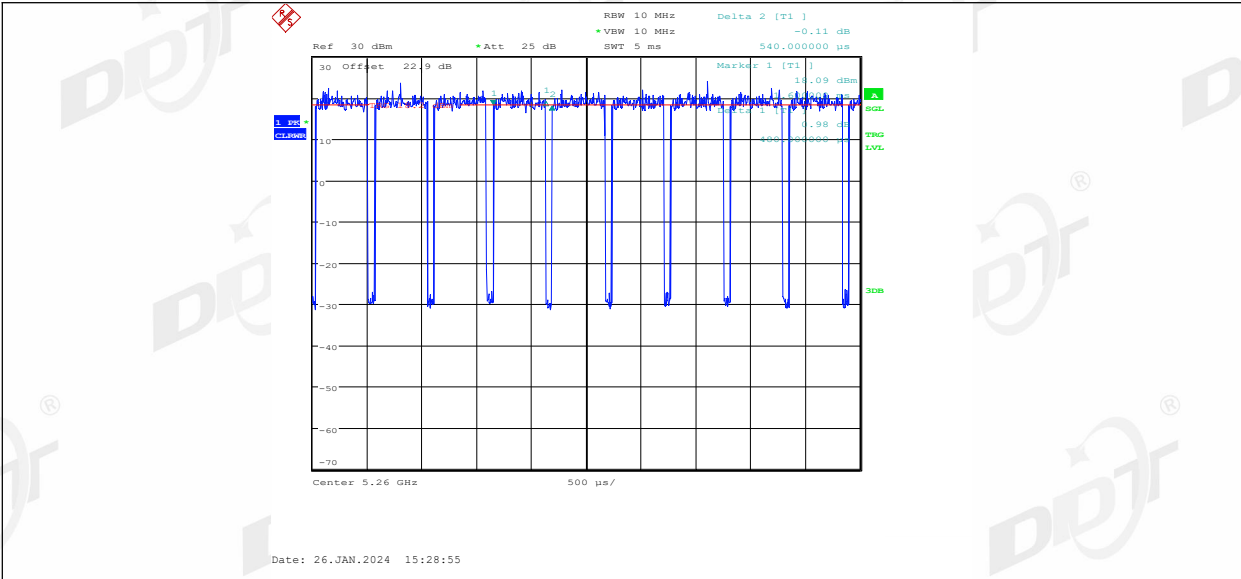
11AC20MIMO Ant1 5240



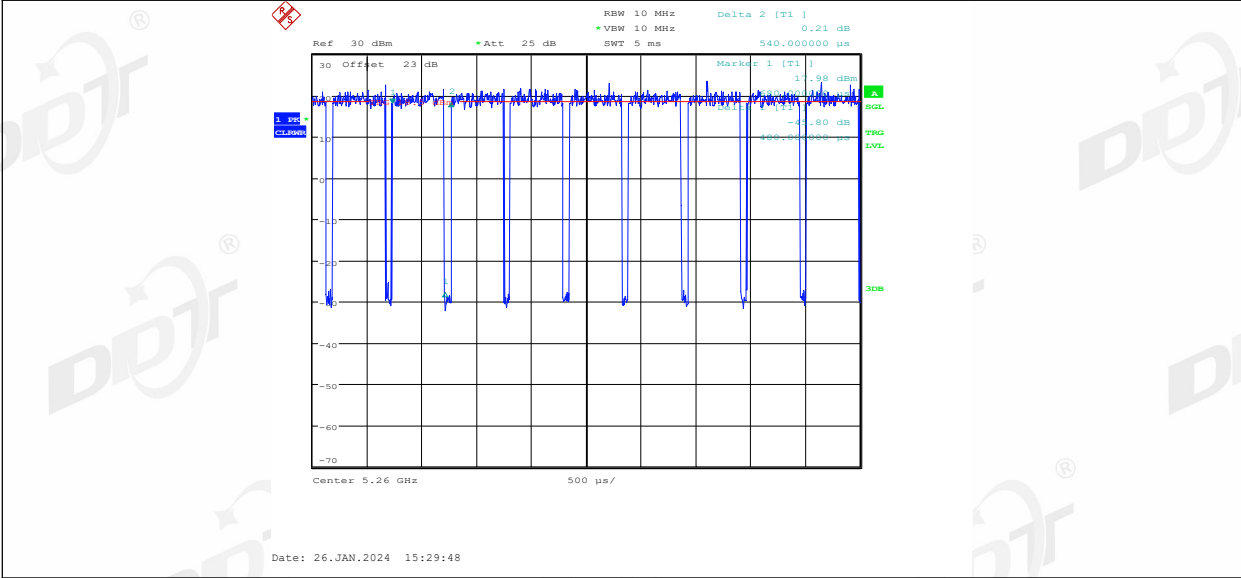
11AC20MIMO Ant2 5240



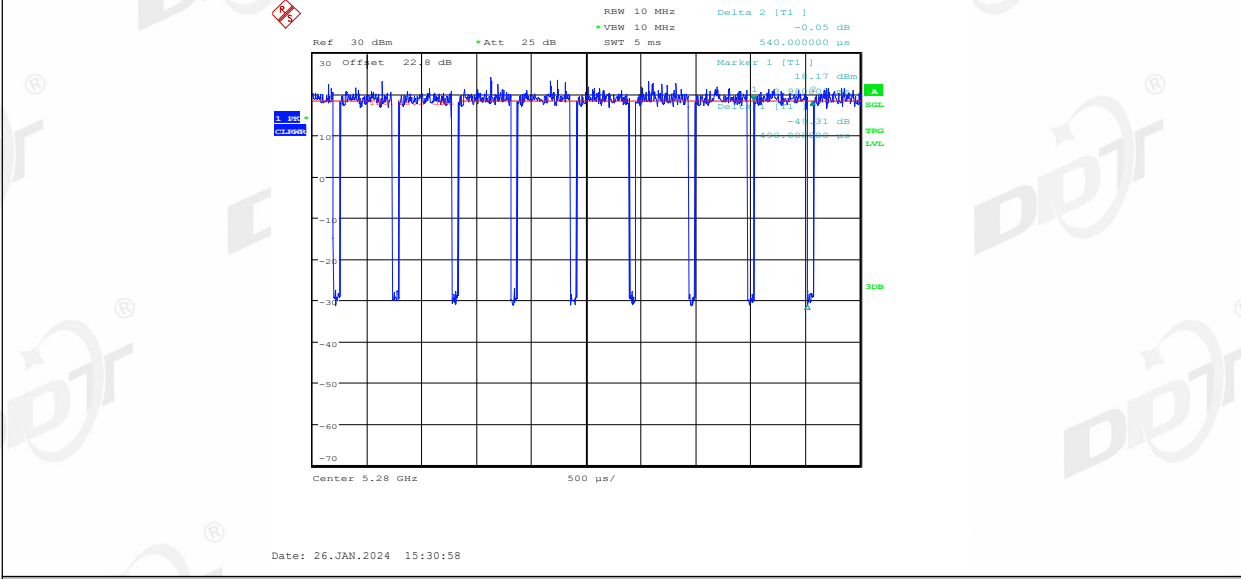
11AC20MIMO Ant1 5260



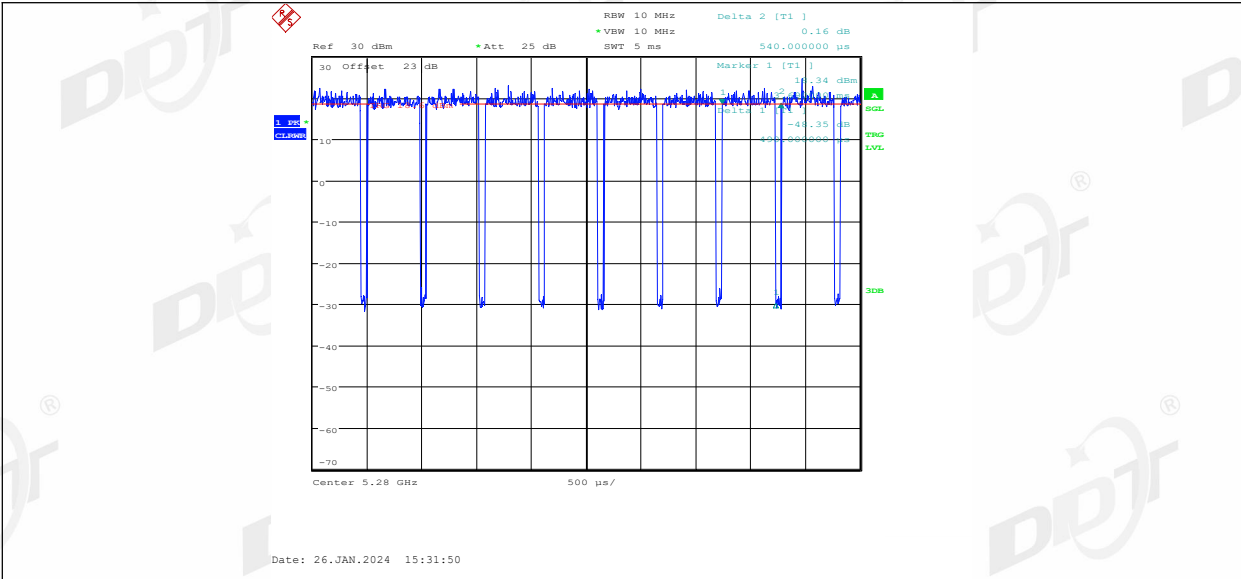
11AC20MIMO_Ant2_5260



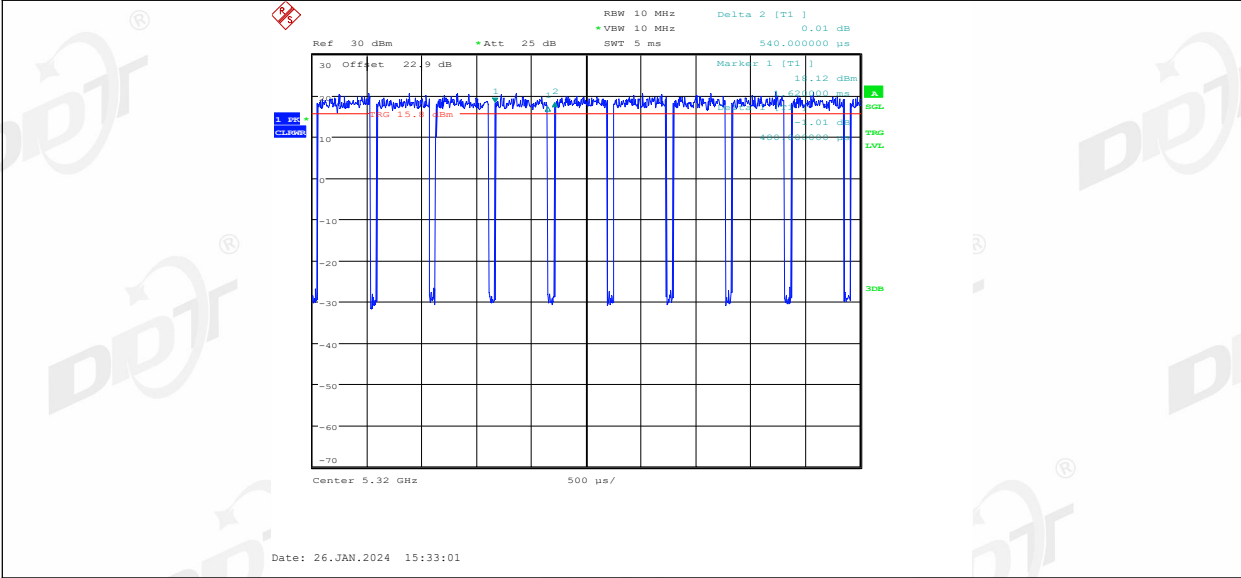
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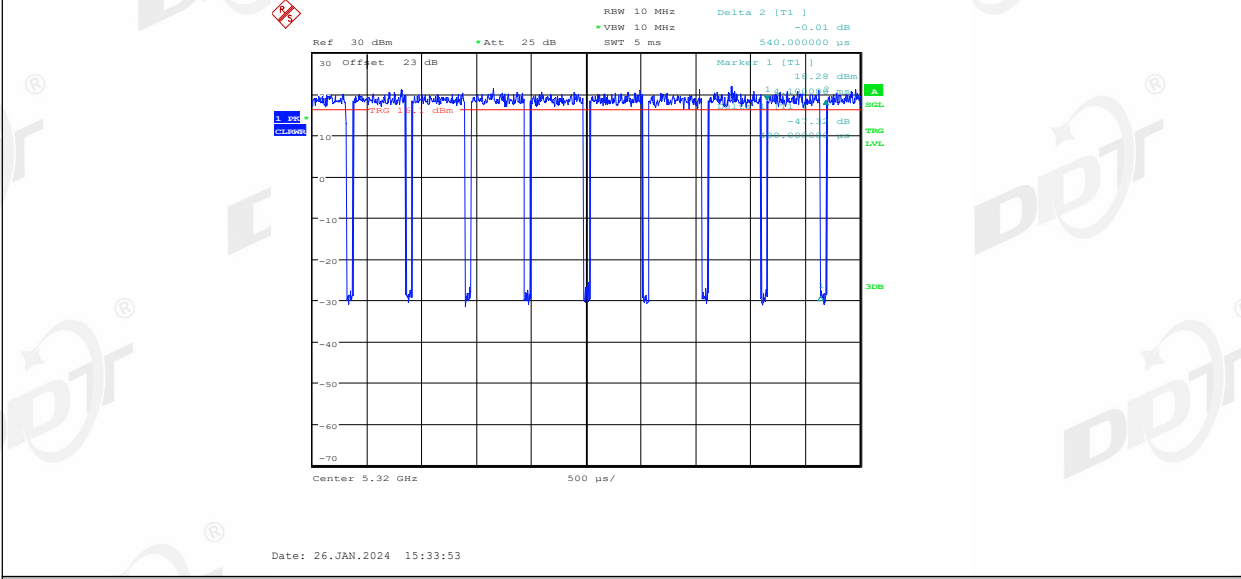
11AC20MIMO_Ant2_5280



11AC20MIMO_Ant1_5320



11AC20MIMO_Ant2_5320



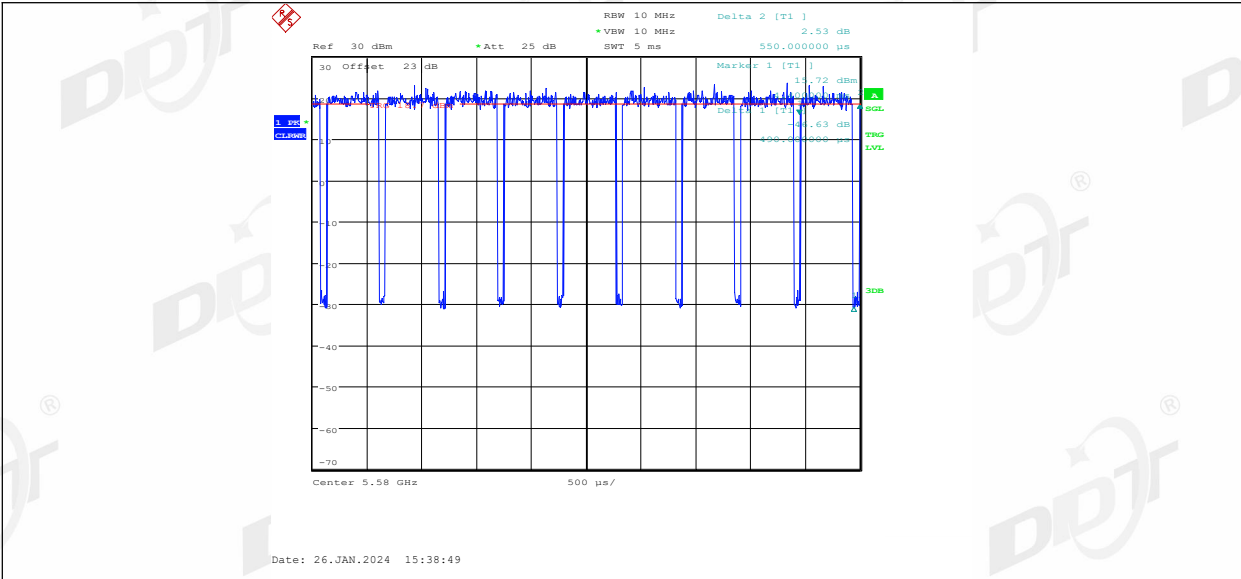
11AC20MIMO_Ant1_5500



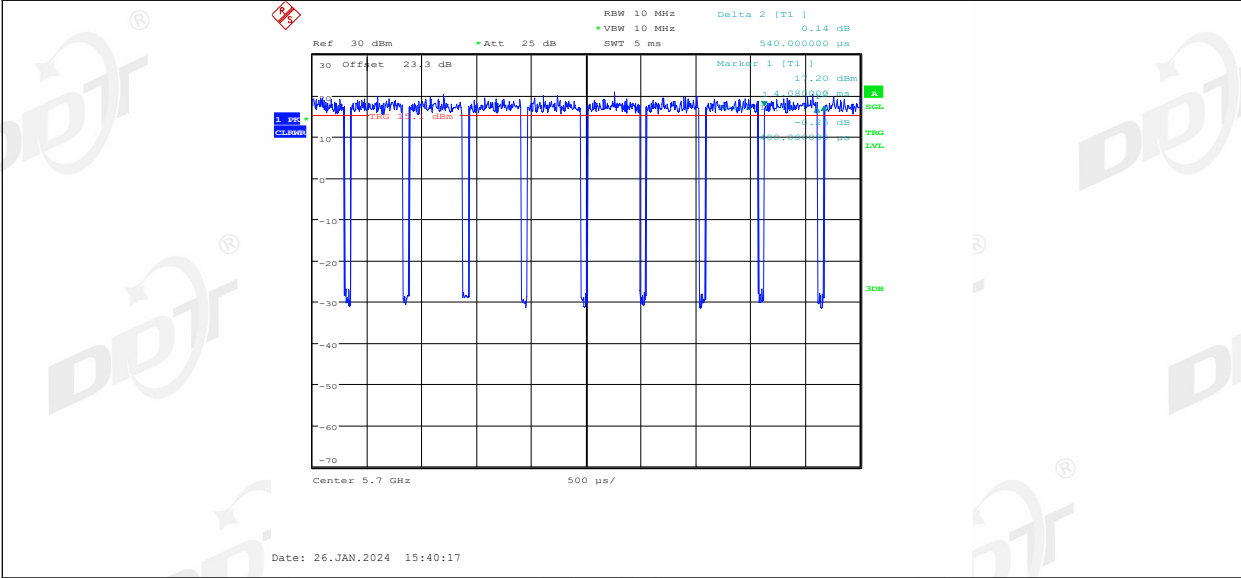
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Date: 26.JAN.2024 15:37:57

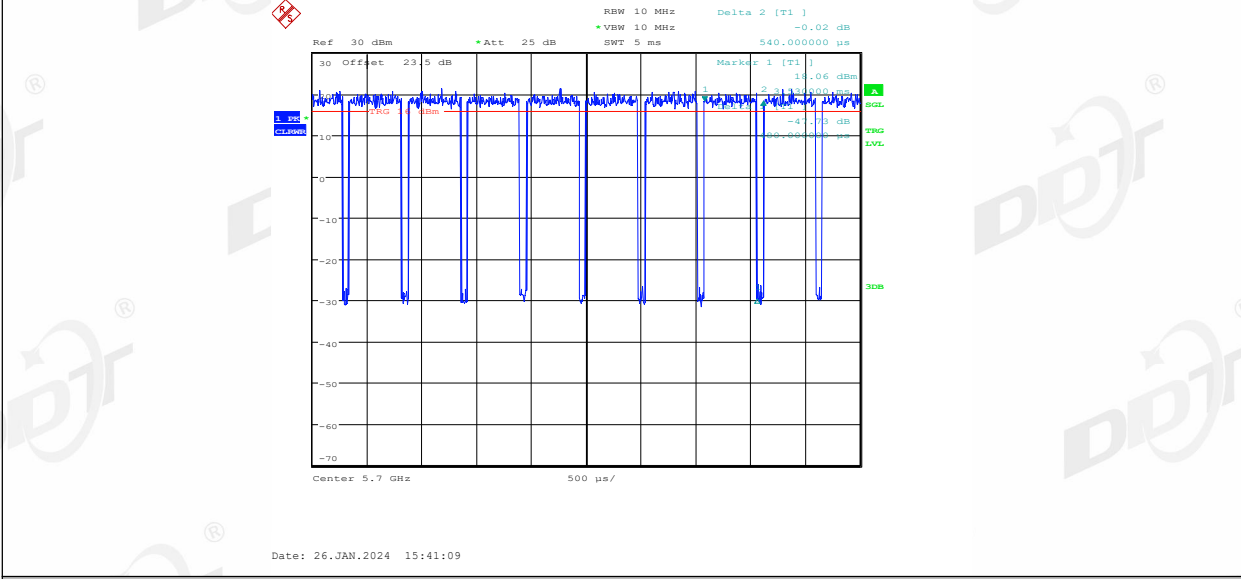
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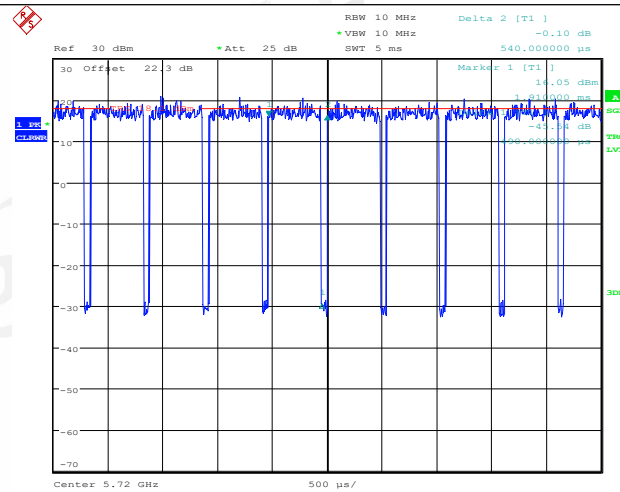
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11AC20MIMO_Ant2_5700

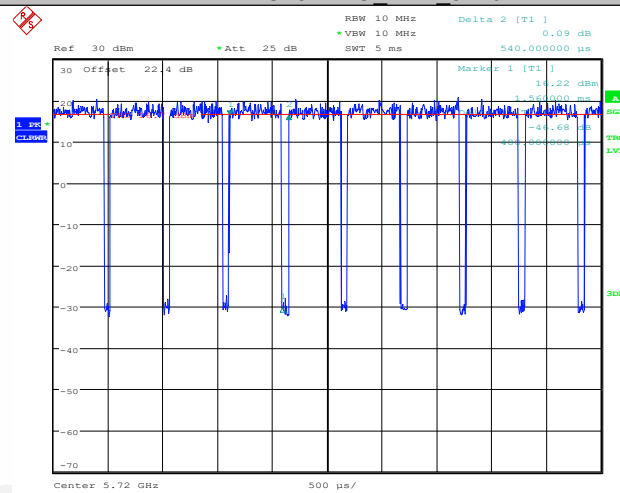


11AC20MIMO_Ant1_5720



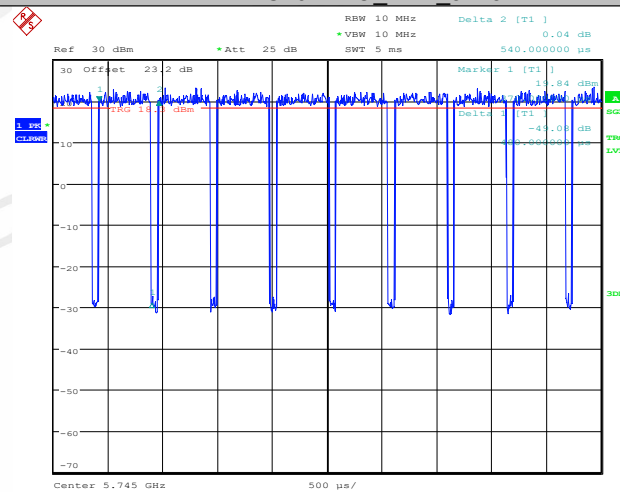
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11AC20MIMO_Ant2_5720



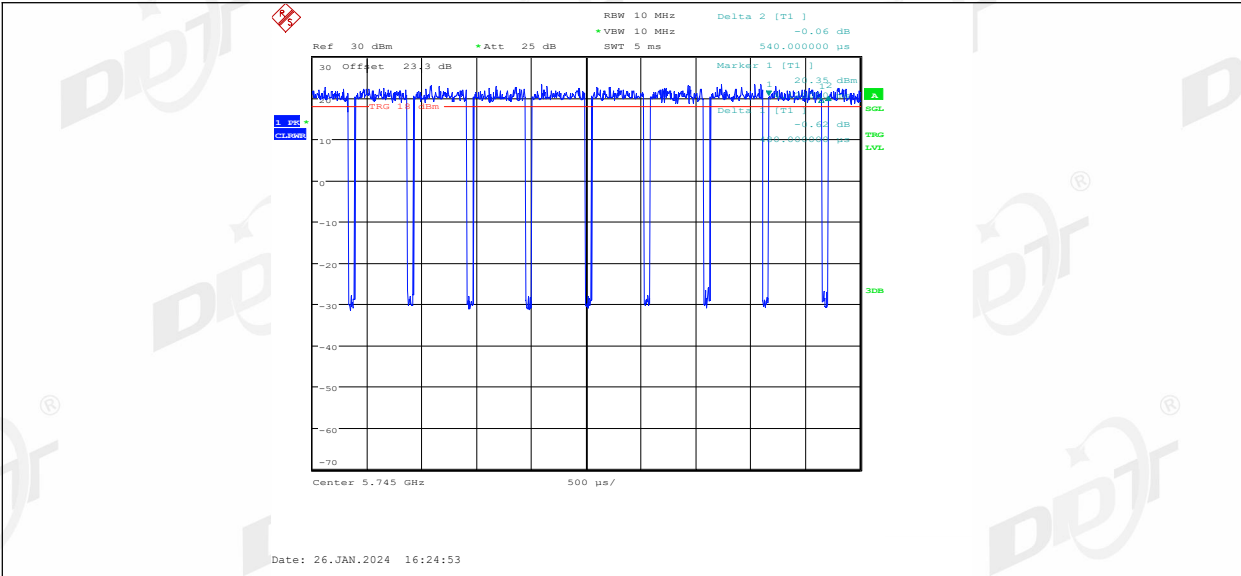
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11AC20MIMO_Ant1_5745

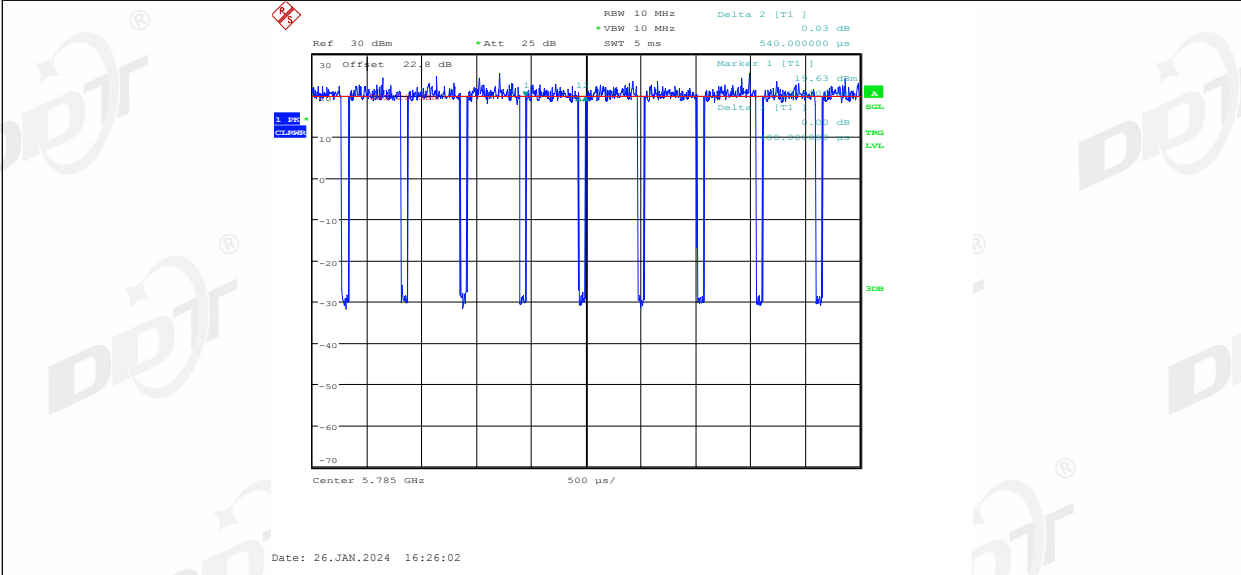


Date: 26.JAN.2024 16:24:01

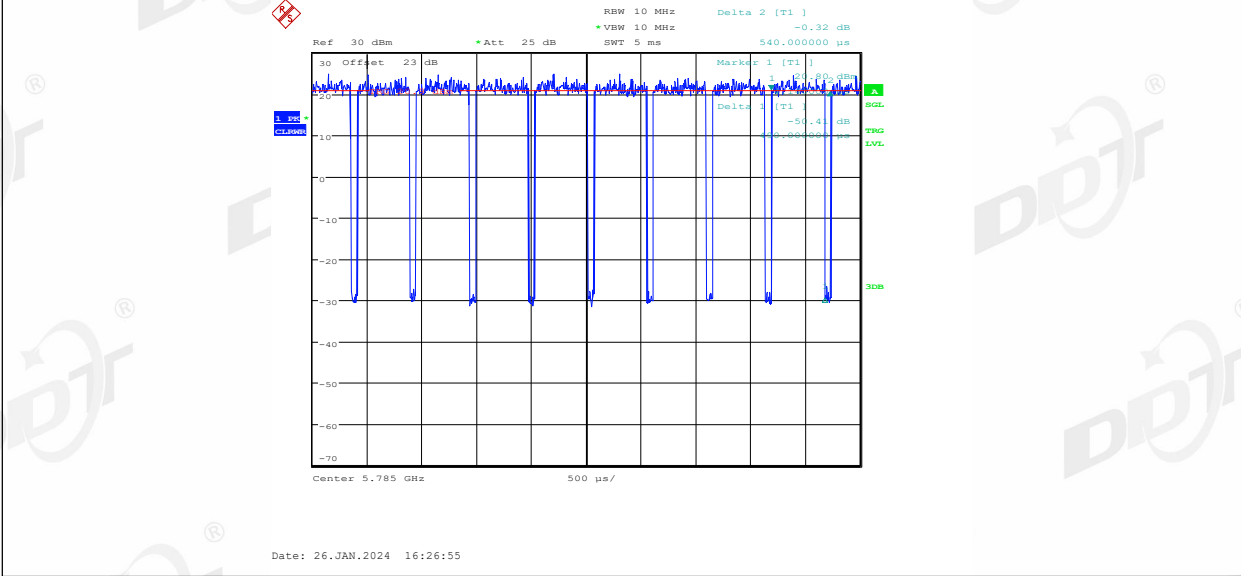
11AC20MIMO_Ant2_5745



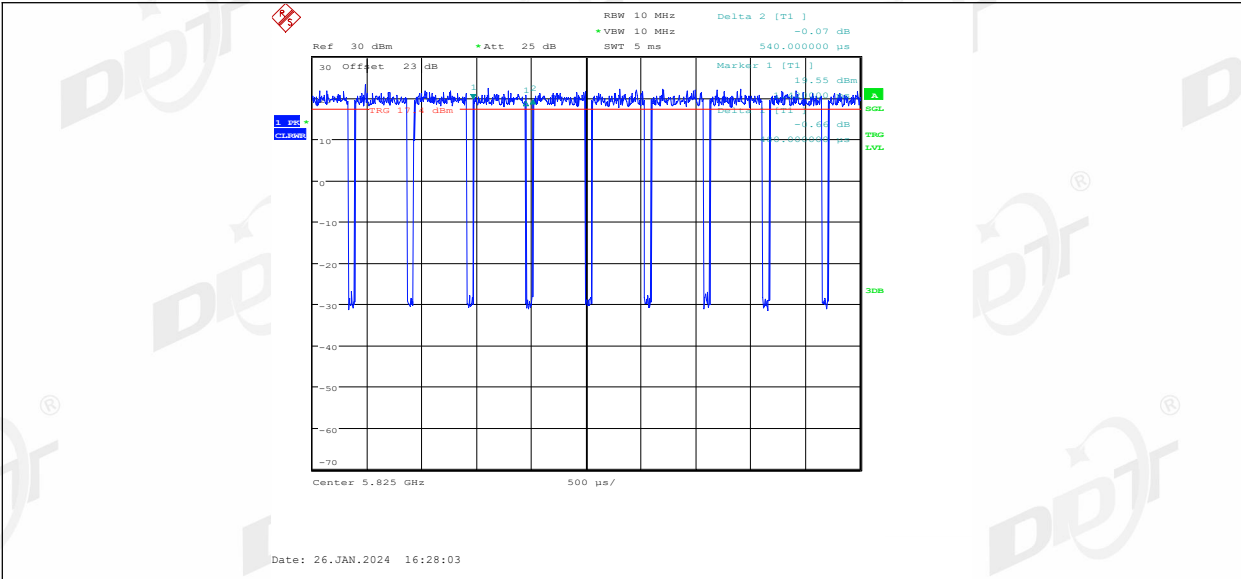
11AC20MIMO Ant1 5785



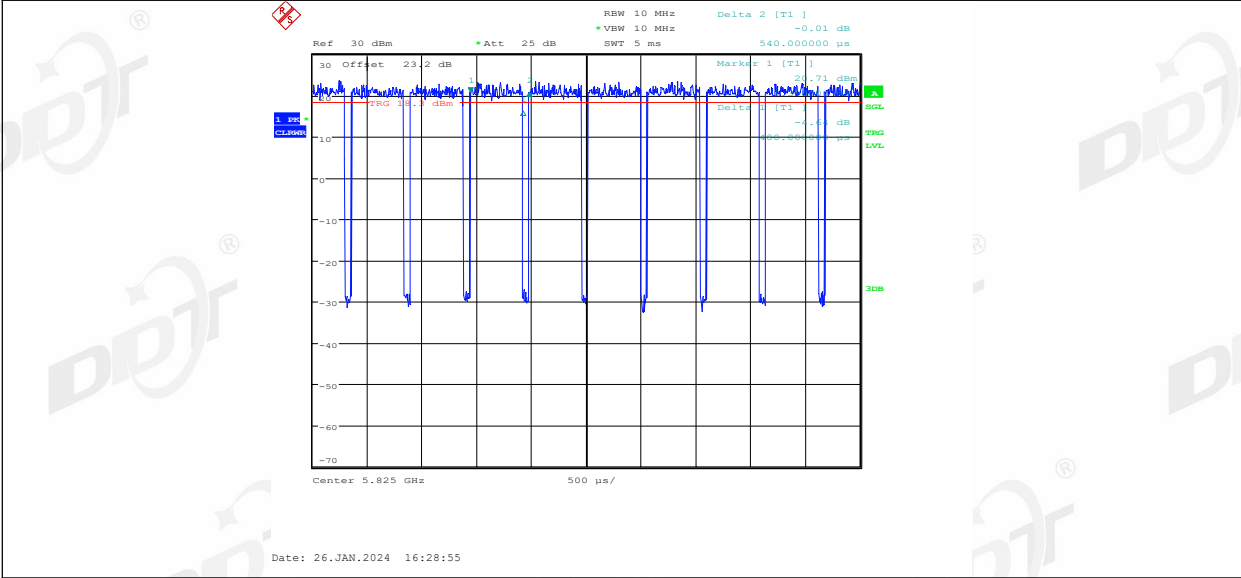
11AC20MIMO Ant2 5785



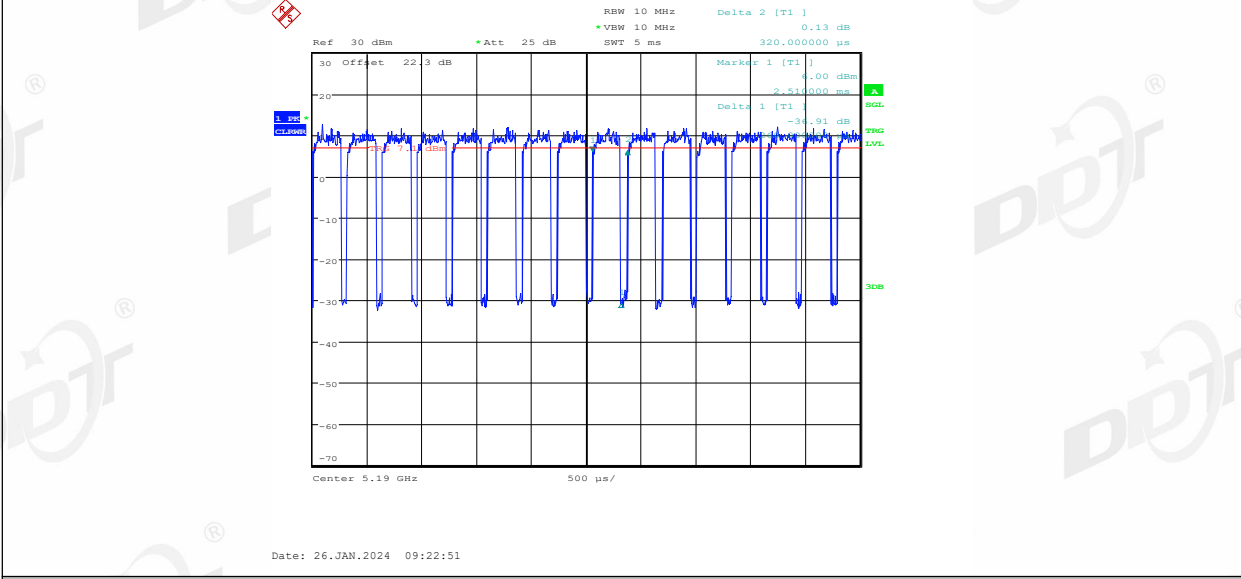
11AC20MIMO Ant1 5825



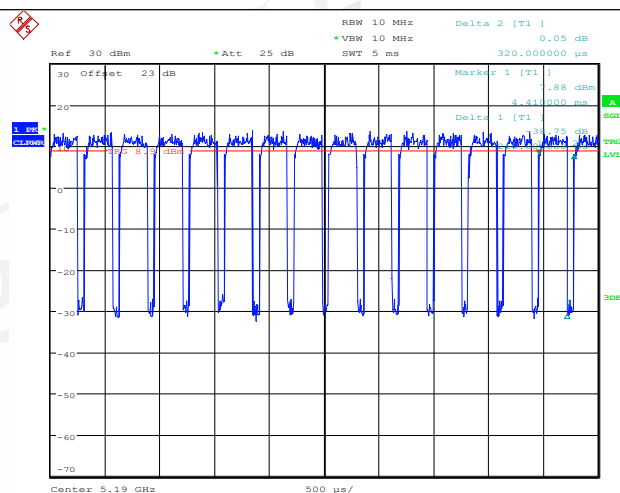
11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5190

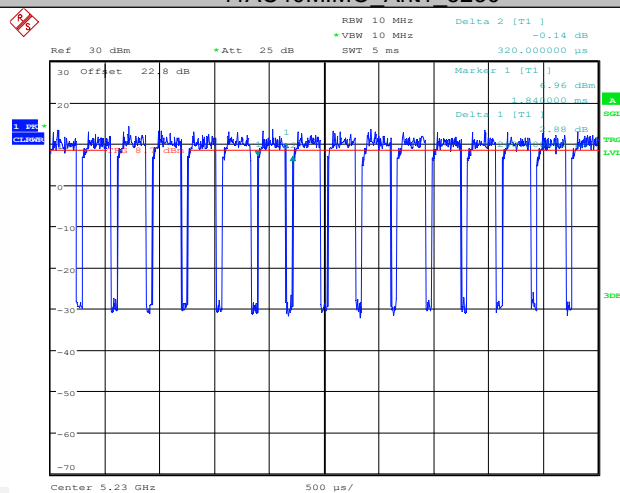


11AC40MIMO_Ant2_5190



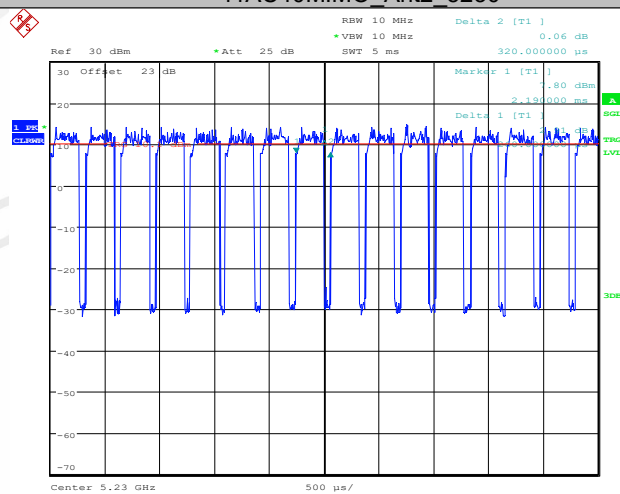
Date: 26.JAN.2024 09:25:58

11AC40MIMO Ant1 5230



Date: 26.JAN.2024 09:27:51

11AC40MIMO_Ant2_5230



Date: 26.JAN.2024 09:29:26

11AC40MIMO Ant1 5270



RBW 10 MHz Delta 2 [T1] -0.08 dB
VBW 10 MHz
SWT 5 ms 320.000000 μ s

Ref 30 dBm Att 25 dB

30 Offset 23 dB

Marker 1 [T1] 1.46 dBm

Signal 3dB LVL

Center 5.27 GHz 500 μ s/

Date: 26.JAN.2024 09:33:12

RBW 10 MHz Delta 2 [T1] -0.02 dB
 VBW 10 MHz 320.000000 μs
 Ref 30 dBm Att 25 dB
 Marker 1 [T1] 14.22 dBm 3.750000 ms 45.13 dB 166.130000 μs
 Center 5.31 GHz 500 μs/

Date: 26.JAN.2024 09:35:18

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Date: 26.JAN.2024 09:38:51

Date: 26.JAN.2024 09:40:25

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STOP

RBW 10 MHz Delta 2 [T1] -0.19 dB
VBW 10 MHz
SWF 5 ms 320.000000 μ s

Ref 30 dBm *Att 25 dB

30 Offset 23 dB

Marker 1 [T1] 1.000000 μ s

Center 5.55 GHz 500 us/

Date: 26.JAN.2024 09:44:14

RBW 10 MHz Delta 2 [T1]
 VBW 10 MHz 0.00 dB
 SWF 5 ms 320.000000 μs

Ref 30 dBm *Att 25 dB

30 Offset 23 dB

Marker 1 [T1]
 1.182 dBm
 2.240000 μs

Center 5.67 GHz 500. μs/

Date: 26.JAN.2024 09:46:44

11AC40MIMO Ant2 5670

[illegible]

Date: 20.FEB.2024 14:40:09

RBW 10 MHz Delta 2 [T1]
 VBW 10 MHz 0.04 dB
 SWF 5 ms 320.000000 μs

Ref 30 dBm *Att 25 dB

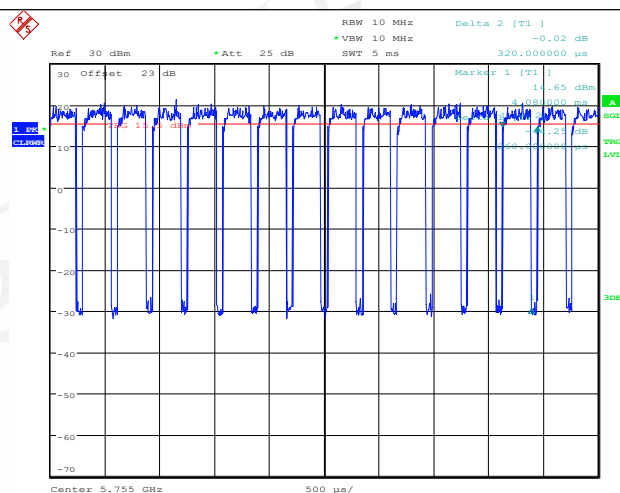
30 Offset 22.5 dB

Marker 1 [T1]
 10.29 dBm
 5.71 GHz

Center 5.71 GHz 500 Hz/

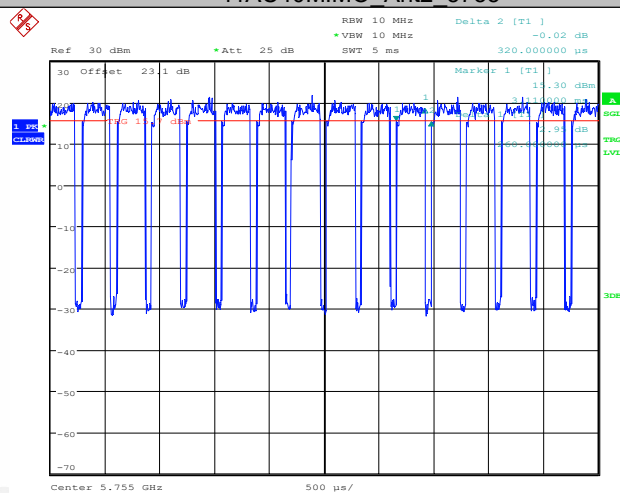
Date: 20.FEB.2024 14:42:13

11AC40MIMO Ant1 5755



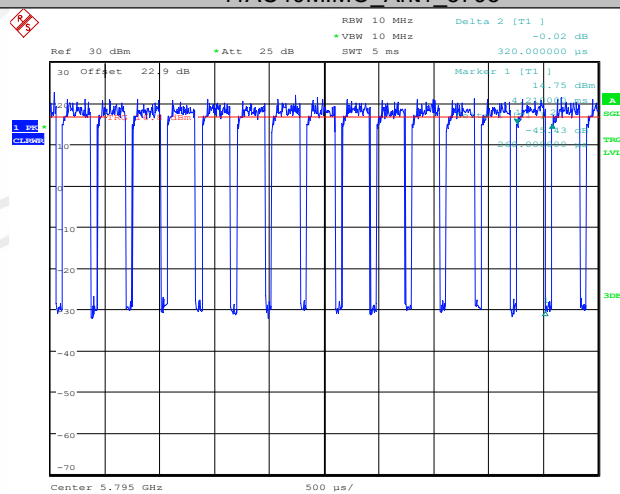
Date: 26.JAN.2024 09:51:58

11AC40MIMO Ant2 5755



Date: 26.JAN.2024 09:53:47

11AC40MIMO_Ant1_5795



Date: 26.JAN.2024 09:55:52

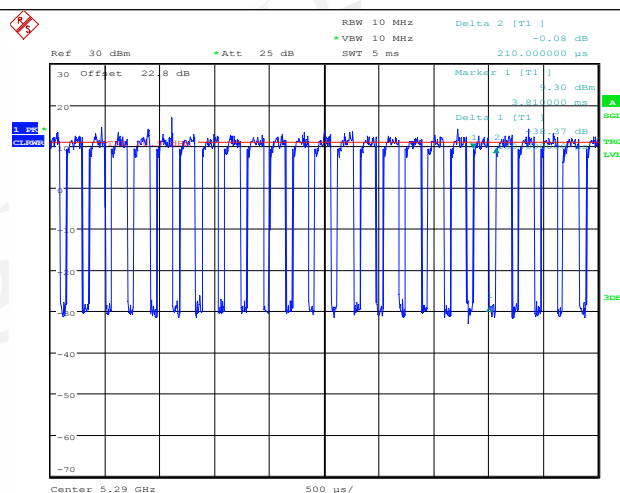
11AC40MIMO_Ant2_5795



Date: 26.JAN.2024 10:00:29

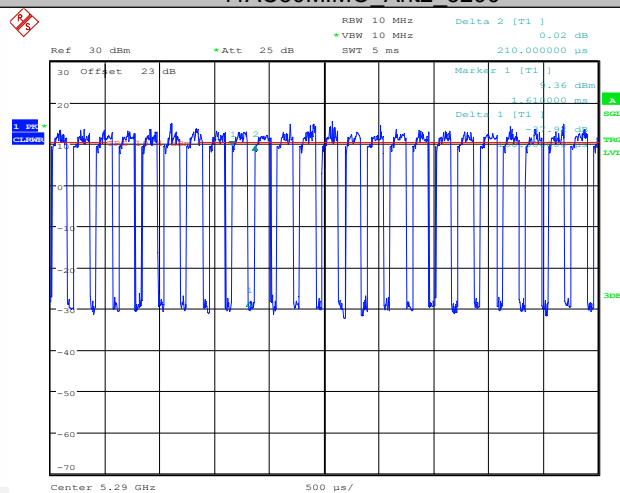
Date: 26.JAN.2024 10:03:08

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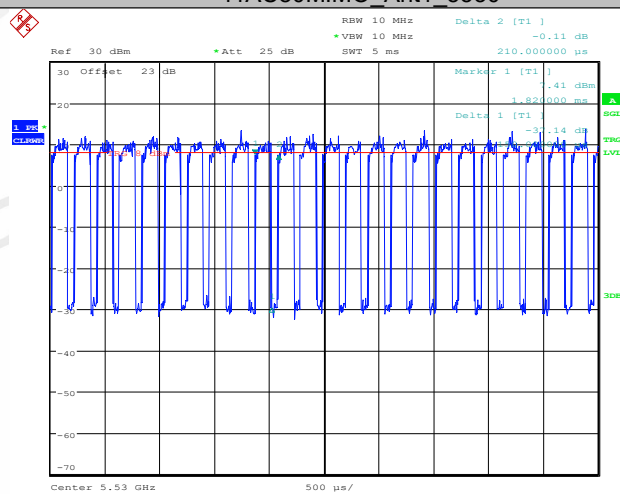
Date: 26.JAN.2024 10:06:46

11AC80MIMO Ant2 5290



Date: 26.JAN.2024 10:09:27

11AC80MIMO Ant1 5530



Date: 26.JAN.2024 15:12:34

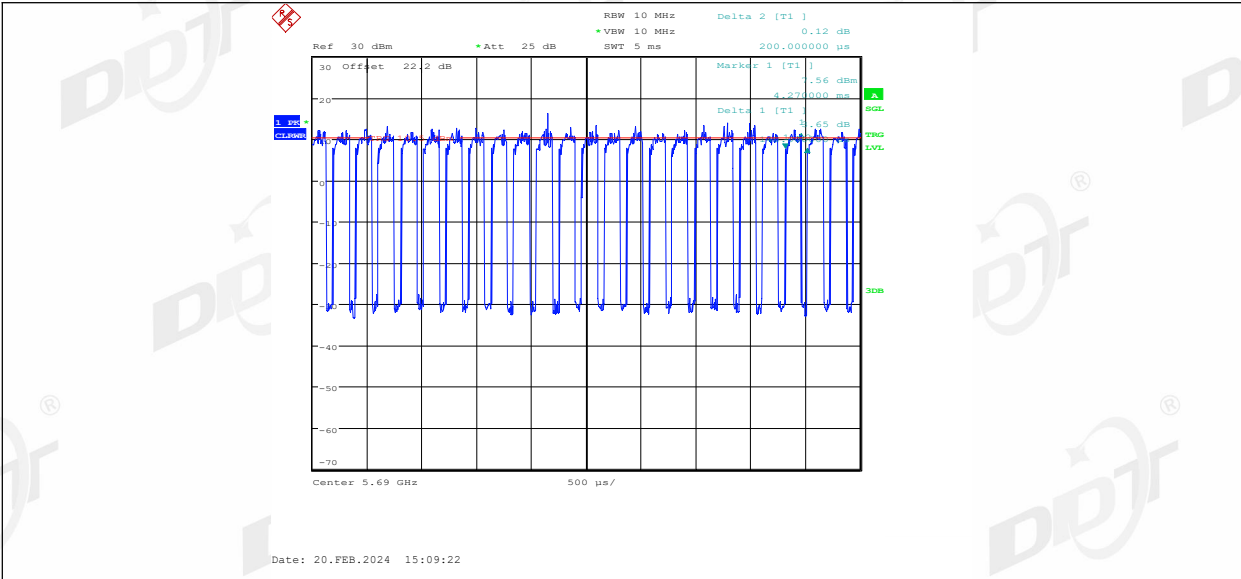
11AC80MIMO Ant2 5530



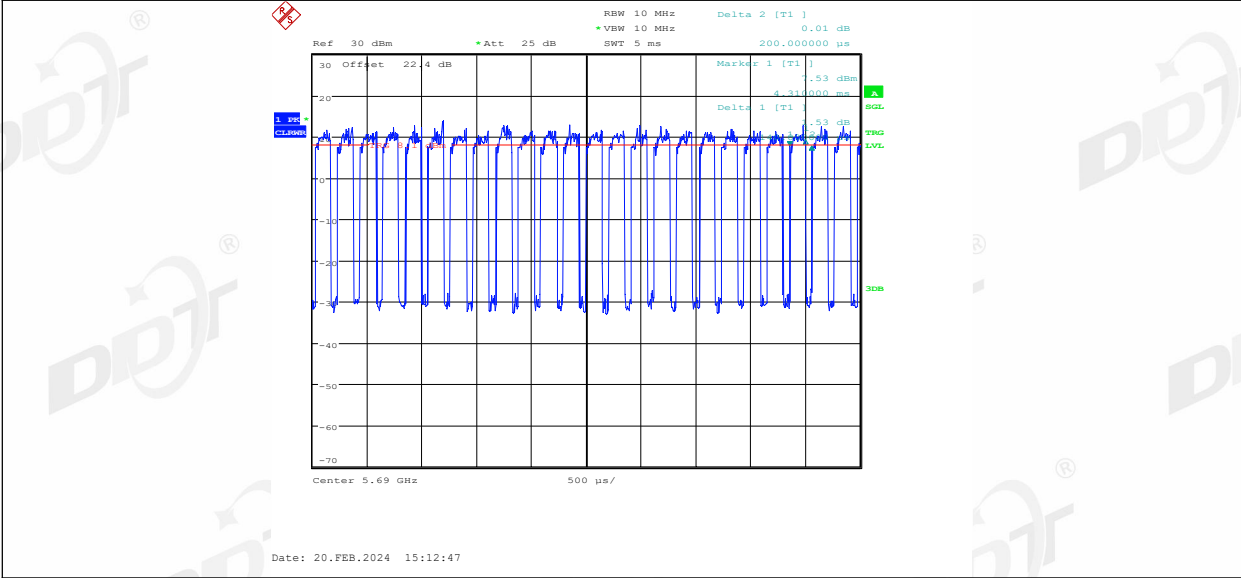
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Date: 26.JAN.2024 10:23:59

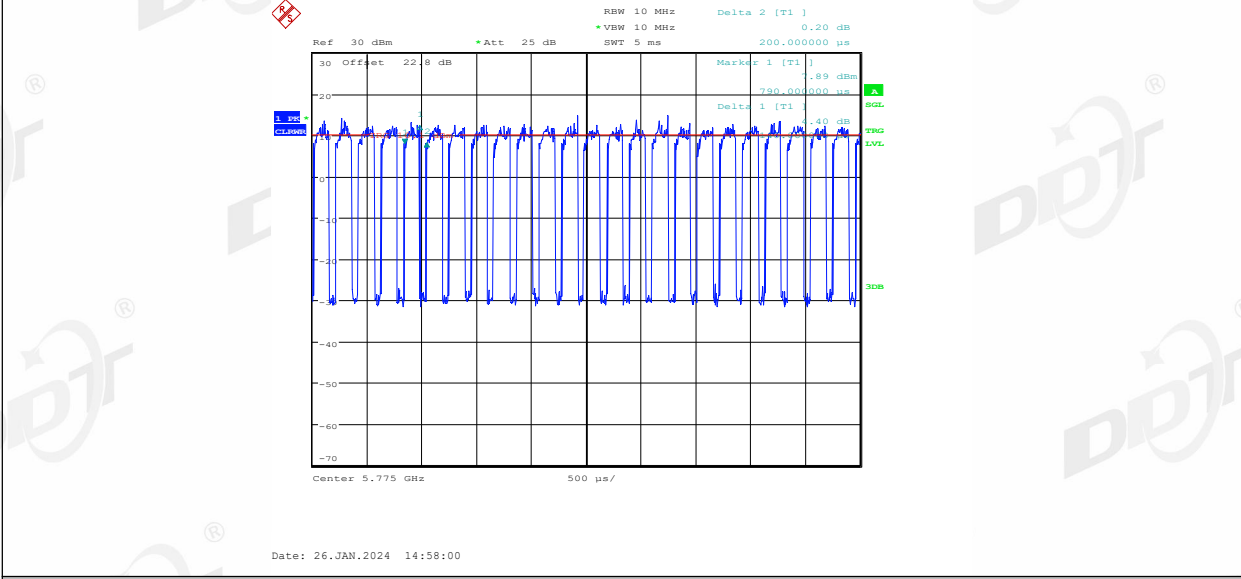
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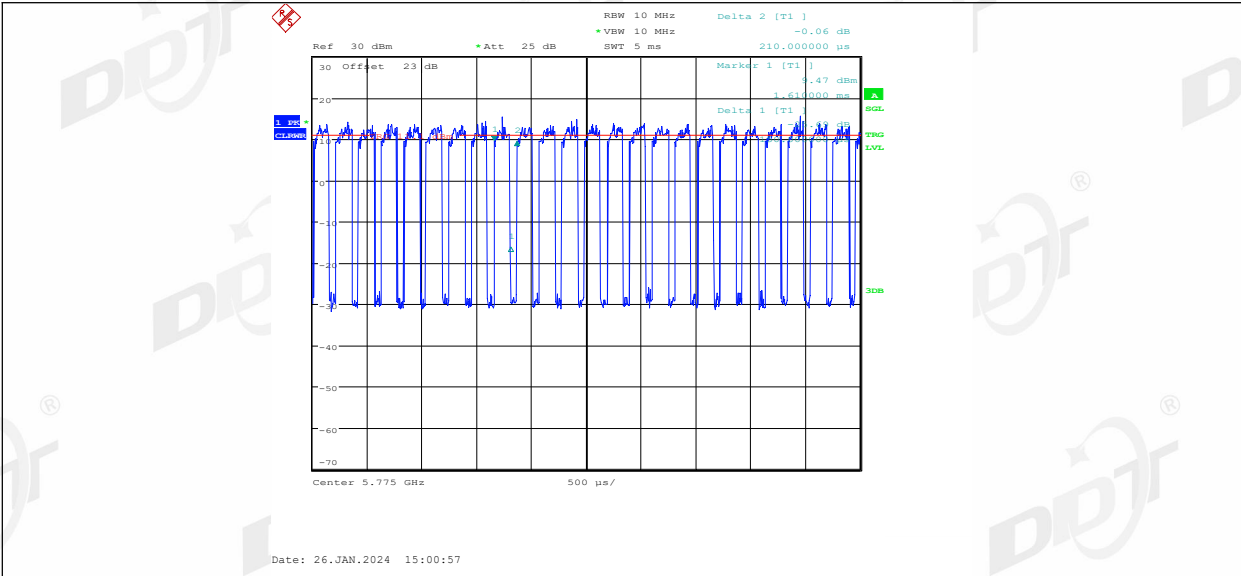
11AC80MIMO_Ant2_5690



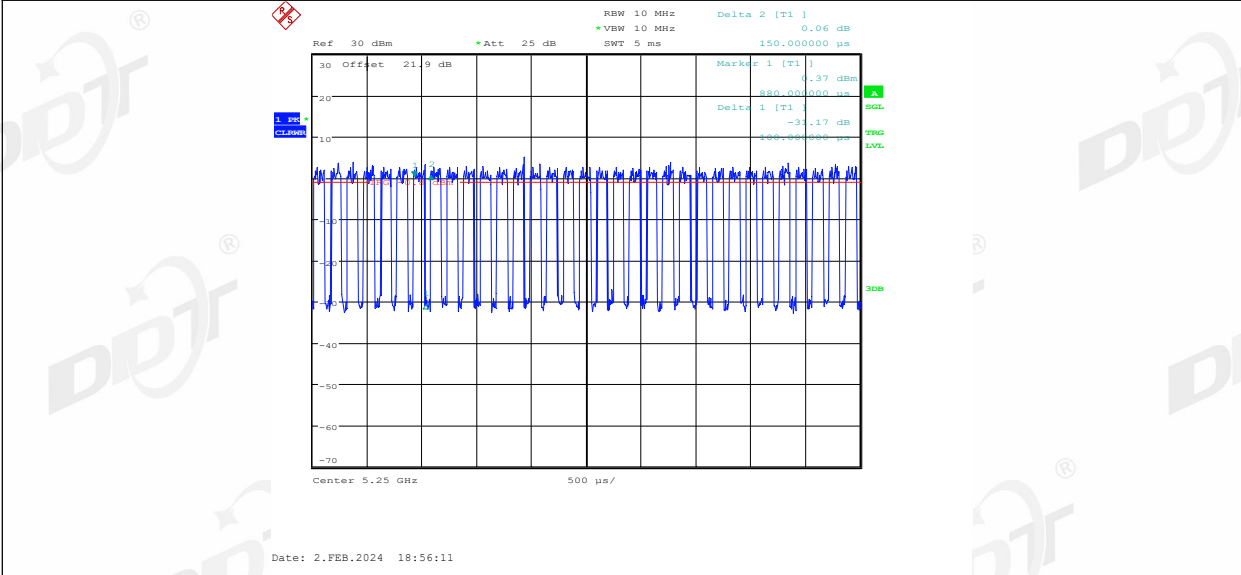
11AC80MIMO_Ant1_5775



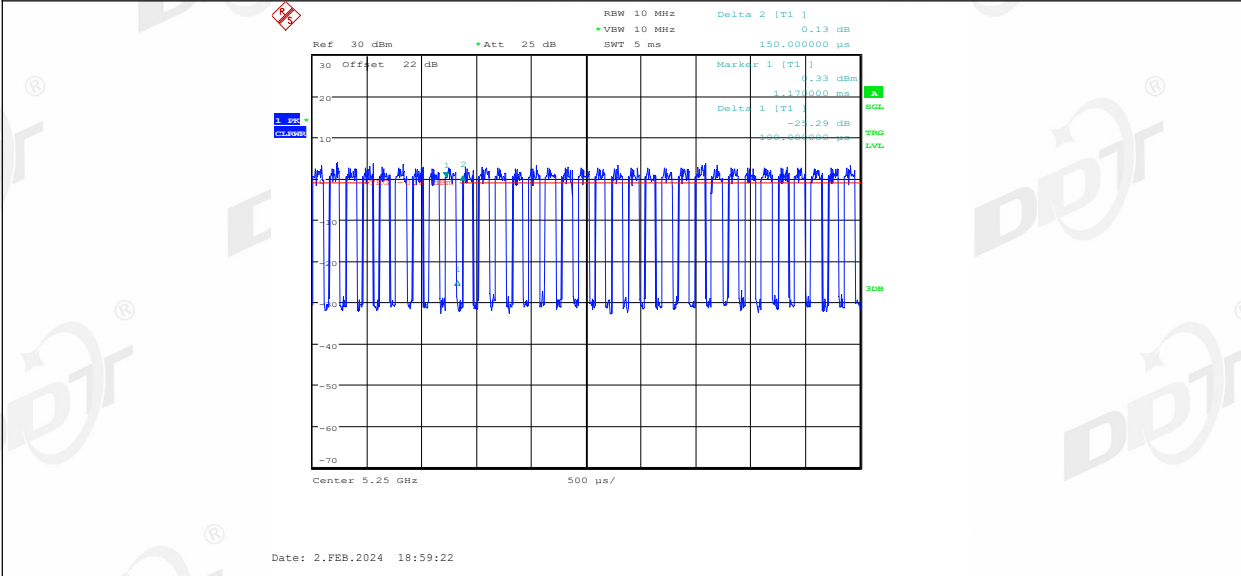
11AC80MIMO_Ant2_5775



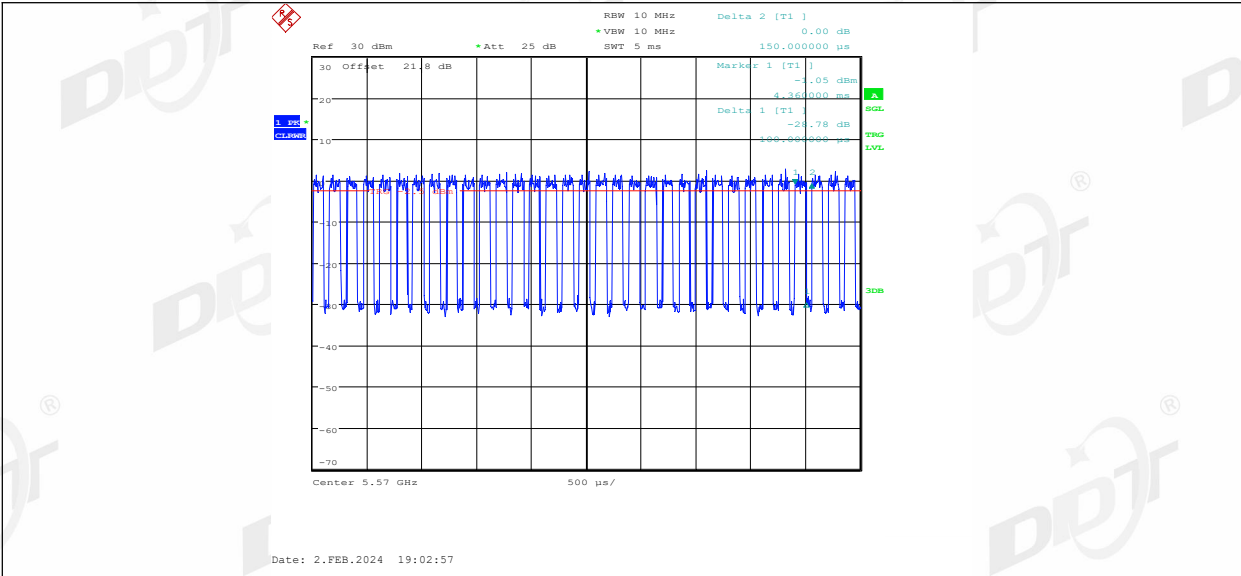
11AC160MIMO_Ant1_5250



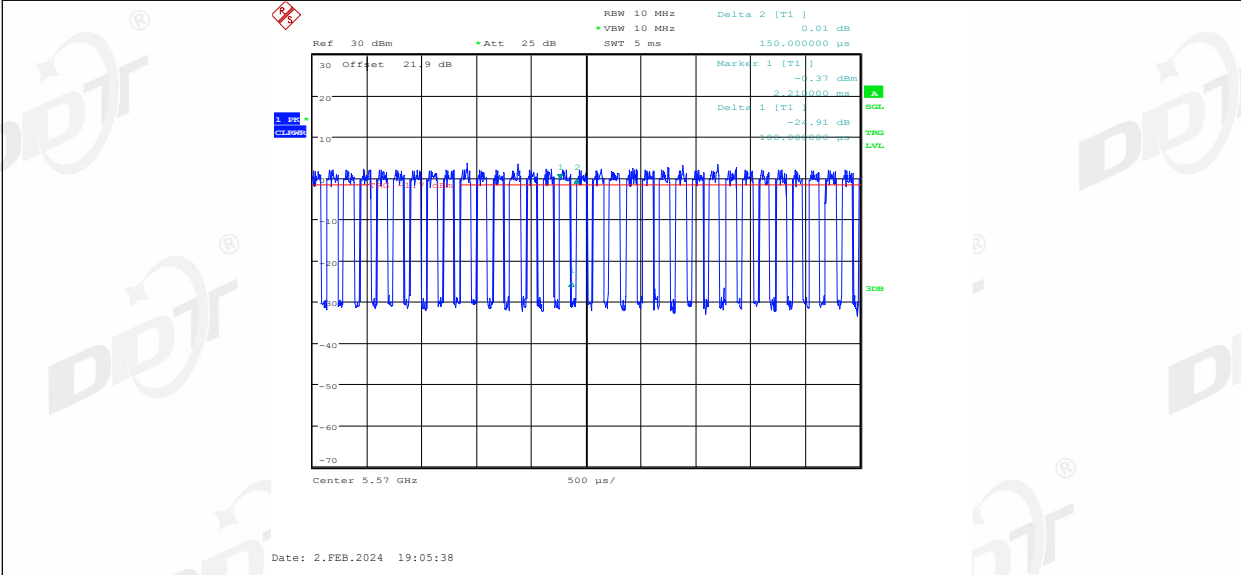
11AC160MIMO_Ant2_5250



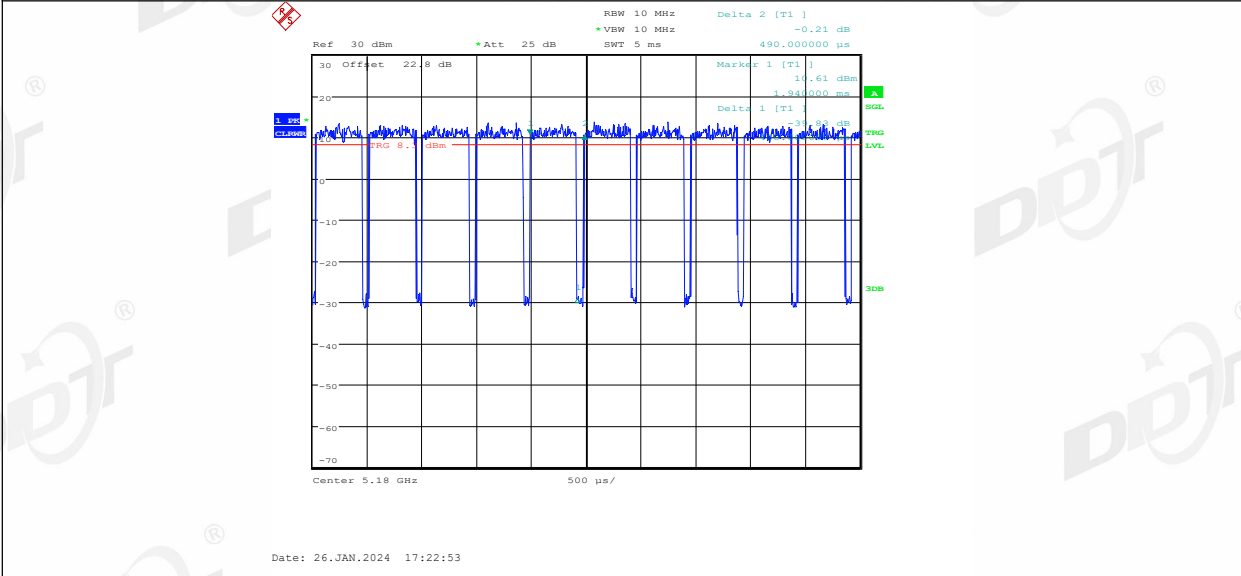
11AC160MIMO_Ant1_5570



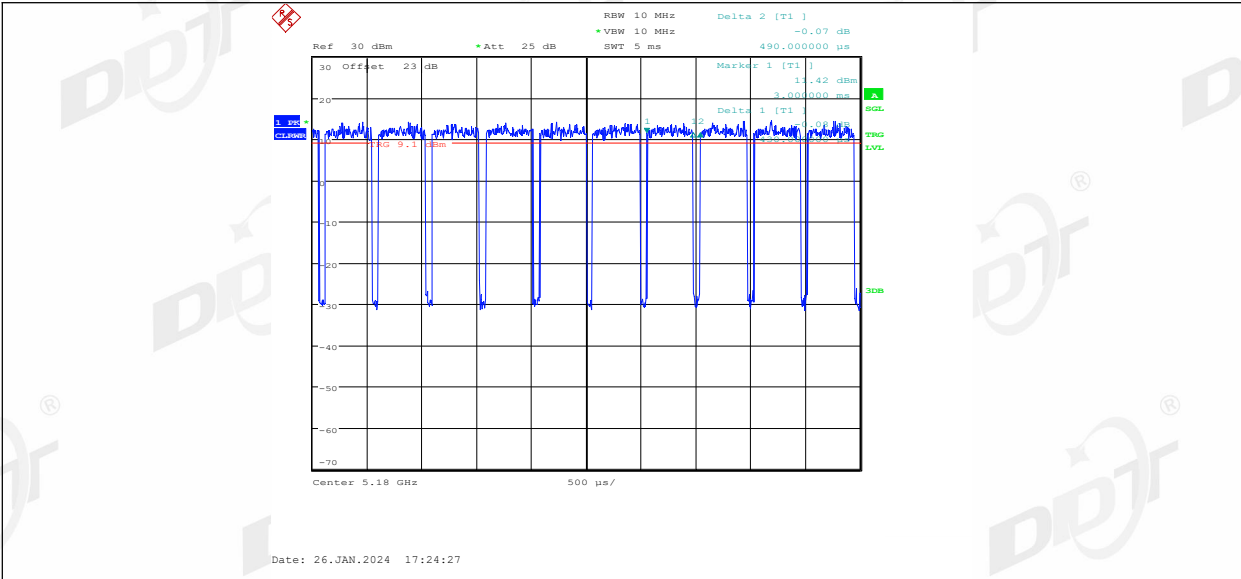
11AC160MIMO_Ant2_5570



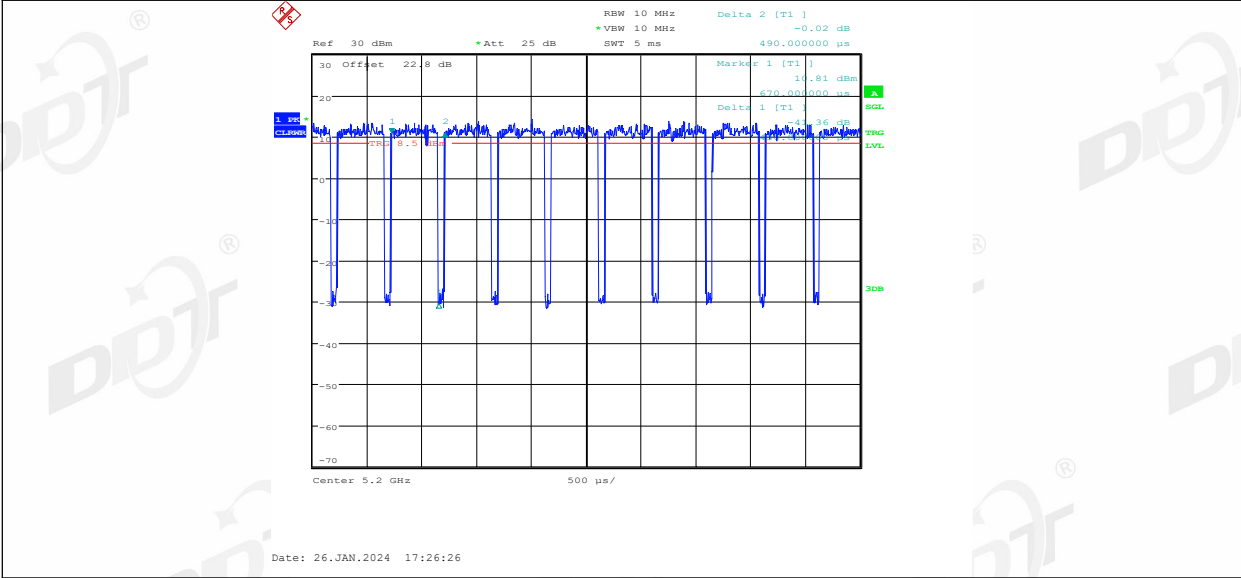
11AX20MIMO_Ant1_5180



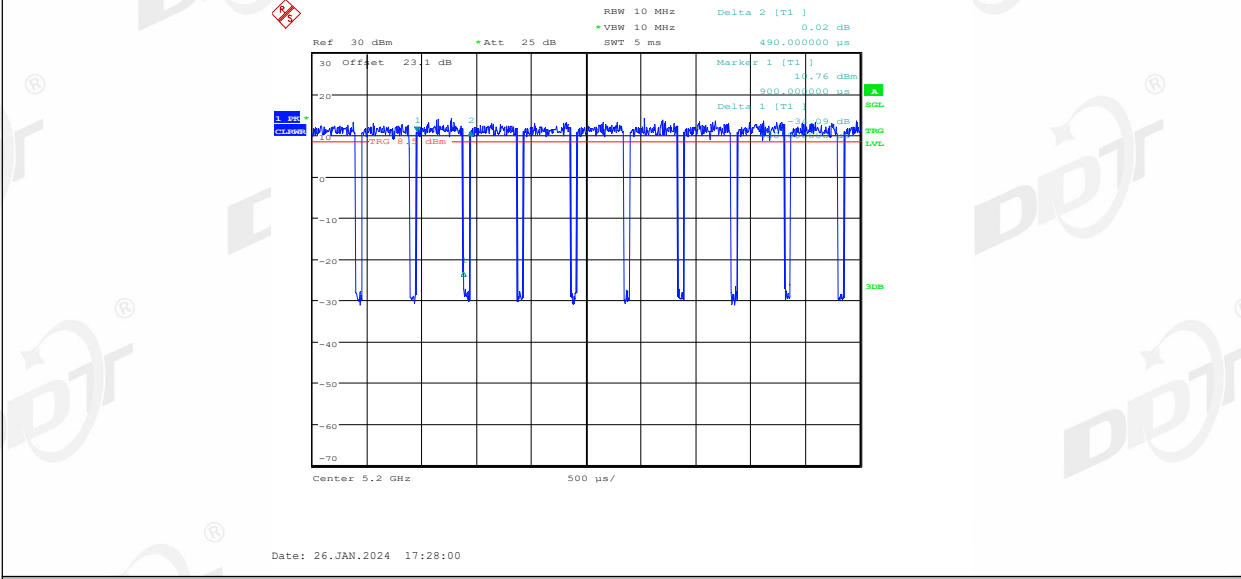
11AX20MIMO_Ant2_5180



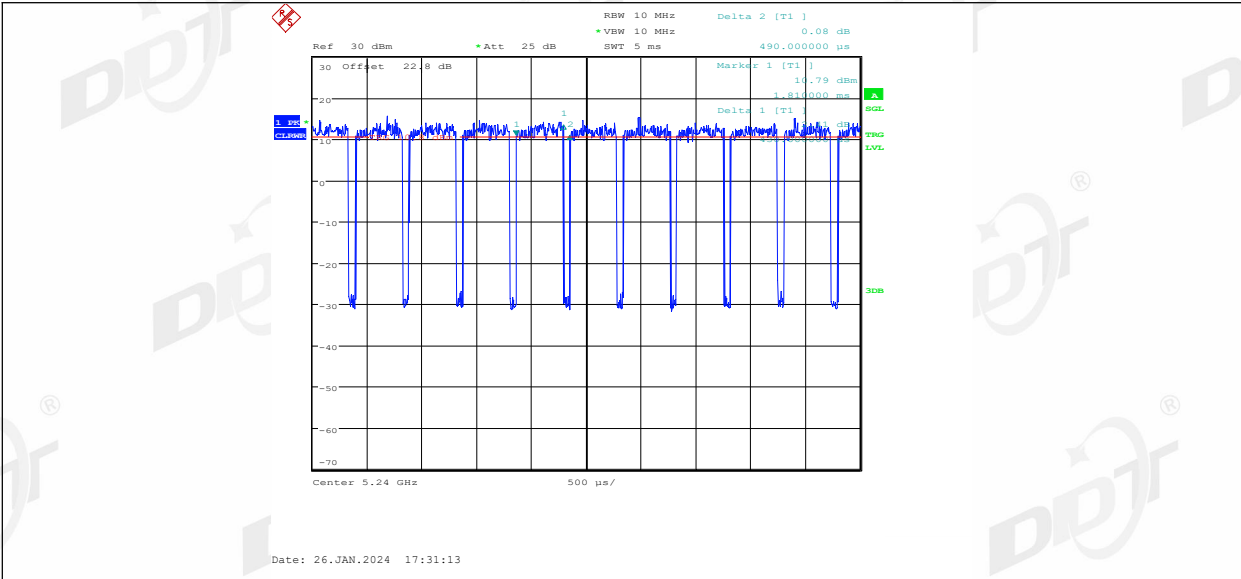
11AX20MIMO_Ant1_5200



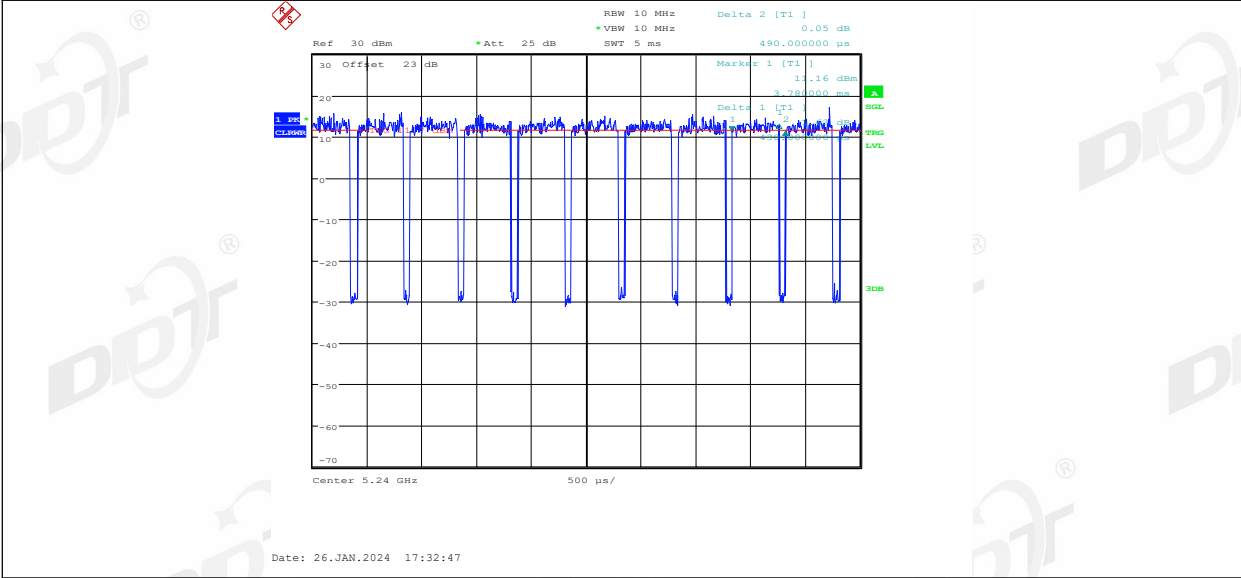
11AX20MIMO_Ant2_5200



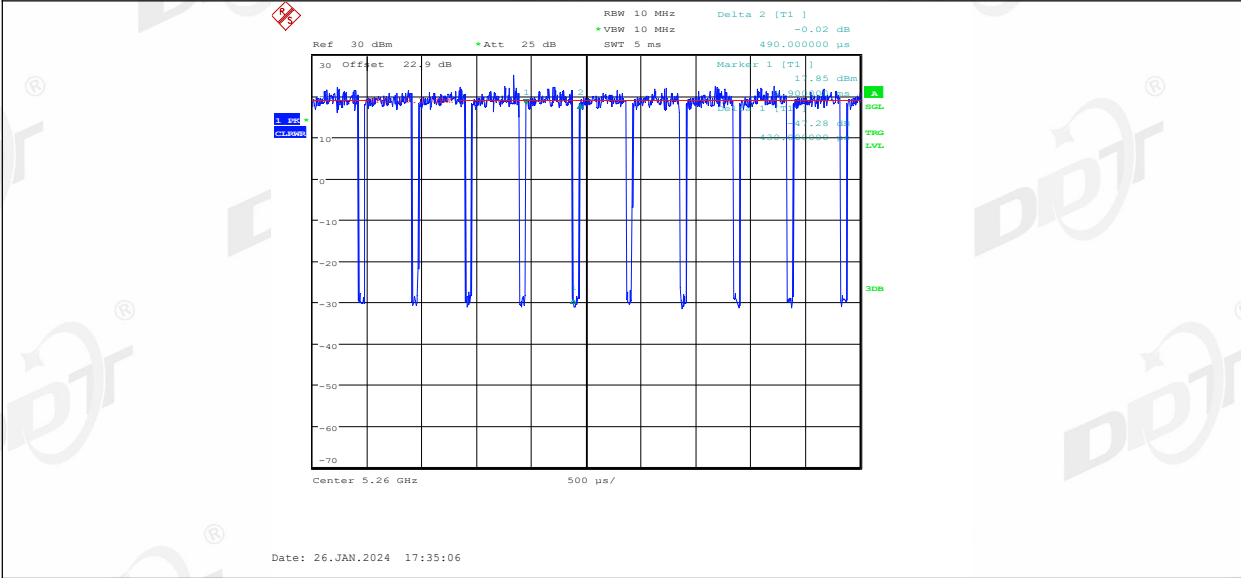
11AX20MIMO_Ant1_5240



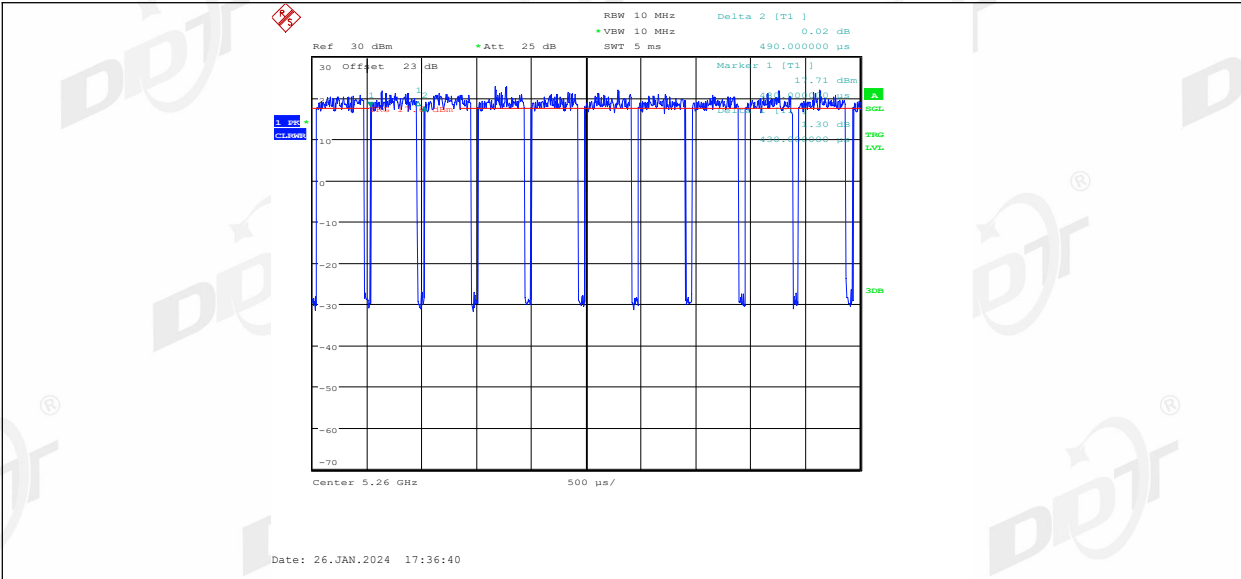
11AX20MIMO_Ant2_5240



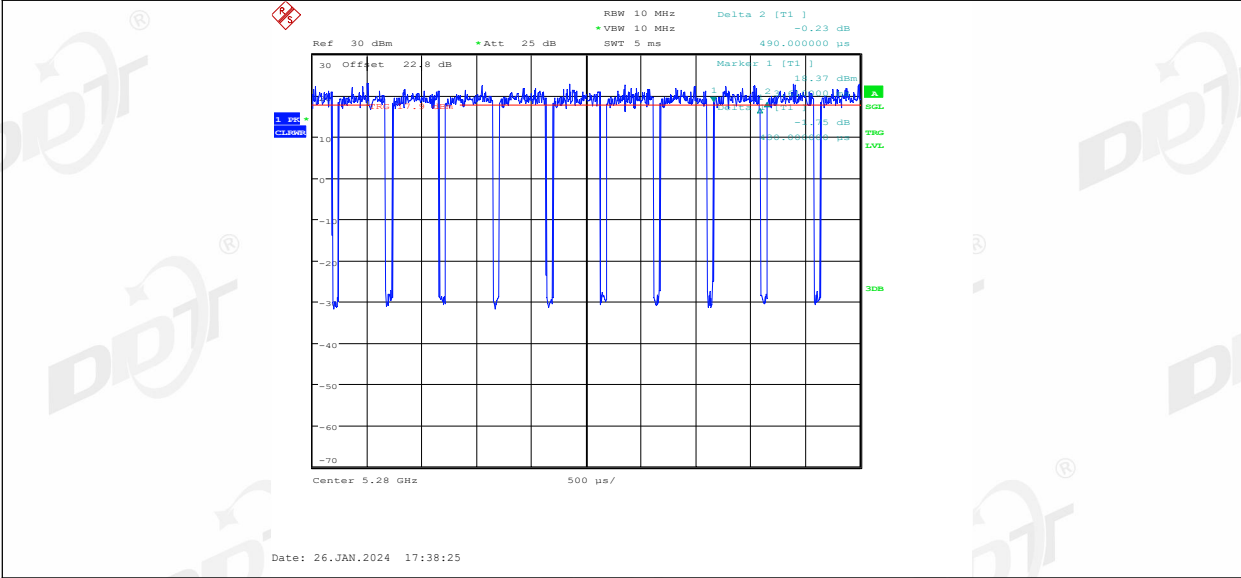
11AX20MIMO_Ant1_5260



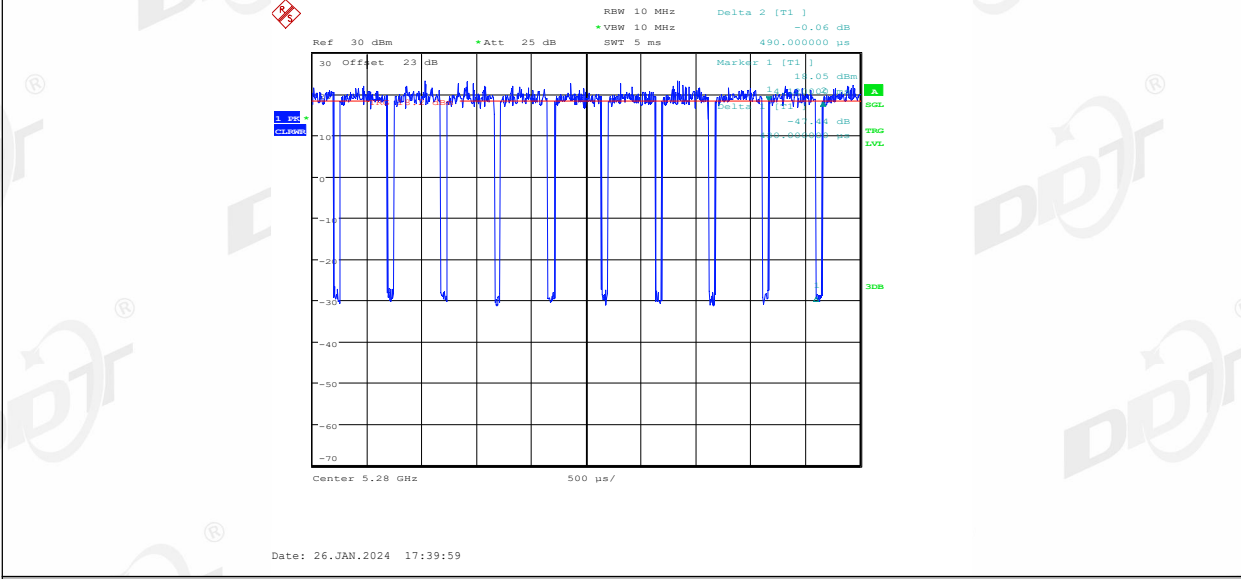
11AX20MIMO_Ant2_5260



11AX20MIMO_Ant1_5280



11AX20MIMO_Ant2_5280



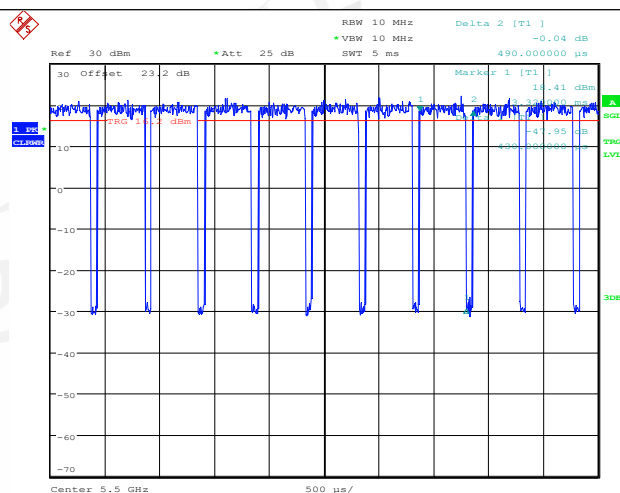
11AX20MIMO_Ant1_5320



Date: 26.JAN.2024 17:43:29

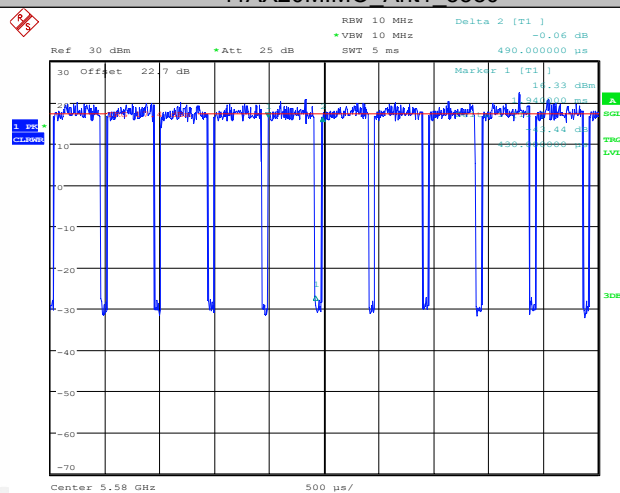
Date: 26.JAN.2024 17:45:25

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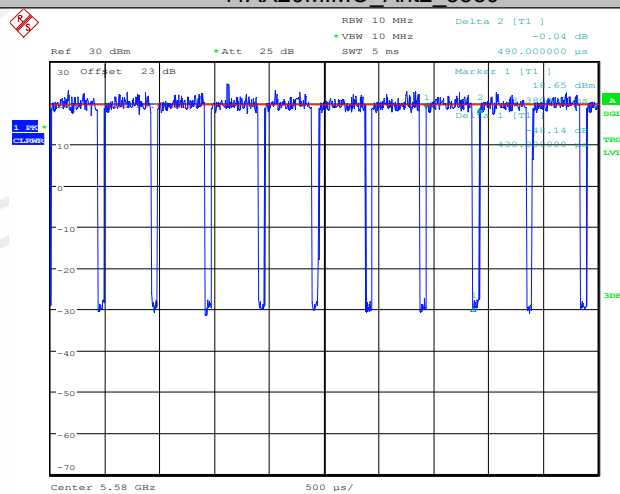
Date: 26.JAN.2024 17:46:59

11AX20MIMO Ant1 5580



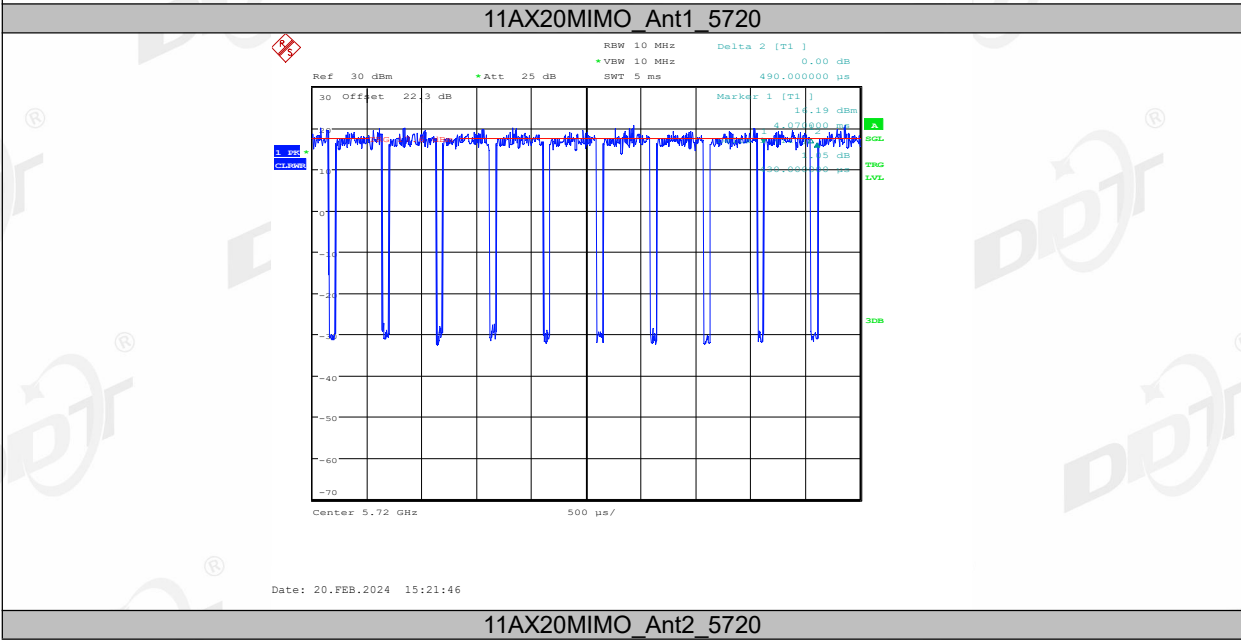
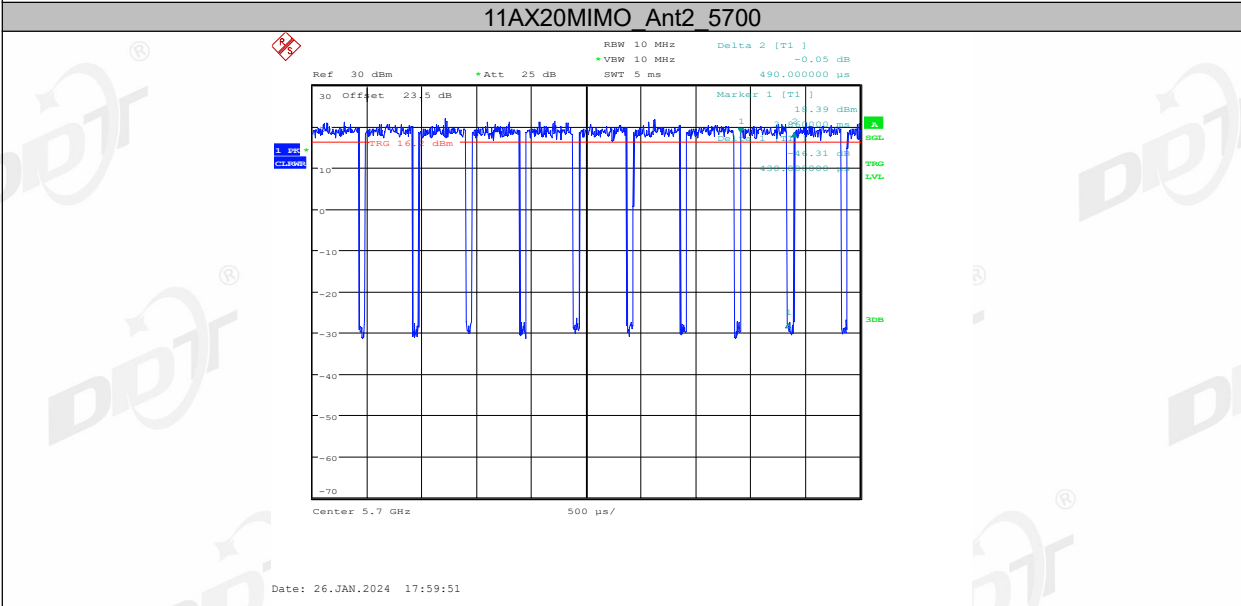
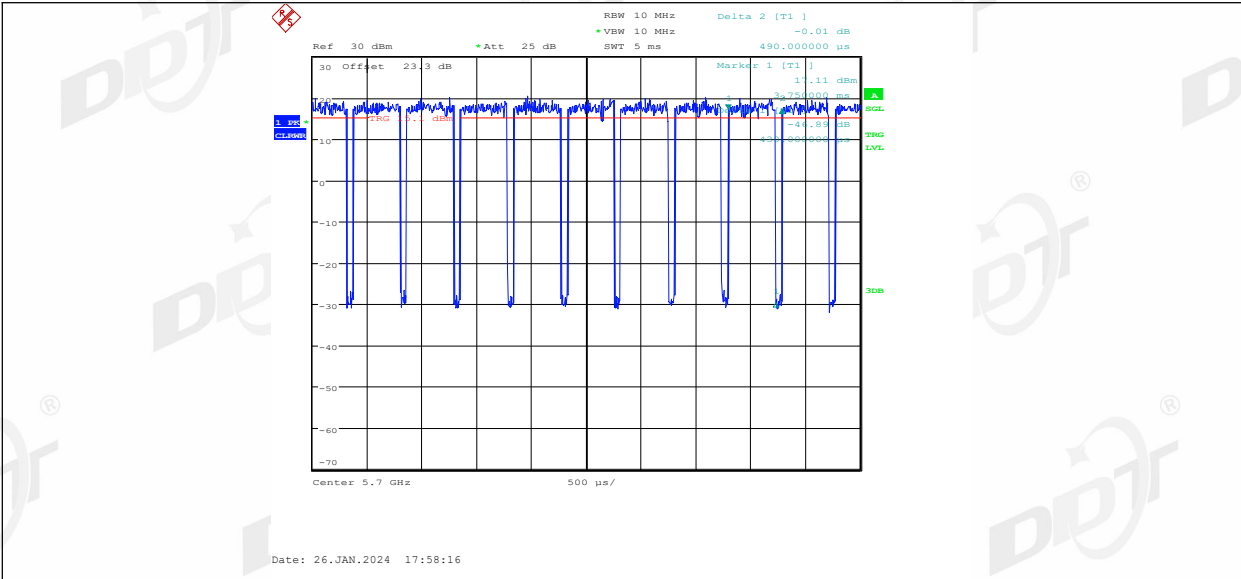
Date: 26.JAN.2024 17:54:47

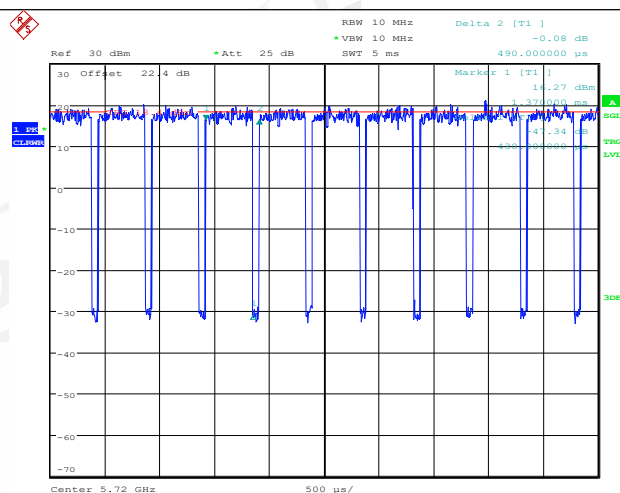
11AX20MIMO_Ant2_5580



Date: 26.JAN.2024 17:56:22

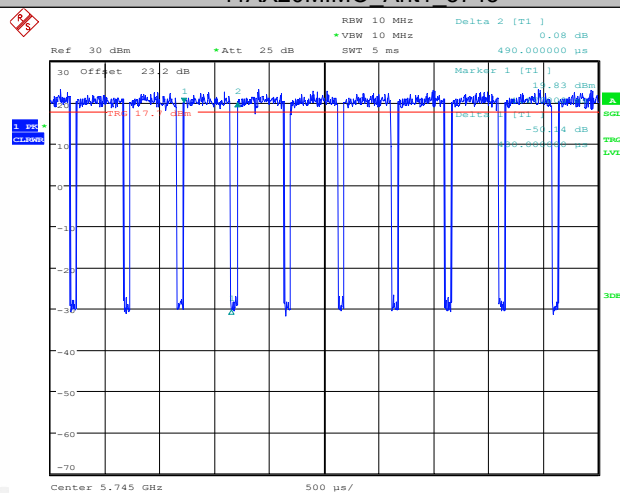
11AX20MIMO_Ant1_5700





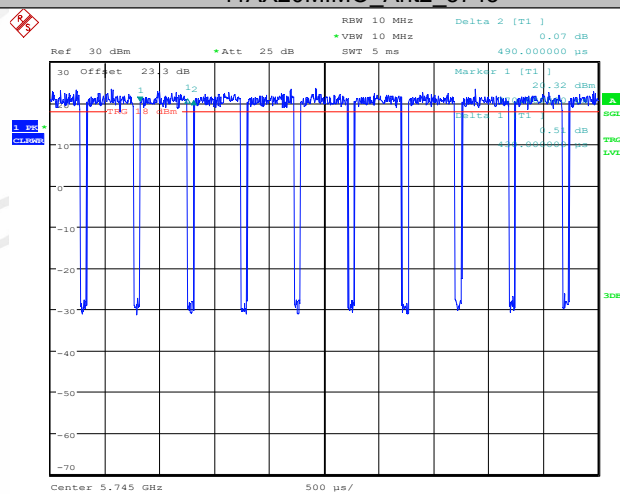
Date: 20.FEB.2024 15:23:51

11AX20MIMO Ant1 5745



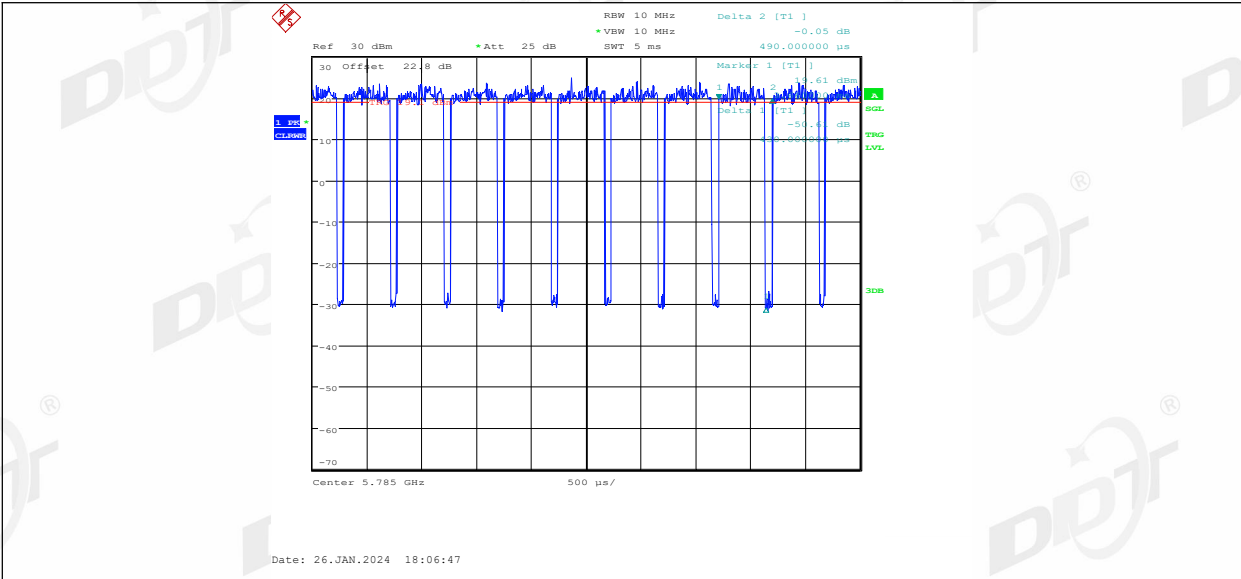
Date: 26.JAN.2024 18:02:44

11AX20MIMO_Ant2_5745

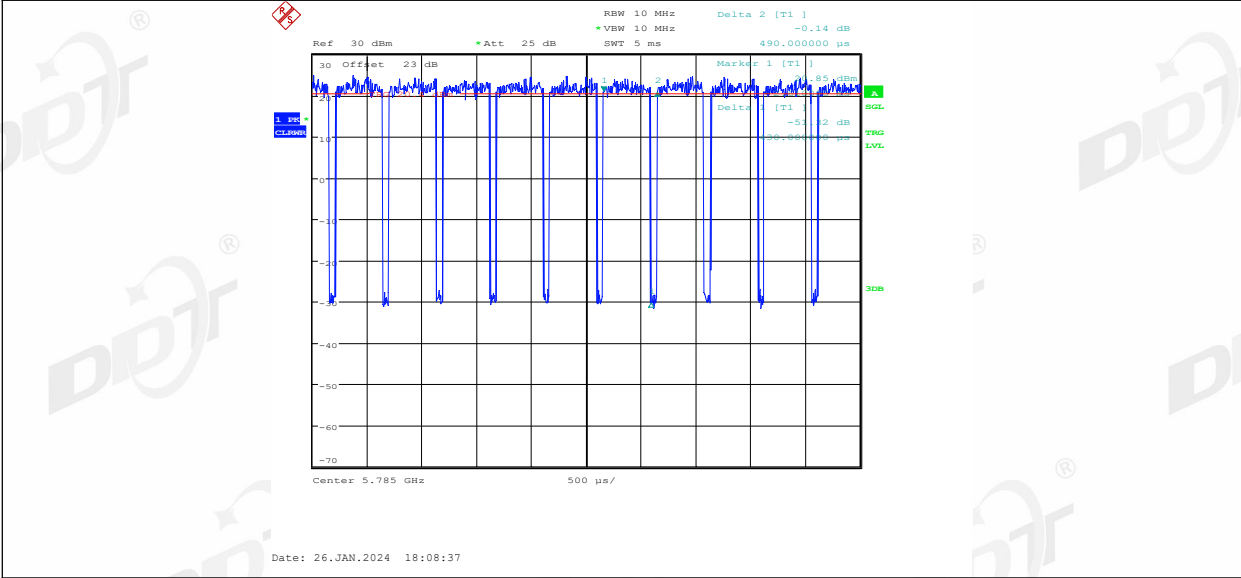


Date: 26.JAN.2024 18:04:33

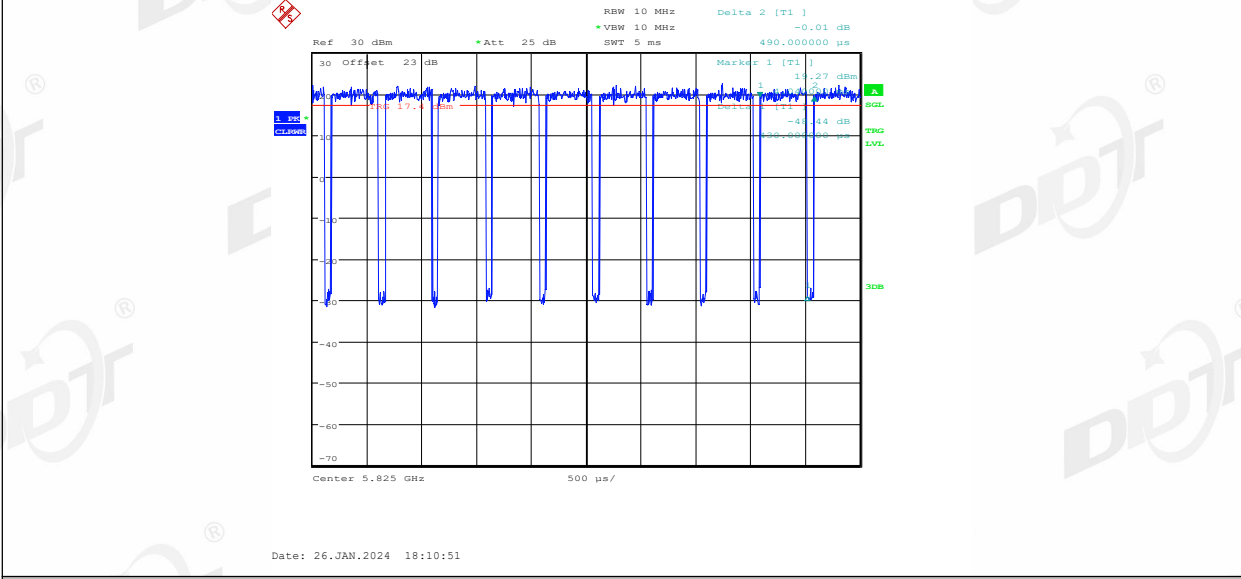
11AX20MIMO_Ant1_5785



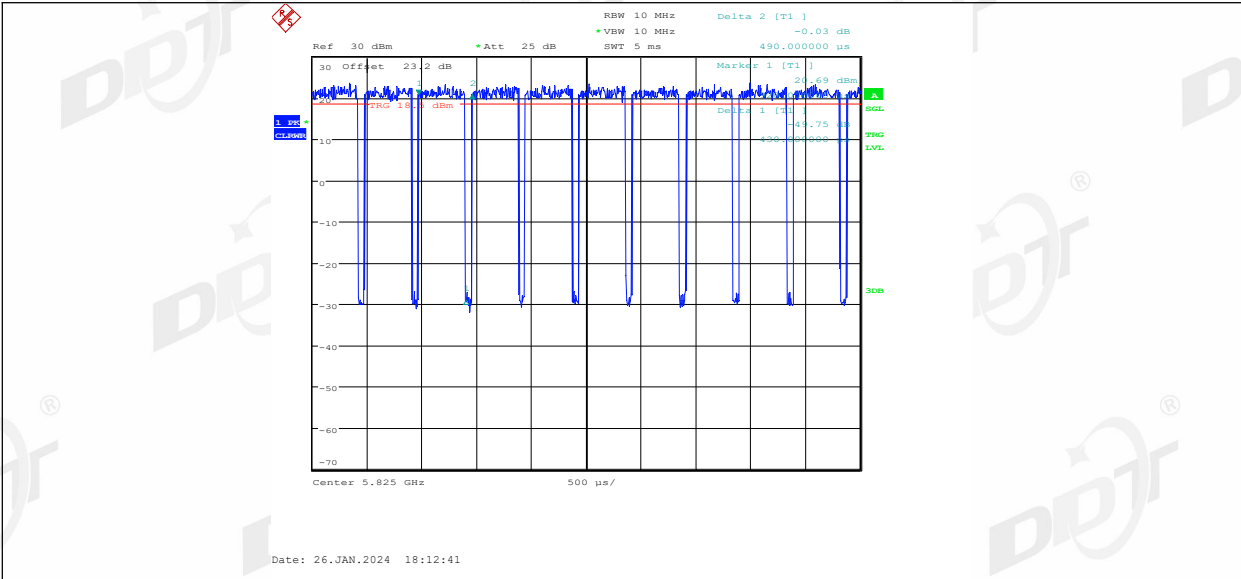
11AX20MIMO_Ant2_5785



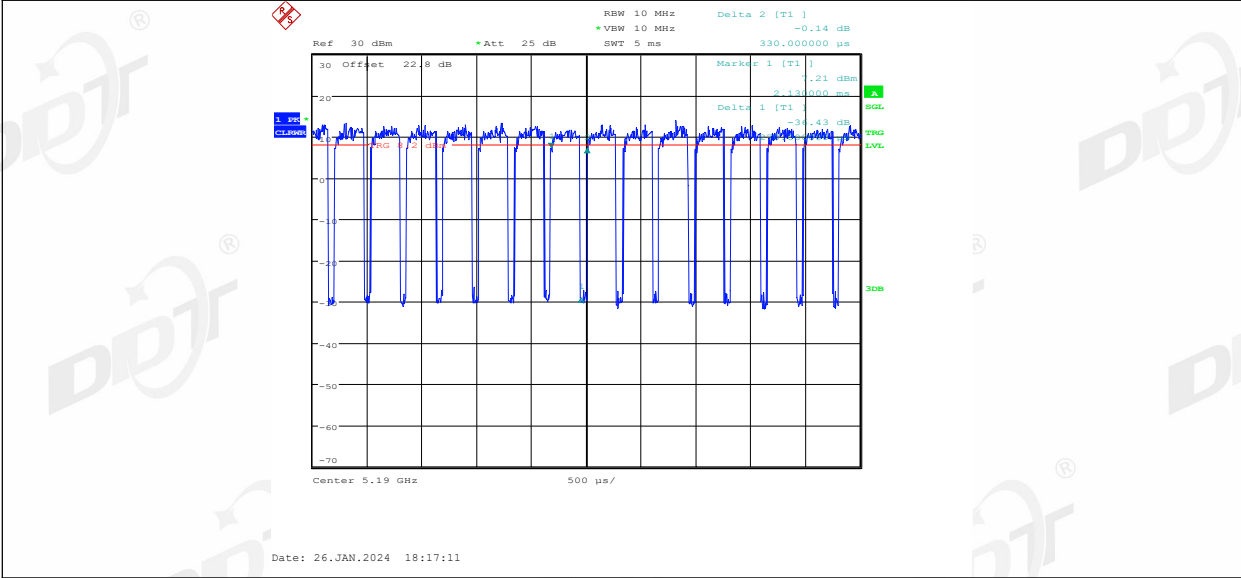
11AX20MIMO_Ant1_5825



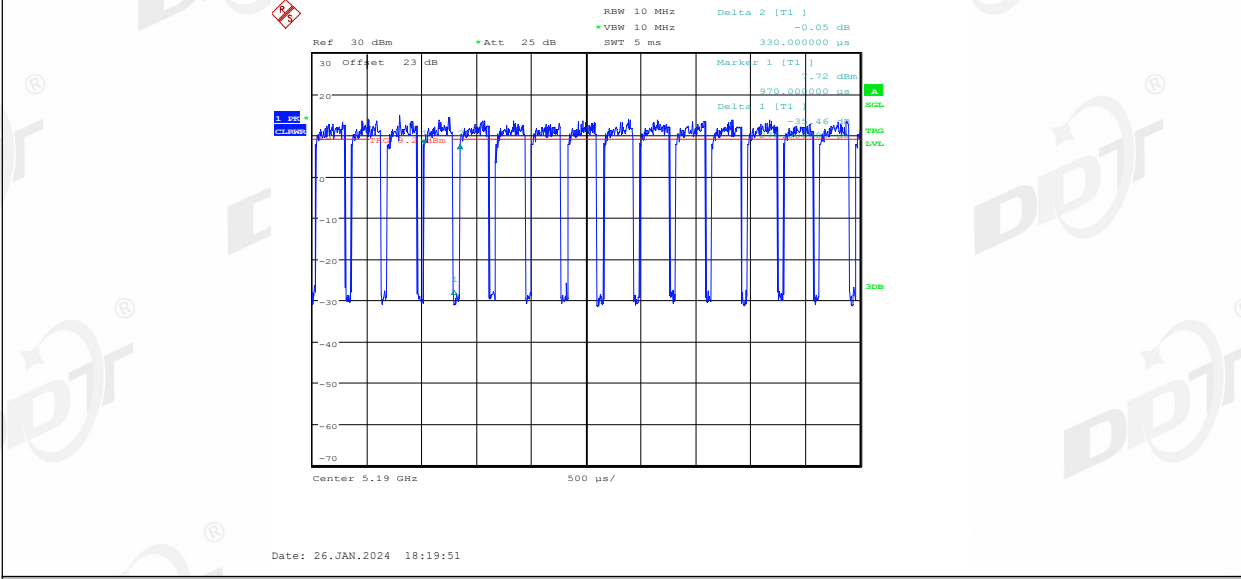
11AX20MIMO_Ant2_5825



11AX40MIMO_Ant1_5190



11AX40MIMO_Ant2_5190



11AX40MIMO_Ant1_5230



RBW 10 MHz
VBW 10 MHz
SWT 5 ms

Delta 2 [T1]
-0.18 dB
330.000000 μs

Ref 30 dBm
Att 25 dB

30 Offset 23 dB

Marker 1 [T1]
-15.65 dBm
4.530000 μs

Delta 1 [T1]
-15.65 dBm

Center 5.23 GHz
500 μs/

Date: 26.JAN.2024 18:23:41

RBW 10 MHz Delta 2 [T1]
 -0.02 dB
 VBW 10 MHz
 330.000000 μ s
 SWT 5 ms

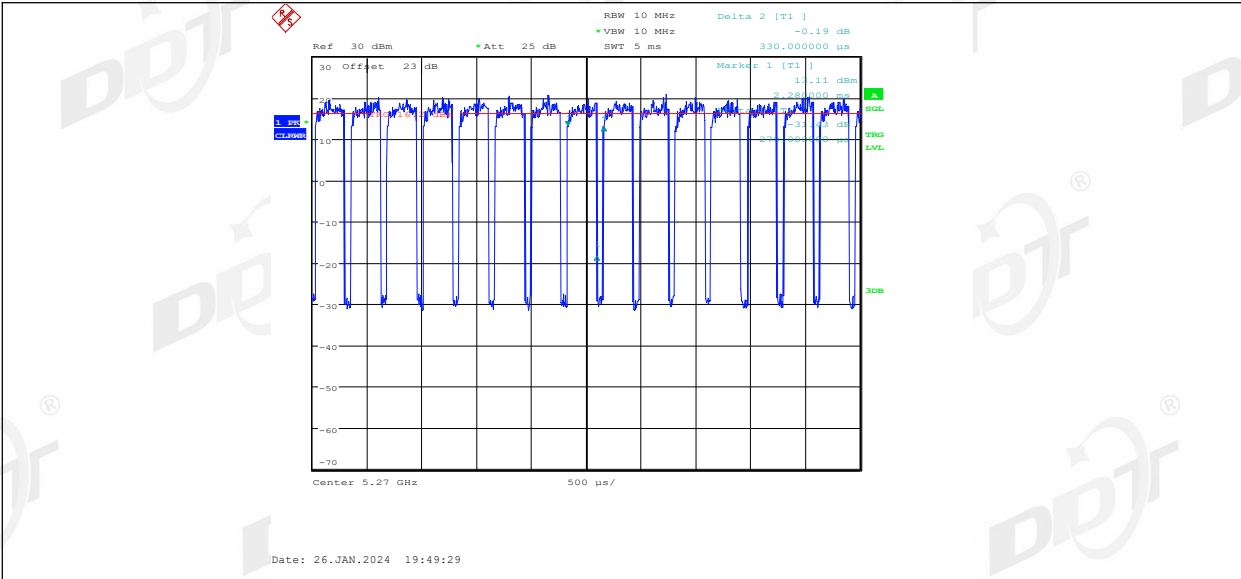
Ref 30 dBm
 Att 25 dB

30 Offset 22.8 dB
 1.83 dBm
 310.000000 MHz
 -42.75 dB
 330.000000 μ s

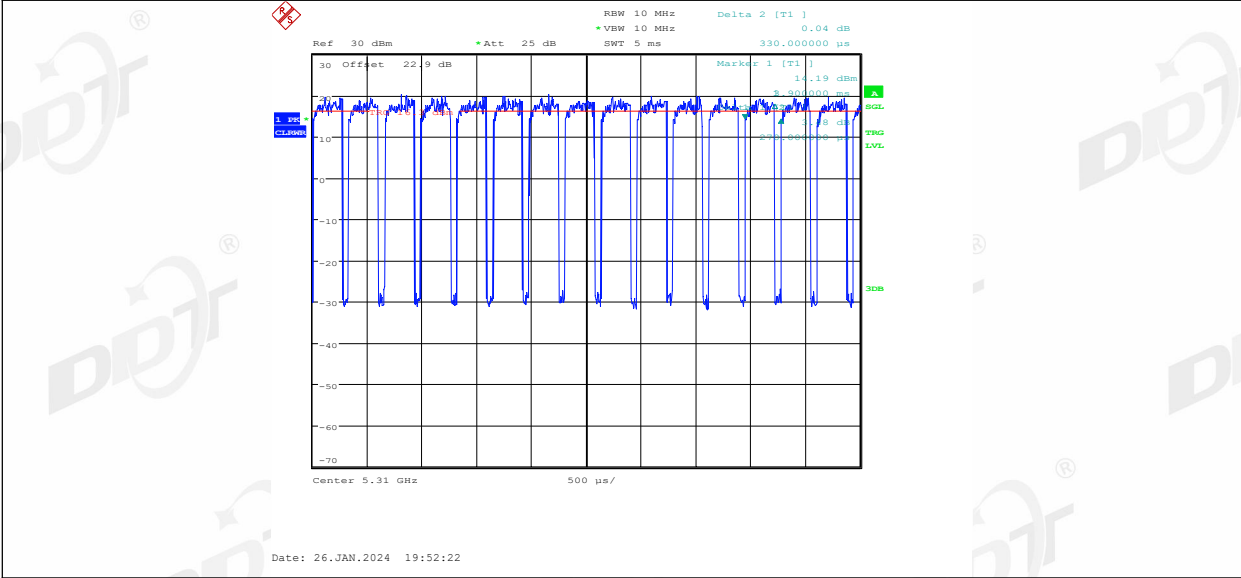
Center 5.27 GHz
 500 Hz/

Date: 26.JAN.2024 19:46:35

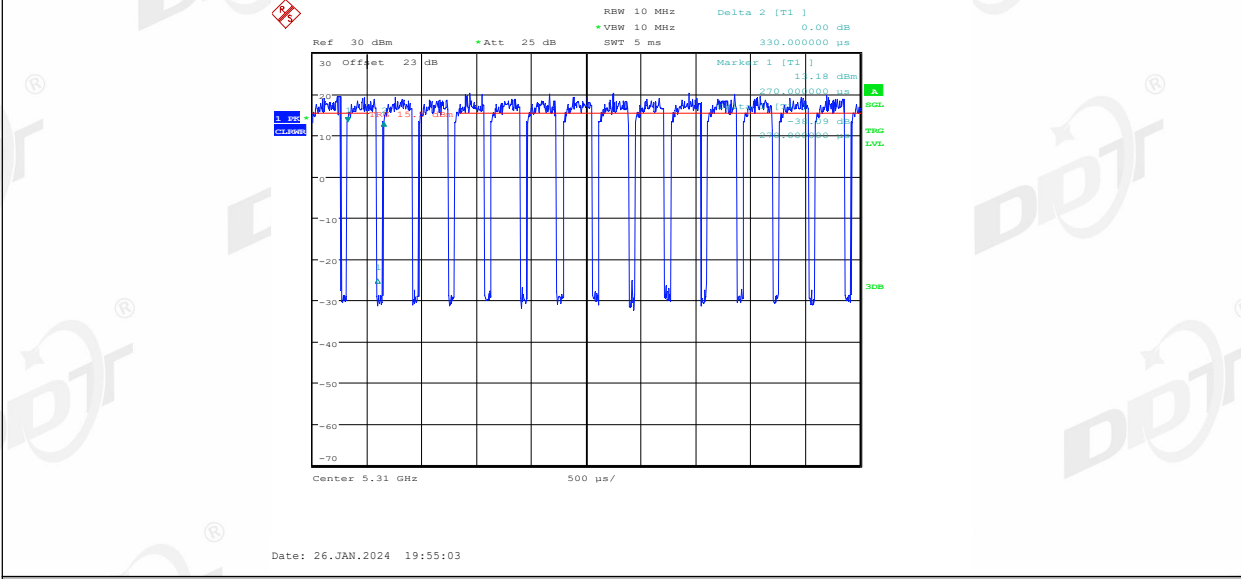
11AX40MIMO Ant2 5270



11AX40MIMO_Ant1_5310



11AX40MIMO_Ant2_5310



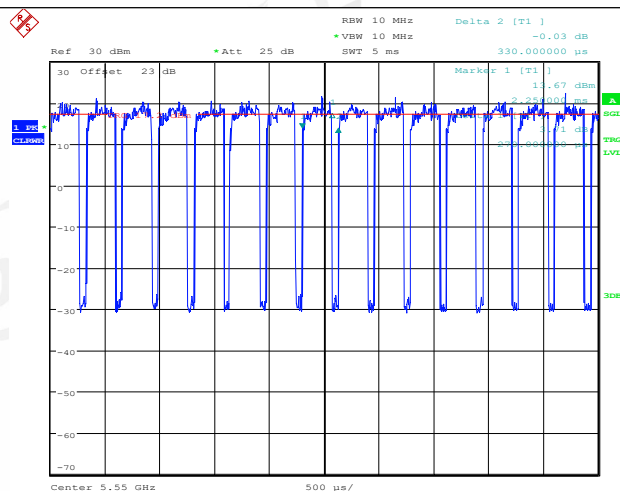
11AX40MIMO_Ant1_5510



Date: 26.JAN.2024 20:01:02

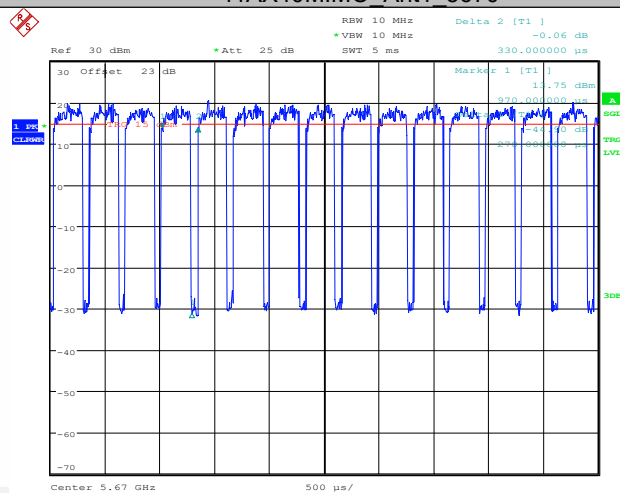
Date: 26.JAN.2024 20:03:54

11AX40MIMO Ant2 5550



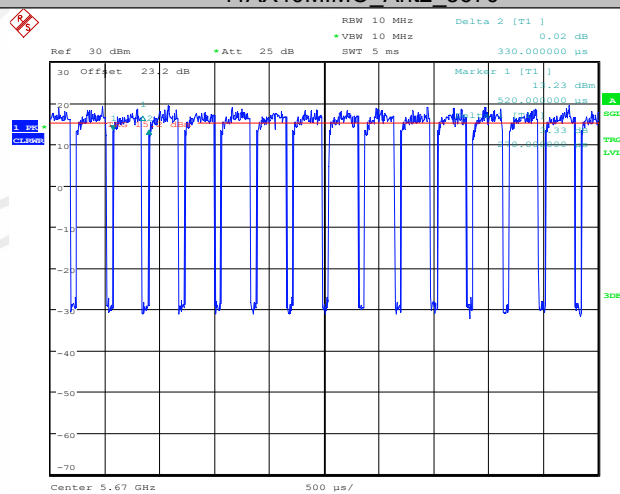
Date: 26.JAN.2024 20:06:35

11AX40MIMO Ant1 5670



Date: 26.JAN.2024 20:10:05

11AX40MIMO_Ant2_5670



Date: 26.JAN.2024 20:12:46

11AX40MIMO Ant1 5710



RBW 10 MHz Delta 2 [T1] -0.05 dB
 VBW 10 MHz
 SWF 5 ms 330.000000 μs

Ref 30 dBm *Att 25 dB

30 Offset 22.5 dB

Marker 1 [T1] 1.15 dBm
 376.000000 μs
 1.15 dBm
 1.15 dBm
 1.15 dBm

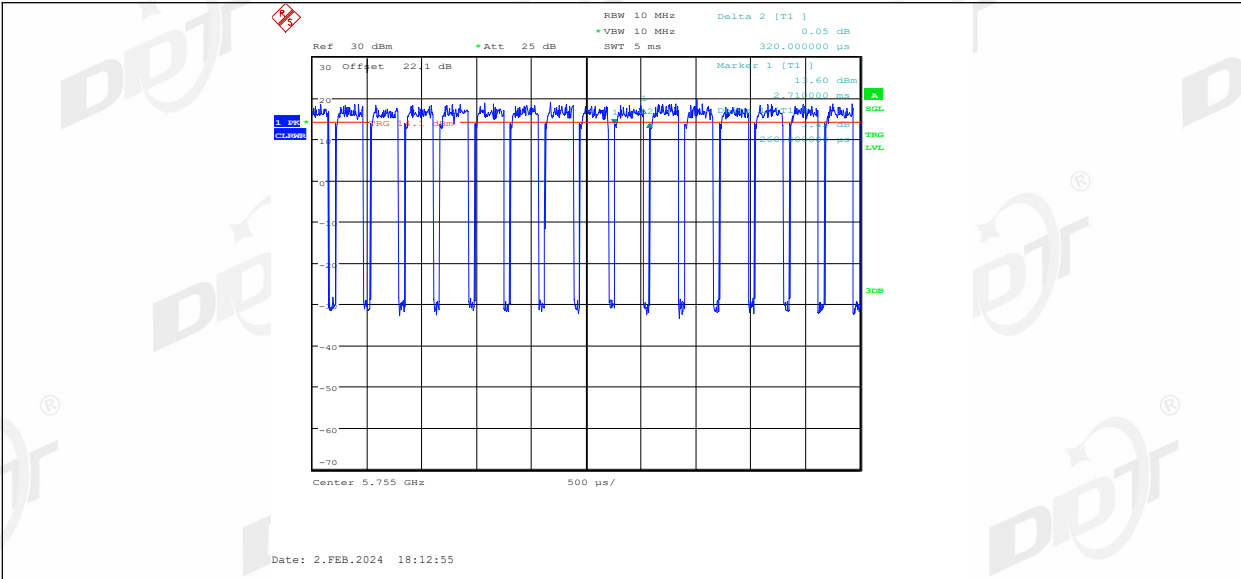
5.71 GHz 500 μs

Center 5.71 GHz 500 μs/

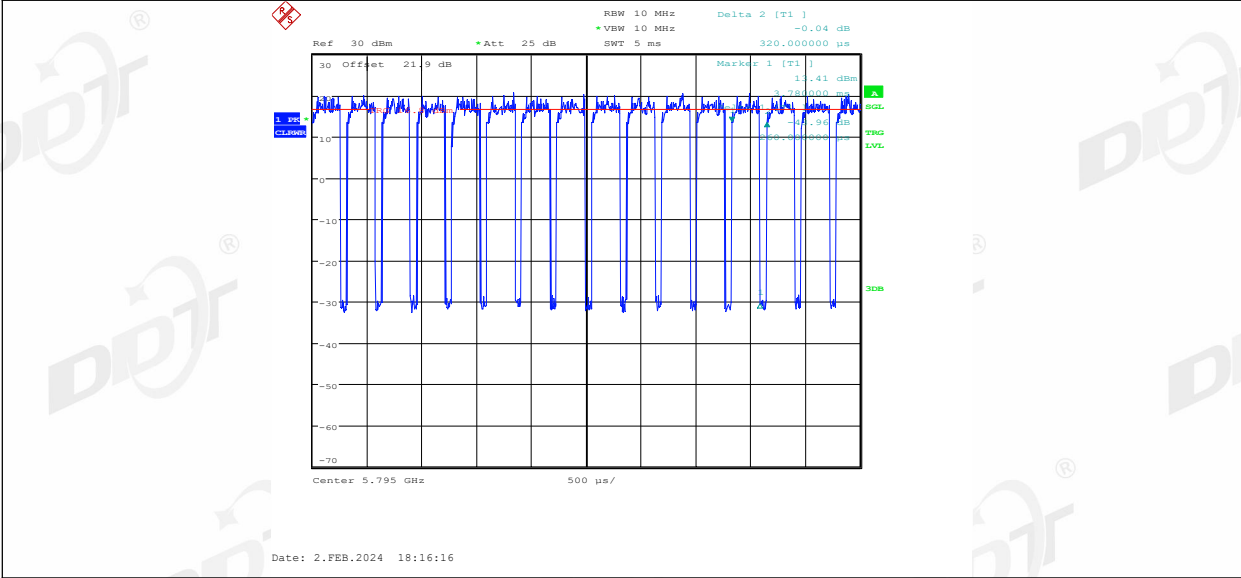
Date: 20.FEB.2024 15:31:36

Date: 2.FEB.2024 18:09:57

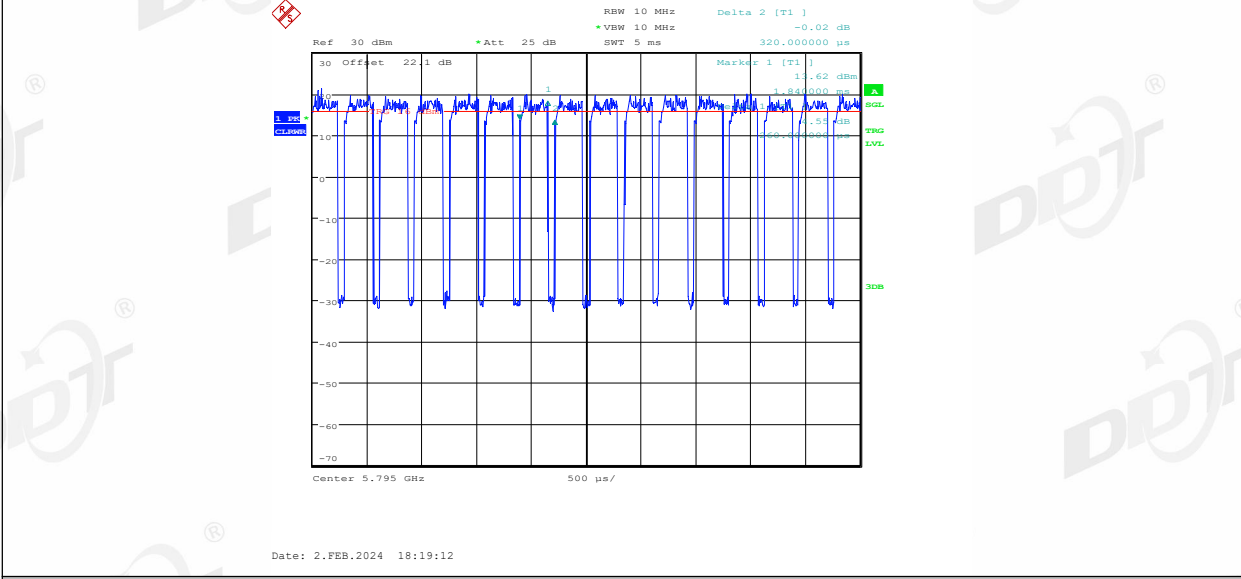
11AX40MIMO Ant2 5755



11AX40MIMO_Ant1_5795



11AX40MIMO_Ant2_5795



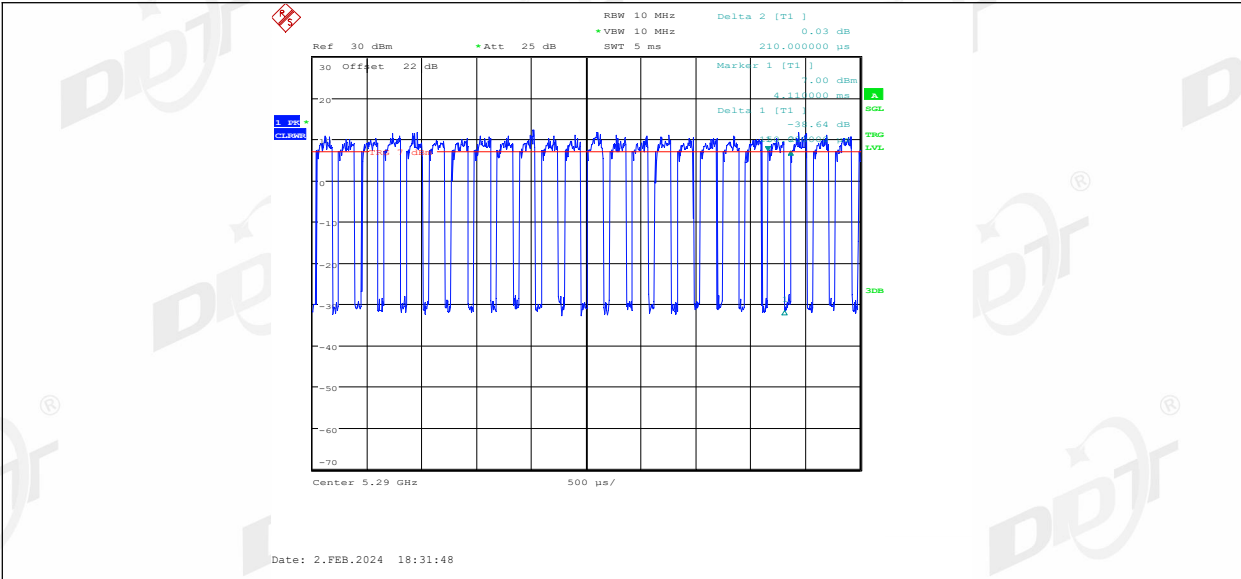
11AX80MIMO_Ant1_5210



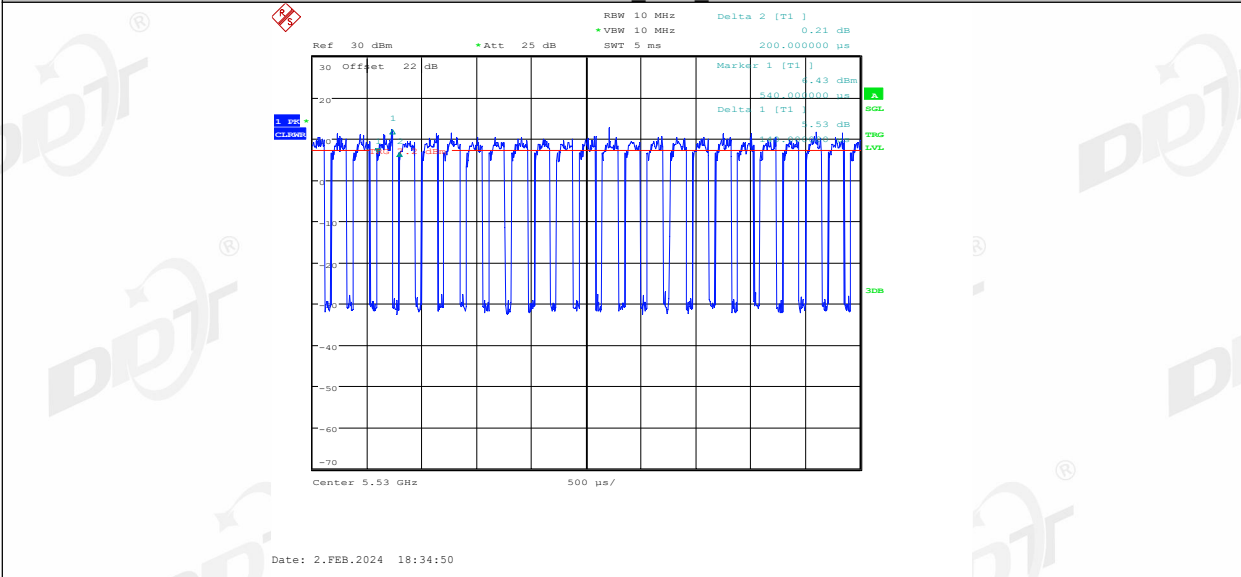
Date: 2.FEB.2024 18:25:50

Date: 2.FEB.2024 18:28:54

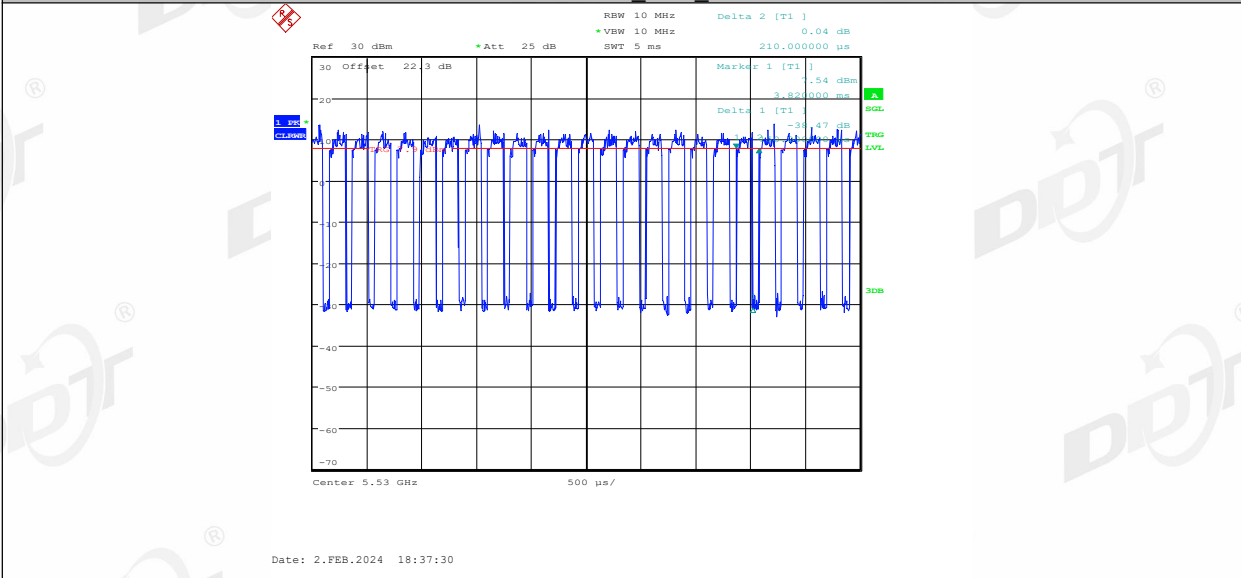
11AX80MIMO Ant2 5290



11AX80MIMO_Ant1_5530



11AX80MIMO_Ant2_5530



11AX80MIMO_Ant1_5610



RBW 10 MHz Delta 2 [T1] 0.06 dB
 VBW 10 MHz
 SWF 5 ms 200.000000 μ s

Ref 30 dBm *Att 25 dB

30 Offset 22.2 dB

Marker 1 [T1] -13 dBm

Delta 1 [T1] 0.06 dB

Center 5.61 GHz 500. μ s/

Date: 2.FEB.2024 18:43:21

RBW 10 MHz Delta 2 [T1] -0.02 dB
 VBW 10 MHz 240.000000 us
 SWT 5 ms
 Ref 30 dBm Att 25 dB
 30 Offset 22.2 dB
 Marker 1 [T1] -1.81 dBm
 3.360000 ms
 Delta 1 [T1] -1.24 dB
 1.000000 ms
 Center 5.69 GHz 500 Hz/

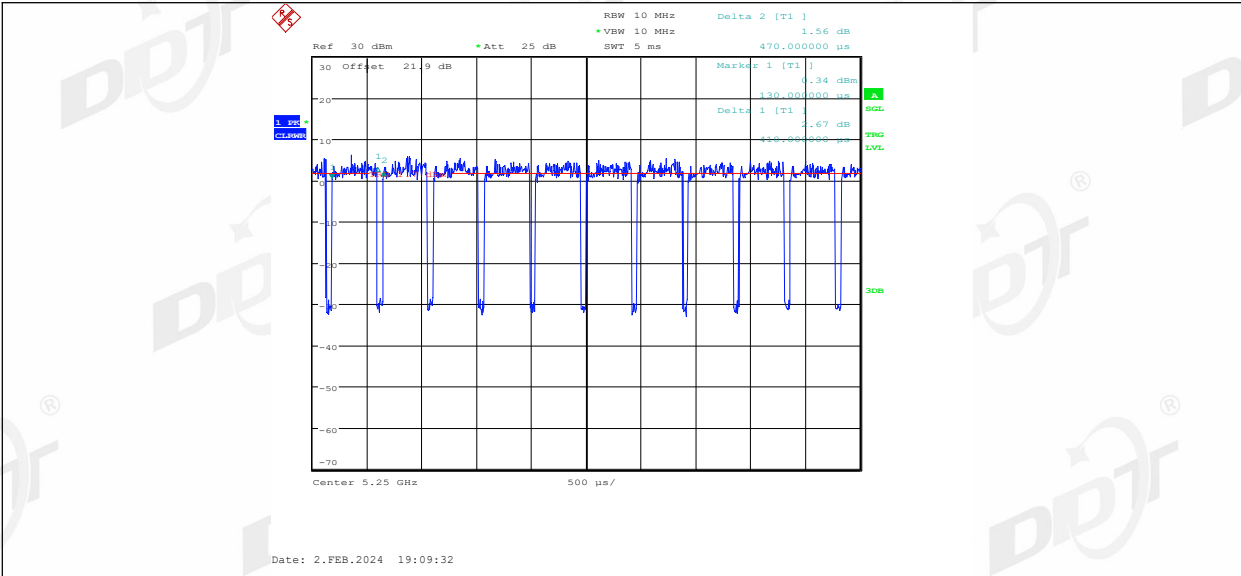
Date: 20.FEB.2024 15:38:54

11AX80MIMO Ant2 5690

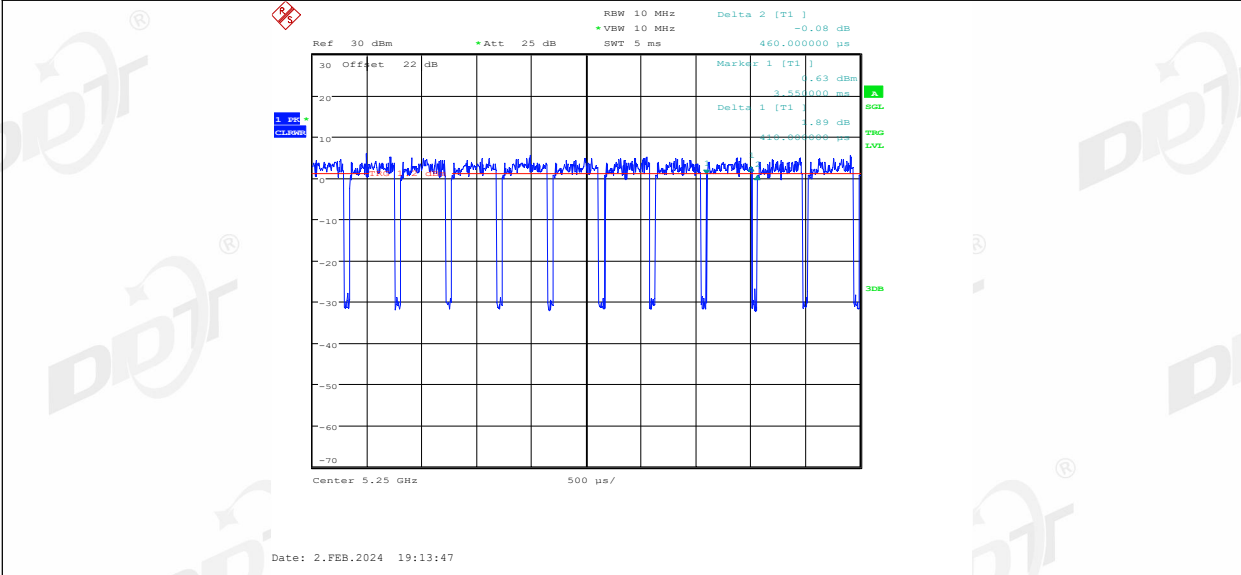


Date: 2.FEB.2024 18:47:08

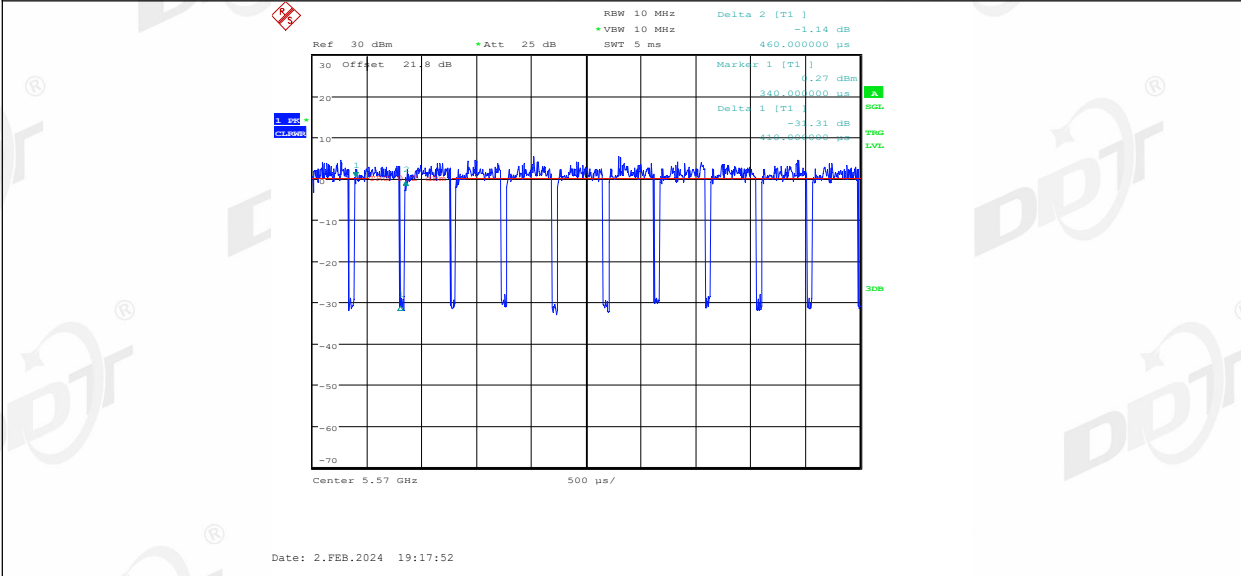
Date: 2.FEB.2024 18:50:05



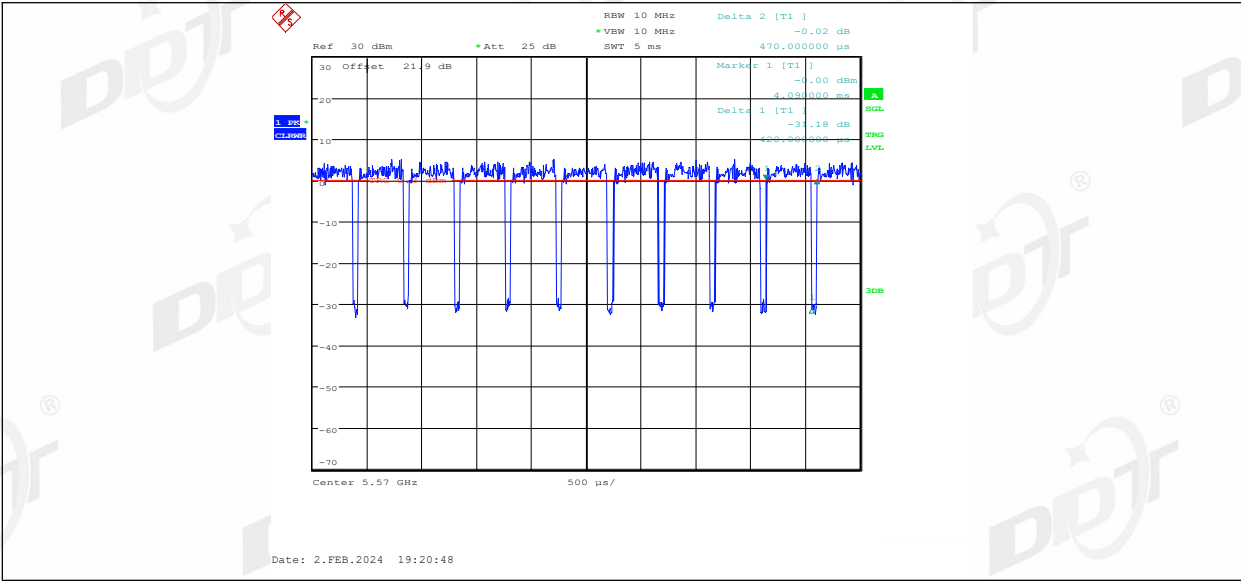
11AX160MIMO_Ant2_5250



11AX160MIMO_Ant1_5570

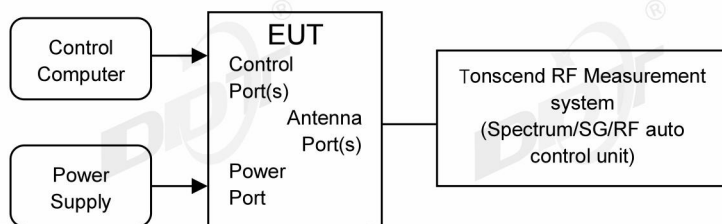


11AX160MIMO_Ant2_5570



8. Maximum Output Power

8.1. Block diagram of test setup



8.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Maximum Output Power	For FCC: outdoor access point: 1 W(30 dBm) indoor access point: 1 W(30 dBm) fixed point-to-point access points 1 W(30 dBm) client devices: 250 mW (24 dBm)	5150-5250
	For RSS: e.i.r.p. power: not exceed 200 mW (23 dBm) or $10 + 10 \log_{10} B$	
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	
	For RSS: For conducted output power: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	5250-5350
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$	
	For FCC: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	
	For RSS: For conducted output power: 250 mW (24 dBm) or $11 + 10 \log_{10} B$	For FCC: 5470 - 5725 For IC: 5470 - 5600 5650 - 5725
	For RSS: e.i.r.p. power: not exceed 1.0 W (30 dBm) or $17 + 10 \log_{10} B$	
	1 Watt (30 dBm)	5725-5850

Note 1: For FCC: B=26 bandwidth; For ISDE: B=99% bandwidth.

Note 2: For 802.11n, 802.11ac and 802.11ax, the EUT incorporates a MIMO function.
5150MHz-5350MHz, The Antenna directional gain is 6.43 dBi. The Output Power limit is the above limits-(6.43-6) dB.
5470MHz-55850MHz, The Antenna directional gain is 6.43 dBi. The Output Power limit is the above limits-(6.6-6) dB.

8.3. Test procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator
Measure the output power of each antenna port by power sensor.

8.4. Test result channel power

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	23.6℃, 64%RH	Test Date:	2024.01.29-2024.02.21
Test Power Supply:	AC230V/50Hz	EUT:	Mercku M6s Nano Mesh Wi-Fi Router
Sample Number:	S23111605-01	Model No.:	MBAA0

Test Mode	Antenna	Frequency [MHz]	Duty Cycle [%]	DC Factor [dB]	Result [dBm]	Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
11A	Ant1	5180	95.89	0.18	12.61	≤23.55	19.04	---	PASS
	Ant2	5180	95.92	0.18	13.25	≤23.55	19.68	---	PASS
	Ant1	5200	95.92	0.18	12.65	≤23.55	19.08	---	PASS
	Ant2	5200	95.89	0.18	13.21	≤23.55	19.64	---	PASS
	Ant1	5240	95.89	0.18	13.00	≤23.55	19.43	---	PASS
	Ant2	5240	95.89	0.18	13.54	≤23.55	19.97	---	PASS
	Ant1	5260	95.89	0.18	13.12	≤23.55	19.55	---	PASS
			95.89	0.18	20.04	≤23.55	26.47	---	PASS
	Ant2	5260	95.92	0.18	12.90	≤23.55	19.33	---	PASS
			95.92	0.18	19.98	≤23.55	26.41	---	PASS
	Ant1	5280	95.89	0.18	13.07	≤23.55	19.50	---	PASS
			95.89	0.18	20.09	≤23.55	26.52	---	PASS
	Ant2	5280	95.89	0.18	12.74	≤23.55	19.17	---	PASS
			95.89	0.18	20.09	≤23.55	26.52	---	PASS
	Ant1	5320	95.92	0.18	12.48	≤23.55	18.91	---	PASS
			95.92	0.18	19.68	≤23.55	26.11	---	PASS
	Ant2	5320	95.89	0.18	11.97	≤23.55	18.40	---	PASS
			95.89	0.18	19.83	≤23.55	26.26	---	PASS
	Ant1	5500	95.92	0.18	11.15	≤23.38	17.75	---	PASS
			95.92	0.18	18.23	≤23.38	24.83	---	PASS
	Ant2	5500	95.89	0.18	11.97	≤23.38	18.57	---	PASS
			95.89	0.18	20.28	≤23.38	26.88	---	PASS
	Ant1	5580	95.92	0.18	11.86	≤23.38	18.46	---	PASS
			95.92	0.18	18.94	≤23.38	25.54	---	PASS
	Ant2	5580	95.89	0.18	12.83	≤23.38	19.43	---	PASS
			95.89	0.18	20.64	≤23.38	27.24	---	PASS
	Ant1	5700	95.89	0.18	12.33	≤23.38	18.93	---	PASS
			95.89	0.18	19.30	≤23.38	25.90	---	PASS
	Ant2	5700	95.92	0.18	12.60	≤23.38	19.20	---	PASS
			95.92	0.18	20.48	≤23.38	27.08	---	PASS
	Ant1	5720	95.89	0.18	11.76	≤23.38	18.36	---	PASS
			95.89	0.18	18.73	≤23.38	25.33	---	PASS
	Ant2	5720	95.92	0.18	12.14	≤23.38	18.74	---	PASS
			95.92	0.18	18.72	≤23.38	25.32	---	PASS
	Ant1	5745	95.92	0.18	20.60	≤29.18	27.42	---	PASS
	Ant2	5745	95.89	0.18	21.13	≤29.18	27.95	---	PASS
	Ant1	5785	95.92	0.18	20.62	≤29.18	27.44	---	PASS
	Ant2	5785	95.89	0.18	21.28	≤29.18	28.10	---	PASS
	Ant1	5825	95.92	0.18	20.20	≤29.18	27.02	---	PASS
	Ant2	5825	95.89	0.18	21.27	≤29.18	28.09	---	PASS
11N20MIMO	Ant1	5180	91.89	0.37	7.67	≤23.55	14.10	---	PASS
	Ant2	5180	91.89	0.37	9.20	≤23.55	15.63	---	PASS
	total	5180	---	---	11.51	≤23.55	17.94	---	PASS
	Ant1	5200	91.89	0.37	7.74	≤23.55	14.17	---	PASS
	Ant2	5200	91.89	0.37	9.16	≤23.55	15.59	---	PASS
	total	5200	---	---	11.52	≤23.55	17.95	---	PASS
	Ant1	5240	91.89	0.37	8.10	≤23.55	14.53	---	PASS
	Ant2	5240	91.89	0.37	9.40	≤23.55	15.83	---	PASS
	total	5240	---	---	11.81	≤23.55	18.24	---	PASS
	Ant1	5260	91.89	0.37	7.75	≤23.55	14.18	---	PASS
			91.89	0.37	14.14	≤23.55	20.57	---	PASS
	Ant2	5260	91.89	0.37	7.37	≤23.55	13.80	---	PASS
			91.89	0.37	14.87	≤23.55	21.30	---	PASS
	total	5260	---	---	10.57	≤23.55	17.00	---	PASS
			---	---	17.53	≤23.55	23.96	---	PASS
	Ant1	5280	91.89	0.37	7.69	≤23.55	14.12	---	PASS
			91.89	0.37	14.27	≤23.55	20.70	---	PASS
	Ant2	5280	91.89	0.37	7.26	≤23.55	13.69	---	PASS
			91.89	0.37	14.81	≤23.55	21.24	---	PASS
	total	5280	---	---	10.49	≤23.55	16.92	---	PASS
			---	---	17.56	≤23.55	23.99	---	PASS

	Ant1	5320	91.89	0.37	7.07	≤23.55	13.50	---	PASS
			91.89	0.37	13.68	≤23.55	20.11	---	PASS
	Ant2	5320	91.89	0.37	6.69	≤23.55	13.12	---	PASS
			91.89	0.37	14.32	≤23.55	20.75	---	PASS
	total	5320	---	---	9.89	≤23.55	16.32	---	PASS
			---	---	17.02	≤23.55	23.45	---	PASS
	Ant1	5500	93.15	0.31	6.77	≤23.38	13.37	---	PASS
			93.15	0.31	12.24	≤23.38	18.84	---	PASS
	Ant2	5500	91.89	0.37	7.59	≤23.38	14.19	---	PASS
			91.89	0.37	14.13	≤23.38	20.73	---	PASS
	total	5500	---	---	10.21	≤23.38	16.81	---	PASS
			---	---	16.30	≤23.38	22.90	---	PASS
	Ant1	5580	91.89	0.37	7.48	≤23.38	14.08	---	PASS
			91.89	0.37	13.04	≤23.38	19.64	---	PASS
	Ant2	5580	91.89	0.37	8.52	≤23.38	15.12	---	PASS
			91.89	0.37	14.88	≤23.38	21.48	---	PASS
	total	5580	---	---	11.04	≤23.38	17.64	---	PASS
			---	---	17.07	≤23.38	23.67	---	PASS
	Ant1	5700	91.89	0.37	8.01	≤23.38	14.61	---	PASS
			91.89	0.37	13.37	≤23.38	19.97	---	PASS
	Ant2	5700	91.89	0.37	8.28	≤23.38	14.88	---	PASS
			91.89	0.37	14.63	≤23.38	21.23	---	PASS
	total	5700	---	---	11.16	≤23.38	17.76	---	PASS
			---	---	17.06	≤23.38	23.66	---	PASS
	Ant1	5720	91.89	0.37	7.17	≤23.38	13.77	---	PASS
			91.89	0.37	14.30	≤23.38	20.90	---	PASS
	Ant2	5720	91.89	0.37	7.77	≤23.38	14.37	---	PASS
			91.89	0.37	14.59	≤23.38	21.19	---	PASS
	total	5720	---	---	10.49	≤23.38	17.09	---	PASS
			---	---	17.46	≤23.38	24.06	---	PASS
	Ant1	5745	91.89	0.37	15.70	≤29.18	22.52	---	PASS
	Ant2	5745	91.89	0.37	16.35	≤29.18	23.17	---	PASS
	total	5745	---	---	19.05	≤29.18	25.87	---	PASS
	Ant1	5785	91.89	0.37	15.69	≤29.18	22.51	---	PASS
	Ant2	5785	91.89	0.37	16.41	≤29.18	23.23	---	PASS
	total	5785	---	---	19.08	≤29.18	25.90	---	PASS
	Ant1	5825	91.89	0.37	15.30	≤29.18	22.12	---	PASS
	Ant2	5825	91.89	0.37	16.41	≤29.18	23.23	---	PASS
	total	5825	---	---	18.90	≤29.18	25.72	---	PASS
11N40MIMO	Ant1	5190	85.37	0.69	8.89	≤23.55	15.32	---	PASS
	Ant2	5190	85.37	0.69	10.35	≤23.55	16.78	---	PASS
	total	5190	---	---	12.69	≤23.55	19.12	---	PASS
	Ant1	5230	85.37	0.69	9.01	≤23.55	15.44	---	PASS
	Ant2	5230	85.37	0.69	10.34	≤23.55	16.77	---	PASS
	total	5230	---	---	12.74	≤23.55	19.17	---	PASS
	Ant1	5270	85.37	0.69	9.56	≤23.55	15.99	---	PASS
			85.37	0.69	15.94	≤23.55	22.37	---	PASS
	Ant2	5270	85.37	0.69	9.38	≤23.55	15.81	---	PASS
			85.37	0.69	16.39	≤23.55	22.82	---	PASS
	total	5270	---	---	12.48	≤23.55	18.91	---	PASS
			---	---	19.18	≤23.55	25.61	---	PASS
	Ant1	5310	85.37	0.69	9.29	≤23.55	15.72	---	PASS
			85.37	0.69	15.86	≤23.55	22.29	---	PASS
	Ant2	5310	85.37	0.69	8.89	≤23.55	15.32	---	PASS
			85.37	0.69	16.36	≤23.55	22.79	---	PASS
	total	5310	---	---	12.10	≤23.55	18.53	---	PASS
			---	---	19.13	≤23.55	25.56	---	PASS
	Ant1	5510	85.37	0.69	6.97	≤23.38	13.57	---	PASS
			85.37	0.69	12.43	≤23.38	19.03	---	PASS
	Ant2	5510	85.37	0.69	7.85	≤23.38	14.45	---	PASS
			85.37	0.69	14.28	≤23.38	20.88	---	PASS
	total	5510	---	---	10.44	≤23.38	17.04	---	PASS
			---	---	16.46	≤23.38	23.06	---	PASS
	Ant1	5550	85.37	0.69	7.18	≤23.38	13.78	---	PASS

11AC20MIMO	Ant2	5550	85.37	0.69	14.44	≤23.38	21.04	---	PASS
			85.37	0.69	8.14	≤23.38	14.74	---	PASS
			85.37	0.69	16.36	≤23.38	22.96	---	PASS
	total	5550	---	---	10.70	≤23.38	17.30	---	PASS
			---	---	18.52	≤23.38	25.12	---	PASS
	Ant1	5670	85.37	0.69	8.42	≤23.38	15.02	---	PASS
			85.37	0.69	15.83	≤23.38	22.43	---	PASS
	Ant2	5670	85.37	0.69	8.09	≤23.38	14.69	---	PASS
			85.37	0.69	16.22	≤23.38	22.82	---	PASS
	total	5670	---	---	11.27	≤23.38	17.87	---	PASS
			---	---	19.04	≤23.38	25.64	---	PASS
	Ant1	5710	85.37	0.69	8.82	≤23.38	15.42	---	PASS
			85.37	0.69	16.11	≤23.38	22.71	---	PASS
	Ant2	5710	85.37	0.69	9.47	≤23.38	16.07	---	PASS
			85.37	0.69	16.39	≤23.38	22.99	---	PASS
	total	5710	---	---	12.17	≤23.38	18.77	---	PASS
			---	---	19.26	≤23.38	25.86	---	PASS
	Ant1	5755	85.37	0.69	17.73	≤29.18	24.55	---	PASS
	Ant2	5755	85.37	0.69	18.24	≤29.18	25.06	---	PASS
	total	5755	---	---	21.00	≤29.18	27.82	---	PASS
	Ant1	5795	85.37	0.69	17.51	≤29.18	24.33	---	PASS
	Ant2	5795	85.37	0.69	18.27	≤29.18	25.09	---	PASS
	total	5795	---	---	20.92	≤29.18	27.74	---	PASS
	Ant1	5180	88.89	0.51	9.28	≤23.55	15.71	---	PASS
	Ant2	5180	88.89	0.51	10.06	≤23.55	16.49	---	PASS
	total	5180	---	---	12.70	≤23.55	19.13	---	PASS
	Ant1	5200	88.89	0.51	9.36	≤23.55	15.79	---	PASS
	Ant2	5200	90.74	0.42	9.93	≤23.55	16.36	---	PASS
	total	5200	---	---	12.66	≤23.55	19.09	---	PASS
	Ant1	5240	88.89	0.51	9.68	≤23.55	16.11	---	PASS
	Ant2	5240	88.89	0.51	10.35	≤23.55	16.78	---	PASS
	total	5240	---	---	13.04	≤23.55	19.47	---	PASS
	Ant1	5260	88.89	0.51	9.40	≤23.55	15.83	---	PASS
			88.89	0.51	16.86	≤23.55	23.29	---	PASS
	Ant2	5260	88.89	0.51	9.10	≤23.55	15.53	---	PASS
			88.89	0.51	16.91	≤23.55	23.34	---	PASS
	total	5260	---	---	12.26	≤23.55	18.69	---	PASS
			---	---	19.90	≤23.55	26.33	---	PASS
	Ant1	5280	90.74	0.42	9.25	≤23.55	15.68	---	PASS
			90.74	0.42	16.78	≤23.55	23.21	---	PASS
	Ant2	5280	90.74	0.42	8.87	≤23.55	15.30	---	PASS
			90.74	0.42	16.84	≤23.55	23.27	---	PASS
	total	5280	---	---	12.07	≤23.55	18.50	---	PASS
			---	---	19.82	≤23.55	26.25	---	PASS
	Ant1	5320	88.89	0.51	9.18	≤23.55	15.61	---	PASS
			88.89	0.51	16.31	≤23.55	22.74	---	PASS
	Ant2	5320	90.74	0.42	8.67	≤23.55	15.10	---	PASS
			90.74	0.42	16.66	≤23.55	23.09	---	PASS
	total	5320	---	---	11.94	≤23.55	18.37	---	PASS
			---	---	19.50	≤23.55	25.93	---	PASS
	Ant1	5500	88.89	0.51	7.88	≤23.38	14.48	---	PASS
			88.89	0.51	14.90	≤23.38	21.50	---	PASS
	Ant2	5500	90.74	0.42	8.56	≤23.38	15.16	---	PASS
			90.74	0.42	16.91	≤23.38	23.51	---	PASS
	total	5500	---	---	11.24	≤23.38	17.84	---	PASS
			---	---	19.03	≤23.38	25.63	---	PASS
	Ant1	5580	88.89	0.51	8.23	≤23.38	14.83	---	PASS
			88.89	0.51	15.63	≤23.38	22.23	---	PASS
	Ant2	5580	89.09	0.50	9.22	≤23.38	15.82	---	PASS
			89.09	0.50	17.42	≤23.38	24.02	---	PASS
	total	5580	---	---	11.76	≤23.38	18.36	---	PASS
			---	---	19.63	≤23.38	26.23	---	PASS
	Ant1	5700	88.89	0.51	9.03	≤23.38	15.63	---	PASS
			88.89	0.51	16.01	≤23.38	22.61	---	PASS

	Ant2	5700	88.89	0.51	9.29	≤23.38	15.89	---	PASS
			88.89	0.51	17.20	≤23.38	23.80	---	PASS
	total	5700	---	---	12.17	≤23.38	18.77	---	PASS
			---	---	19.66	≤23.38	26.26	---	PASS
	Ant1	5720	90.74	0.42	8.16	≤23.38	14.76	---	PASS
			90.74	0.42	15.23	≤23.38	21.83	---	PASS
	Ant2	5720	88.89	0.51	8.83	≤23.38	15.43	---	PASS
			88.89	0.51	15.71	≤23.38	22.31	---	PASS
	total	5720	---	---	11.52	≤23.38	18.12	---	PASS
			---	---	18.49	≤23.38	25.09	---	PASS
	Ant1	5745	88.89	0.51	18.37	≤29.18	25.19	---	PASS
	Ant2	5745	88.89	0.51	18.90	≤29.18	25.72	---	PASS
	total	5745	---	---	21.65	≤29.18	28.47	---	PASS
	Ant1	5785	88.89	0.51	18.19	≤29.18	25.01	---	PASS
	Ant2	5785	90.74	0.42	18.96	≤29.18	25.78	---	PASS
	total	5785	---	---	21.60	≤29.18	28.42	---	PASS
	Ant1	5825	88.89	0.51	17.96	≤29.18	24.78	---	PASS
	Ant2	5825	88.89	0.51	19.11	≤29.18	25.93	---	PASS
	total	5825	---	---	21.58	≤29.18	28.40	---	PASS
11AC40MIMO	Ant1	5190	81.25	0.90	10.12	≤23.55	16.55	---	PASS
	Ant2	5190	81.25	0.90	11.23	≤23.55	17.66	---	PASS
	total	5190	---	---	13.72	≤23.55	20.15	---	PASS
	Ant1	5230	81.25	0.90	10.39	≤23.55	16.82	---	PASS
	Ant2	5230	81.25	0.90	11.43	≤23.55	17.86	---	PASS
	total	5230	---	---	13.95	≤23.55	20.38	---	PASS
	Ant1	5270	81.25	0.90	10.41	≤23.55	16.84	---	PASS
			81.25	0.90	17.36	≤23.55	23.79	---	PASS
	Ant2	5270	81.25	0.90	10.03	≤23.55	16.46	---	PASS
			81.25	0.90	17.89	≤23.55	24.32	---	PASS
	total	5270	---	---	13.23	≤23.55	19.66	---	PASS
			---	---	20.64	≤23.55	27.07	---	PASS
	Ant1	5310	81.25	0.90	10.13	≤23.55	16.56	---	PASS
			81.25	0.90	17.25	≤23.55	23.68	---	PASS
	Ant2	5310	81.25	0.90	9.64	≤23.55	16.07	---	PASS
			81.25	0.90	17.76	≤23.55	24.19	---	PASS
	total	5310	---	---	12.90	≤23.55	19.33	---	PASS
			---	---	20.52	≤23.55	26.95	---	PASS
	Ant1	5510	81.25	0.90	17.76	≤23.38	24.36	---	PASS
			81.25	0.90	15.84	≤23.38	22.44	---	PASS
	Ant2	5510	81.25	0.90	18.52	≤23.38	25.12	---	PASS
			81.25	0.90	17.76	≤23.38	24.36	---	PASS
	total	5510	---	---	21.17	≤23.38	27.77	---	PASS
			---	---	19.92	≤23.38	26.52	---	PASS
	Ant1	5550	81.25	0.90	9.03	≤23.38	15.63	---	PASS
			81.25	0.90	15.98	≤23.38	22.58	---	PASS
	Ant2	5550	81.25	0.90	9.96	≤23.38	16.56	---	PASS
			81.25	0.90	18.09	≤23.38	24.69	---	PASS
	total	5550	---	---	12.53	≤23.38	19.13	---	PASS
			---	---	20.17	≤23.38	26.77	---	PASS
	Ant1	5670	81.25	0.90	10.43	≤23.38	17.03	---	PASS
			81.25	0.90	17.32	≤23.38	23.92	---	PASS
	Ant2	5670	81.25	0.90	17.80	≤23.38	24.40	---	PASS
			81.25	0.90	17.77	≤23.38	24.37	---	PASS
	total	5670	---	---	20.56	≤23.38	27.16	---	PASS
	Ant1	5710	81.25	0.90	8.56	≤23.38	15.16	---	PASS
			81.25	0.90	16.17	≤23.38	22.77	---	PASS
	Ant2	5710	81.25	0.90	9.21	≤23.38	15.81	---	PASS
			81.25	0.90	16.41	≤23.38	23.01	---	PASS
	total	5710	---	---	11.91	≤23.38	18.51	---	PASS
			---	---	19.30	≤23.38	25.90	---	PASS
	Ant1	5755	81.25	0.90	18.26	≤29.18	25.08	---	PASS
	Ant2	5755	81.25	0.90	18.75	≤29.18	25.57	---	PASS
	total	5755	---	---	21.52	≤29.18	28.34	---	PASS
	Ant1	5795	81.25	0.90	17.91	≤29.18	24.73	---	PASS

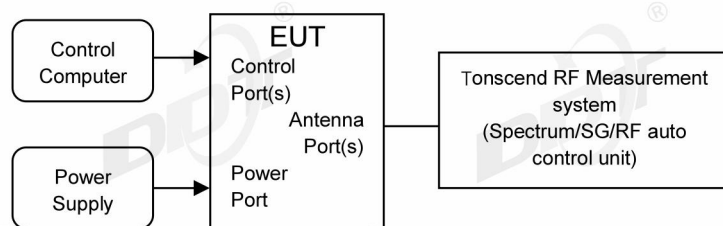
	Ant2	5795	81.25	0.90	18.82	≤29.18	25.64	---	PASS	
	total	5795	---	---	21.40	≤29.18	28.22	---	PASS	
11AC80MIMO	Ant1	5210	70.00	1.55	10.48	≤23.55	16.91	---	PASS	
	Ant2	5210	70.00	1.55	11.44	≤23.55	17.87	---	PASS	
	total	5210	---	---	14.00	≤23.55	20.43	---	PASS	
	Ant1	5290	71.43	1.46	7.35	≤23.55	13.78	---	PASS	
			71.43	1.46	14.31	≤23.55	20.74	---	PASS	
	Ant2	5290	71.43	1.46	6.81	≤23.55	13.24	---	PASS	
			71.43	1.46	14.77	≤23.55	21.20	---	PASS	
	total	5290	---	---	10.10	≤23.55	16.53	---	PASS	
			---	---	17.56	≤23.55	23.99	---	PASS	
	Ant1	5530	71.43	1.46	5.69	≤23.38	12.29	---	PASS	
			71.43	1.46	12.81	≤23.38	19.41	---	PASS	
	Ant2	5530	71.43	1.46	6.55	≤23.38	13.15	---	PASS	
			71.43	1.46	14.80	≤23.38	21.40	---	PASS	
	total	5530	---	---	9.15	≤23.38	15.75	---	PASS	
			---	---	16.93	≤23.38	23.53	---	PASS	
	Ant1	5610	70.00	1.55	7.17	≤23.38	13.77	---	PASS	
			70.00	1.55	13.99	≤23.38	20.59	---	PASS	
	Ant2	5610	70.00	1.55	7.38	≤23.38	13.98	---	PASS	
			70.00	1.55	15.49	≤23.38	22.09	---	PASS	
	total	5610	---	---	10.29	≤23.38	16.89	---	PASS	
			---	---	17.81	≤23.38	24.41	---	PASS	
	Ant1	5690	70.00	1.55	4.78	≤23.38	11.38	---	PASS	
			70.00	1.55	13.67	≤23.38	20.27	---	PASS	
	Ant2	5690	70.00	1.55	4.37	≤23.38	10.97	---	PASS	
			70.00	1.55	13.24	≤23.38	19.84	---	PASS	
	total	5690	---	---	7.59	≤23.38	14.19	---	PASS	
			---	---	16.47	≤23.38	23.07	---	PASS	
	Ant1	5775	70.00	1.55	17.39	≤29.18	24.21	---	PASS	
	Ant2	5775	71.43	1.46	16.83	≤29.18	23.65	---	PASS	
	total	5775	---	---	20.13	≤29.18	26.95	---	PASS	
	11AC160MIMO	Ant1	5250	66.67	1.76	2.30	≤23.55	8.73	---	PASS
				66.67	1.76	8.78	≤23.55	15.21	---	PASS
Ant2		5250	66.67	1.76	2.16	≤23.55	8.59	---	PASS	
			66.67	1.76	8.77	≤23.55	15.20	---	PASS	
total		5250	---	---	5.24	≤23.55	11.67	---	PASS	
			---	---	11.79	≤23.55	18.22	---	PASS	
Ant1		5570	66.67	1.76	1.39	≤23.38	7.99	---	PASS	
	66.67		1.76	7.52	≤23.38	14.12	---	PASS		
Ant2	5570	66.67	1.76	8.07	≤23.38	14.67	---	PASS		
total	5570	---	---	10.81	≤23.38	17.41	---	PASS		
11AX20MIMO	Ant1	5180	87.76	0.57	9.35	≤23.55	15.78	---	PASS	
	Ant2	5180	87.76	0.57	10.22	≤23.55	16.65	---	PASS	
	total	5180	---	---	12.82	≤23.55	19.25	---	PASS	
	Ant1	5200	87.76	0.57	9.52	≤23.55	15.95	---	PASS	
	Ant2	5200	87.76	0.57	10.15	≤23.55	16.58	---	PASS	
	total	5200	---	---	12.86	≤23.55	19.29	---	PASS	
	Ant1	5240	87.76	0.57	9.91	≤23.55	16.34	---	PASS	
	Ant2	5240	87.76	0.57	10.49	≤23.55	16.92	---	PASS	
	total	5240	---	---	13.22	≤23.55	19.65	---	PASS	
	Ant1	5260	87.76	0.57	9.93	≤23.55	16.36	---	PASS	
			87.76	0.57	17.02	≤23.55	23.45	---	PASS	
	Ant2	5260	87.76	0.57	9.72	≤23.55	16.15	---	PASS	
			87.76	0.57	16.97	≤23.55	23.40	---	PASS	
	total	5260	---	---	12.84	≤23.55	19.27	---	PASS	
			---	---	20.01	≤23.55	26.44	---	PASS	
	Ant1	5280	87.76	0.57	9.86	≤23.55	16.29	---	PASS	
			87.76	0.57	16.92	≤23.55	23.35	---	PASS	
	Ant2	5280	87.76	0.57	9.58	≤23.55	16.01	---	PASS	
			87.76	0.57	17.03	≤23.55	23.46	---	PASS	
	total	5280	---	---	12.73	≤23.55	19.16	---	PASS	
---			---	19.99	≤23.55	26.42	---	PASS		
Ant1	5320	87.76	0.57	9.30	≤23.55	15.73	---	PASS		

	Ant2	5320	87.76	0.57	16.51	≤23.55	22.94	---	PASS
			87.76	0.57	8.86	≤23.55	15.29	---	PASS
			87.76	0.57	16.86	≤23.55	23.29	---	PASS
	total	5320	---	---	12.10	≤23.55	18.53	---	PASS
			---	---	19.70	≤23.55	26.13	---	PASS
	Ant1	5500	87.76	0.57	7.86	≤23.38	14.46	---	PASS
			87.76	0.57	15.08	≤23.38	21.68	---	PASS
	Ant2	5500	87.76	0.57	8.76	≤23.38	15.36	---	PASS
			87.76	0.57	17.17	≤23.38	23.77	---	PASS
	total	5500	---	---	11.34	≤23.38	17.94	---	PASS
			---	---	19.26	≤23.38	25.86	---	PASS
	Ant1	5580	87.76	0.57	8.74	≤23.38	15.34	---	PASS
			87.76	0.57	15.81	≤23.38	22.41	---	PASS
	Ant2	5580	87.76	0.57	9.60	≤23.38	16.20	---	PASS
			87.76	0.57	17.65	≤23.38	24.25	---	PASS
	total	5580	---	---	12.20	≤23.38	18.80	---	PASS
			---	---	19.84	≤23.38	26.44	---	PASS
	Ant1	5700	87.76	0.57	9.19	≤23.38	15.79	---	PASS
			87.76	0.57	16.18	≤23.38	22.78	---	PASS
	Ant2	5700	87.76	0.57	9.37	≤23.38	15.97	---	PASS
			87.76	0.57	17.39	≤23.38	23.99	---	PASS
	total	5700	---	---	12.29	≤23.38	18.89	---	PASS
			---	---	19.84	≤23.38	26.44	---	PASS
	Ant1	5720	87.76	0.57	8.40	≤23.38	15.00	---	PASS
			87.76	0.57	15.51	≤23.38	22.11	---	PASS
	Ant2	5720	87.76	0.57	8.86	≤23.38	15.46	---	PASS
			87.76	0.57	15.86	≤23.38	22.46	---	PASS
	total	5720	---	---	11.65	≤23.38	18.25	---	PASS
			---	---	18.70	≤23.38	25.30	---	PASS
	Ant1	5745	87.76	0.57	18.52	≤29.18	25.34	---	PASS
	Ant2	5745	87.76	0.57	19.08	≤29.18	25.90	---	PASS
	total	5745	---	---	21.82	≤29.18	28.64	---	PASS
	Ant1	5785	87.76	0.57	18.35	≤29.18	25.17	---	PASS
	Ant2	5785	87.76	0.57	19.28	≤29.18	26.10	---	PASS
	total	5785	---	---	21.85	≤29.18	28.67	---	PASS
	Ant1	5825	87.76	0.57	18.08	≤29.18	24.90	---	PASS
	Ant2	5825	87.76	0.57	19.31	≤29.18	26.13	---	PASS
	total	5825	---	---	21.75	≤29.18	28.57	---	PASS
11AX40MIMO	Ant1	5190	81.82	0.87	10.78	≤23.55	17.21	---	PASS
	Ant2	5190	81.82	0.87	11.46	≤23.55	17.89	---	PASS
	total	5190	---	---	14.14	≤23.55	20.57	---	PASS
	Ant1	5230	81.82	0.87	10.95	≤23.55	17.38	---	PASS
	Ant2	5230	81.82	0.87	11.47	≤23.55	17.90	---	PASS
	total	5230	---	---	14.23	≤23.55	20.66	---	PASS
	Ant1	5270	81.82	0.87	11.15	≤23.55	17.58	---	PASS
			81.82	0.87	17.71	≤23.55	24.14	---	PASS
	Ant2	5270	81.82	0.87	10.88	≤23.55	17.31	---	PASS
			81.82	0.87	17.94	≤23.55	24.37	---	PASS
	total	5270	---	---	14.03	≤23.55	20.46	---	PASS
			---	---	20.84	≤23.55	27.27	---	PASS
	Ant1	5310	81.82	0.87	10.84	≤23.55	17.27	---	PASS
			81.82	0.87	17.55	≤23.55	23.98	---	PASS
	Ant2	5310	81.82	0.87	10.36	≤23.55	16.79	---	PASS
			81.82	0.87	17.09	≤23.55	23.52	---	PASS
	total	5310	---	---	13.62	≤23.55	20.05	---	PASS
			---	---	20.34	≤23.55	26.77	---	PASS
	Ant1	5510	81.82	0.87	9.44	≤23.38	16.04	---	PASS
			81.82	0.87	16.35	≤23.38	22.95	---	PASS
	Ant2	5510	81.82	0.87	10.25	≤23.38	16.85	---	PASS
			81.82	0.87	16.92	≤23.38	23.52	---	PASS
	total	5510	---	---	12.87	≤23.38	19.47	---	PASS
			---	---	19.65	≤23.38	26.25	---	PASS
	Ant1	5550	81.82	0.87	9.65	≤23.38	16.25	---	PASS
			81.82	0.87	16.37	≤23.38	22.97	---	PASS

	Ant2	5550	81.82	0.87	10.59	≤23.38	17.19	---	PASS
			81.82	0.87	17.70	≤23.38	24.30	---	PASS
	total	5550	---	---	13.16	≤23.38	19.76	---	PASS
			---	---	20.10	≤23.38	26.70	---	PASS
	Ant1	5670	81.82	0.87	11.04	≤23.38	17.64	---	PASS
			81.82	0.87	17.63	≤23.38	24.23	---	PASS
	Ant2	5670	81.82	0.87	10.37	≤23.38	16.97	---	PASS
			81.82	0.87	17.24	≤23.38	23.84	---	PASS
	total	5670	---	---	13.73	≤23.38	20.33	---	PASS
			---	---	20.45	≤23.38	27.05	---	PASS
	Ant1	5710	81.82	0.87	8.12	≤23.38	14.72	---	PASS
			81.82	0.87	16.37	≤23.38	22.97	---	PASS
	Ant2	5710	81.82	0.87	8.71	≤23.38	15.31	---	PASS
			81.82	0.87	16.71	≤23.38	23.31	---	PASS
	total	5710	---	---	11.44	≤23.38	18.04	---	PASS
			---	---	19.55	≤23.38	26.15	---	PASS
	Ant1	5755	81.25	0.90	17.27	≤29.18	24.09	---	PASS
	Ant2	5755	81.25	0.90	16.91	≤29.18	23.73	---	PASS
	total	5755	---	---	20.10	≤29.18	26.92	---	PASS
	Ant1	5795	81.25	0.90	17.21	≤29.18	24.03	---	PASS
	Ant2	5795	81.25	0.90	16.87	≤29.18	23.69	---	PASS
	total	5795	---	---	20.05	≤29.18	26.87	---	PASS
11AX80MIMO	Ant1	5210	70.00	1.55	9.75	≤23.55	16.18	---	PASS
	Ant2	5210	71.43	1.46	10.09	≤23.55	16.52	---	PASS
	total	5210	---	---	12.93	≤23.55	19.36	---	PASS
	Ant1	5290	70.00	1.55	8.00	≤23.55	14.43	---	PASS
			70.00	1.55	13.65	≤23.55	20.08	---	PASS
	Ant2	5290	71.43	1.46	7.48	≤23.55	13.91	---	PASS
			71.43	1.46	12.86	≤23.55	19.29	---	PASS
	total	5290	---	---	10.76	≤23.55	17.19	---	PASS
			---	---	16.28	≤23.55	22.71	---	PASS
	Ant1	5530	70.00	1.55	6.55	≤23.38	13.15	---	PASS
			70.00	1.55	12.24	≤23.38	18.84	---	PASS
	Ant2	5530	71.43	1.46	7.07	≤23.38	13.67	---	PASS
			71.43	1.46	12.87	≤23.38	19.47	---	PASS
	total	5530	---	---	9.83	≤23.38	16.43	---	PASS
			---	---	15.58	≤23.38	22.18	---	PASS
	Ant1	5610	71.43	1.46	7.86	≤23.38	14.46	---	PASS
			71.43	1.46	13.00	≤23.38	19.60	---	PASS
	Ant2	5610	70.00	1.55	8.12	≤23.38	14.72	---	PASS
			70.00	1.55	13.68	≤23.38	20.28	---	PASS
	total	5610	---	---	11.00	≤23.38	17.60	---	PASS
			---	---	16.36	≤23.38	22.96	---	PASS
11AX160MIMO	Ant1	5250	87.23	0.59	2.46	≤23.55	8.89	---	PASS
			87.23	0.59	9.02	≤23.55	15.45	---	PASS
	Ant2	5250	89.13	0.50	2.27	≤23.55	8.70	---	PASS
			89.13	0.50	9.15	≤23.55	15.58	---	PASS
	total	5250	---	---	5.38	≤23.55	11.81	---	PASS
			---	---	12.10	≤23.55	18.53	---	PASS
	Ant1	5570	89.13	0.50	1.26	≤23.38	7.86	---	PASS
			89.13	0.50	8.01	≤23.38	14.61	---	PASS
	Ant2	5570	89.36	0.49	2.10	≤23.38	8.70	---	PASS
			89.36	0.49	8.51	≤23.38	15.11	---	PASS
	total	5570	---	---	4.71	≤23.38	11.31	---	PASS
			---	---	11.28	≤23.38	17.88	---	PASS

9. Power Spectral Density

9.1. Block diagram of test setup



9.2. Limits

FCC Part15, Subpart E/ RSS-247		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	For FCC: Other than Mobile and portable:17 dBm/MHz Mobile and portable client devices:11 dBm/MHz	5150-5250
	For RSS eirp: 10 dBm/MHz	
	11 dBm/MHz	5250-5350
	11 dBm/MHz	For FCC: 5470 - 5725 For ISDE: 5470 - 5600 5650 - 5725
	30 dBm/500 kHz	5725-5850
Note: For 802.11n, 802.11ac and 802.11ax, the EUT incorporates a MIMO function. 5150MHz-5350MHz, The Antenna directional gain is 6.43 dBi. The Power Spectral Density limit is the above limits-(6.43-6) dB. 5470MHz-55850MHz, The Antenna directional gain is 6.43 dBi. The Power Spectral Density limit is the above limits-(6.6-6) dB.		

9.3. Test procedure

The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW.

Connect the UUT to the spectrum analyser and use the following settings:

5150 MHz~5250 MHz, 5250 MHz~5350 MHz, 5470 MHz~5725 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	1MHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

5725 MHz-5850 MHz

Center Frequency	The centre frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	$\geq 3 \times \text{RBW}$
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

9.4. Test result

Test Engineer:	Zora Zhang	Test Site:	RF Measurement System 1#
Ambient Condition:	23.6℃,64%RH	Test Date:	2024.01.29-2024.02.21
Test Power Supply:	AC230V/50Hz	EUT:	Mercku M6s Nano Mesh Wi-Fi Router
Sample Number:	S23111605-01	Model No.:	MBAA0

Test Mode	Antenna	Frequency[MHz]	Result [dBm/MHz]	FCC Limit [dBm/MHz]	ISED Limit [dBm/MHz]	Verdict
11A	Ant1	5180	1.66	≤10.57	≤9.57	PASS
	Ant2	5180	2.51	≤10.57	≤9.57	PASS
	Ant1	5200	1.87	≤10.57	≤9.57	PASS
	Ant2	5200	2.61	≤10.57	≤9.57	PASS
	Ant1	5240	1.94	≤10.57	≤9.57	PASS
	Ant2	5240	2.64	≤10.57	≤9.57	PASS
	Ant1	5260	9.43	≤10.57	--	PASS
	Ant2	5260	9.08	≤10.57	--	PASS
	Ant1	5280	9.38	≤10.57	--	PASS
	Ant2	5280	9.54	≤10.57	--	PASS
	Ant1	5320	8.99	≤10.57	--	PASS
	Ant2	5320	9.21	≤10.57	--	PASS
	Ant1	5500	7.33	≤10.40	--	PASS
	Ant2	5500	9.28	≤10.40	--	PASS
	Ant1	5580	7.74	≤10.40	--	PASS
	Ant2	5580	9.47	≤10.40	--	PASS
	Ant1	5700	8.24	≤10.40	--	PASS
	Ant2	5700	9.48	≤10.40	--	PASS
	Ant1	5720 UNII-2C	6.95	≤10.40	--	PASS
	Ant2	5720 UNII-2C	7.40	≤10.40	--	PASS
	Ant1	5720 UNII-3	3.16	≤29.18	--	PASS
	Ant2	5720 UNII-3	3.55	≤29.18	--	PASS
	Ant1	5745	7.18	≤29.18	--	PASS
	Ant2	5745	7.55	≤29.18	--	PASS
	Ant1	5785	7.18	≤29.18	--	PASS
	Ant2	5785	7.69	≤29.18	--	PASS
	Ant1	5825	6.65	≤29.18	--	PASS
	Ant2	5825	7.38	≤29.18	--	PASS
11N20MIMO	Ant1	5180	-3.20	≤10.57	≤9.57	PASS
	Ant2	5180	-1.53	≤10.57	≤9.57	PASS
	total	5180	0.73	≤10.57	≤9.57	PASS
	Ant1	5200	-3.12	≤10.57	≤9.57	PASS
	Ant2	5200	-1.72	≤10.57	≤9.57	PASS
	total	5200	0.65	≤10.57	≤9.57	PASS
	Ant1	5240	-3.11	≤10.57	≤9.57	PASS
	Ant2	5240	-1.67	≤10.57	≤9.57	PASS
	total	5240	0.68	≤10.57	≤9.57	PASS
	Ant1	5260	3.42	≤10.57	--	PASS
	Ant2	5260	3.97	≤10.57	--	PASS
	total	5260	6.71	≤10.57	--	PASS
	Ant1	5280	3.54	≤10.57	--	PASS
	Ant2	5280	4.15	≤10.57	--	PASS
	total	5280	6.87	≤10.57	--	PASS
	Ant1	5320	3.06	≤10.57	--	PASS
	Ant2	5320	3.84	≤10.57	--	PASS
	total	5320	6.48	≤10.57	--	PASS
	Ant1	5500	1.32	≤10.40	--	PASS
	Ant2	5500	3.21	≤10.40	--	PASS
	total	5500	5.38	≤10.40	--	PASS
	Ant1	5580	1.70	≤10.40	--	PASS
	Ant2	5580	3.74	≤10.40	--	PASS
	total	5580	5.85	≤10.40	--	PASS
	Ant1	5700	2.43	≤10.40	--	PASS
	Ant2	5700	3.60	≤10.40	--	PASS

	total	5700	6.06	≤10.40	--	PASS
	Ant1	5720 UNII-2C	2.58	≤10.40	--	PASS
	Ant2	5720 UNII-2C	2.88	≤10.40	--	PASS
	total	5720 UNII-2C	5.74	≤10.40	--	PASS
	Ant1	5720 UNII-3	-1.35	≤29.18	--	PASS
	Ant2	5720 UNII-3	-0.83	≤29.18	--	PASS
	total	5720 UNII-3	1.93	≤29.18	--	PASS
	Ant1	5745	2.07	≤29.18	--	PASS
	Ant2	5745	2.70	≤29.18	--	PASS
	total	5745	5.41	≤29.18	--	PASS
	Ant1	5785	2.18	≤29.18	--	PASS
	Ant2	5785	3.20	≤29.18	--	PASS
	total	5785	5.73	≤29.18	--	PASS
	Ant1	5825	1.79	≤29.18	--	PASS
	Ant2	5825	2.89	≤29.18	--	PASS
	total	5825	5.39	≤29.18	--	PASS
11N40MIMO	Ant1	5190	-4.19	≤10.57	≤9.57	PASS
	Ant2	5190	-2.66	≤10.57	≤9.57	PASS
	total	5190	-0.35	≤10.57	≤9.57	PASS
	Ant1	5230	-4.16	≤10.57	≤9.57	PASS
	Ant2	5230	-2.73	≤10.57	≤9.57	PASS
	total	5230	-0.38	≤10.57	≤9.57	PASS
	Ant1	5270	3.00	≤10.57	--	PASS
	Ant2	5270	3.78	≤10.57	--	PASS
	total	5270	6.42	≤10.57	--	PASS
	Ant1	5310	2.88	≤10.57	--	PASS
	Ant2	5310	3.46	≤10.57	--	PASS
	total	5310	6.19	≤10.57	--	PASS
	Ant1	5510	-0.58	≤10.40	--	PASS
	Ant2	5510	1.45	≤10.40	--	PASS
	total	5510	3.56	≤10.40	--	PASS
	Ant1	5550	1.55	≤10.40	--	PASS
	Ant2	5550	3.36	≤10.40	--	PASS
	total	5550	5.56	≤10.40	--	PASS
	Ant1	5670	2.48	≤10.40	--	PASS
	Ant2	5670	2.91	≤10.40	--	PASS
	total	5670	5.71	≤10.40	--	PASS
	Ant1	5710 UNII-2C	2.94	≤10.40	--	PASS
	Ant2	5710 UNII-2C	3.39	≤10.40	--	PASS
	total	5710 UNII-2C	6.18	≤10.40	--	PASS
	Ant1	5710 UNII-3	-3.40	≤29.18	--	PASS
	Ant2	5710 UNII-3	-2.79	≤29.18	--	PASS
	total	5710 UNII-3	-0.07	≤29.18	--	PASS
	Ant1	5755	1.91	≤29.18	--	PASS
	Ant2	5755	2.75	≤29.18	--	PASS
	total	5755	5.36	≤29.18	--	PASS
	Ant1	5795	2.10	≤29.18	--	PASS
	Ant2	5795	3.26	≤29.18	--	PASS
	total	5795	5.73	≤29.18	--	PASS
11AC20MIMO	Ant1	5180	-1.71	≤10.57	≤9.57	PASS
	Ant2	5180	-0.50	≤10.57	≤9.57	PASS
	total	5180	1.95	≤10.57	≤9.57	PASS
	Ant1	5200	-1.39	≤10.57	≤9.57	PASS
	Ant2	5200	-0.75	≤10.57	≤9.57	PASS
	total	5200	1.95	≤10.57	≤9.57	PASS
	Ant1	5240	-1.44	≤10.57	≤9.57	PASS
	Ant2	5240	-0.50	≤10.57	≤9.57	PASS
	total	5240	2.07	≤10.57	≤9.57	PASS
	Ant1	5260	6.12	≤10.57	--	PASS
	Ant2	5260	6.31	≤10.57	--	PASS
	total	5260	9.23	≤10.57	--	PASS
	Ant1	5280	5.93	≤10.57	--	PASS
	Ant2	5280	6.46	≤10.57	--	PASS
	total	5280	9.21	≤10.57	--	PASS

	Ant1	5320	5.52	≤10.57	--	PASS
	Ant2	5320	6.00	≤10.57	--	PASS
	total	5320	8.78	≤10.57	--	PASS
	Ant1	5500	3.96	≤10.40	--	PASS
	Ant2	5500	6.20	≤10.40	--	PASS
	total	5500	8.23	≤10.40	--	PASS
	Ant1	5580	4.35	≤10.40	--	PASS
	Ant2	5580	6.60	≤10.40	--	PASS
	total	5580	8.63	≤10.40	--	PASS
	Ant1	5700	5.11	≤10.40	--	PASS
	Ant2	5700	5.69	≤10.40	--	PASS
	total	5700	8.42	≤10.40	--	PASS
	Ant1	5720_UNII-2C	3.54	≤10.40	--	PASS
	Ant2	5720_UNII-2C	4.18	≤10.40	--	PASS
	total	5720_UNII-2C	6.88	≤10.40	--	PASS
	Ant1	5720_UNII-3	-0.46	≤29.18	--	PASS
	Ant2	5720_UNII-3	0.19	≤29.18	--	PASS
	total	5720_UNII-3	2.89	≤29.18	--	PASS
	Ant1	5745	5.03	≤29.18	--	PASS
	Ant2	5745	5.43	≤29.18	--	PASS
	total	5745	8.24	≤29.18	--	PASS
	Ant1	5785	4.94	≤29.18	--	PASS
	Ant2	5785	6.10	≤29.18	--	PASS
	total	5785	8.57	≤29.18	--	PASS
	Ant1	5825	4.53	≤29.18	--	PASS
	Ant2	5825	5.92	≤29.18	--	PASS
	total	5825	8.29	≤29.18	--	PASS
11AC40MIMO	Ant1	5190	-2.64	≤10.57	≤9.57	PASS
	Ant2	5190	-1.60	≤10.57	≤9.57	PASS
	total	5190	0.92	≤10.57	≤9.57	PASS
	Ant1	5230	-2.79	≤10.57	≤9.57	PASS
	Ant2	5230	-1.68	≤10.57	≤9.57	PASS
	total	5230	0.81	≤10.57	≤9.57	PASS
	Ant1	5270	4.76	≤10.57	--	PASS
	Ant2	5270	5.08	≤10.57	--	PASS
	total	5270	7.93	≤10.57	--	PASS
	Ant1	5310	4.76	≤10.57	--	PASS
	Ant2	5310	5.35	≤10.57	--	PASS
	total	5310	8.08	≤10.57	--	PASS
	Ant1	5510	3.03	≤10.40	--	PASS
	Ant2	5510	5.04	≤10.40	--	PASS
	total	5510	7.16	≤10.40	--	PASS
	Ant1	5550	3.17	≤10.40	--	PASS
	Ant2	5550	5.45	≤10.40	--	PASS
	total	5550	7.47	≤10.40	--	PASS
	Ant1	5670	4.33	≤10.40	--	PASS
	Ant2	5670	4.69	≤10.40	--	PASS
	total	5670	7.52	≤10.40	--	PASS
	Ant1	5710_UNII-2C	2.97	≤10.40	--	PASS
	Ant2	5710_UNII-2C	3.43	≤10.40	--	PASS
	total	5710_UNII-2C	6.22	≤10.40	--	PASS
	Ant1	5710_UNII-3	-3.35	≤29.18	--	PASS
	Ant2	5710_UNII-3	-2.72	≤29.18	--	PASS
	total	5710_UNII-3	-0.01	≤29.18	--	PASS
	Ant1	5755	2.45	≤29.18	--	PASS
	Ant2	5755	3.05	≤29.18	--	PASS
	total	5755	5.77	≤29.18	--	PASS
	Ant1	5795	2.64	≤29.18	--	PASS
	Ant2	5795	3.90	≤29.18	--	PASS
	total	5795	6.33	≤29.18	--	PASS
11AC80MIMO	Ant1	5210	-4.62	≤10.57	≤9.57	PASS
	Ant2	5210	-4.05	≤10.57	≤9.57	PASS
	total	5210	-1.32	≤10.57	≤9.57	PASS
	Ant1	5290	-1.17	≤10.57	≤9.57	PASS

	Ant2	5290	-0.87	≤10.57	≤9.57	PASS
	total	5290	1.99	≤10.57	≤9.57	PASS
	Ant1	5530	-2.70	≤10.40	--	PASS
	Ant2	5530	-0.27	≤10.40	--	PASS
	total	5530	1.69	≤10.40	--	PASS
	Ant1	5610	-1.56	≤10.40	--	PASS
	Ant2	5610	-0.52	≤10.40	--	PASS
	total	5610	2.00	≤10.40	--	PASS
	Ant1	5690 UNII-2C	-2.09	≤10.40	--	PASS
	Ant2	5690 UNII-2C	-2.91	≤10.40	--	PASS
	total	5690 UNII-2C	0.53	≤10.40	--	PASS
	Ant1	5690 UNII-3	-8.71	≤29.18	--	PASS
	Ant2	5690 UNII-3	-9.44	≤29.18	--	PASS
	total	5690 UNII-3	-6.05	≤29.18	--	PASS
	Ant1	5775	-1.18	≤29.18	--	PASS
	Ant2	5775	-1.67	≤29.18	--	PASS
	total	5775	1.59	≤29.18	--	PASS
11AC160MIMO	Ant1	5250 UNII-1	-9.36	≤10.57	≤9.57	PASS
	Ant2	5250 UNII-1	-8.84	≤10.57	≤9.57	PASS
	total	5250 UNII-1	-6.08	≤10.57	≤9.57	PASS
	Ant1	5250 UNII-2A	-9.53	≤10.57	--	PASS
	Ant2	5250 UNII-2A	-9.67	≤10.57	--	PASS
	total	5250 UNII-2A	-6.59	≤10.57	--	PASS
	Ant1	5570	-10.74	≤10.40	--	PASS
	Ant2	5570	-10.06	≤10.40	--	PASS
	total	5570	-7.38	≤10.40	--	PASS
11AX20MIMO	Ant1	5180	-1.74	≤10.57	≤9.57	PASS
	Ant2	5180	-0.94	≤10.57	≤9.57	PASS
	total	5180	1.69	≤10.57	≤9.57	PASS
	Ant1	5200	-1.56	≤10.57	≤9.57	PASS
	Ant2	5200	-1.25	≤10.57	≤9.57	PASS
	total	5200	1.61	≤10.57	≤9.57	PASS
	Ant1	5240	-1.21	≤10.57	≤9.57	PASS
	Ant2	5240	-0.59	≤10.57	≤9.57	PASS
	total	5240	2.12	≤10.57	≤9.57	PASS
	Ant1	5260	5.95	≤10.57	--	PASS
	Ant2	5260	5.92	≤10.57	--	PASS
	total	5260	8.95	≤10.57	--	PASS
	Ant1	5280	5.96	≤10.57	--	PASS
	Ant2	5280	6.01	≤10.57	--	PASS
	total	5280	9.00	≤10.57	--	PASS
	Ant1	5320	5.51	≤10.57	--	PASS
	Ant2	5320	5.84	≤10.57	--	PASS
	total	5320	8.69	≤10.57	--	PASS
	Ant1	5500	3.98	≤10.40	--	PASS
	Ant2	5500	5.72	≤10.40	--	PASS
	total	5500	7.95	≤10.40	--	PASS
	Ant1	5580	4.36	≤10.40	--	PASS
	Ant2	5580	6.46	≤10.40	--	PASS
	total	5580	8.55	≤10.40	--	PASS
	Ant1	5700	4.90	≤10.40	--	PASS
	Ant2	5700	5.82	≤10.40	--	PASS
	total	5700	8.39	≤10.40	--	PASS
	Ant1	5720 UNII-2C	3.70	≤10.40	--	PASS
	Ant2	5720 UNII-2C	3.99	≤10.40	--	PASS
	total	5720 UNII-2C	6.86	≤10.40	--	PASS
	Ant1	5720 UNII-3	0.10	≤29.18	--	PASS
	Ant2	5720 UNII-3	0.40	≤29.18	--	PASS
	total	5720 UNII-3	3.26	≤29.18	--	PASS
	Ant1	5745	4.81	≤29.18	--	PASS
	Ant2	5745	5.30	≤29.18	--	PASS
	total	5745	8.07	≤29.18	--	PASS
	Ant1	5785	4.75	≤29.18	--	PASS
	Ant2	5785	5.78	≤29.18	--	PASS

	total	5785	8.31	≤29.18	--	PASS
	Ant1	5825	4.24	≤29.18	--	PASS
	Ant2	5825	5.46	≤29.18	--	PASS
	total	5825	7.90	≤29.18	--	PASS
11AX40MIMO	Ant1	5190	-2.28	≤10.57	≤9.57	PASS
	Ant2	5190	-2.29	≤10.57	≤9.57	PASS
	total	5190	0.73	≤10.57	≤9.57	PASS
	Ant1	5230	-2.17	≤10.57	≤9.57	PASS
	Ant2	5230	-2.02	≤10.57	≤9.57	PASS
	total	5230	0.92	≤10.57	≤9.57	PASS
	Ant1	5270	4.59	≤10.57	--	PASS
	Ant2	5270	4.82	≤10.57	--	PASS
	total	5270	7.72	≤10.57	--	PASS
	Ant1	5310	4.45	≤10.57	--	PASS
	Ant2	5310	4.27	≤10.57	--	PASS
	total	5310	7.37	≤10.57	--	PASS
	Ant1	5510	3.41	≤10.40	--	PASS
	Ant2	5510	4.04	≤10.40	--	PASS
	total	5510	6.75	≤10.40	--	PASS
	Ant1	5550	3.37	≤10.40	--	PASS
	Ant2	5550	4.50	≤10.40	--	PASS
	total	5550	6.98	≤10.40	--	PASS
	Ant1	5670	4.32	≤10.40	--	PASS
	Ant2	5670	3.84	≤10.40	--	PASS
	total	5670	7.10	≤10.40	--	PASS
	Ant1	5710 UNII-2C	3.42	≤10.40	--	PASS
	Ant2	5710 UNII-2C	3.51	≤10.40	--	PASS
	total	5710 UNII-2C	6.48	≤10.40	--	PASS
	Ant1	5710 UNII-3	-3.48	≤29.18	--	PASS
	Ant2	5710 UNII-3	-2.45	≤29.18	--	PASS
	total	5710 UNII-3	0.08	≤29.18	--	PASS
	Ant1	5755	1.20	≤29.18	--	PASS
	Ant2	5755	1.06	≤29.18	--	PASS
	total	5755	4.14	≤29.18	--	PASS
	Ant1	5795	1.19	≤29.18	--	PASS
	Ant2	5795	1.13	≤29.18	--	PASS
	total	5795	4.17	≤29.18	--	PASS
11AX80MIMO	Ant1	5210	-6.18	≤10.57	≤9.57	PASS
	Ant2	5210	-5.60	≤10.57	≤9.57	PASS
	total	5210	-2.87	≤10.57	≤9.57	PASS
	Ant1	5290	-2.34	≤10.57	≤9.57	PASS
	Ant2	5290	-2.53	≤10.57	≤9.57	PASS
	total	5290	0.58	≤10.57	≤9.57	PASS
	Ant1	5530	-3.41	≤10.40	--	PASS
	Ant2	5530	-2.89	≤10.40	--	PASS
	total	5530	-0.13	≤10.40	--	PASS
	Ant1	5610	-2.65	≤10.40	--	PASS
	Ant2	5610	-2.27	≤10.40	--	PASS
	total	5610	0.55	≤10.40	--	PASS
	Ant1	5690 UNII-2C	-2.33	≤10.40	--	PASS
	Ant2	5690 UNII-2C	-2.85	≤10.40	--	PASS
	total	5690 UNII-2C	0.43	≤10.40	--	PASS
	Ant1	5690 UNII-3	-8.65	≤29.18	--	PASS
	Ant2	5690 UNII-3	-9.23	≤29.18	--	PASS
	total	5690 UNII-3	-5.92	≤29.18	--	PASS
	Ant1	5775	-0.95	≤29.18	--	PASS
	Ant2	5775	-1.26	≤29.18	--	PASS
	total	5775	1.91	≤29.18	--	PASS
11AX160MIMO	Ant1	5250 UNII-1	-10.10	≤10.57	≤9.57	PASS
	Ant2	5250 UNII-1	-9.74	≤10.57	≤9.57	PASS
	total	5250 UNII-1	-6.91	≤10.57	≤9.57	PASS
	Ant1	5250 UNII-2A	-10.20	≤10.57	--	PASS
	Ant2	5250 UNII-2A	-10.13	≤10.57	--	PASS
	total	5250 UNII-2A	-7.15	≤10.57	--	PASS

	Ant1	5570	-11.36	≤ 10.40	--	PASS
	Ant2	5570	-10.58	≤ 10.40	--	PASS
	total	5570	-7.94	≤ 10.40	--	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.

2.The Duty Cycle Factor is compensated in the graph.