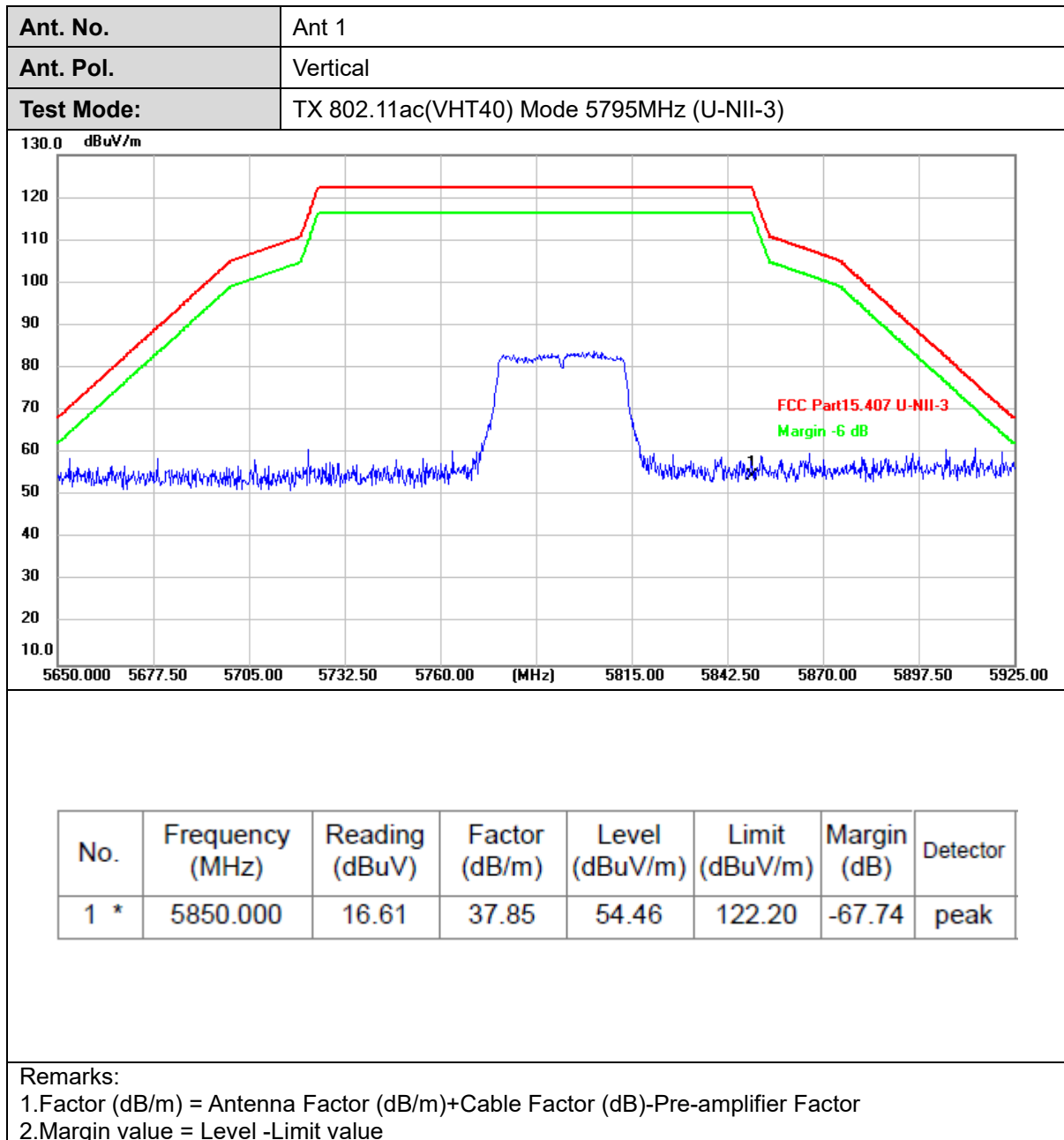
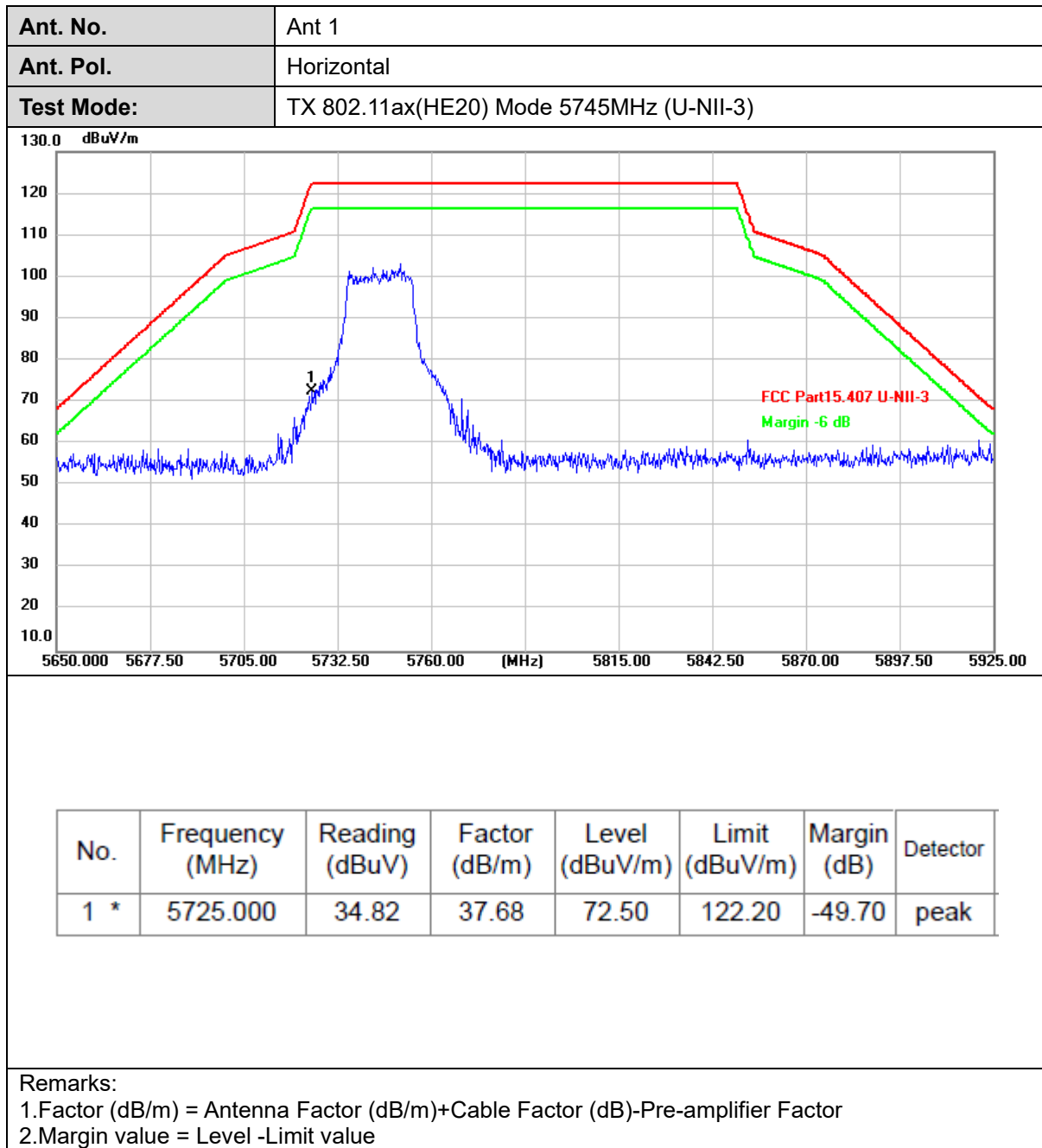
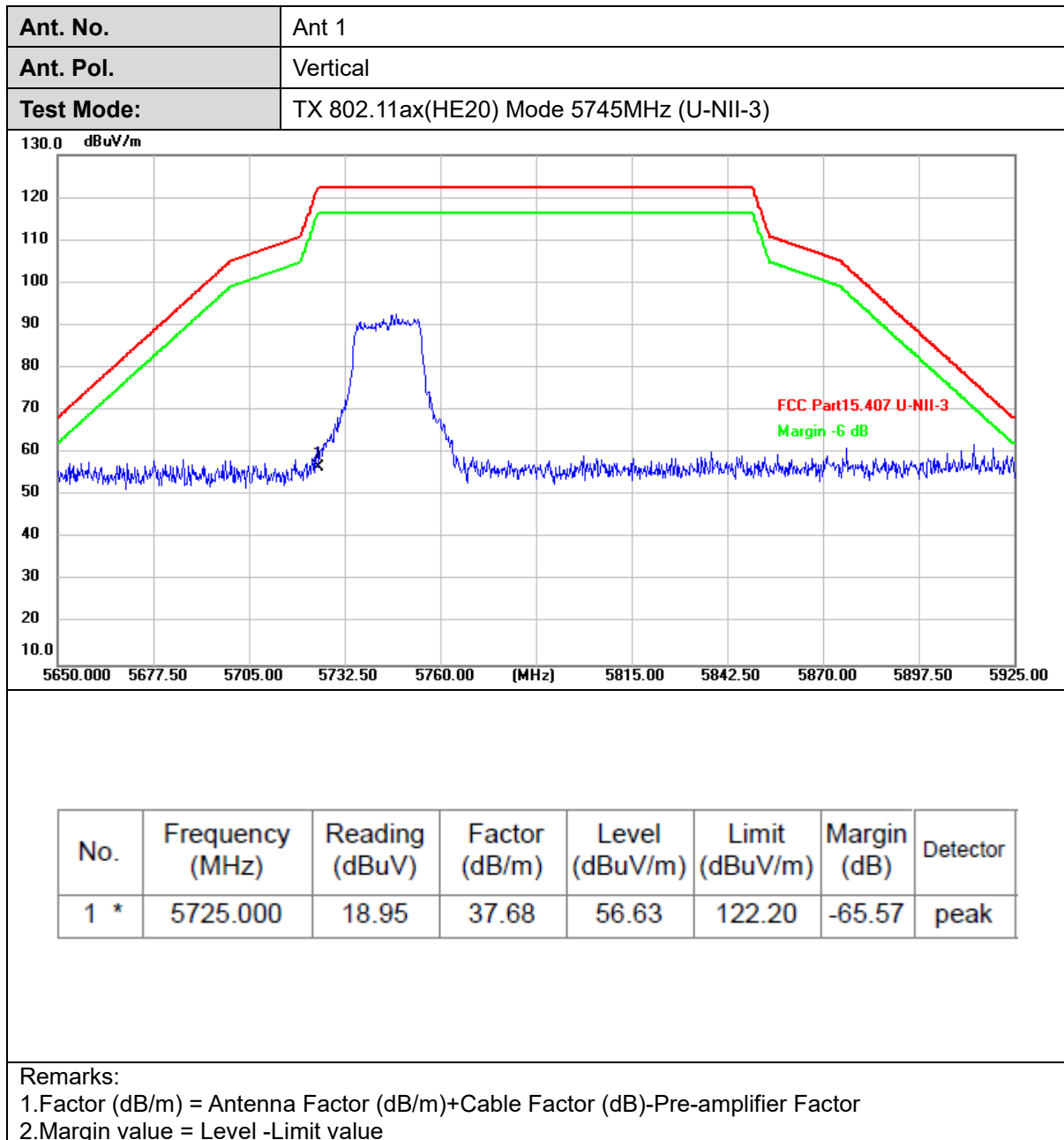
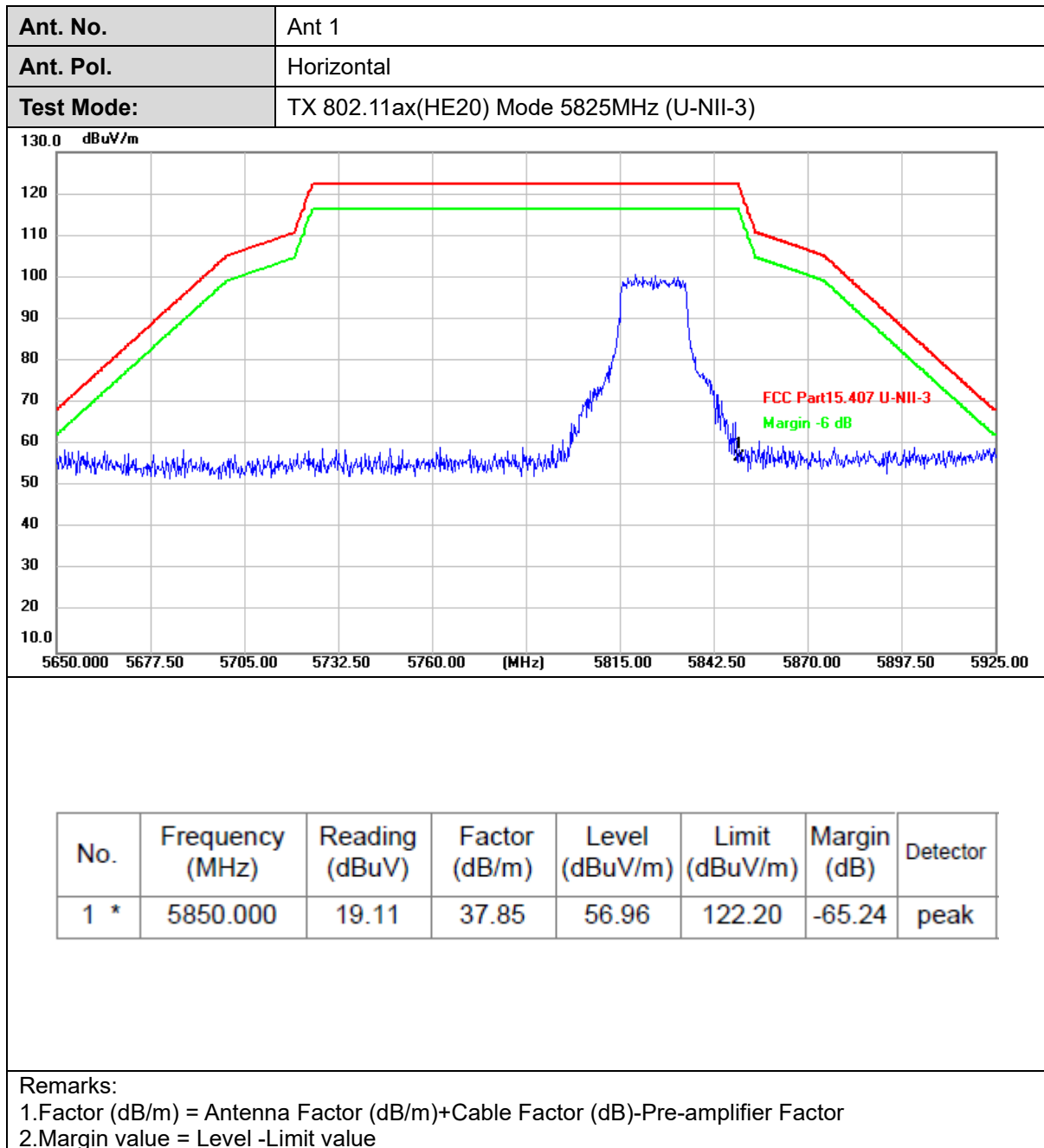
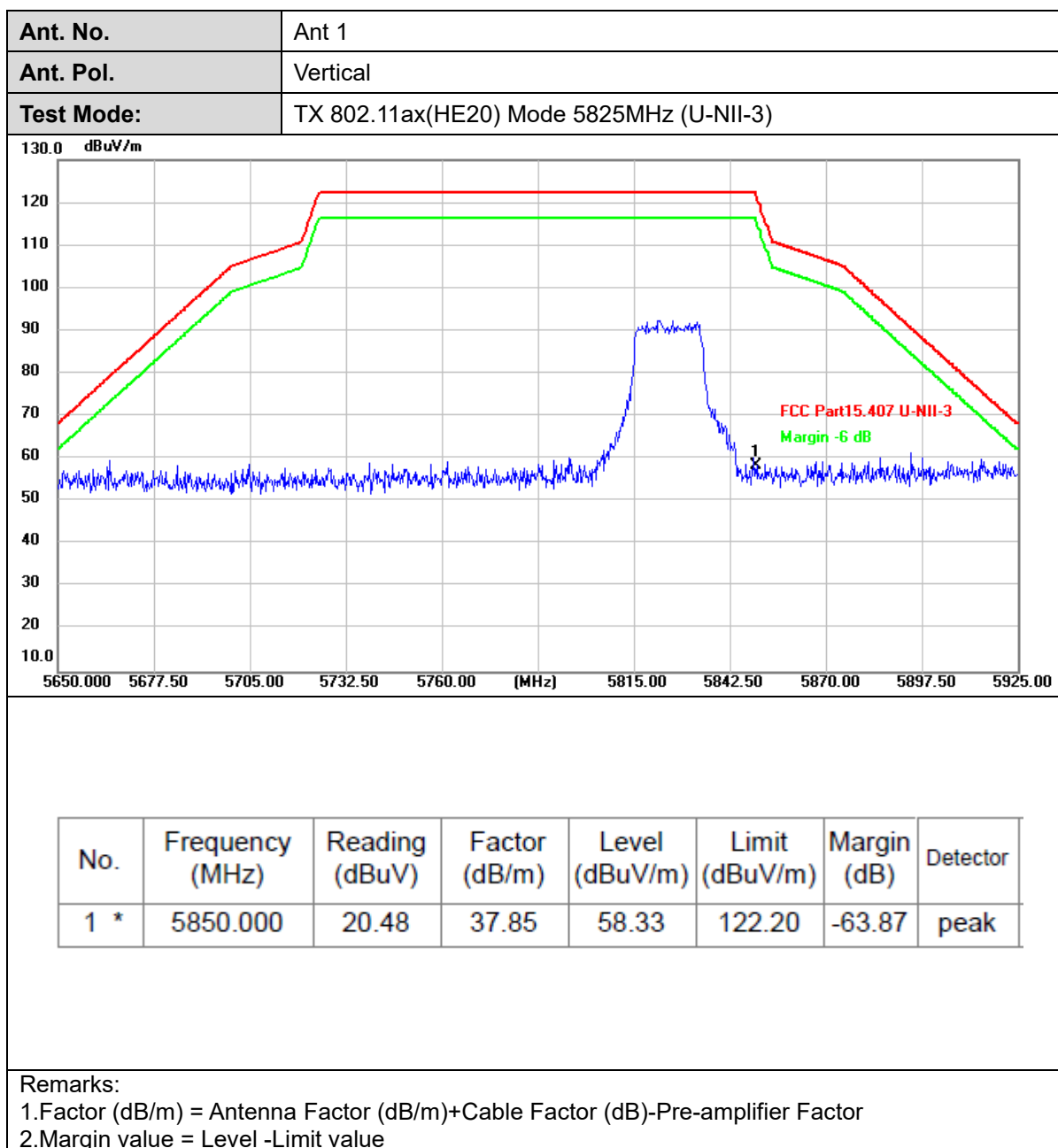


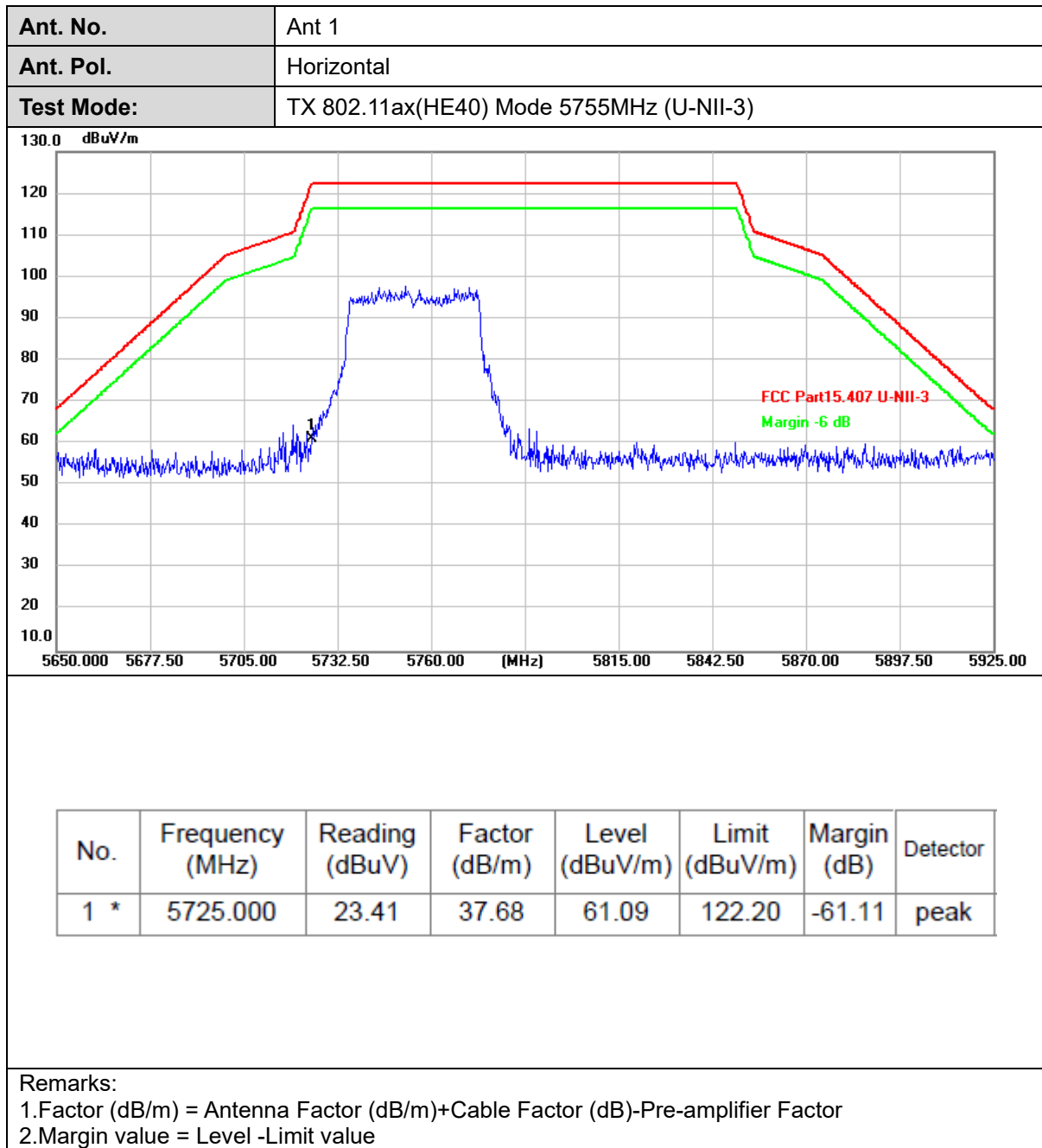


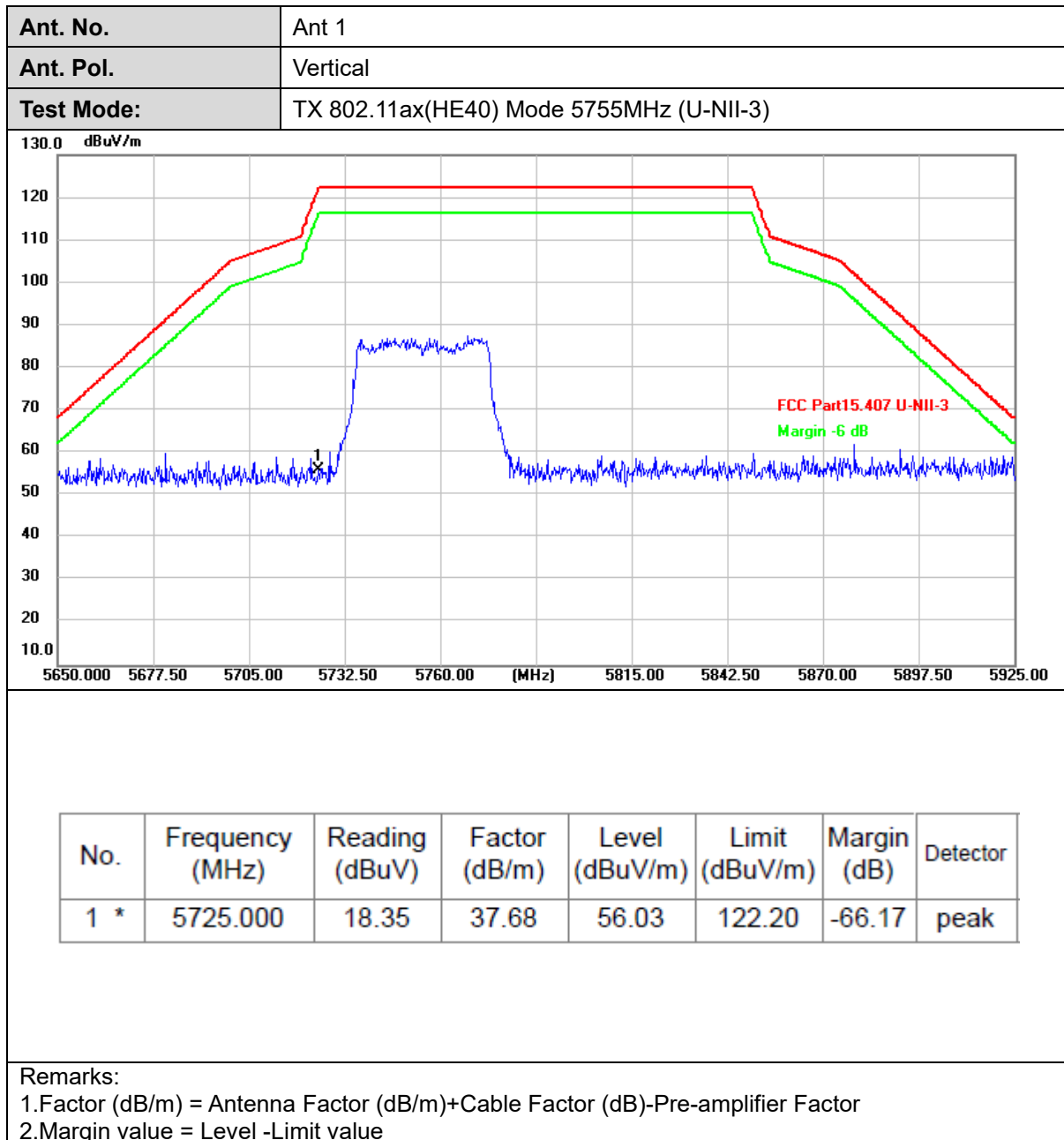


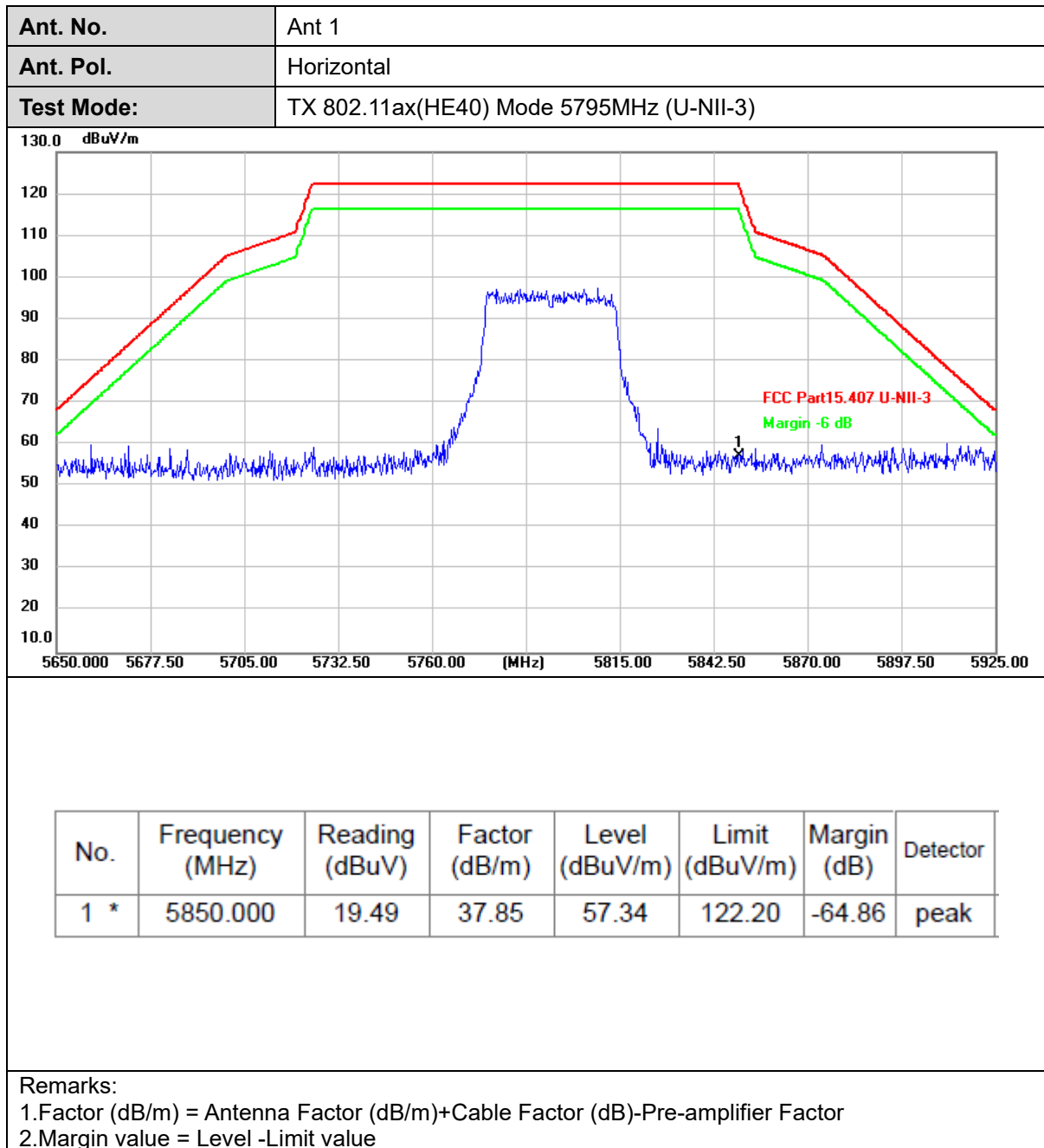


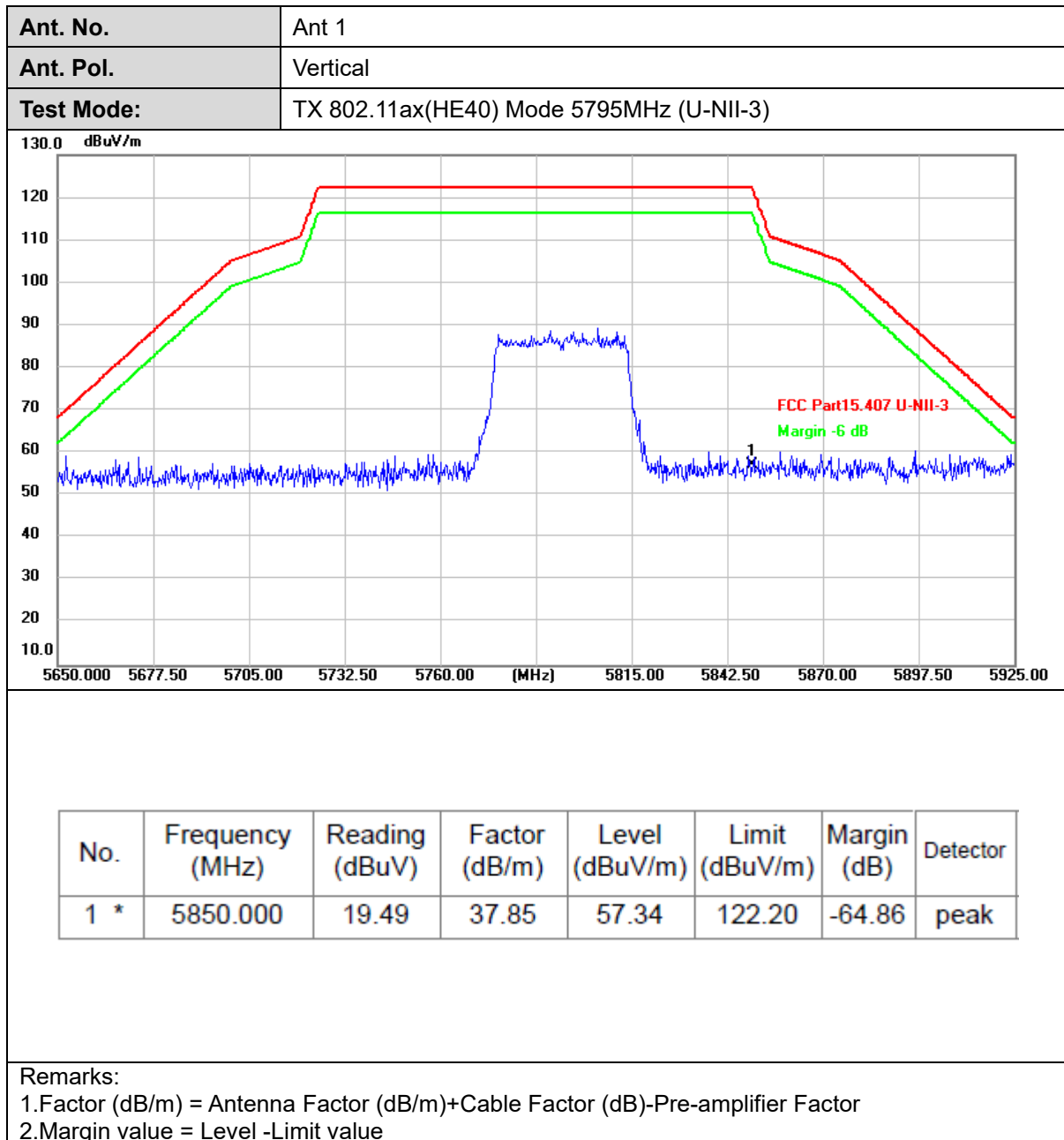












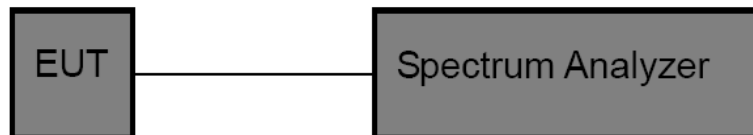
3.4. Bandwidth

Limit

FCC CFR Title 47 Part 15 Subpart E Section 15.407(a) & (e) / RSS-247 7.3.1.3 & 7.3.4.2

Test Item	Limit	Frequency Range (MHz)
26dB Bandwidth& 99% Bandwidth	N/A	5150~5250
		5250~5350
		5500~5700
6 dB Bandwidth	≥500 kHz	5725~5850

Test Configuration



Test Procedure

Please refer to KDB789033 D02 for the measurement methods.

The setting of the spectrum analyzer as below:

26dB Bandwidth Test	
Spectrum Parameters	Setting
Attenuation	Auto
Span	>26 dB Bandwidth
RBW	Approximately 1% of the emission bandwidth
VBW	>RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

6dB Bandwidth Test	
Spectrum Parameters	Setting
Attenuation	Auto
Span	>6 dB Bandwidth
RBW	100 kHz
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold
Sweep Time	Auto
99% Occupied Bandwidth Test	
Spectrum Parameters	Setting
Attenuation	Auto
RBW	1% to 5% of the OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold

NOTE: The EUT was set to continuously transmitting in each mode and low, middle and high channel for the test.

Test Mode

Please refer to the clause 2.4.

Test Result**26dB Bandwidth & Occupied Bandwidth**

Test Mode	Antenna	Freq(MHz)	26db EBW [MHz]	Occupied Bandwidth [MHz]
11A	Ant1	5180	23.52	17.343
		5200	22.64	17.742
		5240	24.44	18.422
		5260	22.88	17.502
		5280	24.80	18.741
		5320	25.92	17.662
		5500	24.72	17.782
		5580	24.76	17.942
		5700	22.72	17.982
		5745	25.24	18.342
		5785	24.48	17.862
11N20SISO	Ant1	5825	23.64	18.102
		5180	24.24	19.181
		5200	23.64	19.341
		5240	25.16	18.981
		5260	24.08	18.941
		5280	25.08	19.181
		5320	23.36	18.541
		5500	24.80	18.941
		5580	25.56	20.260
		5700	25.40	18.621
		5745	25.32	19.221
11N40SISO	Ant1	5785	24.56	19.061
		5825	24.80	18.901
		5190	44.24	37.003
		5230	46.32	37.083
		5270	44.64	36.923
		5310	44.56	37.243
		5510	46.40	37.722
		5550	44.96	37.722
		5670	46.16	37.243
		5755	45.20	37.403
		5795	46.32	38.122
11AC20SISO	Ant1	5180	24.00	18.581
		5200	24.40	19.381
		5240	23.40	19.261
		5260	23.28	18.901
		5280	24.36	18.741
		5320	24.20	18.981
		5500	24.68	19.061
		5580	24.32	19.500
		5700	25.36	19.461
		5745	24.44	19.461
		5785	25.12	19.620
11AC40SISO	Ant1	5825	24.84	19.301
		5190	45.60	36.843
		5230	46.16	37.323
		5270	45.04	37.562
		5310	44.88	36.763
		5510	46.80	37.722
		5550	46.72	37.882
		5670	45.92	37.483
		5755	47.12	37.163
		5795	46.00	37.962
11AX20SISO	Ant1	5180	23.60	19.540

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TRF No: CTC-TR-062_A5

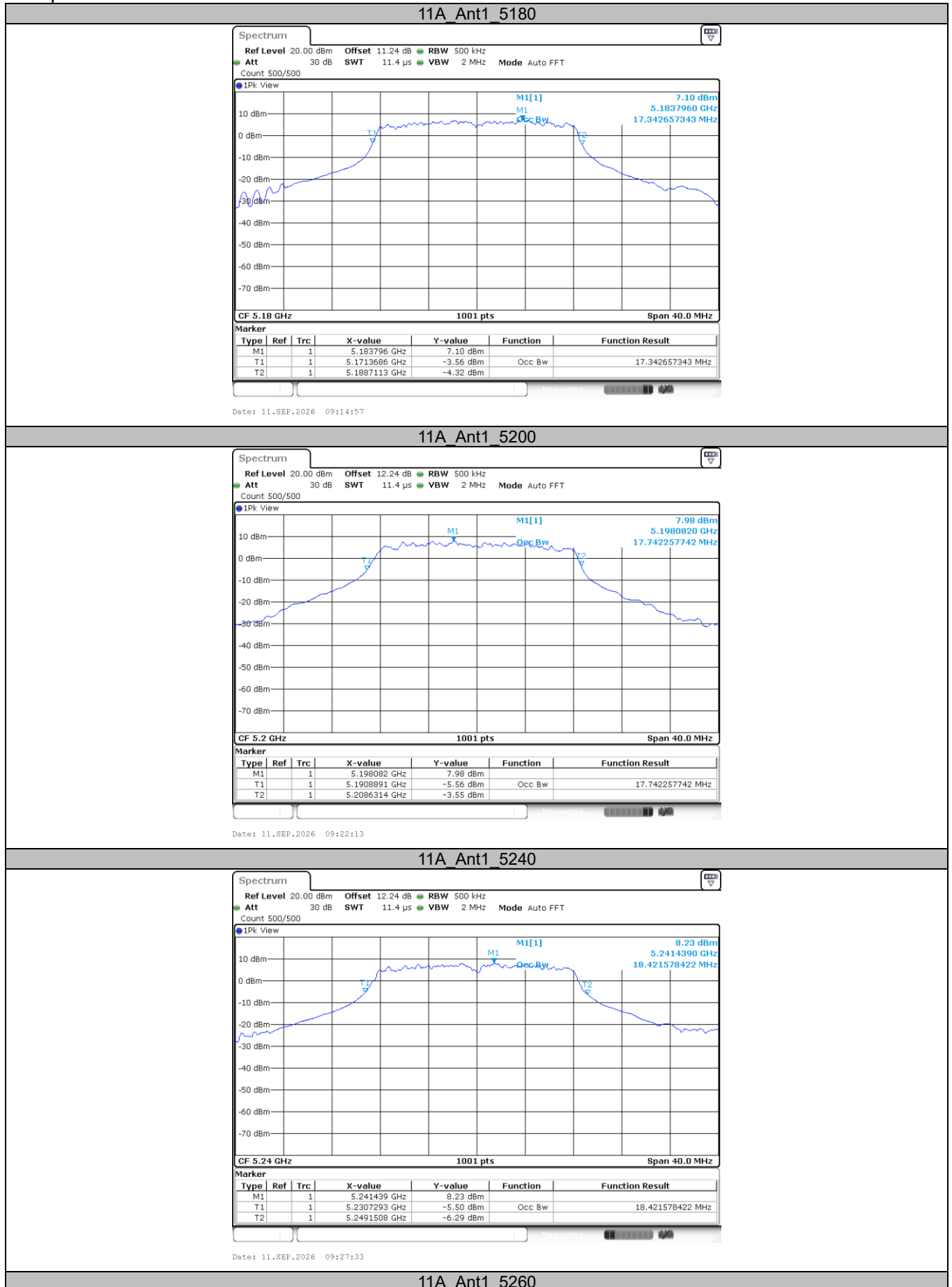
Master TRF : Dated 2026-06-01

		5200	24.00	19.500
		5240	24.80	19.540
		5260	25.24	19.660
		5280	28.28	19.780
		5320	23.96	19.580
		5500	28.08	20.140
		5580	25.08	19.900
		5700	24.60	19.900
		5745	25.52	19.700
		5785	25.28	20.020
		5825	24.68	19.780
11AX40SISO	Ant1	5190	43.28	38.122
		5230	42.88	38.761
		5270	45.76	38.122
		5310	44.40	38.521
		5510	43.84	38.521
		5550	45.68	38.362
		5670	44.24	38.202
		5755	44.72	38.761
		5795	45.76	38.841

6dB Bandwidth

Test Mode	Antenna	Freq(MHz)	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5745	16.36	5736.80	5753.16	0.5	PASS
		5785	16.36	5776.80	5793.16	0.5	PASS
		5825	16.56	5816.68	5833.24	0.5	PASS
11N20SISO	Ant1	5745	17.68	5736.16	5753.84	0.5	PASS
		5785	17.84	5776.04	5793.88	0.5	PASS
		5825	17.84	5816.04	5833.88	0.5	PASS
11N40SISO	Ant1	5755	36.40	5736.76	5773.16	0.5	PASS
		5795	36.40	5776.76	5813.16	0.5	PASS
11AC20SISO	Ant1	5745	17.64	5736.16	5753.80	0.5	PASS
		5785	17.64	5776.16	5793.80	0.5	PASS
		5825	17.60	5816.16	5833.76	0.5	PASS
11AC40SISO	Ant1	5755	36.48	5736.76	5773.24	0.5	PASS
		5795	36.56	5776.68	5813.24	0.5	PASS
11AX20SISO	Ant1	5745	19.04	5735.48	5754.52	0.5	PASS
		5785	19.12	5775.36	5794.48	0.5	PASS
		5825	19.08	5815.44	5834.52	0.5	PASS
11AX40SISO	Ant1	5755	38.24	5735.88	5774.12	0.5	PASS
		5795	37.84	5776.12	5813.96	0.5	PASS

Occupied Bandwidth:

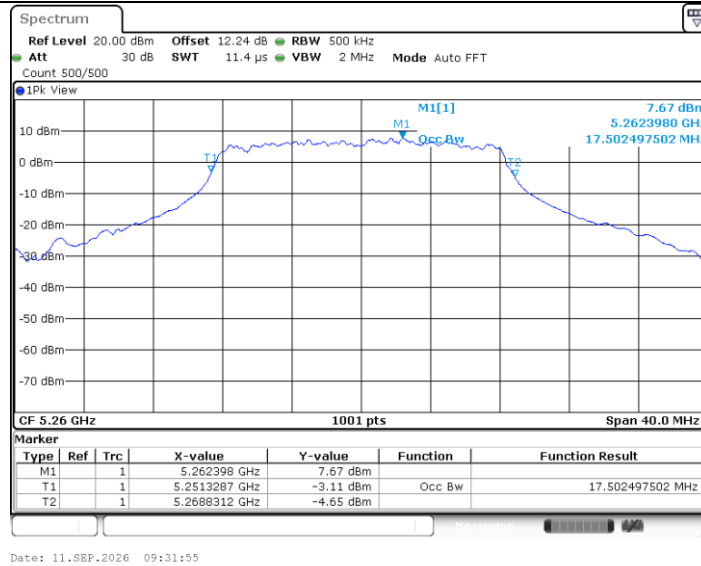


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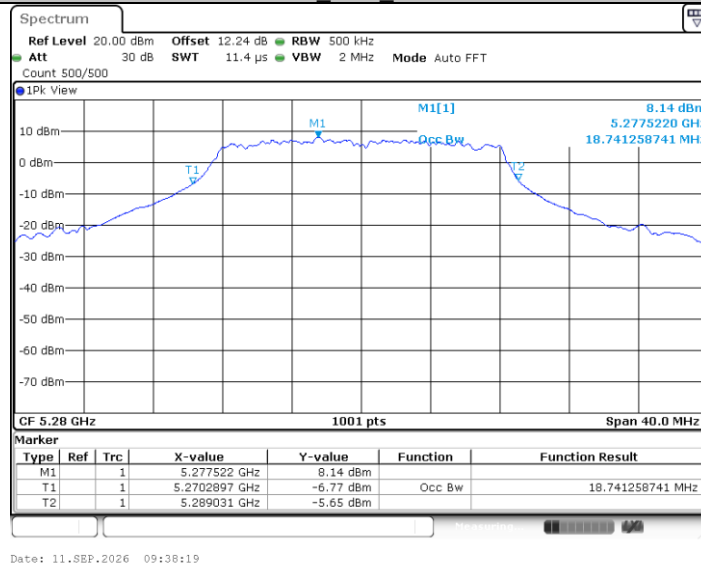
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TRF No: CTC-TR-062_A5

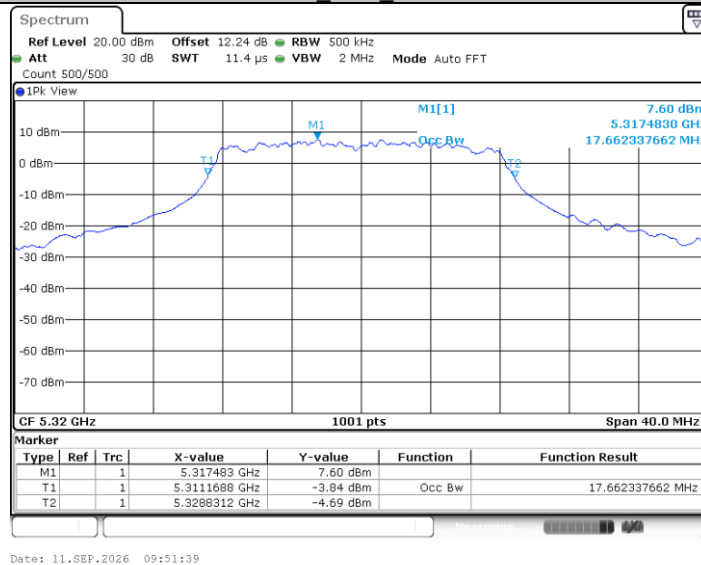
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11A_Ant1_5280



11A_Ant1_5320



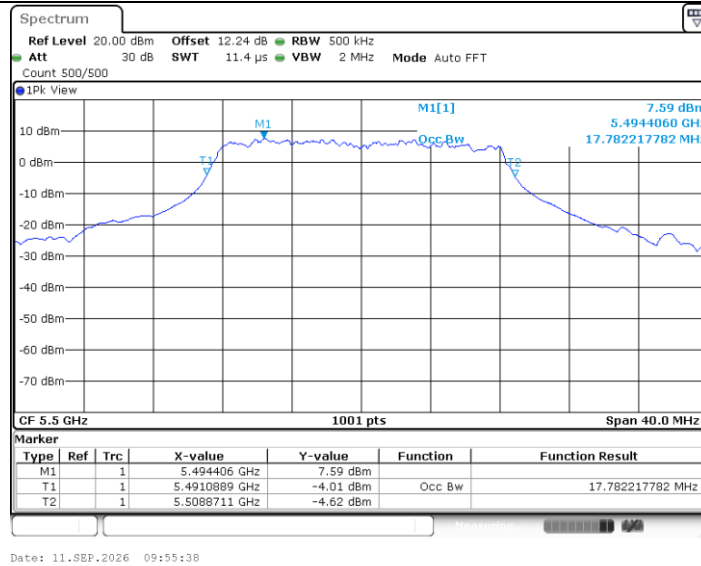
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CTC Laboratories, Inc.

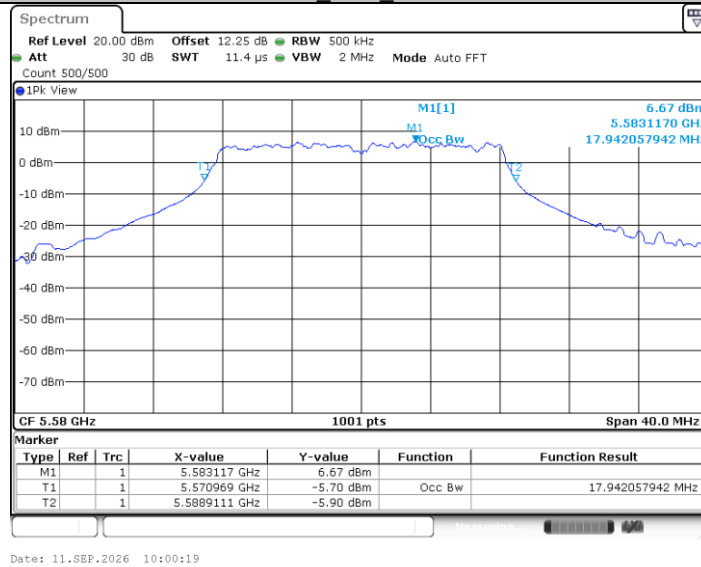
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TRF No: CTC-TR-062_A5

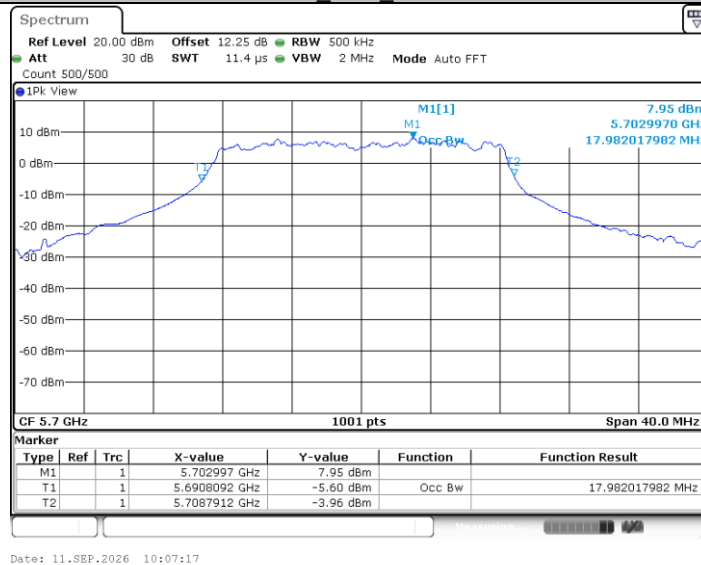
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11A_Ant1_5580



11A_Ant1_5700



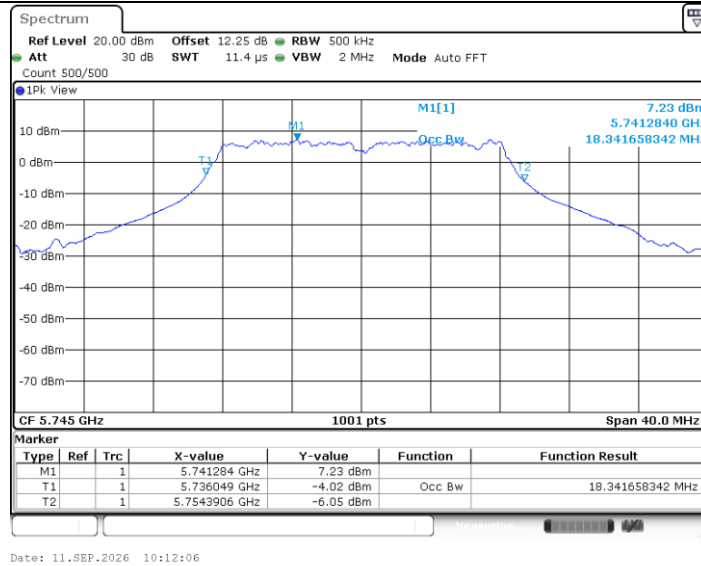
11A_Ant1_5745

CTC Laboratories, Inc.

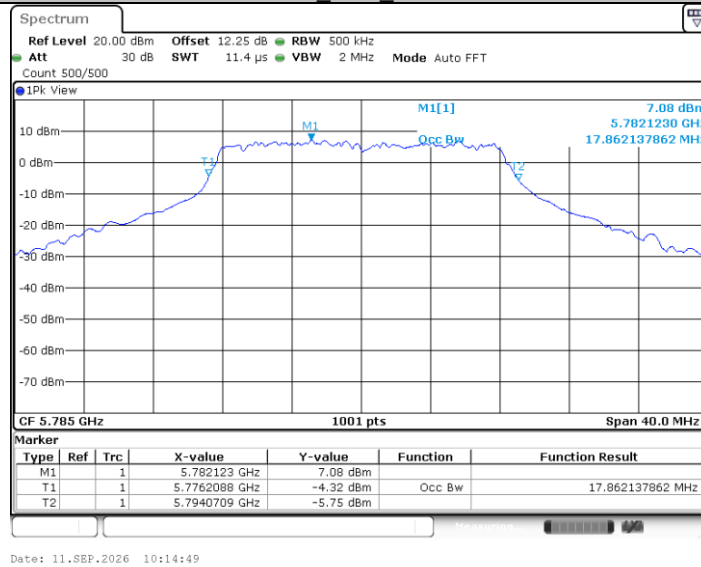
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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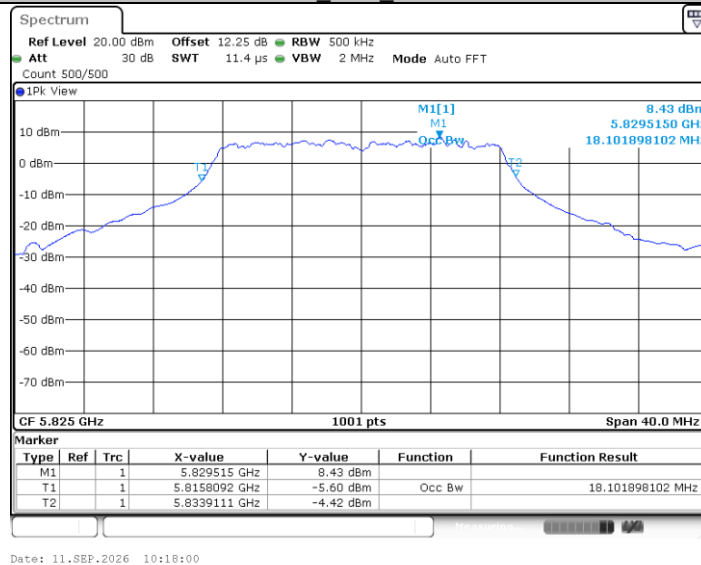
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11A_Ant1_5785



11A_Ant1_5825



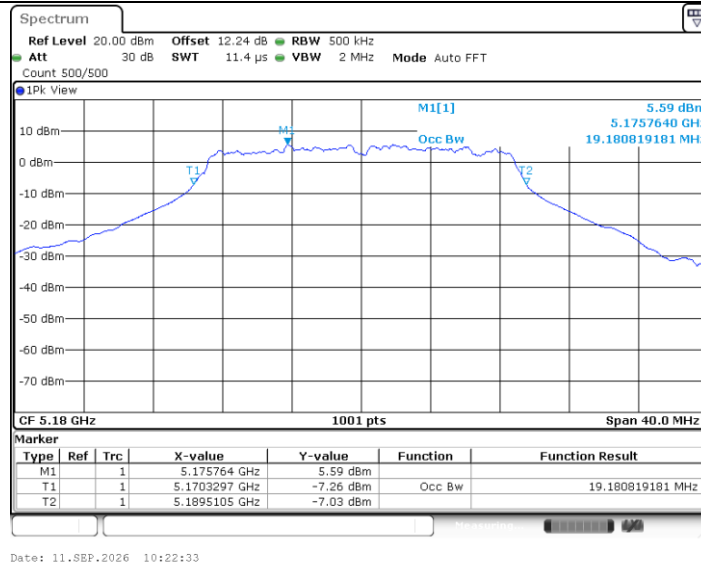
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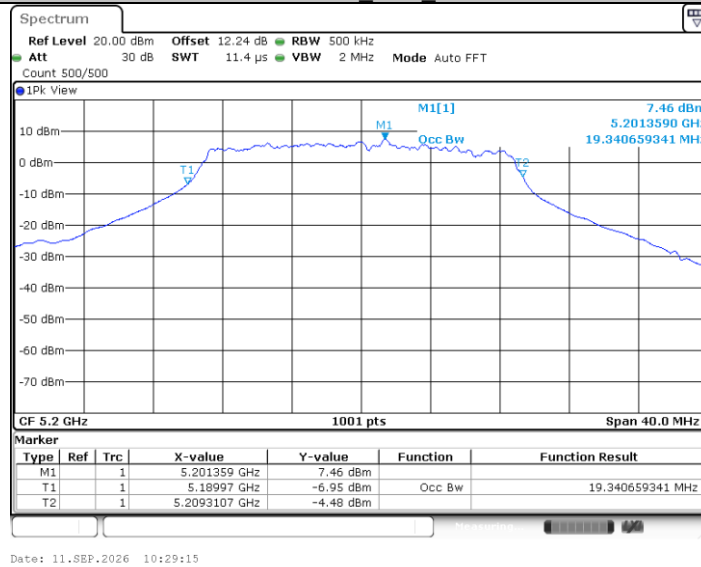
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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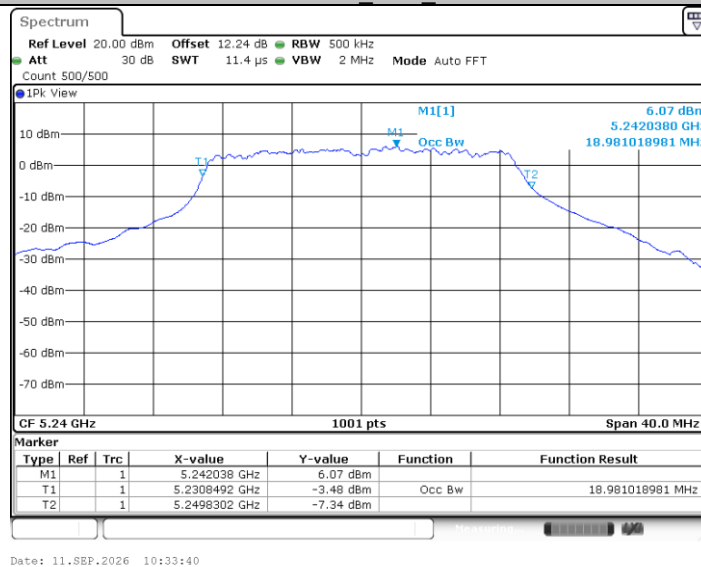
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11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



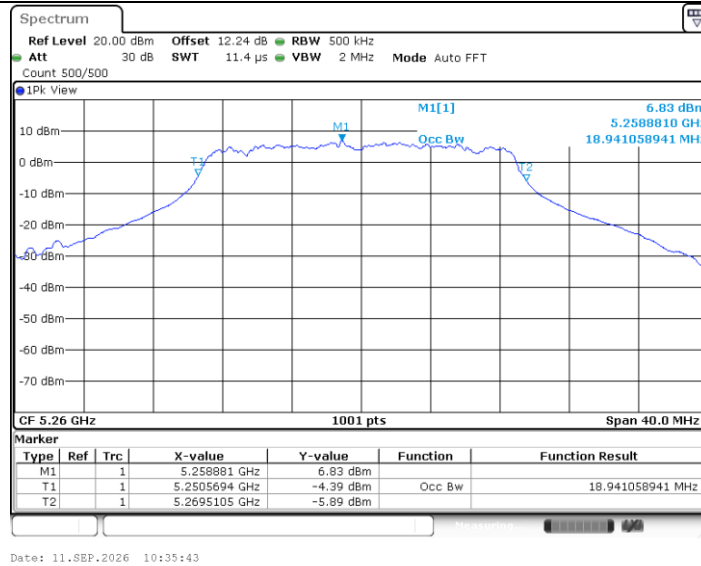
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CTC Laboratories, Inc.

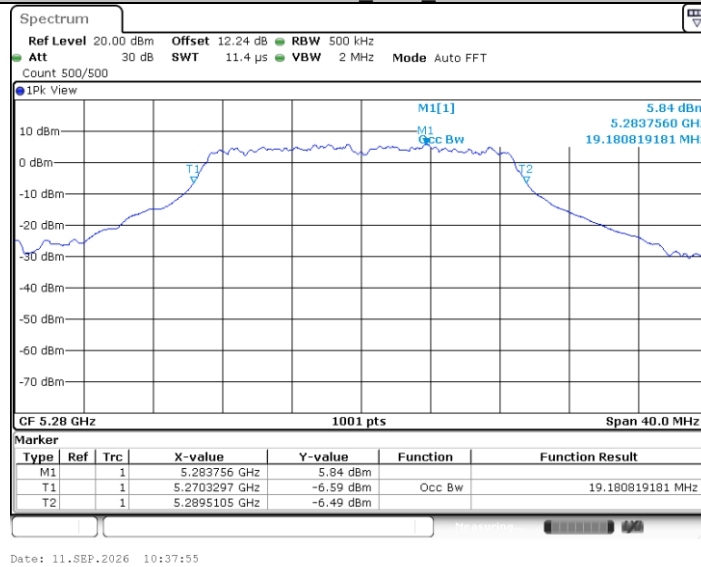
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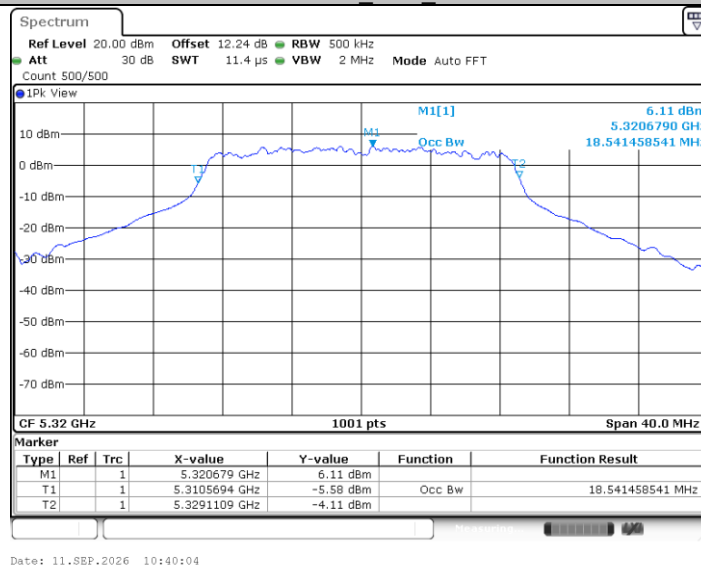
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11N20SISO_Ant1_5320



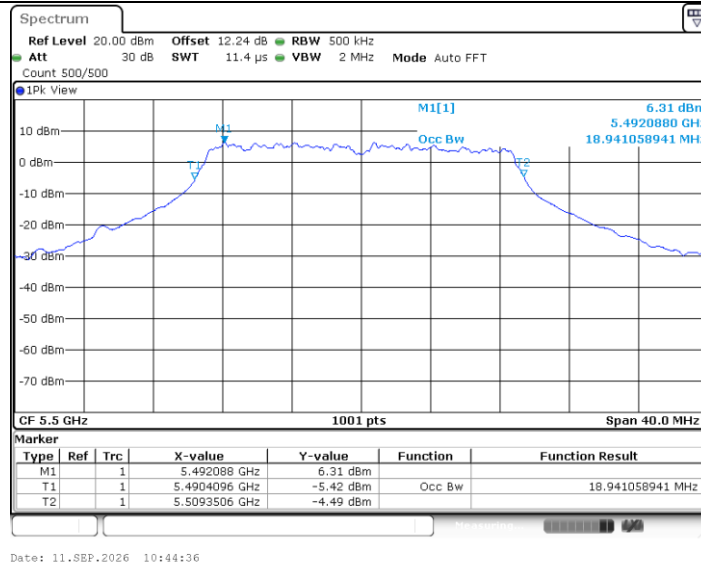
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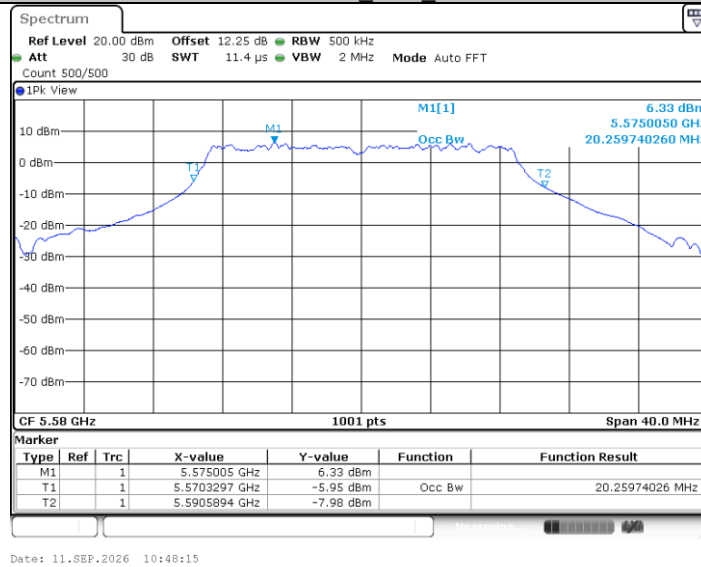
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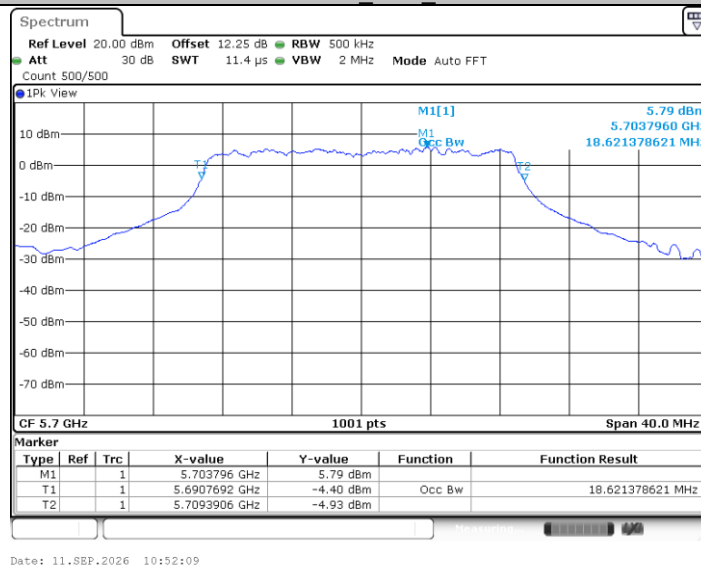
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11N20SISO_Ant1_5580



11N20SISO_Ant1_5700



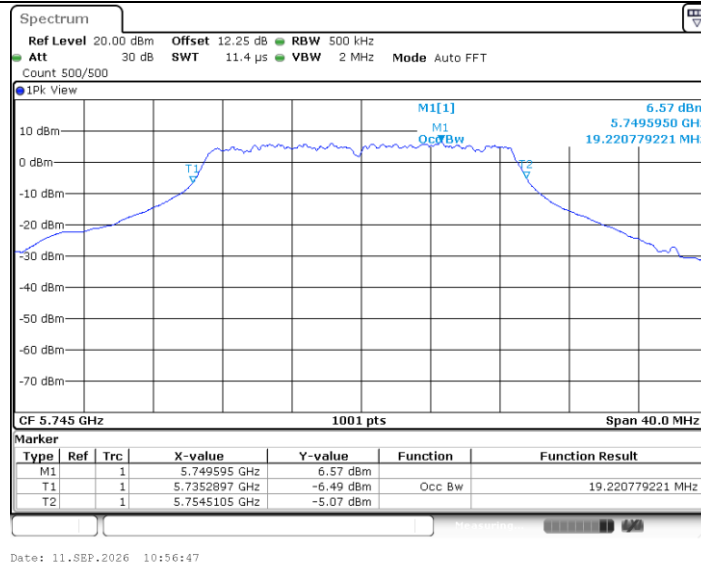
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CTC Laboratories, Inc.

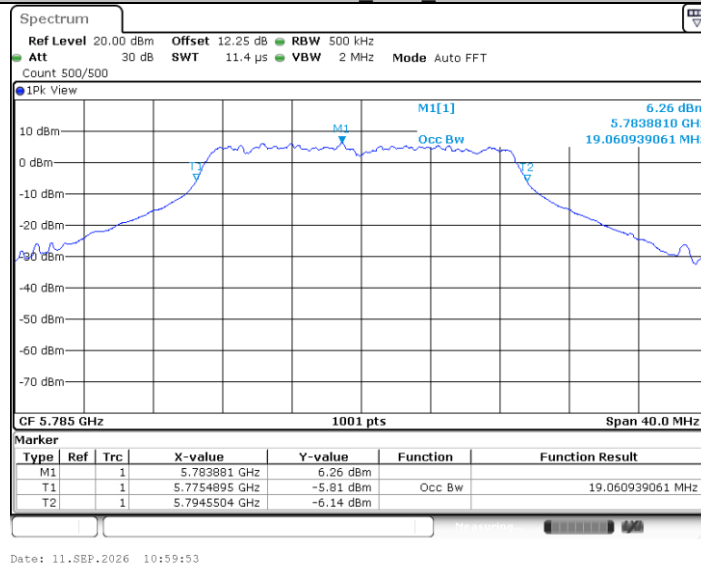
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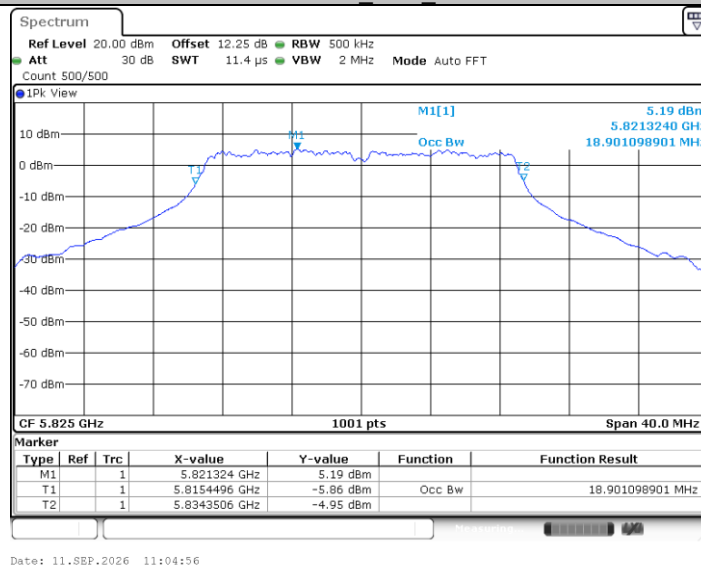
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11N20SISO_Ant1_5785



11N20SISO_Ant1_5825



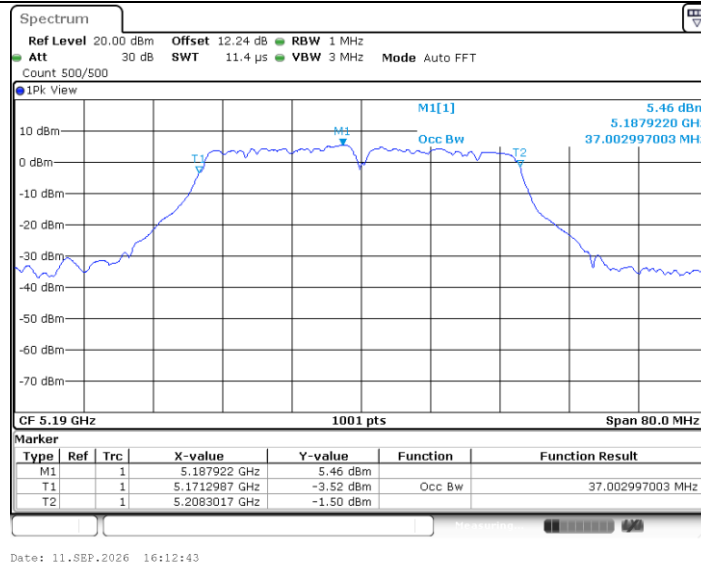
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CTC Laboratories, Inc.

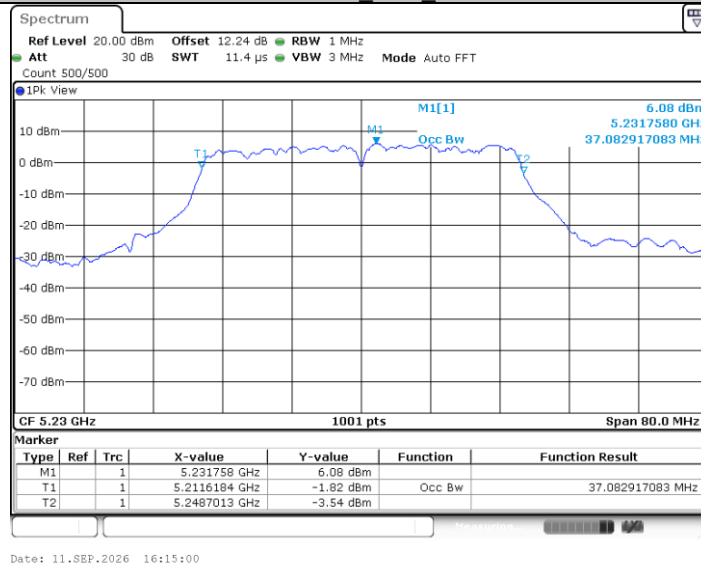
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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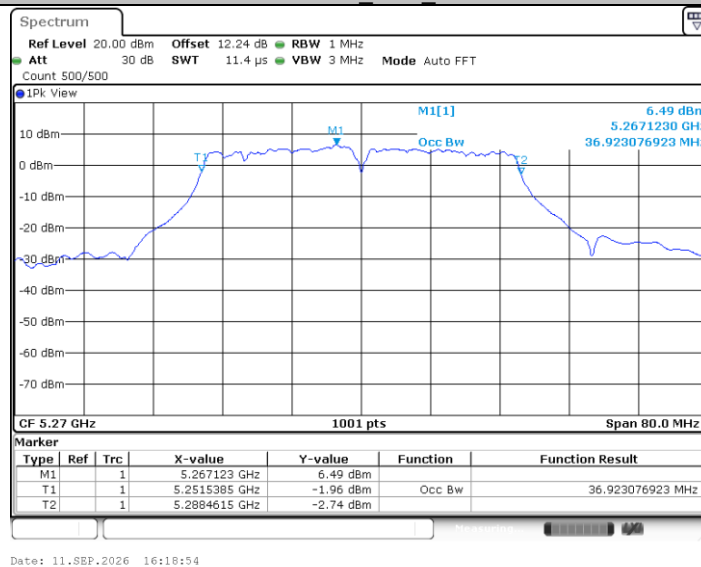
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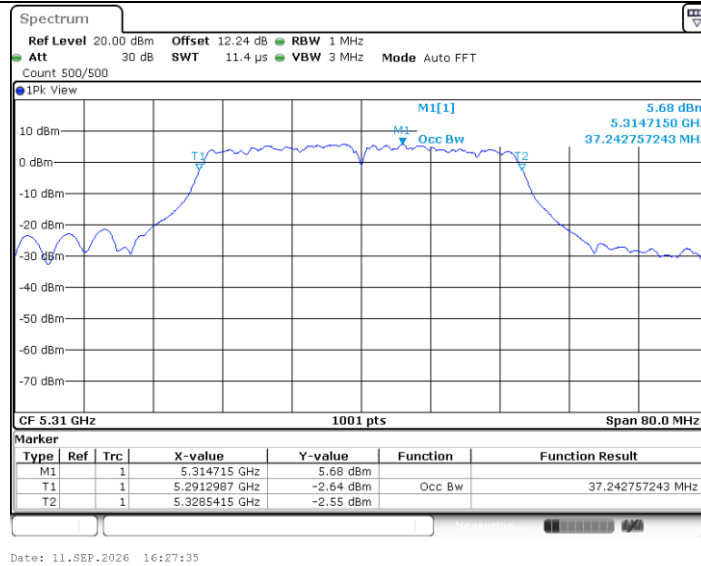
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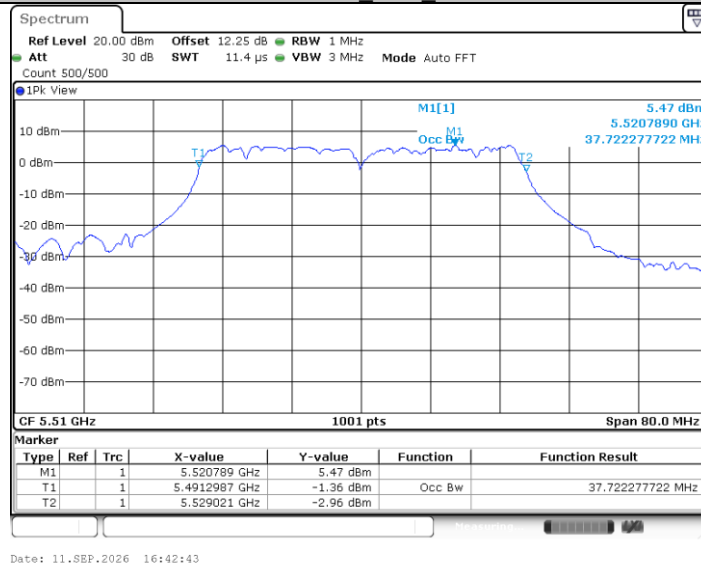
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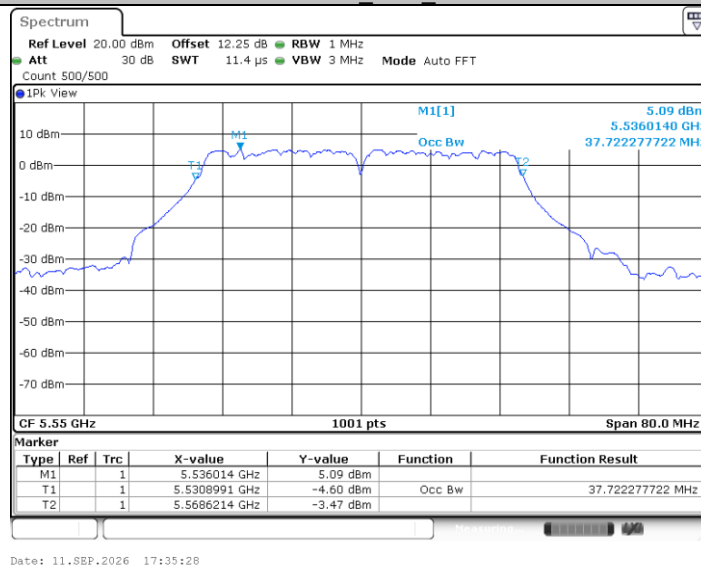
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11N40SISO_Ant1_5510



11N40SISO_Ant1_5550



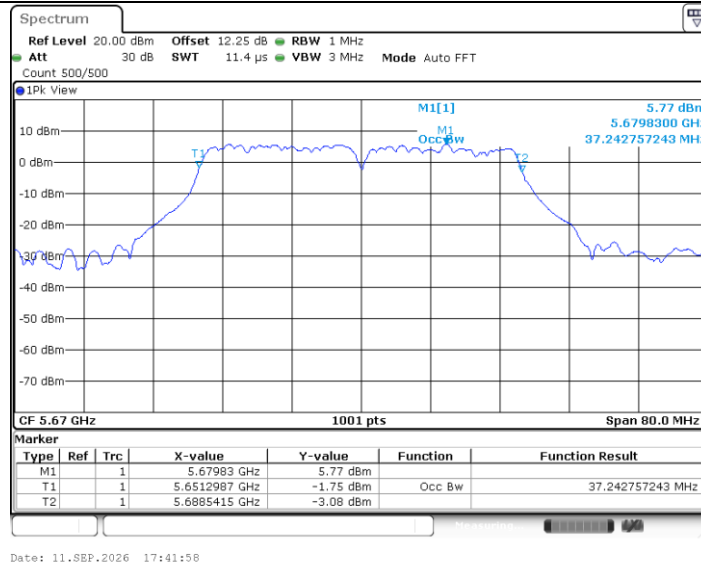
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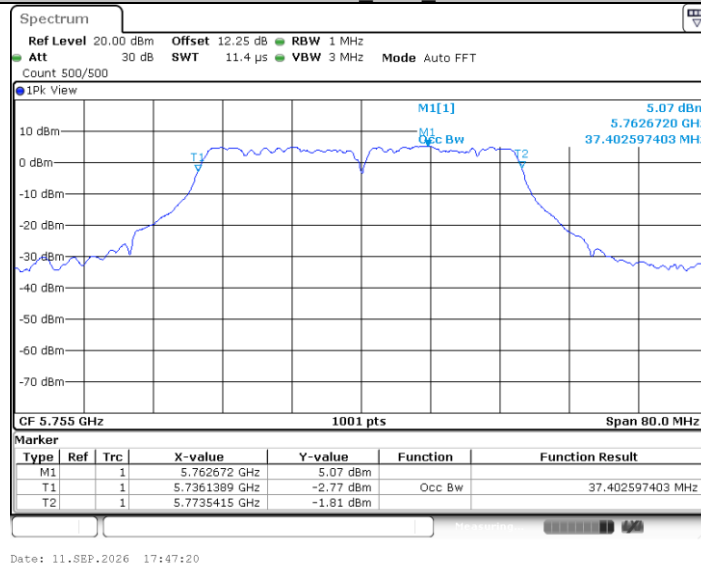
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TRF No: CTC-TR-062_A5

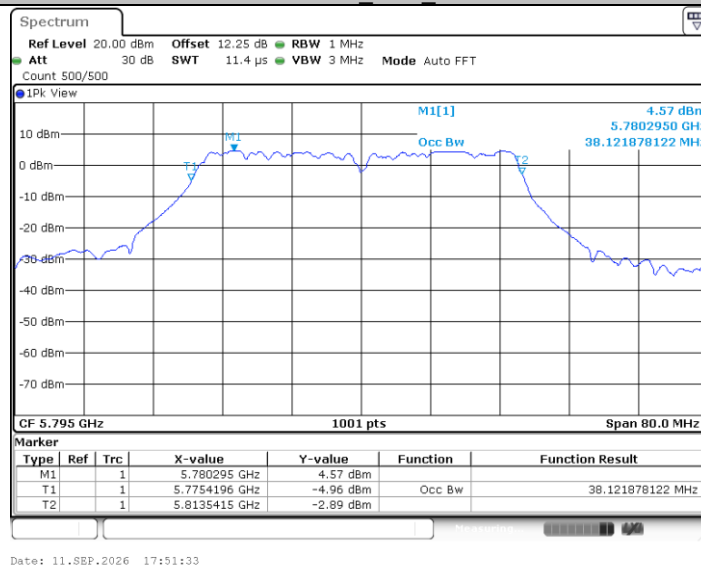
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11N40SISO_Ant1_5755



11N40SISO_Ant1_5795



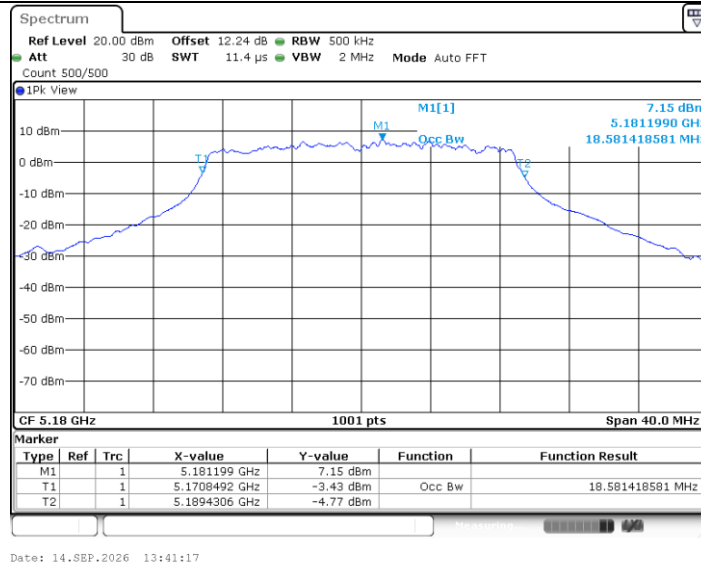
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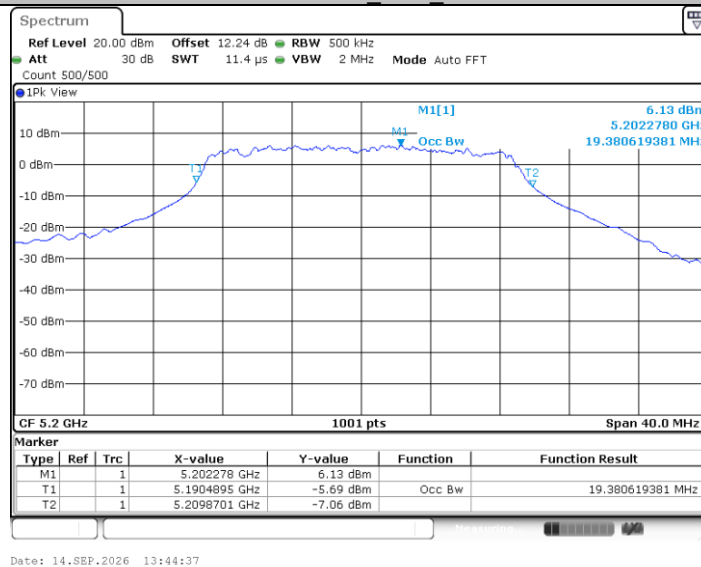
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanning 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

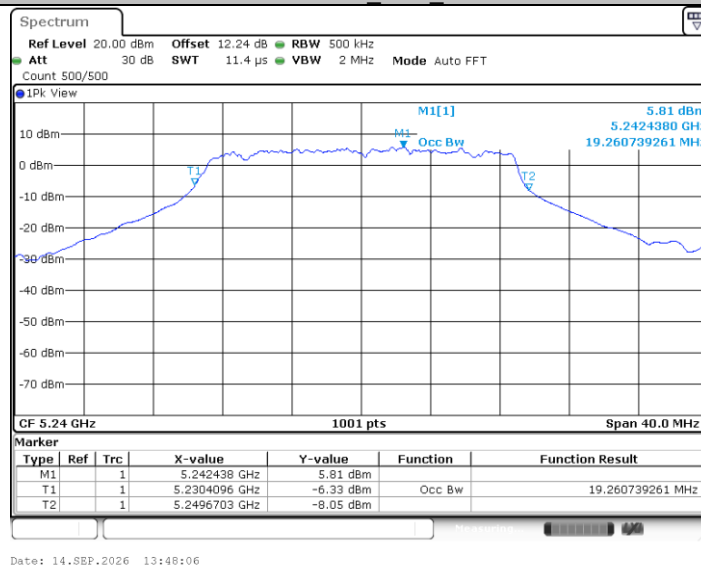
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11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



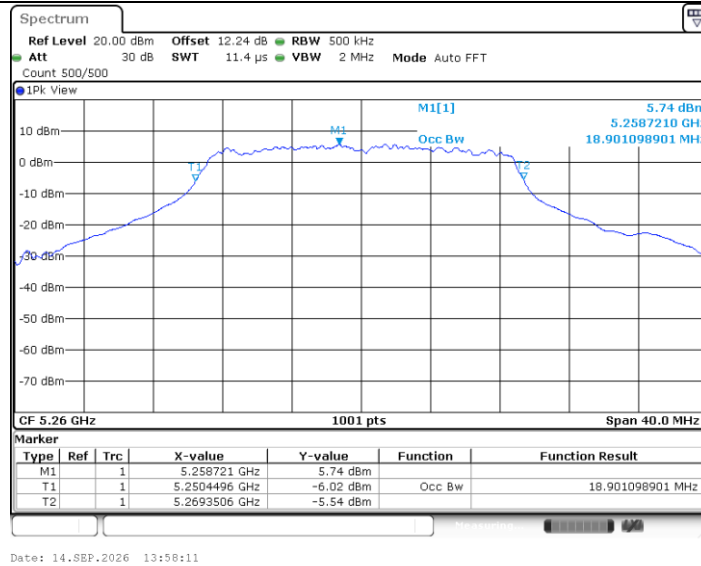
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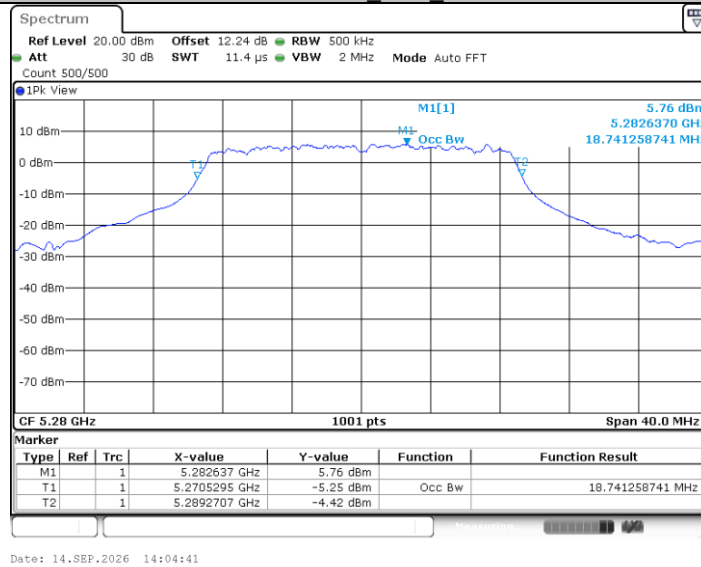
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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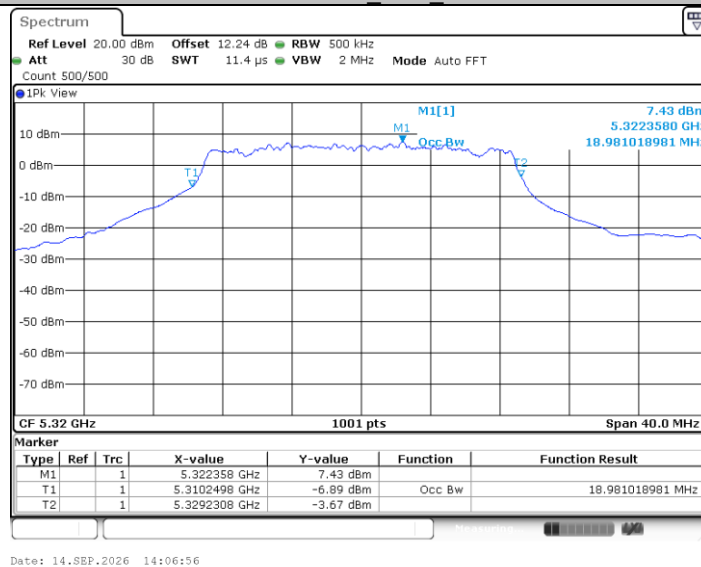
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11AC20SISO_Ant1_5280



11AC20SISO_Ant1_5320



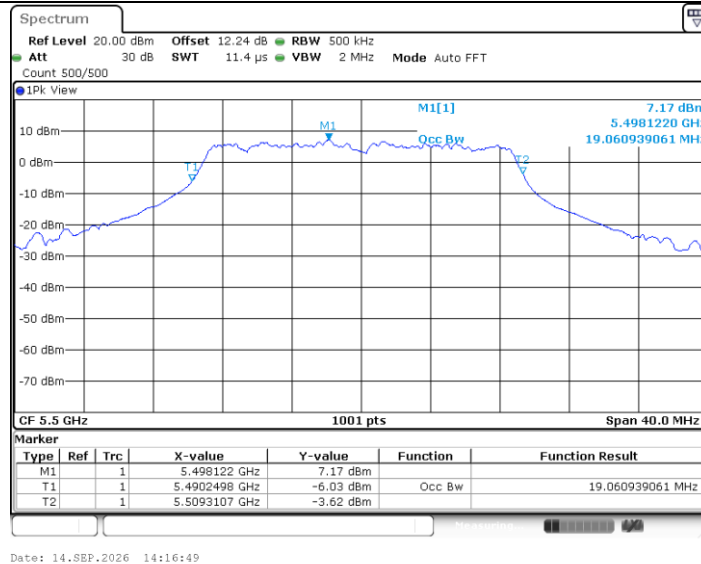
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CTC Laboratories, Inc.

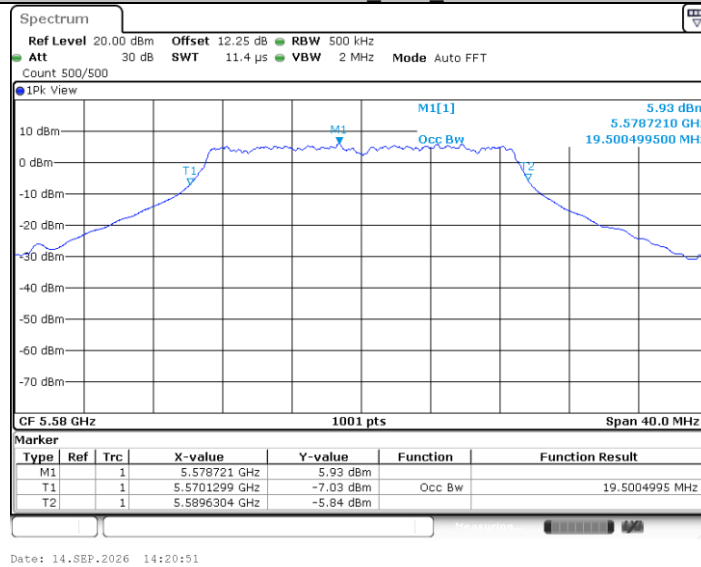
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

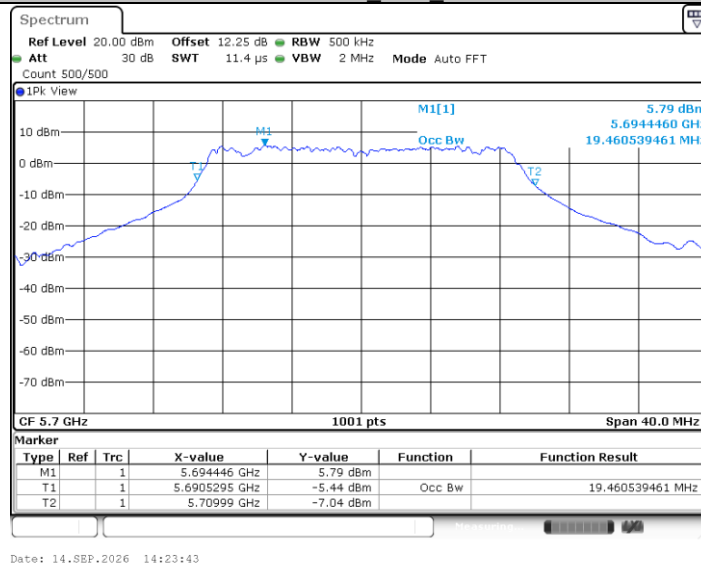
Master TRF : Dated 2026-06-01



11AC20SISO_Ant1_5580



11AC20SISO_Ant1_5700



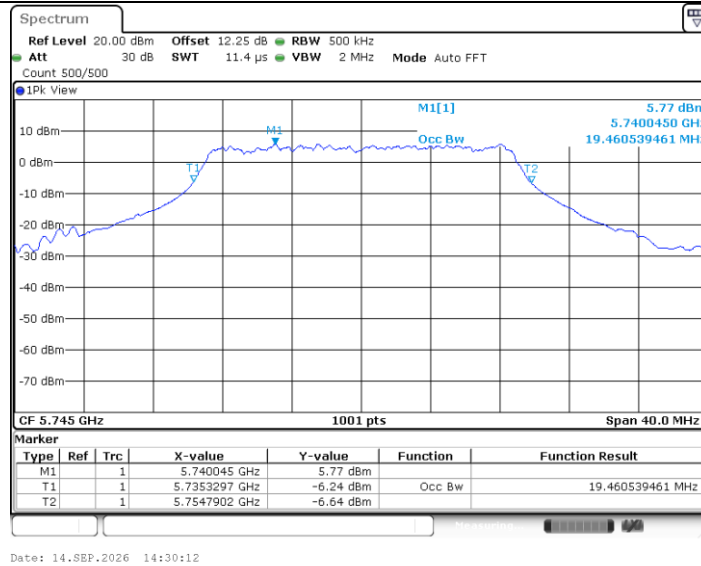
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CTC Laboratories, Inc.

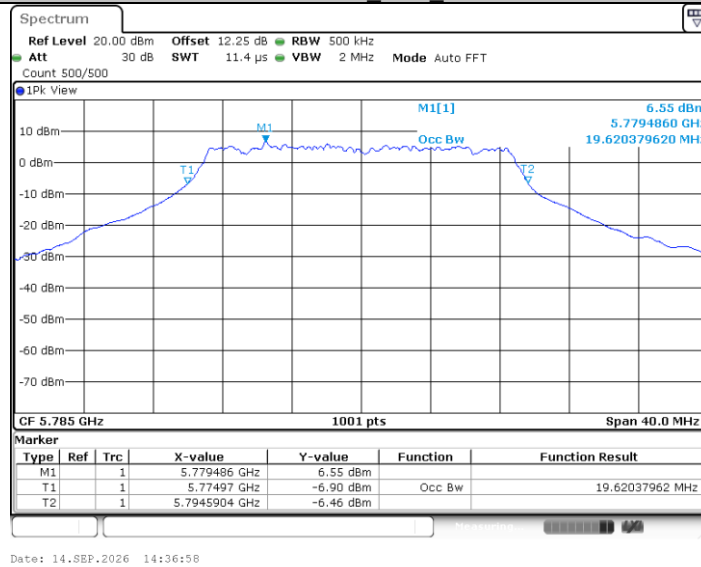
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

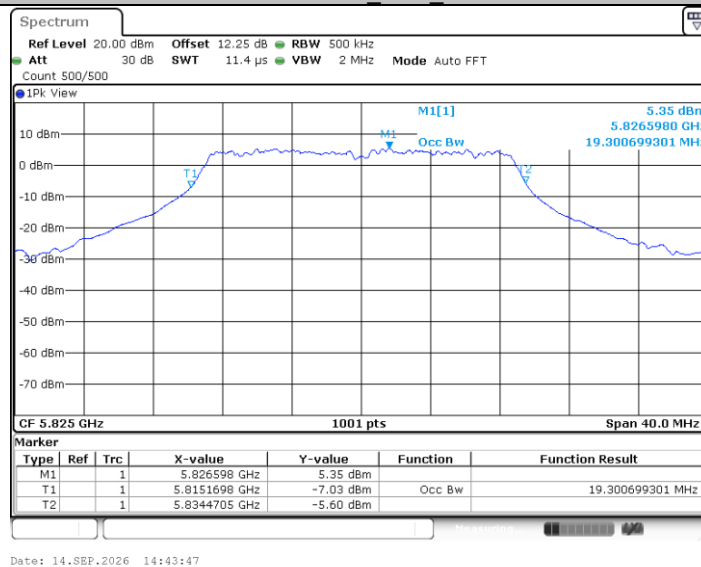
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11AC20SISO_Ant1_5785



11AC20SISO_Ant1_5825



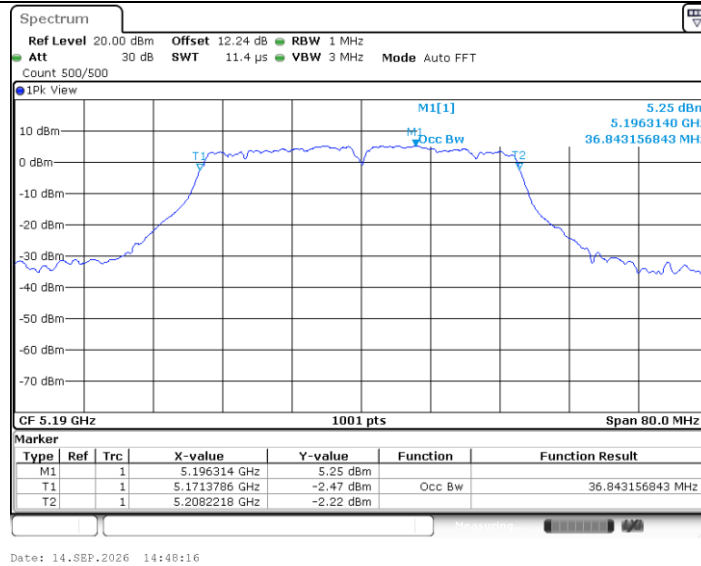
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CTC Laboratories, Inc.

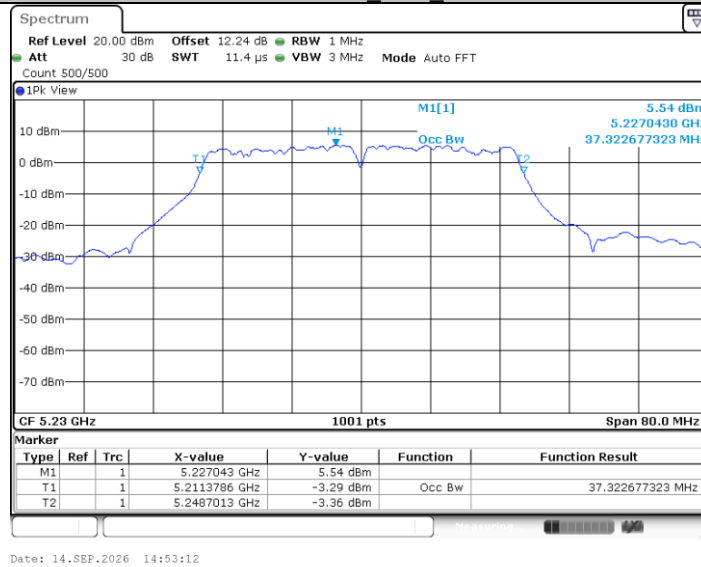
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanning 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

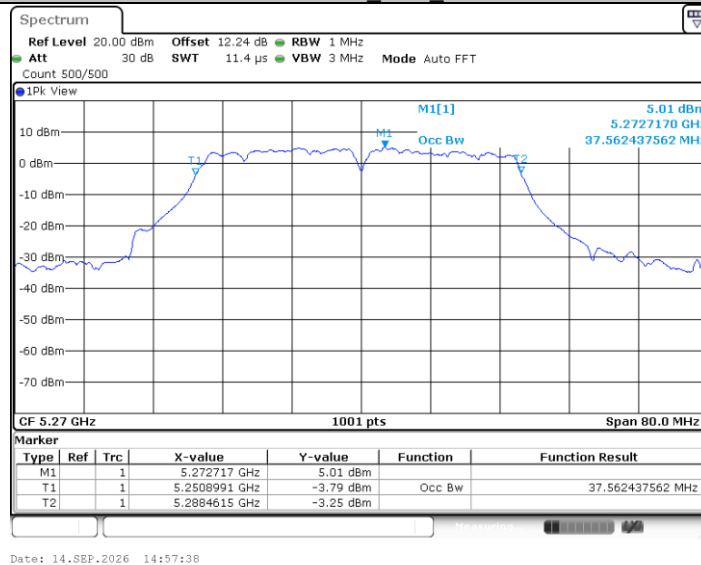
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11AC40SISO_Ant1_5230



11AC40SISO_Ant1_5270



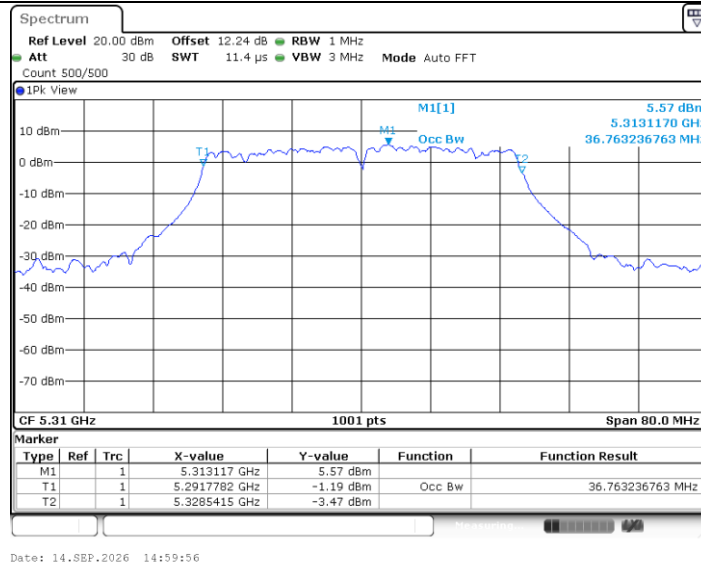
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CTC Laboratories, Inc.

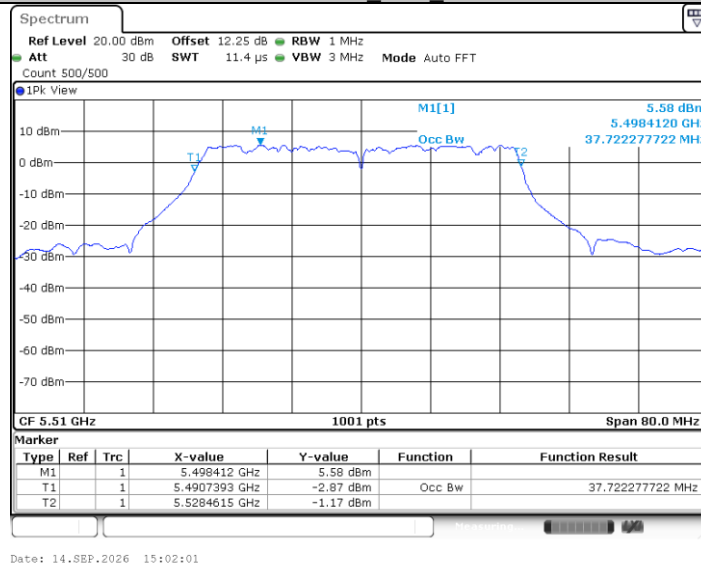
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanning 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

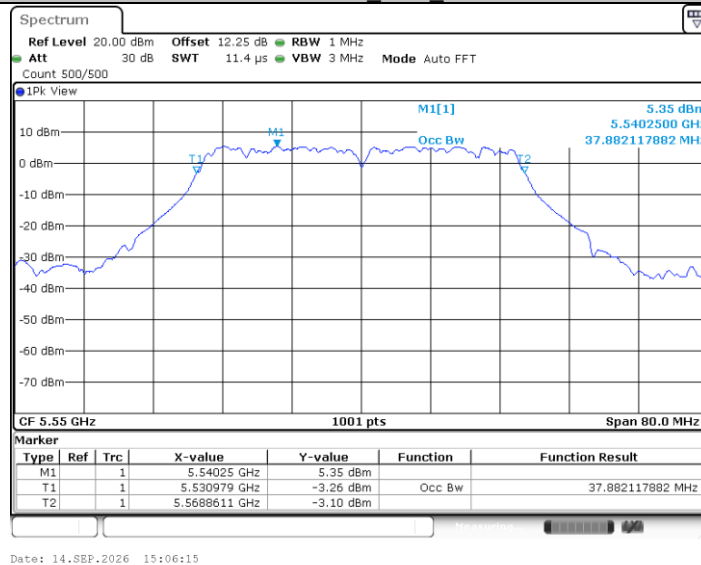
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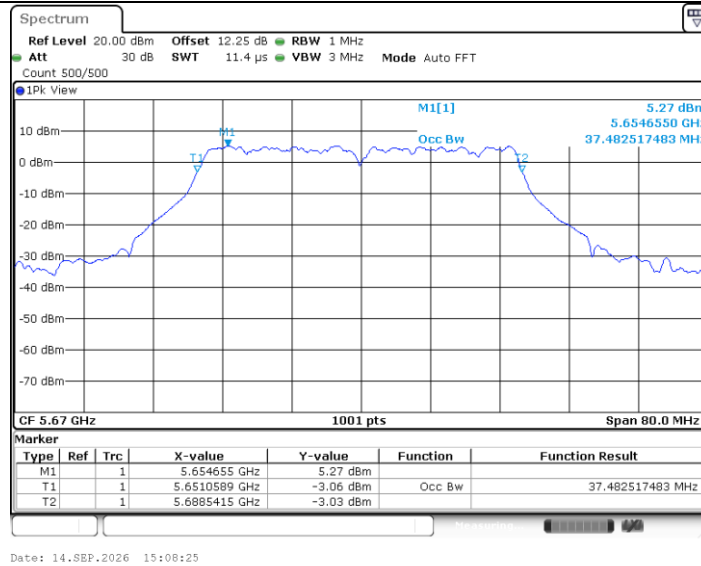
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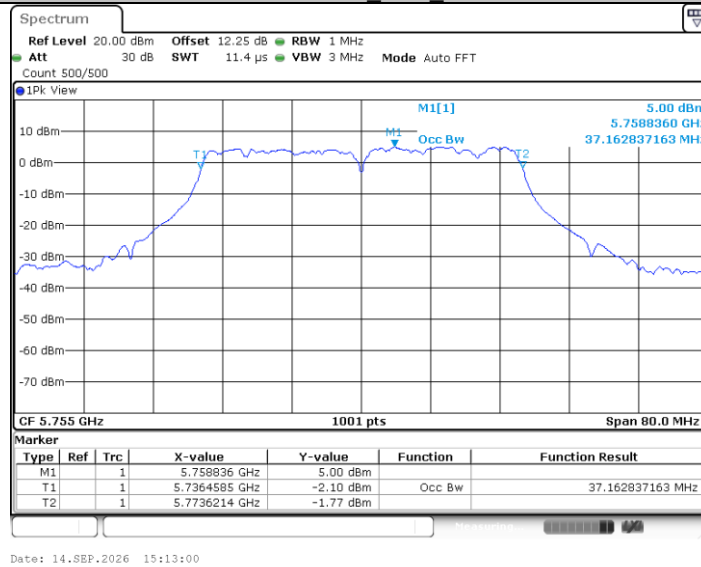
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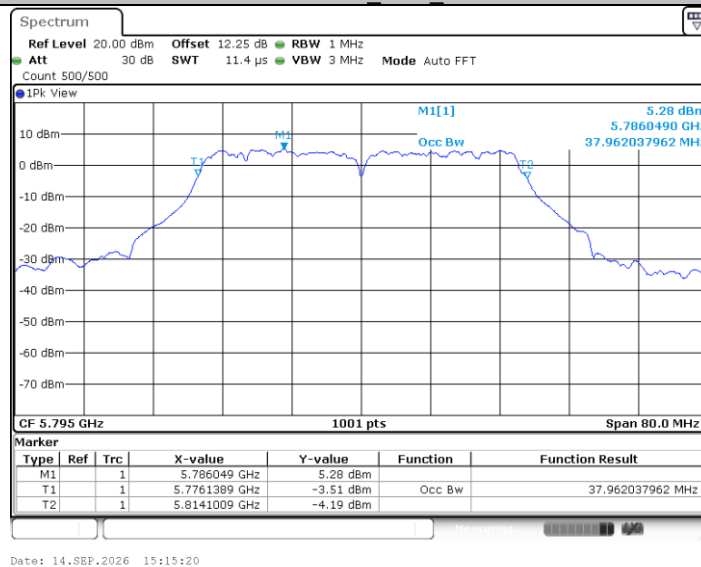
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11AC40SISO_Ant1_5755



11AC40SISO_Ant1_5795



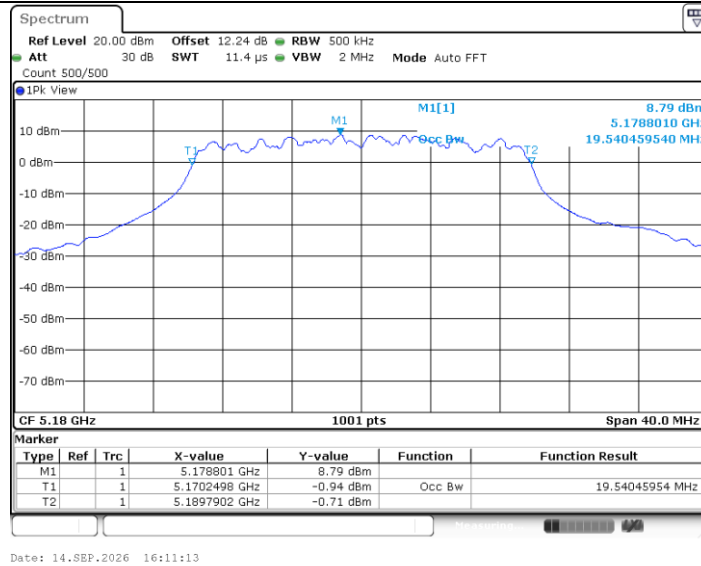
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CTC Laboratories, Inc.

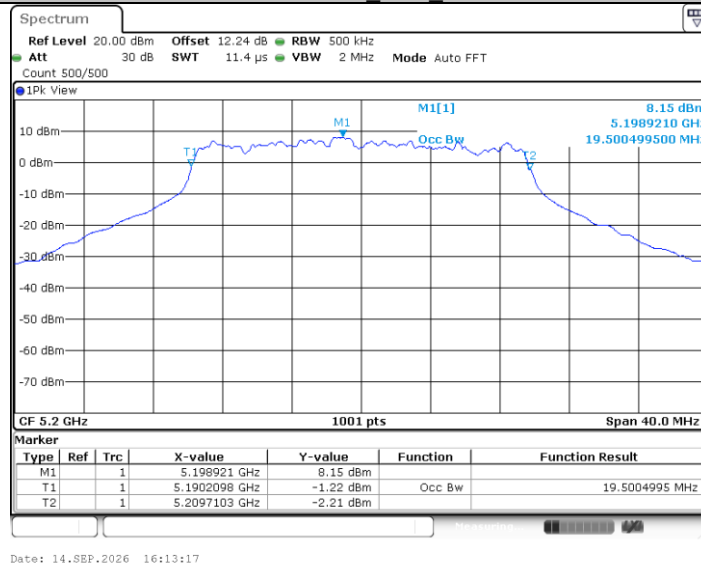
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

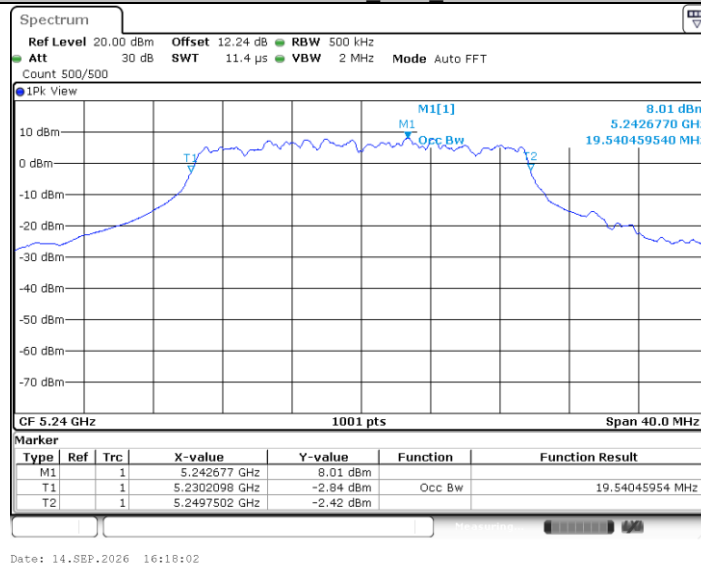
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11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



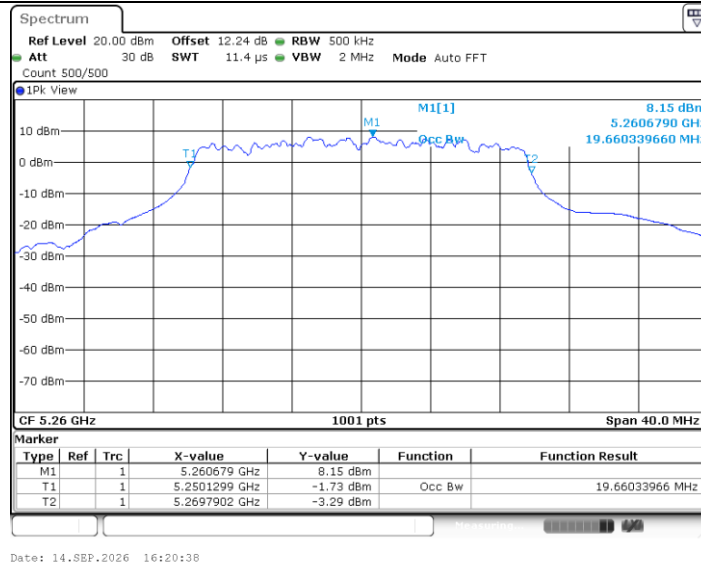
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CTC Laboratories, Inc.

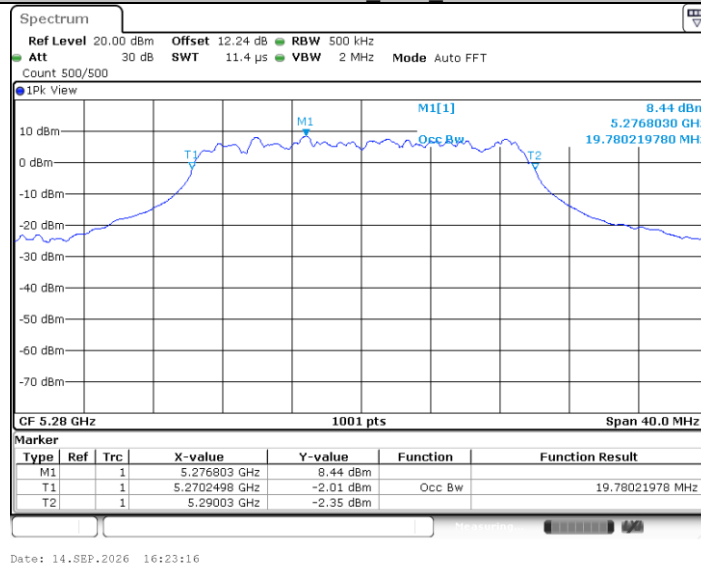
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

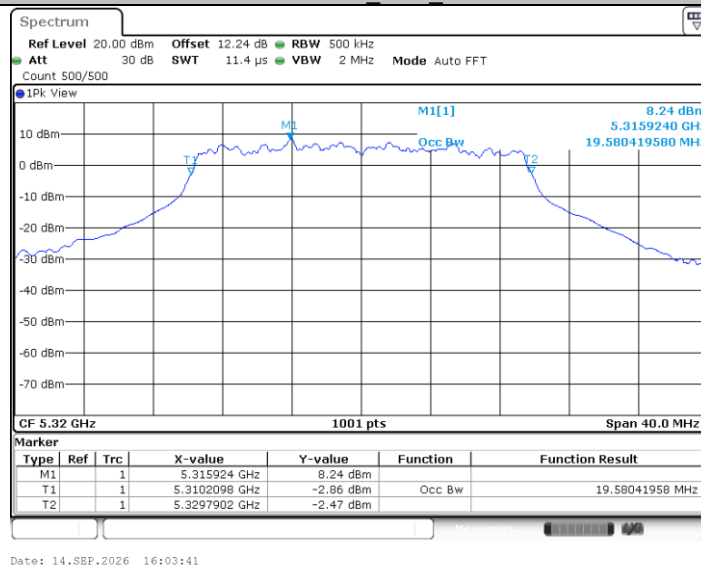
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11AX20SISO_Ant1_5280



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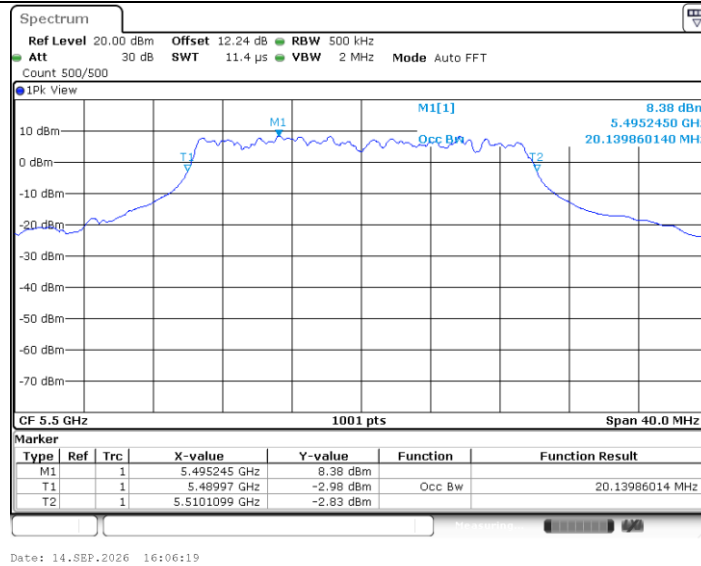
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CTC Laboratories, Inc.

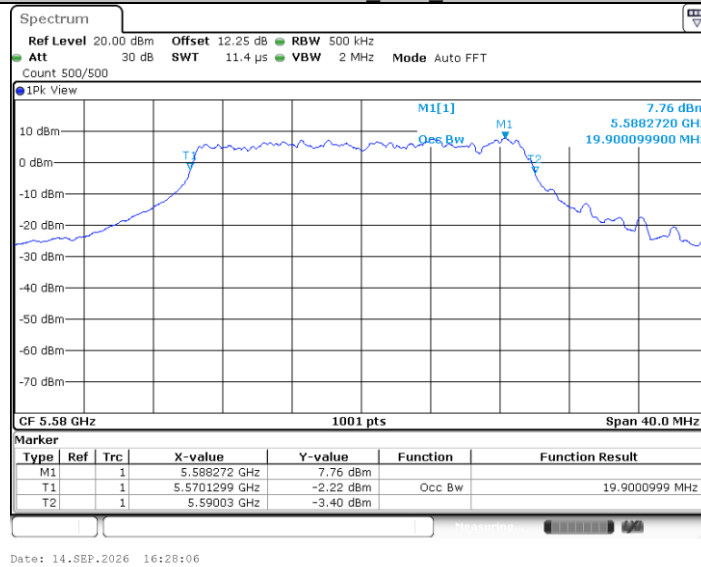
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Langqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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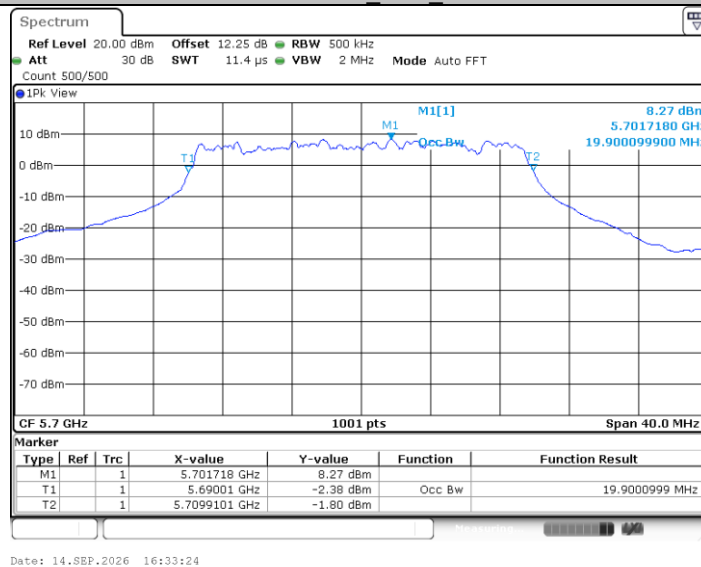
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11AX20SISO_Ant1_5580



11AX20SISO_Ant1_5700



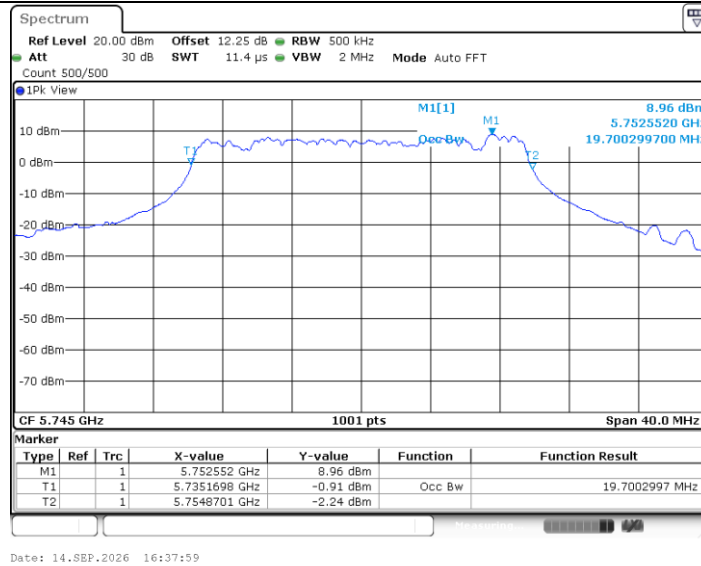
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CTC Laboratories, Inc.

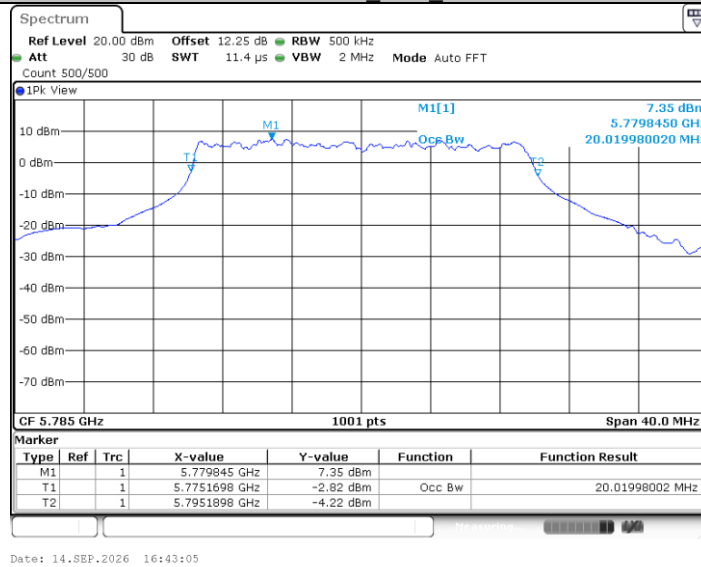
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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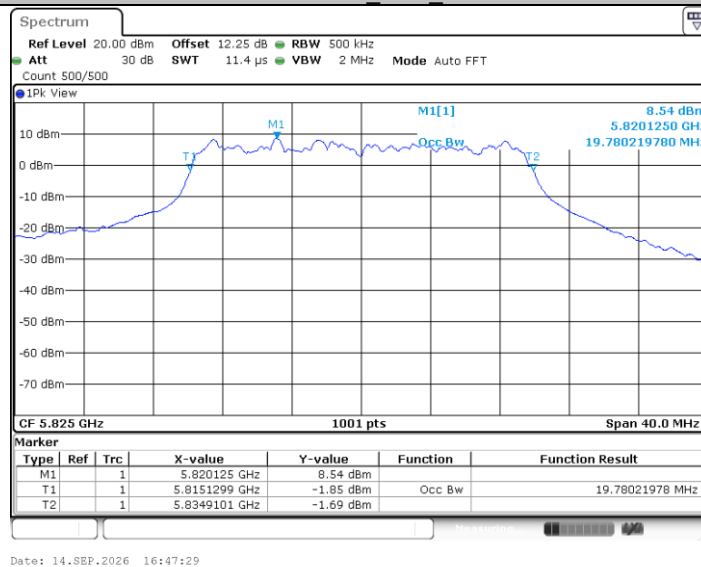
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11AX20SISO_Ant1_5785



11AX20SISO_Ant1_5825



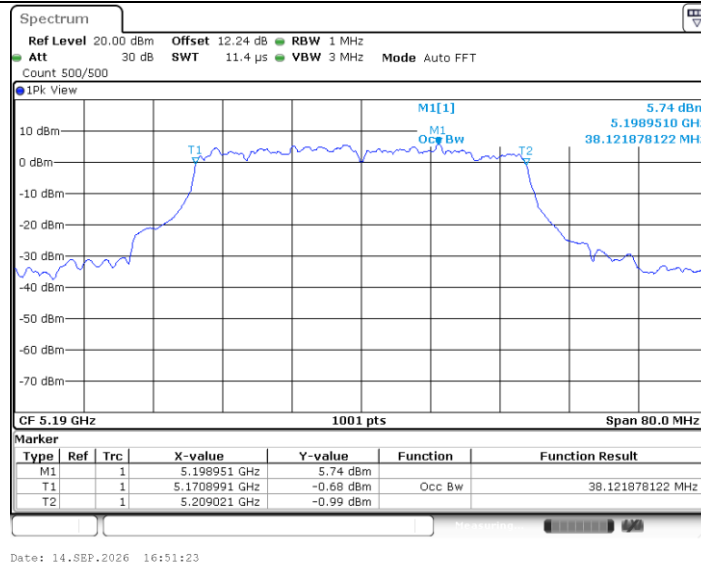
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CTC Laboratories, Inc.

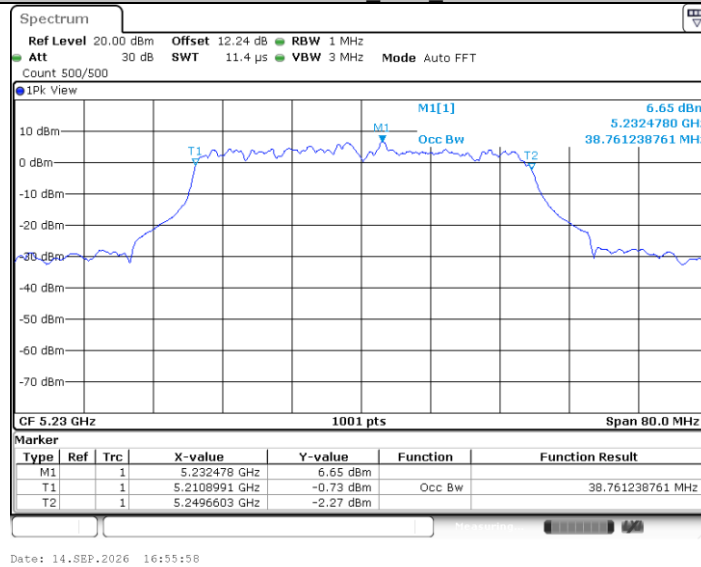
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

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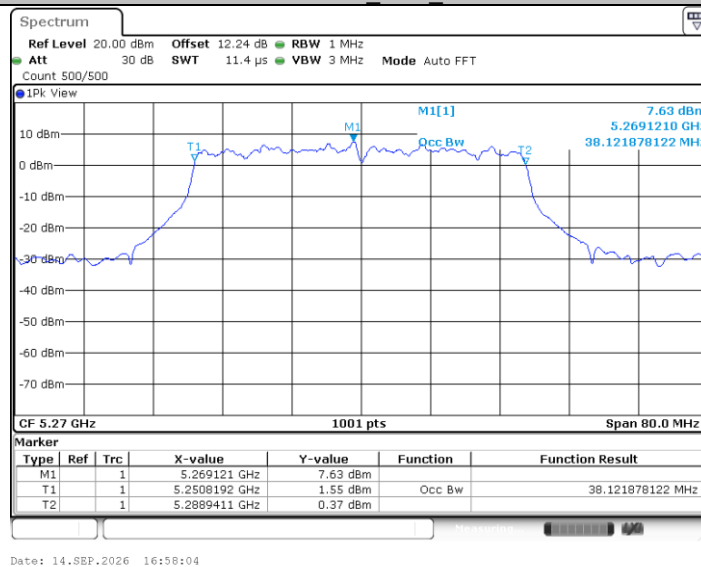
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11AX40SISO_Ant1_5230



11AX40SISO_Ant1_5270



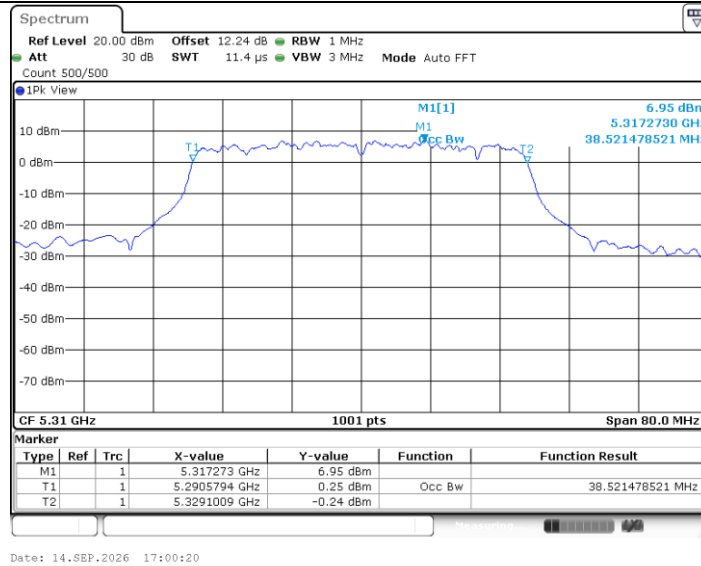
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CTC Laboratories, Inc.

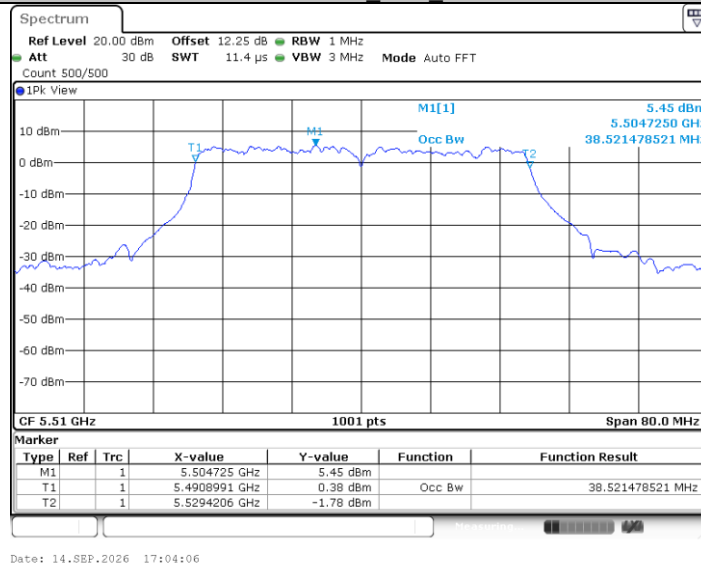
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanting 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

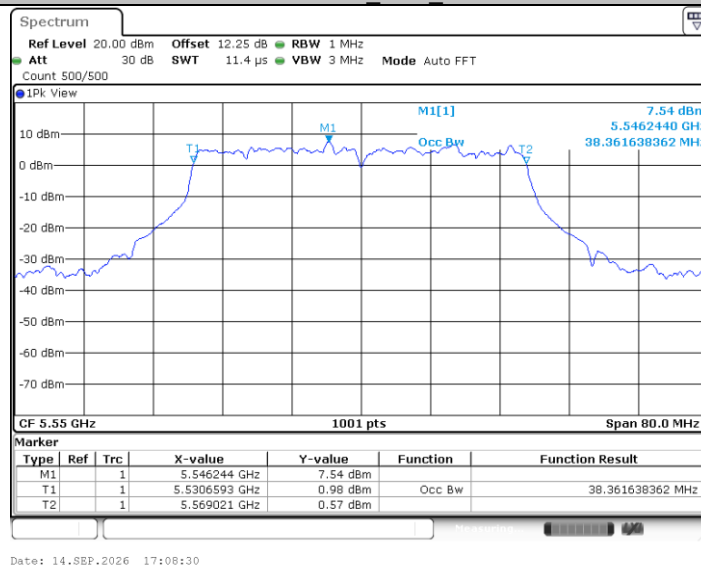
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11AX40SISO_Ant1_5510



11AX40SISO_Ant1_5550



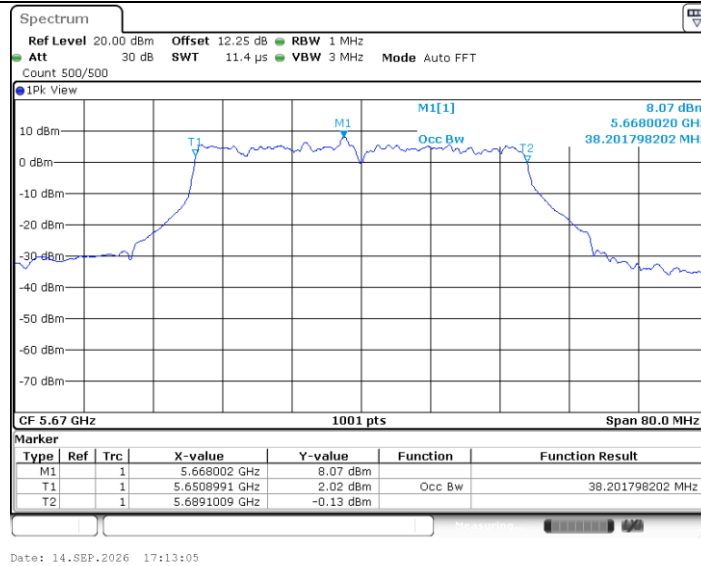
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CTC Laboratories, Inc.

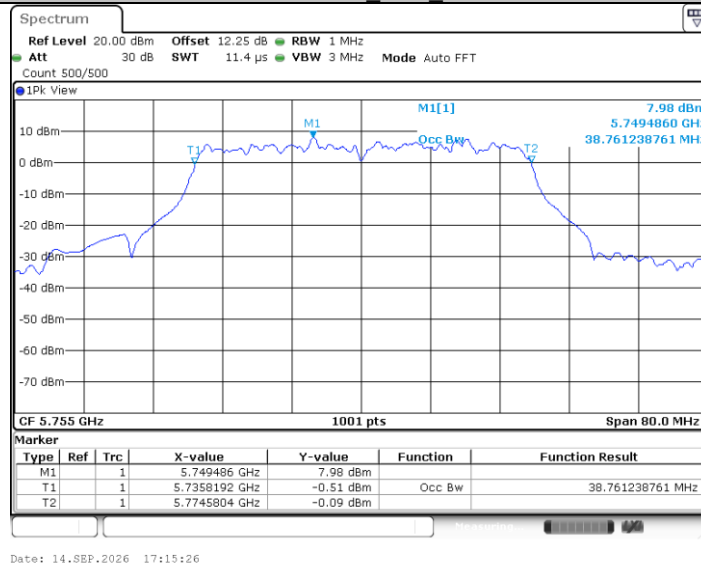
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Lanning 1st Road, Luhu Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

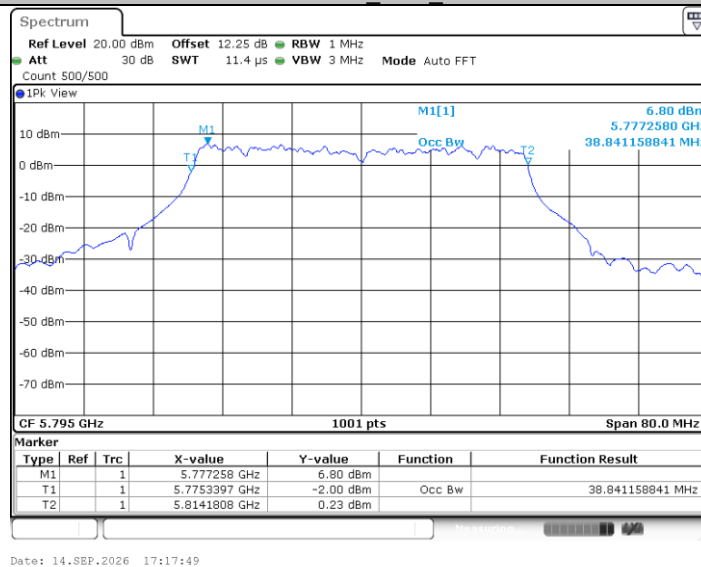
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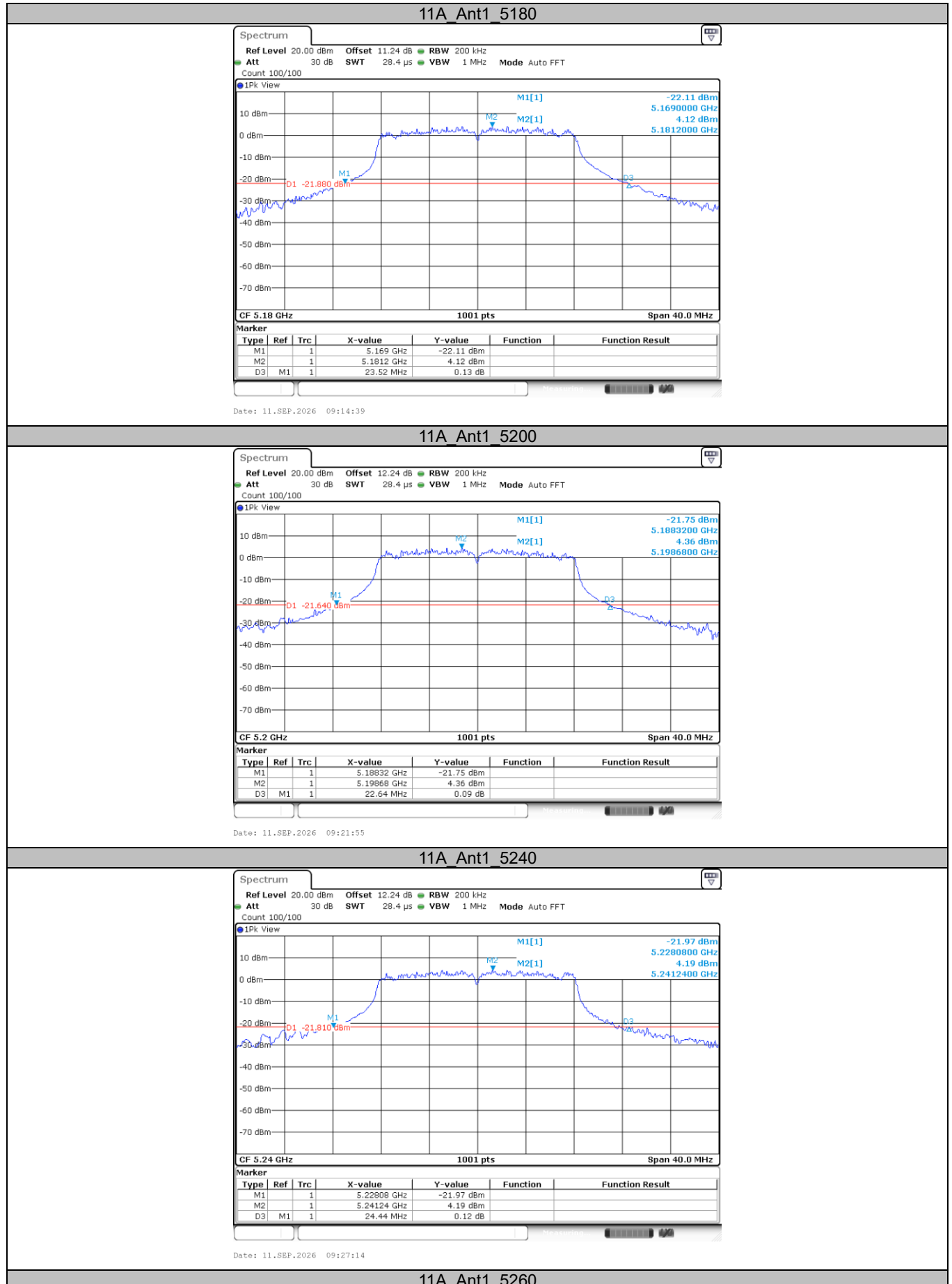
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11AX40SISO_Ant1_5795



26dB Bandwidth:

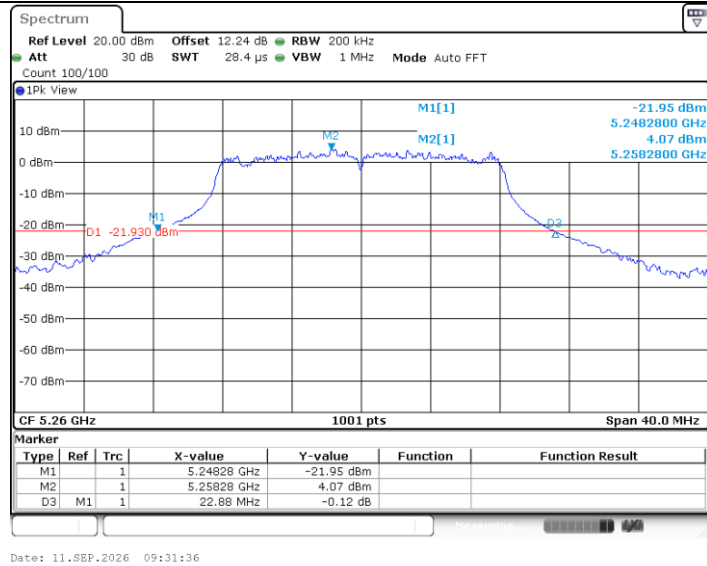


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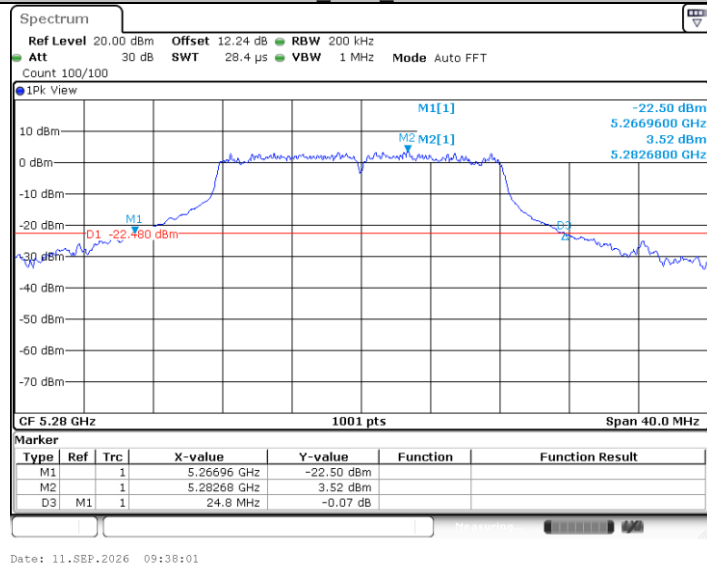
Room 107, 108, 207, 208 of Building A, Room 101 of Building B, No.7, Langqing 1st Road, Luhua Community, Guanhu Subdistrict, Longhua District, Shenzhen, Guangdong, China Tel.: (86)755-27521059 Fax: (86)755-27521011 Http://www.sz-ctc.org.cn

TRF No: CTC-TR-062_A5

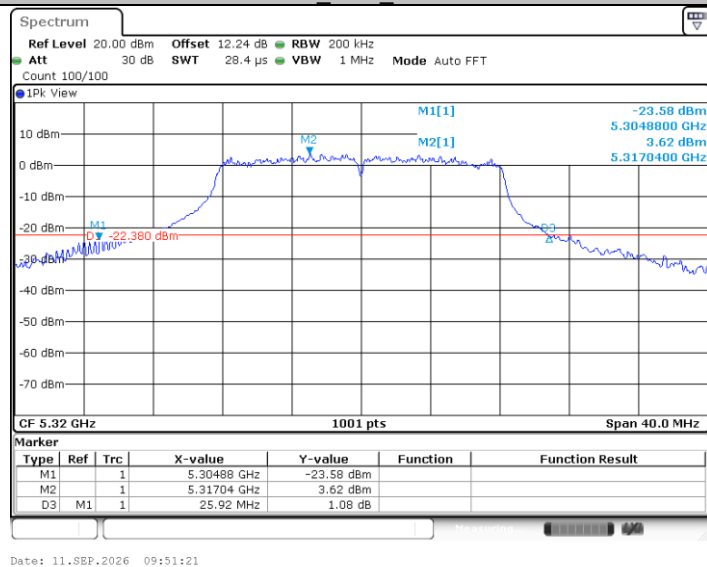
Master TRF : Dated 2026-06-01



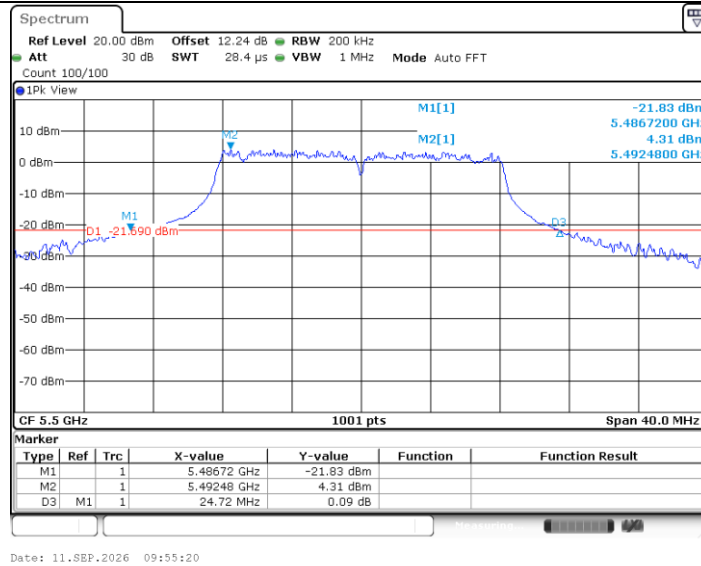
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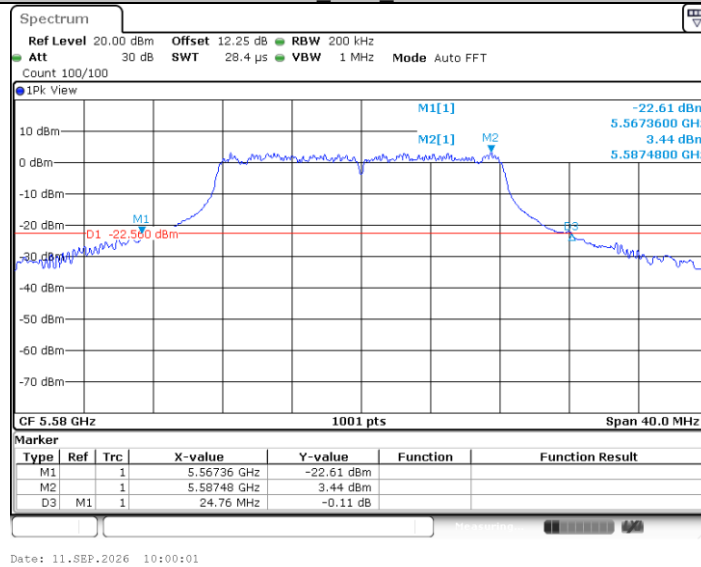
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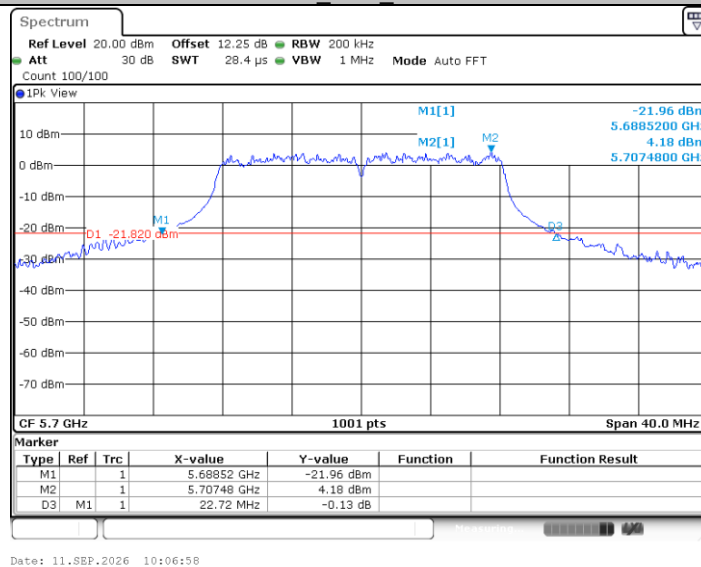
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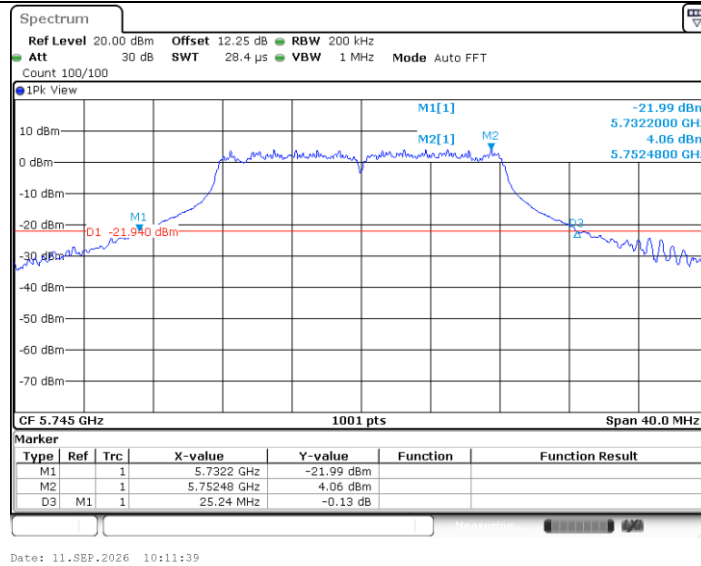
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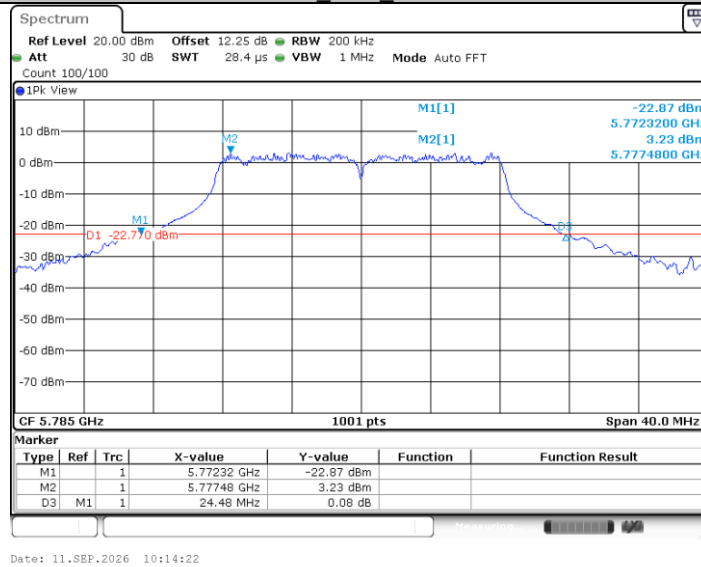
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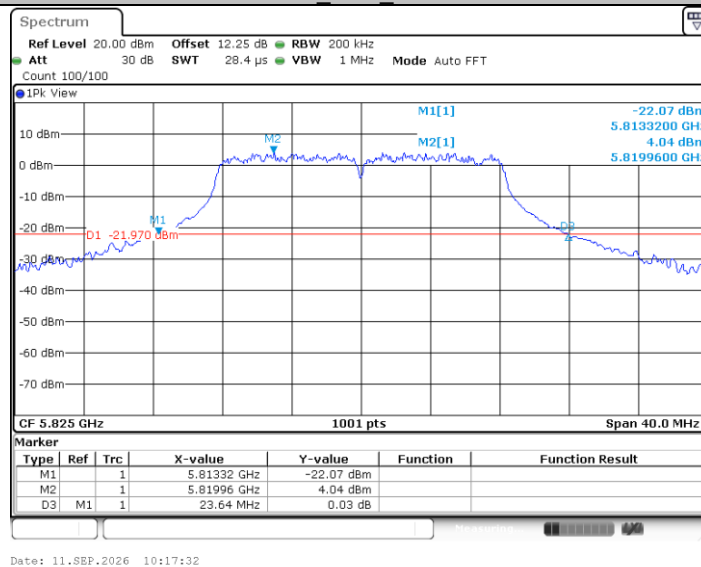
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11A_Ant1_5785



11A_Ant1_5825



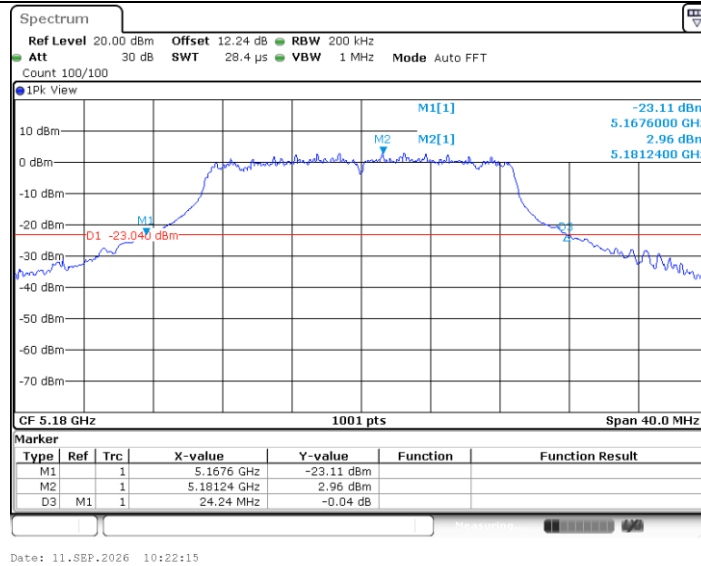
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CTC Laboratories, Inc.

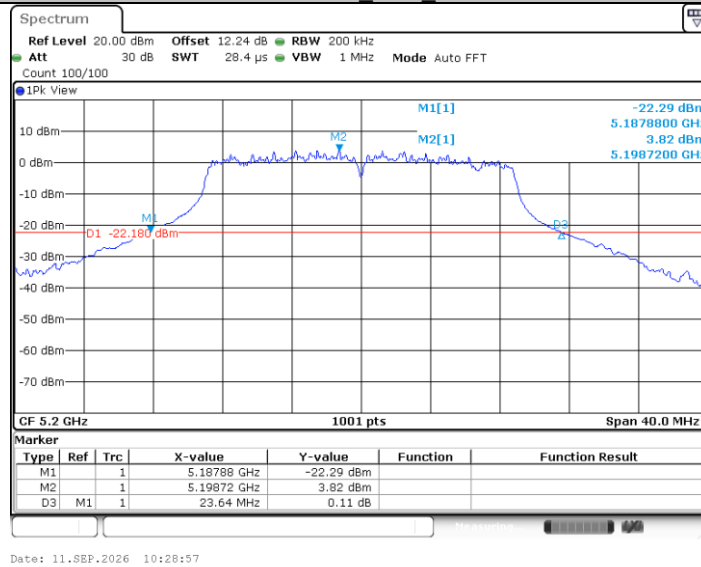
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TRF No: CTC-TR-062_A5

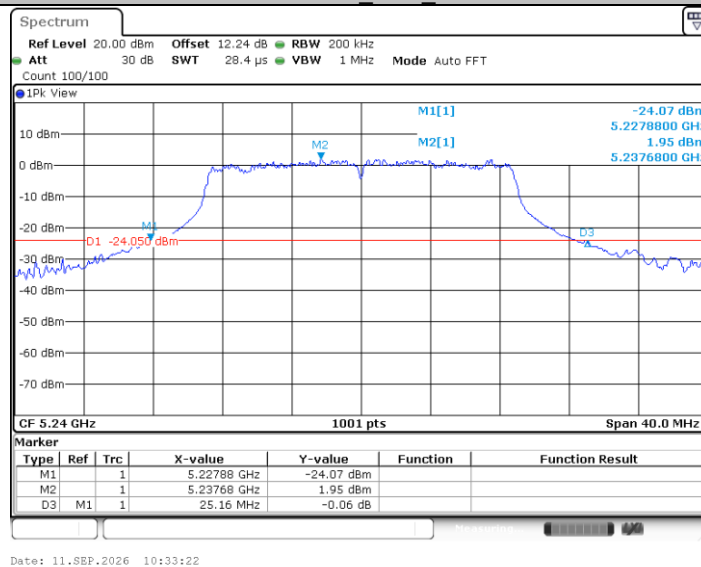
Master TRF : Dated 2026-06-01



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N20SISO_Ant1_5260