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	2020		2019		2018	
	741.34	49.55%	930.81	47.41%	598.01	48.65%
	198.03	13.24%	449.97	22.92%	490.67	39.92%
	231.36	15.46%	309.45	15.76%	105.30	8.57%
	269.12	17.99%	269.88	13.75%	29.87	2.43%
	44.91	3.00%	3.10	0.16%	5.34	0.43%
	11.37	0.76%	-	-	-	-
	1,496.13	100.00%	1,963.21	100.00%	1,229.20	100.00%

	2020	2019	2018
	1,496.13	1,963.21	1,229.20

	32,385.97	34,379.47	34,387.24
	4.62%	5.71%	3.57%

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1978 4

2011 2015 2015

1983 8

2010 2015

2015 2016 2017
2020

1986 1

2012 2015

2015 2018 2018 2019

2019 2020

2020

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118

25.37% 1

13 32

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FCC

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1 FCC

FCC

2 FCC

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3-70nm

7-40nm

130-350cm²/g

0.2-1.5cm²/g

2

	2020	2019	2018
	30,463.19	31,020.74	33,790.31
	32,385.97	34,379.47	34,387.24
	94.06%	90.23%	98.26%

2018	2019	2020
		[2019] ZG10007
[2020] ZG11002		[2021] ZG10918

	2020/12/31	2019/12/31	2018/12/31
	96,248.51	92,168.92	65,386.92
	29,652.47	27,274.92	32,599.38
	66,596.04	64,894.00	32,787.54

	2020	2019	2018
	32,385.97	34,379.47	34,387.24
	3,564.93	4,226.47	7,067.99
	3,205.26	5,123.99	7,140.94
	2,701.52	4,285.93	6,374.64
	2,702.04	4,285.93	6,374.64

	2020	2019	2018
	3,911.39	5,740.83	5,065.68
	-13,011.52	-4,740.57	-2,584.34
	-3,246.01	23,213.85	-1,685.36
	-12,393.37	24,207.38	826.77
	13,795.17	26,188.54	1,981.17

	2020/12/31	2019/12/31	2018/12/31
	1.42	2.33	0.85
	1.16	2.09	0.74

	30.81%	29.59%	49.86%
	26.98%	28.56%	47.54%
	2020	2019	2018
	3.73	3.09	3.28
	4.29	5.86	6.32
	0.39	0.57	0.68
	-0.81	2.42	0.11
	4.62%	5.71%	3.57%

$$\begin{aligned}
 &= \quad \quad \quad / \\
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 &=
 \end{aligned}$$

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2016

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FCC

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60.32% 53.43% 54.55%

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22,432.51	26,073.30	24,078.40
	66.14%	77.65% 75.55%

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7

1

52.42% 50.45%

51.03%

2

			12,802.52	9,477.80
	7,887.59			34,387.24
34,379.47		32,385.97		
37.23%	27.57%	24.35%		

3

40.14% 36.44% 28.82%

	2020	2019	2018
	28.71%	36.98%	40.24%
	52.43%	64.34%	66.94%
	24.36%	32.13%	36.99%
	46.53%	46.88%	31.44%
	35.51%	13.67%	33.18%
	28.82%	36.44%	40.14%

		2018			2019
	2018	3.7		2019	FCC
					2020
2019	7.62			1	
2					
			3	2020	
	998.66				
2020					

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2010 11 15

2013 9 25 2016 12 2 2019 11 28

GR201937100531

15%

[2016]41

6,000 / FCC

2015-2017

2018-2020

[2017]34

20,000 / FCC

2016-2018

2019-2021

FCC

13%

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33,916.74

33,580.68

31,871.09

FCC

27,837.68

24,204.45

22,393.99

2019

FCC

2018

3,633.23

FCC	2020	FCC
2019	FCC	2019

FCC			
	2020	2019	2018
/	12,664.00	13,683.06	14,480.74
	17,683.20	17,689.35	19,223.94
	22,393.99	22,393.99	27,837.68

FCC				
1				
2019	FCC	2018	797.68 /	5.51%
2018	FCC			4,084.04
		0.39 /	2018	FCC
	14,213.77	1,256.62 /	2018	FCC
2018	2019			FCC

	2019			2018
	-			15,470.40
	13,683.06	-530.71	-3.73%	14,213.77
	13,683.06	-797.68	-5.51%	14,480.74

2019	FCC		
	FCC		2018
2019	FCC	14,213.77 /	13,683.06
/	2019	2018	530.71 /
			3.73%
			FCC

FCC

2020 FCC

2020 FCC

FCC

2020 FCC

2020 FCC

3,170 13,834.54 / 4,385.55

3,170 13,834.54 / 4,385.55

3,170 13,834.54 / 4,385.55

3,170 13,834.54 / 4,385.55

2020	12,446.24 /
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2020	12,446.24 /
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13,834.54 / 1,388.3 /

13,834.54 / 1,388.3 /

440.09	2020	248.88	/
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440.09	2020	248.88	/
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440.09	2020	248.88	/
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2018 -2020

	2020	2019	2018
	7,474.45	9,130.16	8,668.64
	151.28	1,700.25	1,601.22

2020	7,474.45	151.28
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2020	7,474.45	151.28
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2020	7,474.45	151.28
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3	2020	FCC
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3	2020	FCC
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3	2020	FCC
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2020

FCC 2020

FCC 2020

2020 FCC

2020 FCC

1,398.43	2019	2,148.01	34.90%
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1,398.43	2019	2,148.01	34.90%
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1,398.43	2019	2,148.01	34.90%
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1,398.43	2019	2,148.01	34.90%
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2020	116.72	/
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2020	116.72	/
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4 FCC

4 FCC

FCC

FCC

2

	2020	2019	2018
	28.71%	36.98%	40.24%
	52.43%	64.34%	66.94%
	24.36%	32.13%	36.99%
-FCC	26.35%	31.94%	37.78%
-	36.72%	28.19%	33.50%
-	53.89%	50.86%	16.86%
	28.82%	36.44%	40.14%
2019	2018	3.70	2020
7.62			FCC

1

2019 2020

	2020		2019
	22,657.34	19.33%	18,986.49
/	1,692.10	-17.30%	2,045.95
/	804.91	10.32%	729.59
	52.43%	-11.91%	64.34%
2020	1,692.10	/	2019
17.30%			

2020 804.91 / 2019
10.32%

	2020	2019	2018
/	1,951.42	2,053.31	2,029.81
/	673.63	692.47	671.07
/	1,277.79	1,360.84	1,358.74
	65.48%	66.28%	66.94%

2 FCC

FCC

37.78% 31.94% 26.35%

FCC

	2020	2019	2018
/	12,664.00	13,683.06	14,480.74
/	9,326.88	9,313.16	9,010.06
-	5,265.67	5,254.49	5,134.98
-	484.38	656.58	581.2
-	2,219.95	2,290.11	2,193.76
-	979.04	1,111.99	1,100.12
-	377.84	-	-
	26.35%	31.94%	37.78%

2019 FCC

2018 5.84

2019 FCC

2020 FCC

2019 5.59

2019	FCC				
119.51	/	75.38	/	2.33%	12.97%
FCC					
					FCC

2020
FCC

2019	FCC			1,161.44
2018		2019	FCC	2018
1,534.59	7.98%			75.38 /
2020				

FCC

132.95 /

a.

b.	57.57	32.56	/
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c.	107.32	60.69	/
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2019

2018

2019

2020 7

189	FCC	18,000
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/

2020

2020.06	69	2020 6 29	2020 8 13
2020.10	60	2020 10 13	2020 10 30
2020.12	60	2020 12 4	2020 12 11

2

FCC

FCC

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2020

FCC

2020

FCC

	2020	2019	2018
	10,059.52	8,645.90	9,097.76

		132.55	/	2020	FCC
6	2020			2020	
		2021			2020
7					
2021		FCC		3,495.48	
		12,944.48			

2019	2020	
4,285.93	2,701.52	
	3,713.42	1,968.77

2

2018	2019	2020	
6,374.64	4,285.93	2,701.52	4,454.03
			32,000.00
3.00%			
		960.00	

3

2018	2019	2020	49.86%
29.59%	30.81%		
			2020
	5,083.96		2018
2020			2019
3,911.39	14,717.90		5,065.68
			5,740.83
			6,374.64
			4,285.93
	2,701.52	13,362.09	
	2020		
		50%	

6

12,068.80

4 / FCC

3 / FCC

1 2020 12 31

			2020.12.31	2019.12.31	2018.12.31
1			131.95	60.26	-
2			798.63	755.09	545.34
3			1,383.86	-	-
4	4 / FCC		5,321.68	-	-
5	3 / FCC		330.34	113.15	-
6			173.91	-	-
7	-		1,619.49	-	-
8			2,108.42	1,247.20	-
			11,868.28	2,175.70	545.34

2

							2020 12 31
7	-	1,860.00	1,619.49	87.07%	-	2021.06	
8		2,400.00	2,108.42	87.85%	-	2021.06	
		81,183.00	11,868.28	-	-		

3 2020 12 31

		2021	2022	2023	2024	2025	2026
	2021.5	10.19	17.46	17.46	17.46	17.46	17.46
	2021.6	40.11	80.22	80.22	80.22	80.22	80.22
	2021.3	112.47	149.96	149.96	149.96	149.96	149.96

828.00	4,432.00	7,097.00	2024
9,000			

2020

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FCC

2 / FCC

2018 2020

FCC

FCC		2020	2019	2018
		20,000.00	20,000.00	20,000.00
		21,175.88	20,280.38	20,035.36
		105.88%	101.40%	100.18%

FCC

4 /

FCC

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A+

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85%

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2019

			FCC		
			2020		2020
	2020			2,701.52	
36.97%					
	2				
		2,607.71	2,362.35	566.28	2018
2019				2020 10	
				12	
2020	17	3			

			FCC		
	3				
	4				

A

A

32,000.00

100

2021 7 7 2027

7 6

0.5% 0.7% 1.2% 1.8%
2.5% 3.0%

1

$I=B \times i$

I

B

i

2

1

2

3

4

2021 7 13

2022 1 13

2027 7

6

1

Q

$Q=V/P$

V

P

/

1

85%

2

1

115%

2

1

130% 130%

2

3,000

$$IA = B \times i \times t / 365$$

IA

B

i

t

1

70%

32,000.00

1	2021	7	6
T-1	A		
2			
3			

	2021	7	6
T-1	3.20		
	100	/	1

	100,000,000	
	3,200,000	
100%	1	

1

1

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7

2

1

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3

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3

1

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3

4

5

6

4

1

2

10%

3

5

2020 6

6

2020 6

1

2

32,000.00 32,000.00

1	4 / FCC	56,169.00	32,000.00
		56,169.00	32,000.00

2013

2013	
2015	
2015	
2015	
2016	
2018	
2018	
2020	

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2020 6 24

2020 7 14

2020

	2
1	
2	
3	1
	2

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