



2020 020339

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FCC

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FCC

FCC

FCC 19,744.72
27,837.68 24,204.45 16,700.30 2017 2019
7.02%

FCC

FCC		2020	1-9	2019	2018	2017
			15,000.00	20,000.00	20,000.00	20,000.00
			14,964.39	20,280.38	20,035.36	16,039.73

		99.76%	101.40%	100.18%	80.20%
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FCC

2020 1-9

			2019			6.96	
2018	6.48		7.33%	2013-2019			
	6.08%	2019	12			1,124	
	947			8.6	/	3,000	/
					2025		10.2
/			5,000	/			
						/	
		5,200	7,700	/			
						5%	6%
					3.5%	2020	125
2025		148					
		FCC					

FCC

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20,000 / 6,000 / FCC

FCC

25

3.5% 2020

125 2025 148

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FCC

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	GI-1-1054	102,577		
50			2020	11
20			2020	
	0156001			

4 / FCC

1		2020-370211-26-03-000016
2		[2020]305

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				2020 11 30
1		700.00	2018	795.41
2		1,246.00	2020	996.62
3	4 / FCC	56,169.00	2020	1,569.59
4	-	1,500.00	2020	1,556.13
5		2,000.00	2019	2,012.81
		61,615.00		6,930.56

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1	3 / FCC	17,956.00	2021	-
2	4 / FCC	28,824.00		-
		46,780.00		-

108,395.00

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FCC

2021 4 / FCC

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1	3 / FCC	17,956.00	2021	-
2	4 / FCC	56,169.00	2020	1,569.59
3	4 / FCC	28,824.00		-
		102,949.00		1,569.59

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15,184.95

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56,169.00

32,000

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/ FCC

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	2020/9/30	2019/12/31	2018/12/31	2017/12/31
	39,707.27	44,482.57	22,066.37	14,539.61
	52,820.45	47,686.34	43,320.55	35,427.65
	92,527.72	92,168.92	65,386.92	49,967.26
	17,793.75	19,100.23	25,962.40	17,193.90
	8,556.60	8,174.69	6,636.98	5,245.64
	26,350.35	27,274.92	32,599.38	22,439.54
	28.48%	29.59%	49.86%	44.91%

28.48%

2.4

55.44%

33.9%

4 / FCC

43.75%

	2020-9-30	2019-12-31	2018-12-31	2017-12-31
	49.86%	51.57%	51.59%	53.23%
	-	51.00%	65.51%	60.54%
	-	43.82%	43.37%	42.79%
	49.86%	48.80%	53.49%	52.19%

2020

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	2020 1-9	2019	2018	2017
	20,884.36	31,236.07	23,991.96	22,611.67
	97.55	83.79	67.93	93.87
	2,590.23	2,642.92	2,545.87	609.26
	23,572.14	33,962.78	26,605.75	23,314.81
	10,612.11	14,962.02	13,080.07	9,331.85
	4,482.22	5,722.79	3,726.63	3,377.95
	2,026.00	3,123.95	3,034.01	3,157.19
	3,559.97	4,413.19	1,699.37	1,446.51
	20,680.30	28,221.95	21,540.07	17,313.50
	2,891.84	5,740.83	5,065.68	6,001.31

6,001.31

5,065.68 5,740.83 2,891.84 19,699.66

5,019.32 6,374.64 4,285.93 2,258.28 17,938.17

3

		2020.9.30				
			2020	4	2021	2022
-2,400	2019.05	762.46	215.12	547.33	-	-
-1,600	2019.11	799.66	143.96	575.84	79.87	-
-2,100	2020.01	1,175.53	188.95	755.79	230.79	-
-2,500	2020.07	1,814.33	233.61	910.73	669.99	-
-1,500	2020.01	1,455.22	141.59	552.14	529.39	232.11
		6,007.19	923.23	3,341.82	1,510.03	232.11

26,660.70 34,387.24

34,379.47 25,231.28

5,019.32 6,374.64 4,285.93 2,258.28

6,001.31 5,065.68 5,740.83 2,891.84

32,000.00 3.00%

960.00 2.4 4.99%

1,198.00 2,158.00

5,602.61

24.2%

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	1	2	3	4	5	6	
	10,372	12,001	11,969	11,937	11,906	11,858	70,043
	4,000	4,000	4,000	4,000	4,000	4,000	24,000
	1,198	998	798	599	599	200	4,392
						32,000	32,000
	960	960	960	960	960	960	5,760

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4.99%

24.2%

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	1	2	3	4	5	6	
	10,372						

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3 4%

4 7,200

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90% 100%

8 191 10 181

110,000 / .

9 10 5

10 30,000 / . 39,600 / .

11 3%

12 4.18%

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14

12%

15

15%

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		/		
		23,008.85	0.65	15,024.78
	FCC	13,982.30	1.70	23,769.91
		19,601.77	0.30	5,880.53
			2.65	44,675.22
		601.77	0.25	150.44
			2.90	44,825.66
				13,815.63
				9,120.67
				1,991.00
				5,689.00
				3,507.00
				1,609.00
				573.00
				30,616.30
				14,209.36
%				31.70
				561.77
				1,344.77
				741.5
				1,874.00
				297.07
				9,390.26
				1,408.54
				7,981.72

	100%	30%	50%	70%
	44,825.66	13,447.70	22,412.83	31,377.96

2,414.16 2,343.52

2,246.16 2,111.06

4,427.78 /

398 / 4,029.78 / 1,410

1,198.86 705.2 /

		2020 1-9	2019	2018	2017
/	2,264.04	990.41	1,111.99	1,100.12	1,121.47

1,395.68 / 640.33 /

56,169 3,507 1,609

1.4 1,300 600

56,169

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		2020 1-9	2019	2018	2017
	23,008.85	23,358.87	21,664.55	15,008.43	17,757.48
	11,122.27	10,792.12	11,365.91	8,232.58	9,501.09
	11,886.58	12,566.75	10,298.63	6,775.85	8,256.39
	51.66%	53.80%	47.54%	45.15%	46.50%

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		2020 1-9	2019	2018	2017
	19,601.77	30,088.50	19,580.77	17,369.23	22,401.57
	12,606.14	11,843.63	13,864.33	11,992.75	9,286.60
	6,995.63	18,244.87	5,716.44	5,376.48	13,114.96
	35.69%	60.64%	29.19%	30.95%	58.54%

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580

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32,000.00

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/ FCC

56,169.00

32,000.00

		45,824.00	81.58%	

1		37,997.00	67.65%	
2		7,827.00	13.93%	
		520.00	0.93%	
		560.00	1.00%	
		2,814.00	5.01%	
		4,979.00	8.86%	
		609.00	1.08%	
		863.00	1.54%	
		56,169.00	100.00%	

2,814.00

609.00

863.00

11.48%

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30%

2020 6 24

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2018 4 2019 5
37.17%

2020

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FCC

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	2020	1-9	2019	2018	2017
	32.76%		36.98%	40.24%	40.59%
	57.38%		64.34%	66.94%	67.37%
	27.04%		32.13%	36.99%	36.00%
-FCC	28.80%		31.94%	37.78%	37.36%
-	40.15%		28.19%	33.50%	40.36%
-	52.07%		50.86%	16.86%	-35.21%
	32.85%		36.44%	40.14%	40.64%

40.64% 40.14% 36.44% 32.85% 2018

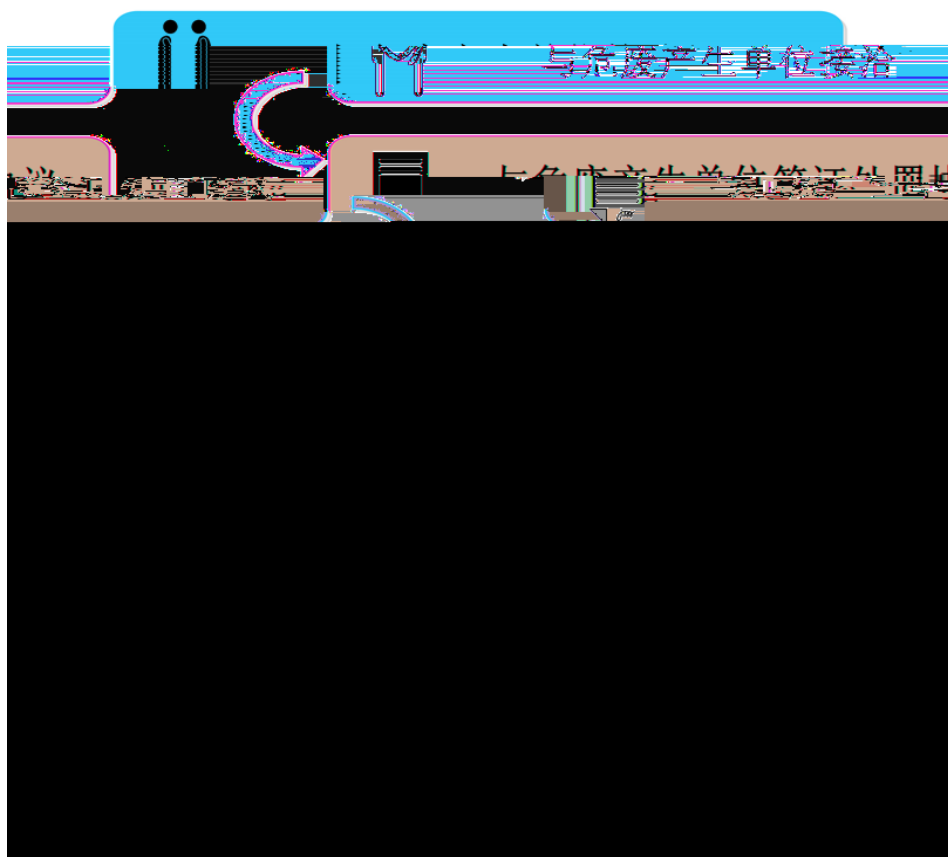
2017 2019 2018

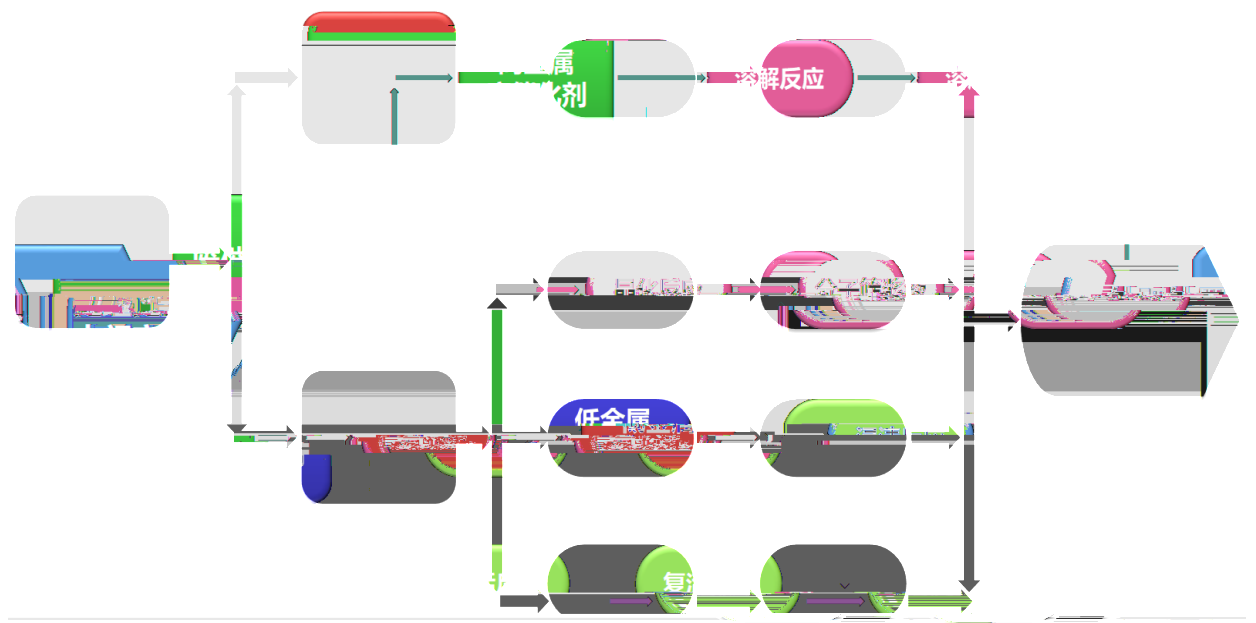
3.7 2019 FCC

2020 1-9 2019

3.59 1

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FCC

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FCC

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2,109.17 /

2,029.81 / 2,045.95 / 1,937.60 /

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688.18 /

671.07 / 729.59 / 825.73 / 2018

/

	2020	1-9	2019	2018	2017
		86.17	49.65	33.59	114.40
		92.94	85.12	76.66	72.57
		100.17	117.01	90.76	109.32
		383.16	366.73	390.34	294.19
		163.29	111.08	79.72	97.70
		825.73	729.59	671.07	688.18

2019 2020 1-9

/

	2020	1-9		2019
		18,017.16	N/A	18,986.49
		1,937.60	-5.30%	2,045.95
		825.73	13.18%	729.59
		57.38%	-6.96	64.34%

2020 1-9 1,937.60 / 2019
5.30%

2020 1-9 825.73 / 2019
13.18%

	2020 1-9	2019	2018	2017
/	1,953.90	2,053.31	2,029.81	2,109.17
/	662.24	692.47	671.07	688.18
/	1,291.66	1,360.84	1,358.74	1,420.99
	66.11%	66.28%	66.94%	67.37%

FCC

FCC

FCC 37.36% 37.78%
31.94% 28.80% FCC

	2020 1-9	2019	2018	2017
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/	12,889.99	13,683.06	14,480.74	14,496.48
/	9,178.06	9,313.16	9,010.06	9,080.70
–	5,440.68	5,254.49	5,134.98	5,229.57
–	485.93	656.58	581.2	562.1
–	2,261.05	2,290.11	2,193.76	2,167.56
–	990.41	1,111.99	1,100.12	1,121.47
	28.80%	31.94%	37.78%	37.36%

	2020	1-9	2019	2018	2017
		-	24.63%	12.90%	19.78%

5.94%

FCC

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6,245.42 / 5,514.35 / 5,416.84 / 6,016.65 /
2020 1-9 2019

FCC

FCC

2020 1-9 2019
2019 11.96

52.07% 2019 2020 1-9 2018 -35.21% 16.86% 50.86%

	2020	1-9	2019	2018	2017
		6,184.88			

2019 2020 2019 2018 646.58
/ 45.61% 2020 1-9 2019 74.81 / 3.62%

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1,113.87 / 1,178.55 /
1,014.33 / 953.59 / 2018 2017 64.68 / 5.81%
2019 2018 164.22 / 13.93% 2020 1-9 2019
60.74 / 5.99%

2019 2020 1-9 2018
2018

2019 2018

37.17%

2018 2019 33,916.74 33,580.68

5,910.37 3,713.42

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	2020	1-9	2019		2018		2017	
	8,922.96	53.44%	10,677.53	50.45%	10,624.44	52.42%	8,095.97	51.50%
	1,123.97	6.73%	1,801.90	8.51%	1,491.52	7.36%	1,294.24	8.23%
	3,821.74	22.89%	5,130.97	24.25%	4,903.31	24.19%	3,675.48	23.38%
	690.35	4.13%	696.29	3.29%	712.37	3.51%	524.49	3.34%
	2,137.37	12.80%	2,856.20	13.50%	2,537.77	12.52%	2,130.71	13.55%
	16,696.39	100.00%	21,162.90	100.00%	20,269.41	100.00%	15,720.89	100.00%

2019 2018 893.49

4.41%

2019

2018 2.60

FCC

FCC

5.84 2019 2018 3.70

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	2020	1-9	2019		2018		2017	
	1,546.05	6.13%	2,251.65	6.55%	1,790.15	5.21%	1,271.70	4.77%
	2,340.66	9.28%	3,758.49	10.93%	2,583.59	7.51%	2,222.27	8.34%
	1,612.69	6.39%	1,963.21	5.71%	1,229.20	3.57%	915.96	3.44%
	160.88	0.64%	412.38	1.20%	704.64	2.05%	557.08	2.09%
	5,660.27	22.43%	8,385.73	24.39%	6,307.57	18.34%	4,967.01	18.63%

2018 2019 6,307.57 8,385.73

18.34% 24.39% 2019 2018

2,078.16 32.95%

2019 2018 461.50 25.78%

2019

2018

2019 2018 1,174.90 45.48%

2019

734.01 59.71%

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2018 2019 517.27 481.67 2019

2018 2019 766.30 838.07 2019

2018 71.77

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2018 2019

464.27 572.51

2019 2018

2019

2018 37.17%

2020

2020 1-9 25,231.28 2.22%

2,972.09 21.94% 2,663.23

43.60% 2,258.28

43.11%

	2020 1-9	2019	2018	2017
	32.76%	36.98%	40.24%	40.59%
	57.38%	64.34%	66.94%	67.37%
	27.04%	32.13%	36.99%	36.00%
-FCC	28.80%	31.94%	37.78%	37.36%
-	40.15%	28.19%	33.50%	40.36%
-	52.07%	50.86%	16.86%	-35.21%
	32.85%	36.44%	40.14%	40.64%

2020 1-9 2019 3.59

FCC 3.14

6.96

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2020 1-9 FCC 2019 3.14

FCC

2020 1-9 2019 793.07 / 5.80%

2020 1-9 FCC 2019 135.10

/ 1.45% 1

2019

170.65 / 25.99% 2

121.58 /

10.93% 186.19 / 3.54%

29.06 / 1.27% FCC

2019

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2020 1-9 1,937.60 / 2019

5.30%

2020 1-9 825.73 / 2019

13.18%

2020

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2020

2017 -2019

	2019	4	2018	4	2017	4
		8,576.50		11,102.24		7,719.30
4 /		24.95%		32.29%		28.95%
		32.50%		41.67%		35.84%
		2,787.30		4,626.63		2,766.28
		316.66		2,358.50		817.05

552.47 223.51

2020

2020 1-9 25,231.28

2,258.28 2020

2017 -2019 2019

2020 2019 2020

2019

FCC

2020 2020

2020 1-9 2,258.28

43.11% 2020 2019

	2020 1-9	2019	2018	2017
10%	203.86	431.15	514.84	378.05
	247.92	248.24	281.21	311.12
	164.32	193.75	136.11	64.50

30%	65.2	83.79	67.93	93.87
13%	193.45	49.34	515.47	-
	874.75	1,006.27	1,515.56	847.54
	2,258.28	4,285.93	6,374.64	5,019.32
	38.74%	23.48%	23.77%	16.89%

847.54	1,515.56
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1,006.27	874.75
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16.89% 23.77% 23.48% 38.74% 2018

515.47 2018

40%

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5 2020 1-9

2020

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	2020	2019	2018	2017	2016
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	197.90	2.8 / .	2020.1.1- 2032.12.31
	529.80	1.8 / .	2020.1.1- 2034.12.31

	120.00	2.8 / ·	2018.7.1- 2028.6.30
	1,058.27	1.6 / ·	2018.7.1- 2028.6.30
	400.00	1.6 / ·	2020.3.1- 2023.2.28
	1,058.27	1.6 / ·	2018.10.1- 2023.9.30
	1,058.27	40 / ·	2018.4.1- 2028.3.31

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1

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% C₀ / C₁

2020

	2020 9 30	2020 10
	1,015.50	1,139.90
	1,059.70	795.76
	136.34	39.53
	2,211.54	1,975.19

2019

	2019 12 31	2020 1
	914.98	1,083.42
	918.70	122.92
	146.79	18.53
	1,980.47	1,224.87

2 /

	2020 9	2019	2018	2017
FCC	1,642.95	1,502.69	405.92	1,490.96
	2,353.50	1,996.78	652.56	1,798.90
	69.81%	75.26%	62.20%	82.88%

FCC

60%

				1
2017	FCC	1,490.96	1,623.92	2,000.60
2018	FCC	405.92	430.40	1,930.00
2019	FCC	1,502.69	1,732.17	2,273.50
2020 9	FCC	1,642.95	2,142.48	1,620.00

2017

2019

2020 9

FCC

30-45

2018 4

FCC

2018 FCC

2020 1-9

FCC

2020 9

FCC

3

1

5.73%

3.58%

1.59%

0.50%

1

2 2019 2020 1-9

	2020 1-9	2019
	32.76%	36.98%
	57.38%	64.34%
	27.04%	32.13%
-FCC	28.80%	31.94%
-	40.15%	28.19%
-	52.07%	50.86%
	32.85%	36.44%

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2020 9

					-		FCC					
					1-3	3		2020	10			= - -
	1		653.49	3,210,108.30	653.49							

5,440.68 11,849.74 3,737.39 1,051.51 7,060.84

2019

1-3

FCC

2020 9

FCC

				1-3	3-6	6-12	13-24	24		2020 10			= - -
	FCC	1,879.98	14,302,659.38	1,820.95	56.35		2.68		7,607.86	11,849.74	191.30	1,051.51	10,606.93
	FCC	262.50	2,126,848.23	262.5					8,102.28	11,849.74		1,051.51	10,798.23

2019

FCC

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2020 1

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13-24

24

2020 9 30 1

			1-3	3-6	6-12	1-2	2
FCC AIC-300	2.68	20,466.77				2.68	
REY-12	5.3	59,350.09				5.3	
CYP-01	1.2	7,829.27				1.2	
THY-202	2.36	23,065.59				2.36	
HIP A	11.06	169,857.85				11.06	
HCR	12.44	6,914.32					12.44

1

4

				1
2019	FCC	1,502.69	1,732.17	2,273.50
2020 9	FCC	1,642.95	2,142.48	1,620.00

2020 12 31 FCC 1,605

2020 9

2020 9 30

5,130.91

FCC

1 /

		2020 9 30						2021	2022	2023
	290.00	274.36	2020.11	95%		10	3%	28.13	28.13	28.13
	180.00	109.78	2021.5	61%		10	3%	10.19	17.46	17.46
	700.00	791.60	2021.6	113%		10	3%	40.11	80.22	80.22
	1,246.00	135.04	2021.3	11%		10	3%	112.47	149.96	149.96
4 / FCC	56,169.00	399.46	2021.9	1%		10-20	3%	876.75	3,507.00	3,507.00
3 / FCC	17,956.00	101.40	2022.4	1%		10-20	3%	-	667.33	1,001.00
	245.00	163.08	2021.1	67%		10-20	3%	14.52	15.84	15.84
-	1,500.00	1,333.87	2021.6	89%		10	3%	90.21	180.42	180.42
	2,000.00	1,382.06	2021.6	69%		20	3%	58.20	116.40	116.40
	80,286.00	4,690.65	-	-	-	-	-	1,230.58	4,762.77	5,096.43

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1		2017 1 9	100.00%	15,000.00		
2		2016 11 18	100.00%	1,000.00		
3		2015 1 17	100.00%	100		
4		2019 8 5	100.00%	15,000.00		
5		2019 8 22	100.00%	5,000.00		
6		2020 12 18	100.00%	20,000.00		

7		2019 11 15	49.03%	6,118.27		

2		500 1 93		400	2020.9.18- 2020.10.22		0%-15%
3		500 1 93		400	2020.9.18- 2020.10.22		0%-7.5%
4		2020 - 149 G		8,000	2020.9.8- 2020.12.8		1.05%-3.65%

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1		- 2020 86 D		8,000.00	2020.6.4- 2020.9.4		1.05%- 3.65%			70.72
2				2,500.00	2020.7.3- 2020.7.30		1.10%- 3.20%			5.92
3				1,800.00	2020.7.6- 2020.7.30		1.10%- 3.20%			3.79

4		JG6007 90		2,000.00	2020.8.12- 2020.11.10		1.35%- 3.15%			15.58
5		B1		3,000.00	7		3%			10.51
6		- 2020 149 G		8,000.00	2020 .9.8- 2020.12.8		1.05%- -3.65%			72.80
7		500 1 93		400.00	2020 .9.18- 2020.10.22		0%- 15%			0
8		500 1 93		400.00	2020.9.18- 2020.10.22		0%- 7.5%			0.2

2

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(此页无正文，为《关于<青岛惠城环保科技有限公司申请向不特定对象发行可转换公司债券的申请报告>有关事宜的承诺函》)

惠城环保科技股份有限公司全体董事、高级管理人员



年 月 日

（本页无正文，为《关于<青岛惠城环保科技股份有限公司申请向不特定对象发行可转换公司债券的审核问询函>的回复》之签字盖章页）

保荐代表人：


张斯亮


毛传武

保荐机构总经理声明：本人已认真阅读本问询函回复的全部内容，了解本问询函回复涉及问题的核查过程、本公司的内核和风险控制流程，确认本公司按照勤勉尽责原则履行核查义务。

