



## PRESS RELEASE

Paris, 25<sup>th</sup> July 2019

### FIXED AND MOBILE HIGH-SPEED BROADBAND JUNE 2019

**High-speed broadband leader SFR continues its roll-out:**  
**4G : Launch of 4G up to 1 Gbit/s**  
**5G : 1<sup>st</sup> connection on a commercial smartphone**  
**Fiber<sup>1</sup> : 13.3 million Fiber connections**

#### Mobile high-speed broadband

- 467 new 4G antennas deployed until end of June 2019
- In the month of June, 4G coverage was brought to 130 towns and 4G+ coverage was brought to 507
- 4G+ 300 Mbits/s was deployed in more than 1,700 towns
- Brest and Dijon: news cities in which 4G+ 500 Mbit/s is being deployed
- Launch of 4G + up to 1 Gbit/s in Nantes
- 1<sup>st</sup> 5G connection made with a commercial smartphone

#### Fixed high-speed broadband

- France's first Fiber<sup>2</sup> infrastructure provider, with 13.3 million eligible FTTx connections
- 208,705 new connections across 199 towns in June 2019
- Signature of an agreement with Rennes Métropole for the deployment of the Fiber in 17 municipalities.
- Signature of the Tarn Public Service Delegation Agreement for the deployment of more than 138,000 FTTH connections.

#### Mobile high-speed broadband:

##### 467 new 4G antennas deployed until end of June 2019

In June 2019, SFR continued the extension of its 4G network by bringing 88 additional sites into service. SFR has now 40,613 antennas. In the first quarter of 2019, SFR covered 98.7% of the population in 4G

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<sup>1</sup> Fiber with optical or coaxial termination, according to elibility

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Furthermore, 3 years ahead of schedule, SFR has achieved its target of 90% coverage of populations in Lesser Populated Zones, as stipulated by the obligatory requirement of 17th January 2022.

**In the month of June, 4G coverage was brought to 130 towns and 4G+ coverage was brought to 507**

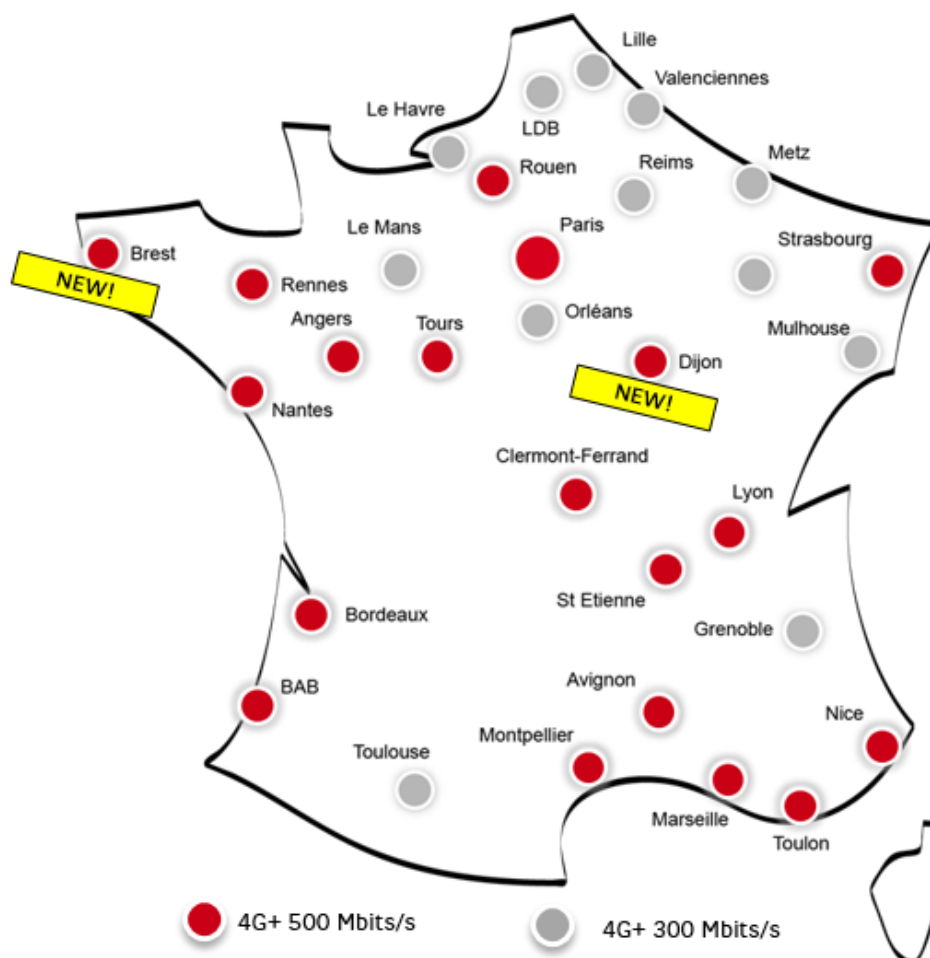
In June, SFR brought 4G to 130 additional towns, and 4G+ to 507 towns. For example, *La Ferté-Saint-Aubin (45)*, *Orgerus (78)* and *Hillion (22)* have enjoyed the arrival of 4G, and *Guémar (68)*, *Les Ayvelles (08)* and *Mons (63)* have benefited from 4G+. (See lists below).

**4G+ 300 Mbits/s was launched in 1,740 towns**

SFR continues its investments which will bring 4G+ of up to 300 Mbit/s to its clients, allowing a theoretical maximum speed 3 times faster than 4G. This technology is already being rolled out in 33 major urban centres (of more than 100,000 residents) across a total of 1,740 towns (See lists below).

**Brest and Dijon: news cities in which 4G+ 500 Mbit/s is being deployed**

In the first quarter of 2019, SFR took an important new step. After *Bordeaux, Lyon, Saint-Etienne, Marseille, Toulon, Nice, Montpellier, Avignon, Nantes, Tours, Paris, Strasbourg, Clermont-Ferrand, Angers, Rouen, Rennes* and *Bayonne-Anglet-Biarritz* SFR continues its deployment in the 4G+ 500 Mbit/s with the launch this month of *Brest and Dijon*



Therefore, customers using a fixed rate 4G plan and a compatible device will benefit from considerably increased data rates at no extra cost and will thereby be able to increase, as they wish, their digital usage when mobile.

4G+ up to 500 Mbit/s is a progression from the standard 4G. Thanks to the aggregation of 4 x 4G frequency bands, 4G+ up to 500 Mbit/s is capable of providing a theoretical maximum speed of 593 Mbit/s, thereby offering unequaled comfort and navigation speed for the user on the go.

### **SFR launches 4G+ up to 1 Gbit/s in Nantes**

First operator to have launched 4G in France, SFR launched 4G+ up to 300 Mbit/s in 2017 and up to 500 Mbit/s in 2018, SFR crossed an ambitious new stage in June 2019 with the launch of 4G+ up to 1 Gbit/s in Nantes.

This evolution of the 4G standard is obtained thanks to the combination of three processes :

- the « 4CA » which makes it possible to aggregate 4 4G frequency bands (LTE 800 MHz, 1800 MHz, 2600 MHz et 2100 MHz)
- the « MIMO 4x4 » (Multiple Input, Multiple Output) enabling an increase of the flows
- The modulation « 256 QAM » which optimizes the flows

The 4G+ up to 1Gbit/s is able to provide a theoretical maximum speed of 1072 Mbit/s, offering a comfort and a speed of navigation unequaled on mobility.

The tests done on the commercial network of Nantes, on a Samsung Galaxy S10, with the nPerf application, made it possible to concretize this promise: more than 850 Mbit/s of downstream flow with the 4G SFR's network, plus a better allocation of the bandwidth for all users.

### **SFR makes the first 5G connection with a commercial smartphone**

As part of the work getting the arrival of 5G ready that the group has been leading since 2018, SFR made the first 5G connection with a commercial smartphone in Paris on June 25 and reached a record flow of more than 1,2 Gbit/s downloading.

Thereby, with the launch of 4G up to 1Gbit/s and the pursuit of the testing about 5G, the group is implementing the most favorable context for the technological transition that will take place next year.

### **Fixed mobile high-speed broadband:**

#### **France's first Fiber<sup>3</sup> infrastructure provider, with 13.3 million eligible FTTx, SFR deployed 208,705 new connections across 199 towns in June 2019**

In June 2019, SFR continued its deployments across the country, and 208,705 residences and local professionals were made Fiber-connectable in 199 towns.

Among those, 145 have received Fiber for the first time, for example *Coyolles (02)*, *Domarin (38)*, *Noirétable (42)*, *Feuquières (60)*, *Puiseux-en-France (95)*, and 54 have enjoyed an extension of their Fiber coverage, such as *Châteauneuf-les-Martigues (13)*, *Veauche (42)*, *Laigneville (60)*, *Le Petit-Quevilly (76)*, *Vaison-la-Romaine (84)*, (See lists below).

Currently, SFR's Fiber<sup>4</sup> services are available in more than 3,200 French towns and more than 2,400 towns enjoy speeds of up to 1Gbit/s.

#### **In June, Rennes Métropole and SFR signed an agreement to deploy 40,000 Fiber connections in 17 municipalities**

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<sup>3</sup> Fiber with optical or coaxial termination, according to eligibility

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This agreement responds to the shared objective of the signatories to offer, over the next few years, an access to fiber for individuals and companies allowing them to benefit from complete and innovative digital services. As a partner of Rennes Métropole, SFR is stepping up its investments in this area and is taking another step towards the widespread use of Very High Flow. To date, more than 147,000 households in Ille-et-Vilaine can already benefit from the speed and performance of the Fiber<sup>5</sup>.

**Signature of the Tarn Public Service Delegation Agreement which seals the partnership between the Tarn Departmental Council and SFR.**

Over the next four years, more than 138 000 FTTH connections (Fiber to the Home) will be built on the whole Tarn area to serve all individuals, companies and public institutions. 47 Optical Connection Nodes (OCN) will also be created to enable their connection. In all, 450 000 kilometers of Optical Fiber will be needed for the deployment of Very High Flow throughout the Tarn.

*Details of offers available at [sfr.fr](http://sfr.fr)*

**About Altice France - [alticefrance.com](http://alticefrance.com)**

*Altice France is the leading telecoms-media convergence player in France.*

*Through SFR, France's second-largest communications services company, Altice France is a telecommunications industry leader serving 22 million customers. SFR owns the country's first fiber optic network (FTTB / FTTH) with 13.3 million eligible FTTx connections. SFR is also covering nearly 99% of the population in 4G.*

*SFR enjoys a major presence across the entire market, among the public, businesses, local authorities and other telecom companies.*

*Altice France is also a leading media group with 14 television channels, two radio stations and five press publications, amongst which are iconic brands such as BFM, RMC, Libération and L'Express.*

*Whether through its digital newsstand, portfolio of sporting fixture rights, or the creation, funding or purchase of original and exclusive content, Altice France is a pioneer of new publishing and distribution models open to all.*

*In 2018, Altice France achieved a turnover of 10.2 billion euro.*

*Follow the Group's latest news on Twitter: [@AlticeFrance](https://twitter.com/AlticeFrance)*

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<sup>5</sup> Fiber with optical or coaxial termination, according to eligibility

## **APPENDIX**

### **4G - June 2019**

#### **New towns of more than 2,000 residents provided with 4G coverage in June 2019:**

Listed by department: : Saint-Cézaire-sur-Siagne (06), Hillion (22), Jugon-les-Lacs (22), Iffendic (35), La Ferté-Saint-Aubin (45), Montier-en-Der (52), Maroeuil (62), Orgerus (78), Évenos (83), Solliès-Toucas (83).

### **4G+ - June 2019**

#### **New towns of more than 5,000 residents provided with 4G+ coverage in June 2019:**

Listed by department: Feugueroles-Bully (14), Lédenon (30), Les Bréviaires (78).

### **4G+ 300 Mbit/s - June 2019**

#### **Main towns provided with 4G+ plus up to 300 Mbit/s in June 2019:**

Listed by department: Montluçon (03), Romilly-sur-Seine (10), Castelnaudary (11), Hérouville-Saint-Clair (14), Royan (17), Montélimar (26), Romans-sur-Isère (26), Bastia (2B), Gujan-Mestras (33), Montbrison (42), Toul (54), Florange (57), Tarbes (65), Canet-en-Roussillon (66), Fontainebleau (77), Castelsarrasin (82), Montauban (82).

### **4G+ 500 Mbit/s - June 2019**

#### **Main towns provided with 4G+ plus up to 500 Mbit/s in June 2019:**

Listed by department: Dijon (21), Brest (29).

### **Fiber - June 2019**

#### **New towns receiving Fiber<sup>(1)</sup> for the first time in June 2019:**

Listed by department: Buellas (01), Saint-Rémy (01), Autremencourt (02), Coyolles (02), Cuirieux (02), La Neuville-Bosmont (02), Omissy (02), Toulis-et-Attencourt (02), Vesles-et-Caumont (02), Villemoustausou (11), Mimet (13), Les Aix-d'Angillon (18), Chéry (18), Lury-sur-Arnon (18), Méreau (18), Bethoncourt (25), Champagny (25), Champvans-les-Moulins (25), Serre-les-Sapins (25), Champhol (28), Buzançais (36), Domarin (38), Maubec (38), Nivolas-Vermelle (38), Saint-Marcel-Bel-Accueil (38), Apinac (42), Arthun (42), La Bénisson-Dieu (42), Briennon (42), Bussy-Albieux (42), Cervières (42), Chalmazel-Jeansagnière (42), La Chamba (42), Chambles (42), La Chambonie (42), Civens (42), Lay (42), Malleval (42), Marlihes (42), Mars (42), Merle-Leignec (42), Neulise (42), Noirétable (42), Pinay (42), Rozier-Côtes-d'Aurec (42), Saint-André-d'Apchon (42), Saint-Denis-de-Cabanne (42), Saint-Hilaire-Cusson-la-Valmitte (42), Saint-Jean-la-Vêtre (42), Saint-Jodard (42), Saint-Just-en-Bas (42), Saint-Pierre-de-Boeuf (42), Saint-Pierre-la-Noaille (42), Saint-Priest-la-Vêtre (42), Saint-Régis-du-Coin (42), Saint-Sixte (42), Saint-Symphorien-de-Lay (42), Les Salles (42), Salvizinet (42), Usson-en-Forez (42), La Baule-Escoublac (44), Le Pellerin (44), Chaingy (45), Messas (45), Villorceau (45), Argancy (57), Fèves (57), Maizières-lès-Metz (57), Semécourt (57), Trémery (57), Coulanges-lès-Nevers (58), Beaudignies (59), Bellaing (59), Caullery (59), Dechy (59), Dehéries (59), Élincourt (59), Esnes (59), Guesnain (59), Haucourt-en-Cambrésis (59), Haveluy (59), Hérin (59), Ligny-en-Cambrésis (59), Malincourt (59), Maresches (59), Marpent (59), Marquette-en-Ostrevant (59), Oisy (59), Orsinval (59), Sepmeries (59), Villers-Pol (59), Walincourt-Selvigny (59), Wallers (59),

*Abancourt (60), Blargies (60), Brombos (60), Broquiers (60), Feuquières (60), Hannaches (60), Ivry-le-Temple (60), Lannoy-Cuillère (60), Moliens (60), Monceaux-l'Abbaye (60), Noailles (60), Romescamps (60), Saint-Thibault (60), Saint-Valery (60), Sarcus (60), Villers-sur-Auchy (60), Saint-Étienne-au-Mont (62), Bernardswiller (67), Bernardvillé (67), Boersch (67), Itterswiller (67), Jetterswiller (67), Kleingoeft (67), Lochwiller (67), Nothalten (67), Ottrott (67), Reichsfeld (67), Reutenbourg (67), Saint-Nabor (67), Saverne (67), Westhouse-Marmoutier (67), Jons (69), Lessard-le-National (71), Challes-les-Eaux (73), Bihorel (76), Bois-Guillaume (76), Férolles-Attilly (77), Bollène (84), Saignon (84), Perrigny (89), Argiésans (90), Banvillars (90), Buc (90), Urcerey (90), Asnières-sur-Oise (95), Belloy-en-France (95), Chaumontel (95), Luzarches (95), Margency (95), Puisieux-en-France (95), Saint-Martin-du-Tertre (95), Viarmes (95).*

**Towns whose fiber<sup>(1)</sup> coverage was extended in June 2019:**

*Listed by departement: Saint-Quentin (02), Nice (06), Troyes (10), Châteauneuf-les-Martigues (13), La Ciotat (13), Bourges (18), Quimper (29), Ajaccio (2A), Toulouse (31), Bordeaux (33), Mérignac (33), Pessac (33), Saint-Médard-en-Jalles (33), Saint-Just-Saint-Rambert (42), Veauche (42), La Montagne (44), Rezé (44), Saint-Herblain (44), Beaugency (45), Fleury-les-Aubrais (45), Olivet (45), Avrillé (49), Verdun (55), Lorient (56), Attiches (59), Laigneville (60), Calais (62), Le Mans (72), Annecy (74), Le Havre (76), Mont-Saint-Aignan (76), Oissel (76), Le Petit-Quevilly (76), Sotteville-lès-Rouen (76), Conflans-Sainte-Honorine (78), Élancourt (78), Saint-Germain-en-Laye (78), Hyères (83), Six-Fours-les-Plages (83), Apt (84), Vaison-la-Romaine (84), Valréas (84), Auxerre (89), Épinay-sous-Sénart (91), Morangis (91), Neuilly-sur-Marne (93), Argenteuil (95), Bezons (95), Eaubonne (95), Franconville (95), Groslay (95), Montigny-lès-Cormeilles (95), Montmorency (95), Soisy-sous-Montmorency (95).*