US 902-928 (US915.x)
Detalhamento das Faixas de Frequências US902-928

	as Faixas de Frequências US902-928	D . D .	0 ° 1 D	F1 *. /
Link	US902-928 MHz {Sub-banda}	Data Rate	Config LoRa	[bits /
TT4	(USA, Canadá e América do Sul)			seg]
Upstream	{.a:+0}: [00] 902,3 / [01] 902,5 / [02] 902,7 /			
- 64 canais	[03] 902,9 / [04] 903,1 / [05] 903,3 / [06] 903,5			
- BW 125 kHz	/ [07] 903,7			
- DR0 a DR3	{.b:+8}:[00] 903,9 / [01] 904,1 / [02] 904,3 /			
- Coding Rate:	[03] 904,5 / [04] 904,7 / [05] 904,9 / [06]			
4/5	905,1 / [07] 905,3			
- incremento de	{.c:+16}: [00] 905,5 / [01] 905,7 / [02] 905,9 /			
200 kHz	[03] 906,1 / [04] 906,3 / [05] 906,5 / [06] 906,7			
	/ [07] 906,9			
	{.d:+24}: [00] 907,1 / [01] 907,3 / [02] 907,5 /			
	[03] 907,7 / [04] 907,9 / [05] 908,1 / [06] 908,3	DR0	SF10 / 125 kHz	980
	/ [07] 908,5	DR1	SF9 / 125 kHz	1.760
	{.e:+32}: [00] 908,7 / [01] 908,9 / [02] 909,1 /	DR2	SF8 / 125 kHz	3.125
	[03] 909,3 / [04] 909,5 / [05] 909,7 / [06] 909,9	DR3	SF7 / 125 kHz	5.470
	/ [07] 910,1			
No Brasil estas	{.f:+40}: [00] 910,3 / [01] 910,5 / [02] 910,7 /			
frequências estão	[03] 910,9 / [04] 911,1 / [05] 911,3 / [06] 911,5			
reservadas para	/ [07] 911,7			
outro serviço.	{.g:+48}: [00] 911,9 / [01] 912,1 / [02] 912,3 /			
NÃO usar!	[03] 912,5 / [04] 912,7 / [05] 912,9 / [06] 913,1			
	/ [07] 913,3			
	{.h:+56}: [00] 913,5 / [01] 913,7 / [02] 913,9 /			
	[03] 914,1 / [04] 914,3 / [05] 914,5 / [06] 914,7			
TT4	/ [07] 914,9			
Upstream	[00+(64)] 903,0			
- 8 canais	[01+(64)] 904,6			
-BW 500 kHz - DR4	[02+(64)] 906,2 [03+(64)] 907,8	DR4	SF8 / 500 kHz	12.500
- Coding Rate:	[03+(04)] 907,8	DR4 DR5:7	RFU	12.300
4/5	[05+(64)] 911,0	DK3.7	KITO	
- incremento de	[06+(64)] 912,6			
1,6 MHz	[07+(64)] 914,2			
Downstream	[0] 923,3	DR8	SF12 / 500 kHz	980
- 8 canais	[1] 923,9	DR9	SF12 / 500 kHz	1.760
- BW 500 kHz	[2] 924,5	DR10	SF10 / 500 kHz	3.900
- DR8 a DR13	[3] 925,1	DR11	SF9 / 500 kHz	7.000
- incremento de	[4] 925,7	DR12	SF8 / 500 kHz	12.500
600 kHz	[5] 926,3	DR13	SF7 / 500 kHz	21.900
	[6] 926,9	DR14	RFU	
	[7] 927,5	DR15	LoRaWAN	
USA, Canada e ou	tros: FCC - Part15 regulations in 902-928 ISM ba	nd		

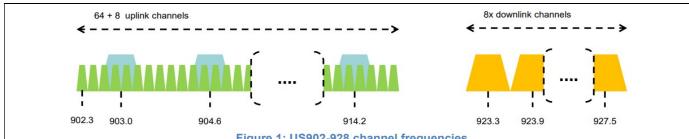


Figure	1:	US902-928	channel	freq	uencies
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Modulation	Sync word	Preamble length
LORA	0x34	8 symbols

The following parameters are recommended values for the US902-928 band.

RECEIVE_DELAY1

RECEIVE DELAY2 2 s (MUST be RECEIVE DELAY1 + 1s)

JOIN_ACCEPT_DELAY1 5 s JOIN_ACCEPT_DELAY2 6 s MAX_FCNT_GAP 16384 ADR_ACK_LIMIT 64 ADR_ACK_DELAY 32

ACK_TIMEOUT 2 +/- 1 s (random delay between 1 and 3 seconds)

TXPower	Configuration (conducted power)
0	30 dBm - 2*TXpower
1	28 dBm
2	26 dBm
3:13	
14	2 dBm
15	Defined in LoRaWAN

Table 13: US902-928 TX power table

