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

Detainamento da	is Faixas de Frequências <b>US902-928</b>			
Link	US902-928 MHz {Sub-banda}	Data Rate	Config LoRa	[bits /
	(USA, Canadá e América do Sul)			seg]
Upstream	<b>{.a:+0}:</b> [00] <b>902,3</b> / [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			
	<b>{.d:+24}:</b> [00] 907,1 / [01] 907,3 / [02] 907,5 /		_	
	[03] 907,7 / [04] 907,9 / [05] 908,1 / [06] 908,3	DR0	SF10 / 125	980
	/ [07] 908,5	DR1	kHz	1.760
	{.e:+32}: [00] 908,7 / [01] 908,9 / [02] 909,1 /	DR2	SF9 / 125 kHz	3.125
	[03] 909,3 / [04] 909,5 / [05] 909,7 / [06] 909,9	DR3	SF8 / 125 kHz	5.470
	/ [07] 910,1	DKS	SF7 / 125 kHz	3.170
	{.f:+40}: [00] 910,3 / [01] 910,5 / [02] 910,7 /			
	[03] 910,9 / [04] 911,1 / [05] 911,3 / [06] 911,5			
	(03) 710,7			
	{.g:+48}: [00] 911,9 / [01] 912,1 / [02] 912,3 /			
	[03] 912,5 / [04] 912,7 / [05] 912,9 / [06] 913,1			
	[03] 912,3 / [04] 912,7 / [03] 912,9 / [00] 913,1     / [07] 913,3			
	<b>{.h:+56}:</b> [00] 913,5 / [01] 913,7 / [02] 913,9 /			
	[03] 914,1 / [04] 914,3 / [05] 914,5 / [06] 914,7			
TT	/ [07] <b>914,9</b>			
Upstream	[00+(64)] <b>903,0</b>			
- 8 canais	[01+(64)] 904,6			
-BW 500 kHz	[02+(64)] 906,2	DD4	CEO / 500 111	10 500
- DR4	[03+(64)] 907,8	DR4	SF8 / 500 kHz	12.500
- Coding Rate:		DR5:7	RFU	
4/5	[05+(64)] 911,0			
- incremento de	[06+(64)] 912,6			
1,6 MHz	[07+(64)] 914,2	DDO		000
Downstream	[0] 923,3	DR8	SF12 / 500 kHz	980
- 8 canais	[1] 923,9	DR9	SF11 / 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 SF7 / 500 kHz	12.500
600 kHz	[5] 926,3	DR13	RFU	21.900
	[6] 926,9	DR14	LoRaWAN	
1104 0 1	[7] 927,5	DR15	1201ta W 111	
USA, Canada e ou	tros: FCC - Part15 regulations in 902-928 ISM ba	ınd		

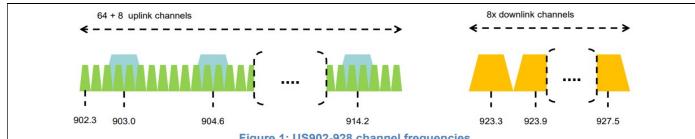


Figure	1:	US902-928	cnannei	trequ	uencie	1

Modulation	Sync word	Preamble length
LORA	0x34	8 symbols

The following parameters are recommended values for the US902-928 band. RECEIVE\_DELAY1 1 s

1 s 2 s (MUST be RECEIVE\_DELAY1 + 1s) RECEIVE\_DELAY2

JOIN\_ACCEPT\_DELAY1 JOIN\_ACCEPT\_DELAY2 MAX\_FCNT\_GAP 5 s 6 s 16384 ADR\_ACK\_LIMIT ADR\_ACK\_DELAY ACK\_TIMEOUT 64 32

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