

R&S®SFU-K227

T2-MI Stream Library

Specifications

The scope of T2-MI stream ¹ applications depends on the R&S®SFx-K22 TRP player option of the R&S®SFx.

T2-MI streams	sequences in line with EN 302755	version 1.2.1	
	TRP player (R&S®SFx-K22)	required for playout	
Transmission	T2-MI modes	single and multiple PLP	
	PLP configurations	depending on loaded stream	
	number of PLPs	1 PLP to 5 PLP	
	FFT size	8k, 16k, 32k	
	guard interval	19/128, 1/32, 1/128	
	data symbols	27, 59, 108	
	channel model	SISO	
	PAPR	none, P2-TR and L1 ACE only	
	frames per superframe		
	T2-MI static single PLP		2 frames
	T2-MI static/dynamic multiple PLP		2 frames, 12 frames
	bandwidth		8 MHz
	extended carrier mode		yes, no
	pilot pattern		PP1, PP3, PP7
	L1 modulation		BPSK, QPSK, 16QAM, 64QAM
	subslices per frame		1, 108, 270
	FEF		none
	L1 repetition		0, 1
	number of PLPs		1, 2, 3, 5
	number of RFs		1
	number of AUXs		0
	T2 system ID		0x0000
	network ID		0x0000
	cell ID		0x0000
	RF frequency		0 Hz
	vclip		infinity
	L1 extension		no
L1 bias balancing cells		no	
L1 ACE MAX		0	
Signal set	T2-MI streams	single PLP, static MPLP, dynamic MPLP	
	content	Rohde & Schwarz SDTV and HDTV video and audio (see manual for detailed description)	

¹ Further streams in preparation.

T2-MI static single PLP	PLP configurations	RS500noTIL, RS502TilType0
	PLP_ID	0 (PLP 1)
	type	1
	modulation	64QAM, 256QAM
	rate	2/3, 5/6
	FEC type	64800
	rotated QAM	yes
	FEC blocks per interleaving frame	25, 202
	max. FEC blocks per interleaving frame	25, 202
	frame interval (I_JUMP)	1
	type of time interleaving	0
	time interleaving length	0, 3
	input stage	
	mode	HEM
	ISSY	no
	null packet deletion	no
	in-band signaling	no
	input TS rate	26.112925 Mbps, 40.214645 Mbps
	T2-MI	
	T2 timestamp	null/relative, begin at 0
	TS PID	0x1000
	output TS rate	50 Mbps
	T2-MI static/dynamic multiple PLP	PLP configurations
PLP_IDs		0 to 4 (PLP 1 to PLP 5)
PLP group		0, 1
type		0, 1, 2
modulation		QPSK, 64QAM, 256QAM
rate		2/3, 3/5
FEC type		16200, 64800
rotated QAM		yes, no
FEC blocks per interleaving frame		dynamic static (3, 20, 30, 32, 35)
max. FEC blocks per interleaving frame		3, 20, 32, 35, 50, 57
frame interval (I_JUMP)		1
type of time interleaving		0
time interleaving length		1
input stage		
mode		HEM
ISSY		yes
BUFS		327680, 483328, 1048576, 1613824, 1769472, 2097152
design delay (samples)		939080, 946622, 977855, 1143097, 1143269
null packet deletion		yes, no
in-band signaling (IBS)		type A, type B
number of other PLPs in-band signaling		0
T2-MI		
T2 timestamp		null
TS PID	0x1000	
output TS rate	50 Mbps	
Stream support	R&S®SFU	full support of all streams (firmware 2.32)
	R&S®SFE	with firmware 2.40
	R&S®SFE100	with firmware 2.40

Ordering information

Designation	Type	Order No.
T2-MI Stream Library	R&S®SFU-K227	2115.2120.02

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