

Front-end Module | RF Components and RF Subsystems Specification

Tx Path

Front End Module PARAMETERS		RF Front End Module SPECIFICATION
Frequency Range		1860.625 ~ 1869.375 MHz
Insertion Loss (TxA(B) IN → ANT A(B))		0.8 dB Max.
Pass Band (TxA(B) IN → ANT A(B))		0.3 dB Max.
Return Loss (TxA(B) IN, ANT A(B))		20.0 dB Min.
Attenuation	Fcf -16MHz, Fcl + 16MHz	20.0 dB Min.
	(Fcl + 19.2MHz) ~5GHz	25.0 dB Min.
	9KHz ~ (Fcf - 19.2MHz)	25.0 dB Min.
	Rx Band	95.0 dB Min.
Passive IM	3rd PIM	-140.0 dB Min.
	5th PIM	-160.0 dB Min.
Handling Power	Average	30.0 Watts Max.
	Peak	200.0 Watts Max.
Forward Power Measurement Accuracy	@ 51 ~ 38dBm	+/- 0.5 dBm
	@ 38 ~ 25dBm	+/- 0.8 dBm
Reverse Power Measurement Accuracy	@ 51 ~25dBm	+/- 1.0dBm

Rx Path

Front End Module PARAMETERS		Front End Module SPECIFICATION
Frequency Range		1770.0 ~ 1780.0 MHz
Gain	ANT A(B) → RxA(B) OUT 1/2/3/4	34.0 +/- 1.5dB
	ANT A(B) → RxA(B) Sample	30.0 +/- 1.5dB

	OpticA(B)-RX → RxA(B) OUT 1/2/3/4	-1.0 +- 1.5dB
	Gain Flatness	0.5dB Max
	Return Loss	20.0dB Max
Attenuation	Tx Band	95.0dBc Min.
	Noise Figure	2.2dB
	OIP3	30.0dBm
	P1dB	18.0dBm