

## Measurement of occupied bandwidth

Test method IC RSS-Gen:2007, 4.6.1

Characteristics Temperature: 23°C. Test voltage: External power supply

Test equipm. 49321 49183 49299

Uncertainty: 10 kHz

SA Settings RBW: 100 KHz VBW: 300 KHz SPAN: 4 MHz DET: Peak CF: 2402 MHz, 2441 MHz, 2480 MHz and 2404 MHz, 2440 MHz, 2478 MHz Trace: Max Hold

### Test results

Operation frequency	Measured Low frequency	Measured High frequency	Measured 99% emission bandwidth
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#### WT-32 module

2402 MHz – GFSK-DH5	2401.393 MHz	2402.626 MHz	1.233 MHz
2441 MHz - GFSK-DH5	2440.389 MHz	2441.631 MHz	1.242 MHz
2480 MHz - GFSK-DH5	2479.398 MHz	2480.637 MHz	1.239 MHz
2402 MHz - $\pi/4$ -DQPSK-2DH5	2401.244 MHz	2402.753 MHz	1.509 MHz
2441 MHz - $\pi/4$ -DQPSK-2DH5	2440.254 MHz	2441.749 MHz	1.495 MHz
2480 MHz - $\pi/4$ -DQPSK-2DH5	2479.276 MHz	2480.765 MHz	1.489 MHz
2402 MHz – 8DQPSK-3DH5	2401.242 MHz	2402.745 MHz	1.503 MHz
2441 MHz - 8DQPSK-3DH5	2440.261 MHz	2441.757 MHz	1.496 MHz
2480 MHz - 8DQPSK-3DH5	2479.284 MHz	2480.762 MHz	1.478 MHz

#### GN Radio

2404 MHz – GFSK	2402.432 MHz	2405.342 MHz	2.910 MHz
2440 MHz – GFSK	2438.594 MHz	2441.395 MHz	2.801 MHz
2478 MHz – GFSK	2476.384 MHz	2479.437 MHz	3.053 MHz

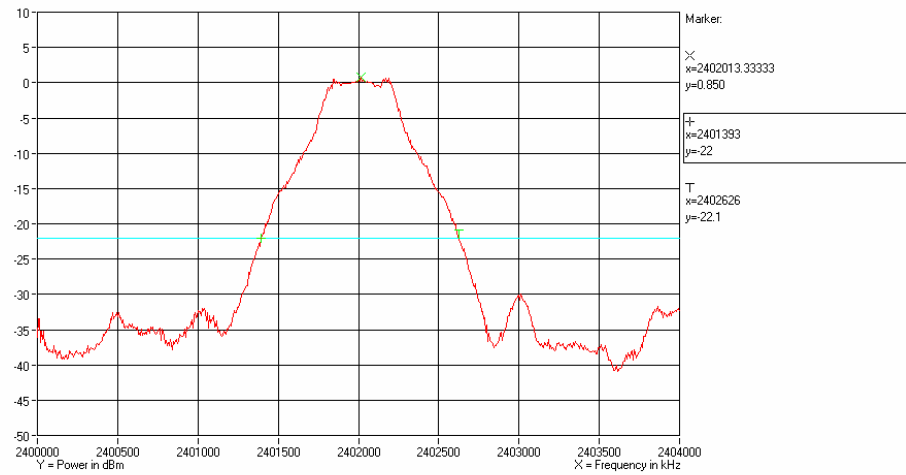
Note 1:

Band edge criteria 99 % emission bandwidth

Test Port Conducted

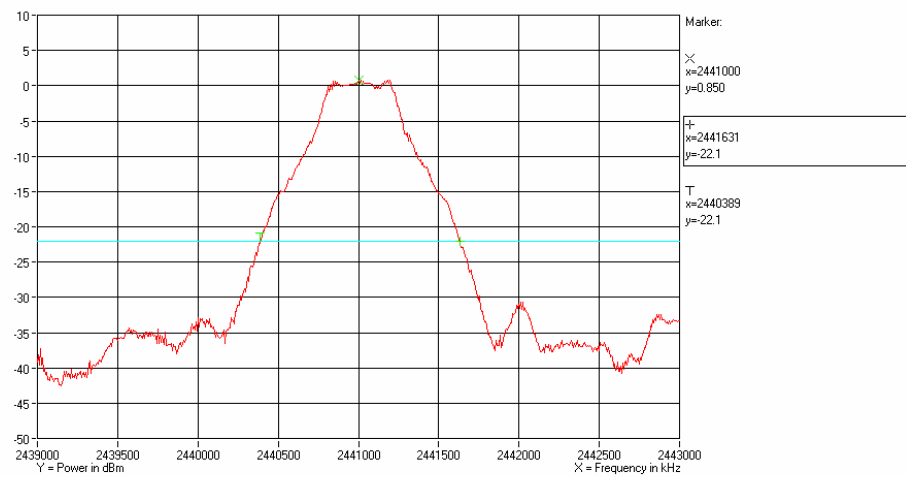
Test mode Continuous Tx - normal modulation - hopping on

Comments BTB-1



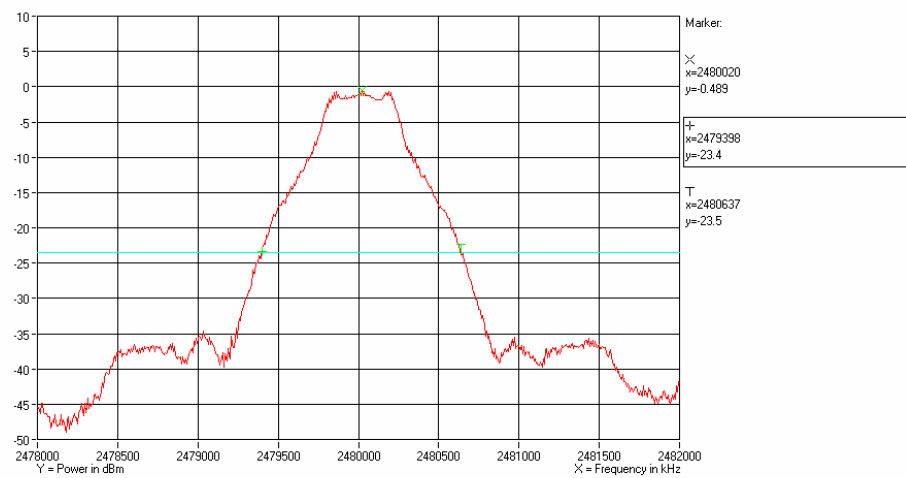
Comments

2402 MHz – GFSK-DH5



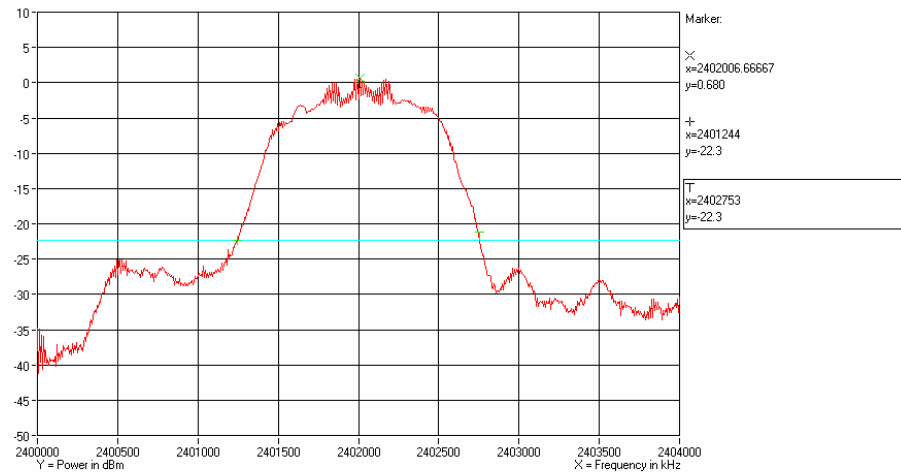
Comments

2441 MHz – GFSK-DH5



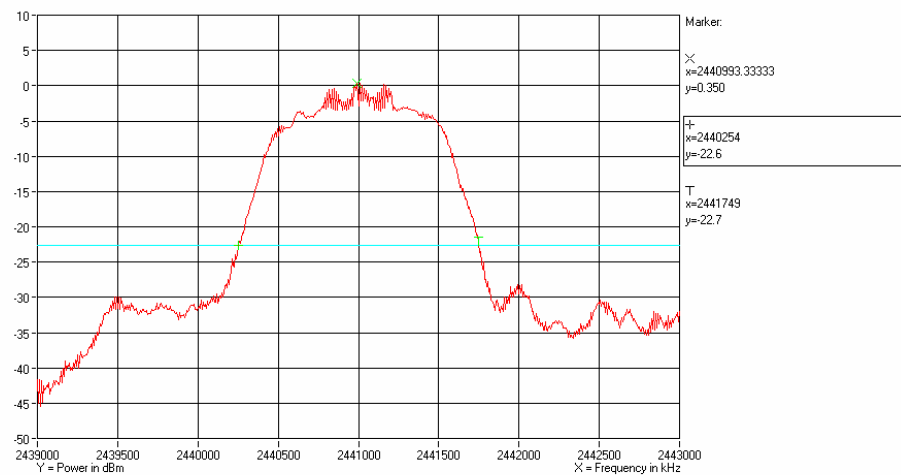
Comments

2480 MHz – GFSK-DH5



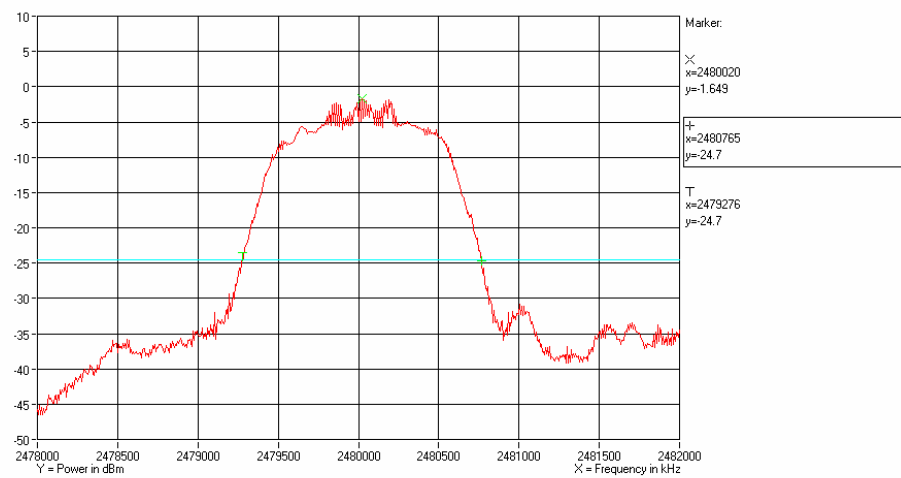
Comments

2402 MHz –  $\pi/4$ -DQPSK-2DH5



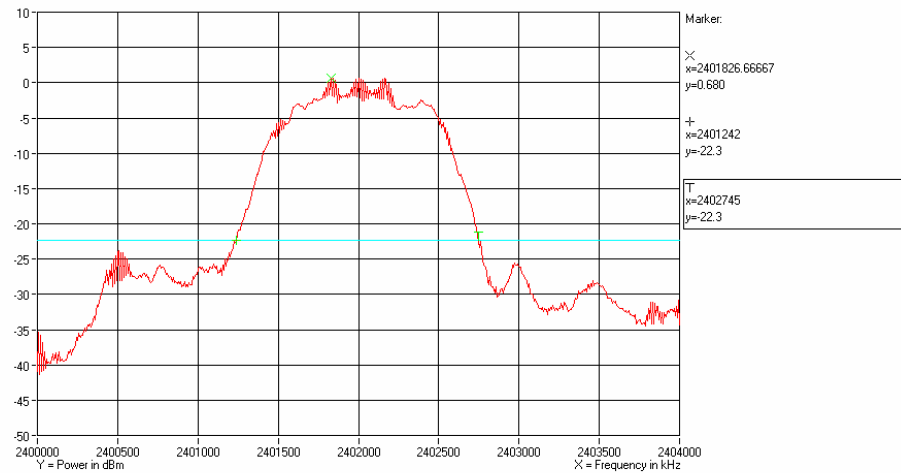
Comments

2441 MHz –  $\pi/4$ -DQPSK-2DH5



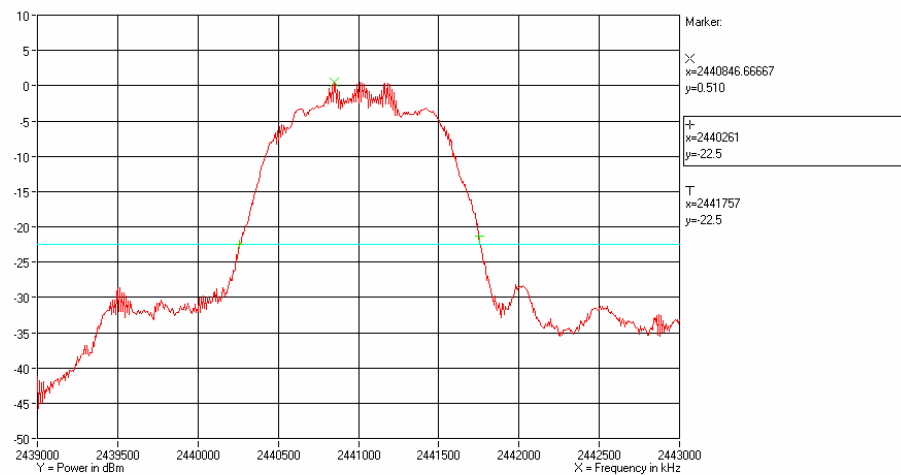
Comments

2480 MHz –  $\pi/4$ -DQPSK-2DH5



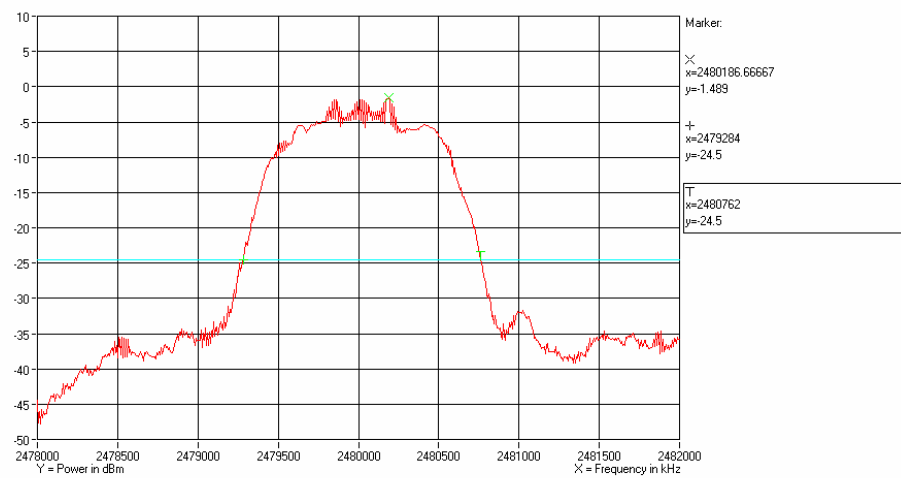
Comments

2402 MHz – 8DPSK-3DH5



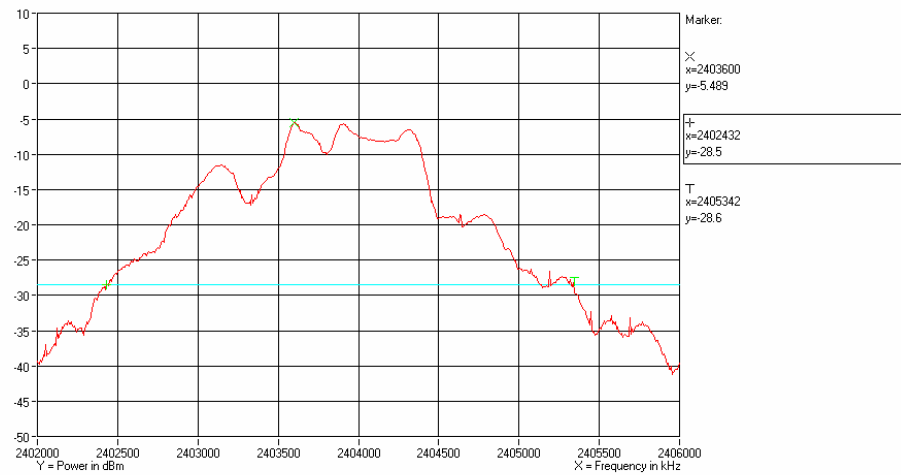
Comments

2441 MHz – 8DPSK-3DH5



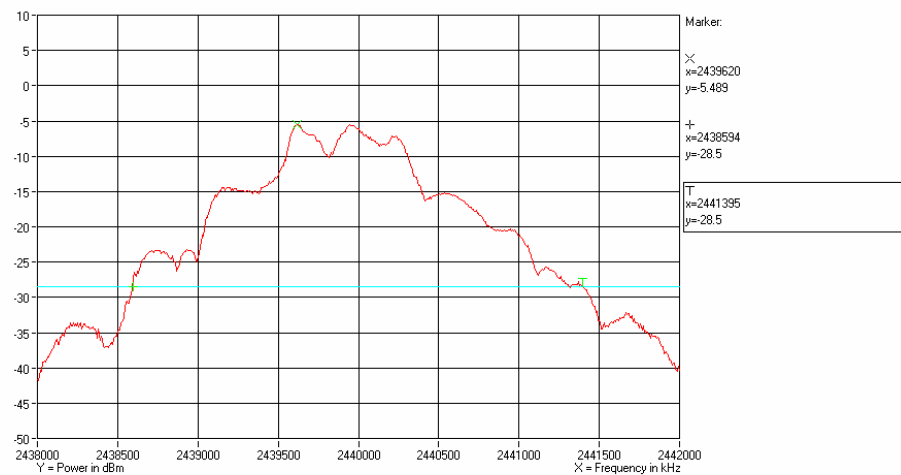
Comments

2480 MHz – 8DPSK-3DH5



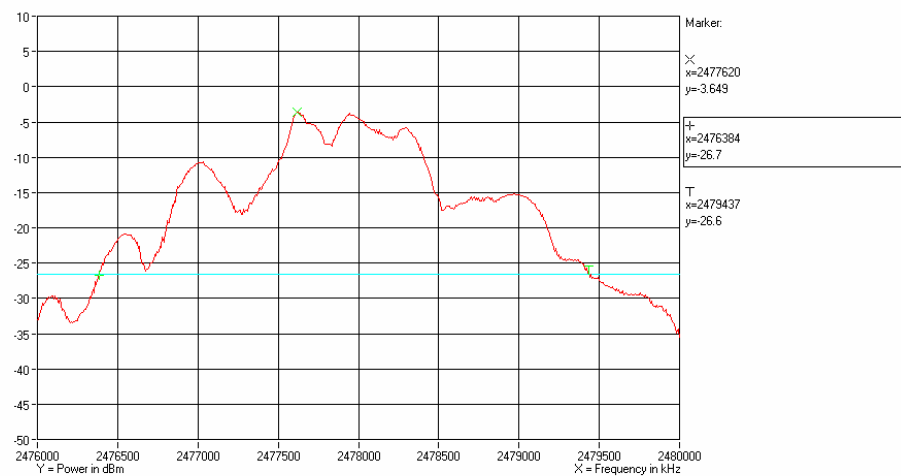
Comments

2404 MHz – GFSK – GN Radio



Comments

2440 MHz – GFSK – GN Radio



Comments

2478 MHz – GFSK – GN Radio