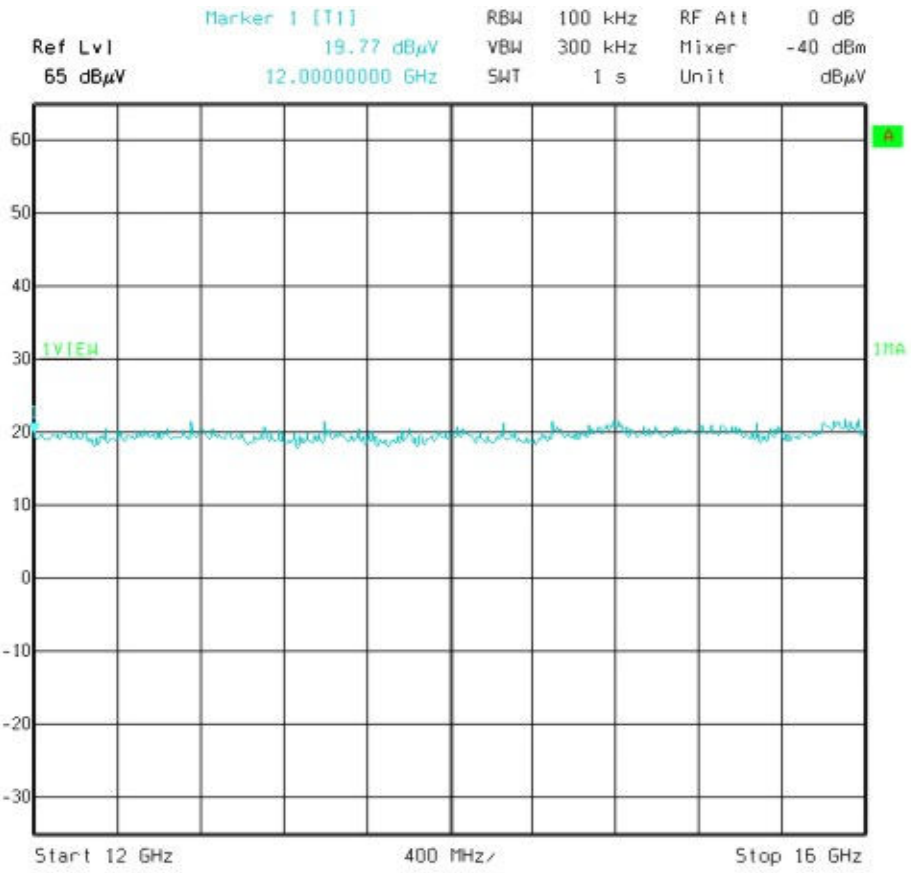
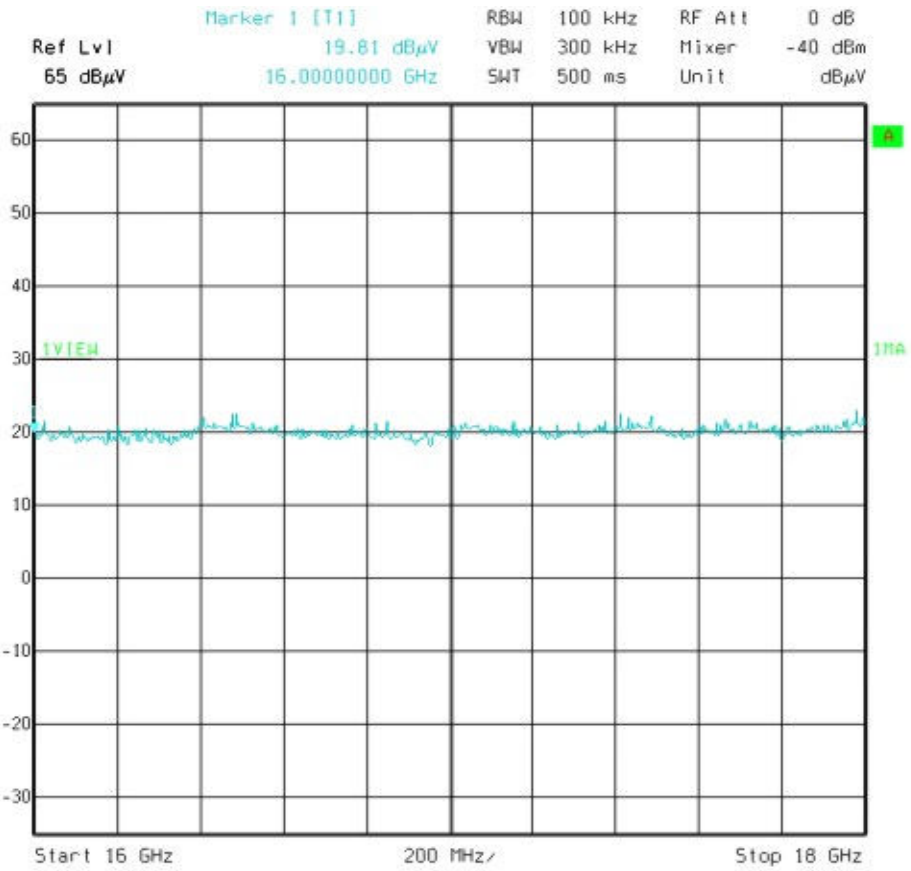
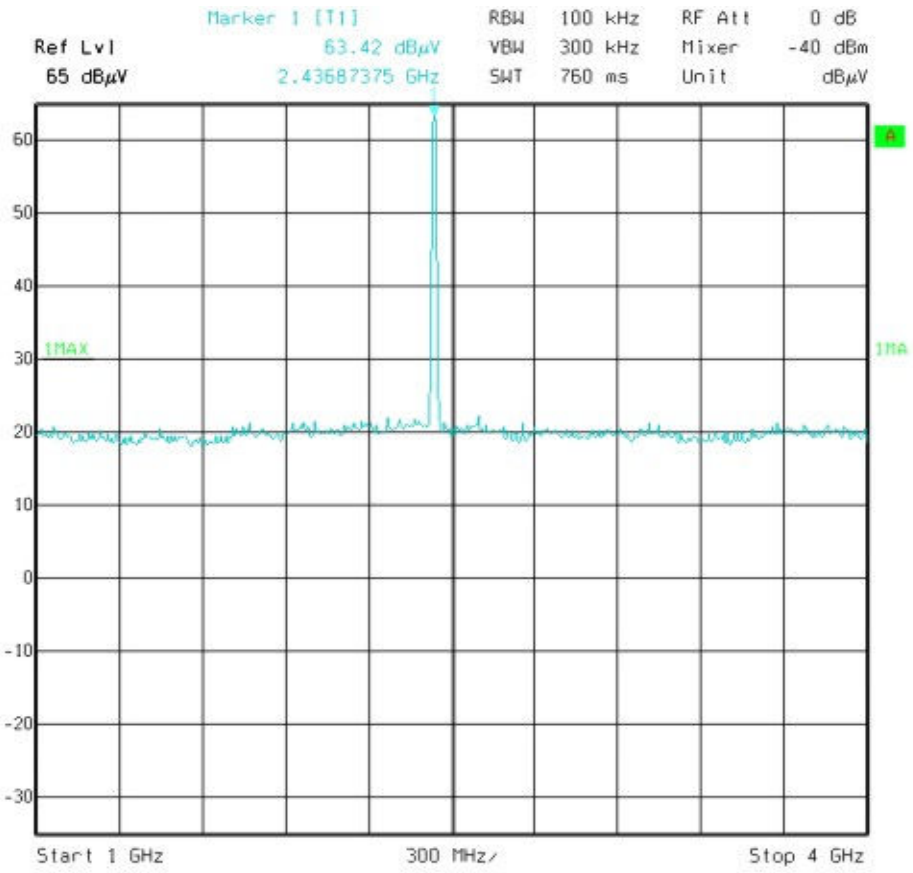
Transceiver B – Channel 6 Horizontal Polarisation



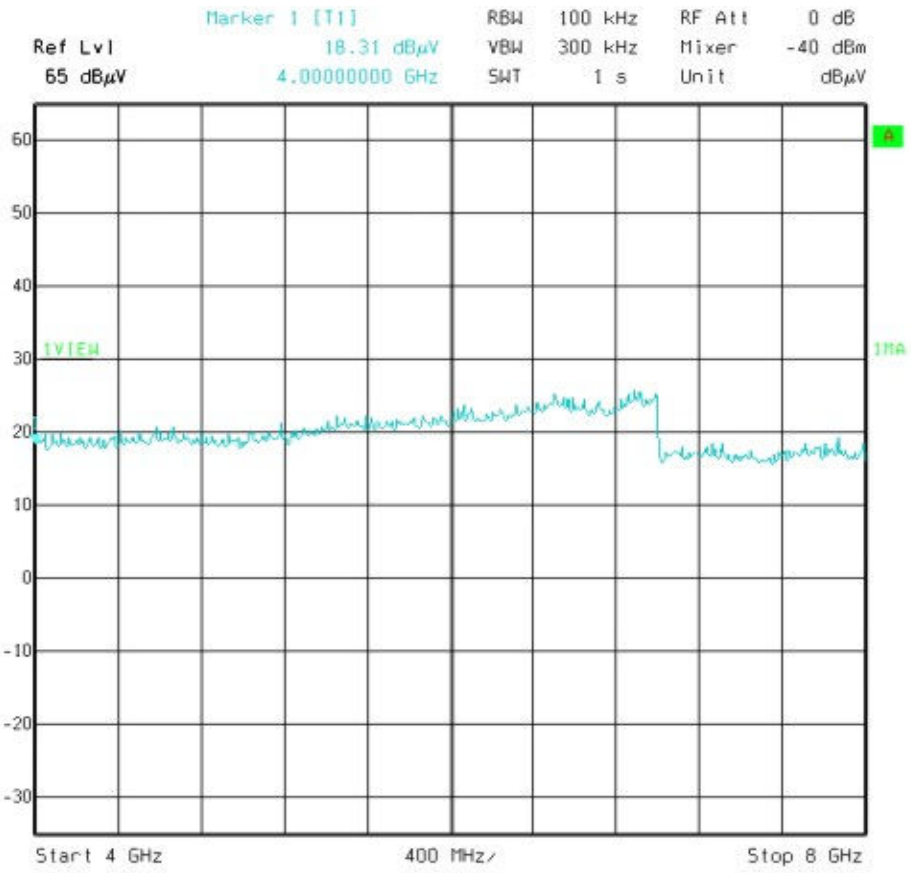
Transceiver B – Channel 6 Horizontal Polarisation



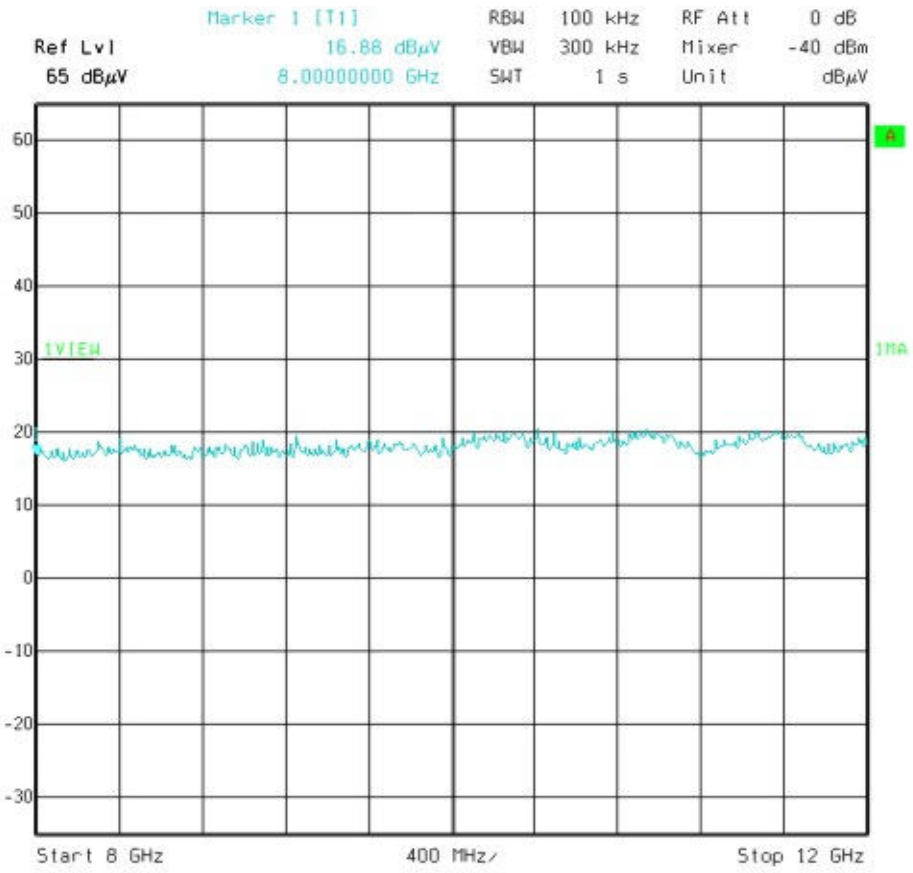
Transceiver B – Channel 6 Vertical Polarisation



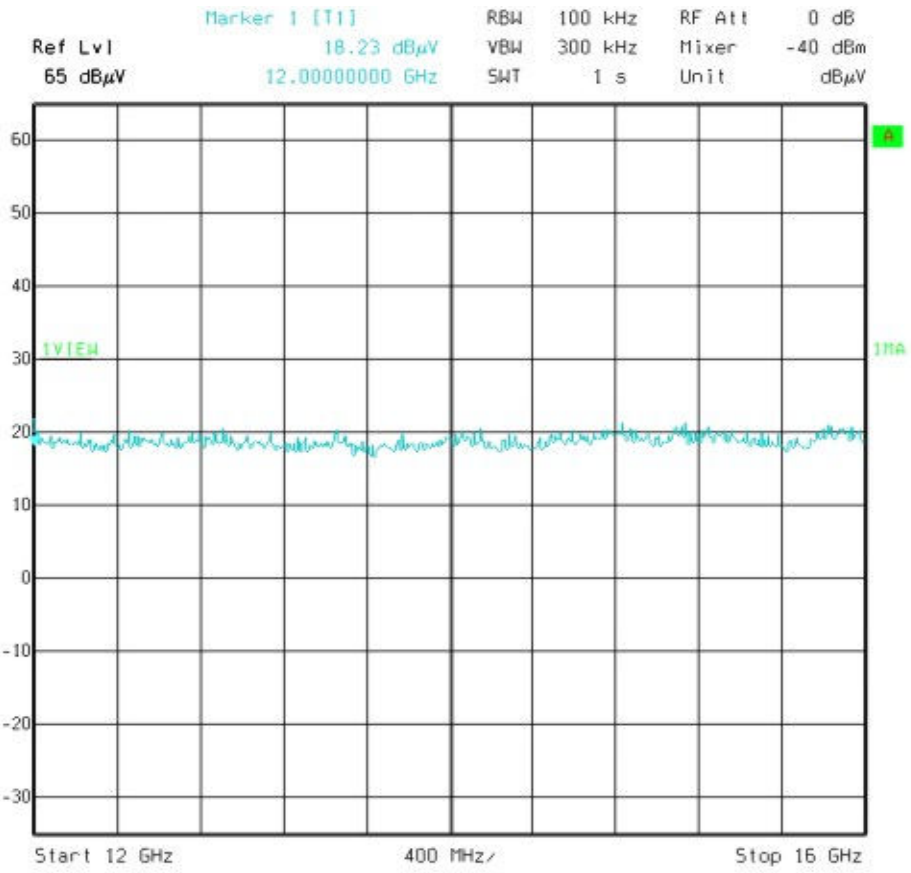
Transceiver B – Channel 6 Vertical Polarisation



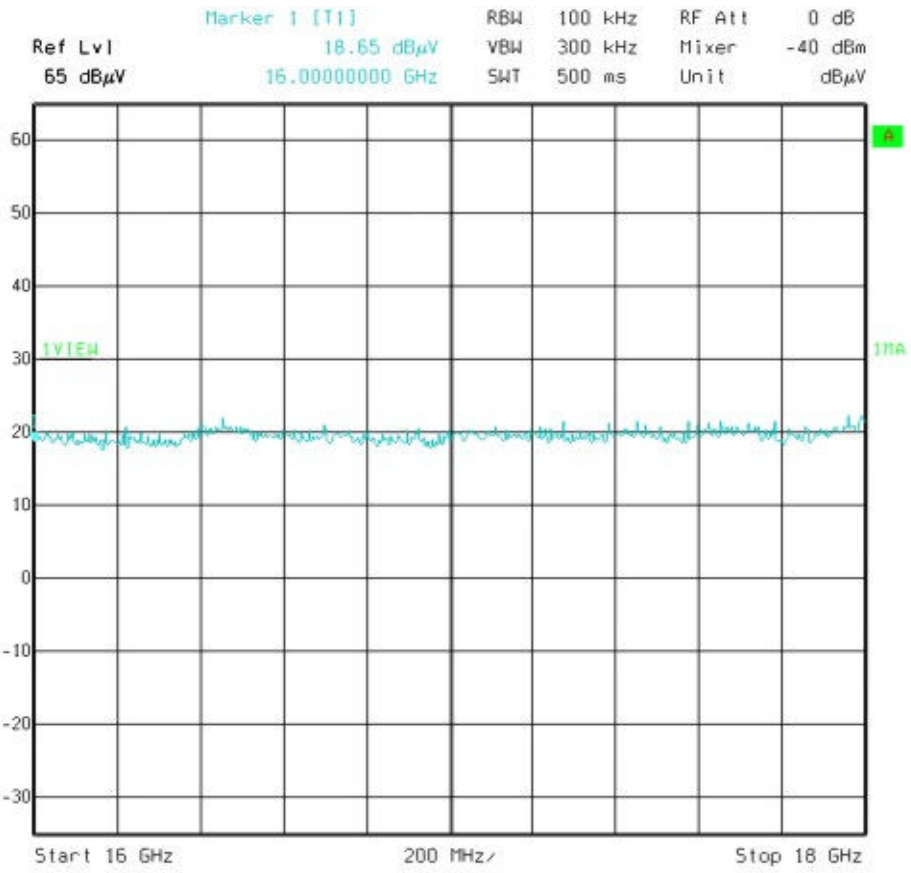
Transceiver B – Channel 6 Vertical Polarisation



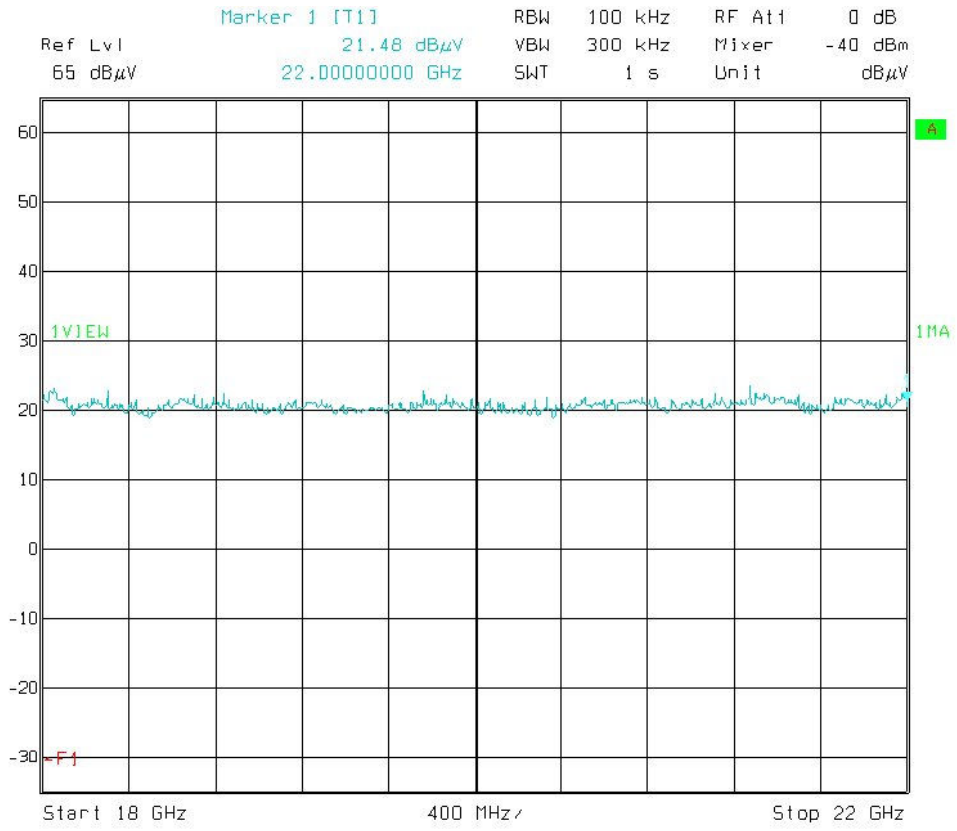
Transceiver B – Channel 6 Vertical Polarisation



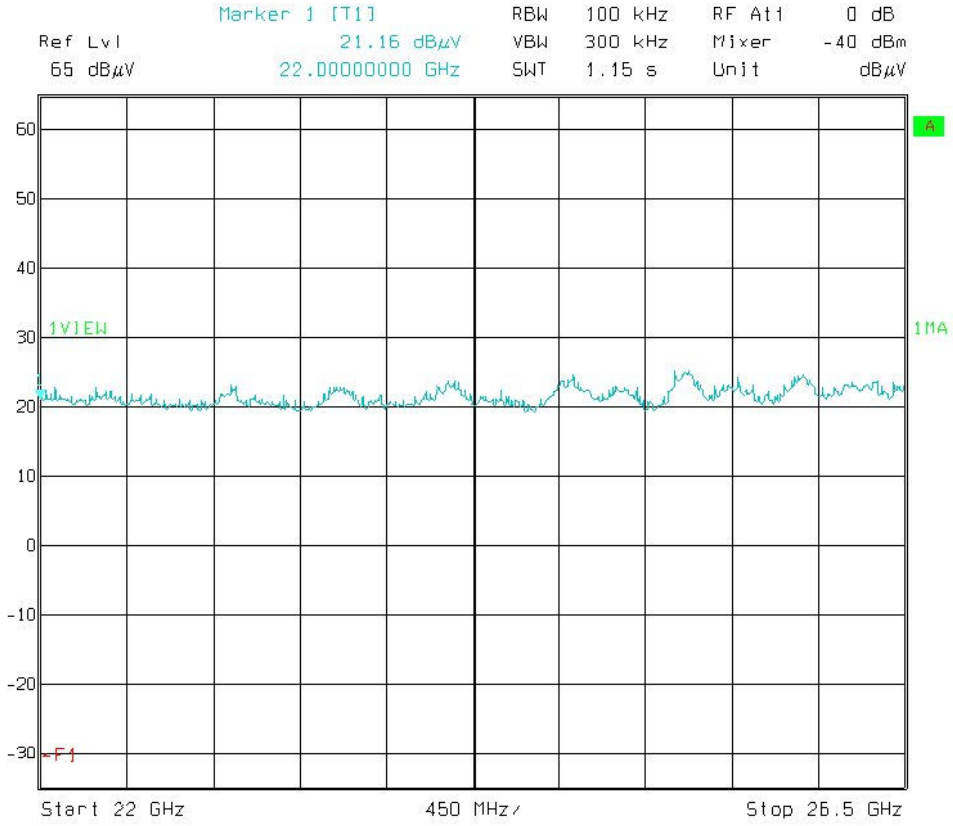
Transceiver B – Channel 6 Vertical Polarisation



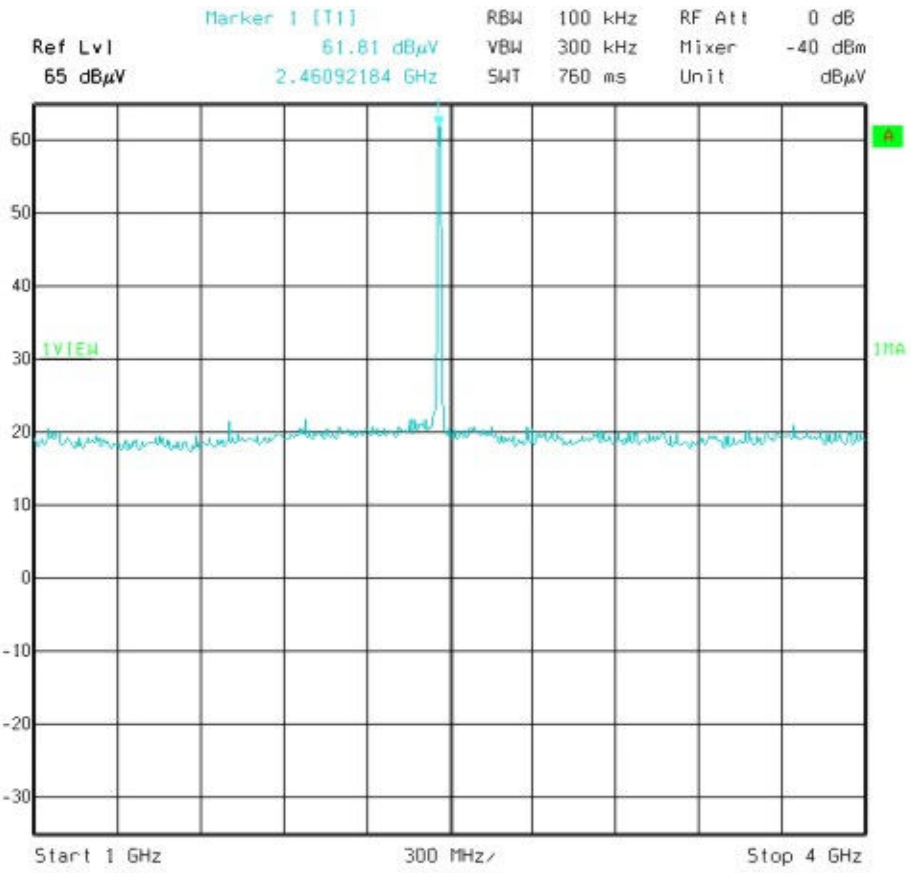
Transceiver B – Channel 6 Horizontal & Vertical Polarisation



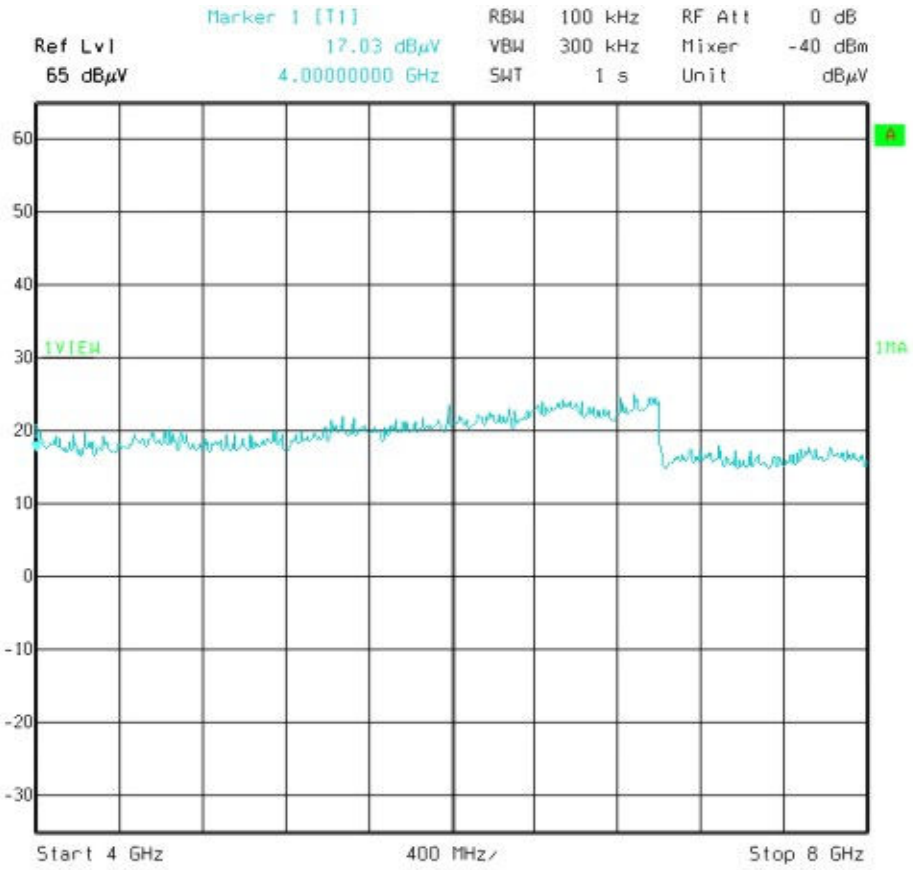
Transceiver B – Channel 6 Horizontal & Vertical Polarisation



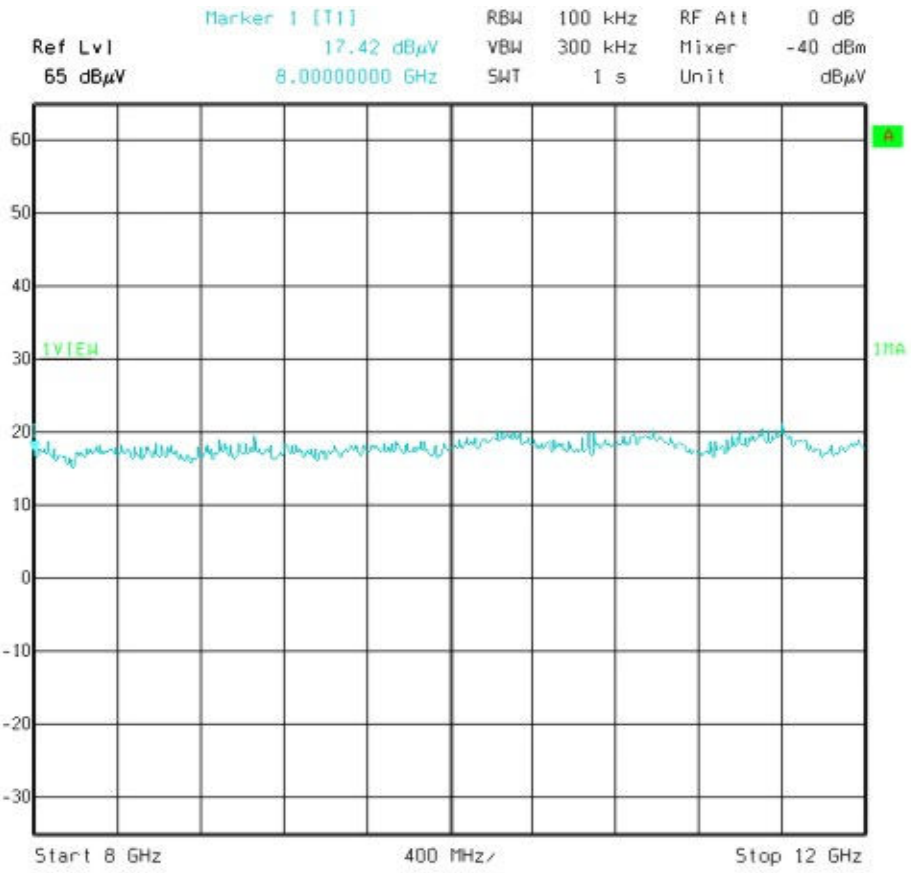
Transceiver B – Channel 11 Horizontal Polarisation



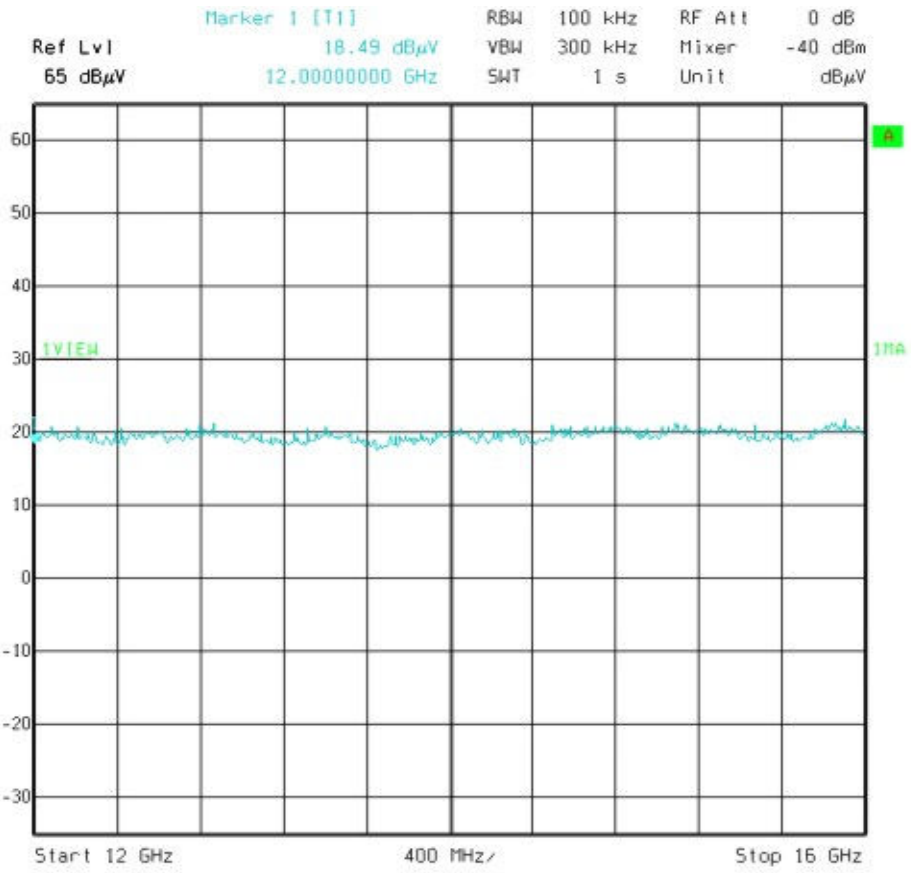
Transceiver B – Channel 11 Horizontal Polarisation



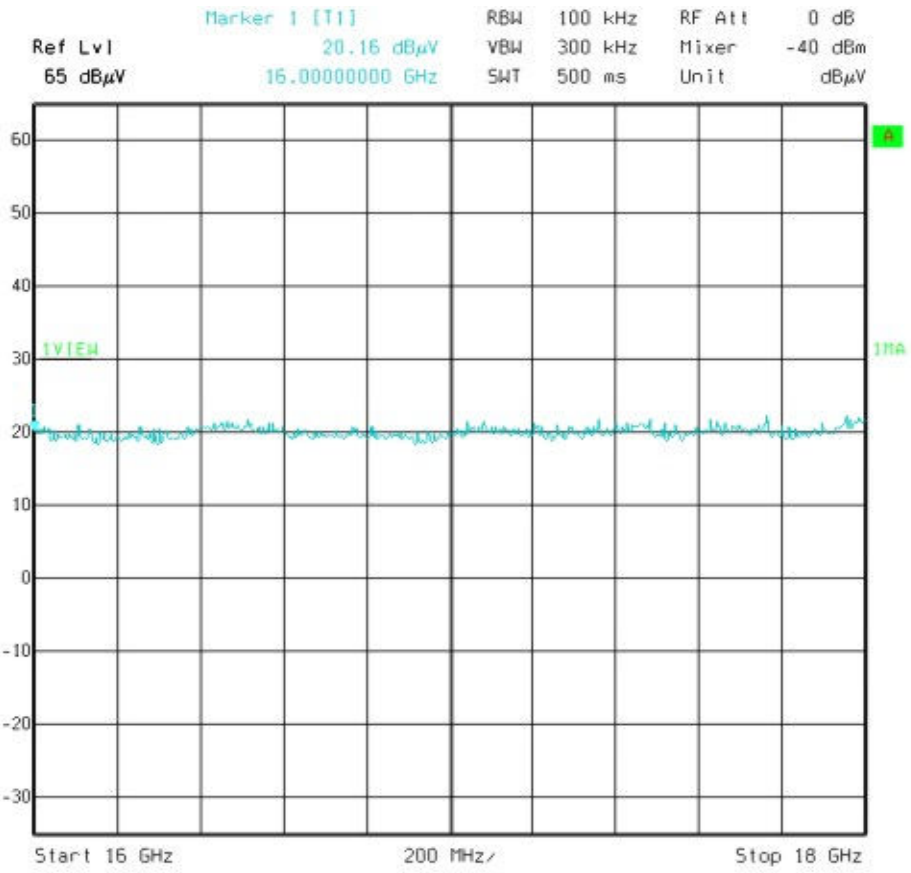
Transceiver B – Channel 11 Horizontal Polarisation



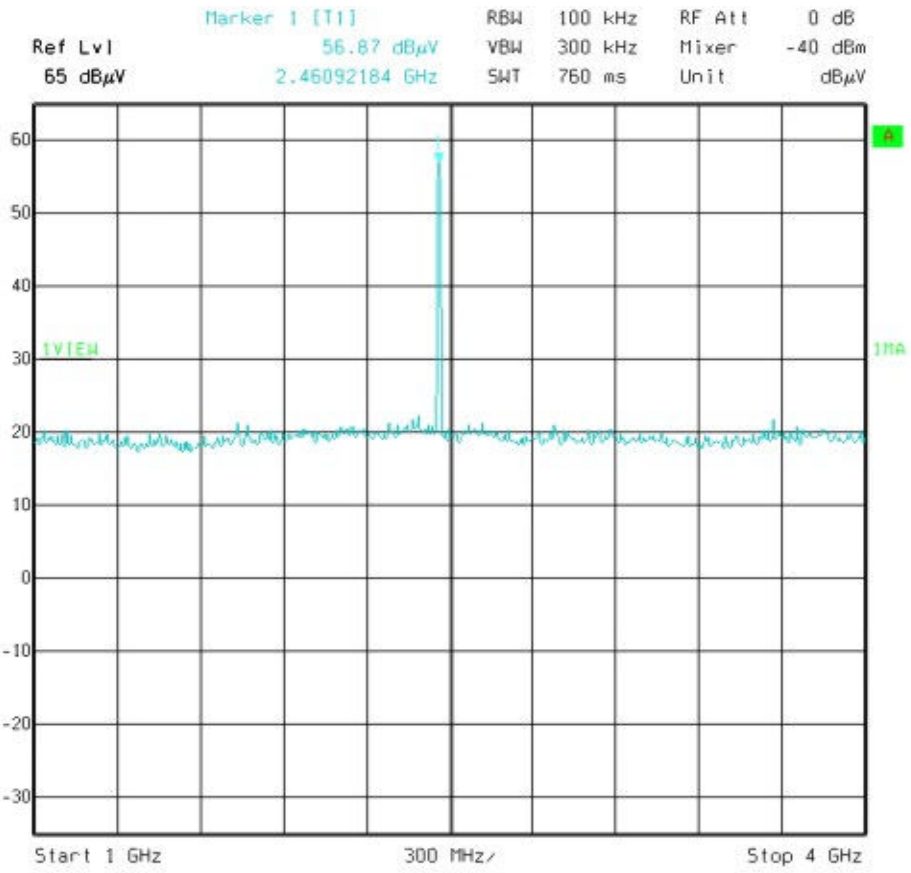
Transceiver B – Channel 11 Horizontal Polarisation



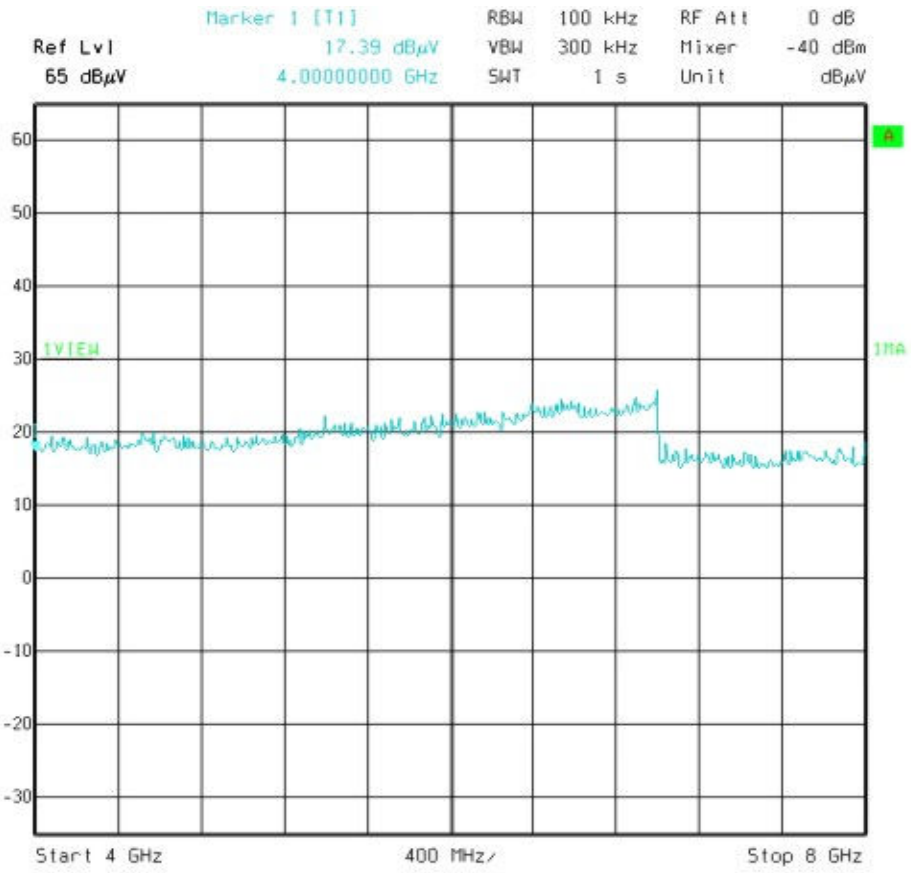
Transceiver B – Channel 11 Horizontal Polarisation



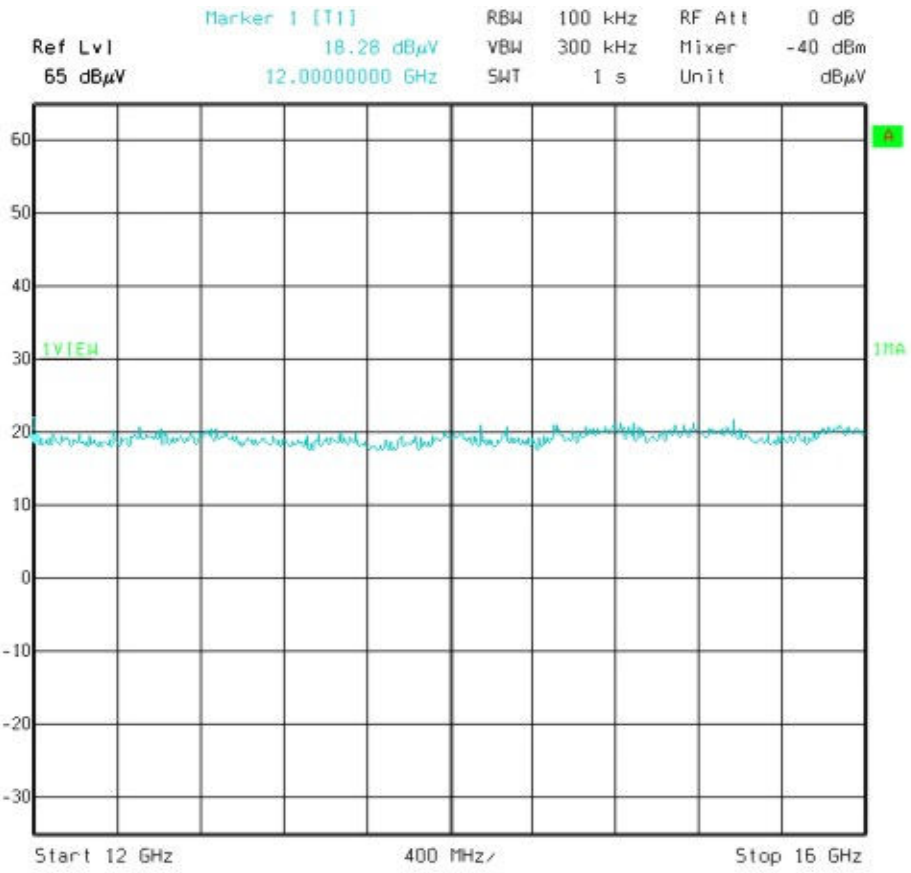
Transceiver B – Channel 11 Vertical Polarisation



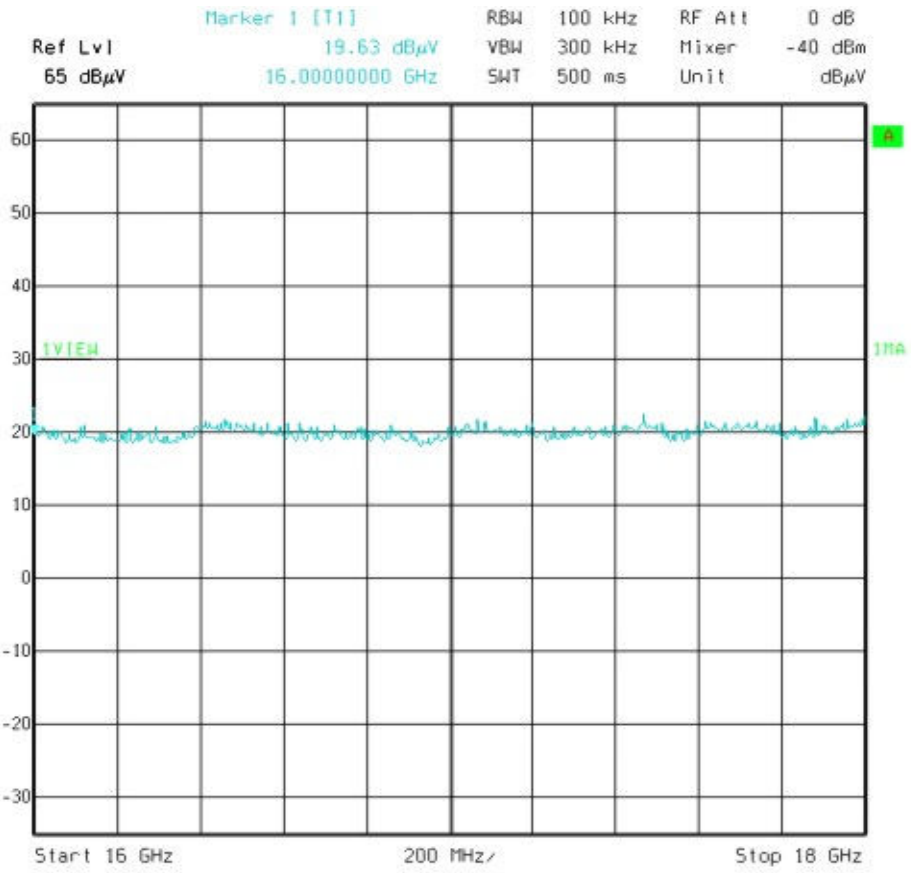
Transceiver B – Channel 11 Vertical Polarisation



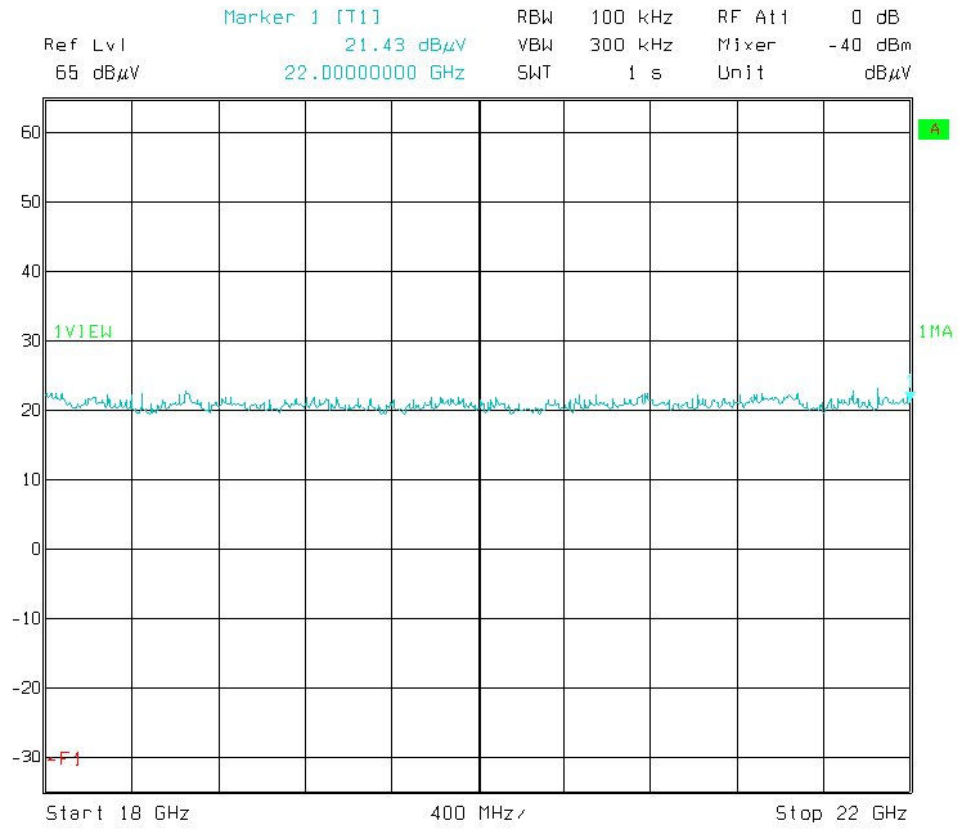
Transceiver B – Channel 11 Vertical Polarisation



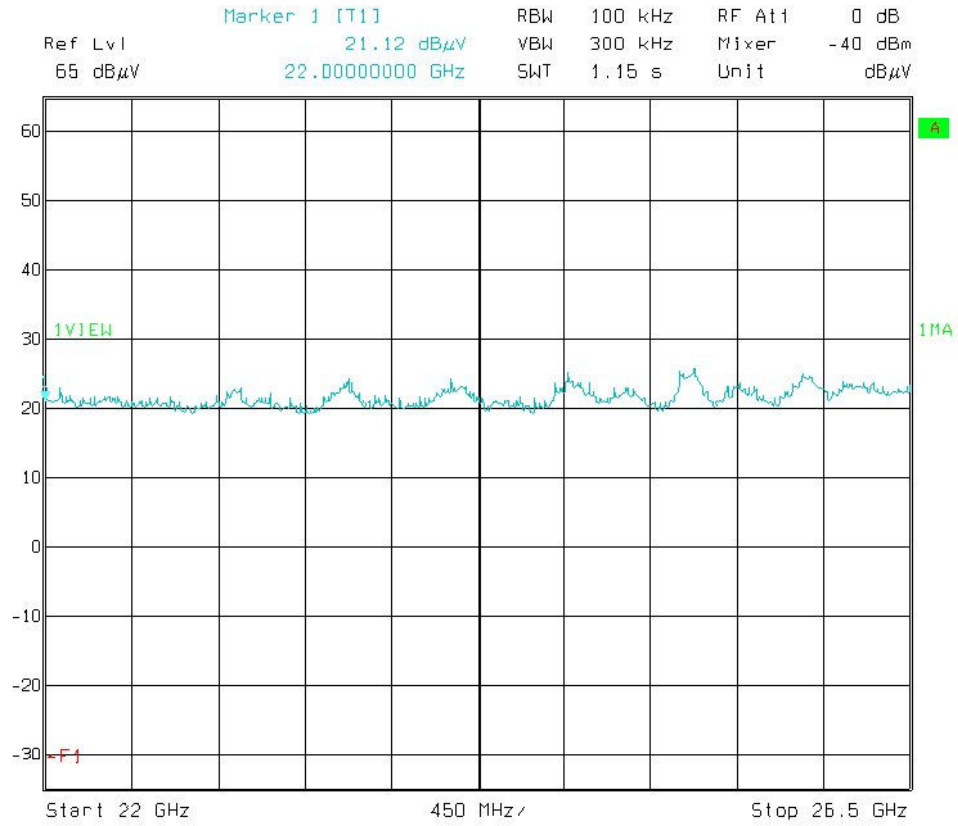
Transceiver B – Channel 11 Vertical Polarisation



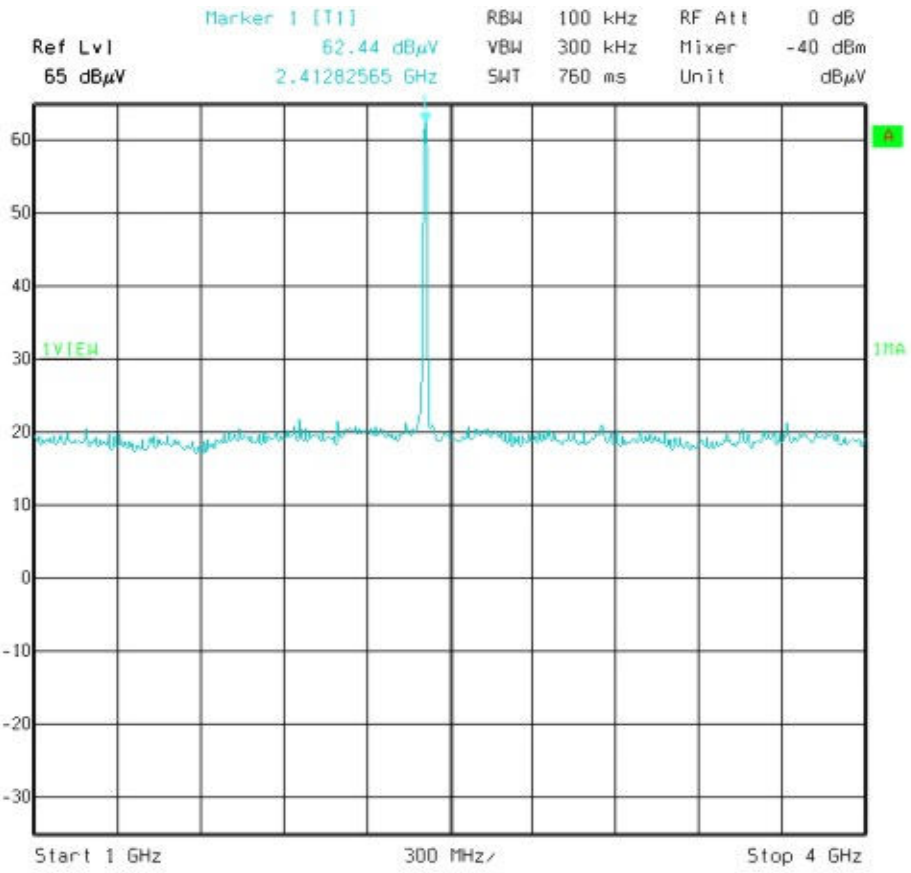
Transceiver B – Channel 11 Horizontal & Vertical Polarisation



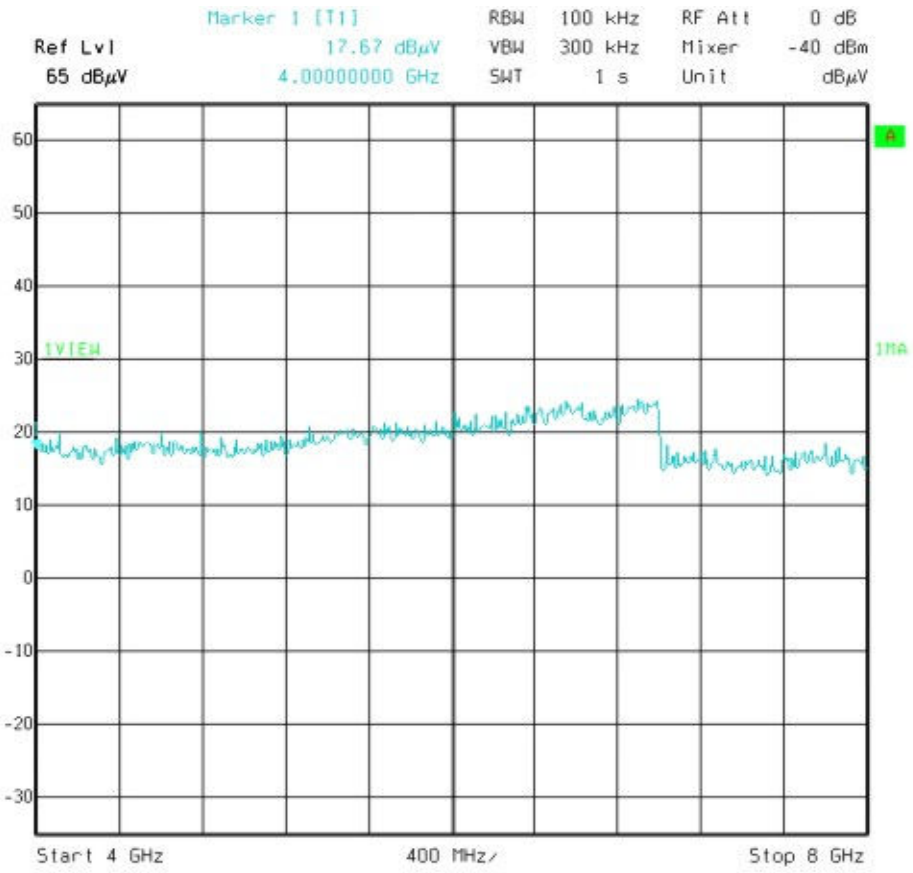
Transceiver B – Channel 11 Horizontal & Vertical Polarisation



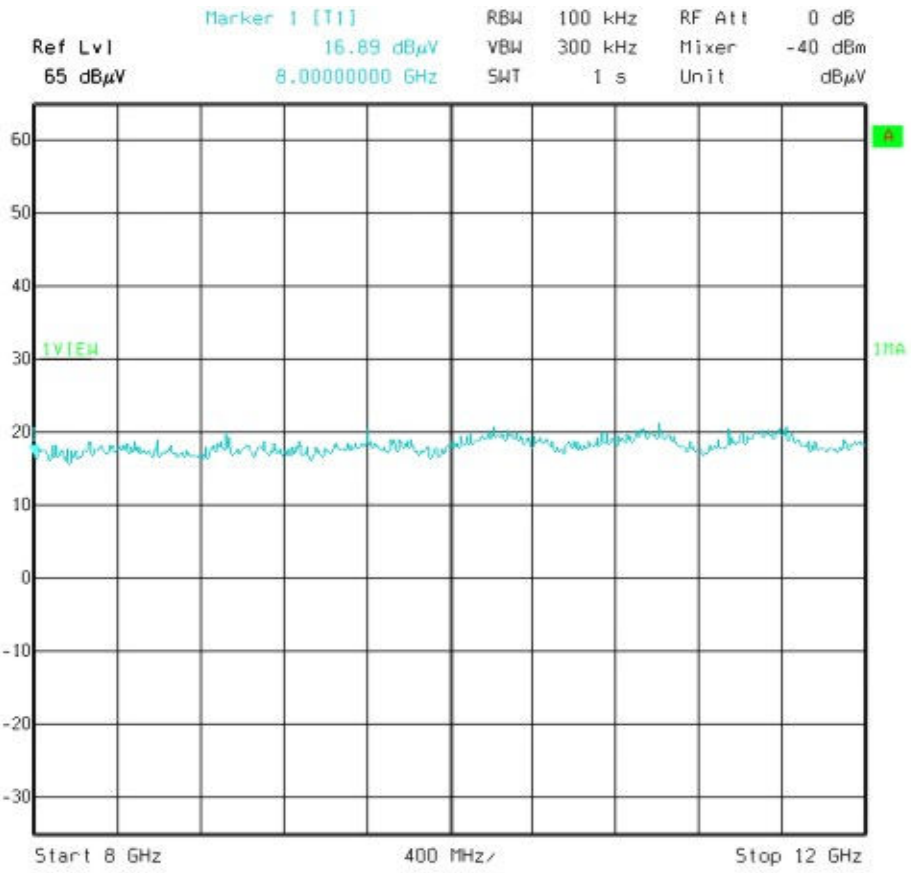
Transceiver C – Channel 1 Horizontal Polarisation



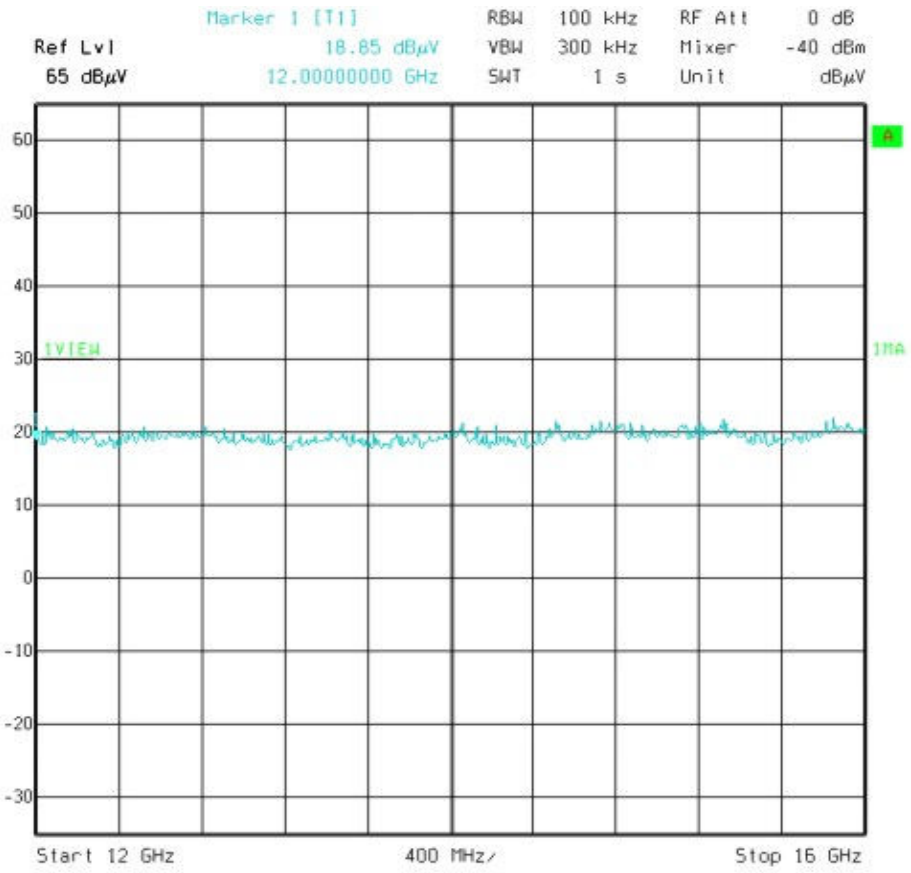
Transceiver C – Channel 1 Horizontal Polarisation



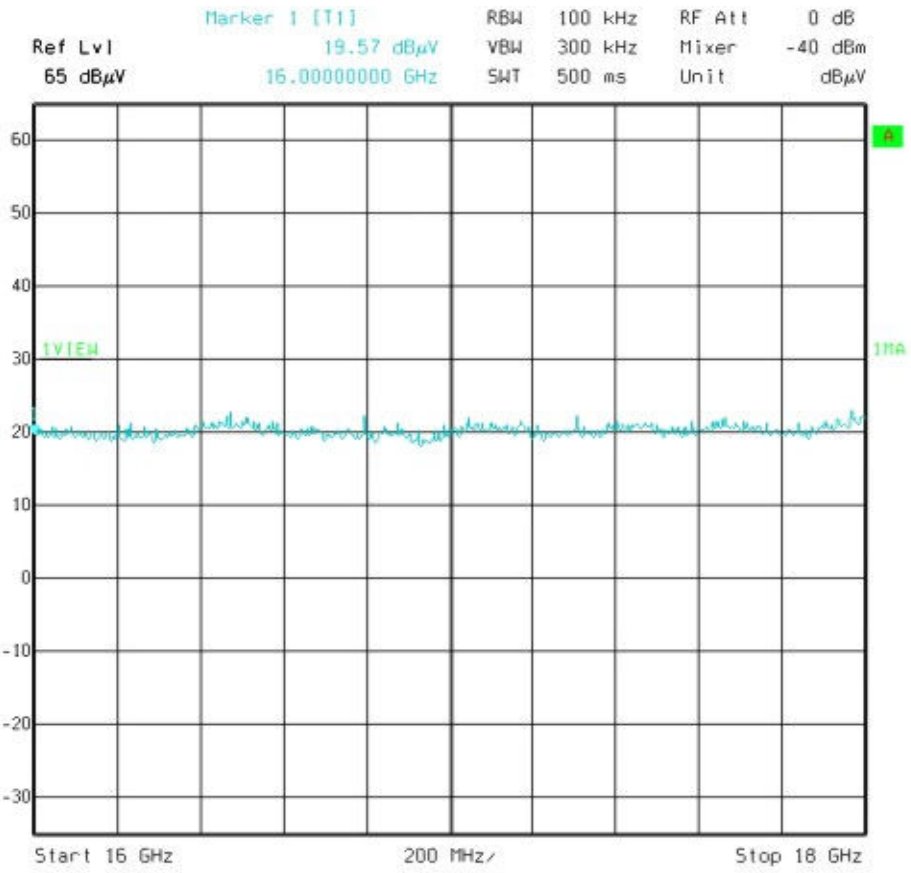
Transceiver C – Channel 1 Horizontal Polarisation



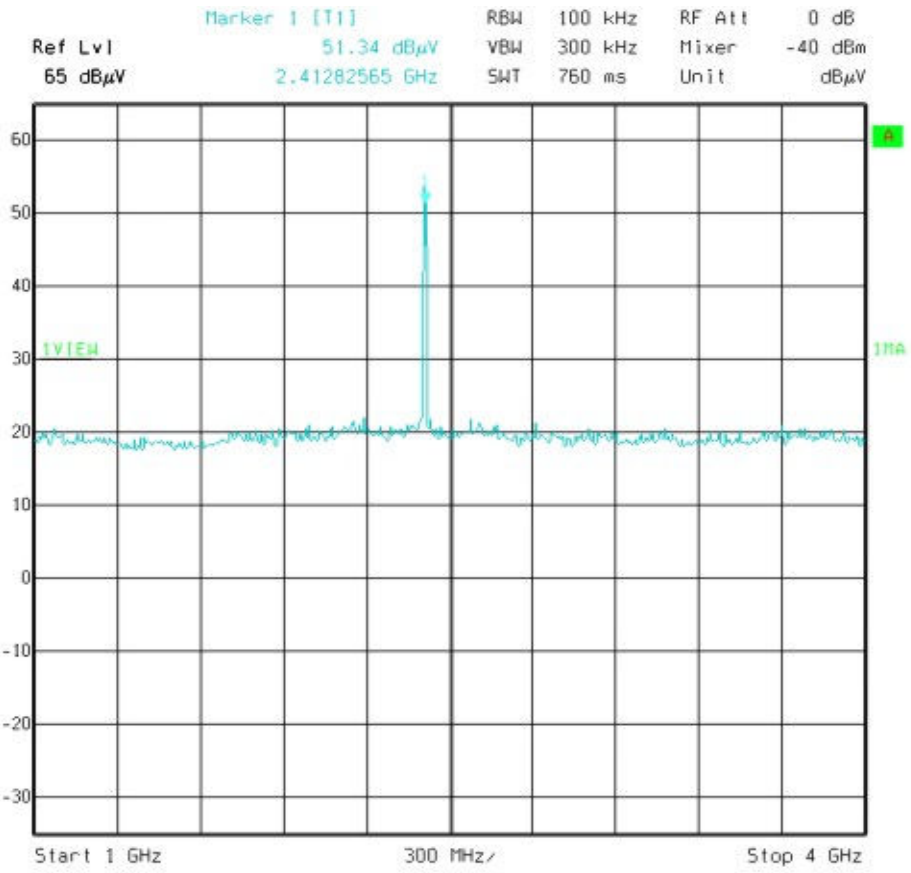
Transceiver C – Channel 1 Horizontal Polarisation



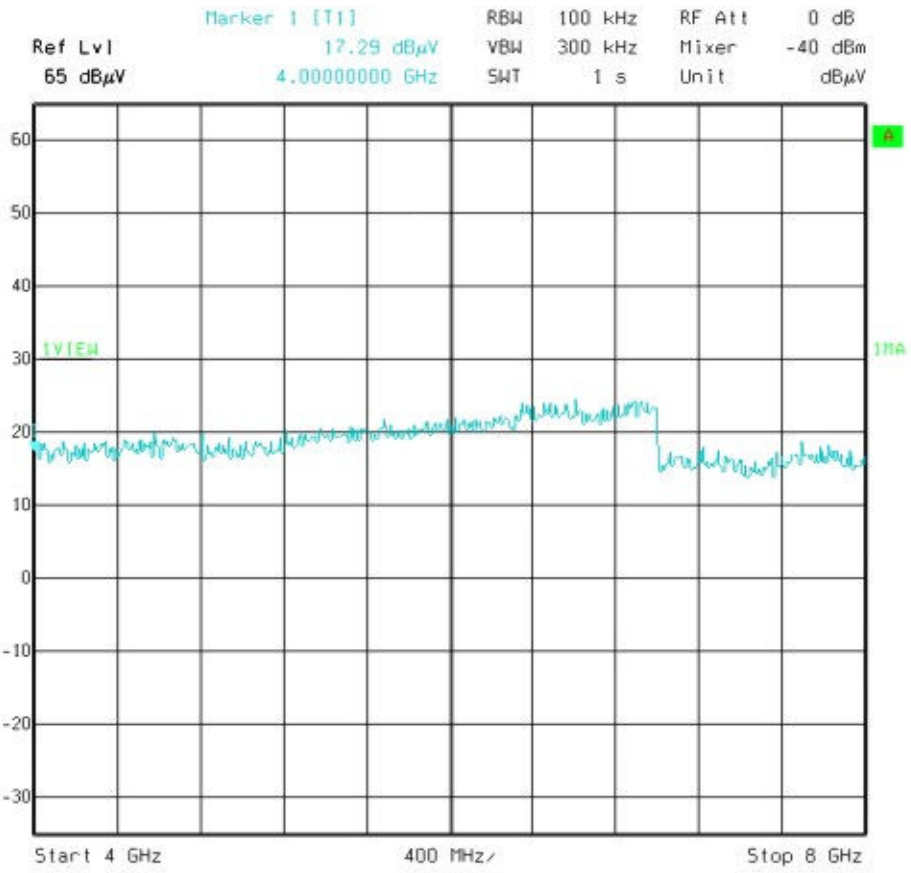
Transceiver C – Channel 1 Horizontal Polarisation



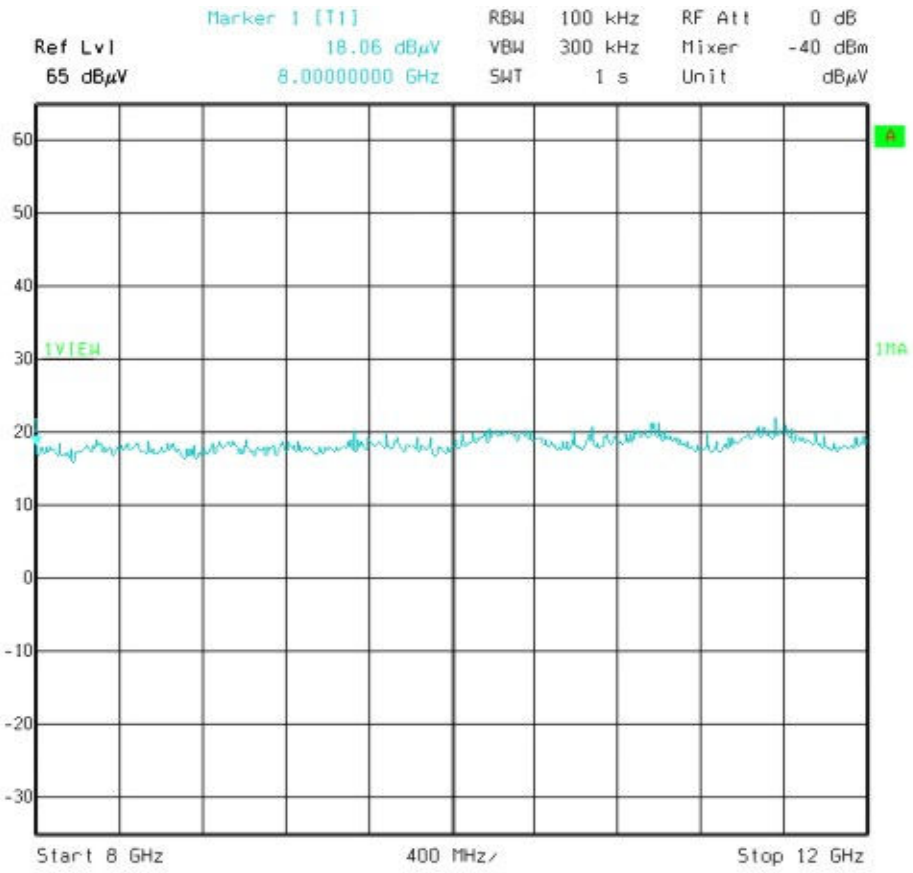
Transceiver C – Channel 1 Vertical Polarisation



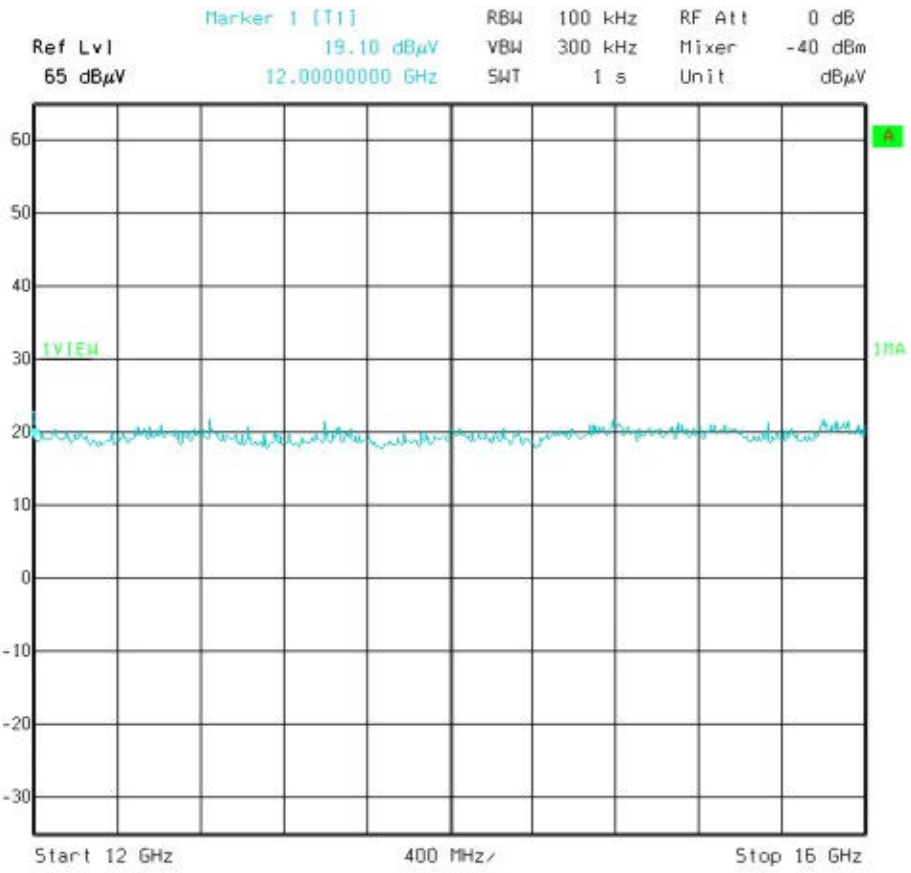
Transceiver C – Channel 1 Vertical Polarisation



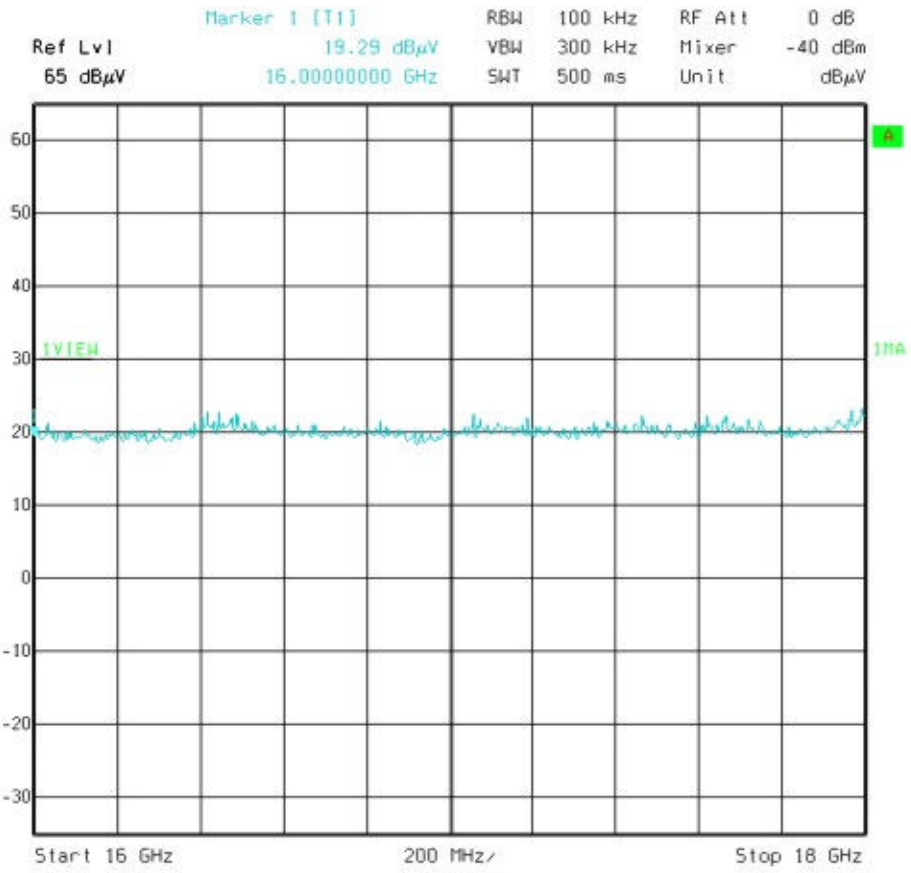
Transceiver C – Channel 1 Vertical Polarisation



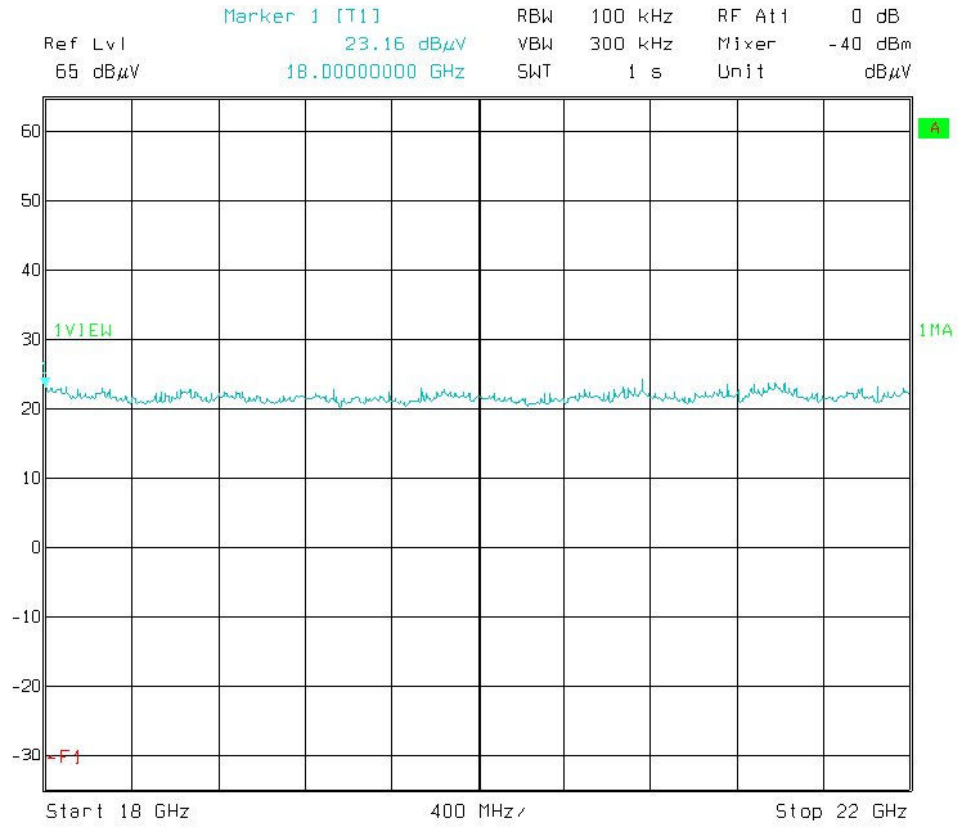
Transceiver C – Channel 1 Vertical Polarisation



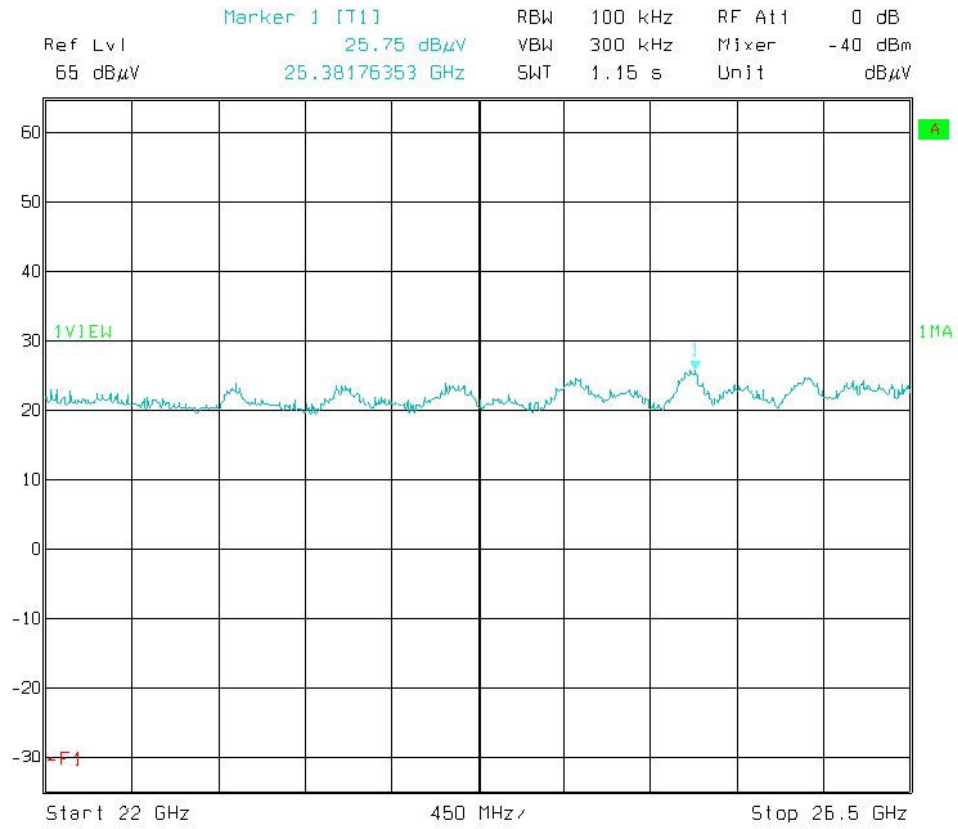
Transceiver C – Channel 1 Vertical Polarisation



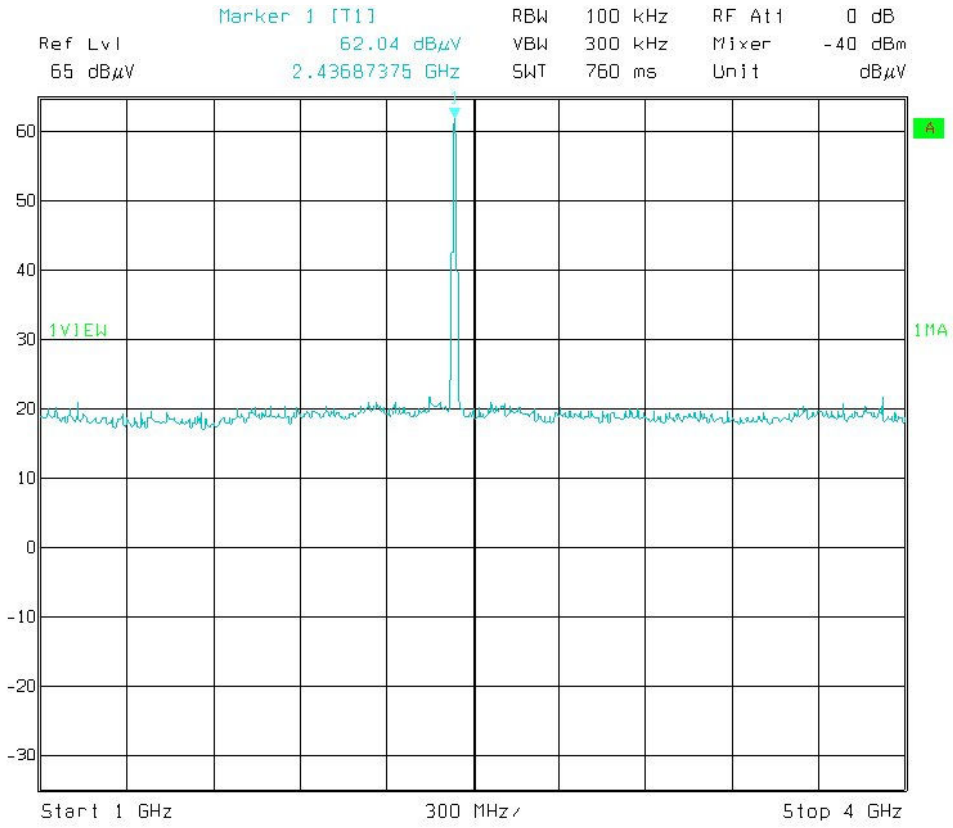
Transceiver C – Channel 1 Horizontal & Vertical Polarisation



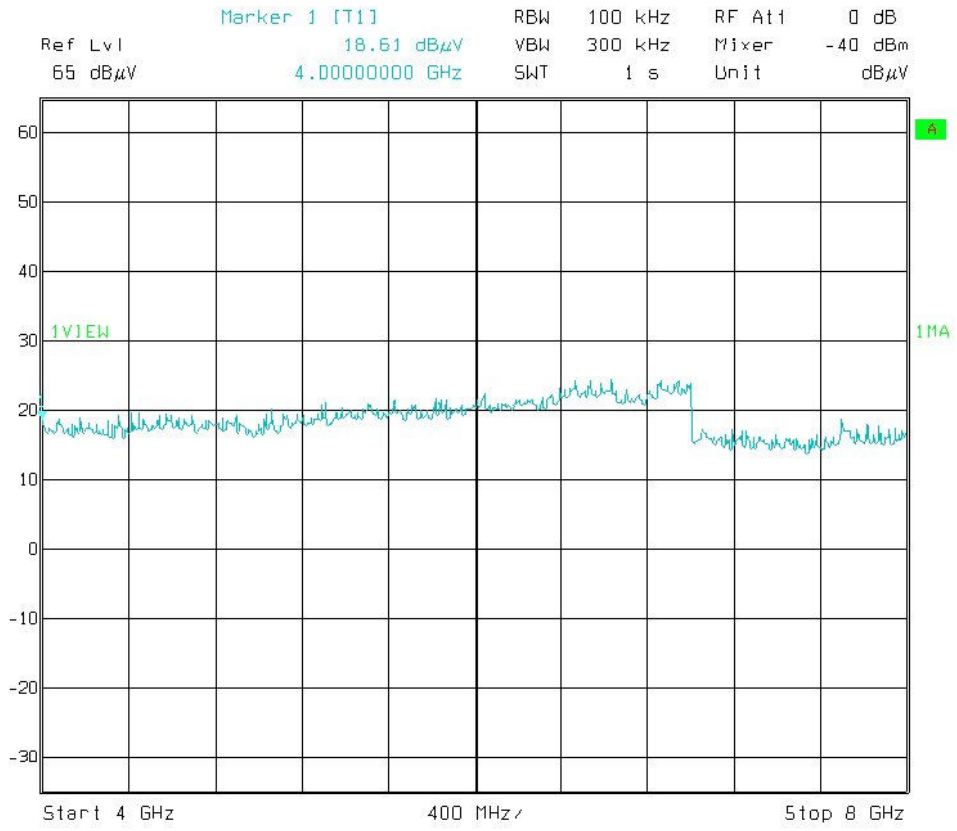
Transceiver C – Channel 1 Horizontal & Vertical Polarisation



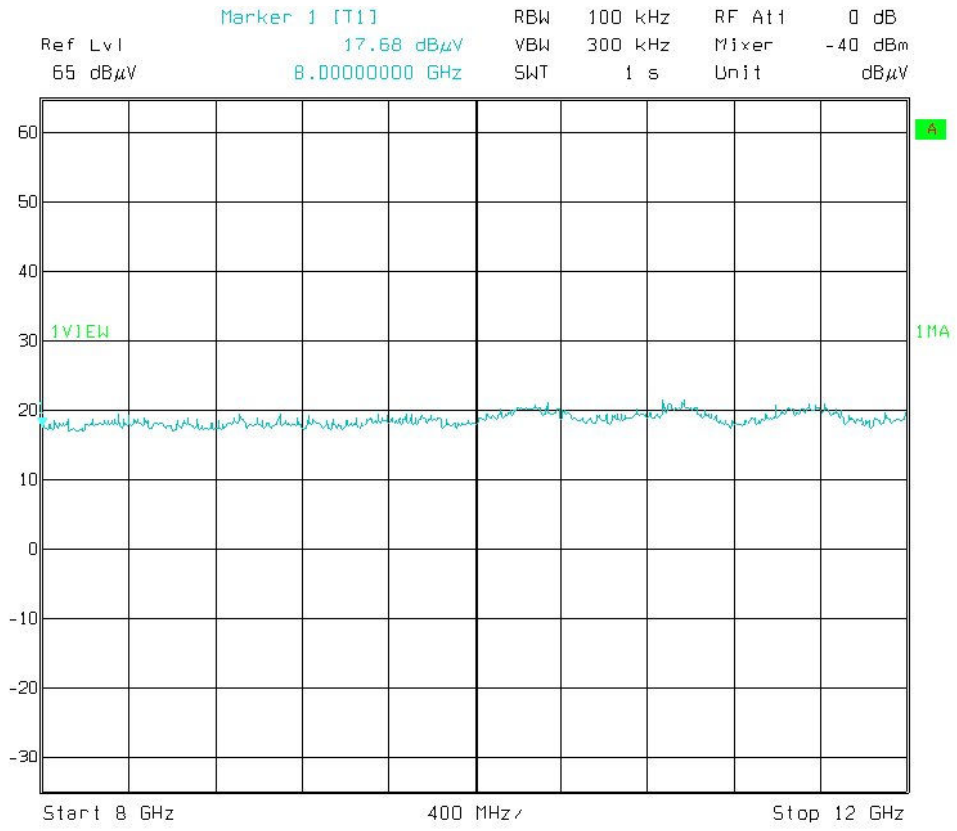
Transceiver C – Channel 6 Horizontal Polarisation



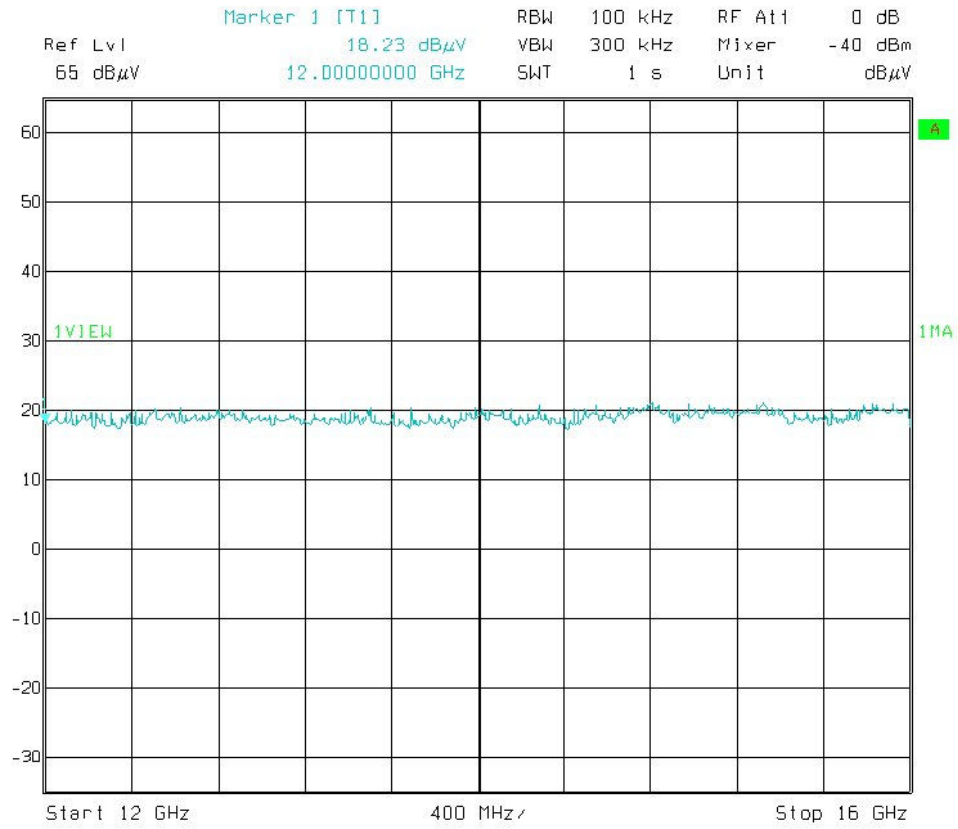
Transceiver C – Channel 6 Horizontal Polarisation



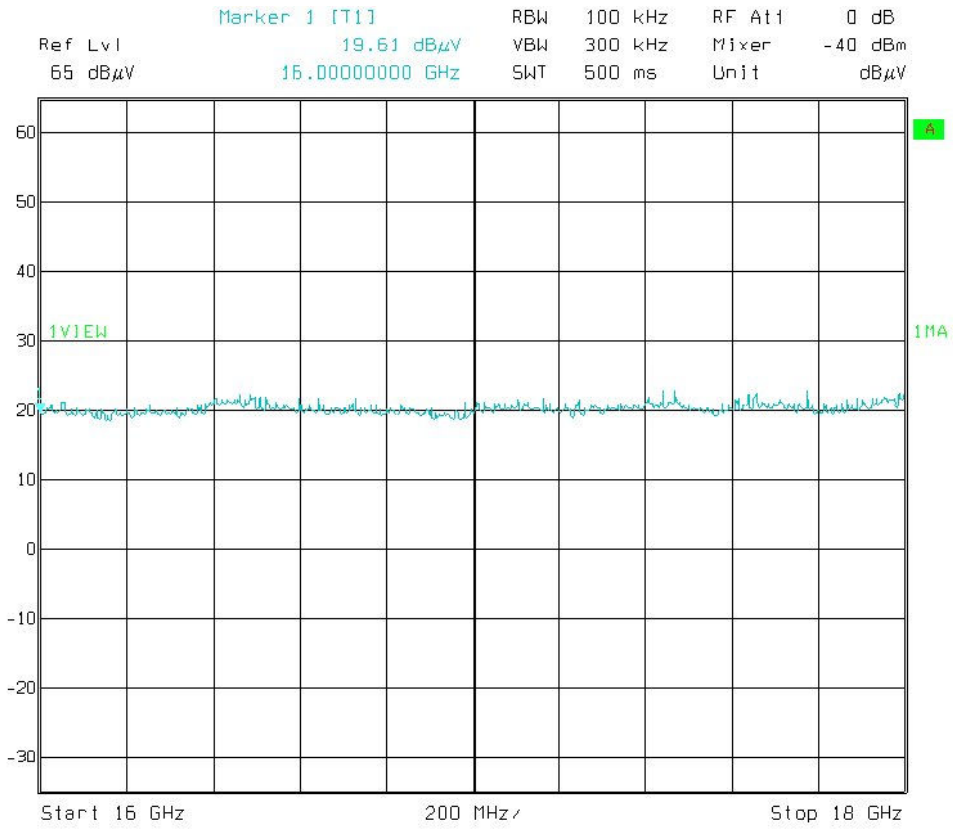
Transceiver C – Channel 6 Horizontal Polarisation



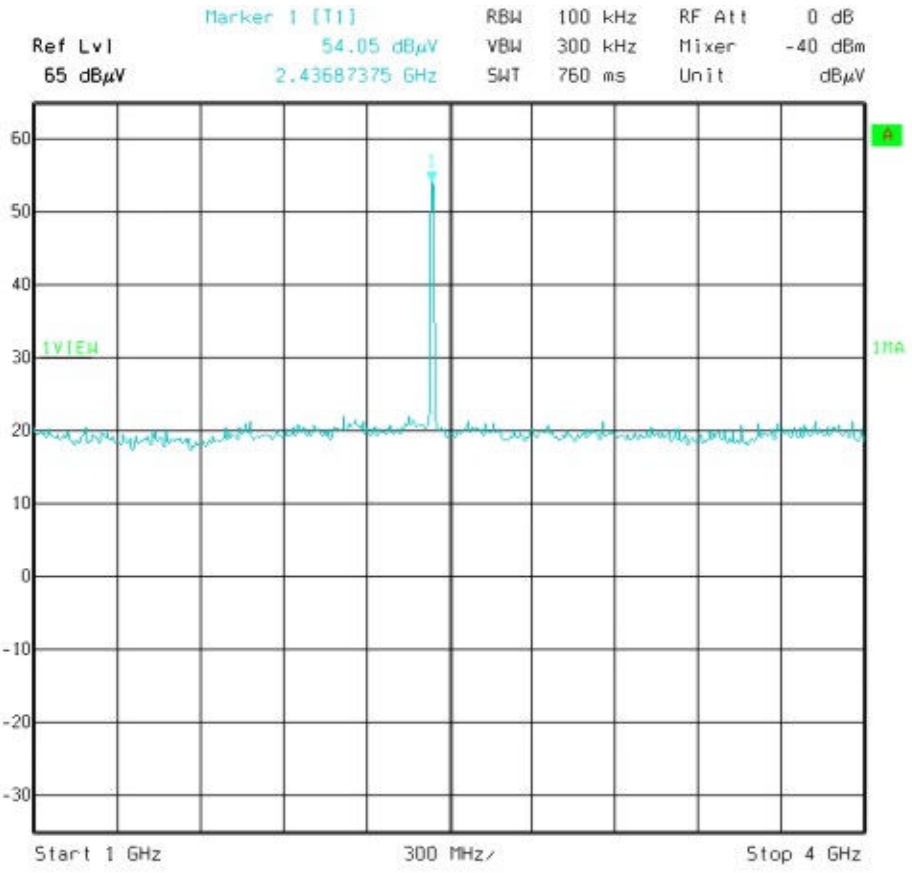
Transceiver C – Channel 6 Horizontal Polarisation



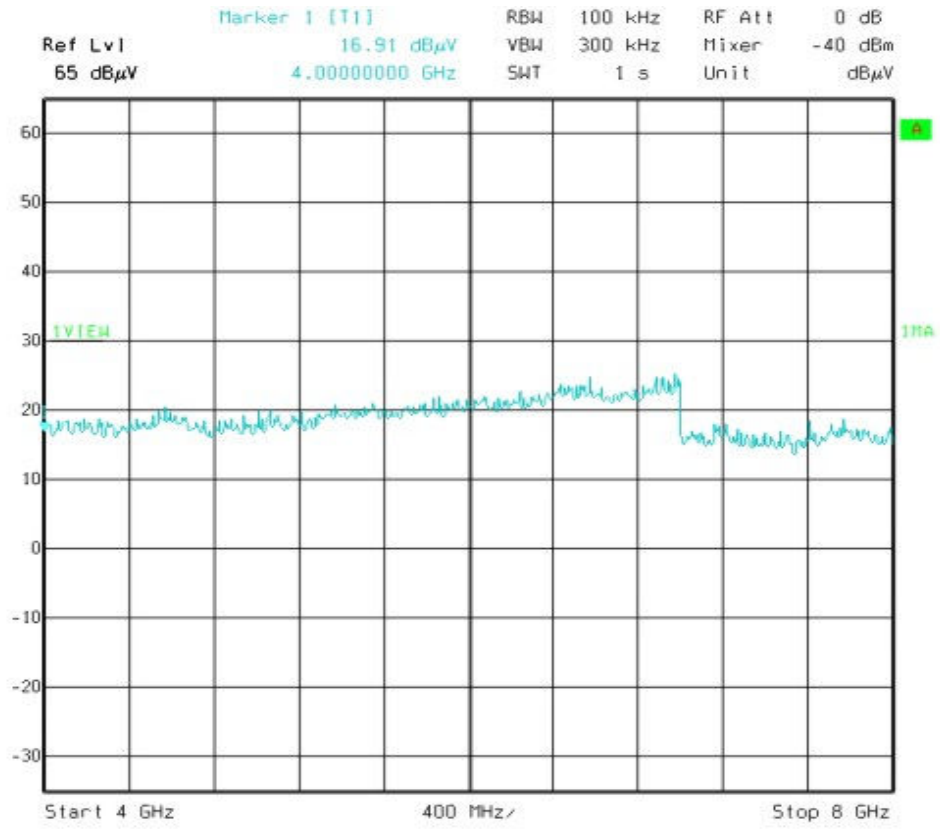
Transceiver C – Channel 6 Horizontal Polarisation



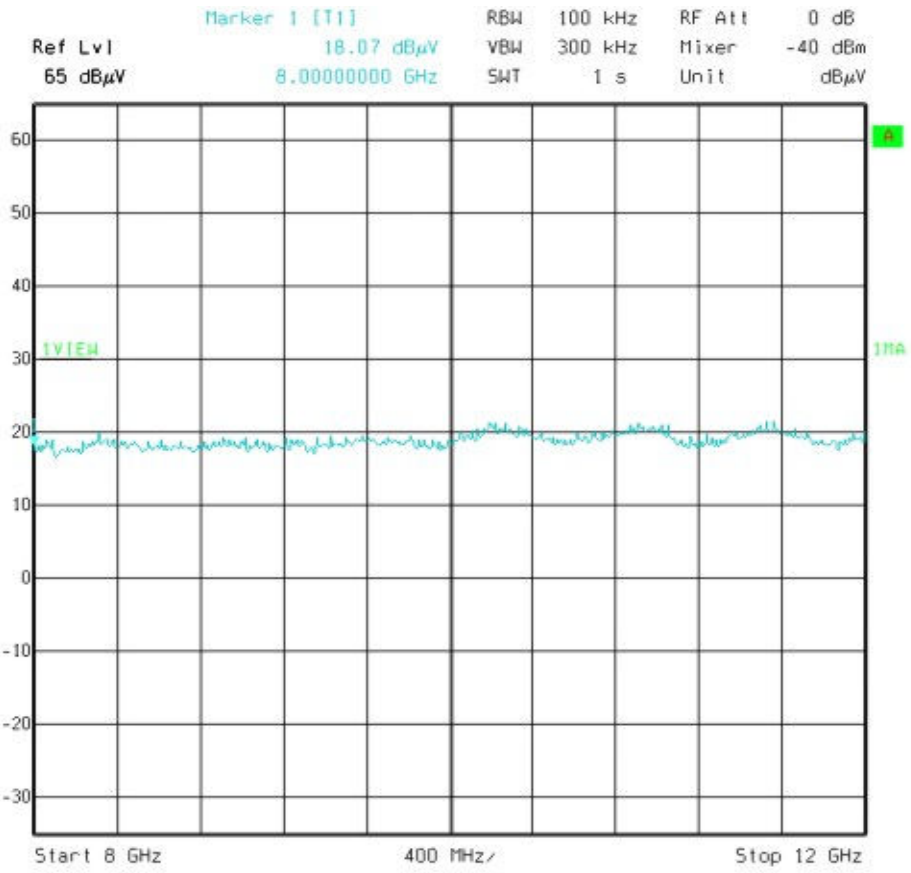
Transceiver C – Channel 6 Vertical Polarisation



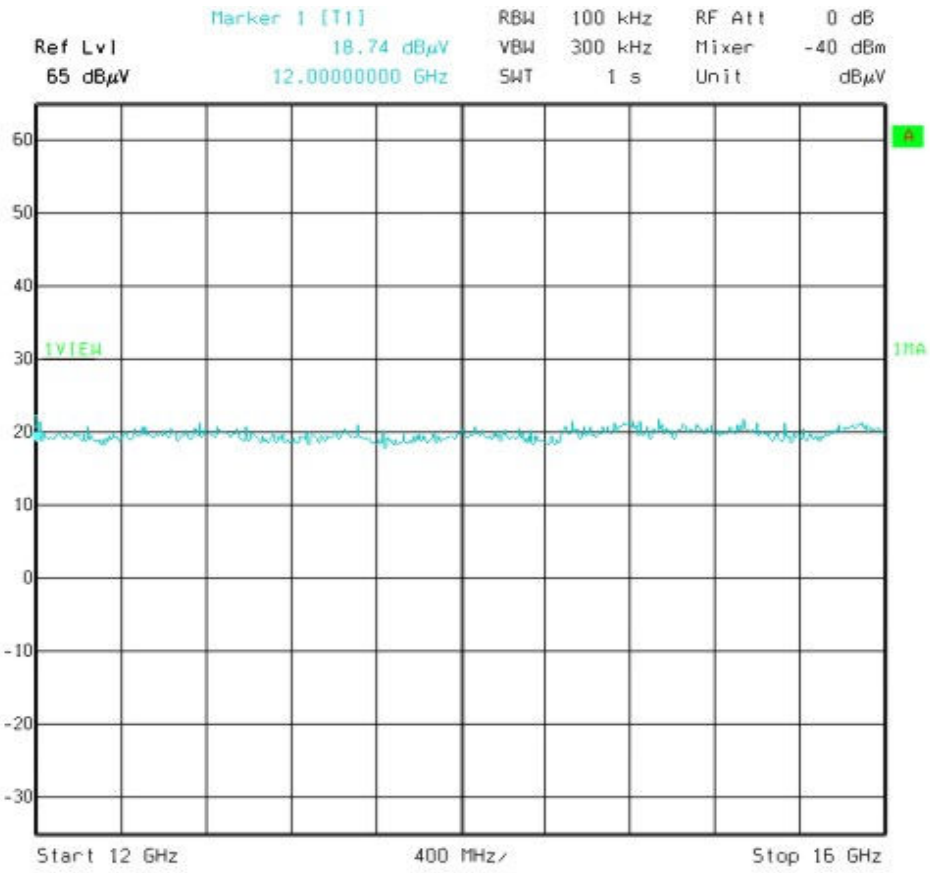
Transceiver C – Channel 6 Vertical Polarisation



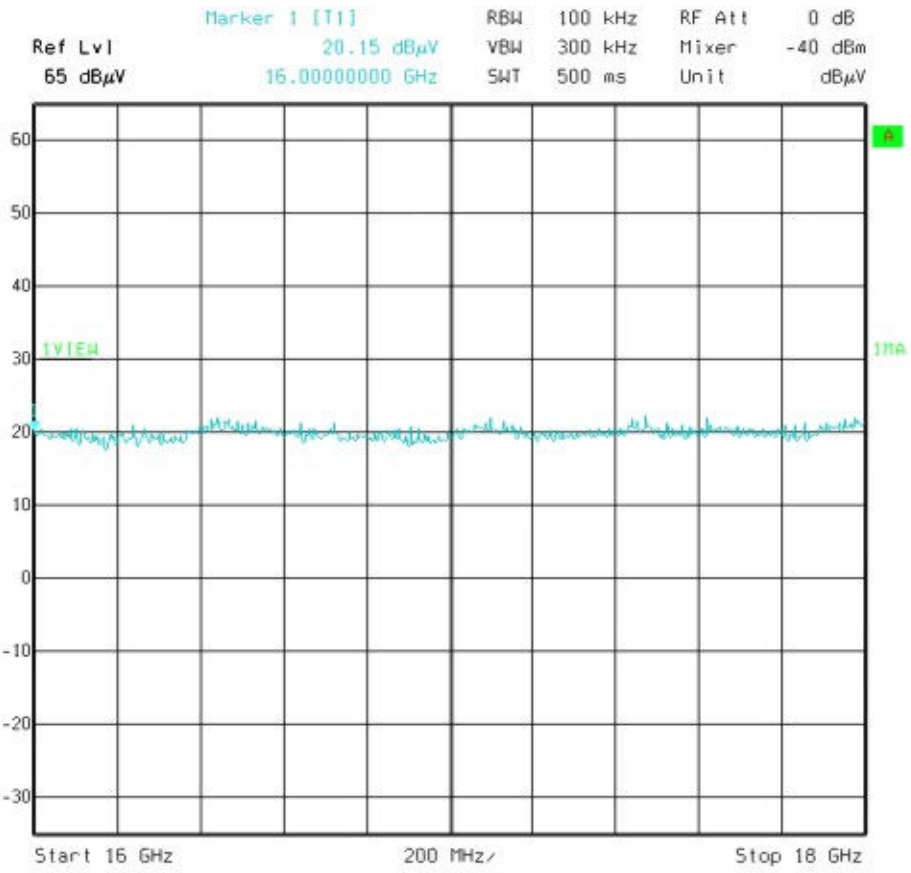
Transceiver C – Channel 6 Vertical Polarisation



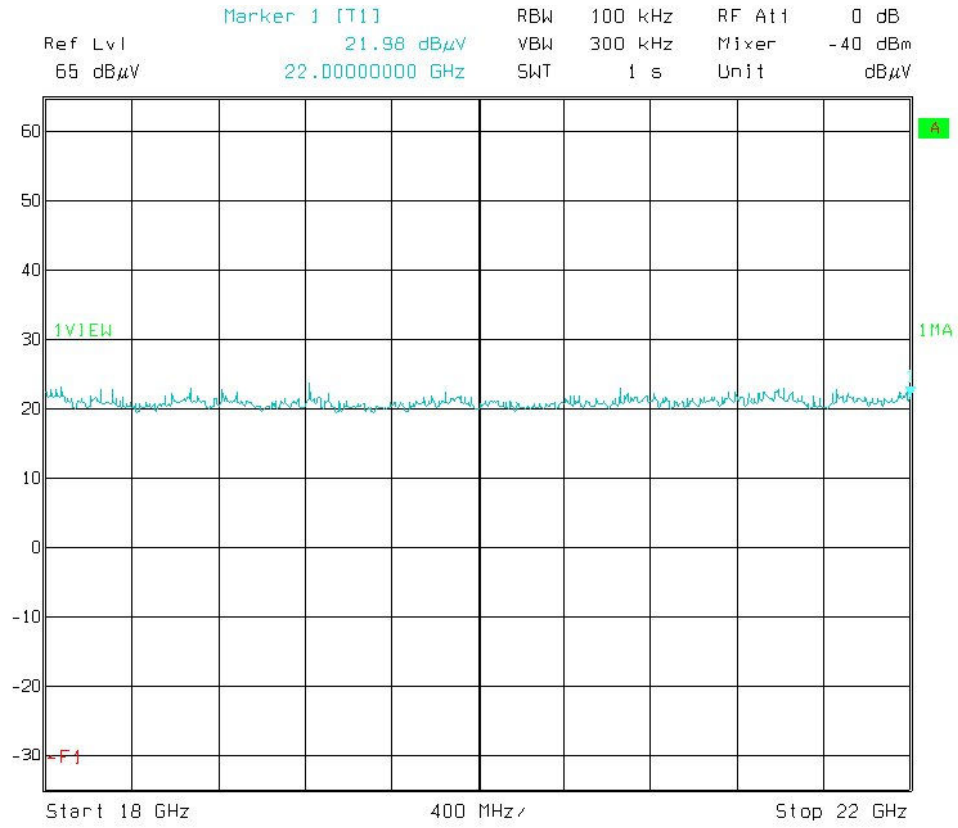
Transceiver C – Channel 6 Vertical Polarisation



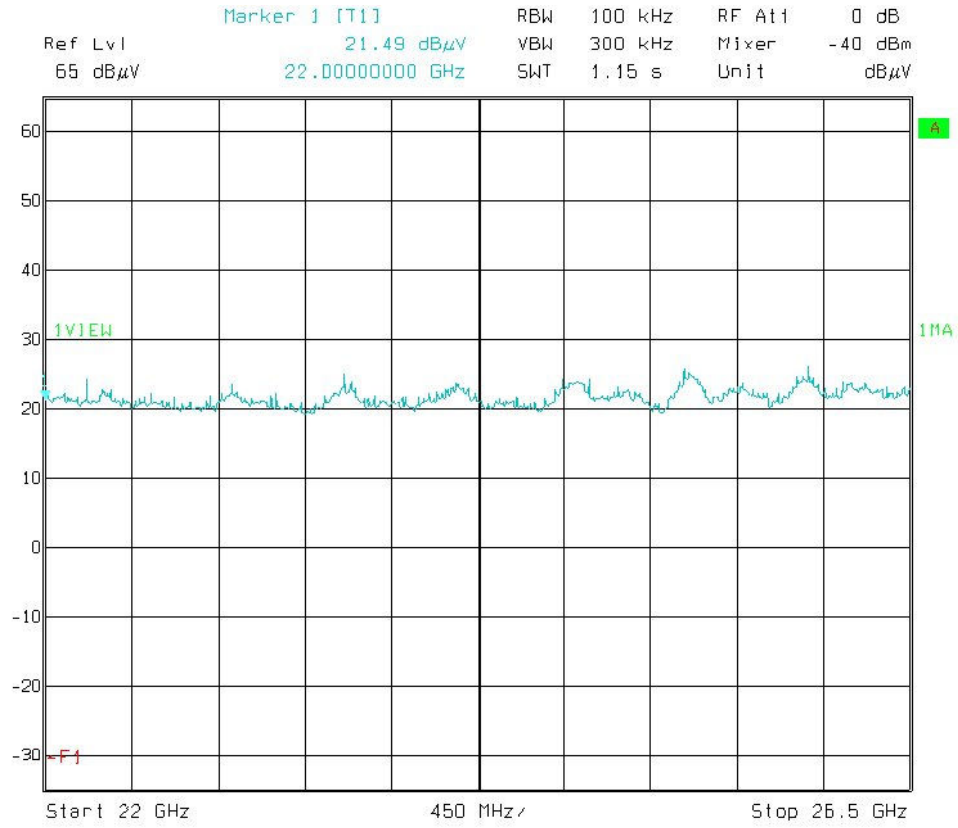
Transceiver C – Channel 6 Vertical Polarisation



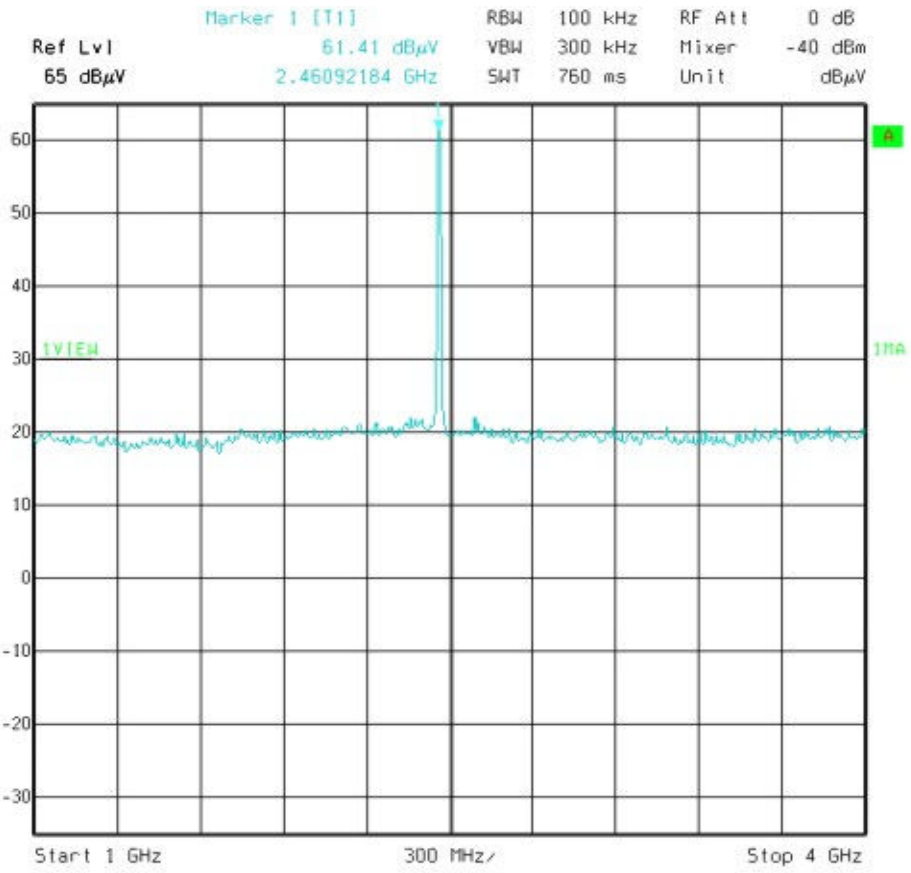
Transceiver C – Channel 6 Horizontal & Vertical Polarisation



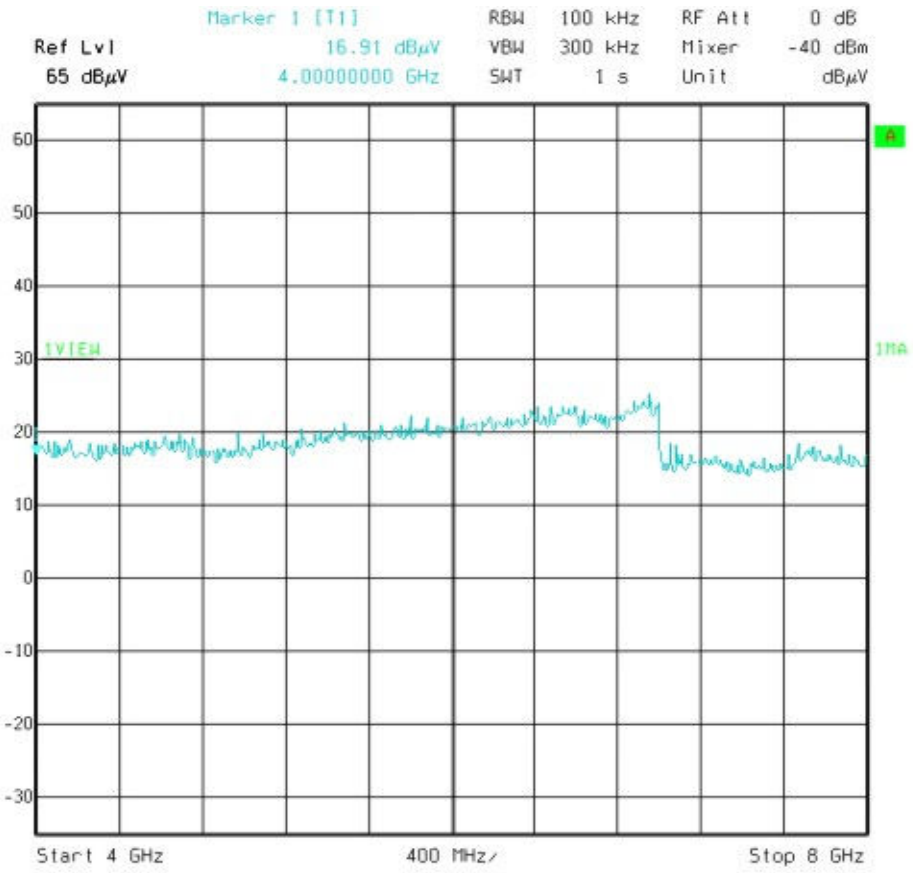
Transceiver C – Channel 6 Horizontal & Vertical Polarisation



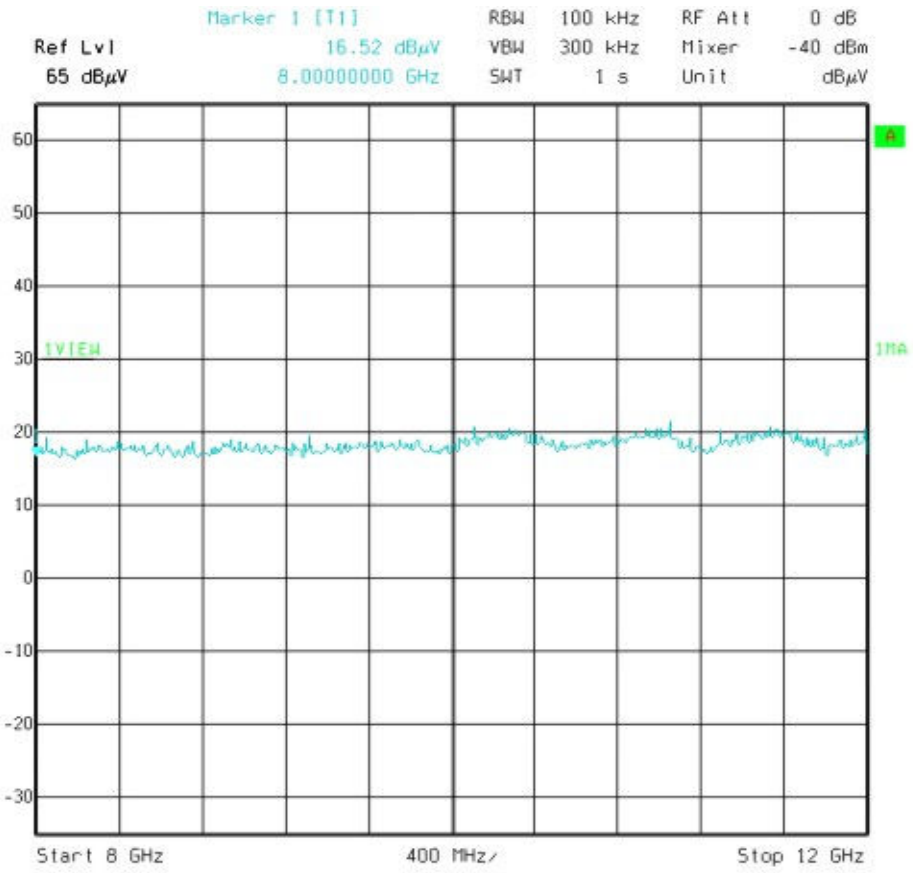
Transceiver C – Channel 11 Horizontal Polarisation



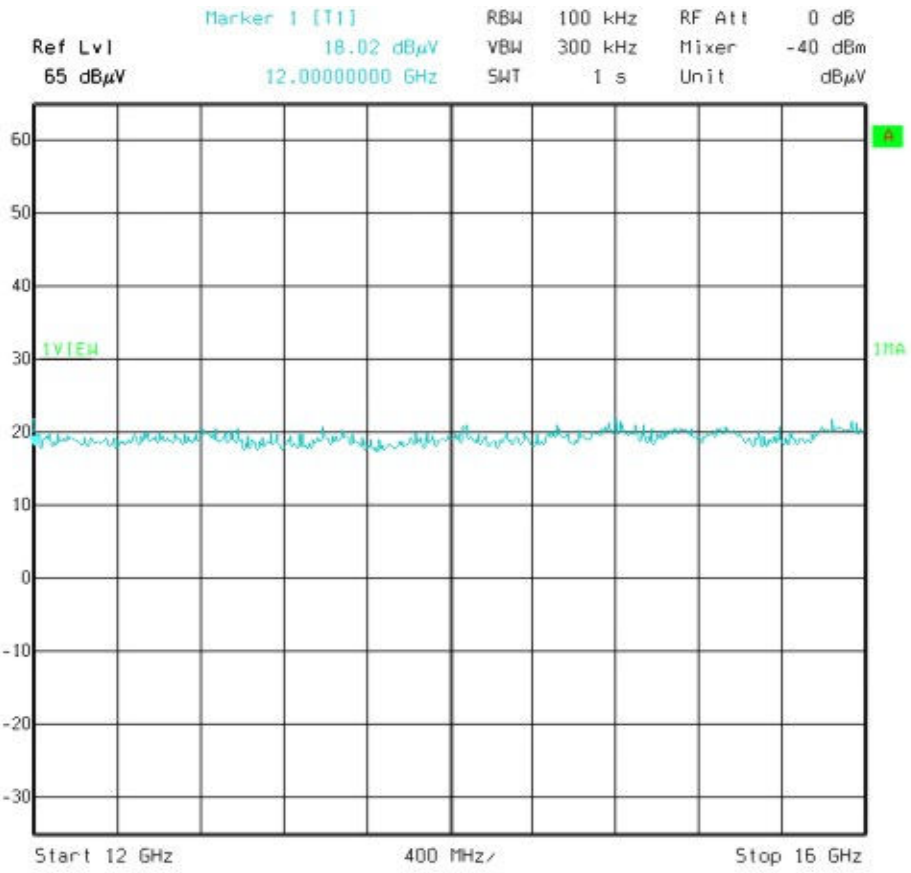
Transceiver C – Channel 11 Horizontal Polarisation



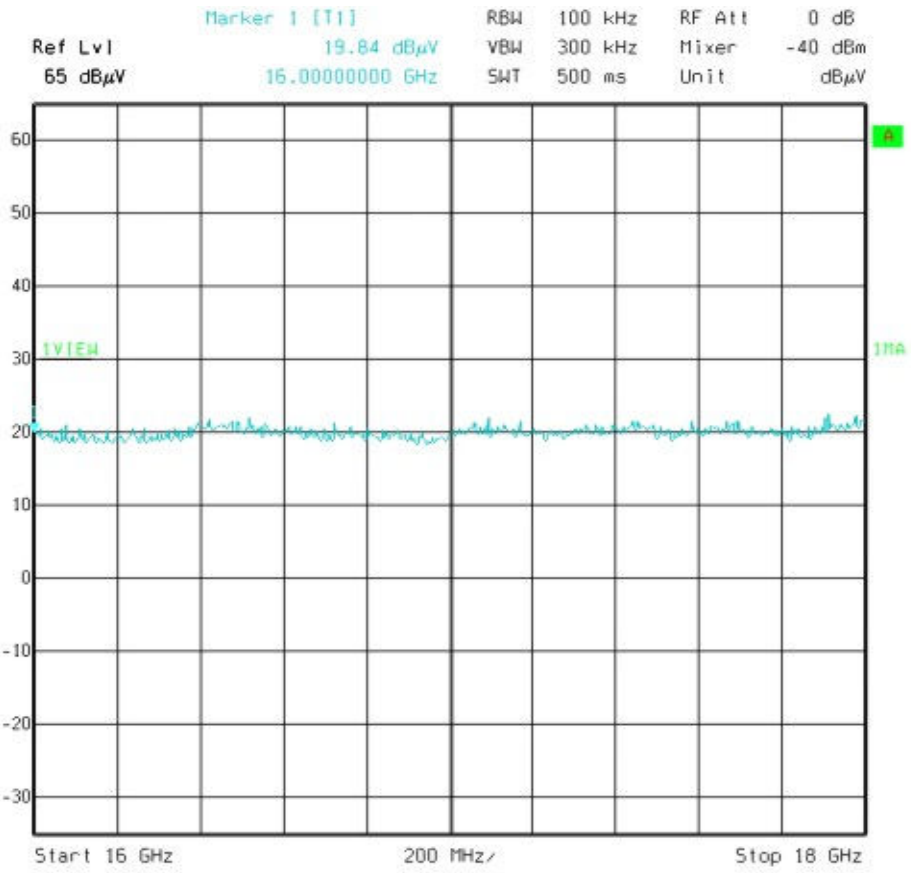
Transceiver C – Channel 11 Horizontal Polarisation



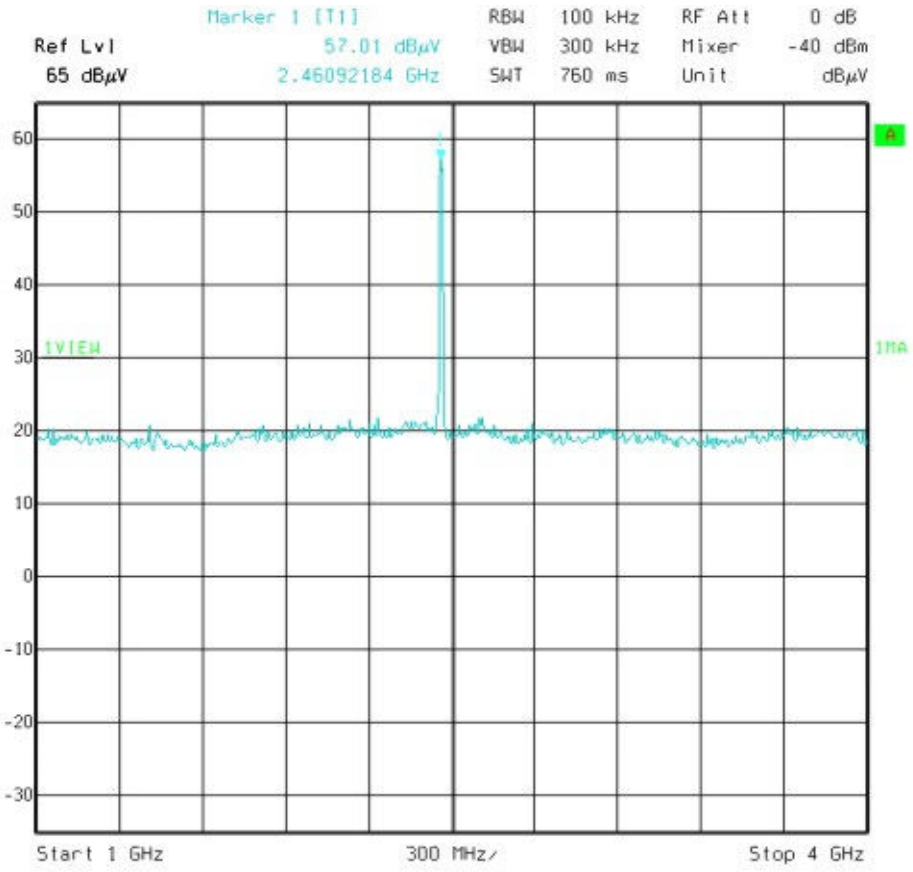
Transceiver C – Channel 11 Horizontal Polarisation



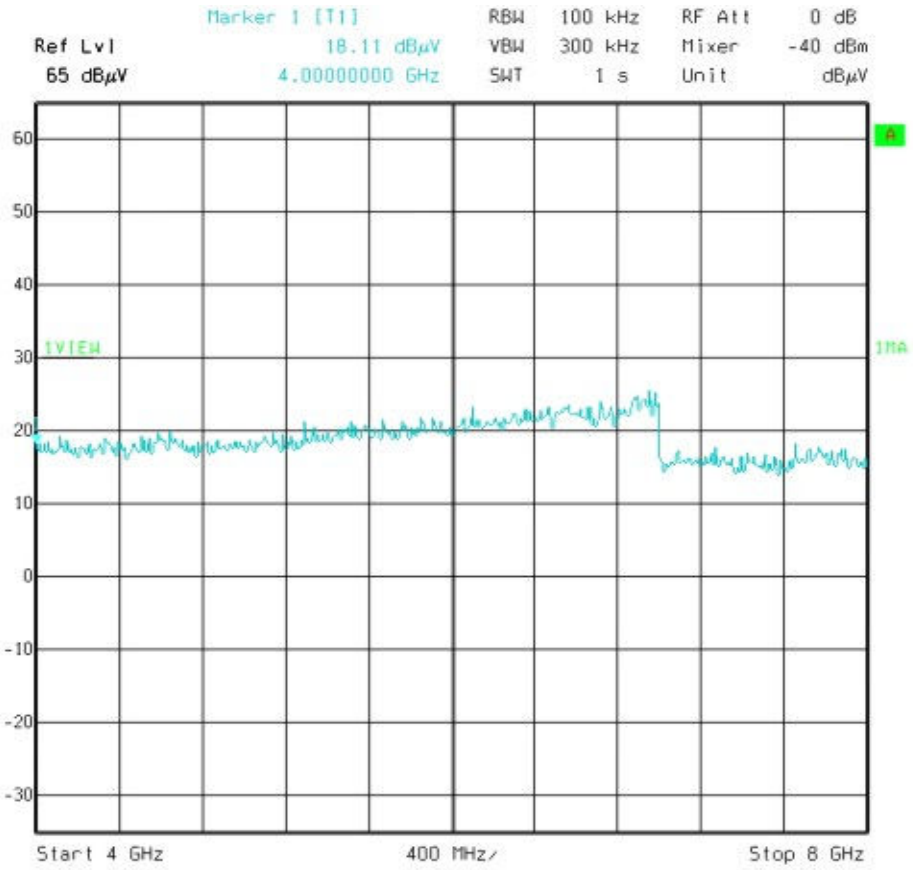
Transceiver C – Channel 11 Horizontal Polarisation



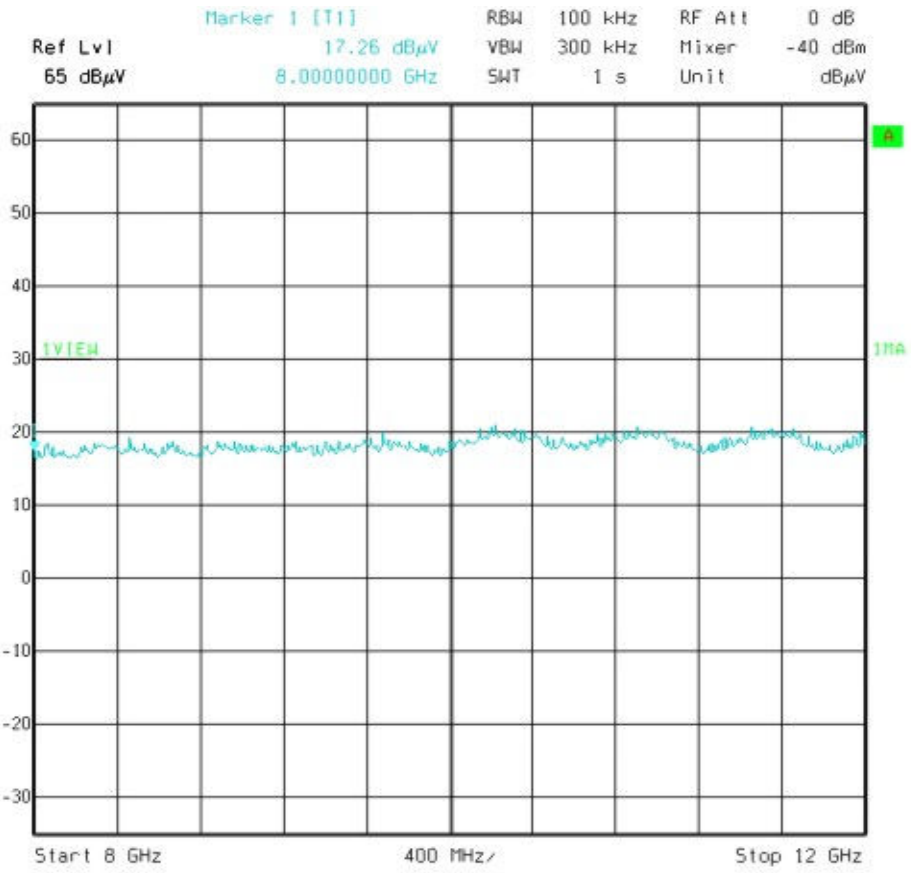
Transceiver C – Channel 11 Vertical Polarisation



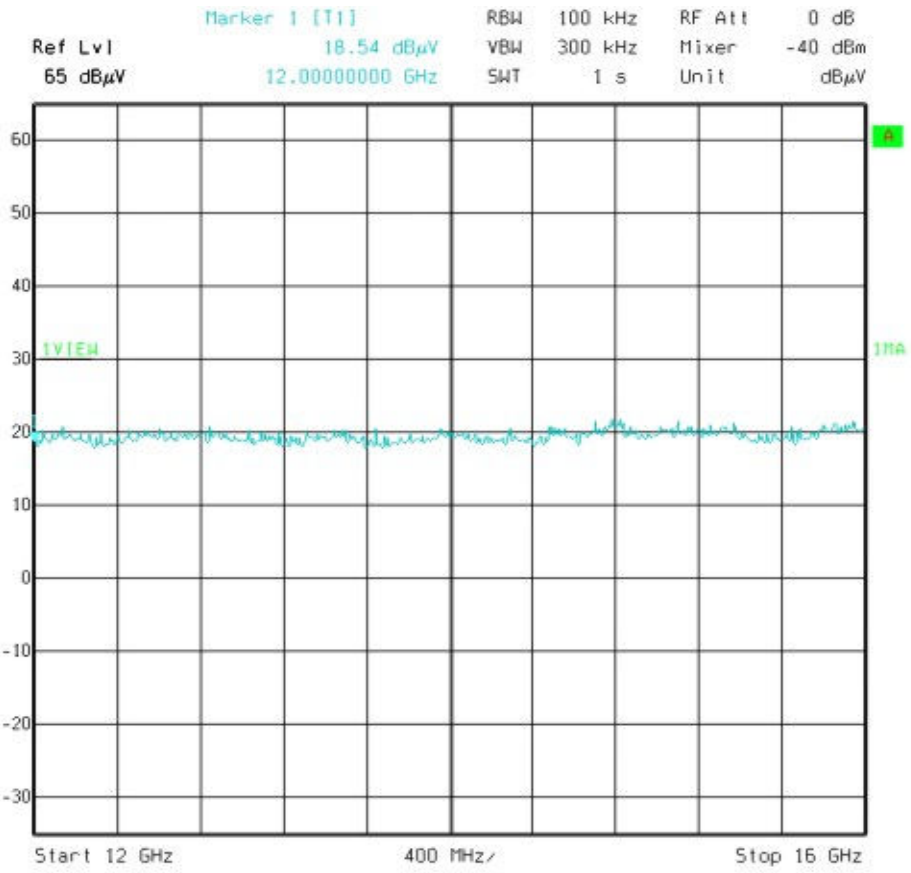
Transceiver C – Channel 11 Vertical Polarisation



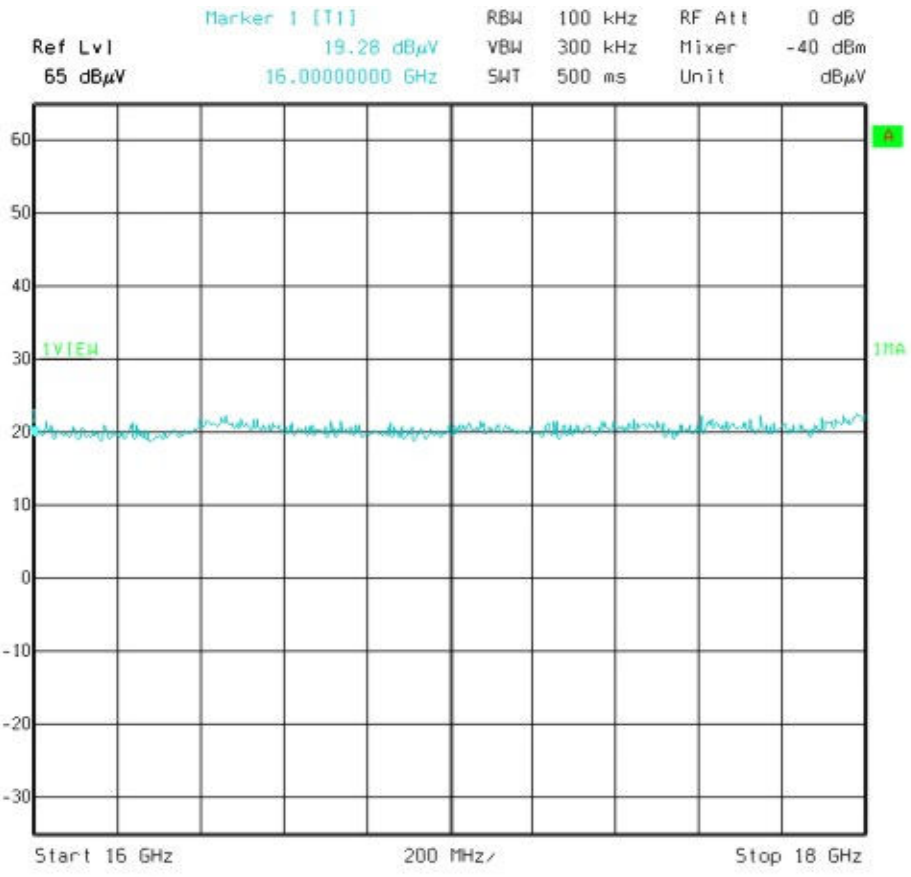
Transceiver C – Channel 11 Vertical Polarisation



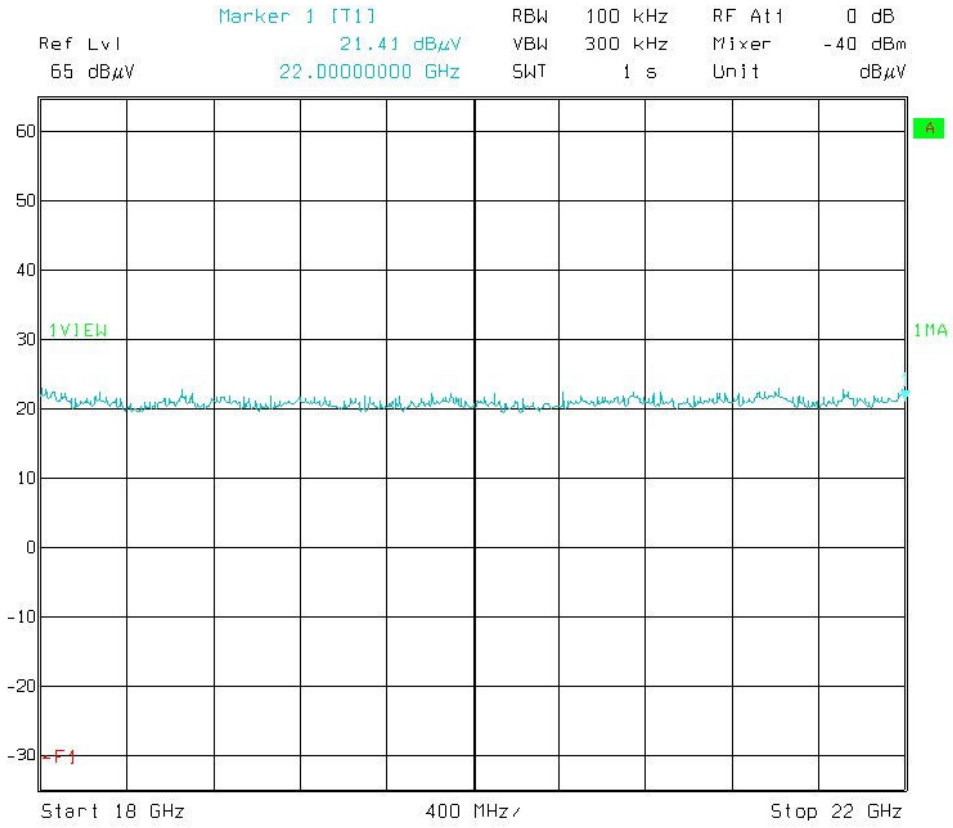
Transceiver C – Channel 11 Vertical Polarisation



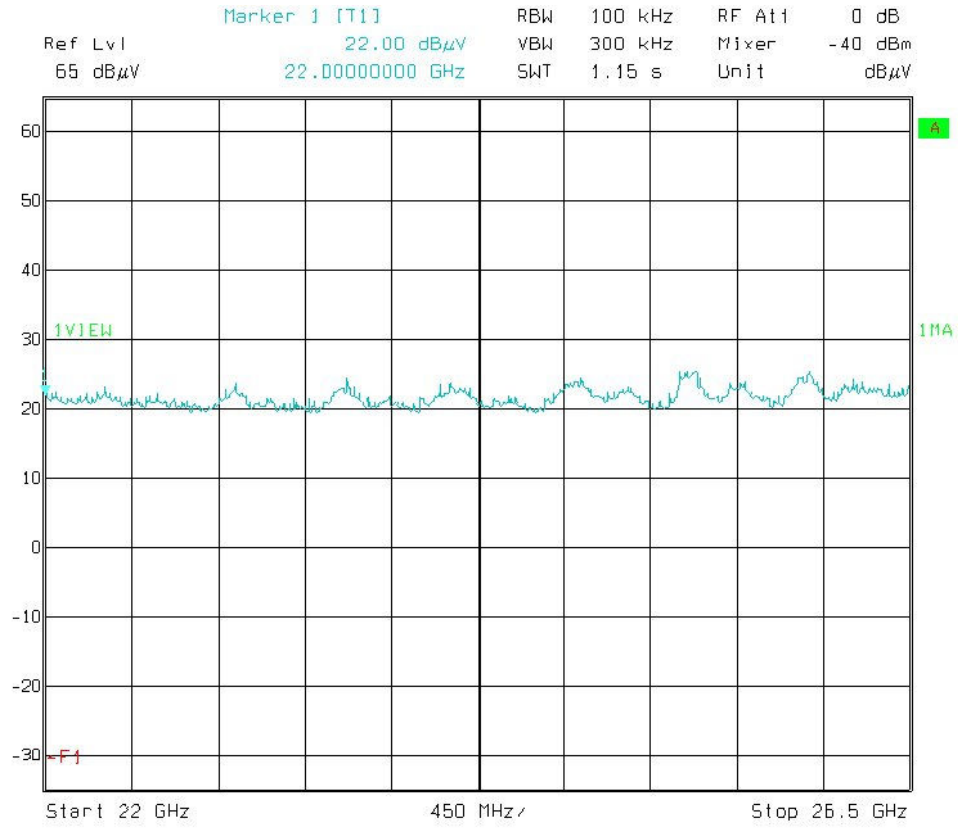
Transceiver C – Channel 11 Vertical Polarisation



Transceiver C – Channel 11 Horizontal & Vertical Polarisation



Transceiver C – Channel 11 Horizontal & Vertical Polarisation



5.3 6 dB Bandwidth Test

This test took place on 31st October, 2007. The EUT was set up as described in 2.1

Temperature: 16 °C
Humidity: 44 % rh

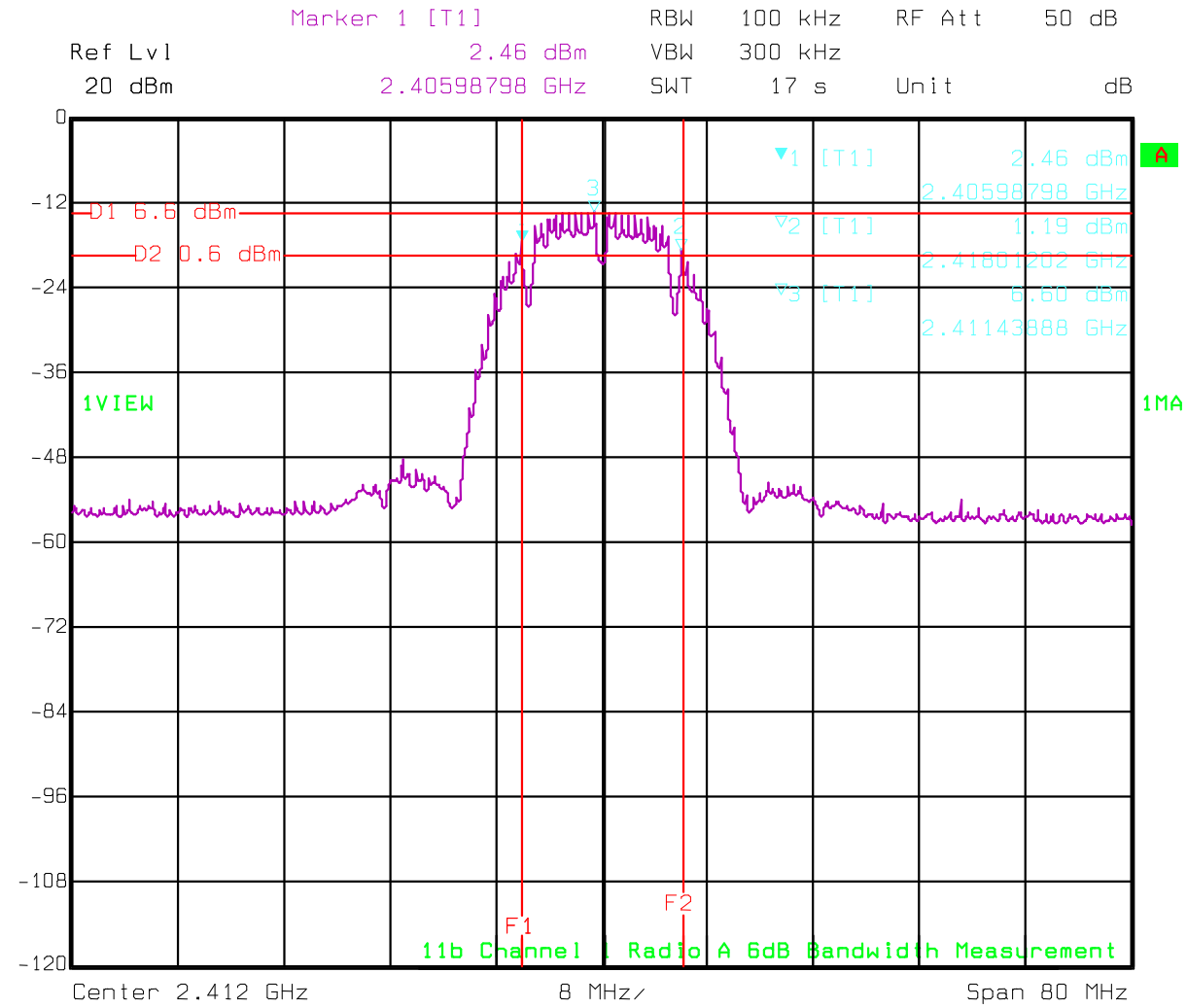
The 6 dB bandwidth measurements were measured using a spectrum analyser for each transceiver in turn, operating on Channels 1, 6 & 11 respectively.

Transceiver	Operating Channel	Minimum Bandwidth requirement	Measured Bandwidth
A	Channel 1	500 kHz	≡ 12.0 MHz
	Channel 6	500 kHz	≡ 12.5 MHz
	Channel 11	500 kHz	≡ 12.0 MHz
B	Channel 1	500 kHz	≡ 12.3 MHz
	Channel 6	500 kHz	≡ 12.2 MHz
	Channel 11	500 kHz	≡ 12.3 MHz
C	Channel 1	500 kHz	≡ 12.5 MHz
	Channel 6	500 kHz	≡ 12.5 MHz
	Channel 11	500 kHz	≡ 12.0 MHz

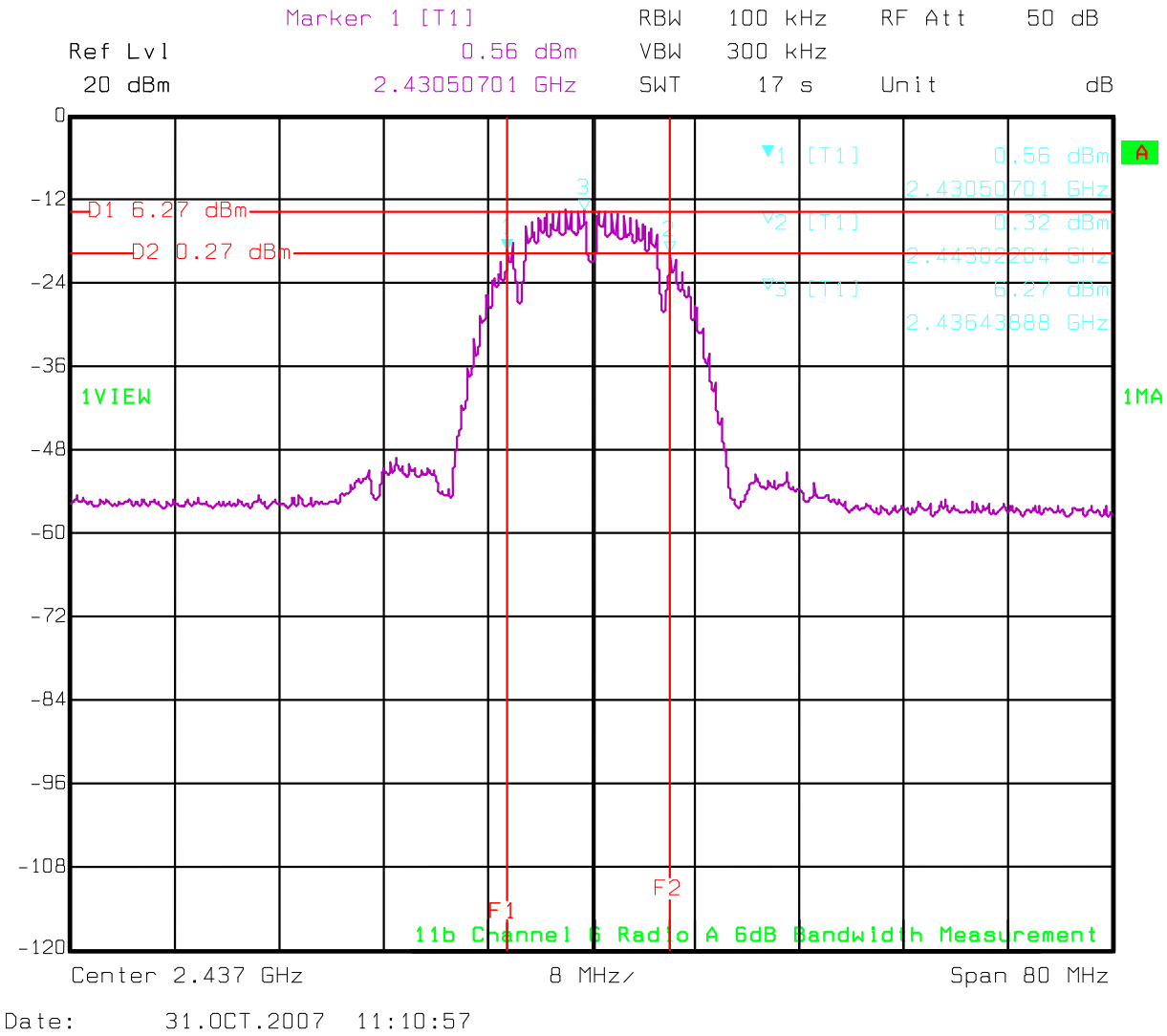
The EUT complies with the minimum requirement of 500 kHz as stated in CFR 47 Part 15 Subpart C, Section 15.247(a)(2).

5.3.1 6 dB Bandwidth Plots

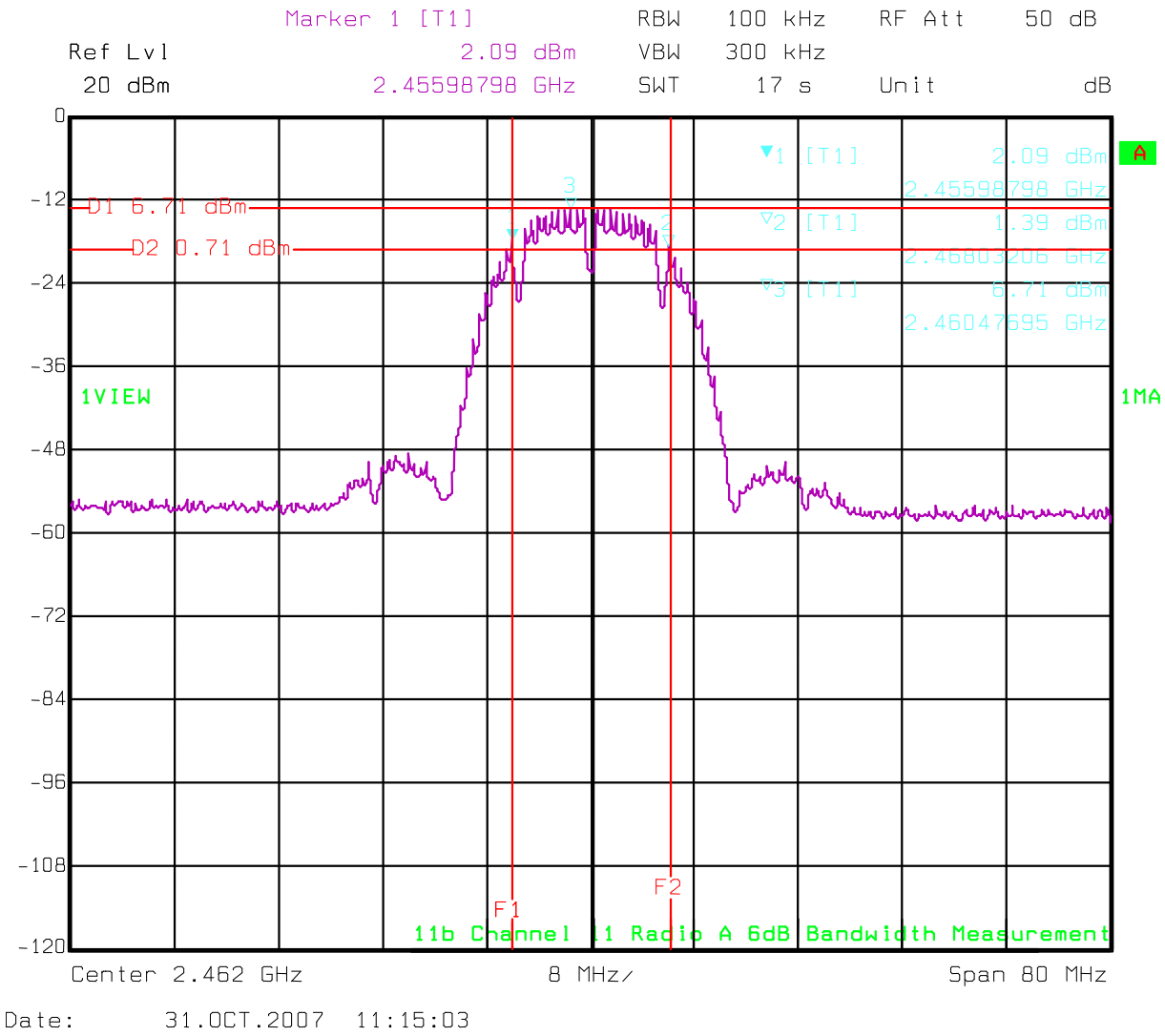
Transceiver A – Channel 1



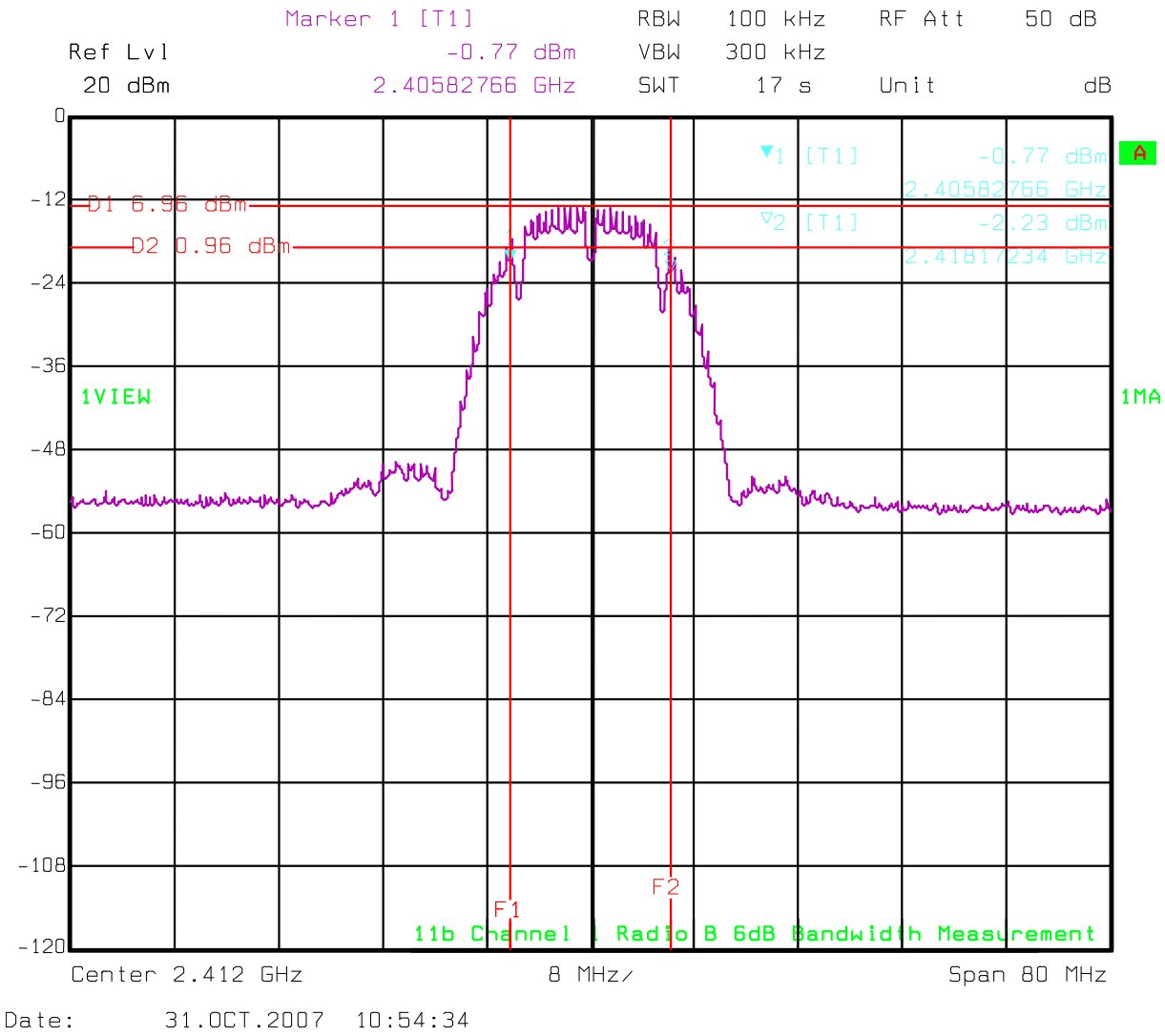
Transceiver A – Channel 6



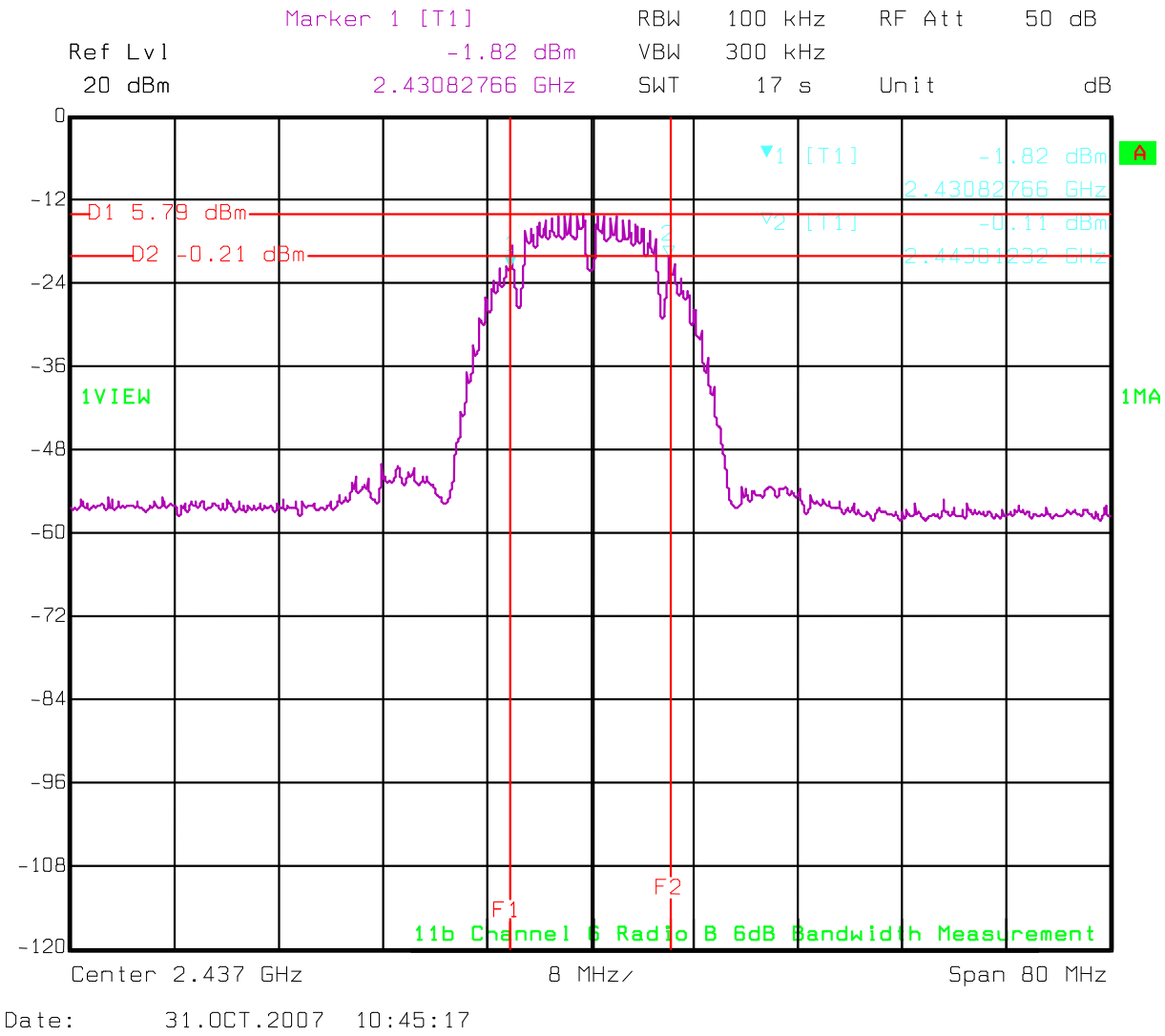
Transceiver A – Channel 11



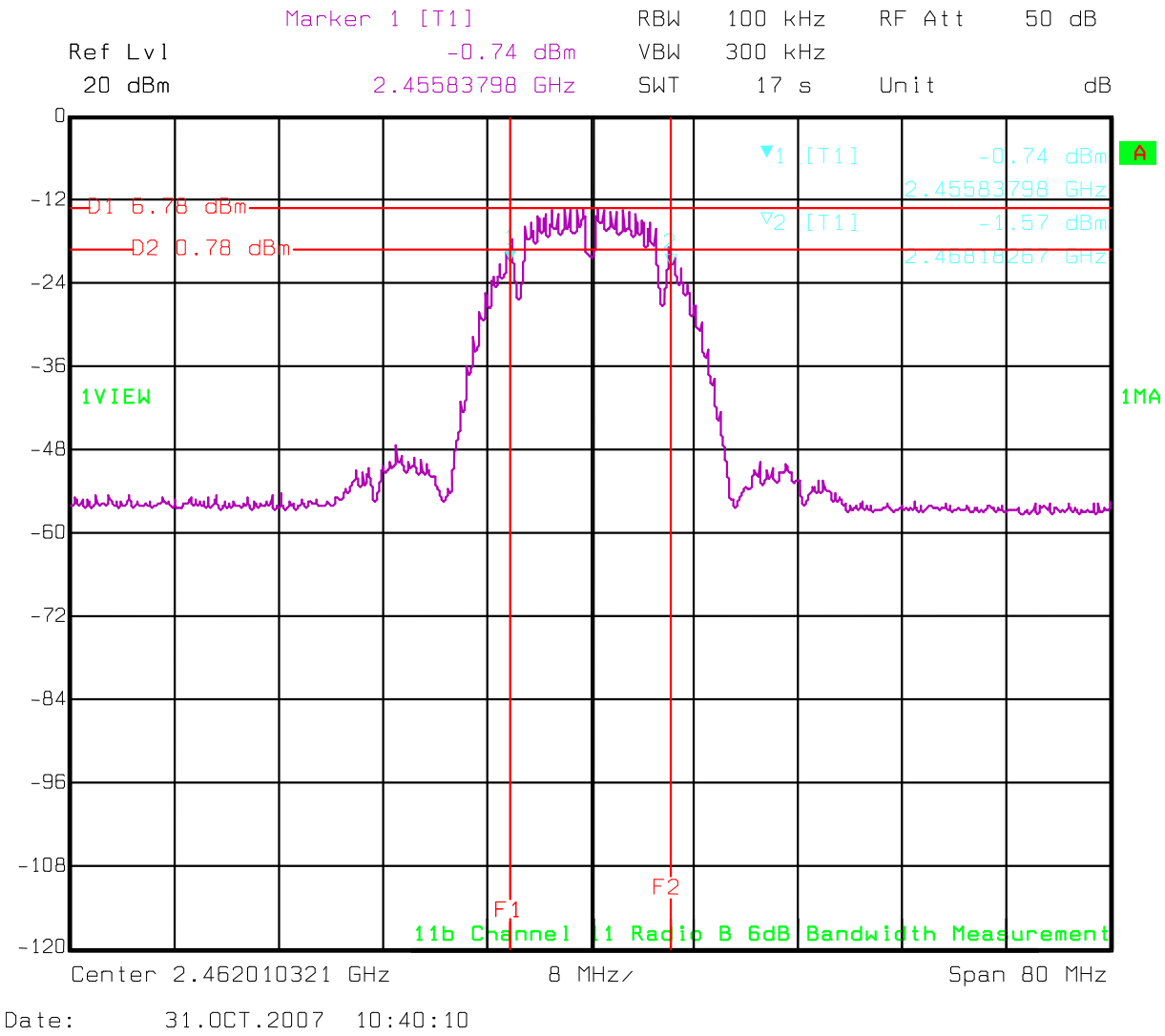
Transceiver B – Channel 1



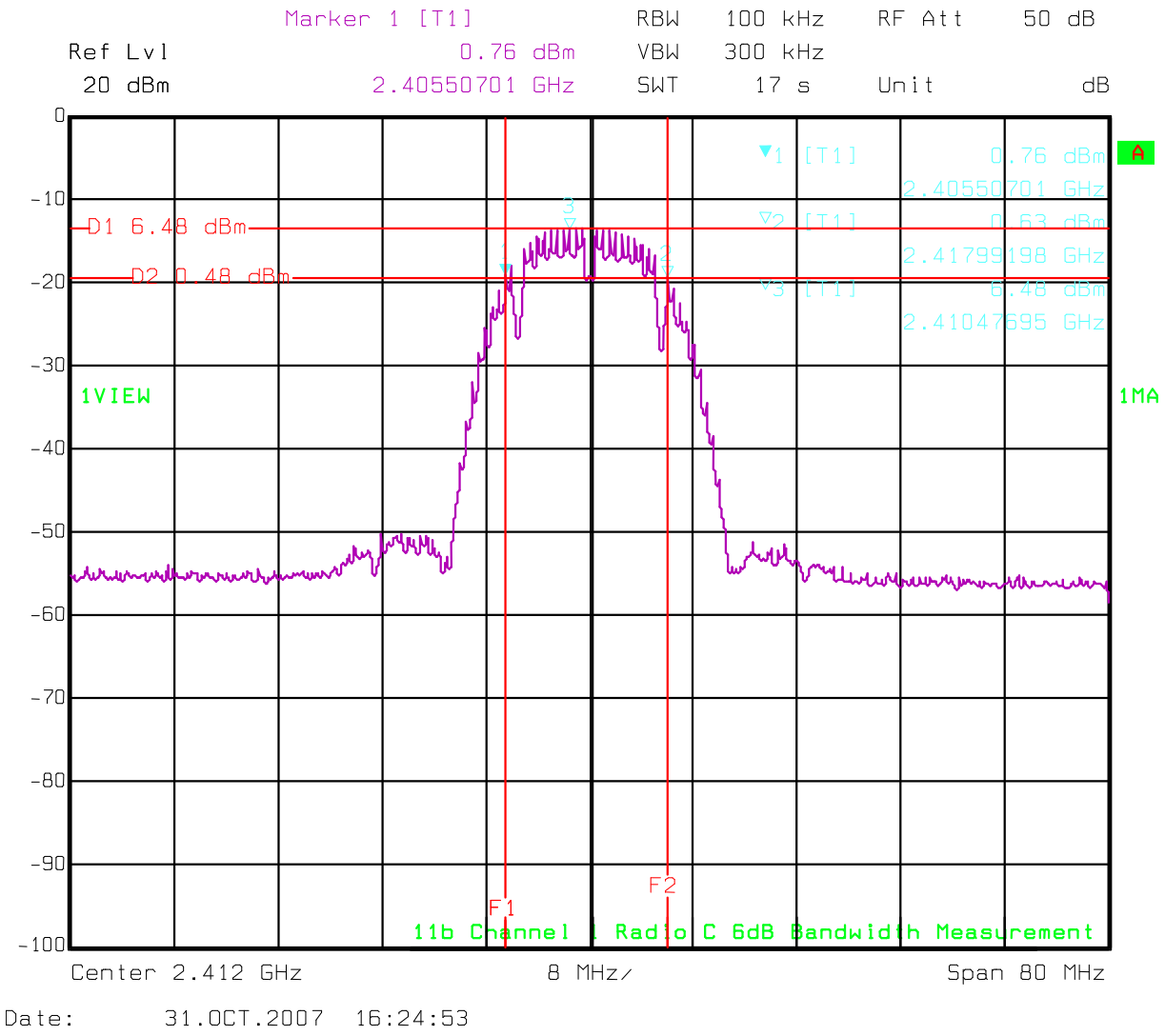
Transceiver B – Channel 6



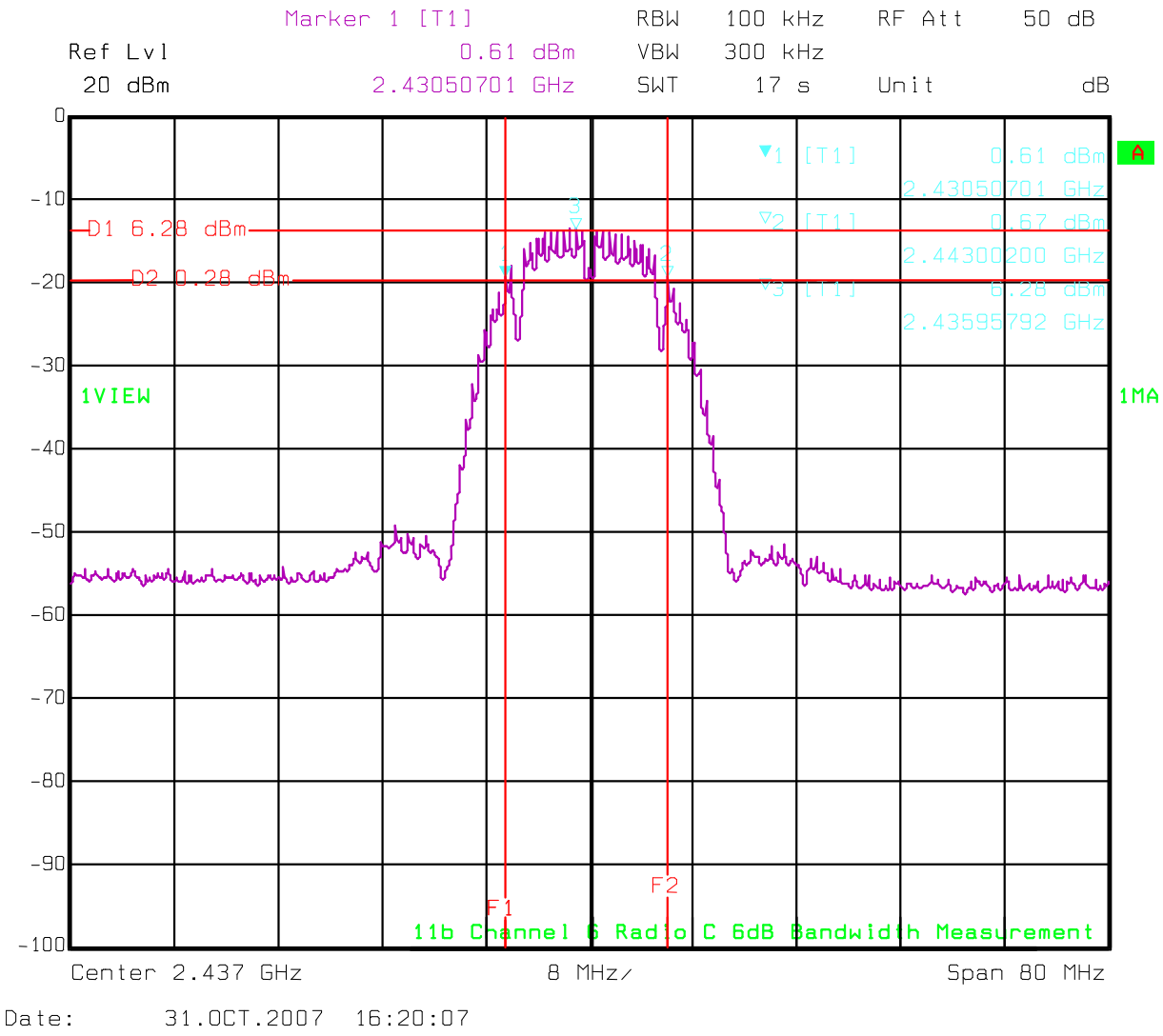
Transceiver B – Channel 11



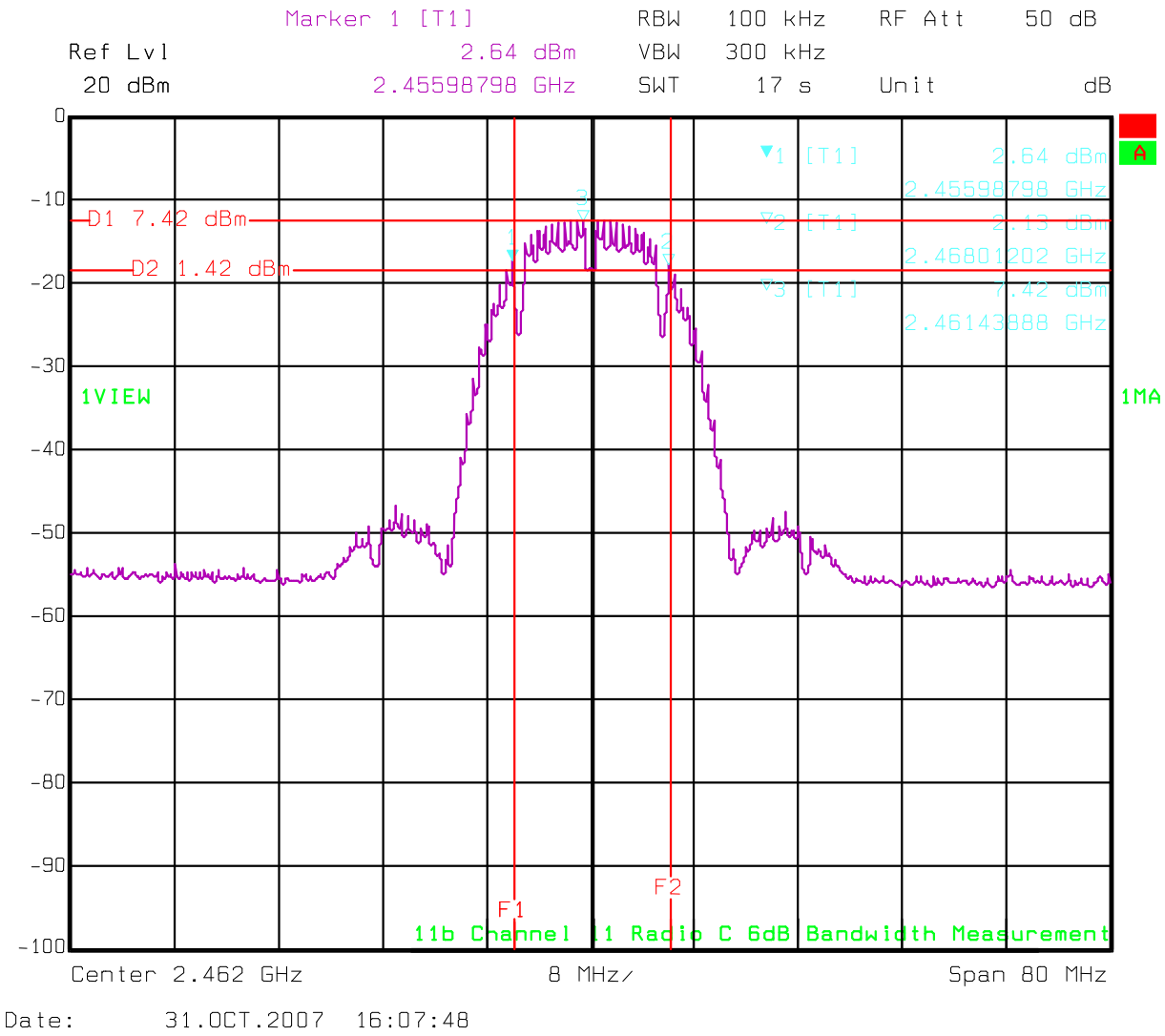
Transceiver C – Channel 1

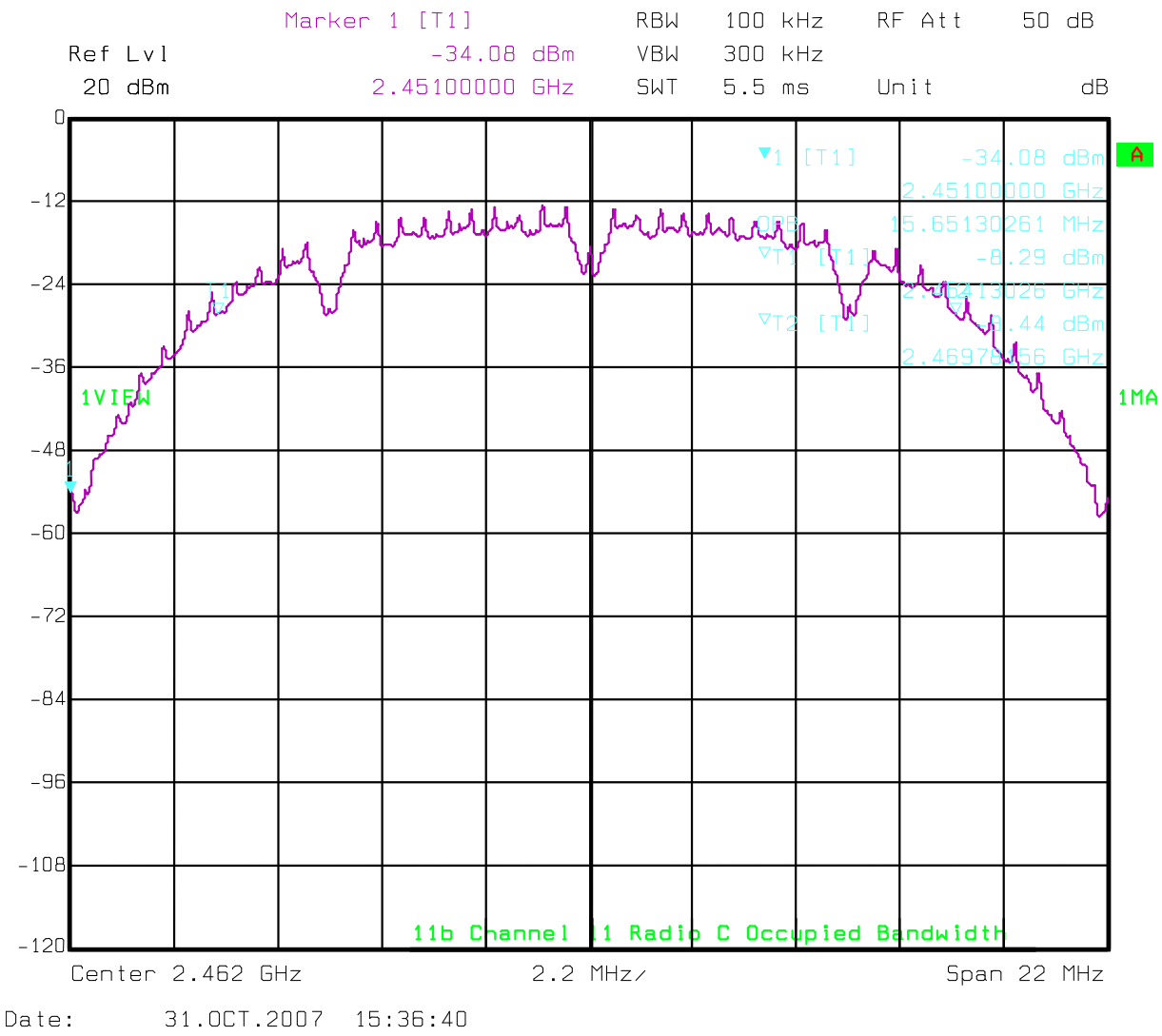


Transceiver C – Channel 6



Transceiver C – Channel 11




Marker 1 [T1]
RBW 100 kHz
RF Att 50 dB
Ref Lvl
-34.08 dBm
VBW 300 kHz
20 dBm
2.45100000 GHz
SWT 5.5 ms
Unit dB
1 [T1] -34.08 dBm
2.45100000 GHz
OBW 15.65130261 MHz
T1 [T1] -8.29 dBm
T2 [T1] 8.44 dBm
A
1VIEW
1MA
0
-12
-24
-36
-48
-60
-72
-84
-96
-108
-120
11b Channel 11 Radio C Occupied Bandwidth
Center 2.462 GHz
2.2 MHz/
Span 22 MHz
Date: 31.OCT.2007 15:36:40