

5.5.9 TEST RESULTS(ANTENNA 3)

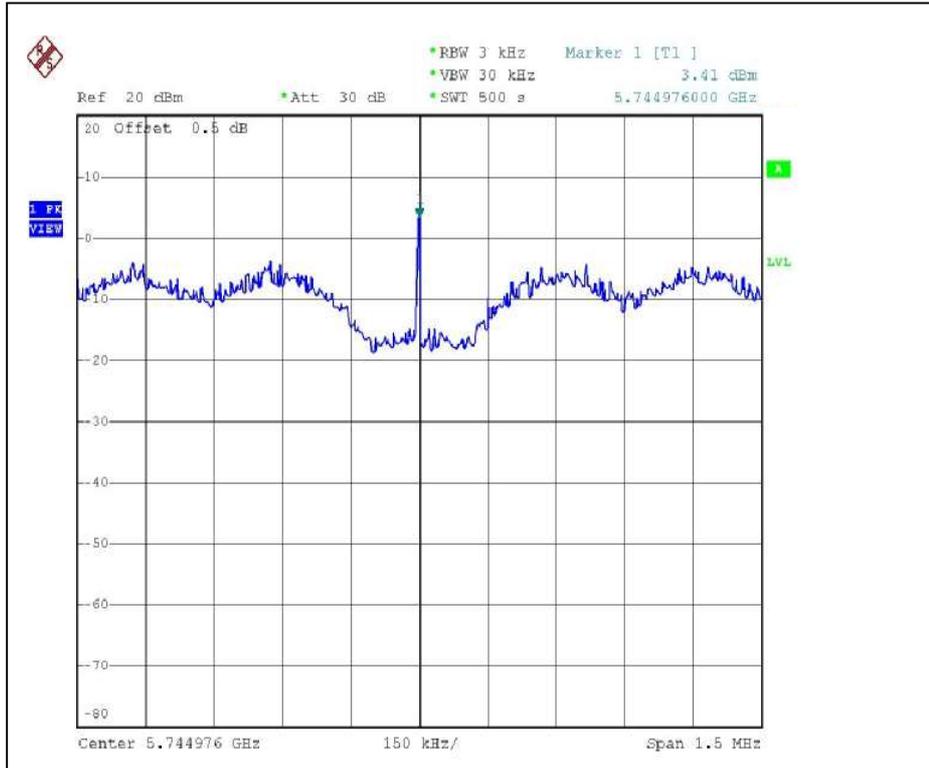
802.11a OFDM modulation

EUT	Aruba 80 a+b/g Outdoor Stand-alone Access Point / WDS Bridge Master		
MODEL	AP-80MB	TRANSFER RATE	6Mbps
MODULATION TYPE	BPSK	ENVIRONMENTAL CONDITIONS	27deg. C, 53%RH, 961hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Eric Lee

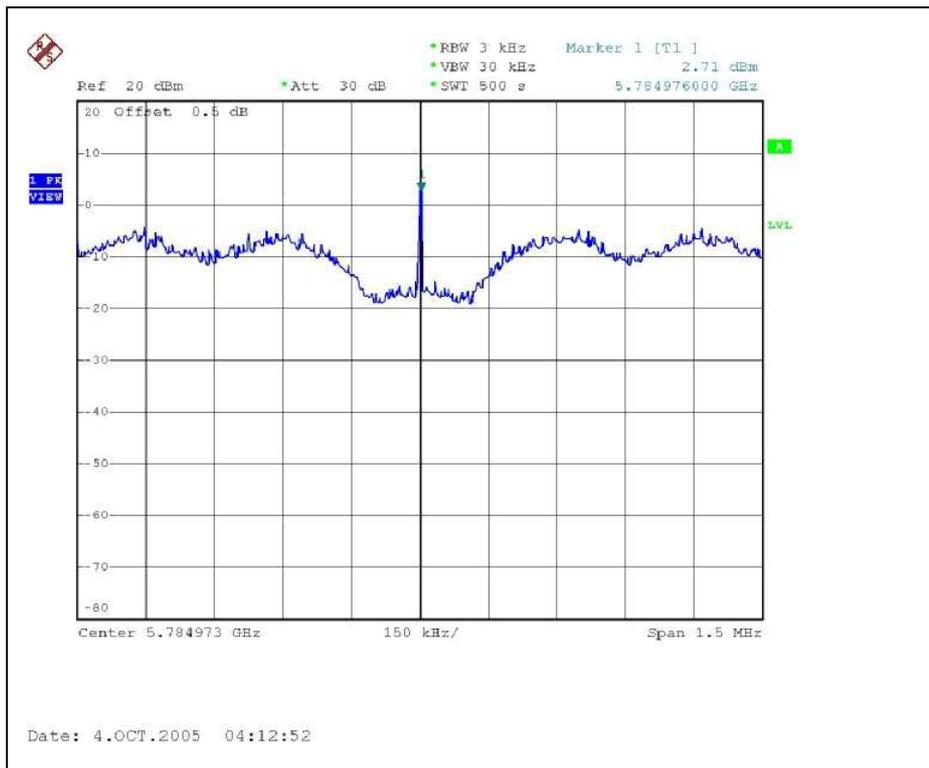
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5745	3.41	8	PASS
3	5785	2.71	8	PASS
5	5825	2.47	8	PASS



CH1

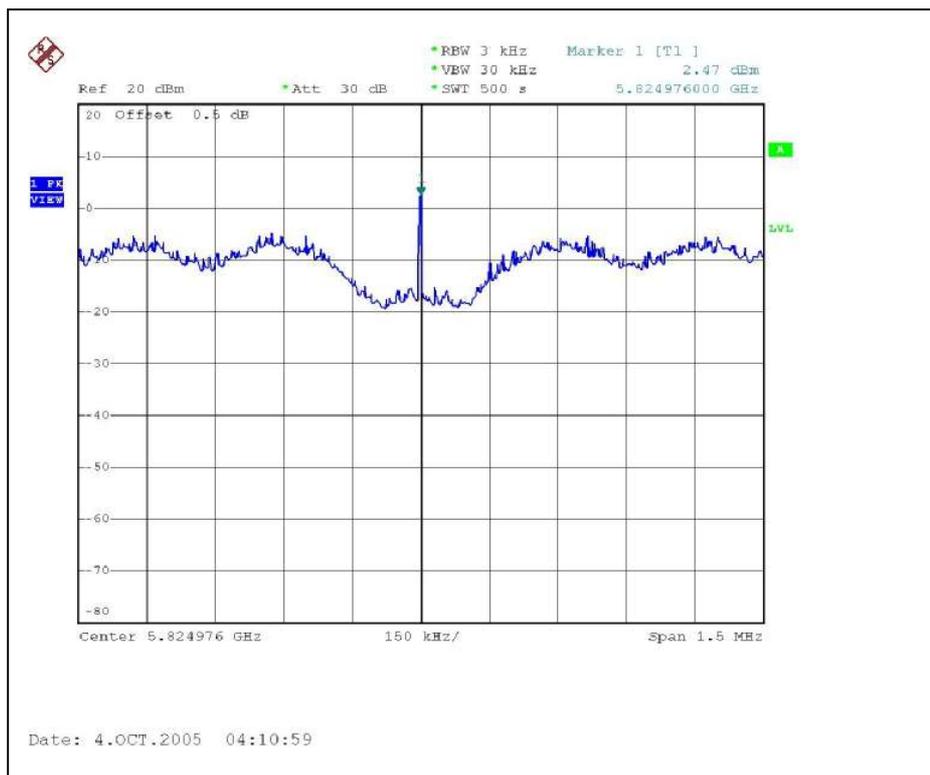


CH3





CH5



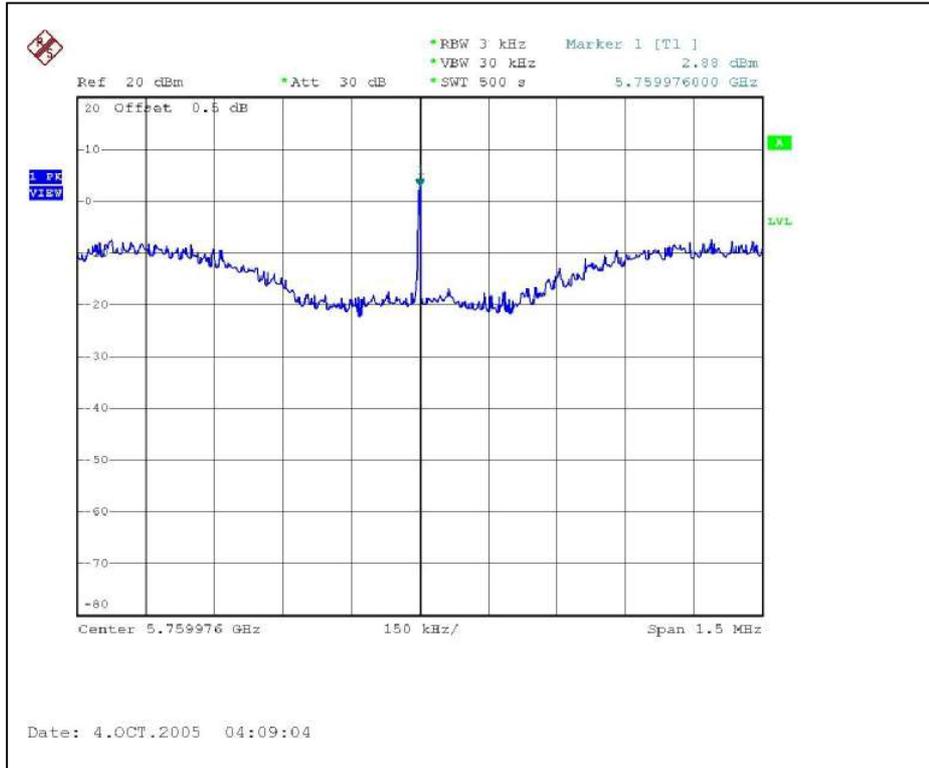
**802.11a Turbo OFDM modulation**

EUT	Aruba 80 a+b/g Outdoor Stand-alone Access Point / WDS Bridge Master		
MODEL	AP-80MB	TRANSFER RATE	12Mbps
MODULATION TYPE	BPSK	ENVIRONMENTAL CONDITIONS	27deg. C, 53%RH, 961hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Eric Lee

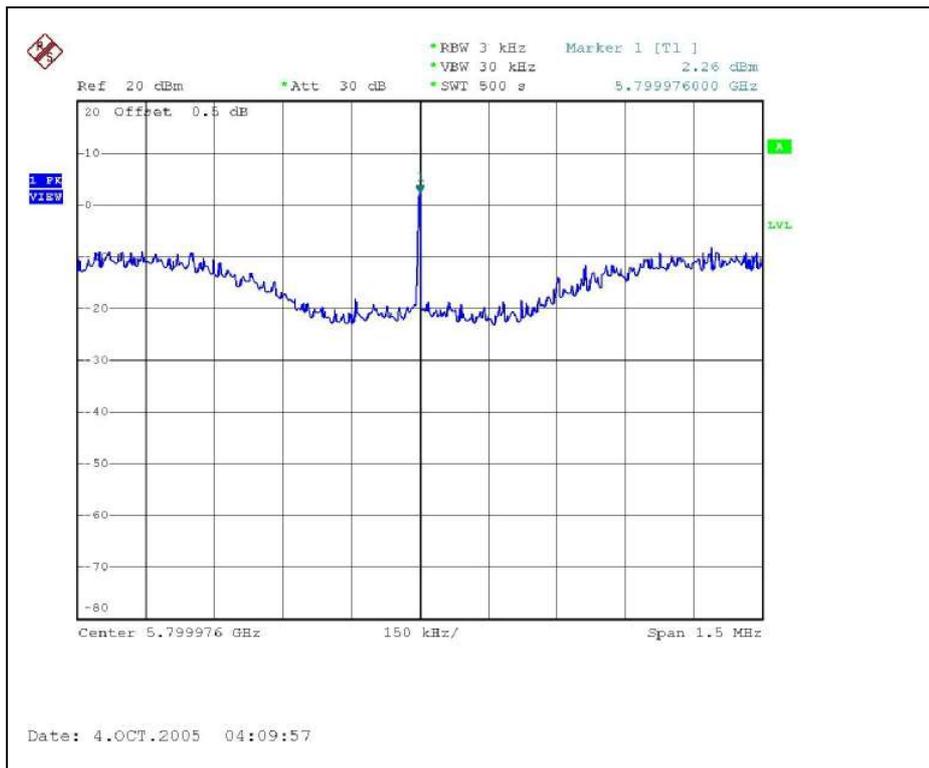
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5760	2.88	8	PASS
2	5800	2.26	8	PASS



CH1



CH2





5.5.10 TEST RESULTS(ANTENNA 4)

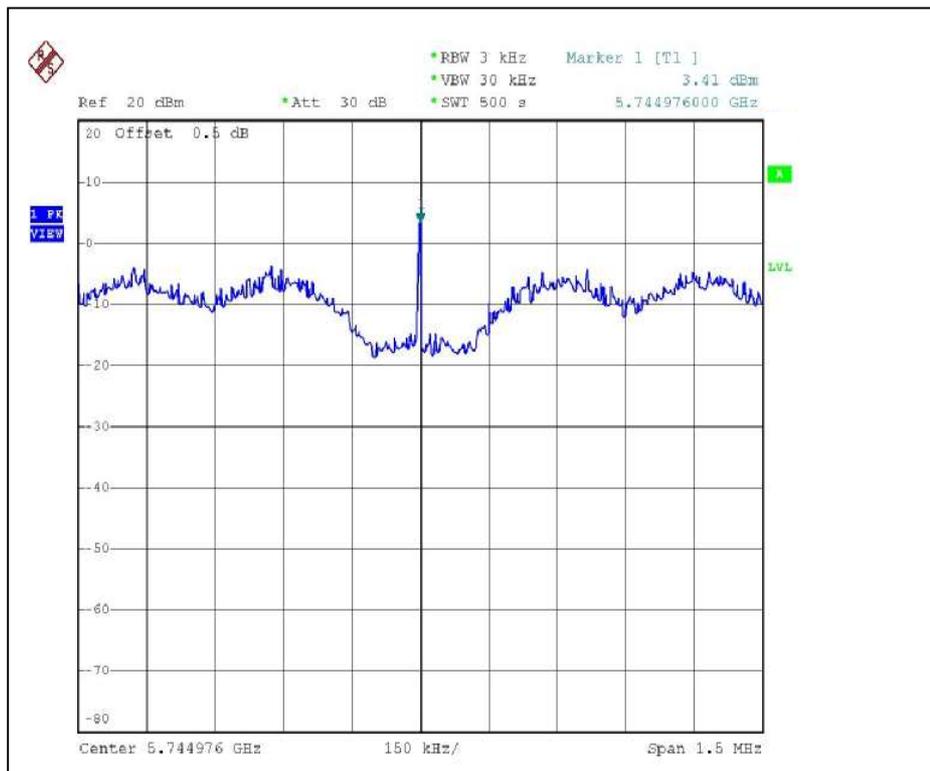
802.11a OFDM modulation

EUT	Aruba 80 a+b/g Outdoor Stand-alone Access Point / WDS Bridge Master		
MODEL	AP-80MB	TRANSFER RATE	6Mbps
MODULATION TYPE	BPSK	ENVIRONMENTAL CONDITIONS	27deg. C, 53%RH, 961hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Eric Lee

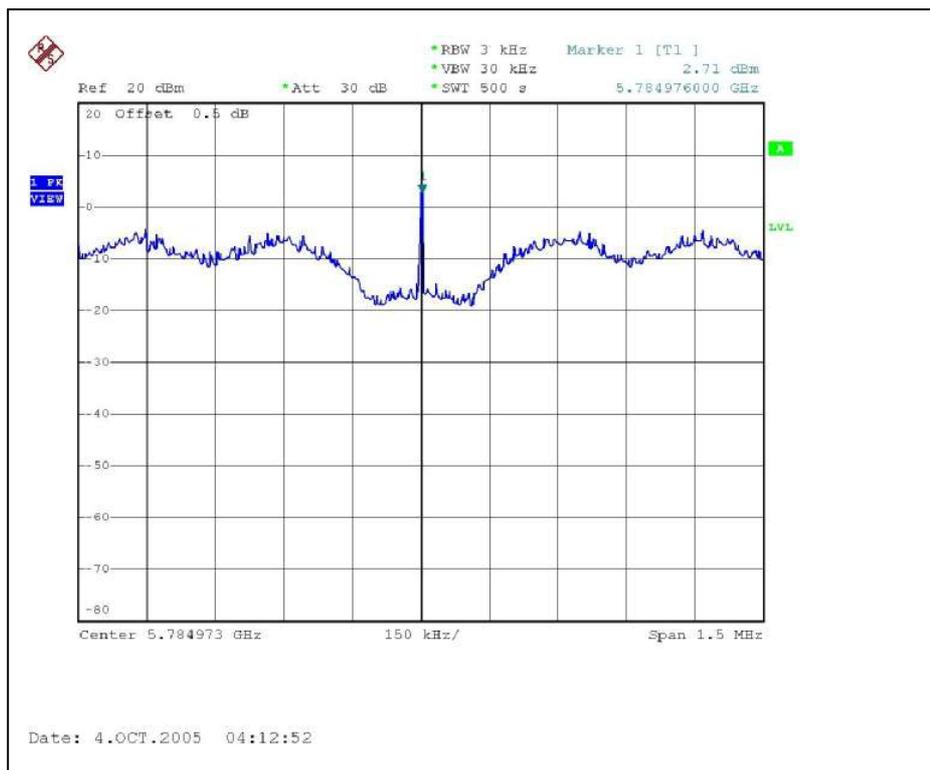
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5745	3.41	8	PASS
3	5785	2.71	8	PASS
5	5825	2.47	8	PASS



CH1

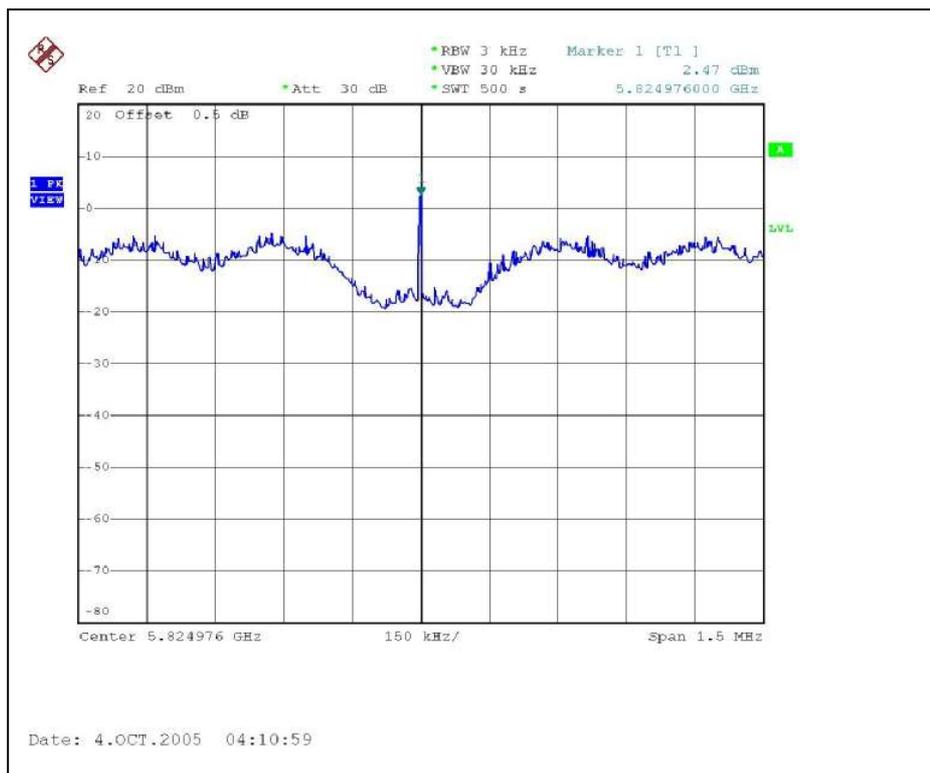


CH3





CH5



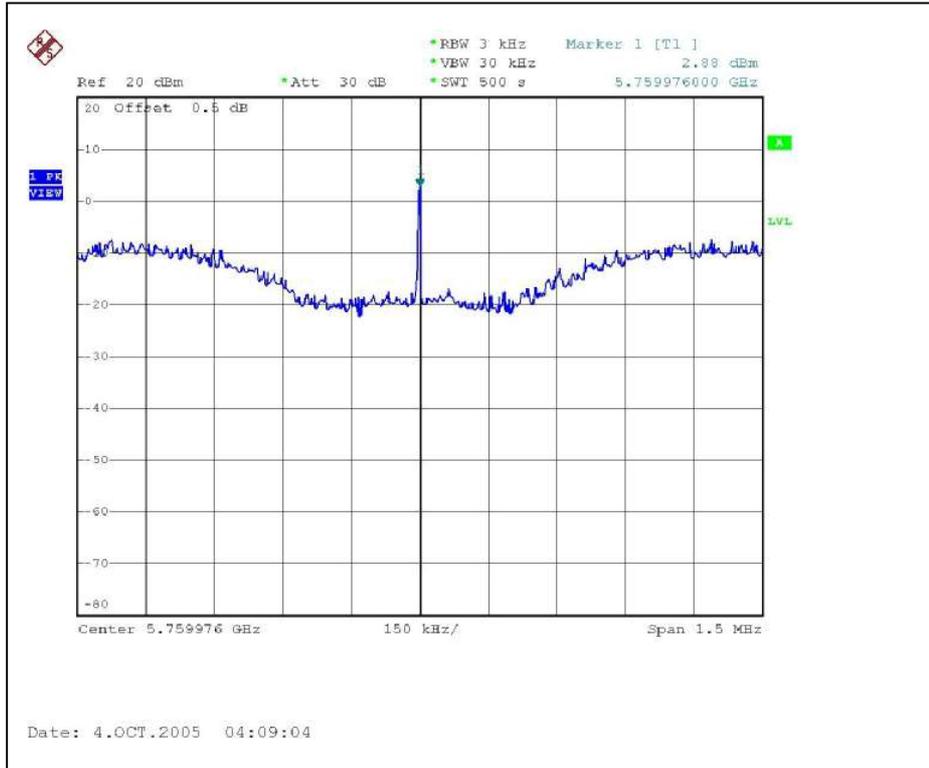
**802.11a Turbo OFDM modulation**

EUT	Aruba 80 a+b/g Outdoor Stand-alone Access Point / WDS Bridge Master		
MODEL	AP-80MB	TRANSFER RATE	12Mbps
MODULATION TYPE	BPSK	ENVIRONMENTAL CONDITIONS	27deg. C, 53%RH, 961hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Eric Lee

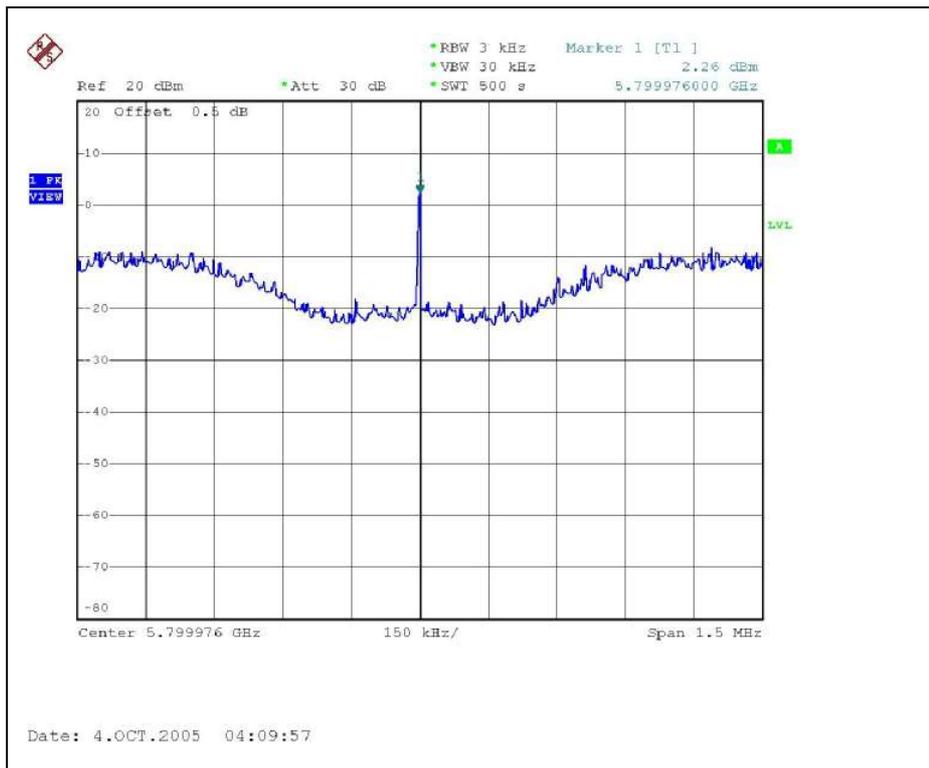
CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5760	2.88	8	PASS
2	5800	2.26	8	PASS



CH1



CH2



5.5.11 TEST RESULTS(ANTENNA 5)

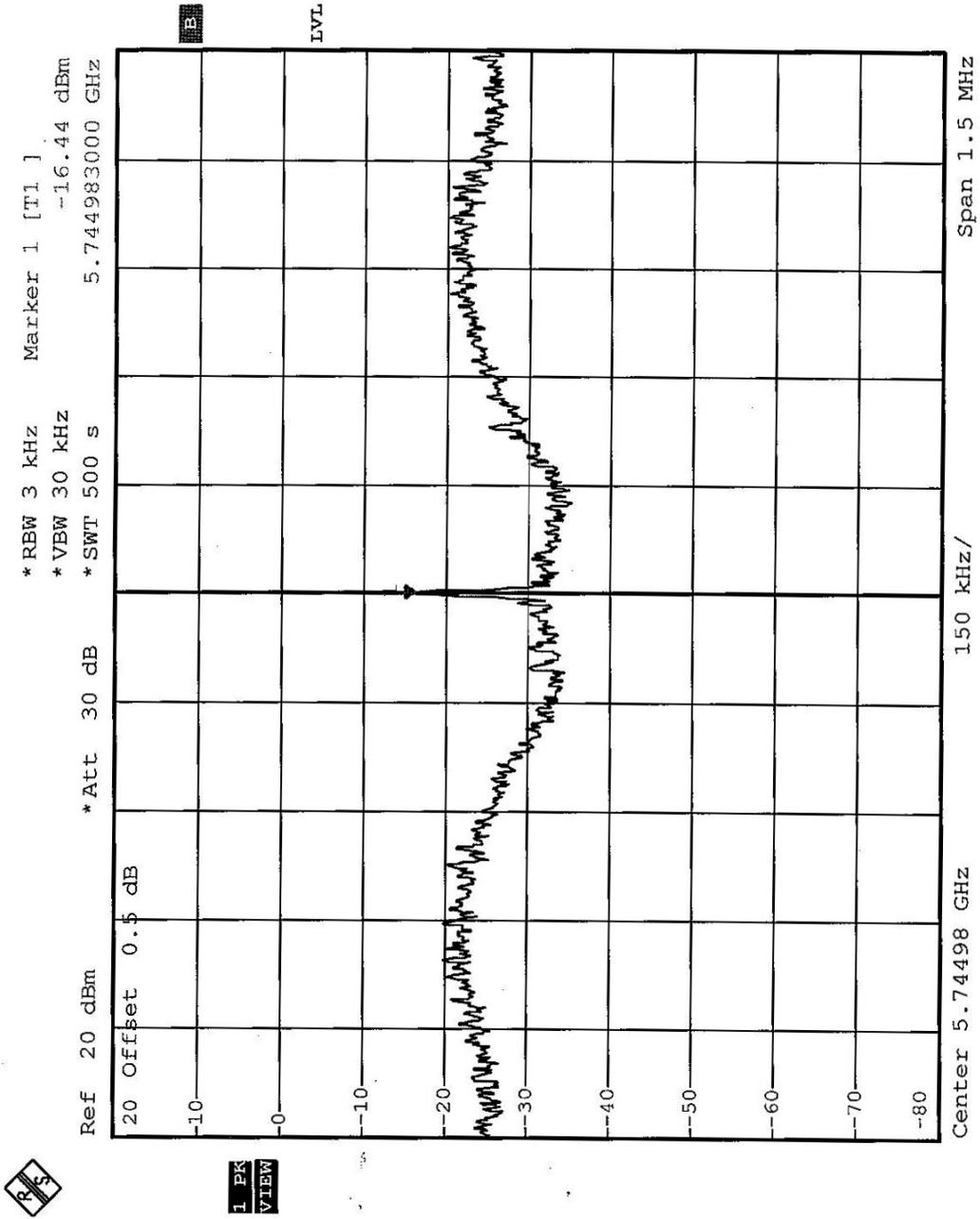
802.11a OFDM modulation

EUT	Aruba 80 a+b/g Outdoor Stand-alone Access Point / WDS Bridge Slave		
MODEL	AP-80SB	TRANSFER RATE	6Mbps
MODULATION TYPE	BPSK	ENVIRONMENTAL CONDITIONS	27deg. C, 53%RH, 961hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Eric Lee

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5745	-16.44	8	PASS
3	5785	-13.49	8	PASS
5	5825	-14.81	8	PASS

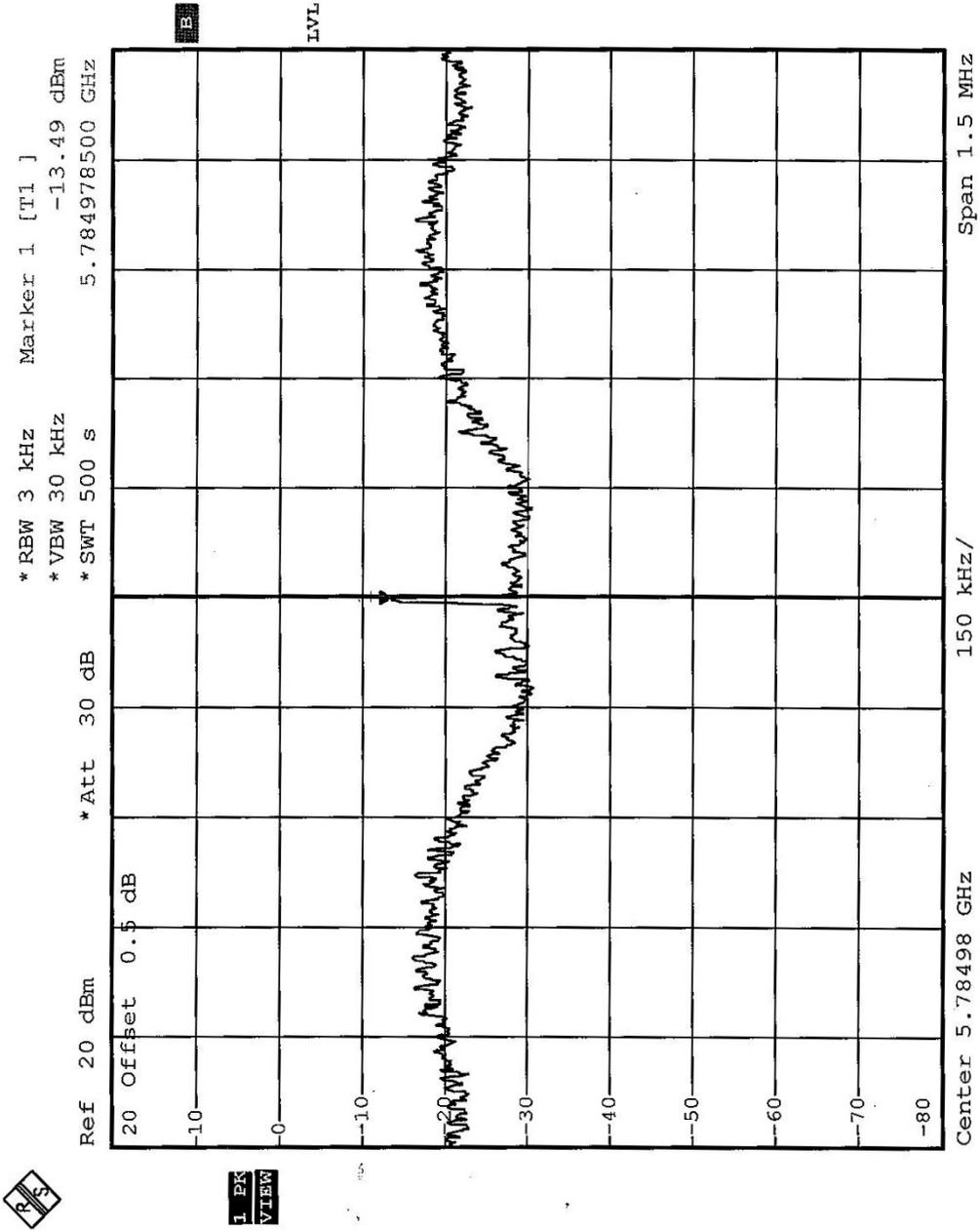


CH1



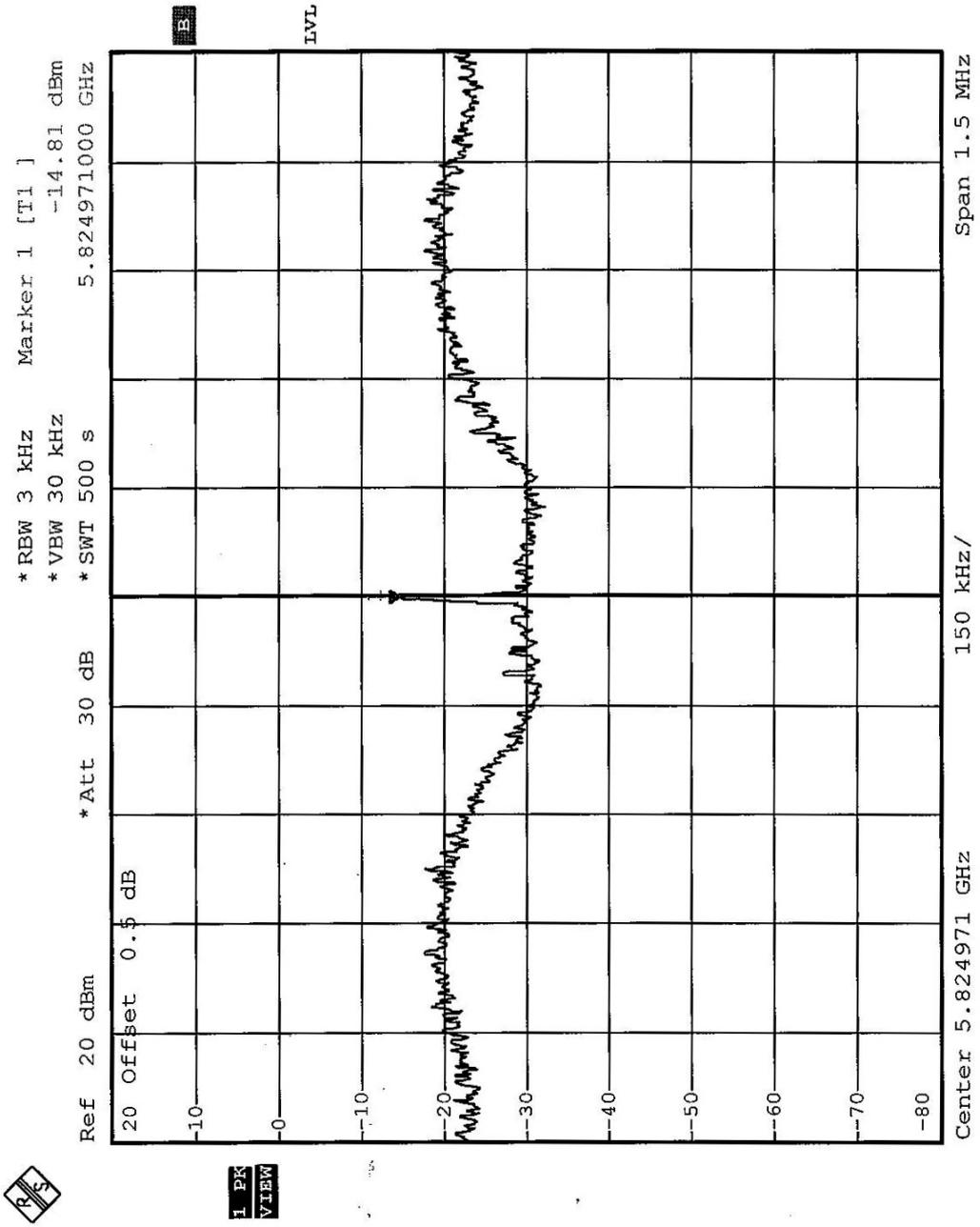


CH3





CH5



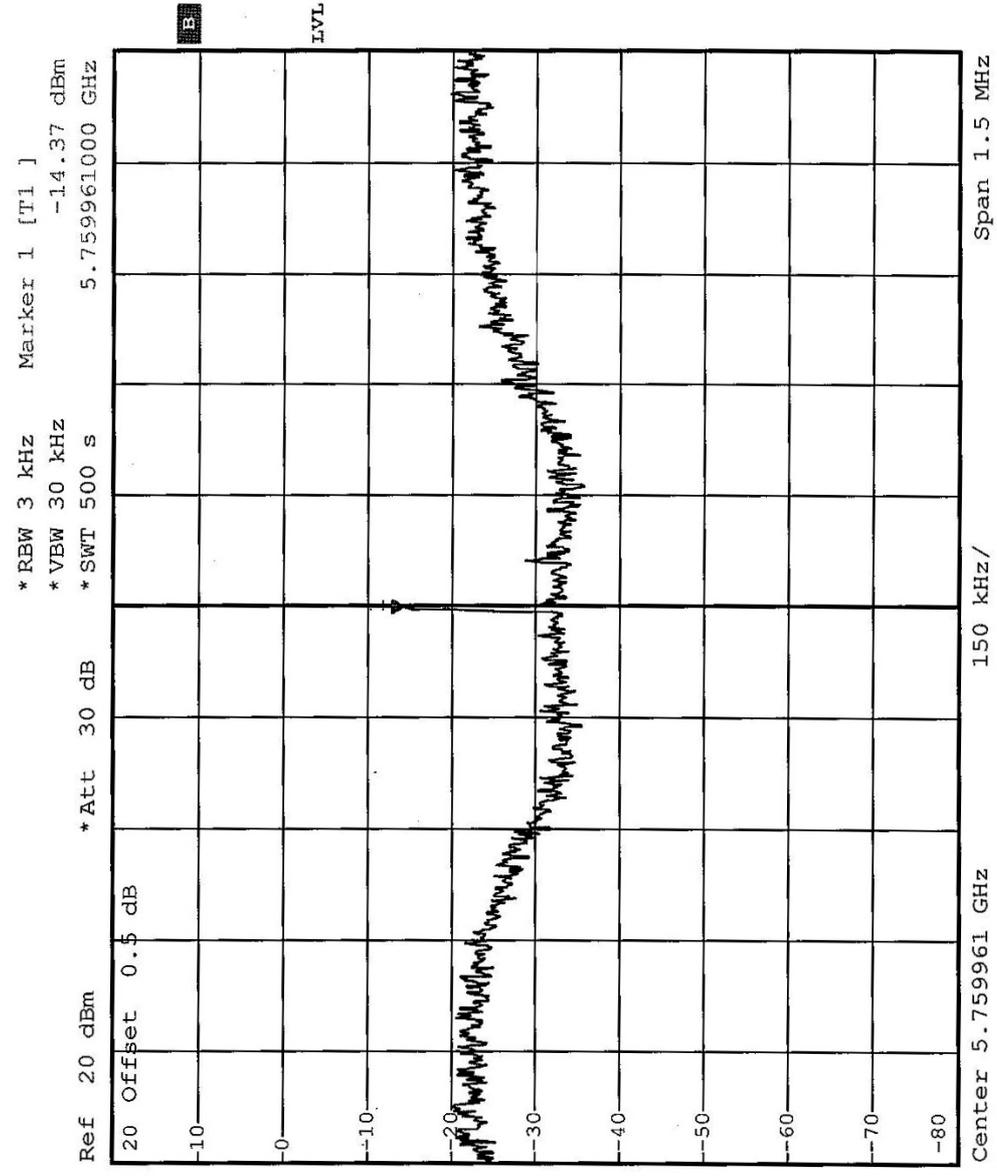
**802.11a Turbo OFDM modulation**

EUT	Aruba 80 a+b/g Outdoor Stand-alone Access Point / WDS Bridge Slave		
MODEL	AP-80SB	TRANSFER RATE	12Mbps
MODULATION TYPE	BPSK	ENVIRONMENTAL CONDITIONS	27deg. C, 53%RH, 961hPa
INPUT POWER (SYSTEM)	120Vac, 60 Hz	TESTED BY	Eric Lee

CHANNEL	CHANNEL FREQUENCY (MHz)	RF POWER LEVEL IN 3 kHz BW (dBm)	MAXIMUM LIMIT (dBm)	PASS/FAIL
1	5760	-14.37	8	PASS
2	5800	-11.99	8	PASS



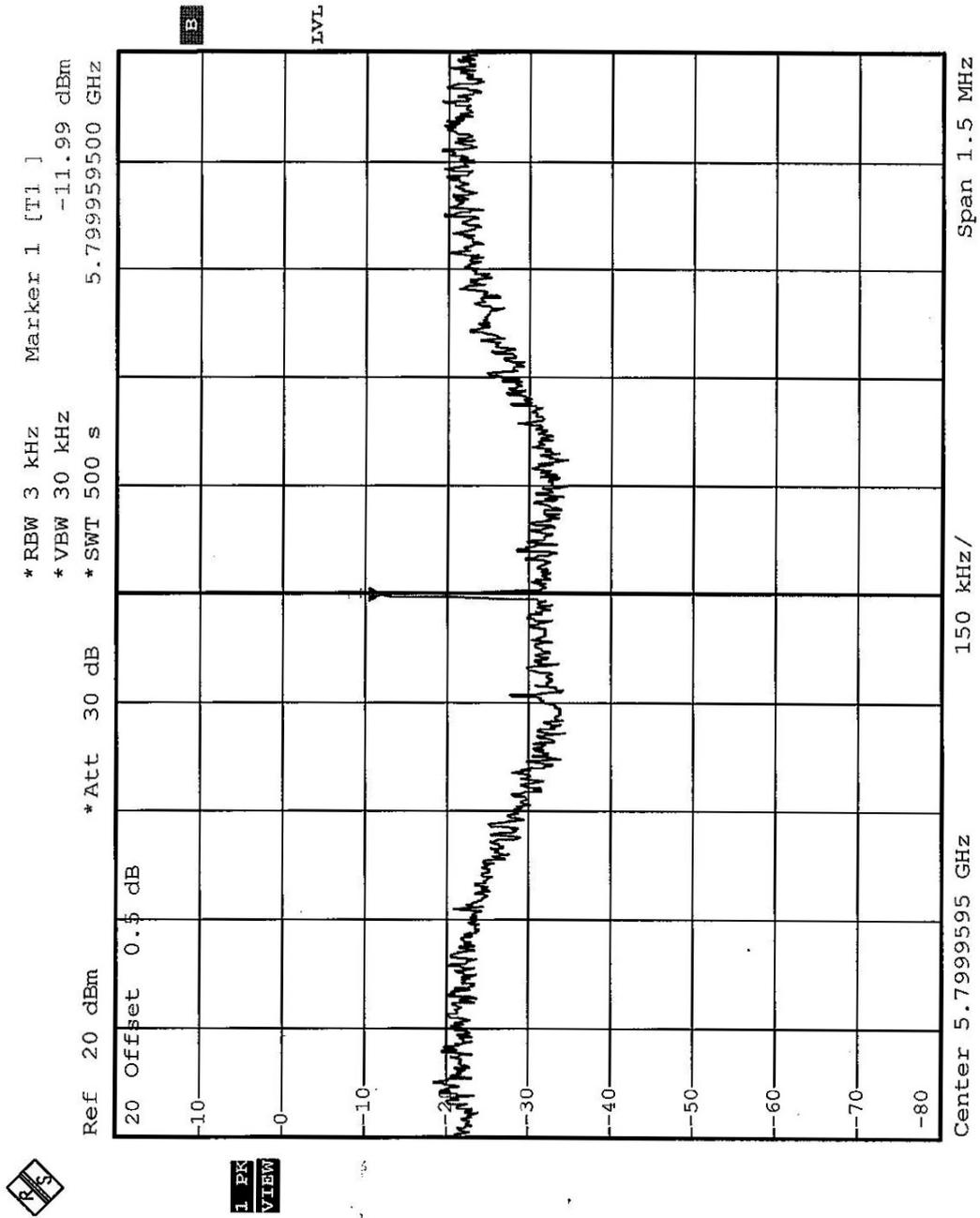
CH1



1 PK VIEW



CH2



1 PK VIEW

5.6 BAND EDGES MEASUREMENT

5.6.1 LIMITS OF BAND EDGES MEASUREMENT

Below -20dB of the highest emission level of operating band (in 100kHz Resolution Bandwidth).

5.6.2 TEST INSTRUMENTS

Description & Manufacturer	Model No.	Serial No.	Calibrated Until
R&S SPECTRUM ANALYZER	FSP40	100036	Nov. 23, 2005

NOTE:

- 1.The measurement uncertainty is less than $\pm 2.6\text{dB}$, which is calculated as per the NAMAS document NIS81.
- 2.The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.



5.6.3 TEST PROCEDURE

The transmitter output was connected to the spectrum analyzer via a low loss cable. Set both RBW and VBW of spectrum analyzer to 100 kHz with suitable frequency span including 100 MHz bandwidth from band edge. The band edges was measured and recorded.

5.6.4 DEVIATION FROM TEST STANDARD

No deviation

5.6.5 EUT OPERATING CONDITION

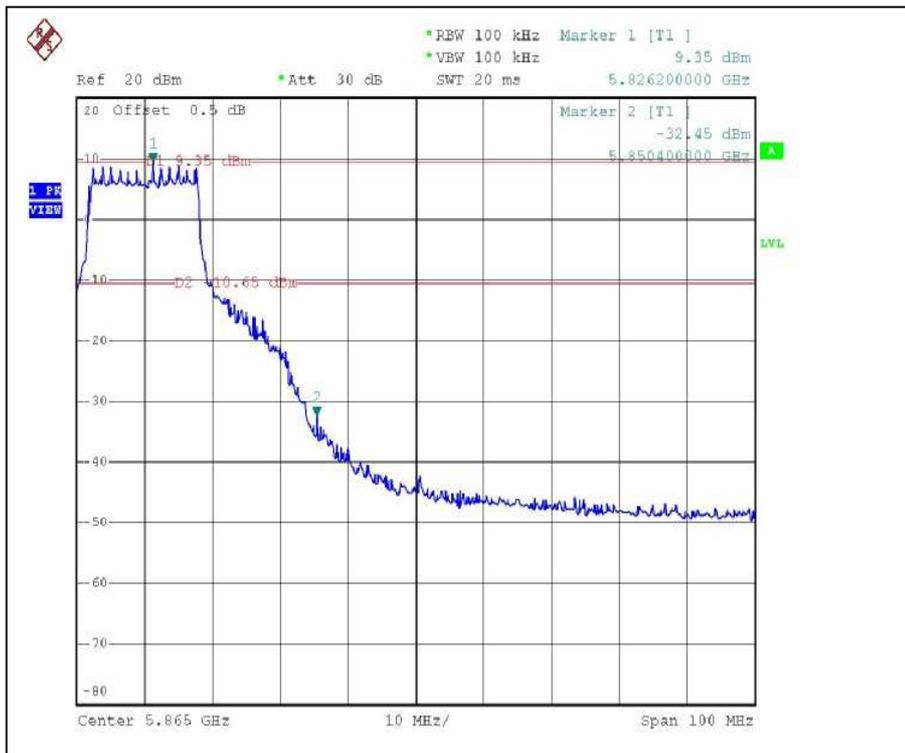
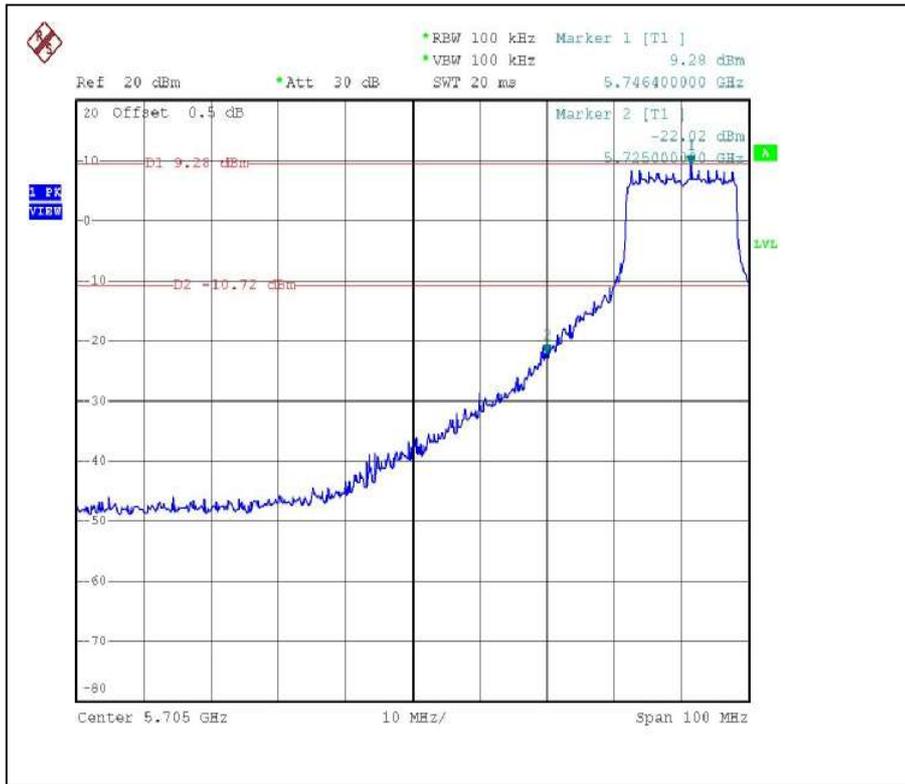
Same as Item 4.3.6



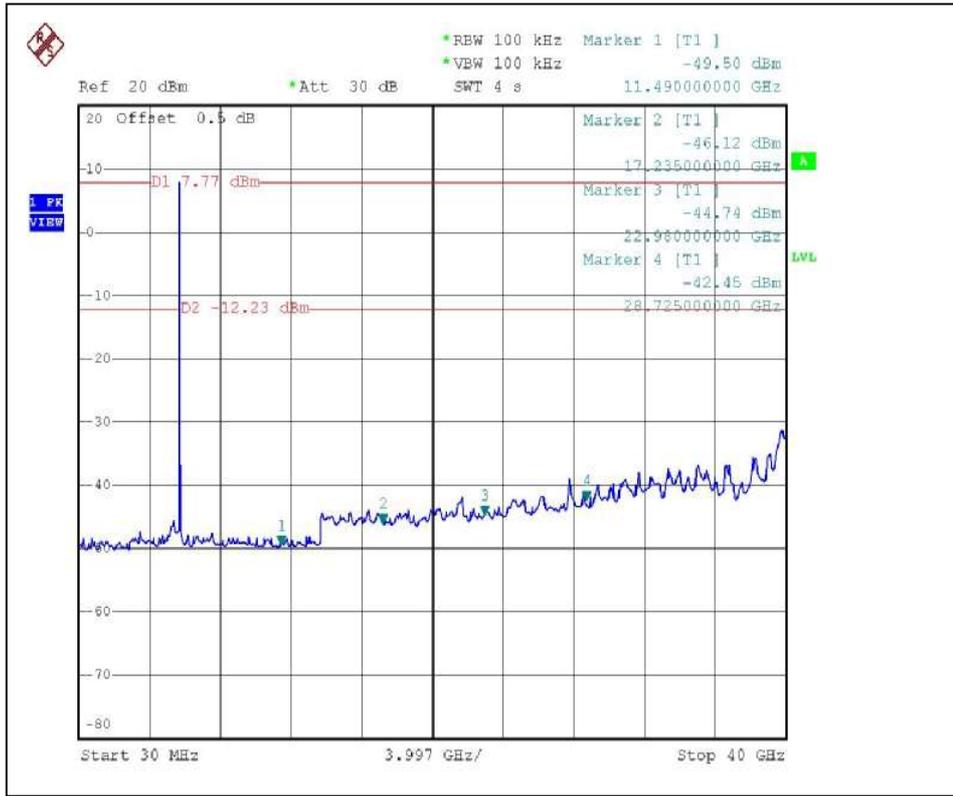
5.6.6 TEST RESULTS (ANTENNA 1)

The spectrum plots are attached on the following pages. D2 line indicates the highest level, D1 line indicates the 20dB offset below D2. It shows compliance with the requirement in part 15.247(d).

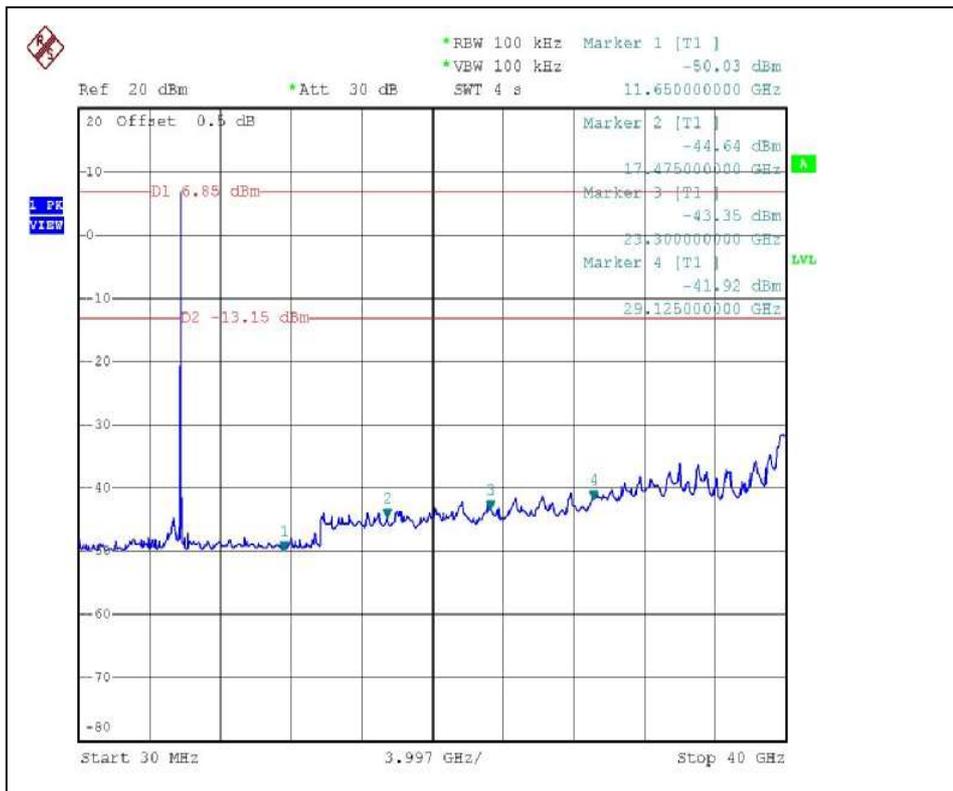
802.11a OFDM modulation



CH 1

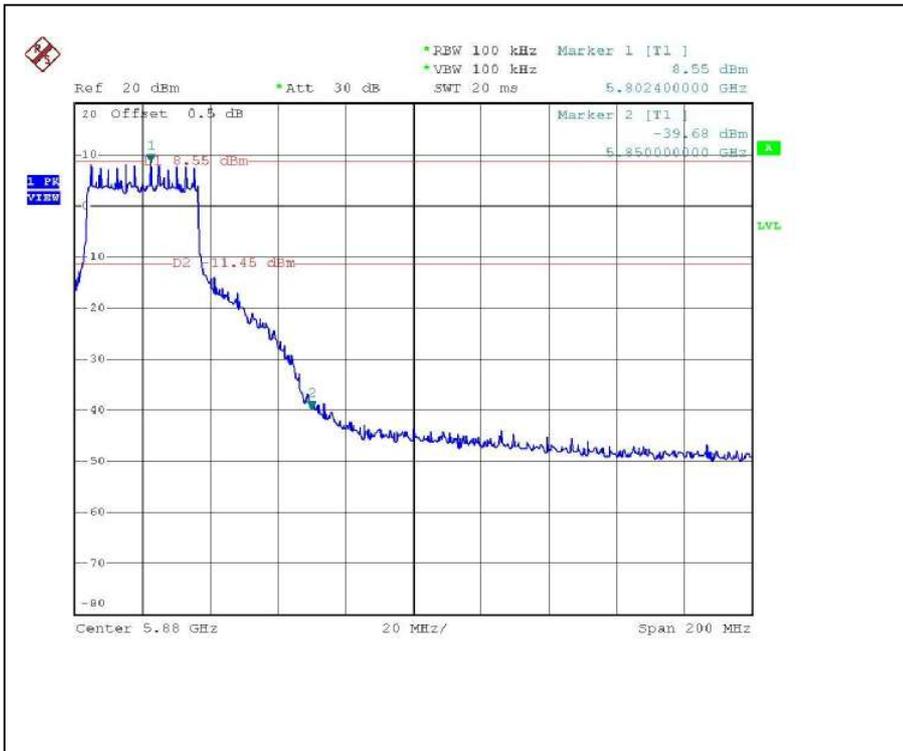
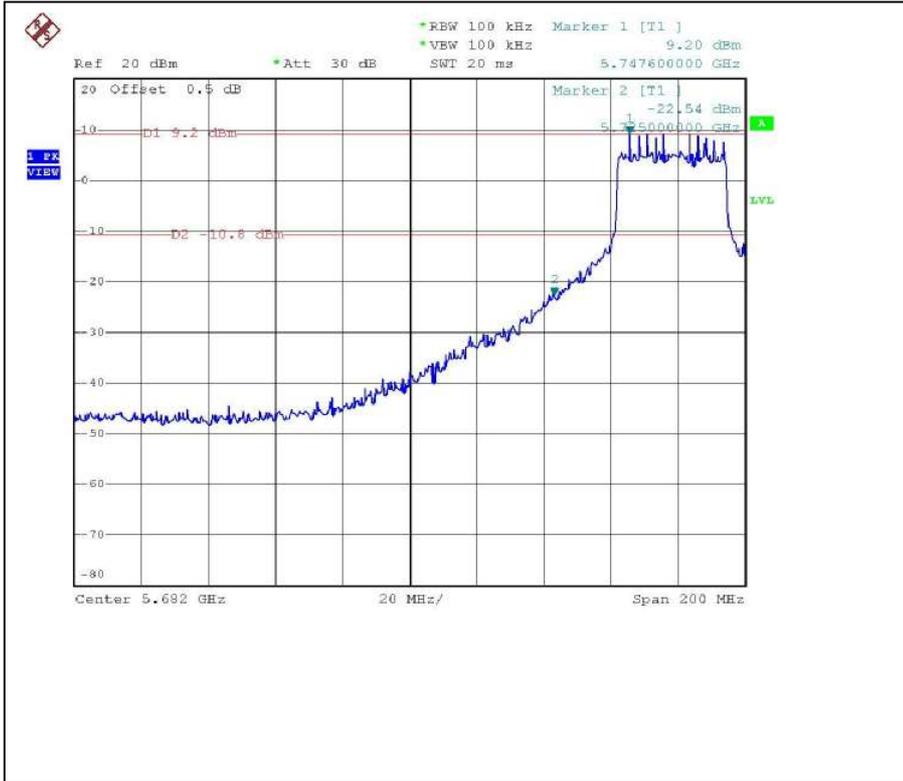


CH 5

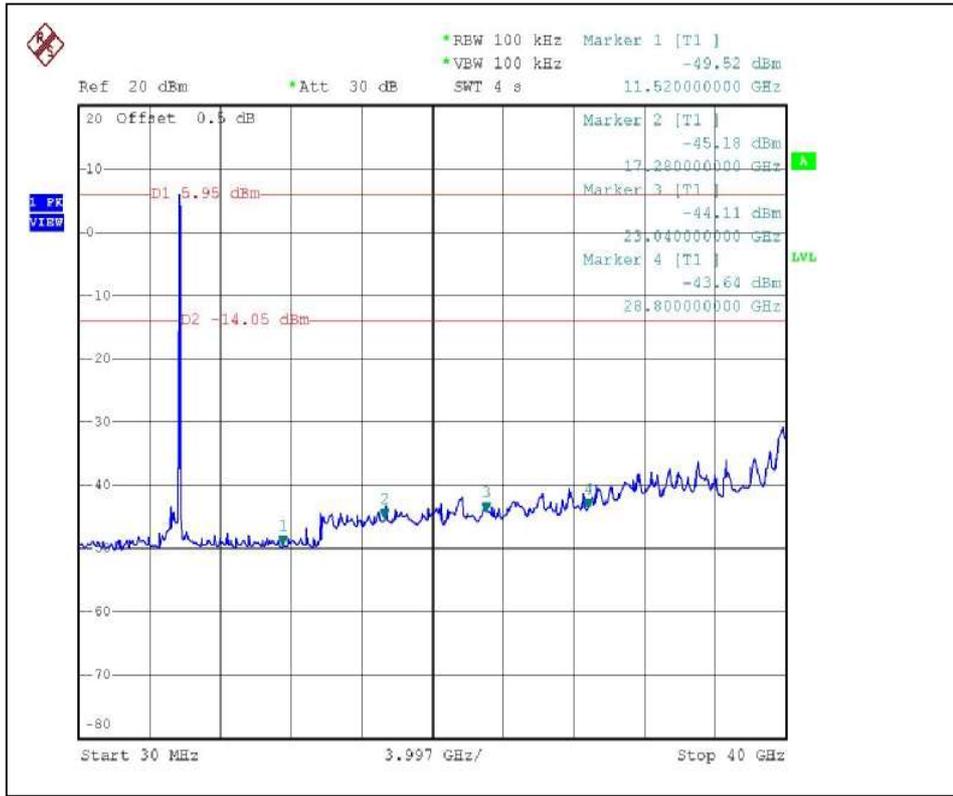




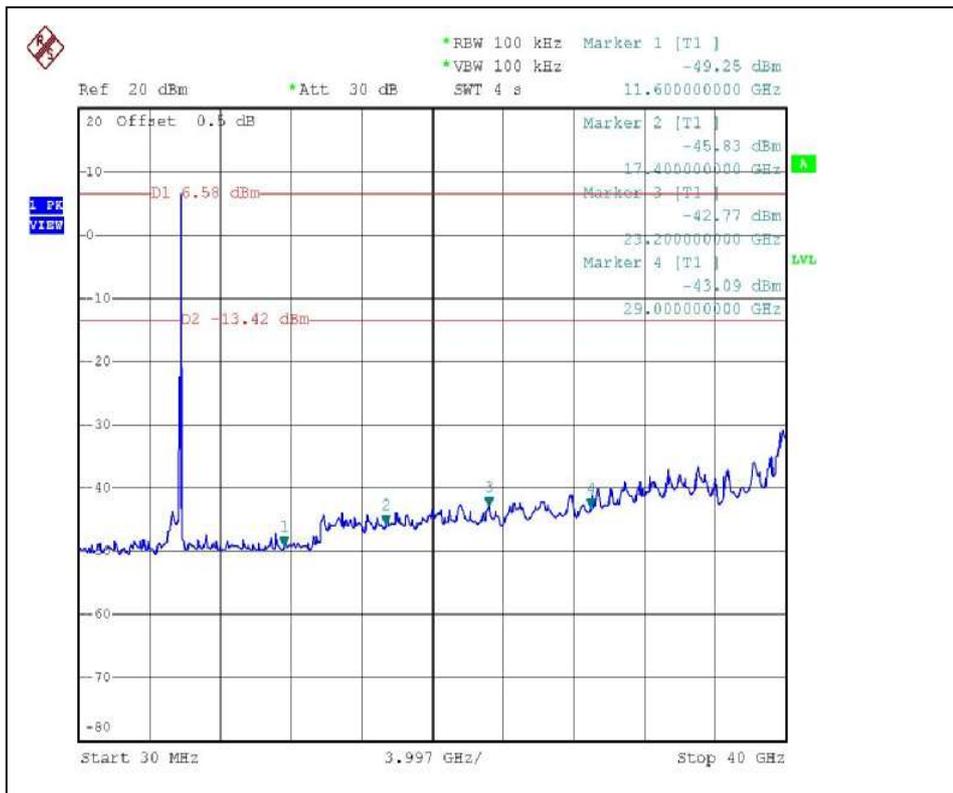
802.11a Turbo OFDM modulation



Turbo CH 1



Turbo CH 2

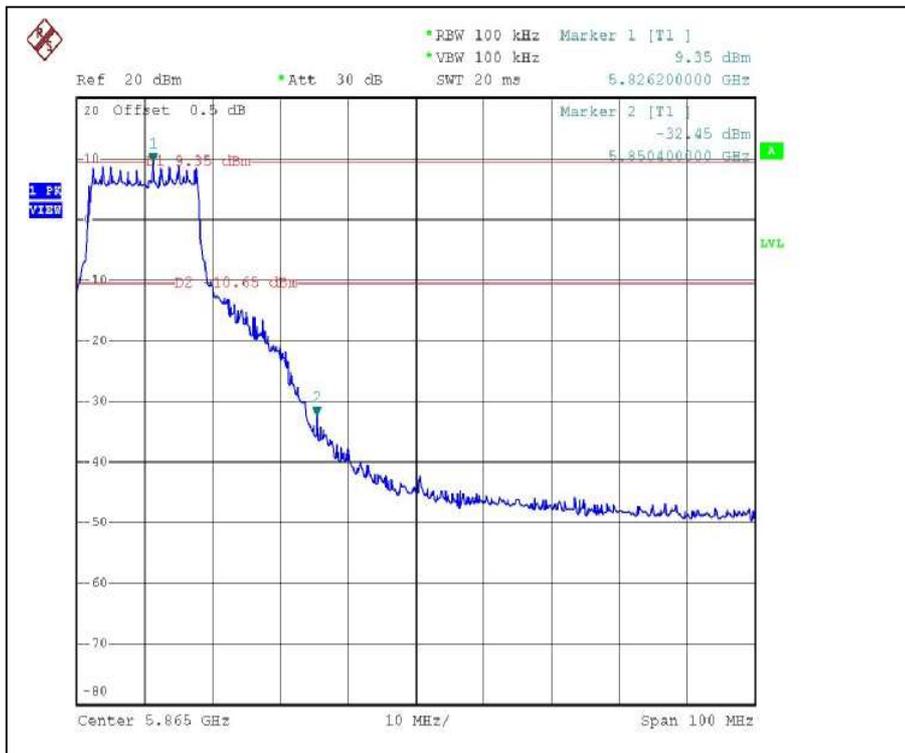
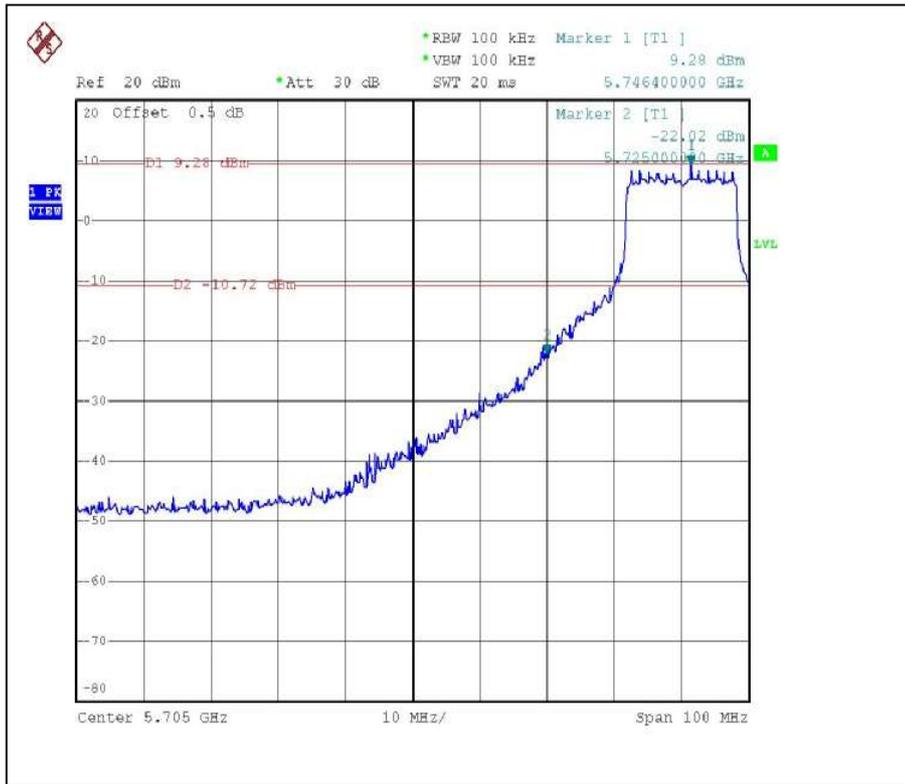




5.6.7 TEST RESULTS (ANTENNA 2)

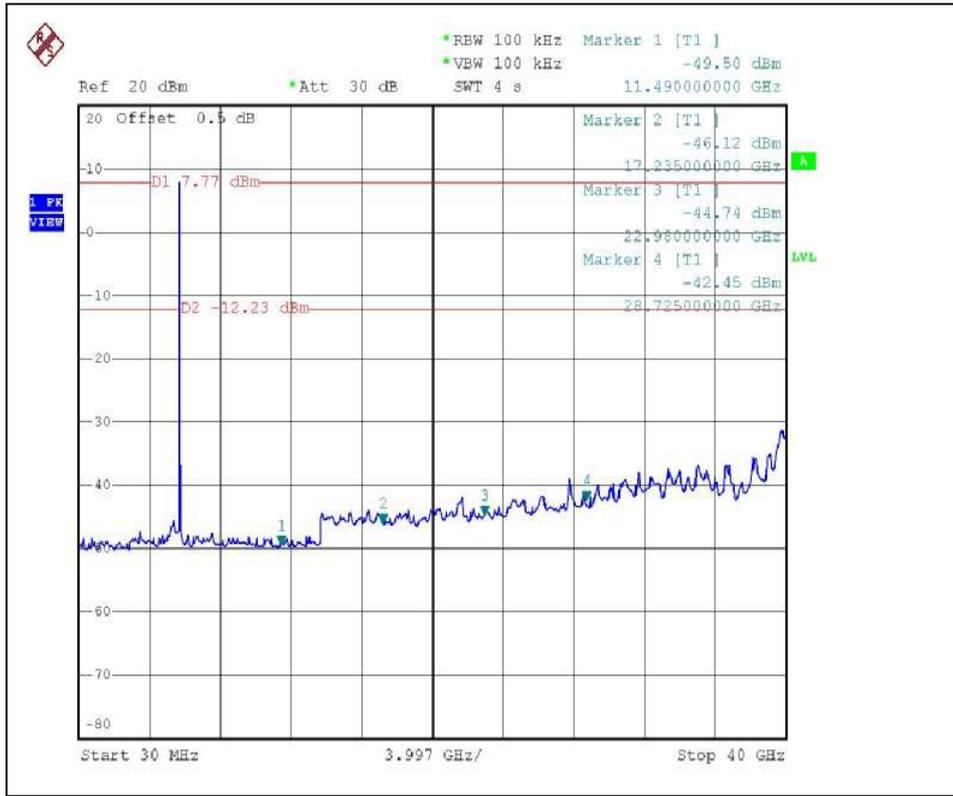
The spectrum plots are attached on the following pages. D2 line indicates the highest level, D1 line indicates the 20dB offset below D2. It shows compliance with the requirement in part 15.247(d).

802.11a OFDM modulation

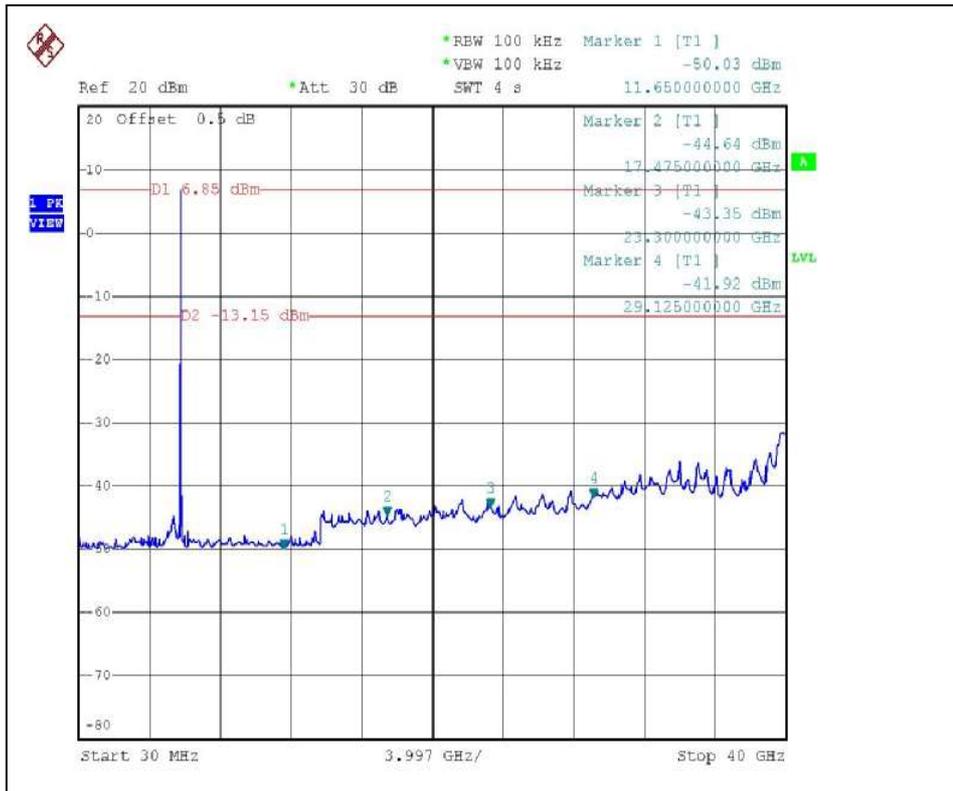




CH 1

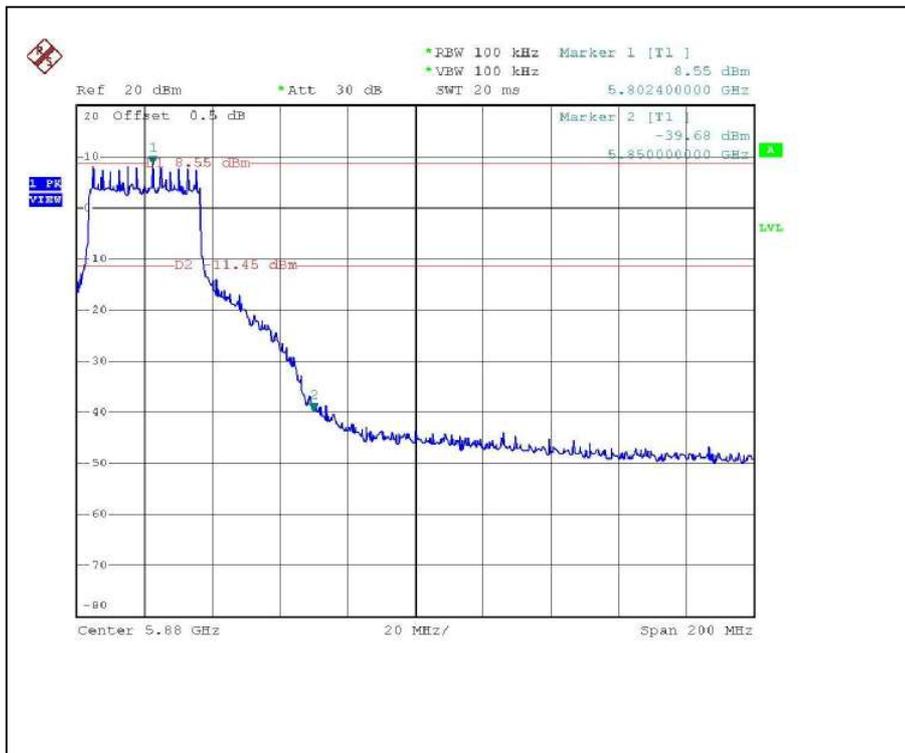
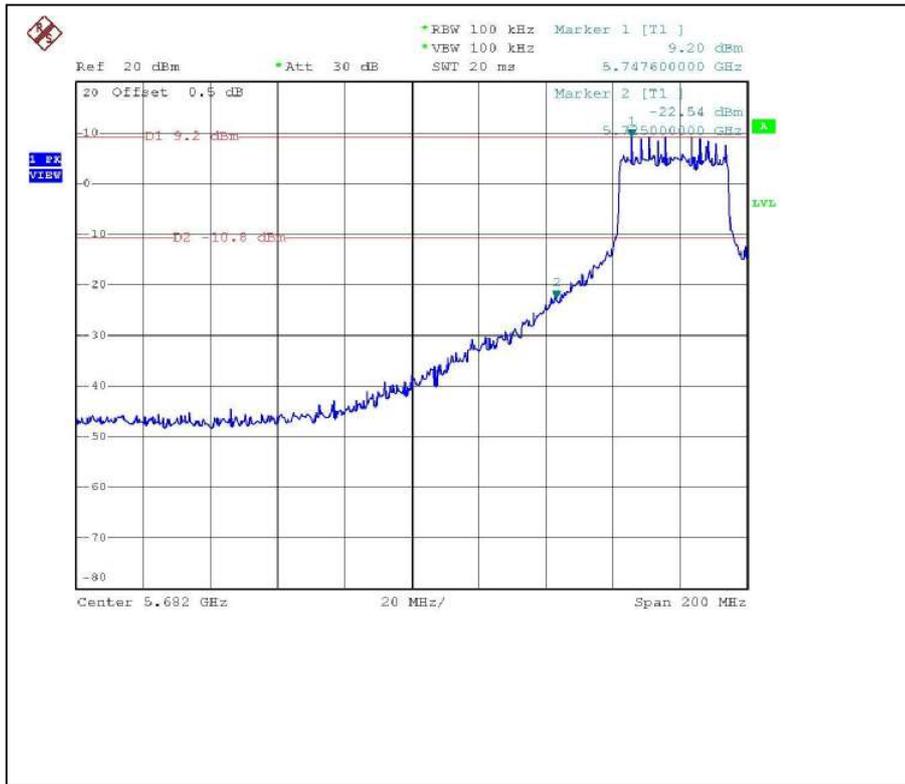


CH 5



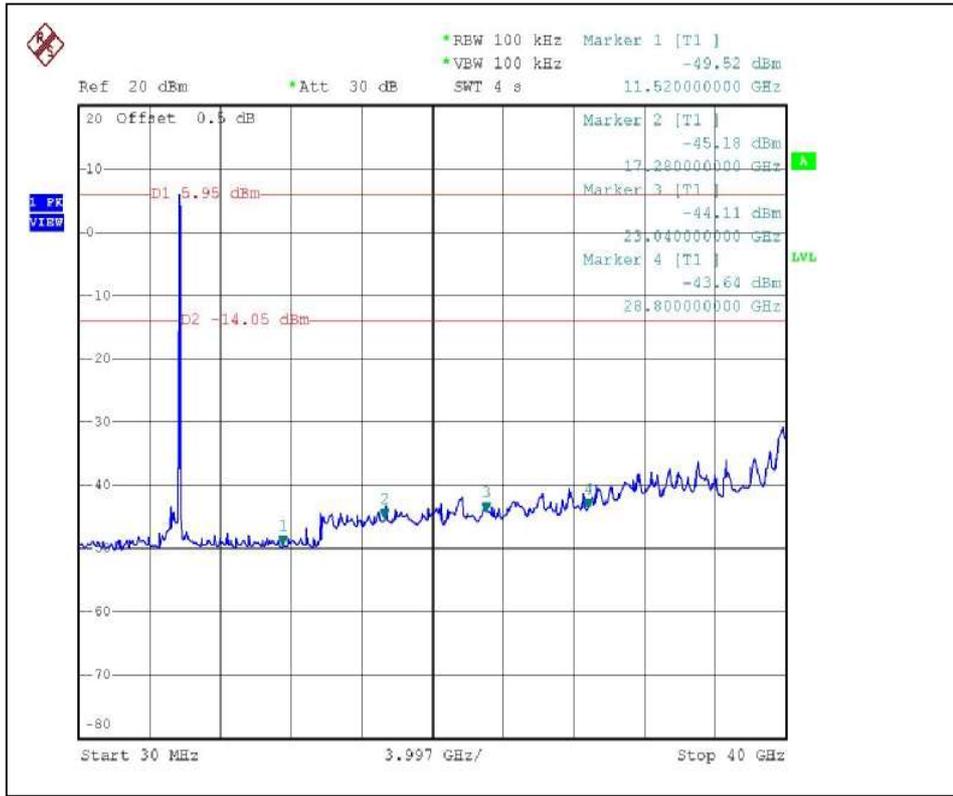


802.11a Turbo OFDM modulation

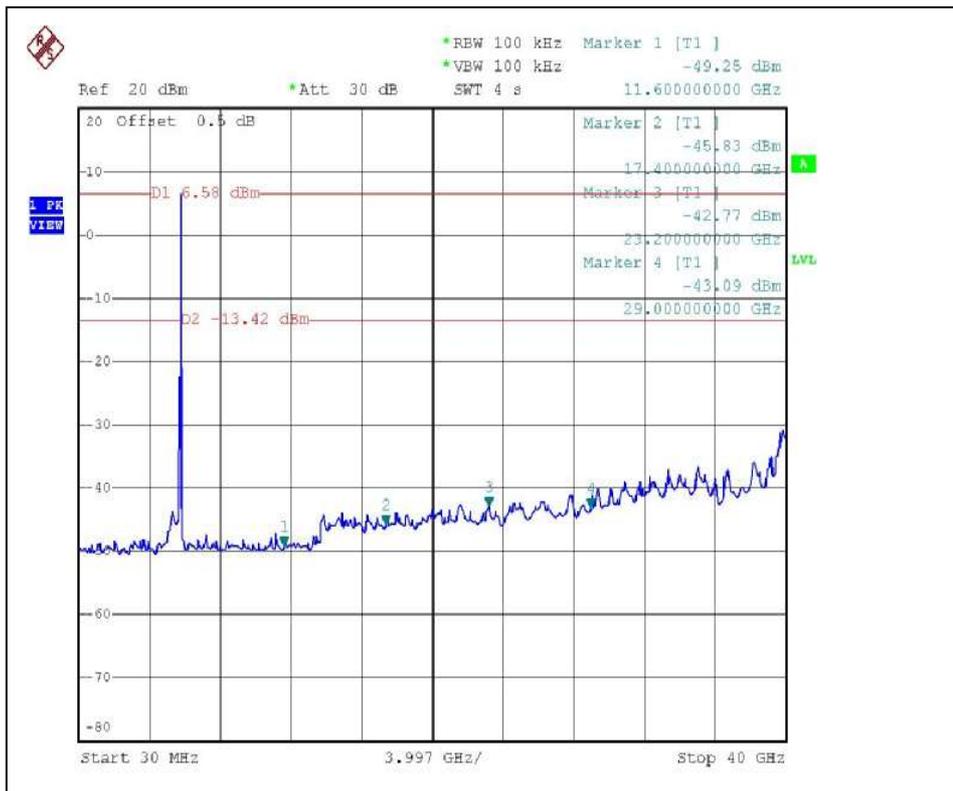




Turbo CH 1



Turbo CH 2





5.6.8 TEST RESULTS (ANTENNA 3)

The spectrum plots are attached on the following pages. D2 line indicates the highest level, D1 line indicates the 20dB offset below D2. It shows compliance with the requirement in part 15.247(d).