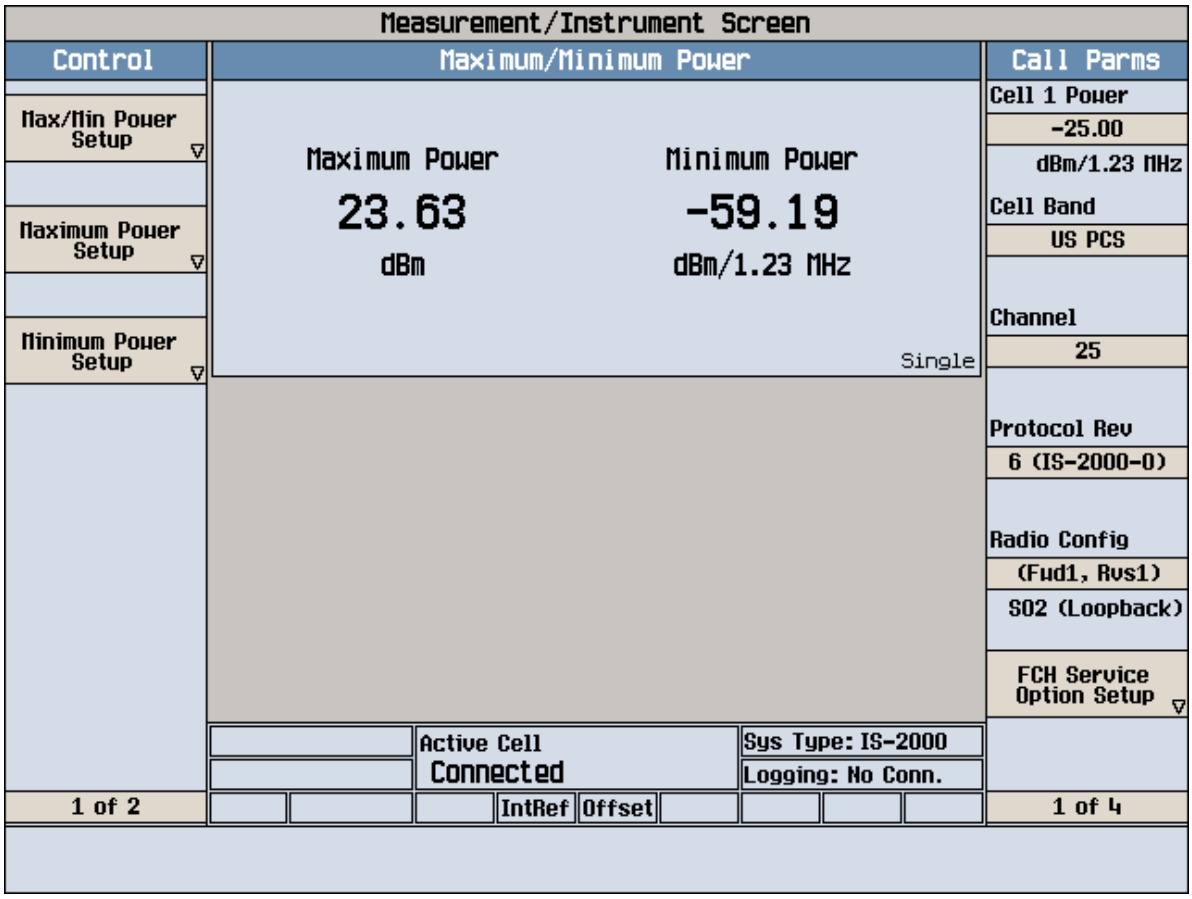
Appendix A

Effective Radiated Power of Transmitter

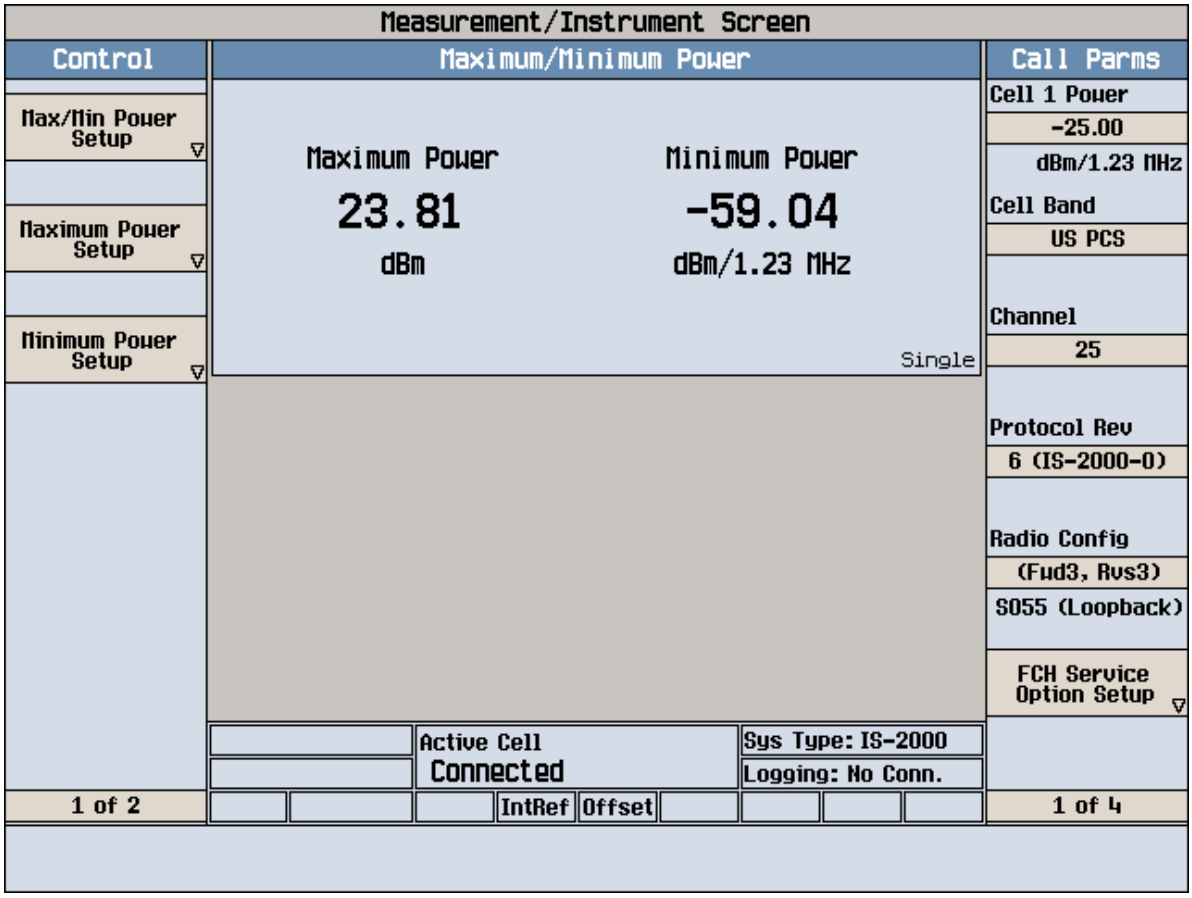
According to FCC Part 2.1046 & 24.232

Channel 25

TM1:

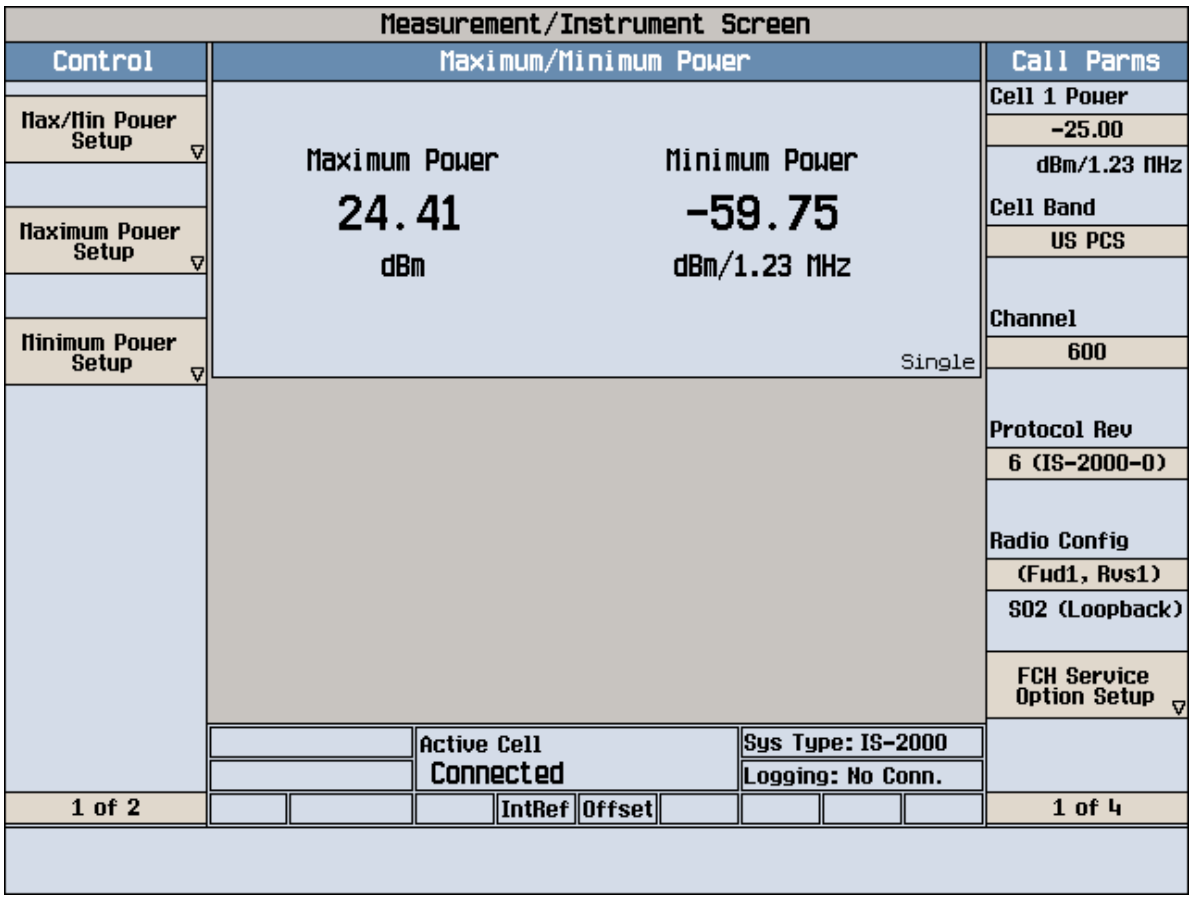


TM3:

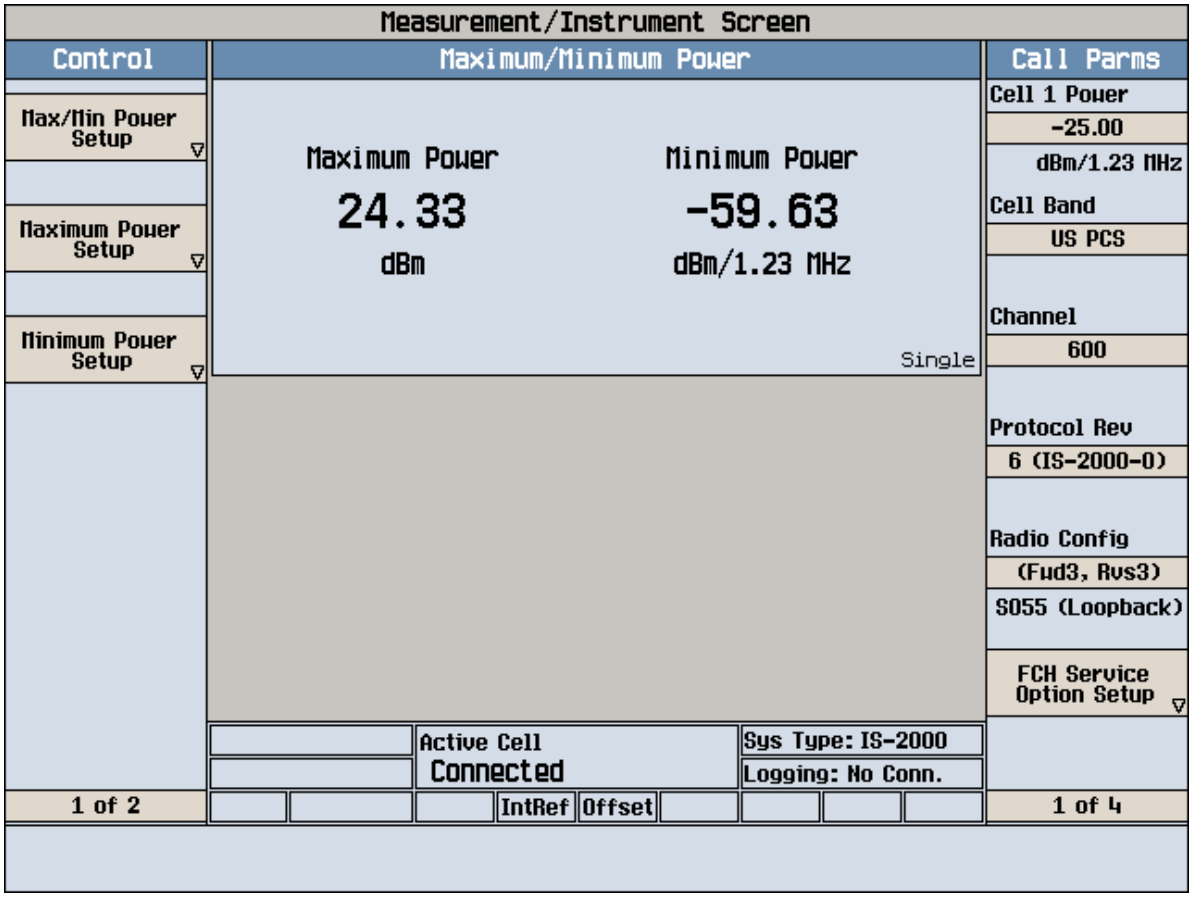

Measurement/Instrument Screen
Control
Maximum/Minimum Power
Call Parms
Max/Min Power Setup
Maximum Power Setup
Minimum Power Setup
Maximum Power
23.81
dBm
Minimum Power
-59.04
dBm/1.23 MHz
Single
Cell 1 Power
-25.00
dBm/1.23 MHz
Cell Band
US PCS
Channel
25
Protocol Rev
6 (IS-2000-0)
Radio Config
(Fwd3, Rvs3)
S055 (Loopback)
FCH Service Option Setup
Active Cell
Connected
Sys Type: IS-2000
Logging: No Conn.
IntRef
Offset
1 of 2
1 of 4

Channel 600

TM1:

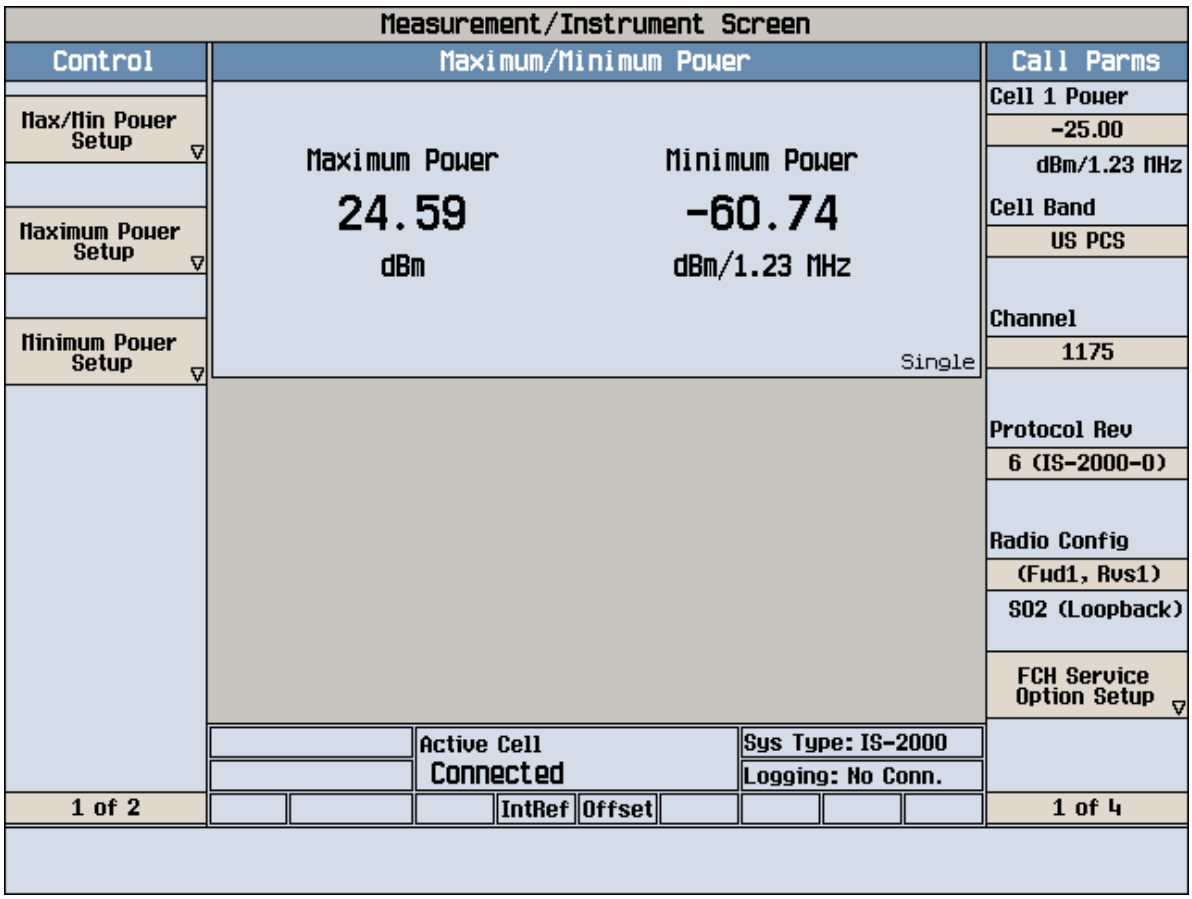


TM3:

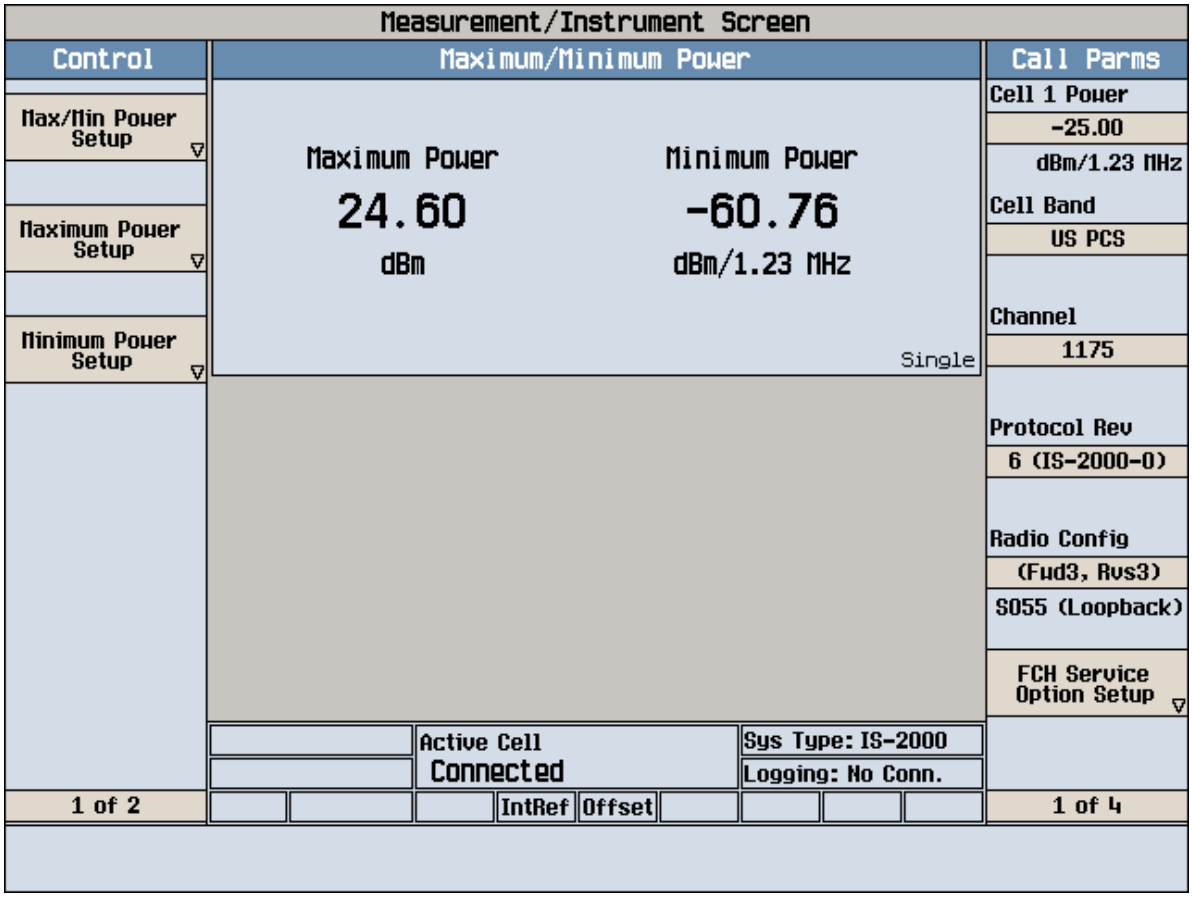

Measurement/Instrument Screen
Control
Maximum/Minimum Power
Call Parms
Max/Min Power Setup
Maximum Power Setup
Minimum Power Setup
Maximum Power
24.33
dBm
Minimum Power
-59.63
dBm/1.23 MHz
Single
Cell 1 Power
-25.00
dBm/1.23 MHz
Cell Band
US PCS
Channel
600
Protocol Rev
6 (IS-2000-0)
Radio Config
(Fwd3, Rvs3)
S055 (Loopback)
FCH Service Option Setup
Active Cell
Connected
Sys Type: IS-2000
Logging: No Conn.
IntRef
Offset
1 of 2
1 of 4

Channel 1175

TM1:



TM3:

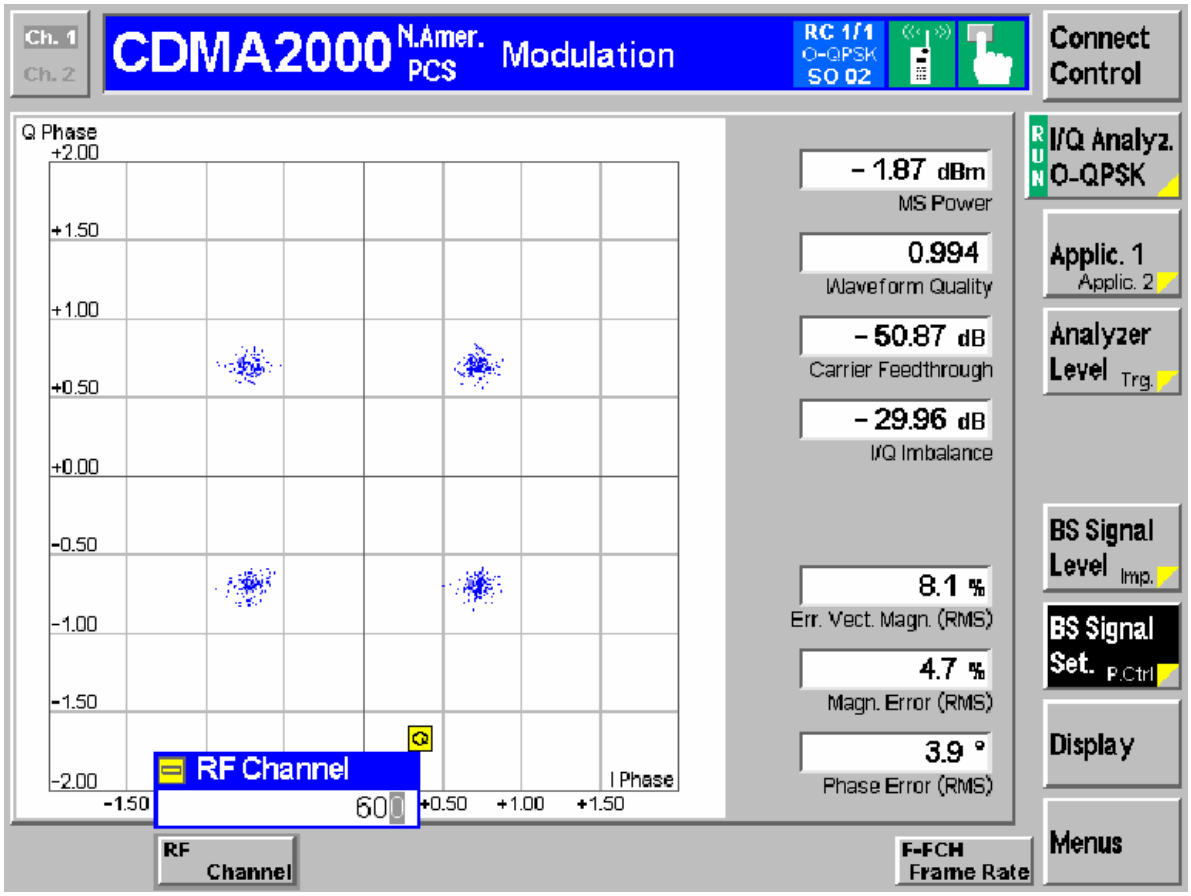

Measurement/Instrument Screen
Control
Maximum/Minimum Power
Call Parms
Max/Min Power Setup
Maximum Power Setup
Minimum Power Setup
Maximum Power
24.60
dBm
Minimum Power
-60.76
dBm/1.23 MHz
Single
Cell 1 Power
-25.00
dBm/1.23 MHz
Cell Band
US PCS
Channel
1175
Protocol Rev
6 (IS-2000-0)
Radio Config
(Fwd3, Rvs3)
S055 (Loopback)
FCH Service Option Setup
Active Cell
Connected
Sys Type: IS-2000
Logging: No Conn.
1 of 2
IntRef
Offset
1 of 4

Appendix B

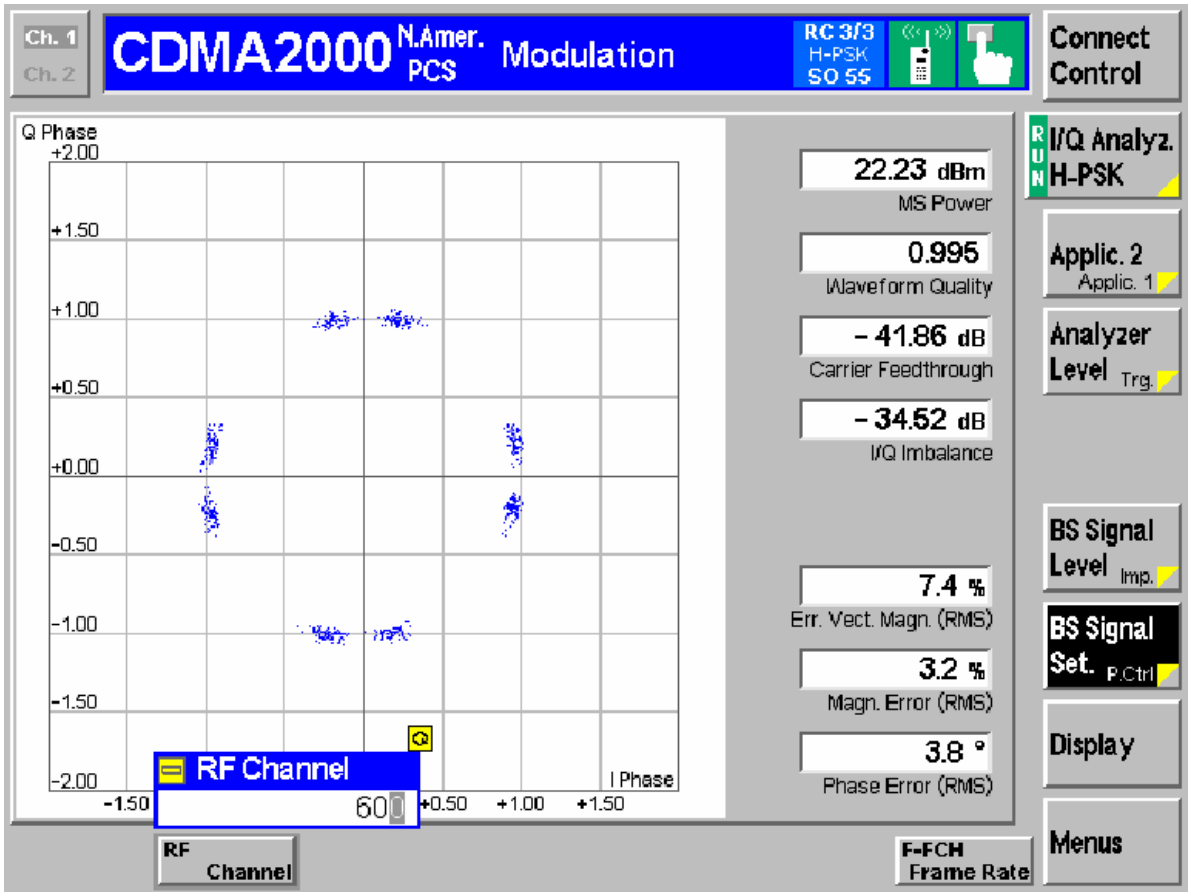
Modulation Characteristics

According to FCC Part 2.1047& Part 24 Subpart E

Channel 600（TM1）



Channel 600（TM3）

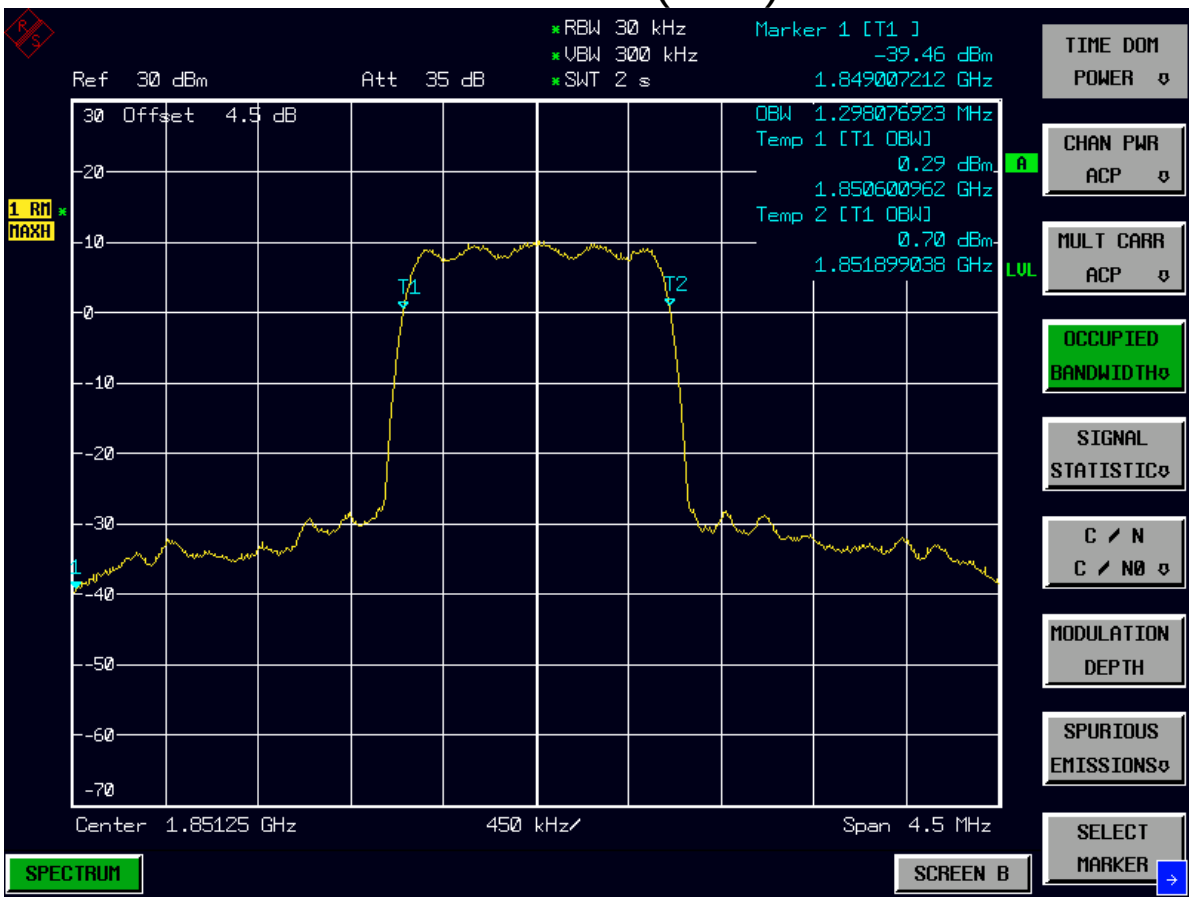


Appendix C

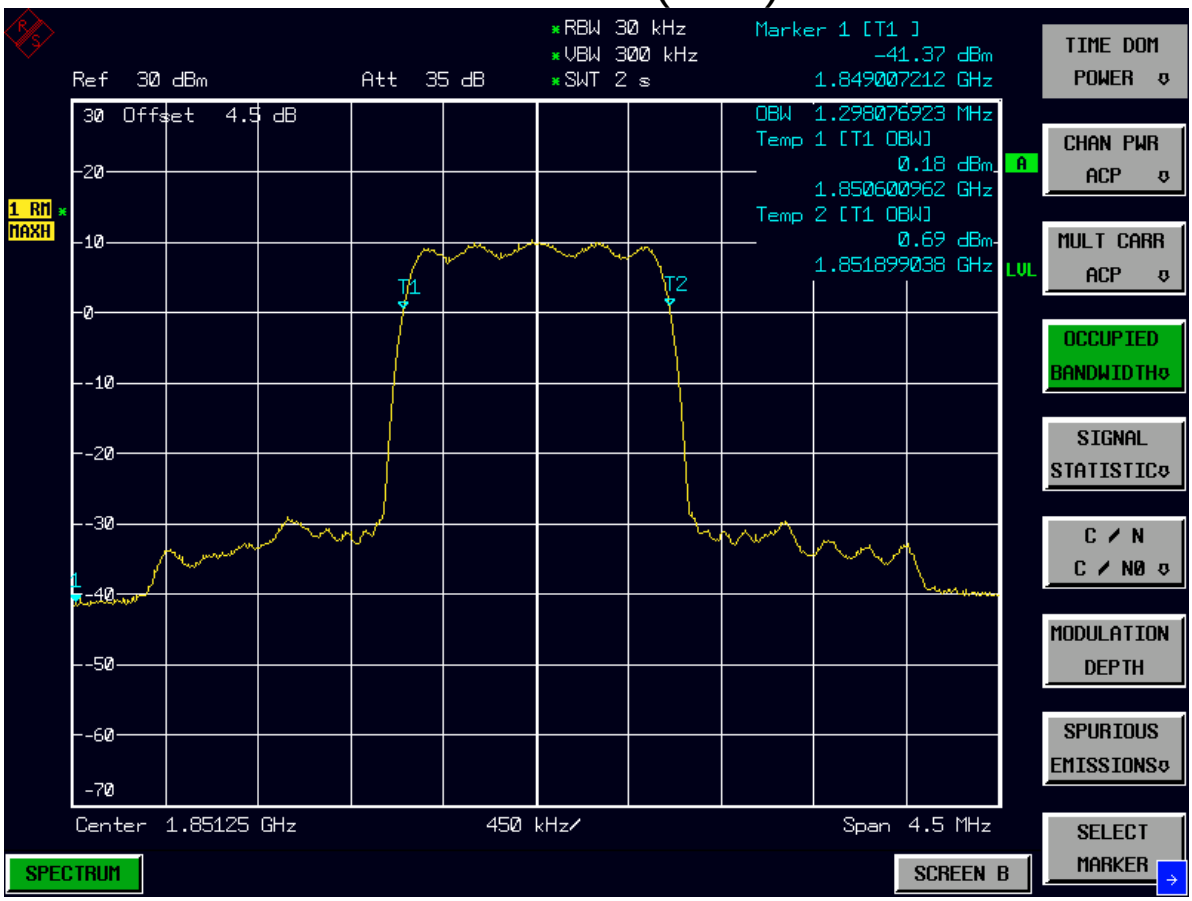
Occupied Bandwidth

According to FCC Part 2.1049& Part 24 Subpart E

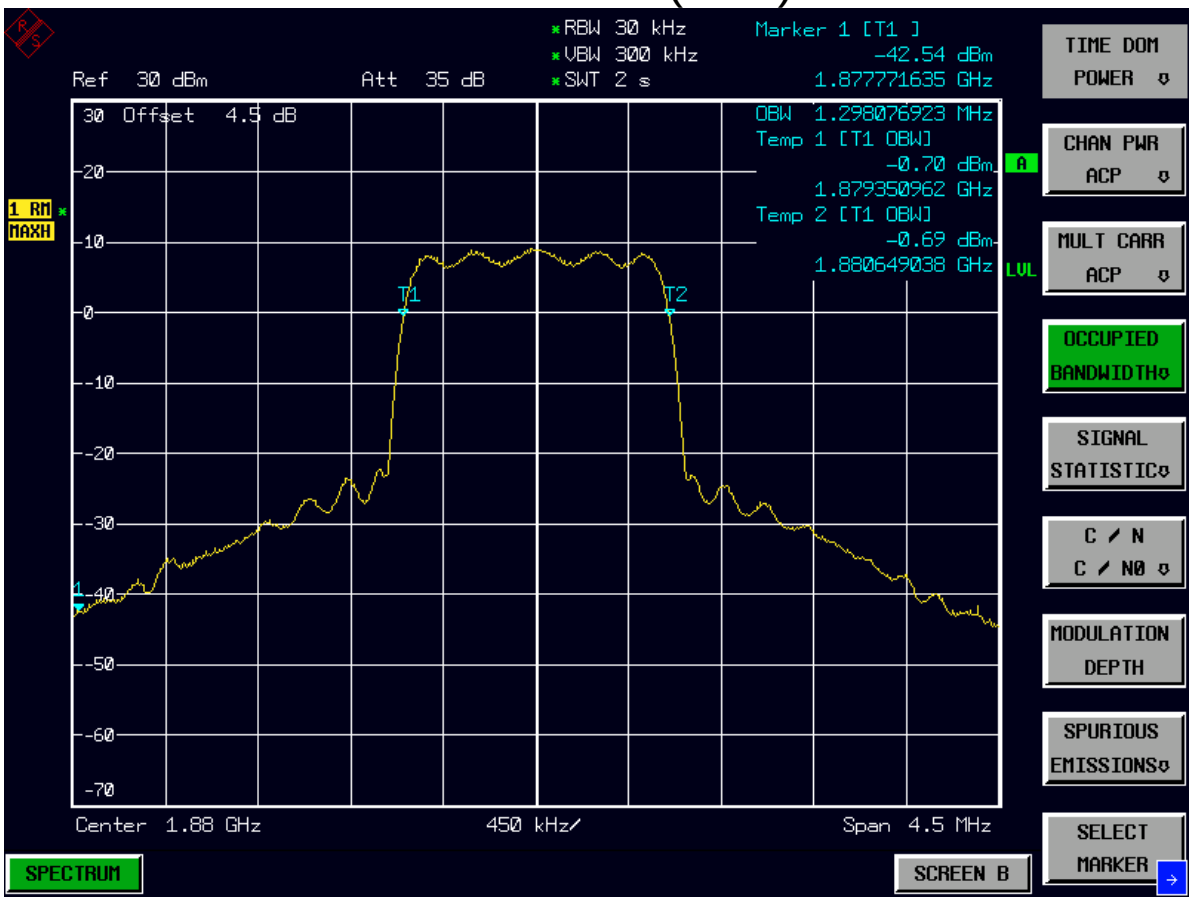
Channel 25(TM1)



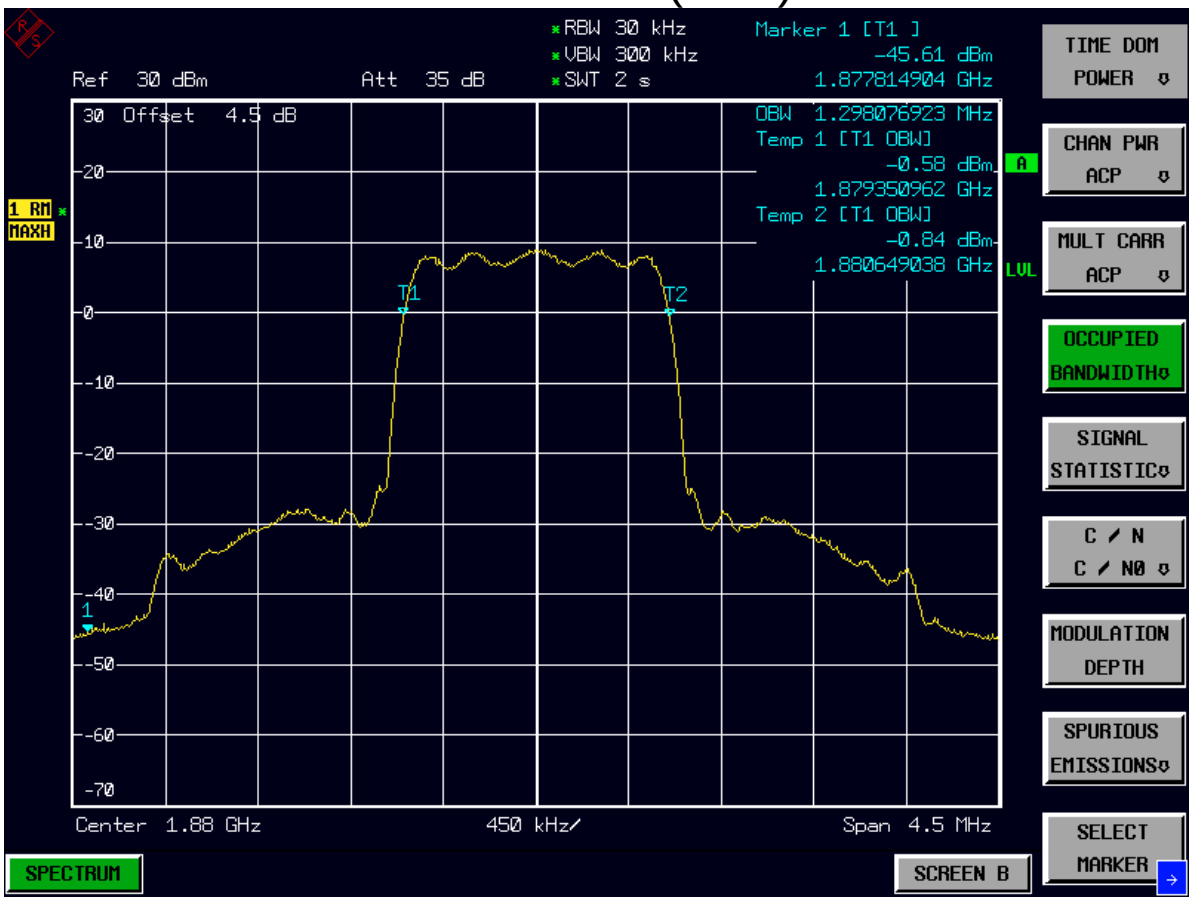
Channel 25(TM3)



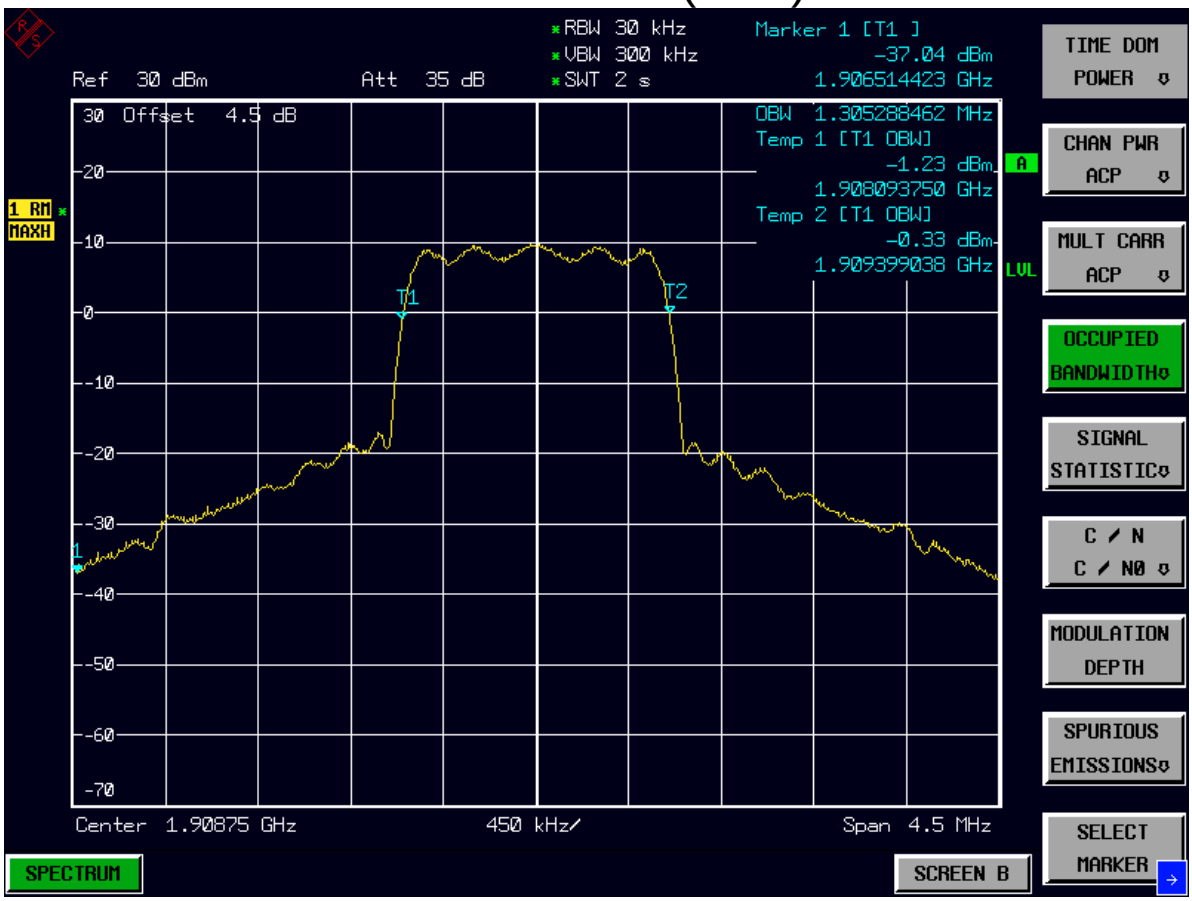
Channel 600(TM1)



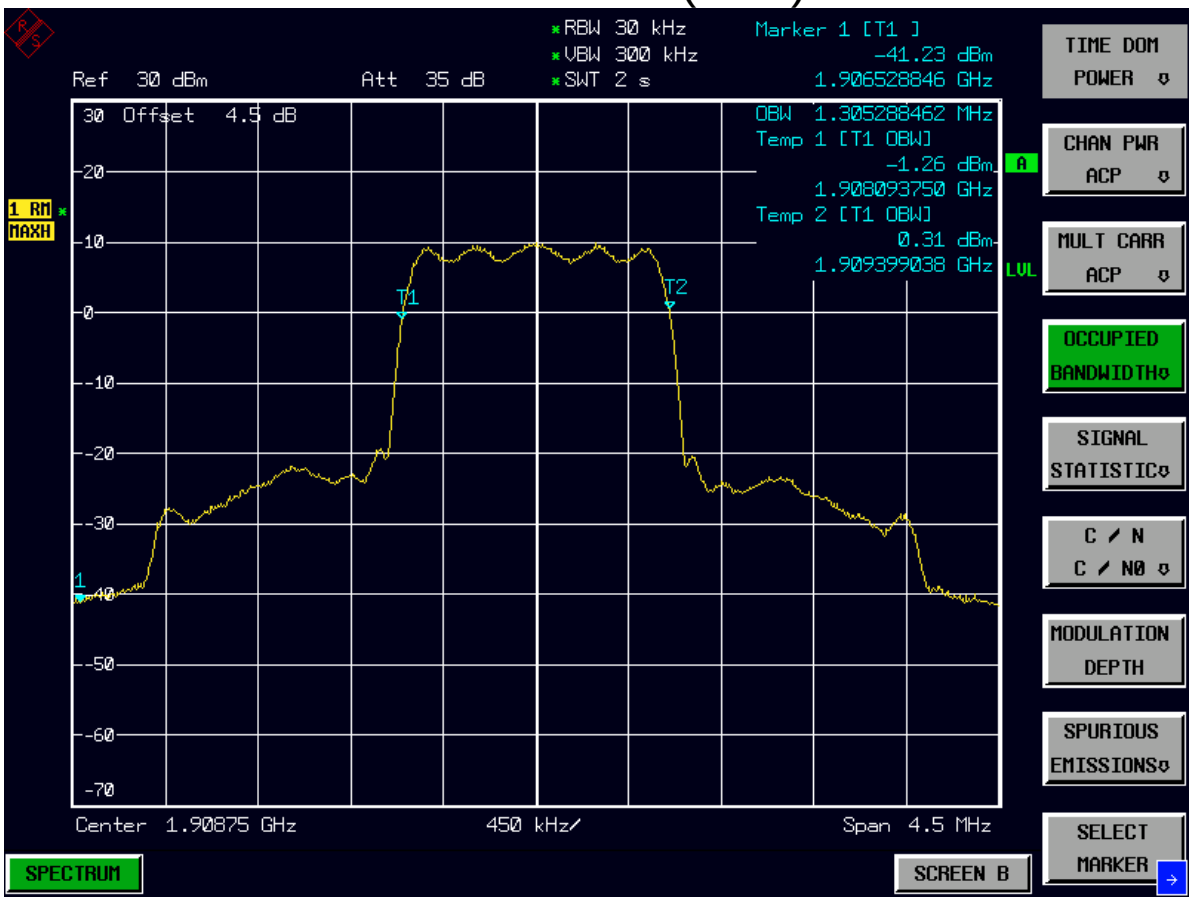
Channel 600(TM3)



Channel 1175(TM1)



Channel 1175(TM3)



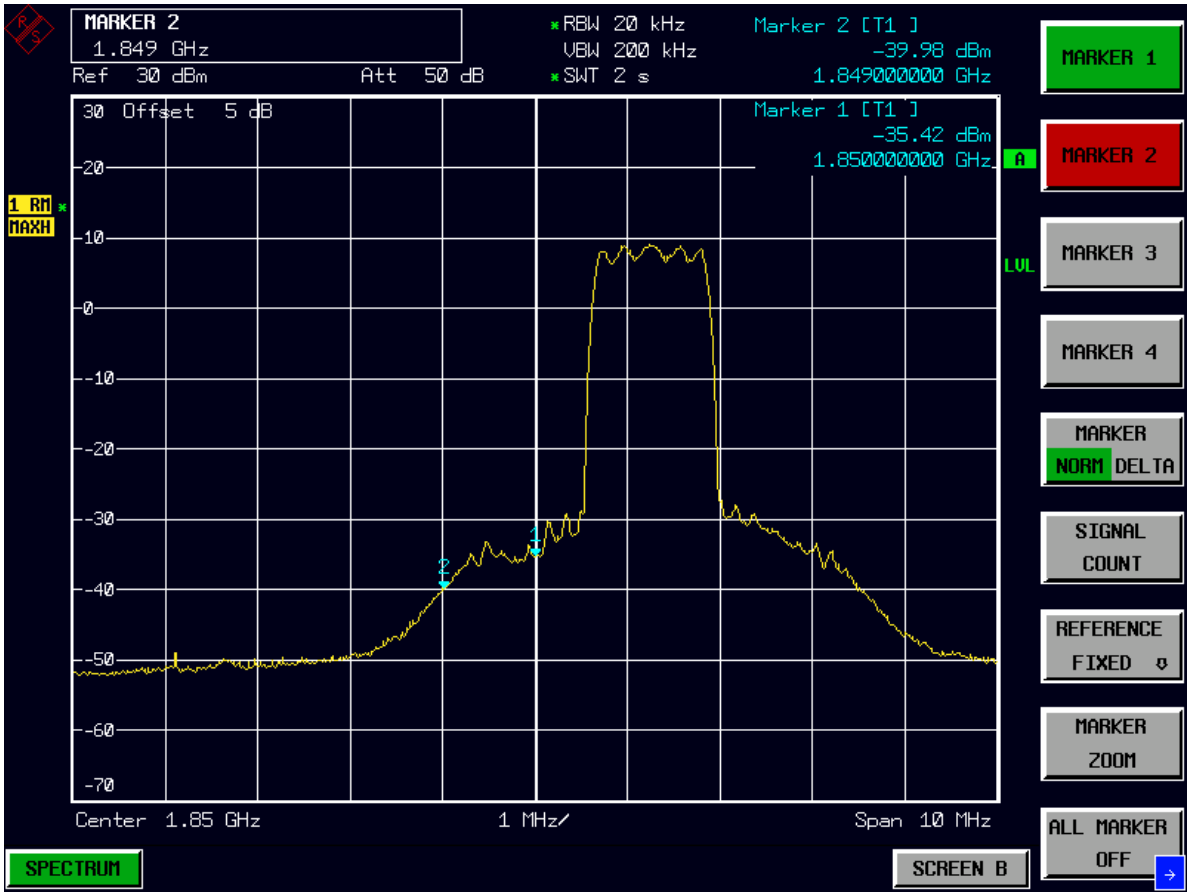
Appendix D

Band Edges Compliance

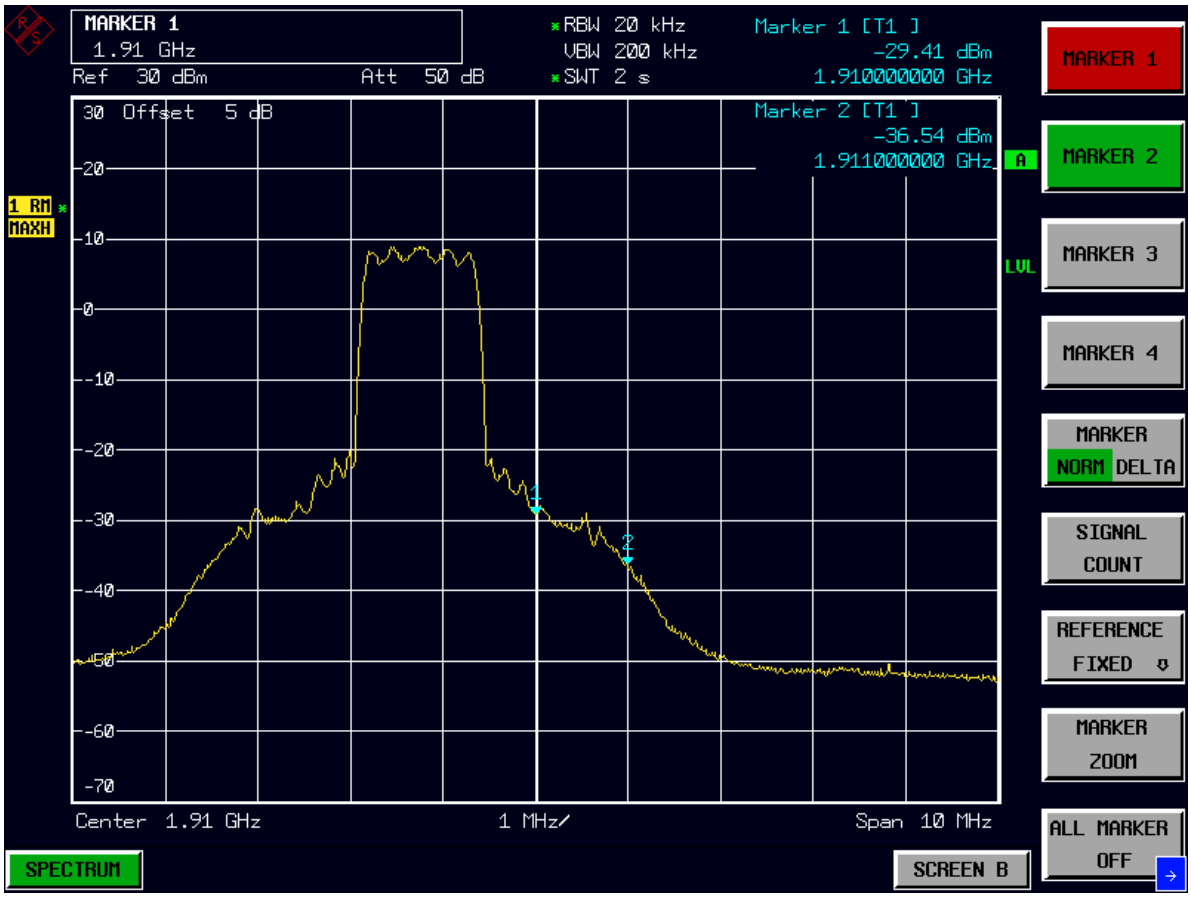
According to FCC Part 2.1051 & 24.238

TM1

Left Edge (1850 MHz)
Channel 25

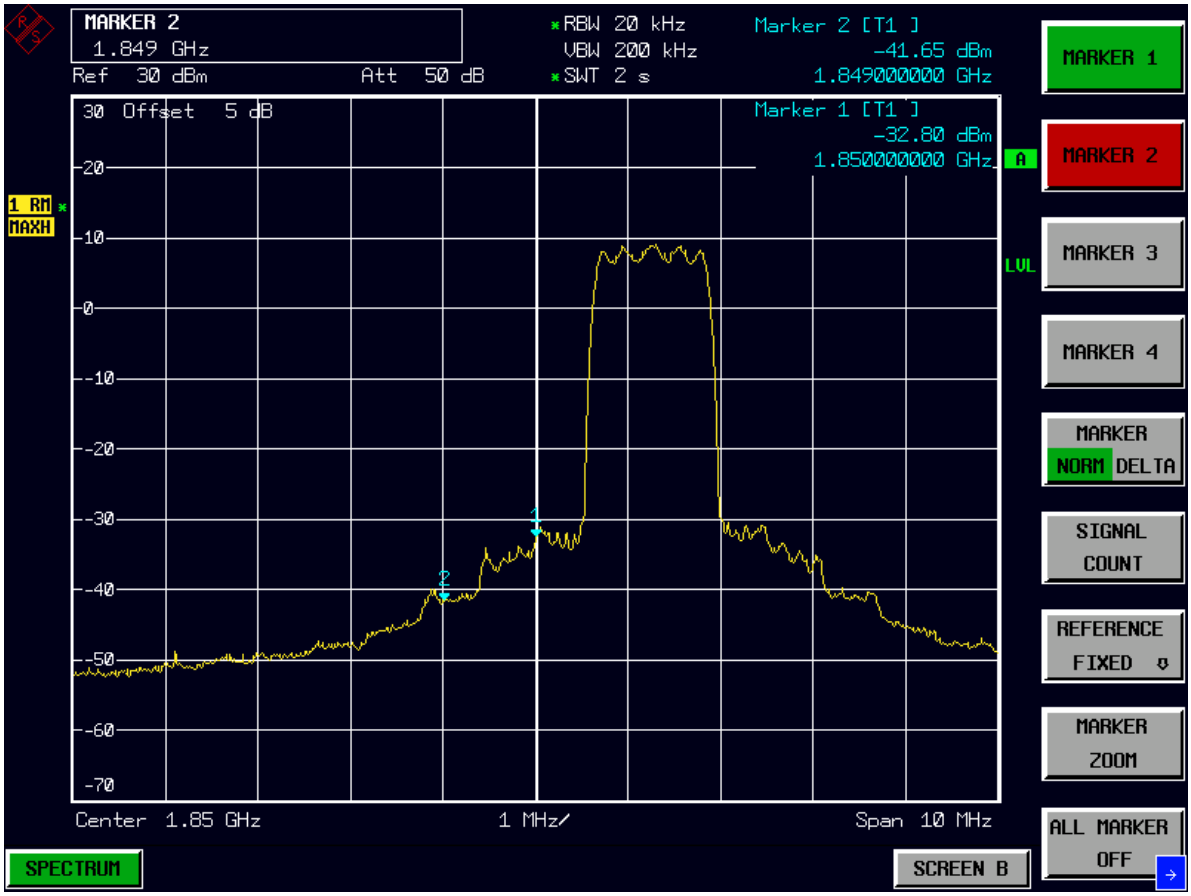


Right Edge (1910MHz)
Channel 1175

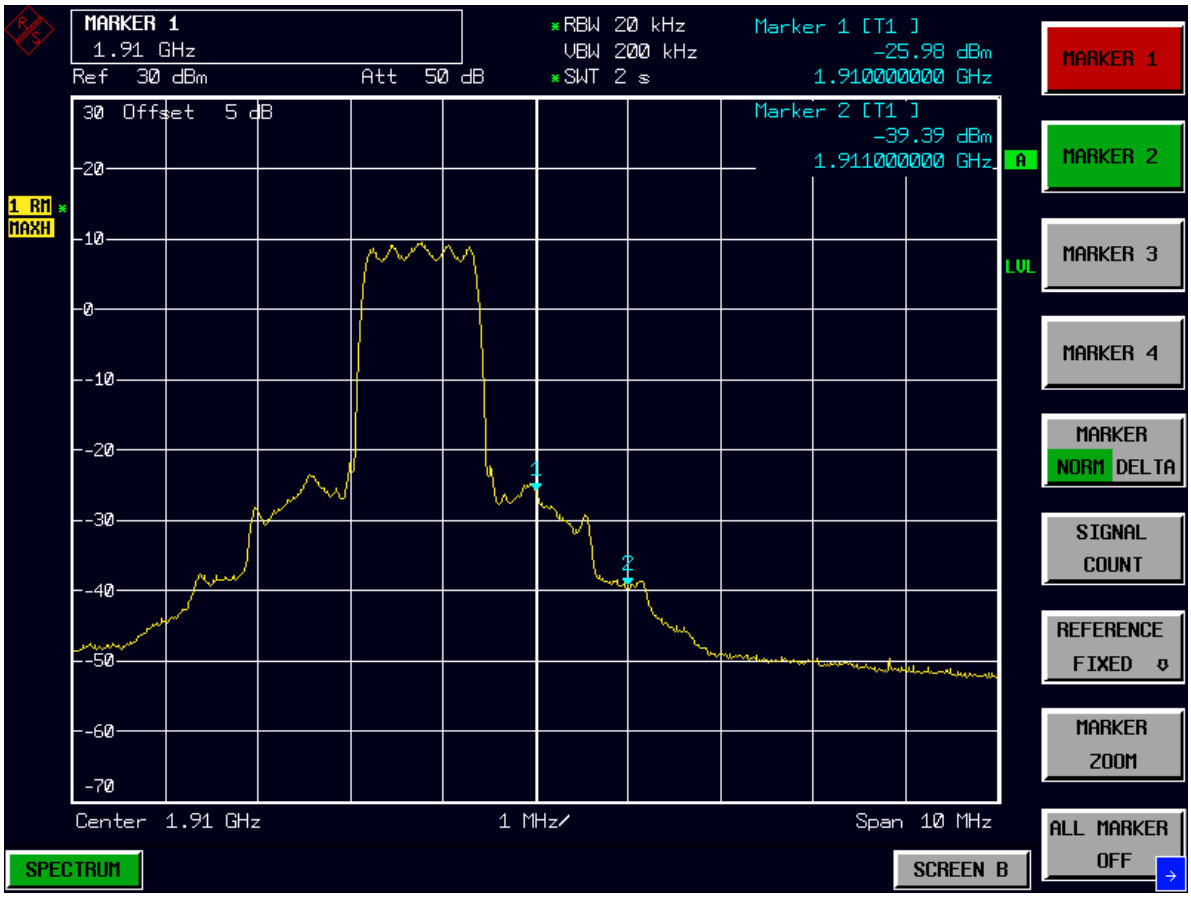


TM3

Left Edge (1850 MHz)
Channel 25



Right Edge (1910MHz)
Channel 1175



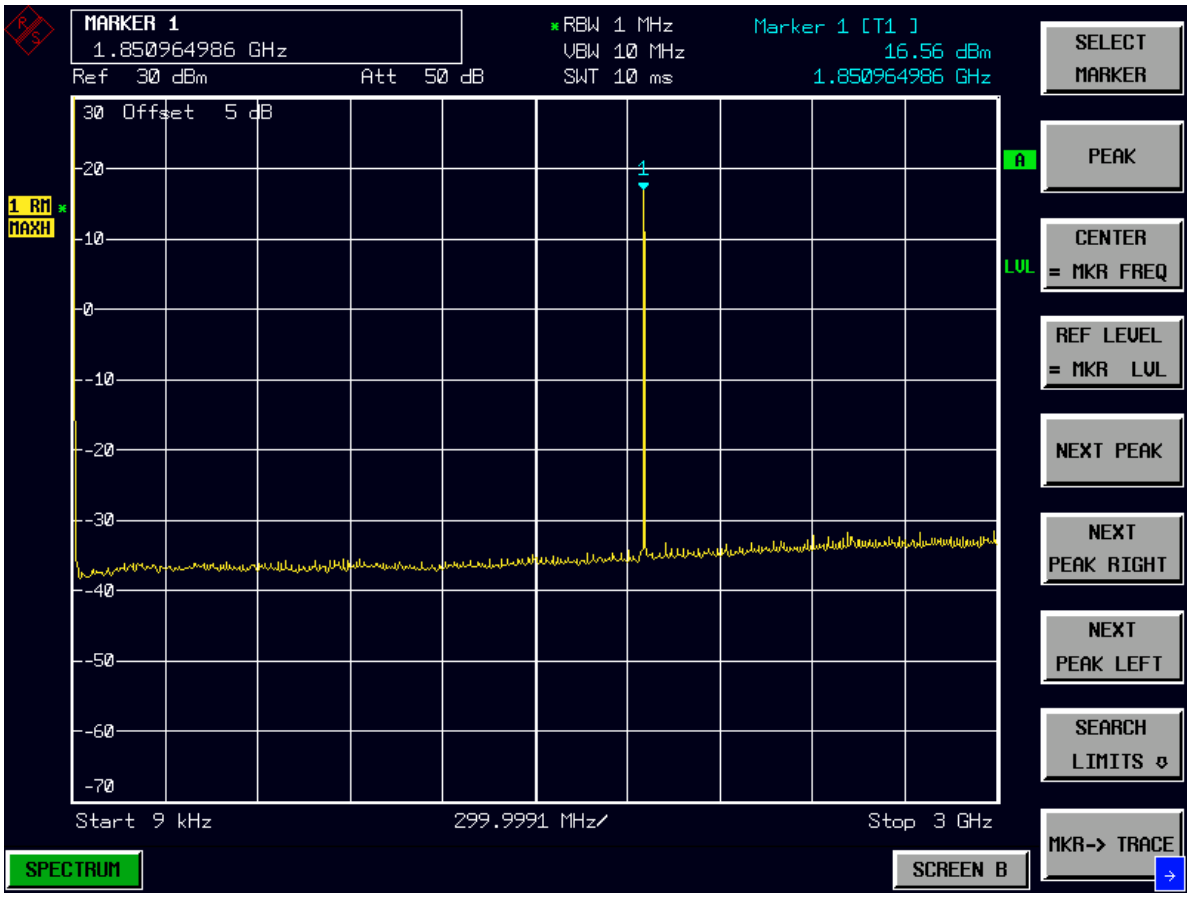
Appendix E

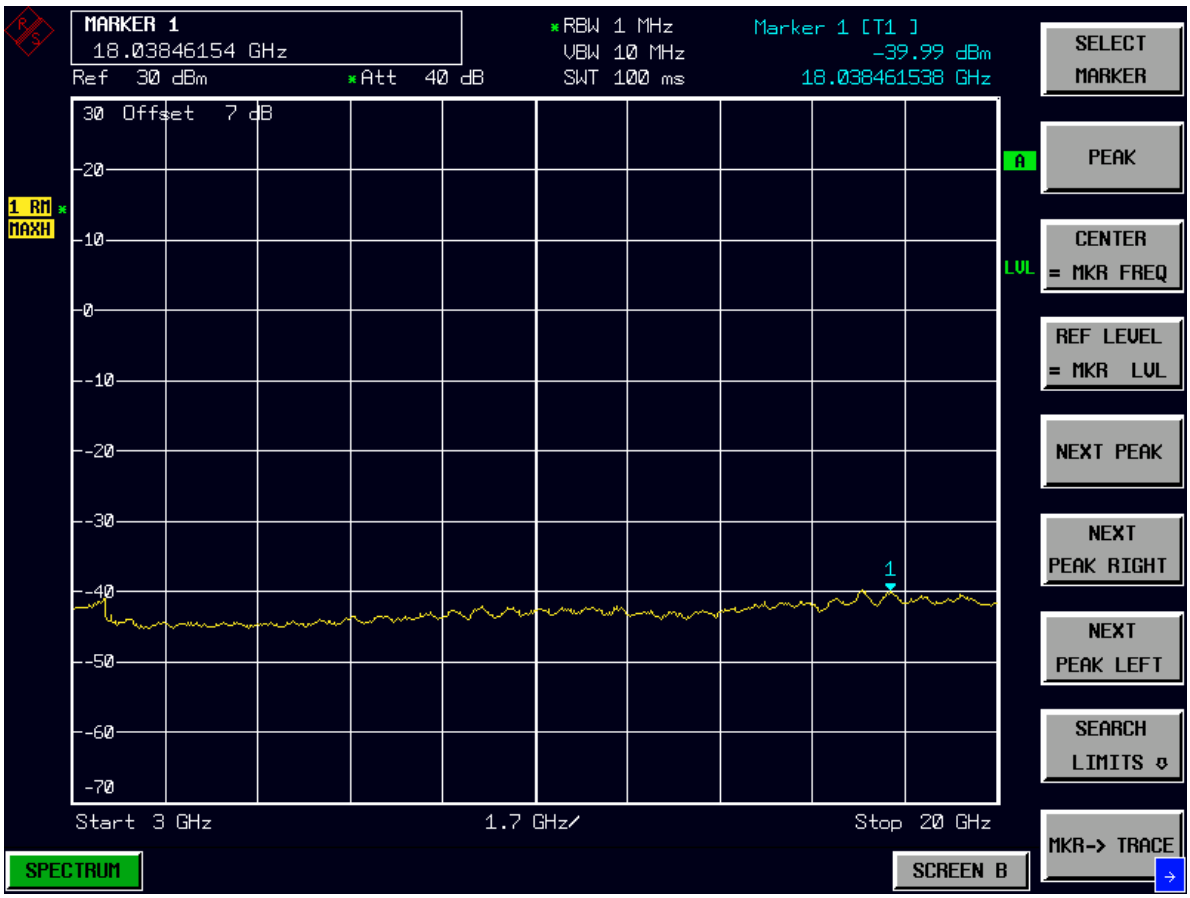
Spurious Emission at Antenna Terminal

According to FCC part 2.1051 & 24.238

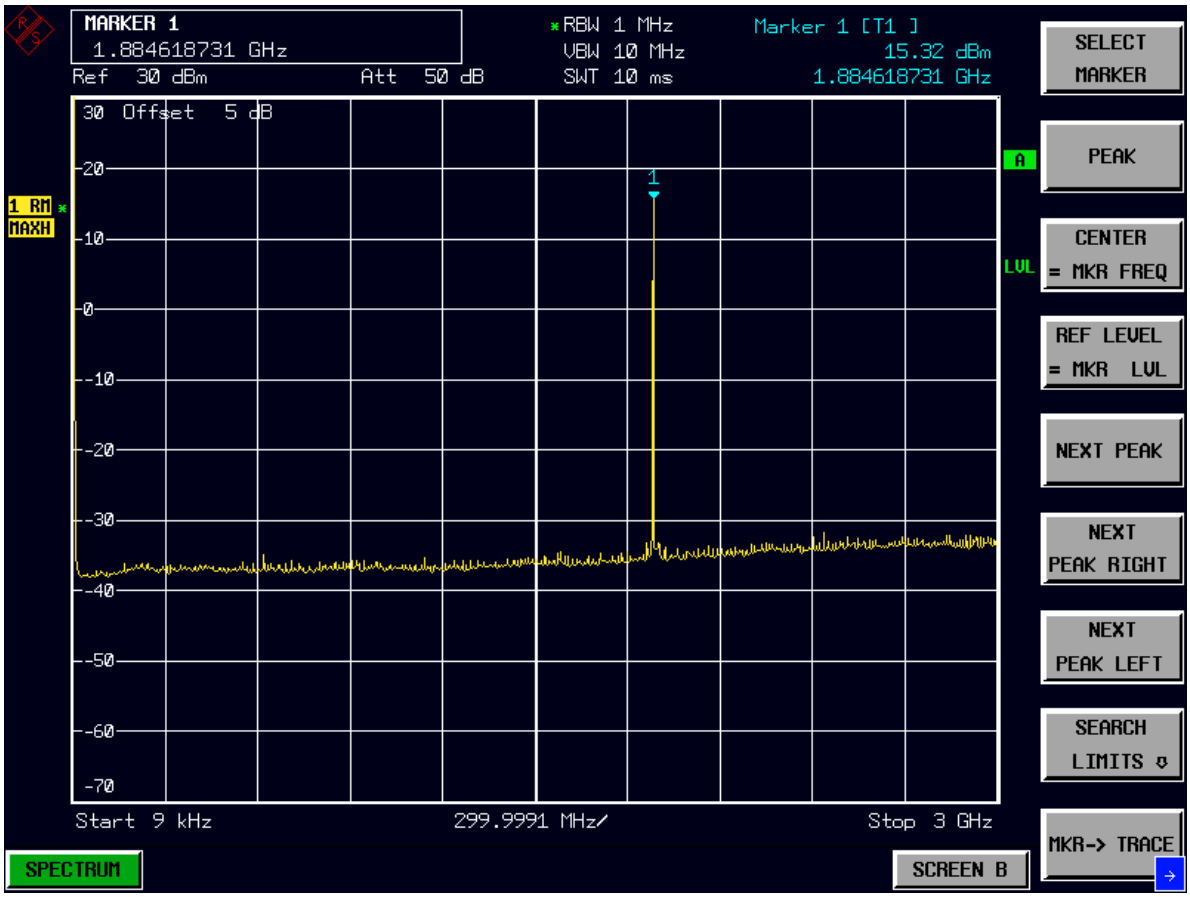
1.1 TM1

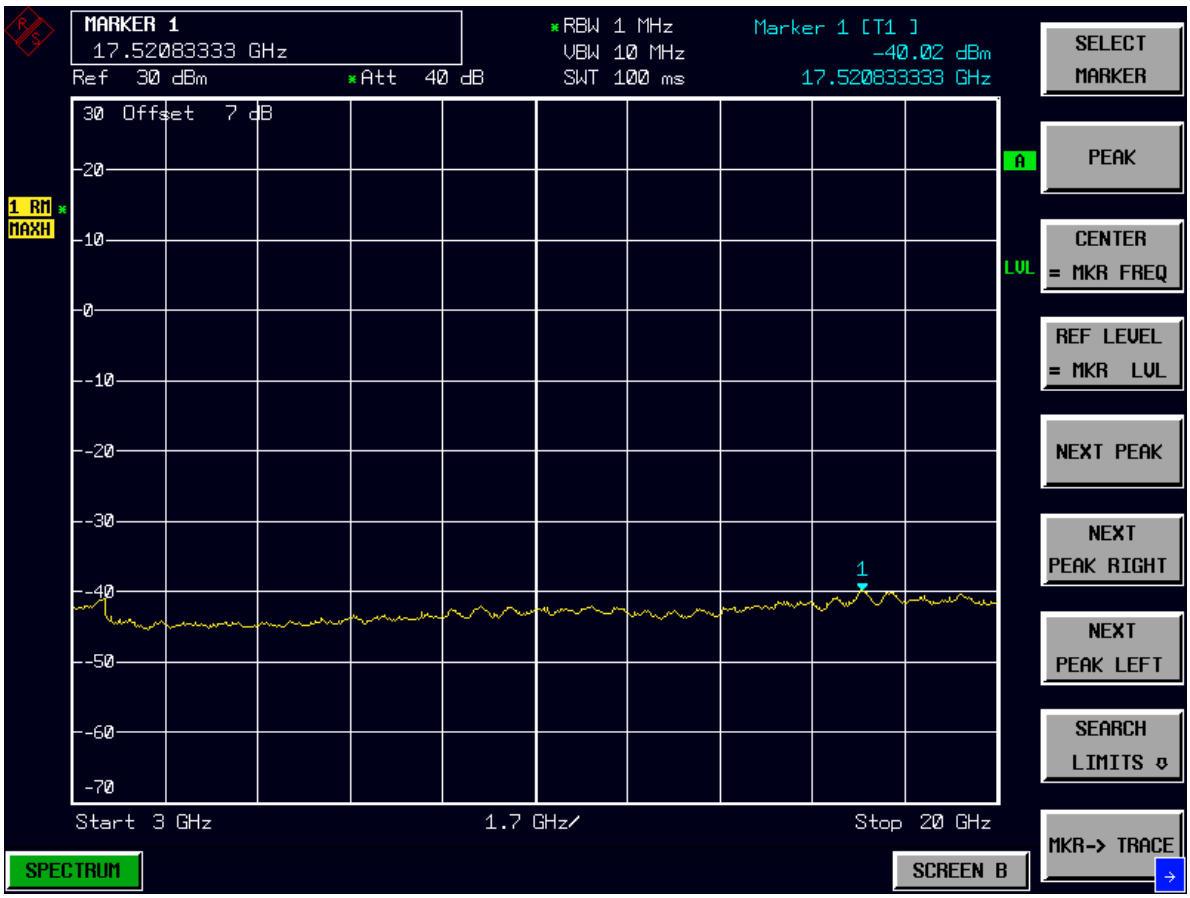
Channel 25



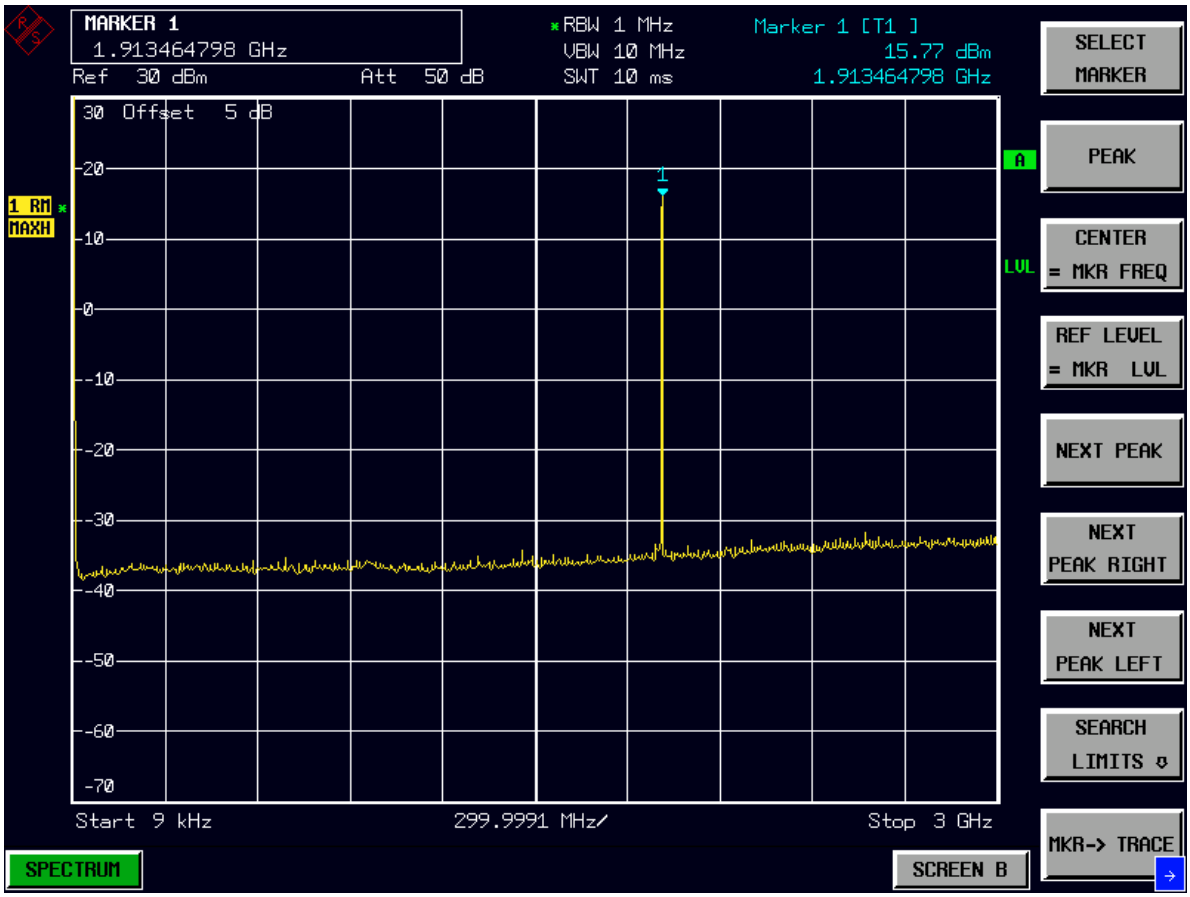

MARKER 1
18.03846154 GHz
Ref 30 dBm
Att 40 dB
RBW 1 MHz
VBW 10 MHz
SWT 100 ms
Marker 1 [T1]
-39.99 dBm
18.038461538 GHz
30 Offset 7 dB
1 RM
MAXH
A
LVL
Start 3 GHz
1.7 GHz/
Stop 20 GHz
SPECTRUM
SCREEN B
SELECT MARKER
PEAK
CENTER = MKR FREQ
REF LEVEL = MKR LVL
NEXT PEAK
NEXT PEAK RIGHT
NEXT PEAK LEFT
SEARCH LIMITS
MKR-> TRACE

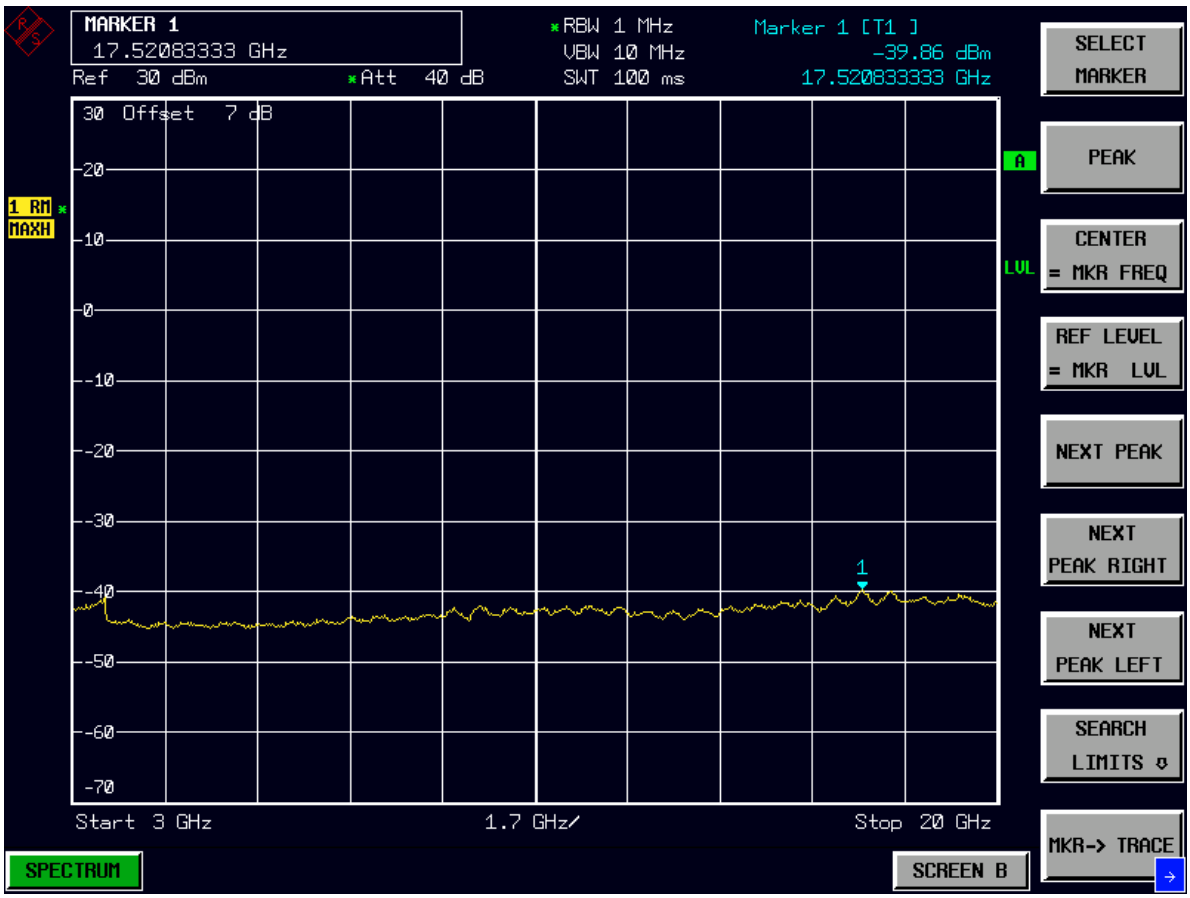
Channel 600


MARKER 1
1.884618731 GHz
RBW 1 MHz
VBW 10 MHz
SWT 10 ms
Marker 1 [T1]
15.32 dBm
1.884618731 GHz
Ref 30 dBm
Att 50 dB
30 Offset 5 dB
1 RM
MAXH
A
LVL
Start 9 kHz
299.9991 MHz/
Stop 3 GHz
SPECTRUM
SCREEN B
SELECT MARKER
PEAK
CENTER = MKR FREQ
REF LEVEL = MKR LVL
NEXT PEAK
NEXT PEAK RIGHT
NEXT PEAK LEFT
SEARCH LIMITS
MKR-> TRACE


MARKER 1
17.52083333 GHz
Ref 30 dBm
Att 40 dB
RBW 1 MHz
VBW 10 MHz
SWT 100 ms
Marker 1 [T1]
-40.02 dBm
17.520833333 GHz
30 Offset 7 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
1 RM
MAXH
A
LVL
1
Start 3 GHz
1.7 GHz/
Stop 20 GHz
SPECTRUM
SCREEN B
SELECT MARKER
PEAK
CENTER = MKR FREQ
REF LEVEL = MKR LVL
NEXT PEAK
NEXT PEAK RIGHT
NEXT PEAK LEFT
SEARCH LIMITS
MKR-> TRACE

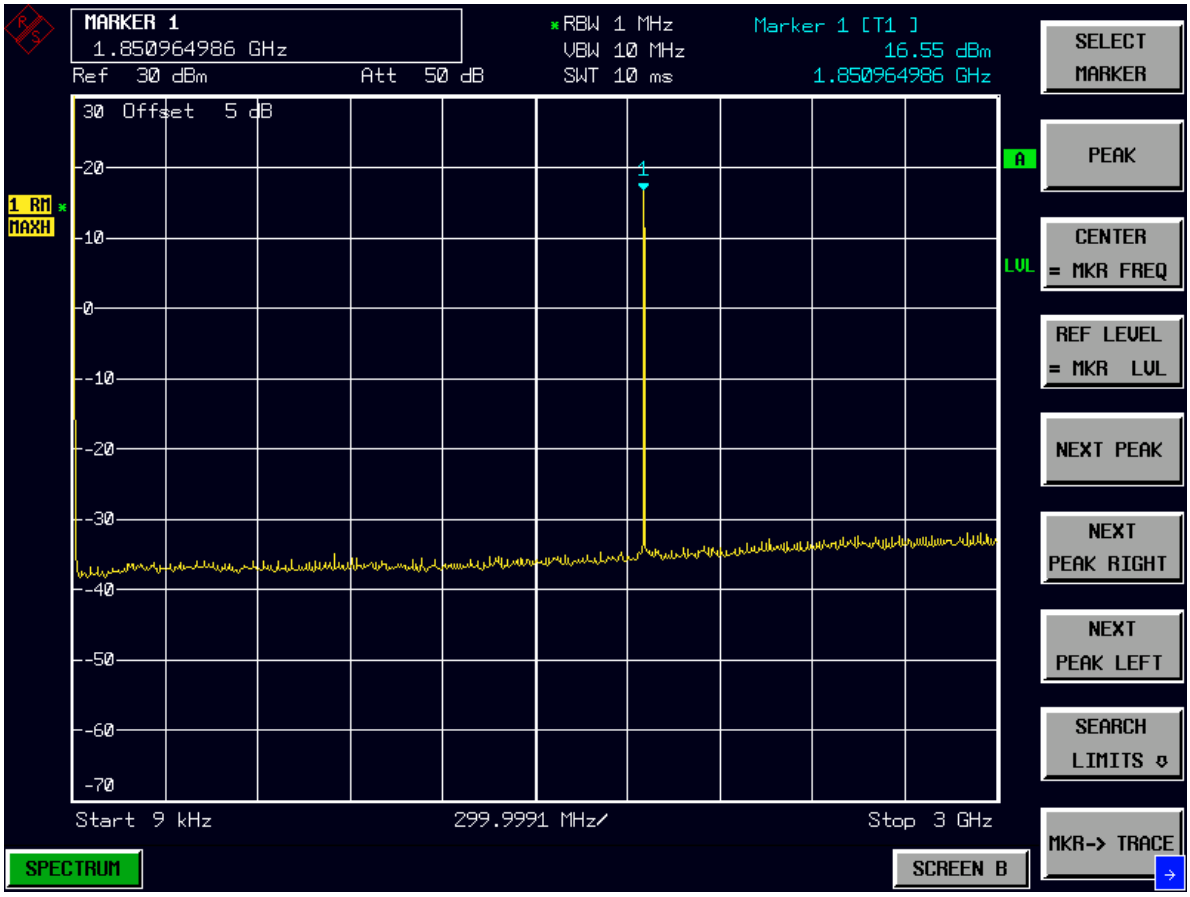
Channel 1175

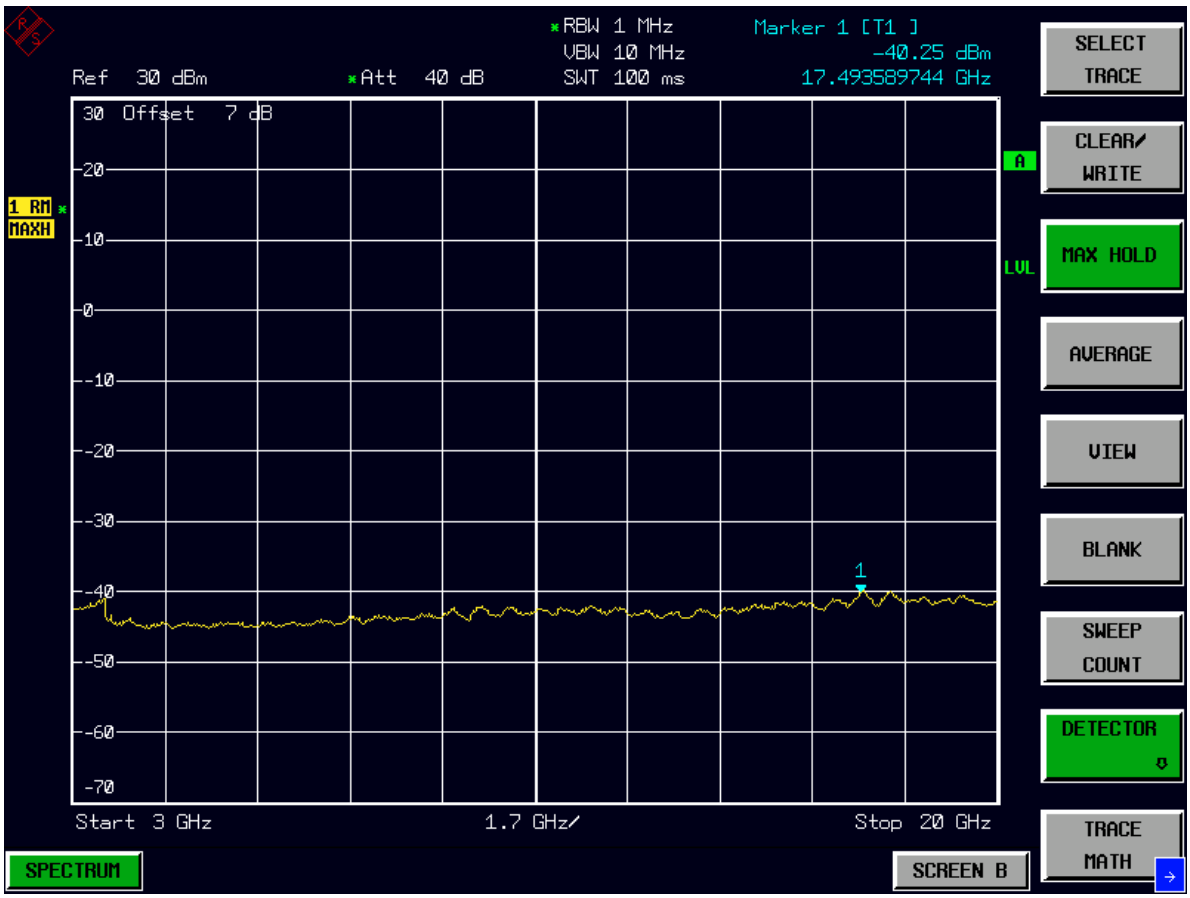



MARKER 1
17.52083333 GHz
Ref 30 dBm
Att 40 dB
RBW 1 MHz
VBW 10 MHz
SWT 100 ms
Marker 1 [T1]
-39.86 dBm
17.520833333 GHz
30 Offset 7 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
1 RM
MAXH
A
LVL
Start 3 GHz
1.7 GHz/
Stop 20 GHz
SPECTRUM
SCREEN B
SELECT MARKER
PEAK
CENTER = MKR FREQ
REF LEVEL = MKR LVL
NEXT PEAK
NEXT PEAK RIGHT
NEXT PEAK LEFT
SEARCH LIMITS
MKR-> TRACE

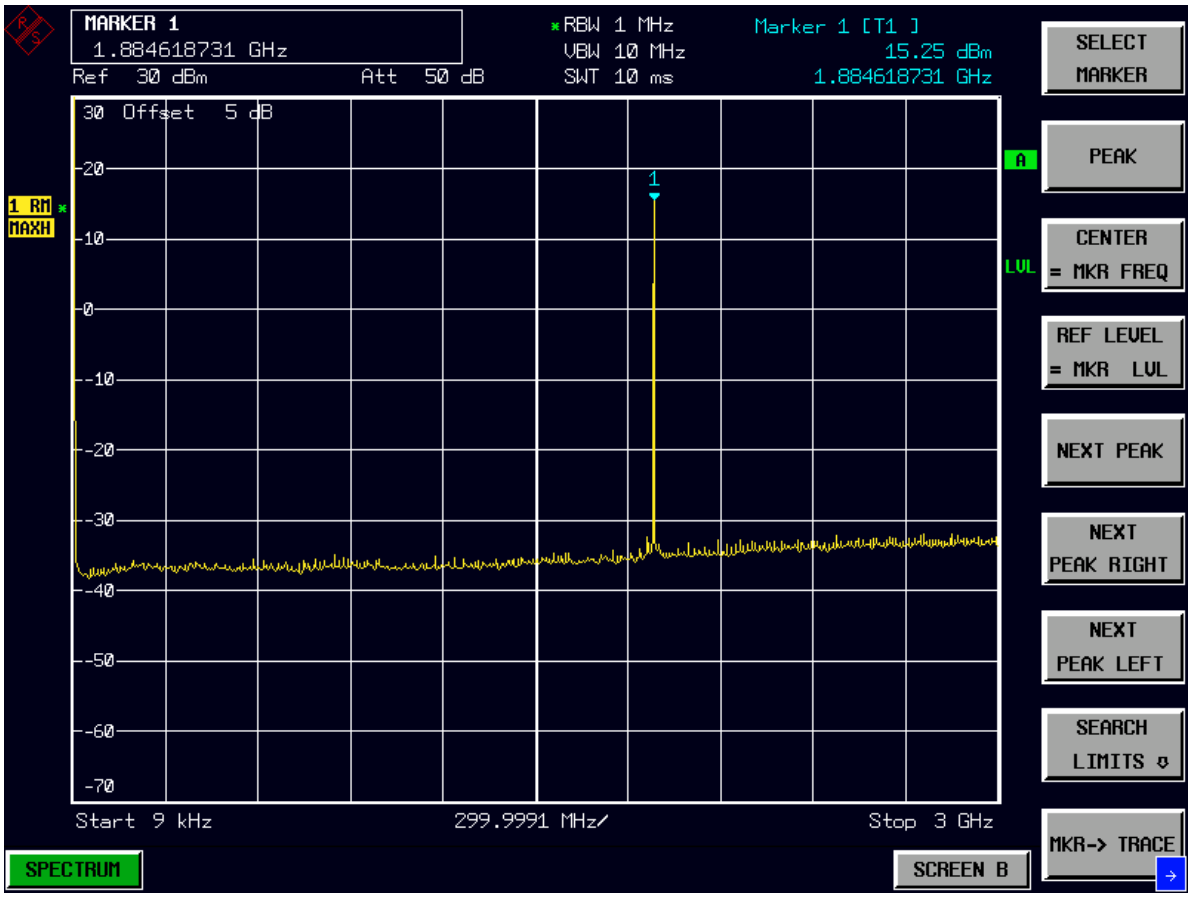
TM3

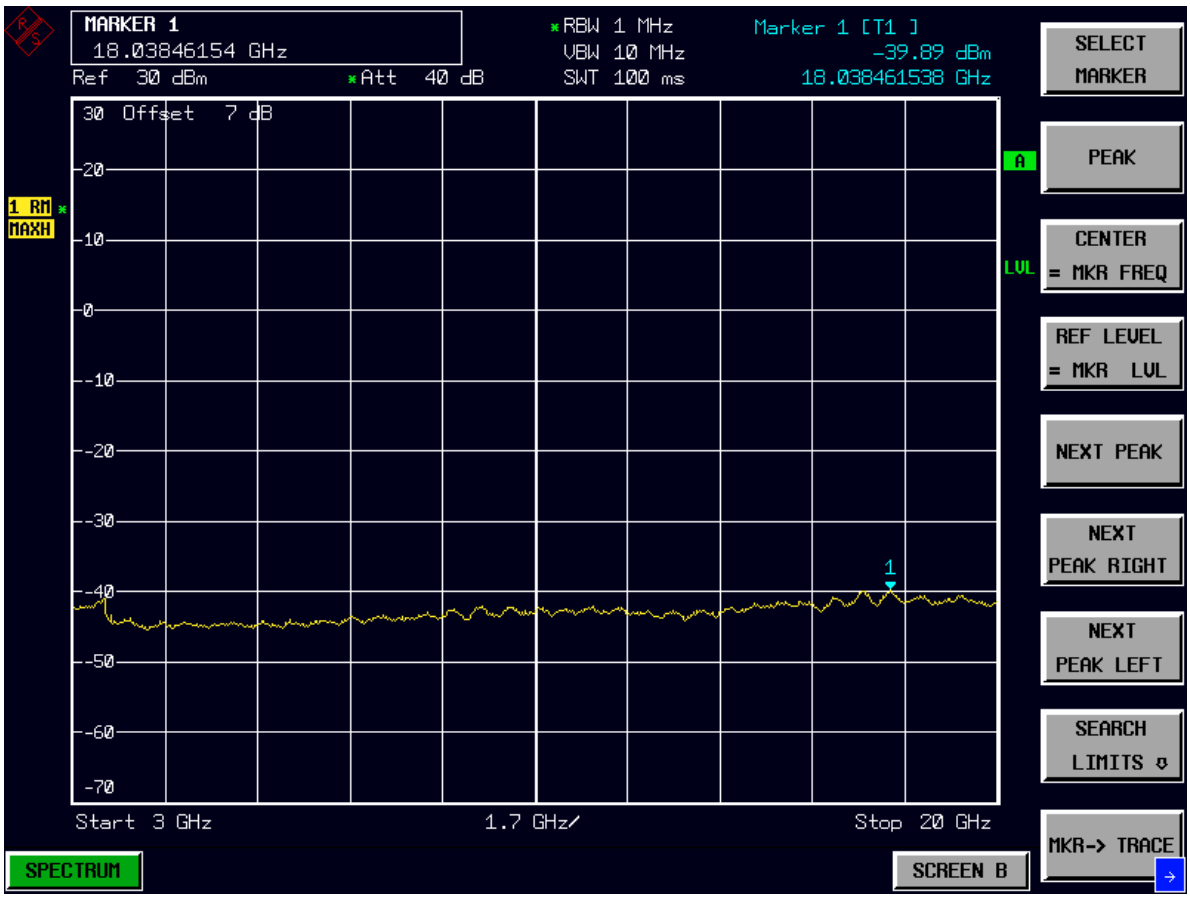
Channel 25



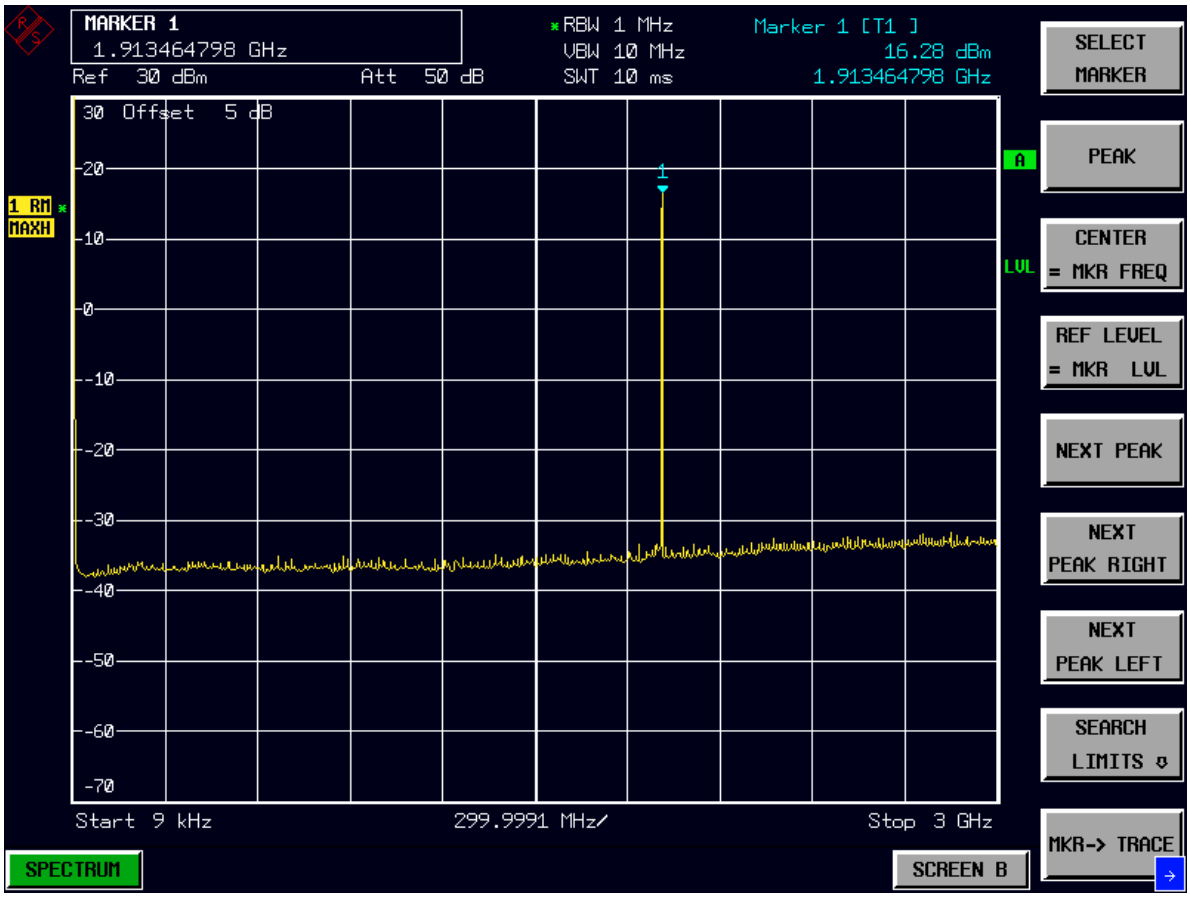

RBW 1 MHz
VBW 10 MHz
SWT 100 ms
Marker 1 [T1]
-40.25 dBm
17.493589744 GHz
Ref 30 dBm
Att 40 dB
30 Offset 7 dB
1 RM
MAXH
A
LVL
Start 3 GHz
1.7 GHz/
Stop 20 GHz
SPECTRUM
SCREEN B
SELECT TRACE
CLEAR/ WRITE
MAX HOLD
AVERAGE
VIEW
BLANK
SWEEP COUNT
DETECTOR
TRACE MATH

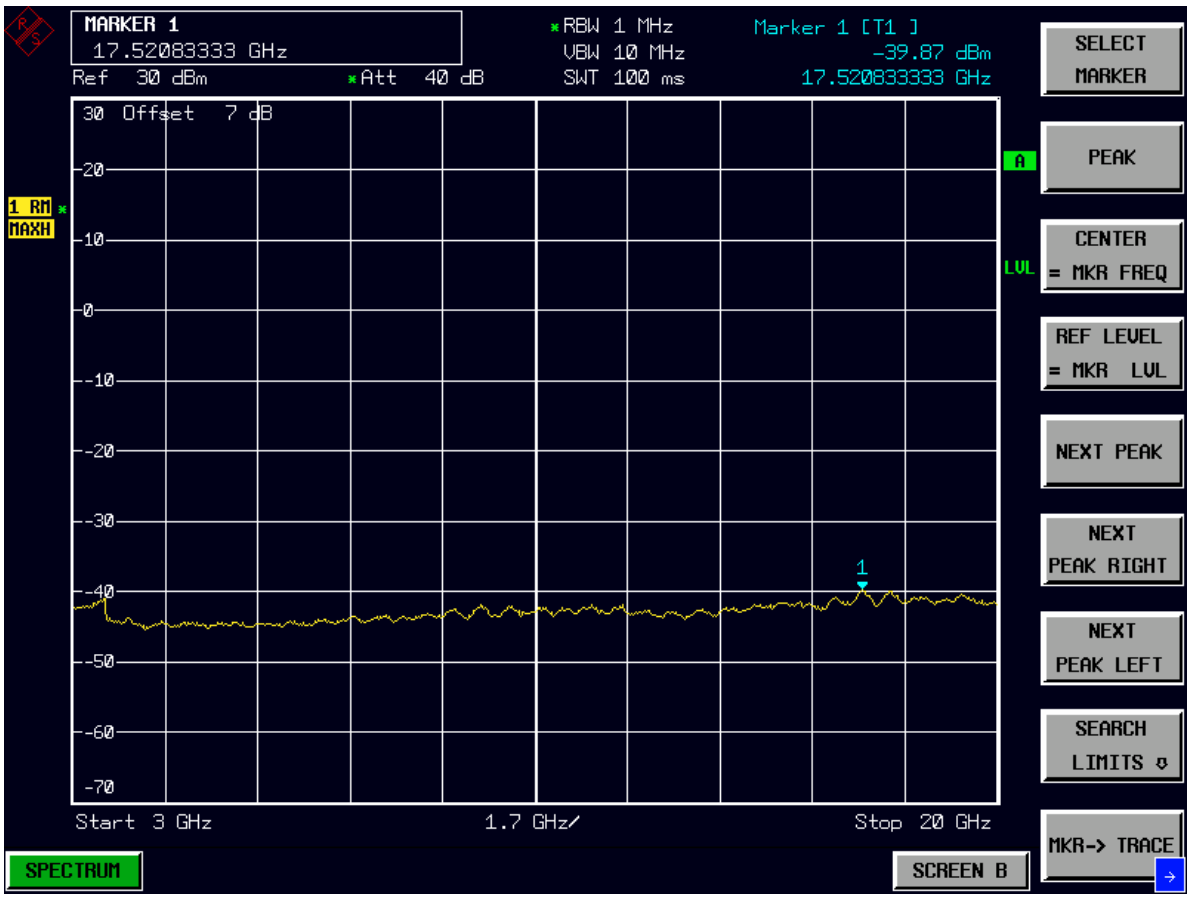
Channel 600


MARKER 1
1.884618731 GHz
RBW 1 MHz
VBW 10 MHz
SWT 10 ms
Marker 1 [T1]
15.25 dBm
1.884618731 GHz
Ref 30 dBm
Att 50 dB
30 Offset 5 dB
1 RM
MAXH
A
LVL
Start 9 kHz
299.9991 MHz/
Stop 3 GHz
SPECTRUM
SCREEN B
SELECT MARKER
PEAK
CENTER = MKR FREQ
REF LEVEL = MKR LVL
NEXT PEAK
NEXT PEAK RIGHT
NEXT PEAK LEFT
SEARCH LIMITS
MKR-> TRACE


MARKER 1
18.03846154 GHz
Ref 30 dBm
Att 40 dB
RBW 1 MHz
VBW 10 MHz
SWT 100 ms
Marker 1 [T1]
-39.89 dBm
18.038461538 GHz
30 Offset 7 dB
1 RM
MAXH
A
LVL
Start 3 GHz
1.7 GHz/
Stop 20 GHz
SPECTRUM
SCREEN B
SELECT MARKER
PEAK
CENTER = MKR FREQ
REF LEVEL = MKR LVL
NEXT PEAK
NEXT PEAK RIGHT
NEXT PEAK LEFT
SEARCH LIMITS
MKR-> TRACE

Channel 1175



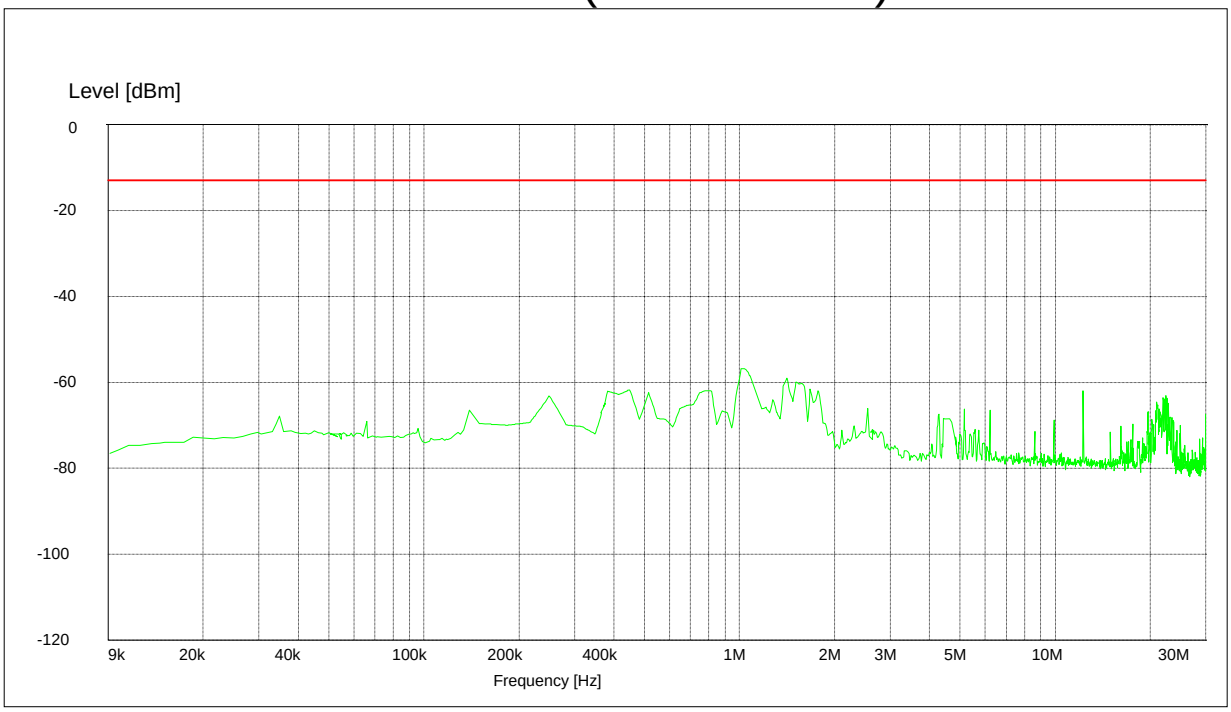

MARKER 1
17.52083333 GHz
Ref 30 dBm
Att 40 dB
RBW 1 MHz
VBW 10 MHz
SWT 100 ms
Marker 1 [T1]
-39.87 dBm
17.520833333 GHz
30 Offset 7 dB
20
10
0
-10
-20
-30
-40
-50
-60
-70
1 RM
MAXH
A
LVL
Start 3 GHz
1.7 GHz/
Stop 20 GHz
SPECTRUM
SCREEN B
SELECT MARKER
PEAK
CENTER = MKR FREQ
REF LEVEL = MKR LVL
NEXT PEAK
NEXT PEAK RIGHT
NEXT PEAK LEFT
SEARCH LIMITS
MKR-> TRACE

Appendix F

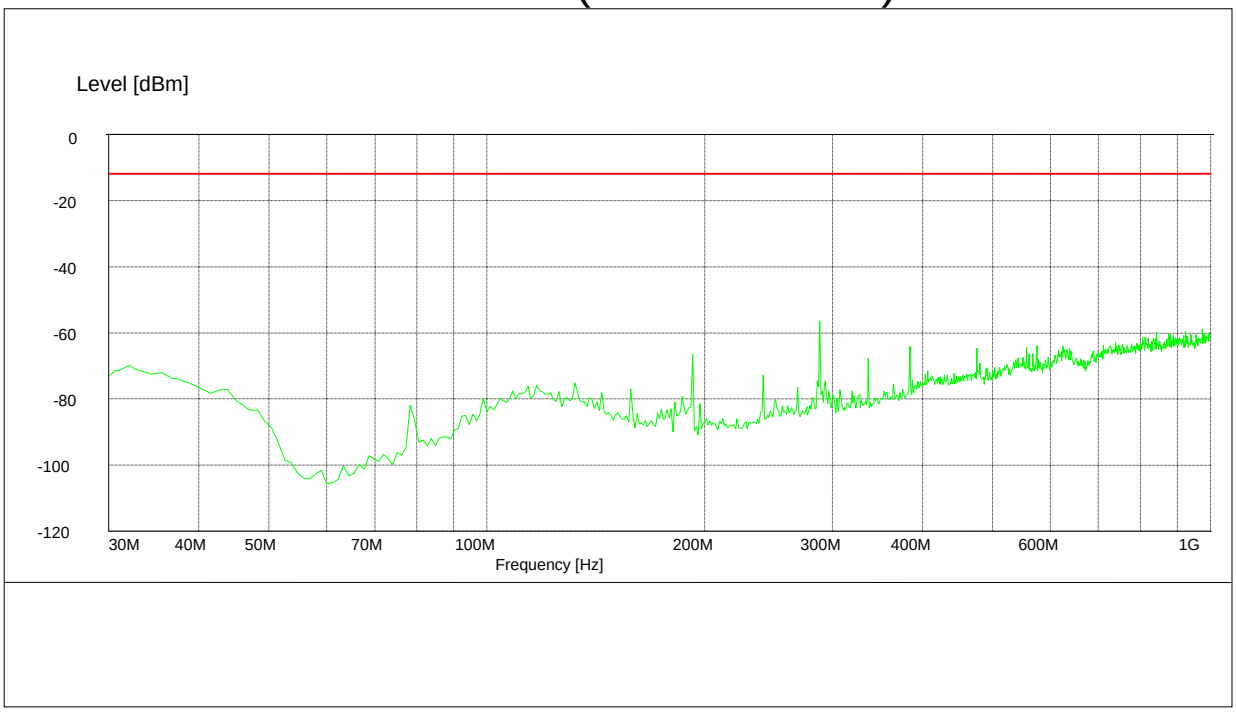
Radiated Spurious Emission

According to CFR 47 (FCC) part 2.1053 & 24.238

Traffic Mode (9kHz-30MHz)

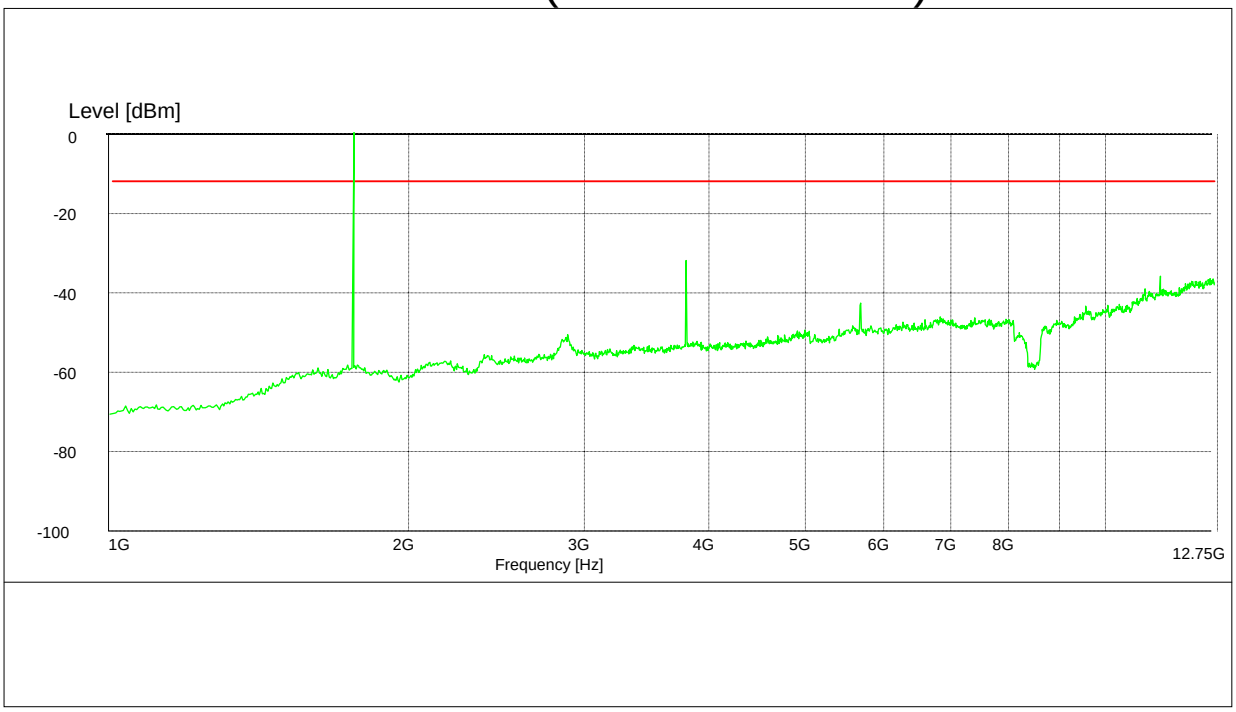


Traffic Mode (30MHz-1GHz)



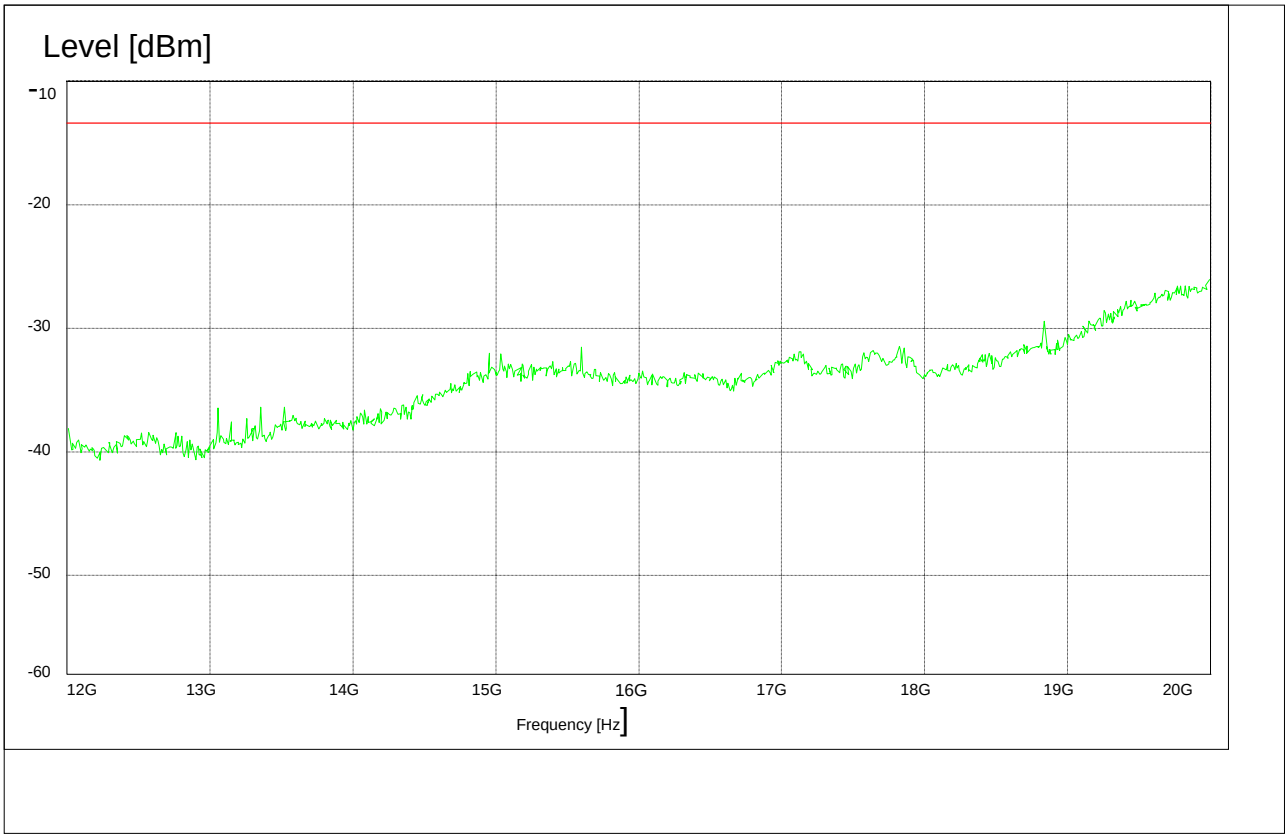
Note: The frequency which exceeded the limit was the carrier frequency.

Traffic Mode (1GHz-12.75GHz)

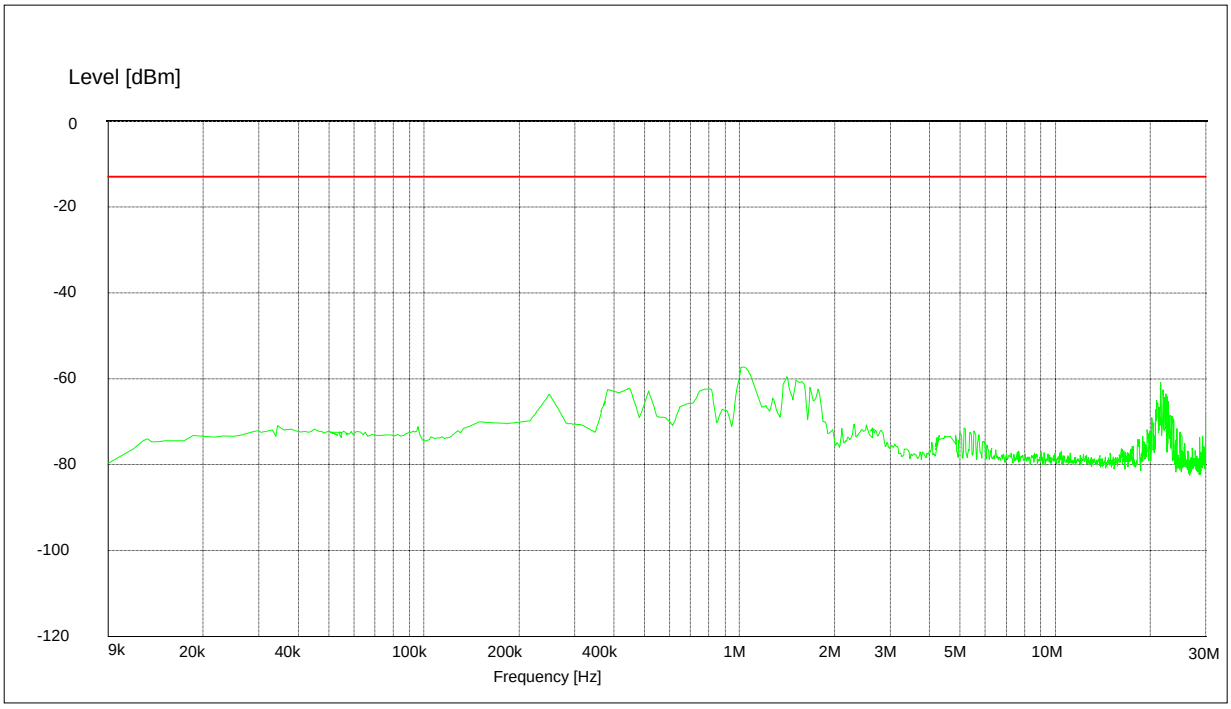


Note: The frequency which exceeded the limit was the carrier frequency.

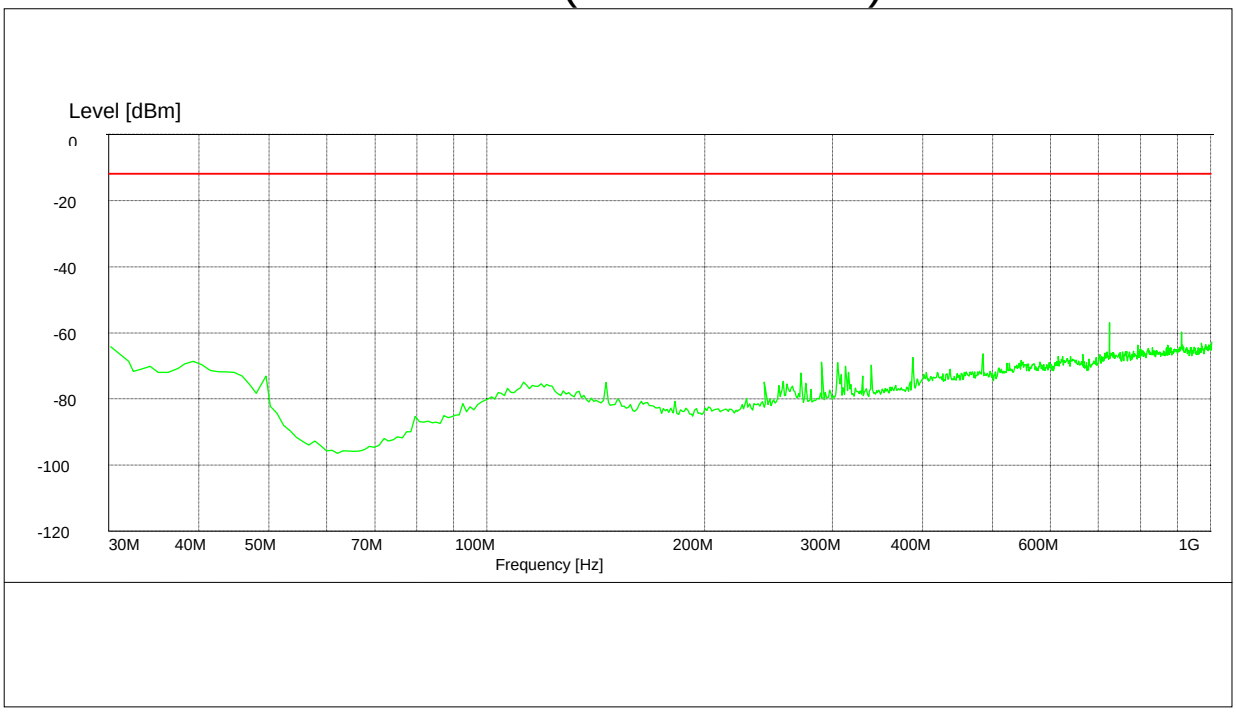
Traffic Mode (12.75GHz-20GHz)



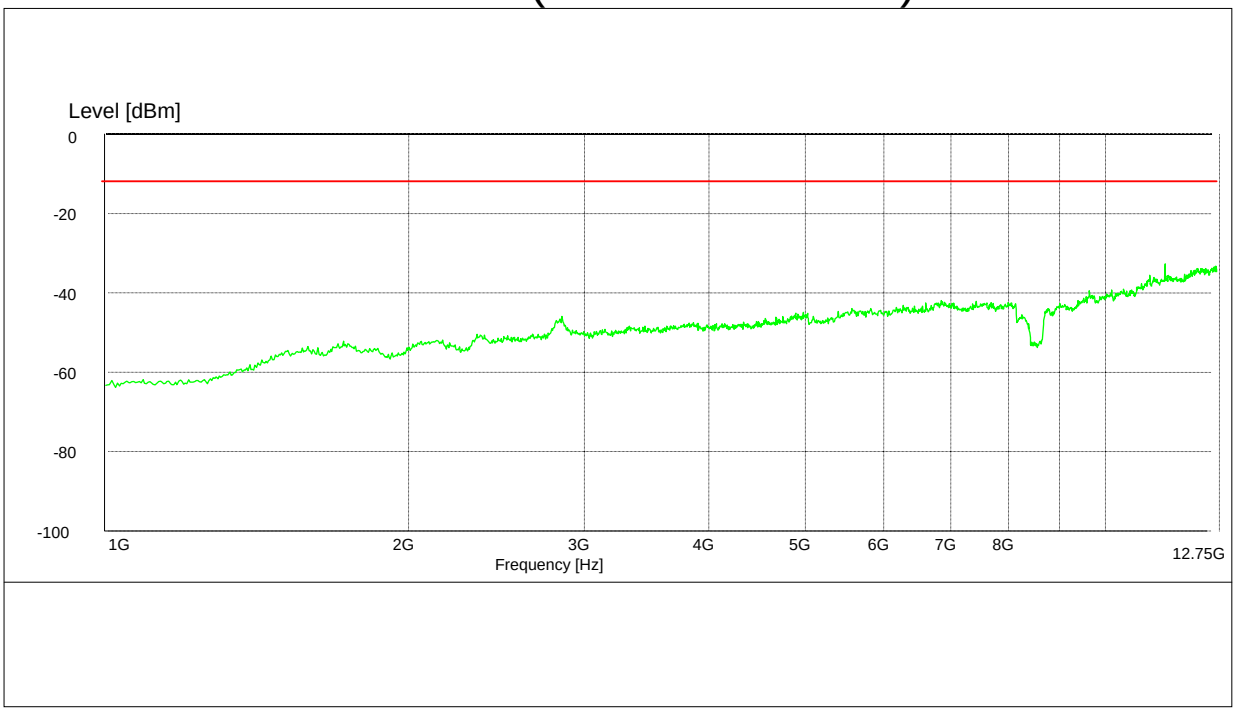
IDLE Mode (9 kHz-30MHz)



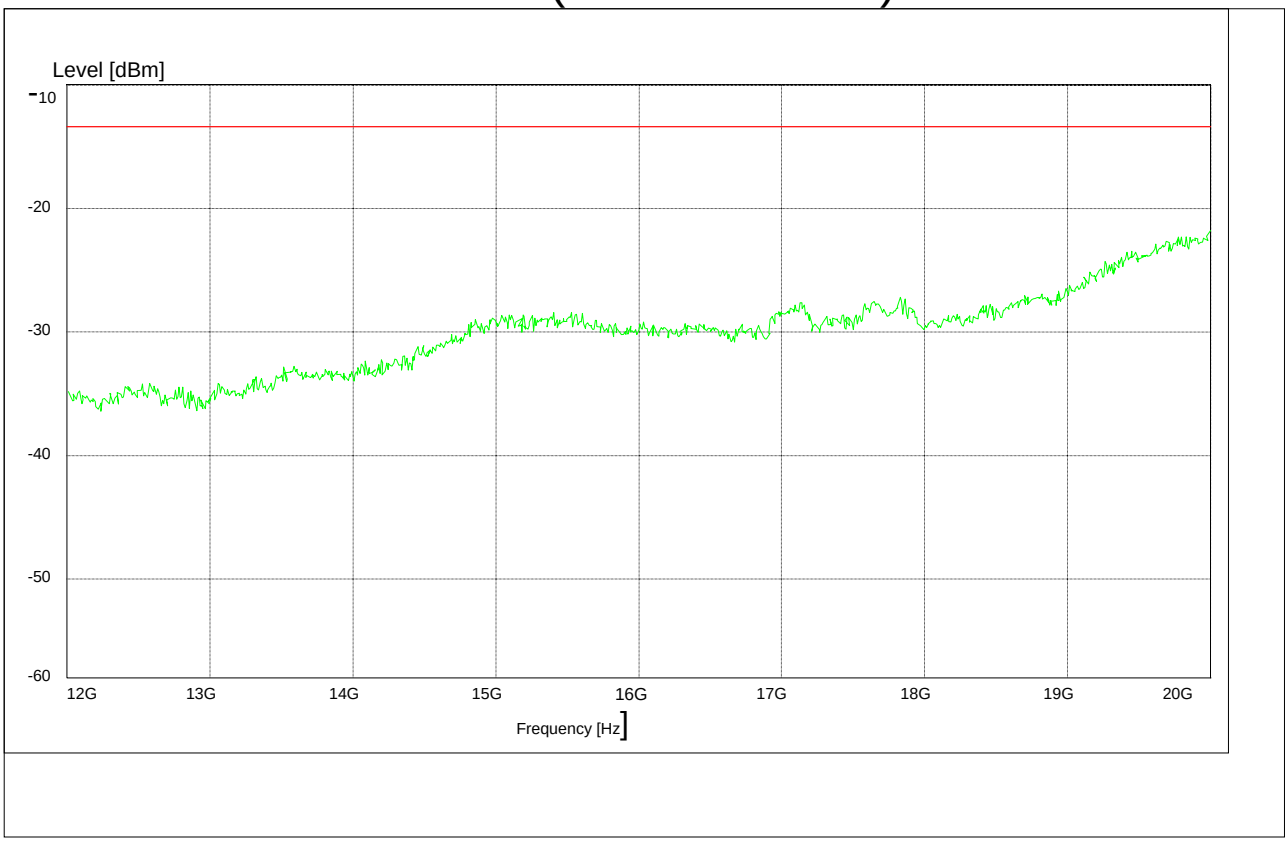
IDLE Mode (30MHz-1GHz)



IDLE Mode (1GHz-12.75GHz)



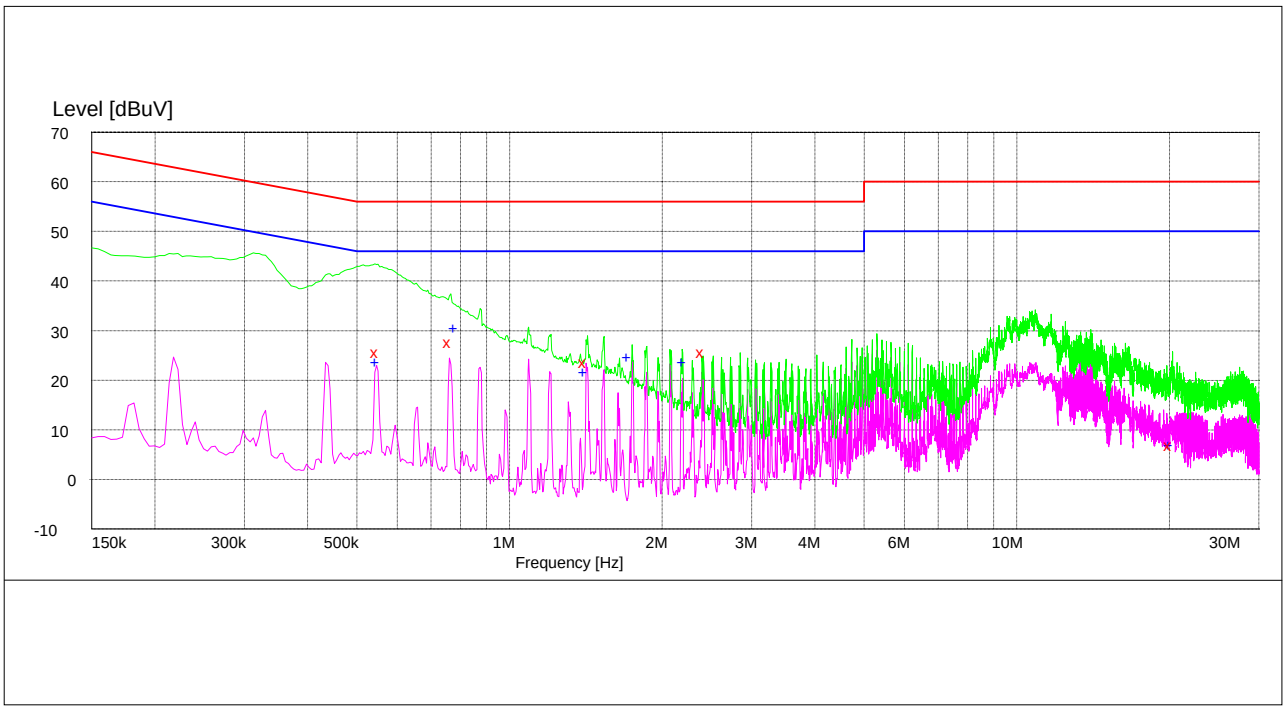
IDLE Mode (12GHz-20GHz)



Appendix G

Conducted Emission at Power Port

According to FCC Part 15.107



MEASUREMENT RESULT: QP DECTER

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.550500	25.80	0.6	56	30.2	L2	FLO
0.766500	27.80	0.6	56	28.2	L2	FLO
1.414577	23.80	0.6	56	32.2	L2	FLO
1.536415	25.80	0.6	56	30.2	L2	FLO
2.413500	25.80	0.6	56	30.2	L2	FLO
20.157000	7.10	2.7	60	52.9	L2	FLO

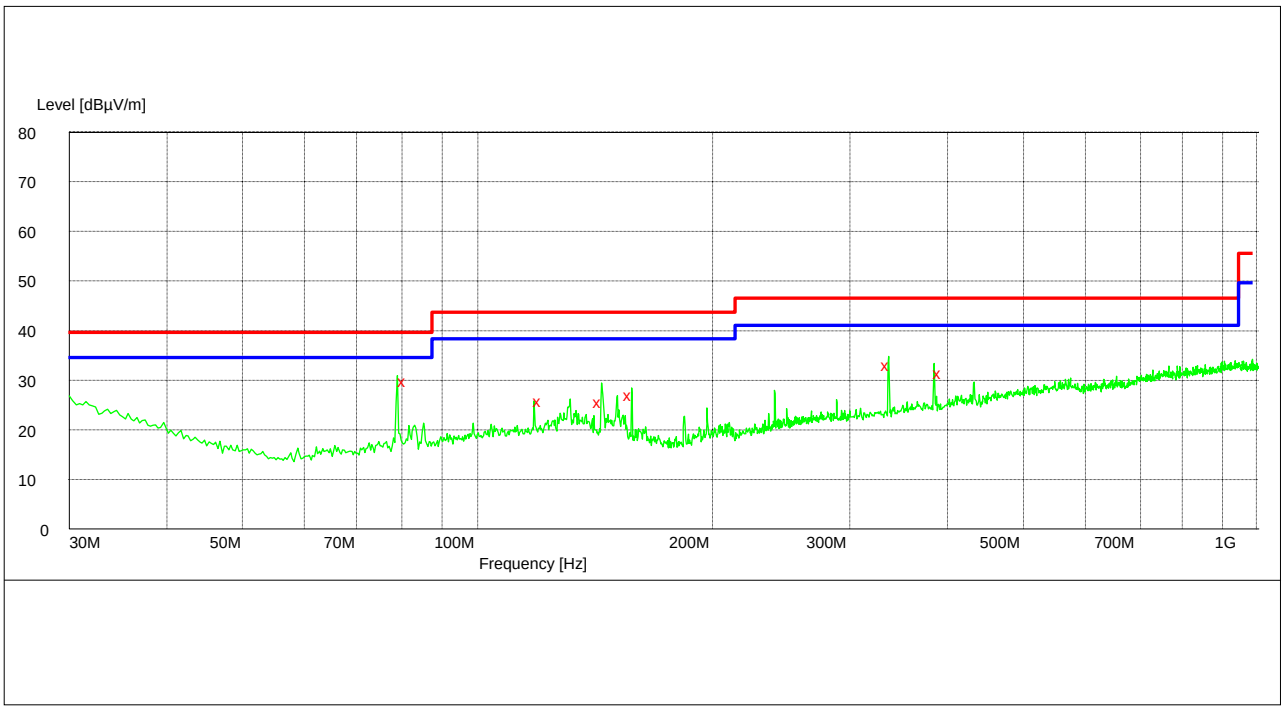
MEASUREMENT RESULT: “AV DECTER”

Frequency (MHz)	Level (dBμV)	Transd (dB)	Limit (dBμV)	Margin (dB)	Line	PE
0.550500	23.80	0.6	56	32.2	L2	FLO
0.786500	30.80	0.6	56	25.2	L2	FLO
1.414577	21.80	0.6	56	34.2	L2	FLO
1.726415	24.80	0.6	56	31.2	L2	FLO
2.213500	23.80	0.6	56	32.2	L2	FLO
20.147000	7.10	2.7	60	52.9	L2	FLO

Appendix H

Radiated Emission of Enclosure in Idle Mode

According to FCC Part 15.109



MEASUREMENT RESULT: QP DECTER

Frequency （MHz）	Level （dBµV/m）	Transd （dB）	Limit （dBµV/m）	Margin （dB）	Height （cm）	Azimuth （deg）	Polarisation
78.660000	30.30	-13.8	40.0	9.7	270.0	265.00	VERTICAL
119.160000	25.90	-9.8	43.5	17.6	200.0	0.00	VERTICAL
144.000000	25.70	-10.8	43.5	17.8	290.0	0.00	VERTICAL
157.260000	27.20	-11.7	43.5	16.3	200.0	0.00	VERTICAL
336.000000	33.10	-6.2	46.0	12.9	100.0	282.00	VERTICAL
384.000000	31.60	-5.1	46.0	14.4	100.0	271.00	VERTICAL

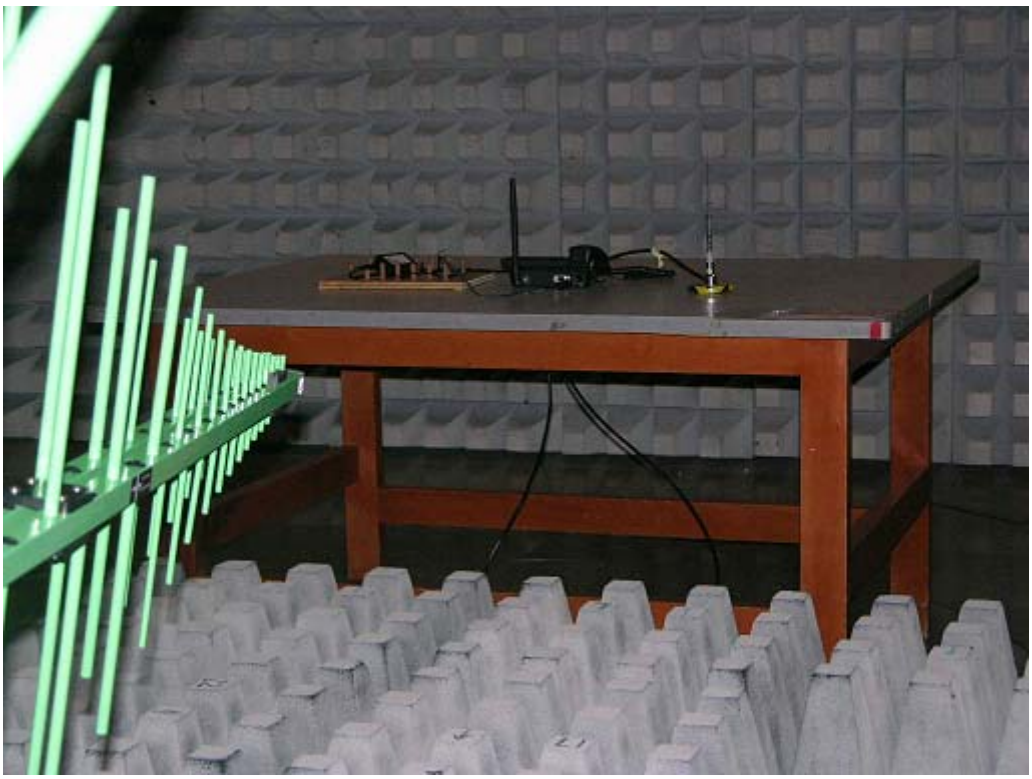
Appendix I

Photos of Test Setup

2 Radiated Emissions

Radiated Disturbance

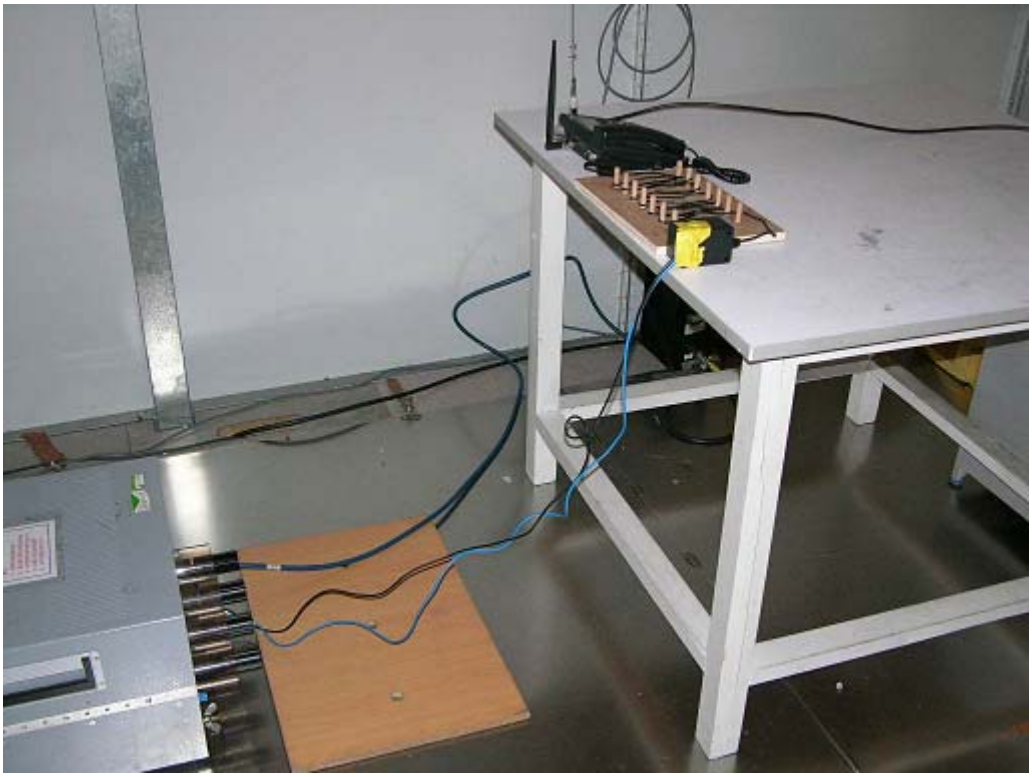
3 Radiated Spurious Emissions



Radiated Spurious Emission (below 1GHz)

Radiated Spurious Emission (above 1GHz)

4 Conducted Emissions



Conducted Emissions for AC Ports