



Test Mode :Band 2/TX N40 Mode-ANT 1

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	13.18	24	0.251
CH62	5310	12.86	24	0.251

Test Mode :Band 2/TX N40 Mode-ANT 2

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	14.29	24	0.251
CH62	5310	13.95	24	0.251

Test Mode :Band 2/TX N40 Mode-Total

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH54	5270	16.78	24	0.251
CH62	5310	16.45	24	0.251



Test Mode :Band 3/TX A Mode				
Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	14.92	24	0.251
CH116	5580	18.99	24	0.251
CH140	5700	13.64	24	0.251



Test Mode :Band 3/TX N20 Mode-ANT 1

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	15.31	24	0.251
CH116	5580	15.61	24	0.251
CH140	5700	13.62	24	0.251

Test Mode :Band 3/TX N20 Mode-ANT 2

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	15.34	24	0.251
CH116	5580	16.08	24	0.251
CH140	5700	14.63	24	0.251

Test Mode :Band 3/TX N20 Mode-Total

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH100	5500	18.34	24	0.251
CH116	5580	18.86	24	0.251
CH140	5700	17.16	24	0.251



Test Mode :Band 3/TX N40 Mode-ANT 1

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	12.43	24	0.251
CH110	5550	13.71	24	0.251
CH134	5670	13.77	24	0.251

Test Mode :Band 3/TX N40 Mode-ANT 2

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	13.74	24	0.251
CH110	5550	13.92	24	0.251
CH134	5670	13.94	24	0.251

Test Mode :Band 3/TX N40 Mode-Total

Test Channel	Frequency (MHz)	Conducted Output Power (dBm)	LIMIT (dBm)	LIMIT (W)
CH102	5510	16.14	24	0.251
CH110	5550	16.83	24	0.251
CH134	5670	16.87	24	0.251



7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E/ RSS-210: 2010			
Test Item	Limit	Frequency Range (MHz)	Result
Antenna conducted Spurious Emission	-27 dBm/1MHz	5150 – 5250 5250 – 5350 5470 – 5725	PASS

7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

Spectrum Parameter	Setting
Attenuation	Auto
RB	1000 kHz
VB	1000 kHz
Trace	Max Hold
Sweep Time	Auto

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

7.1.5 EUT TEST CONDITIONS

Temperature: 25°C

Relative Humidity: 55%

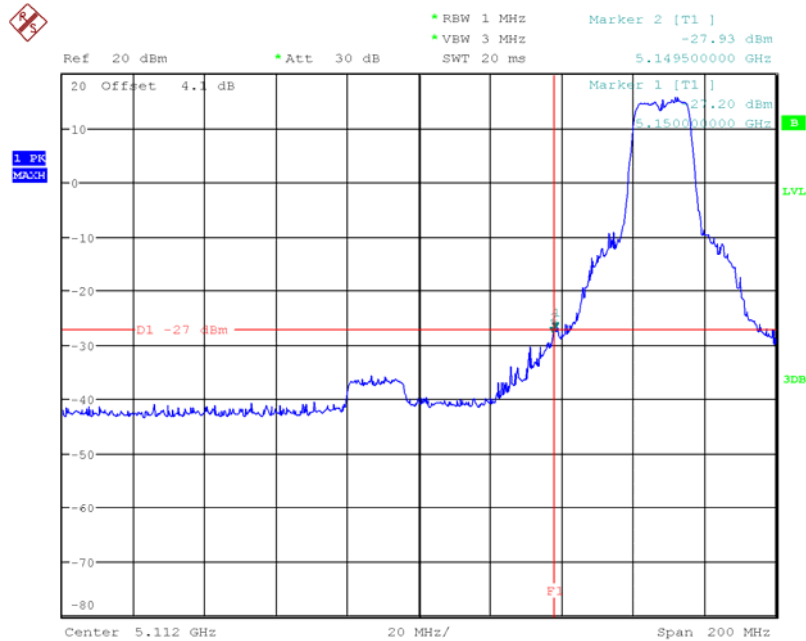
Test Voltage: 120V/60Hz



7.1.6 TEST RESULTS

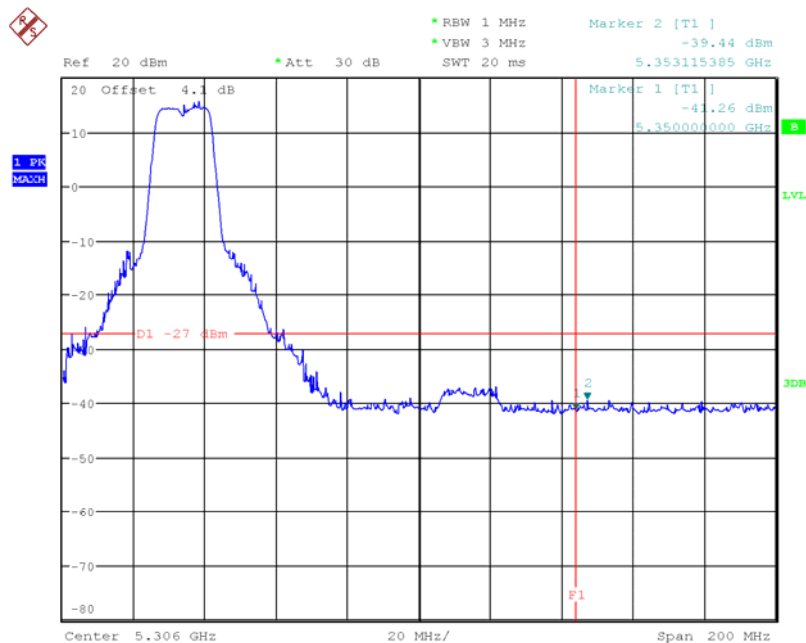
Test Mode : Band 1/TX A Mode

TX mode CH36



Date: 20.JAN.2014 09:18:54

TX mode CH48

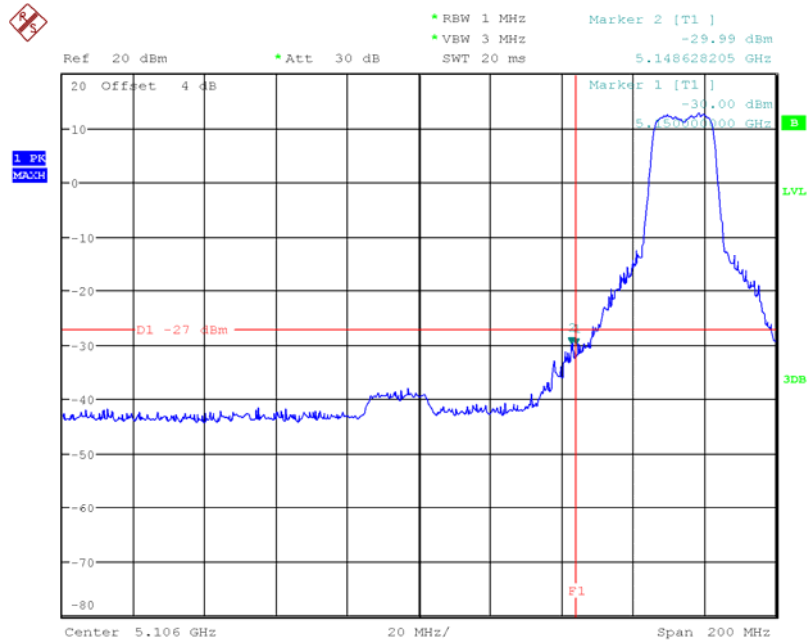


Date: 20.JAN.2014 09:33:20



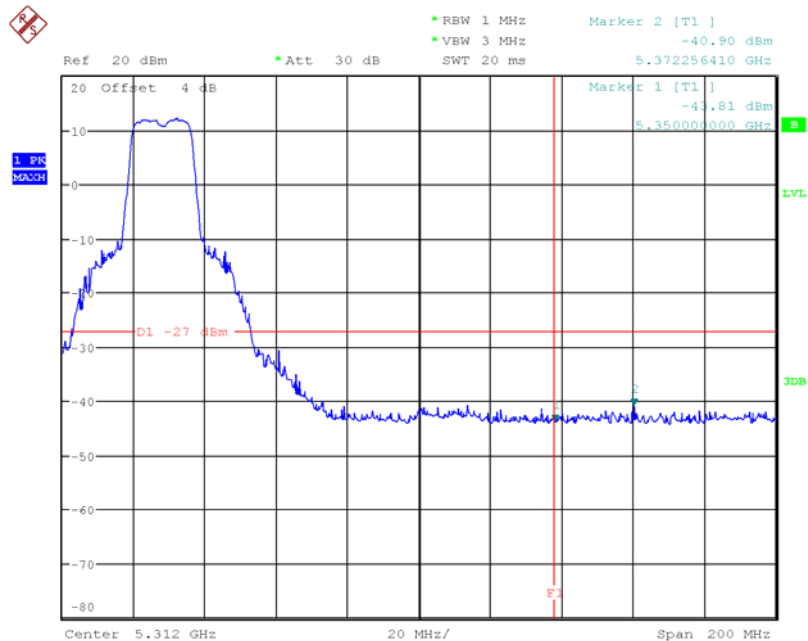
Test Mode : Band 1/TX N20 Mode-ANT 1

TX mode CH36



Date: 20.JAN.2014 15:40:34

TX mode CH48

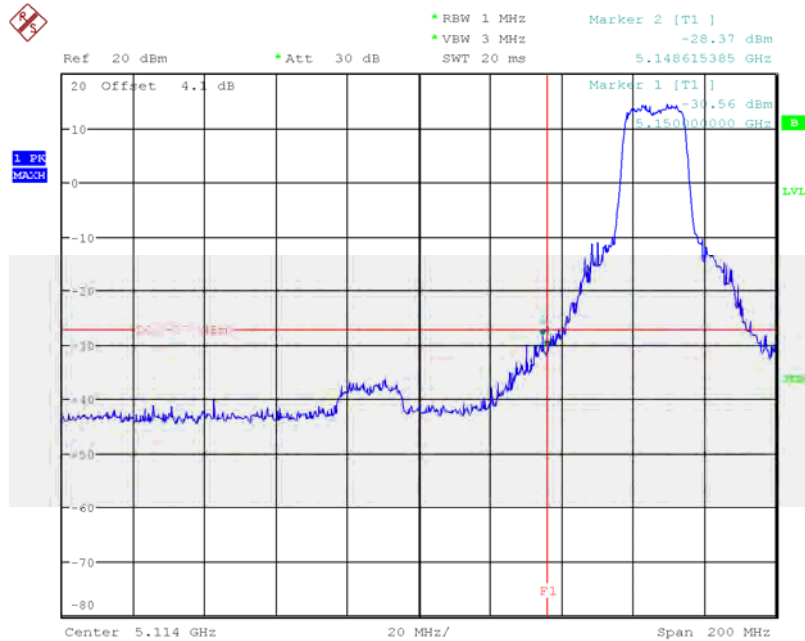


Date: 20.JAN.2014 15:49:21



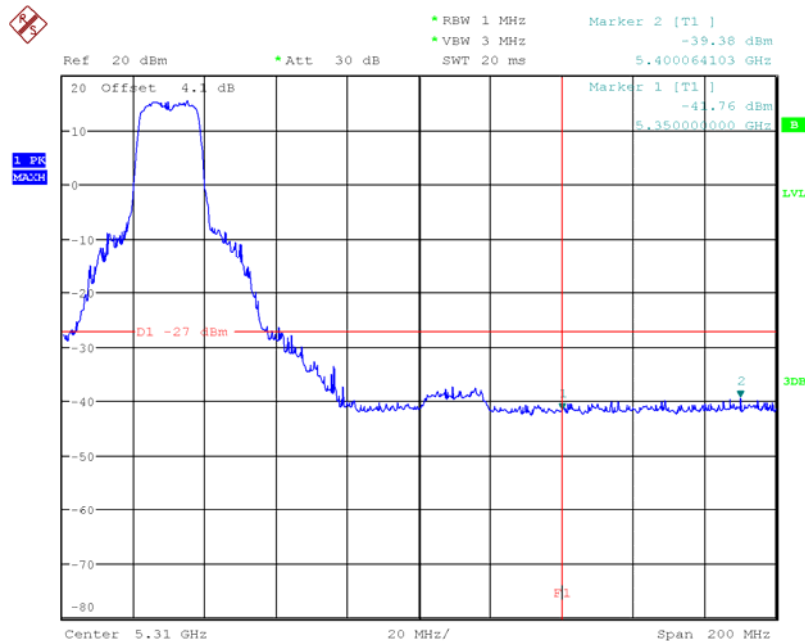
Test Mode : Band 1/TX N20 Mode-ANT 2

TX mode CH36



Date: 20.JAN.2014 10:35:00

TX mode CH48

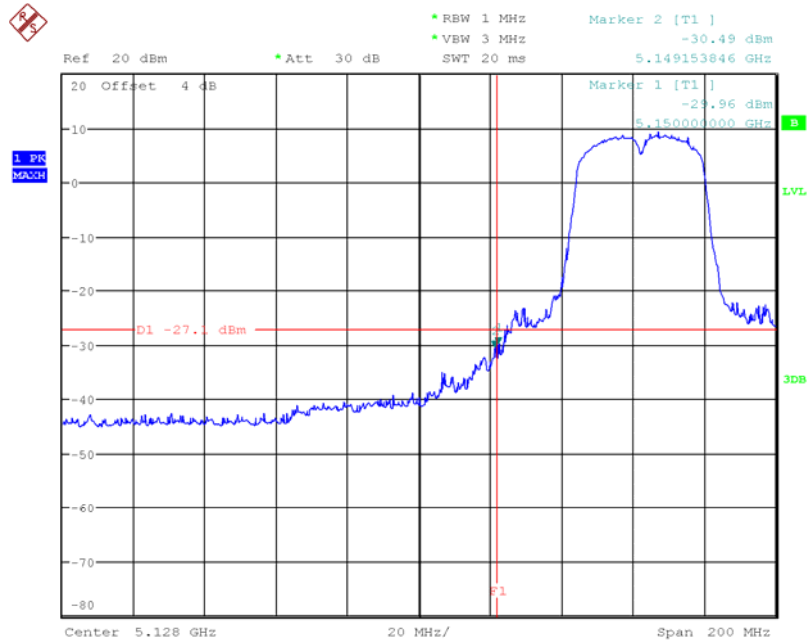


Date: 20.JAN.2014 10:47:53



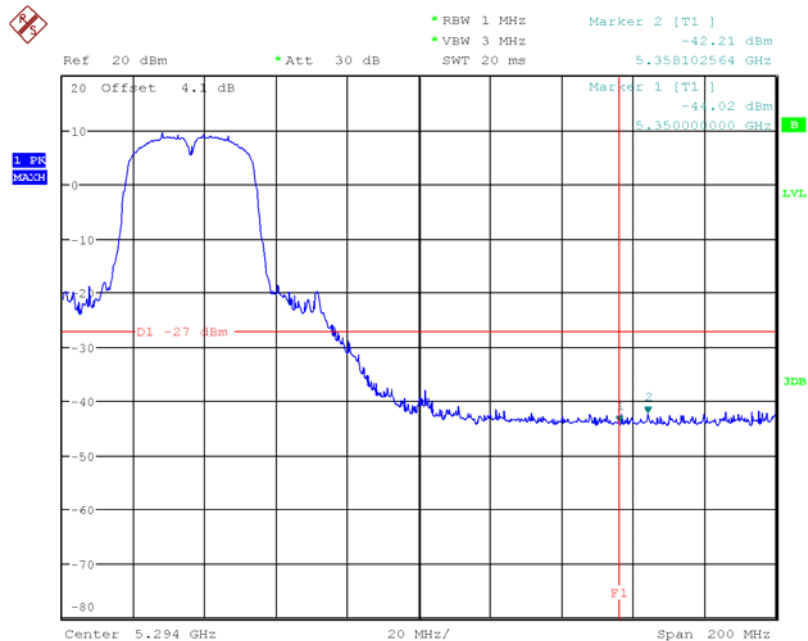
Test Mode : Band 1/TX N40 Mode-ANT 1

TX mode CH38



Date: 20.JAN.2014 14:38:13

TX mode CH46

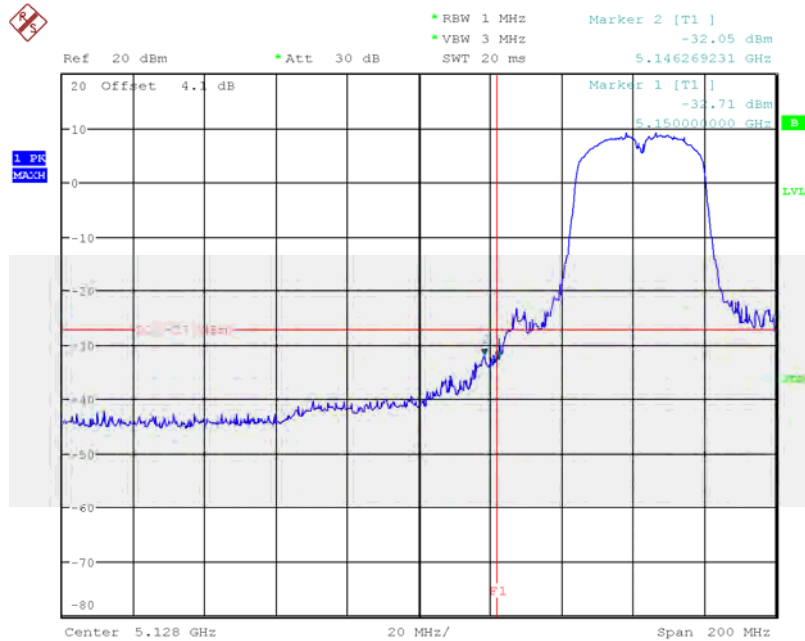


Date: 20.JAN.2014 14:43:57



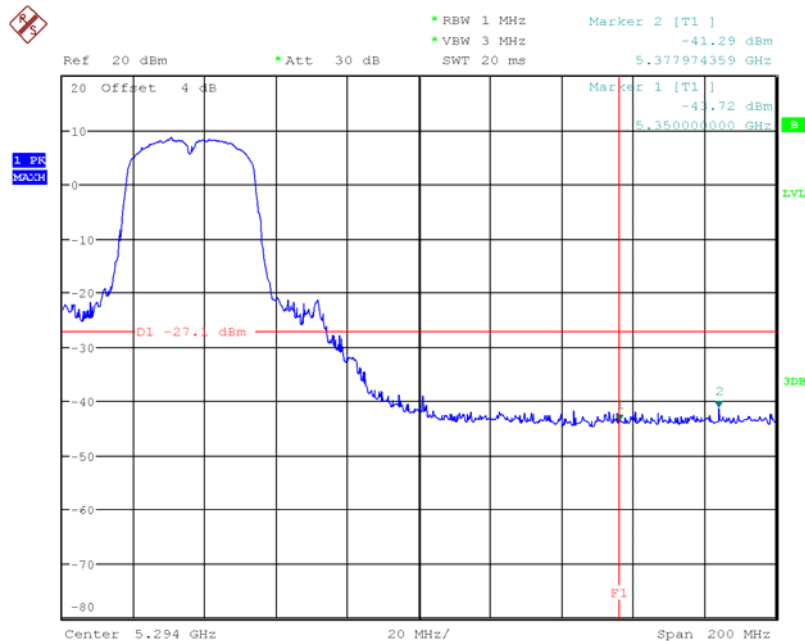
Test Mode : Band 1/TX N40 Mode-ANT 2

TX mode CH38



Date: 20.JAN.2014 14:37:01

TX mode CH46

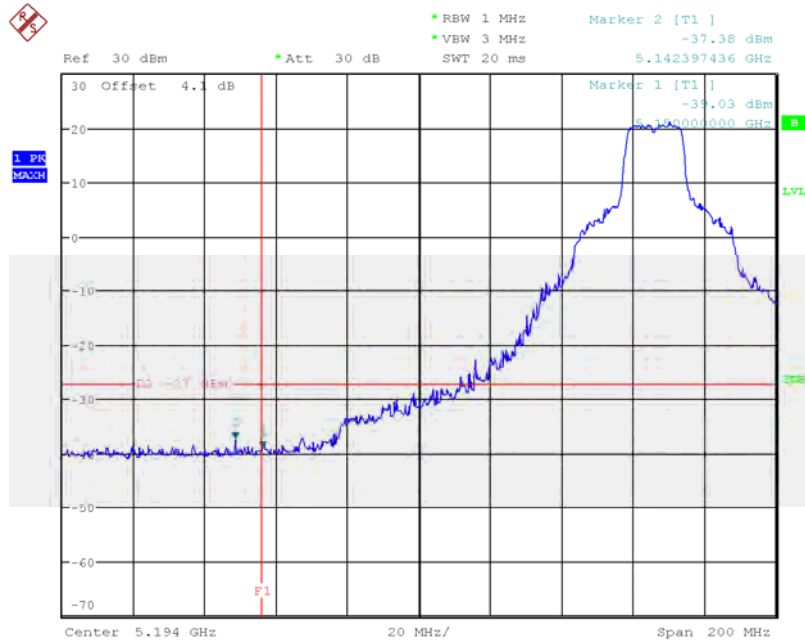


Date: 20.JAN.2014 14:41:48



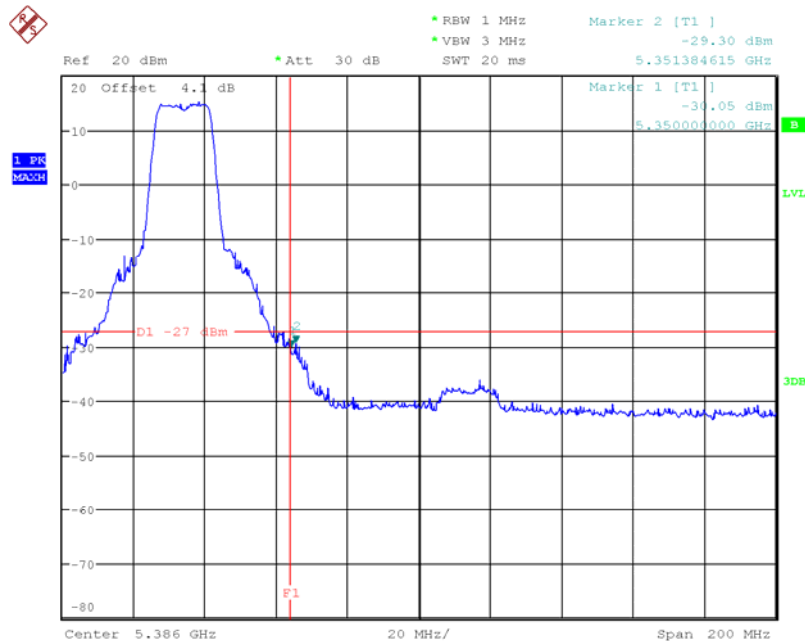
Test Mode : Band 2/TX A Mode

TX mode CH52



Date: 20.JAN.2014 09:40:09

TX mode CH64

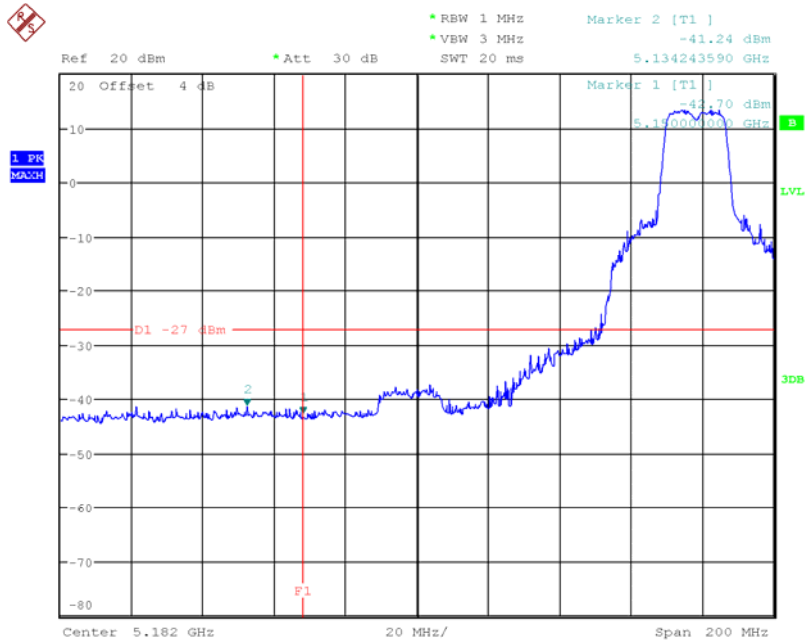


Date: 20.JAN.2014 09:59:11



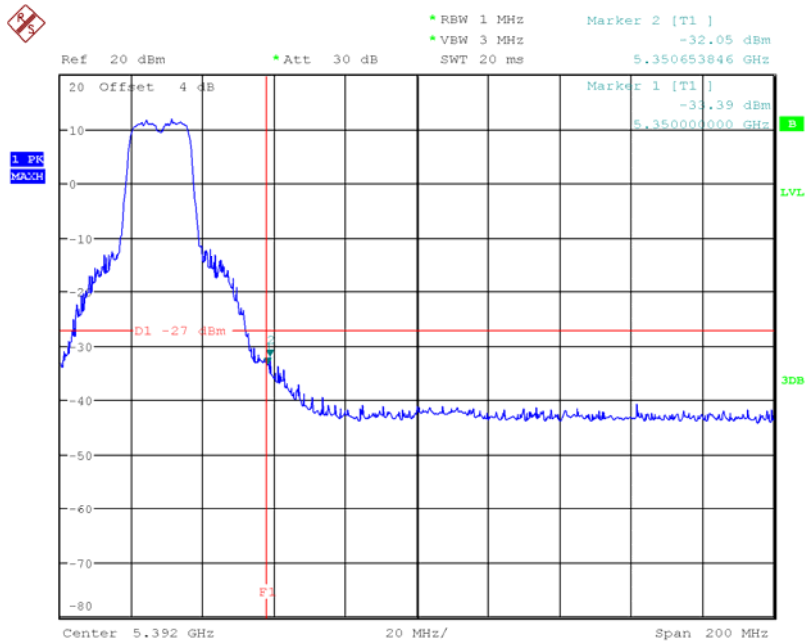
Test Mode : Band 2/TX N20 Mode-ANT 1

TX mode CH52



Date: 20.JAN.2014 15:53:26

TX mode CH64

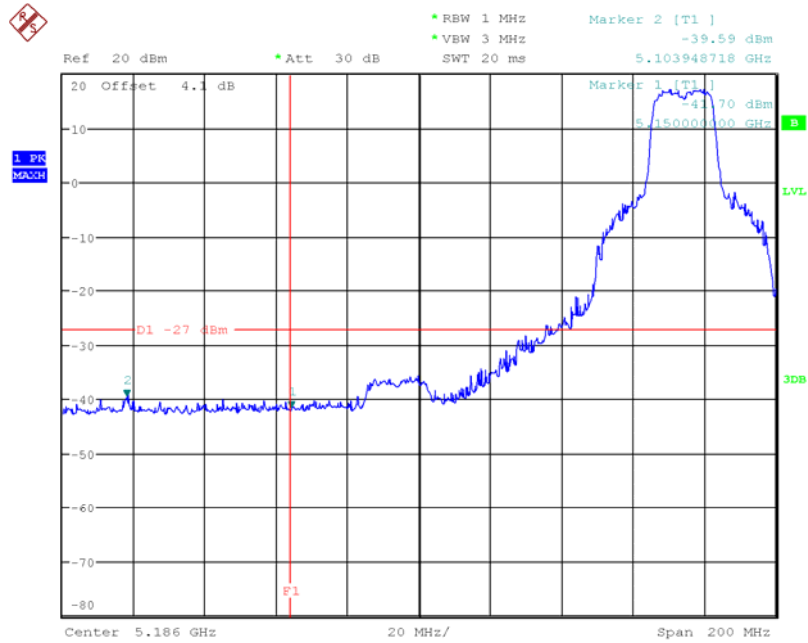


Date: 20.JAN.2014 16:01:05



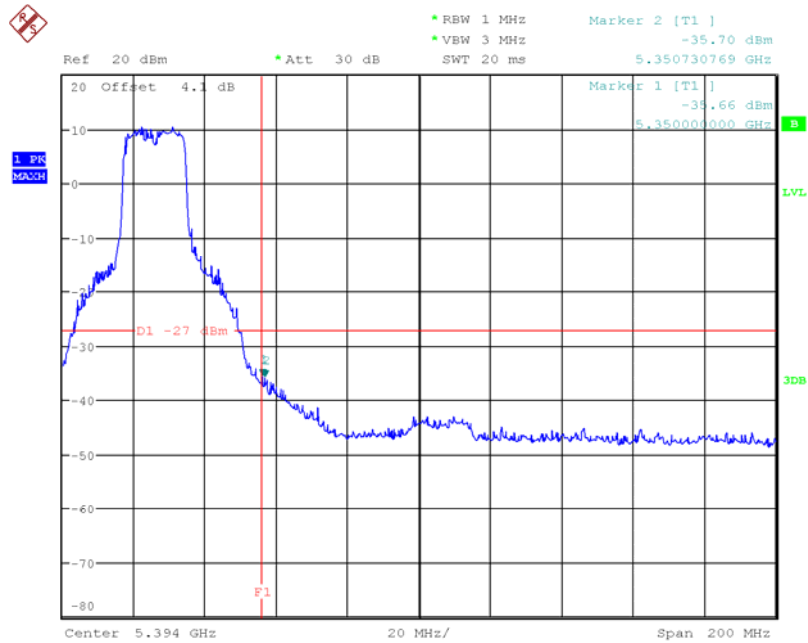
Test Mode : Band 2/TX N20 Mode-ANT 2

TX mode CH52



Date: 20.JAN.2014 10:51:44

TX mode CH64

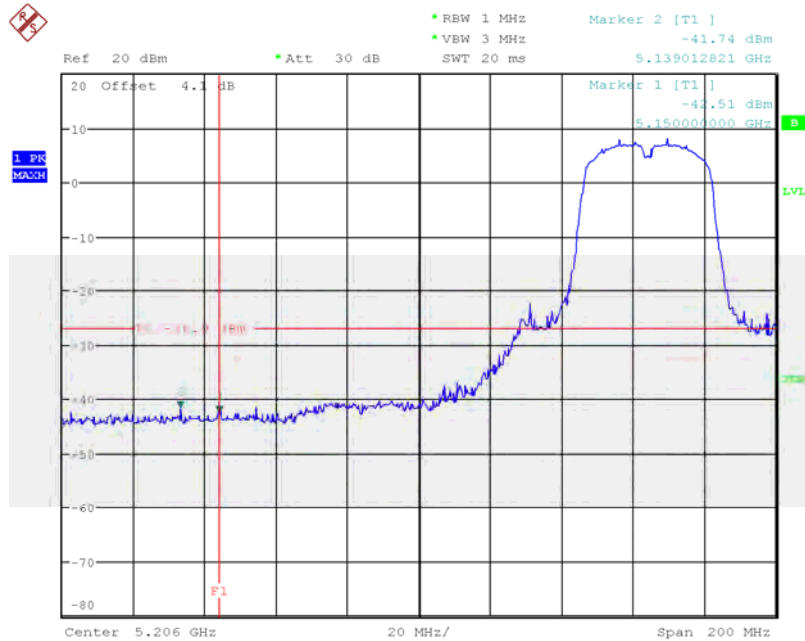


Date: 20.JAN.2014 11:02:05



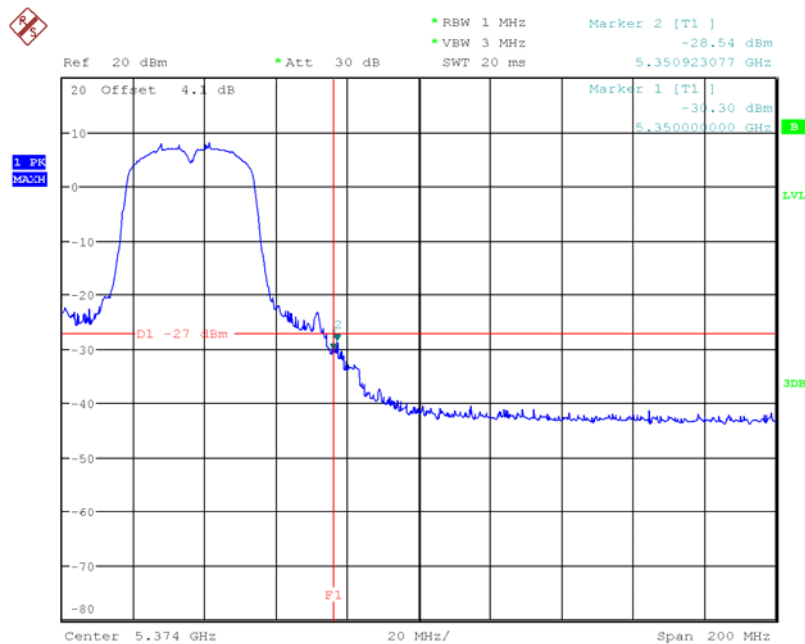
Test Mode : Band 2/TX N40 Mode-ANT 1

TX mode CH54



Date: 20.JAN.2014 15:01:11

TX mode CH62

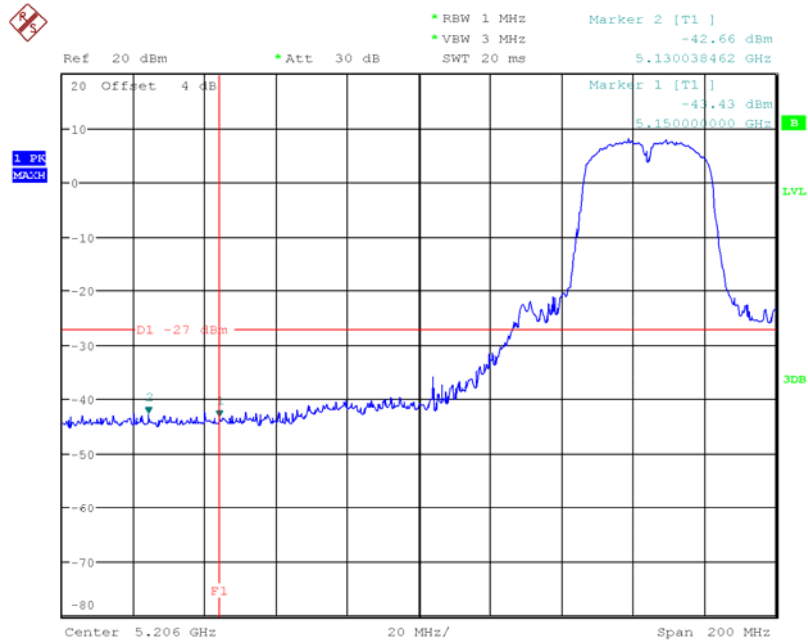


Date: 20.JAN.2014 15:07:39



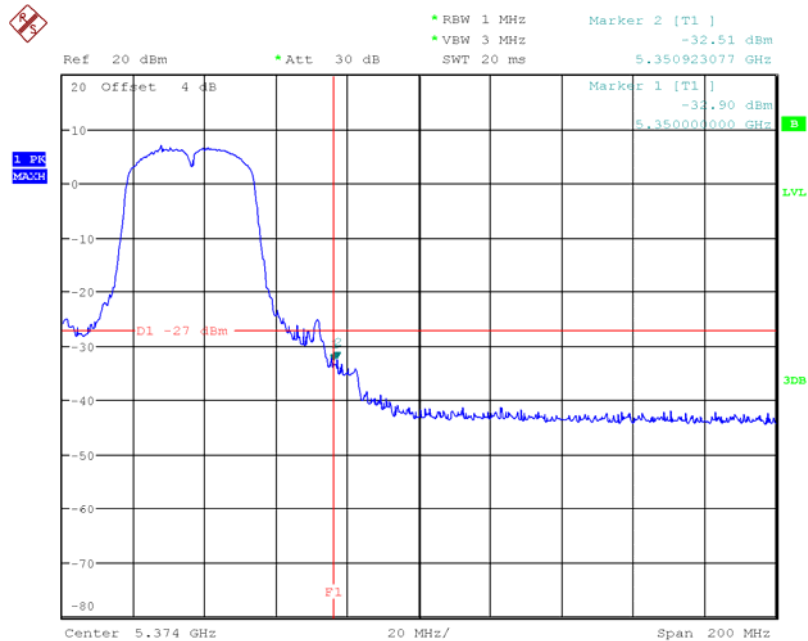
Test Mode : Band 2/TX N40 Mode-ANT 2

TX mode CH54



Date: 20.JAN.2014 15:01:49

TX mode CH62

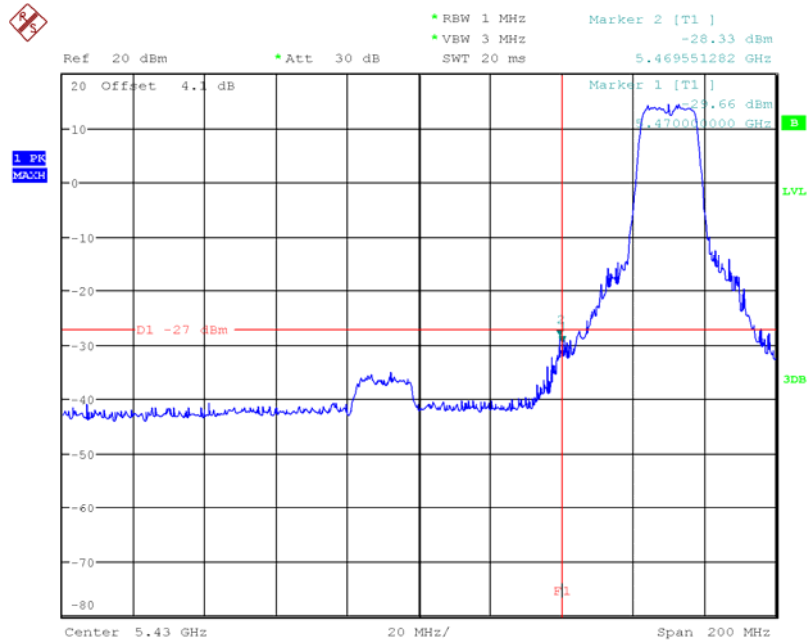


Date: 20.JAN.2014 15:05:21



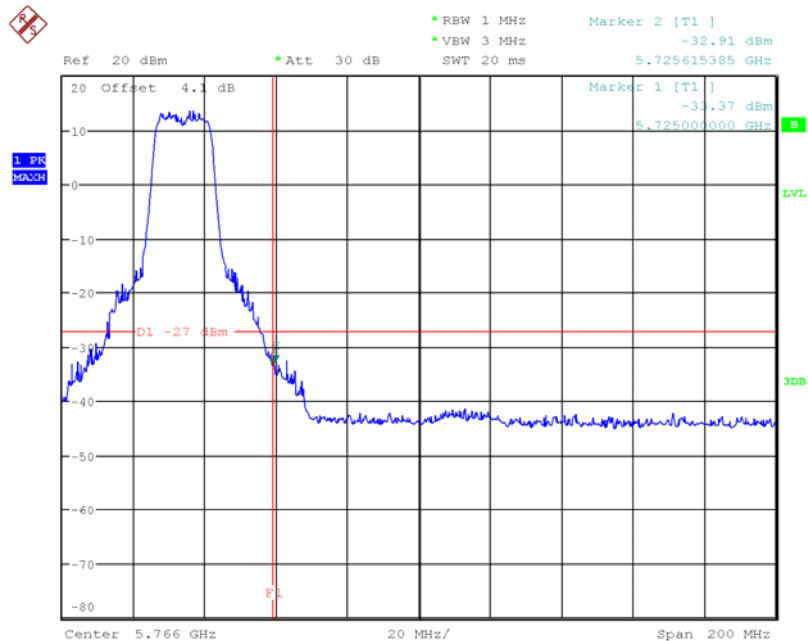
Test Mode : Band 3/TX A Mode

TX mode CH100



Date: 20.JAN.2014 10:03:30

TX mode CH140

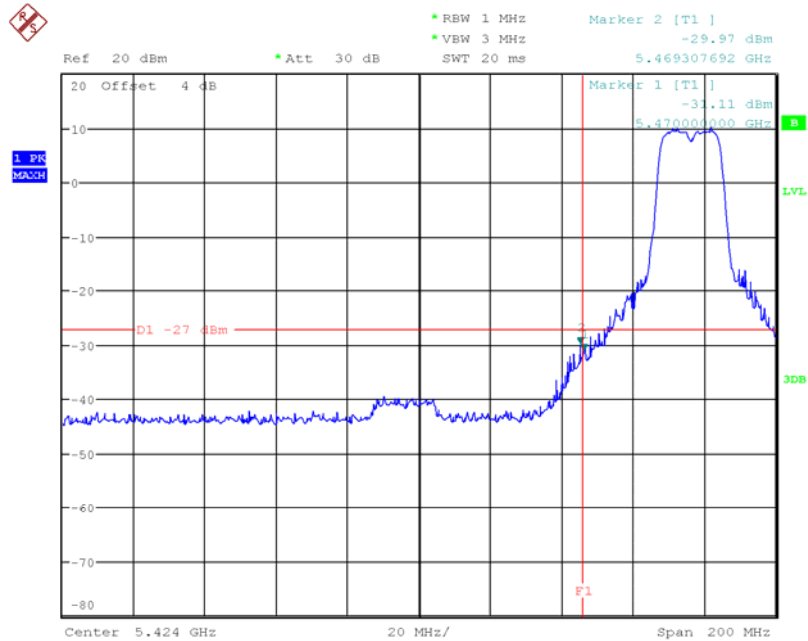


Date: 20.JAN.2014 10:30:48



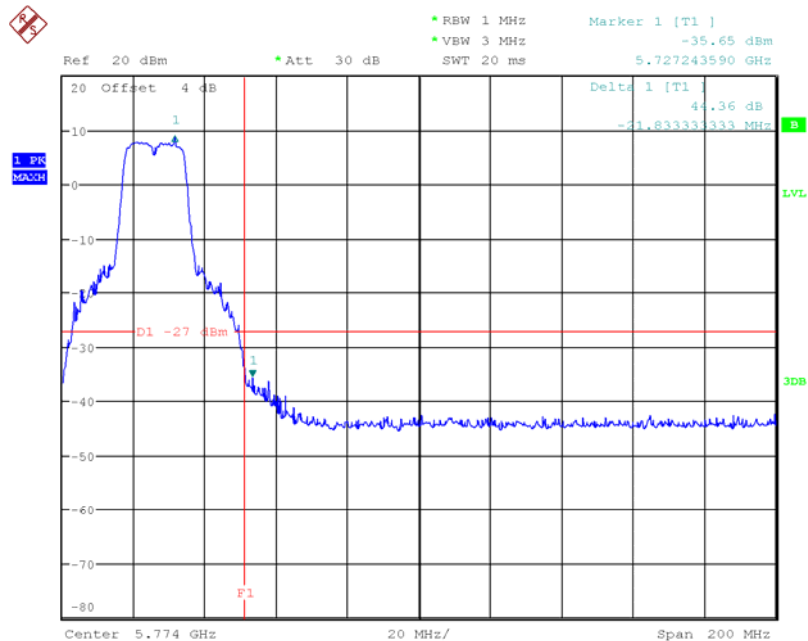
Test Mode : Band 3/TX N20 Mode-ANT 1

TX mode CH100



Date: 20.JAN.2014 16:03:12

TX mode CH140

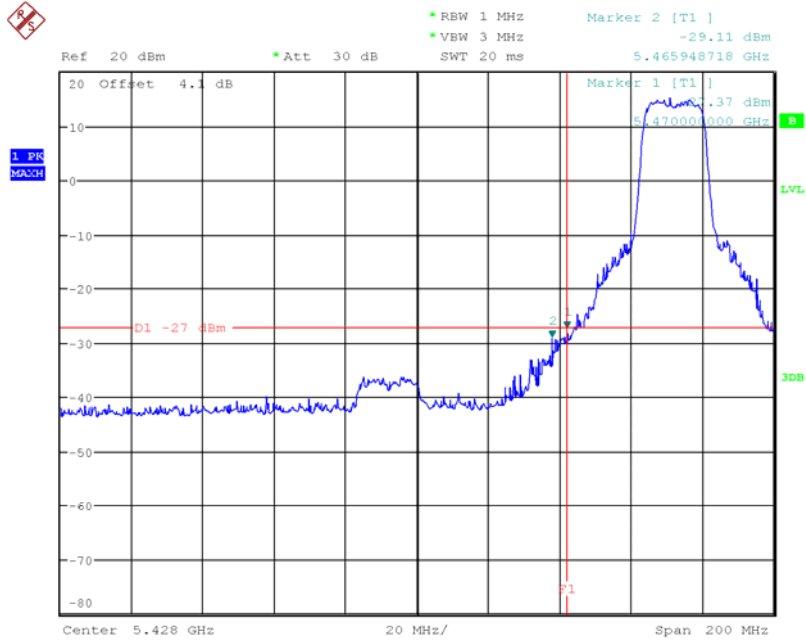


Date: 20.JAN.2014 16:11:48



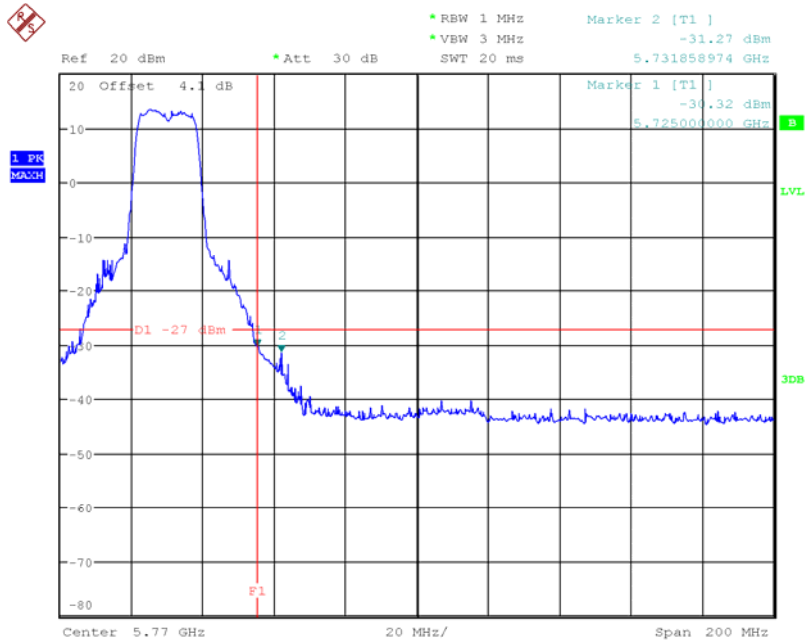
Test Mode : Band 3/TX N20 Mode-ANT 2

TX mode CH100



Date: 20.JAN.2014 11:06:43

TX mode CH140

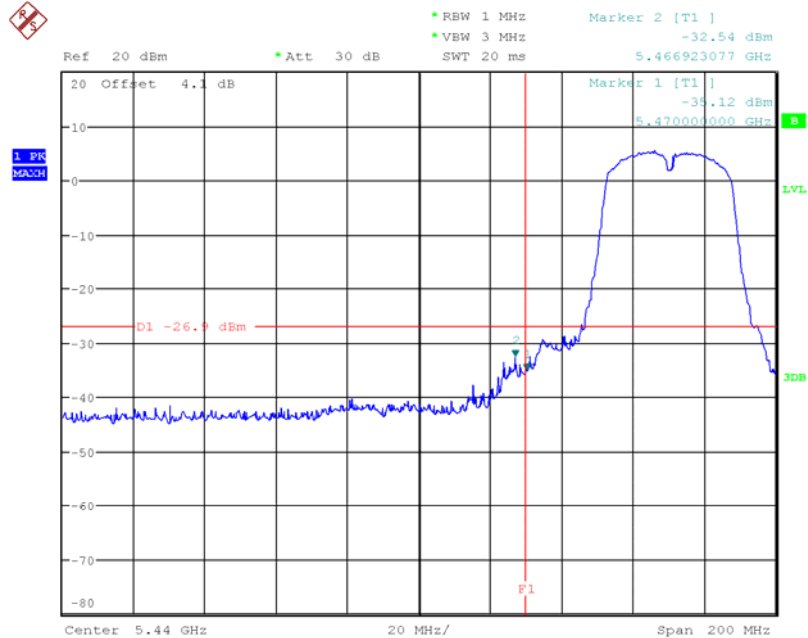


Date: 20.JAN.2014 12:57:25



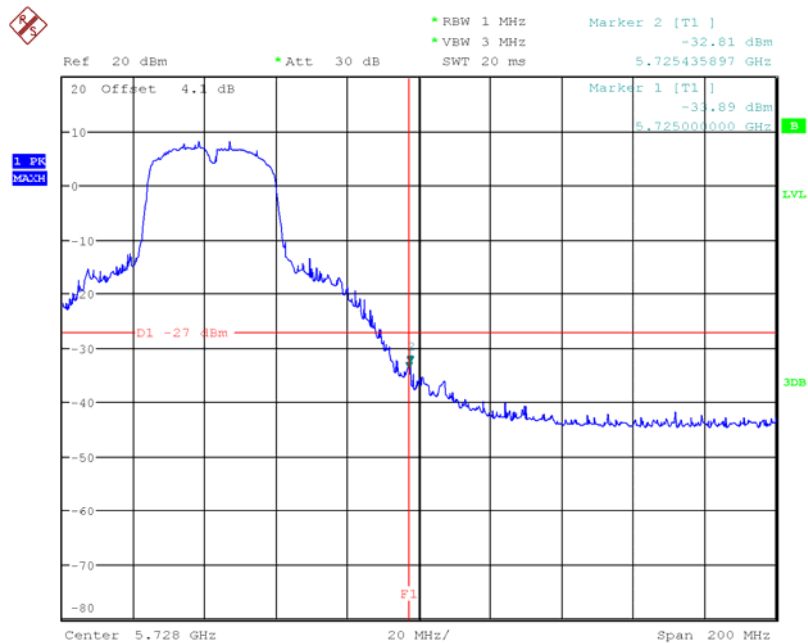
Test Mode : Band 3/TX N40 Mode-ANT 1

TX mode CH102



Date: 20.JAN.2014 15:19:33

TX mode CH134

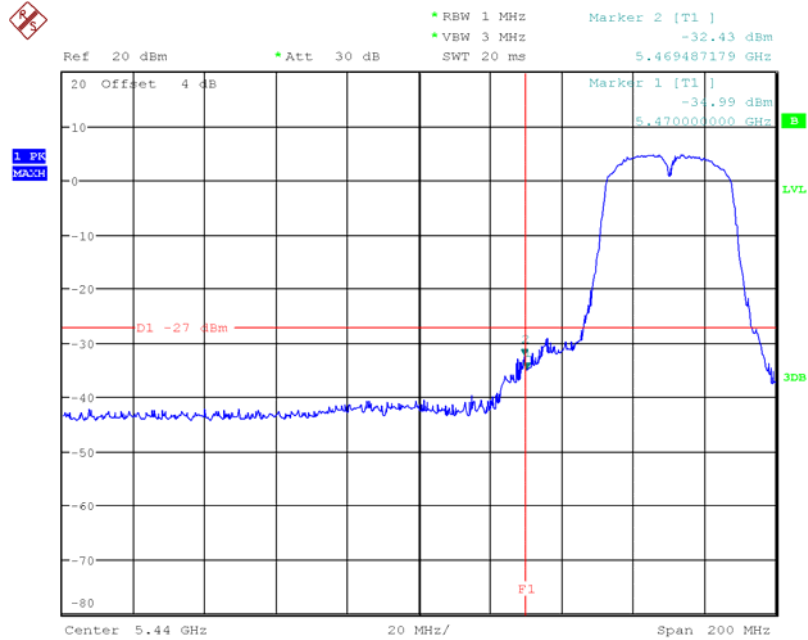


Date: 20.JAN.2014 15:34:07



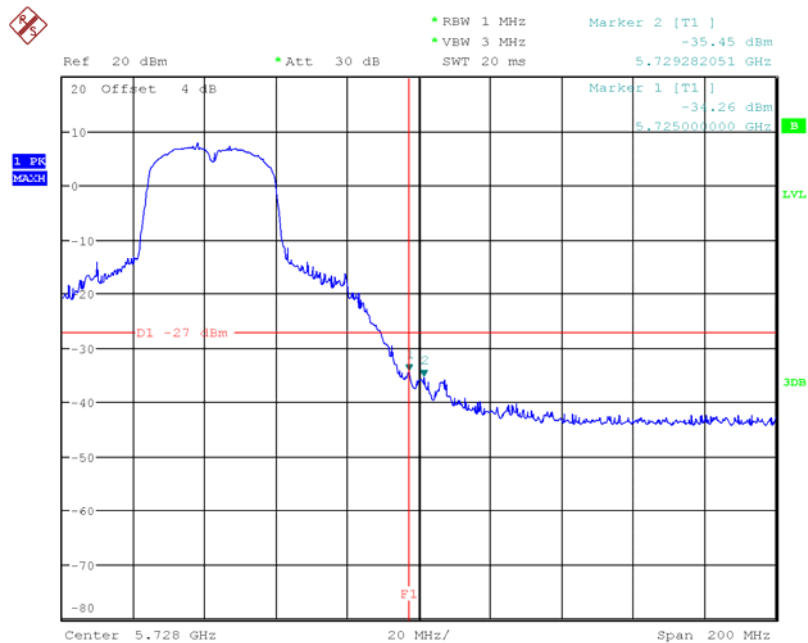
Test Mode : Band 3/TX N40 Mode-ANT 2

TX mode CH102



Date: 20.JAN.2014 15:18:50

TX mode CH134



Date: 20.JAN.2014 15:33:00



8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E/ RSS-210: 2010			
Test Item	Limit	Frequency Range (MHz)	Result
Power Spectral Density	4 dBm	5150 - 5250	PASS
	11 dBm	5250 - 5350	PASS
	11 dBm	5470 - 5725	PASS

8.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RB	= 1 MHz.
VB	≥ 3 MHz.
Detector	RMS
Trace	Max Hold
Sweep Time	Auto

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

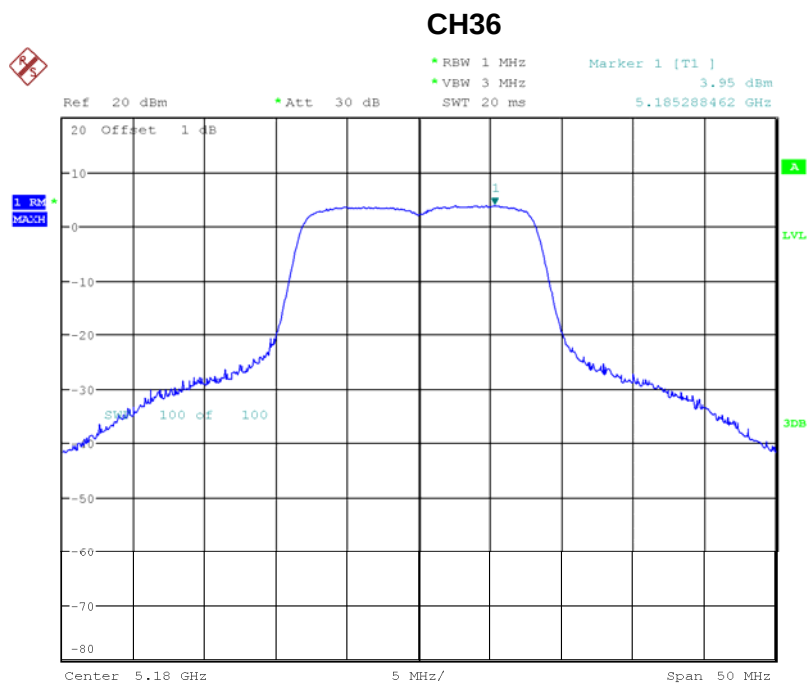
8.1.5 EUT TEST CONDITIONS

Temperature: 25°C
Relative Humidity: 55%
Test Voltage: 120V/60Hz



8.1.6 TEST RESULTS

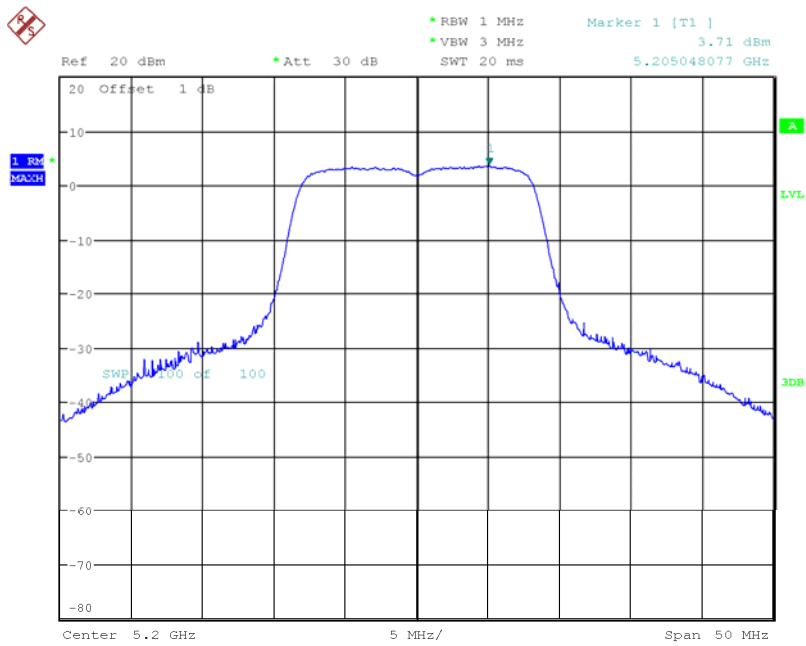
Test Mode : Band 1/TX A Mode_CH36/40/48



Date: 20.JAN.2014 09:12:16

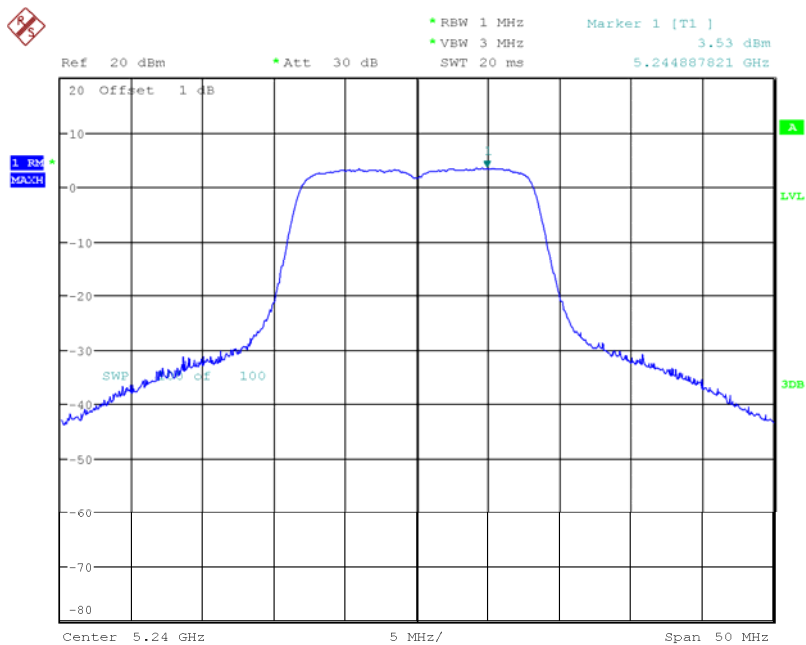


CH40



Date: 20.JAN.2014 09:21:46

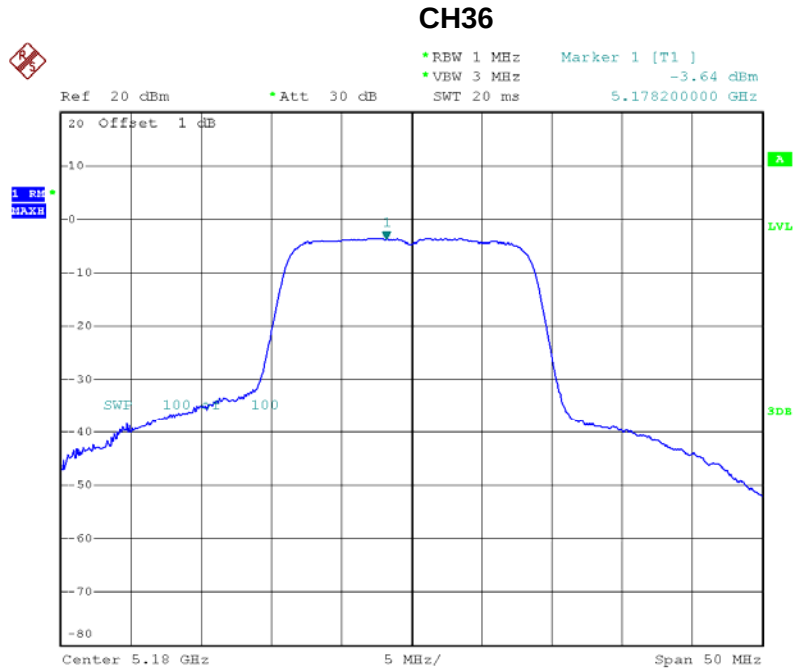
CH48



Date: 20.JAN.2014 09:30:16



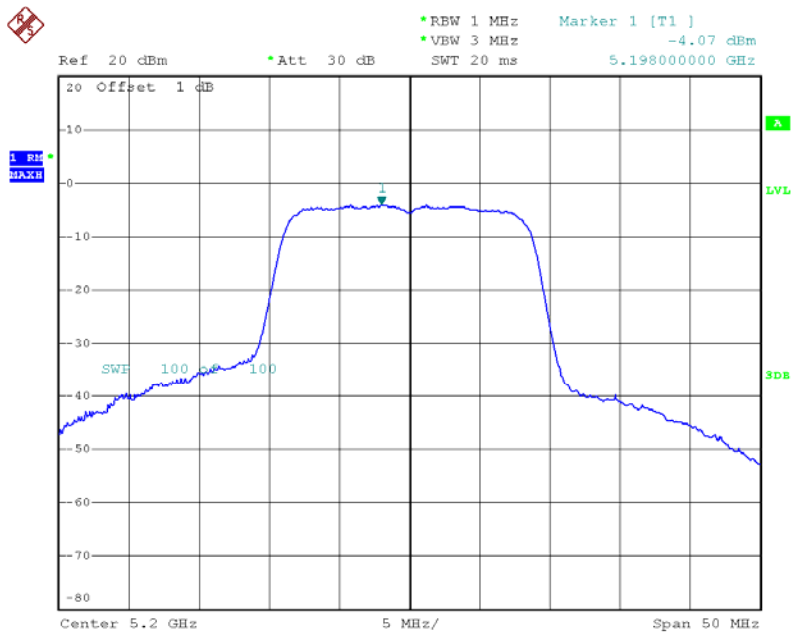
Test Mode : Band 1/TX N20 Mode_CH13/40/48-ANT 1



Date: 20.JAN.2014 13:09:44

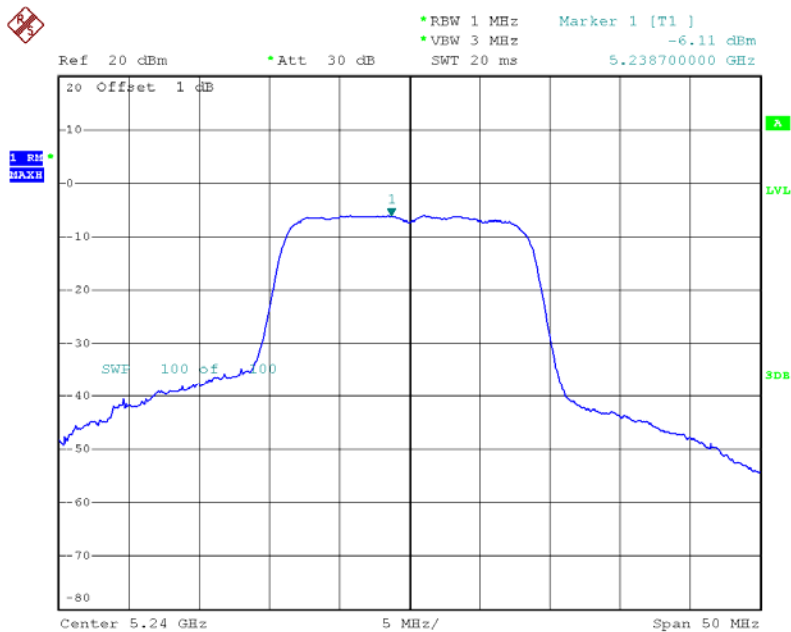


CH40



Date: 20.JAN.2014 13:10:51

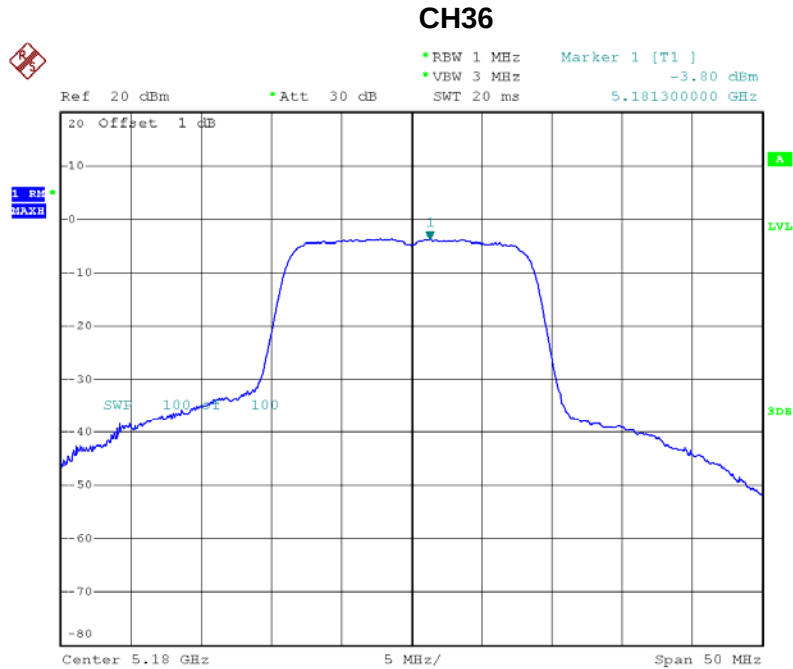
CH48



Date: 20.JAN.2014 13:11:56



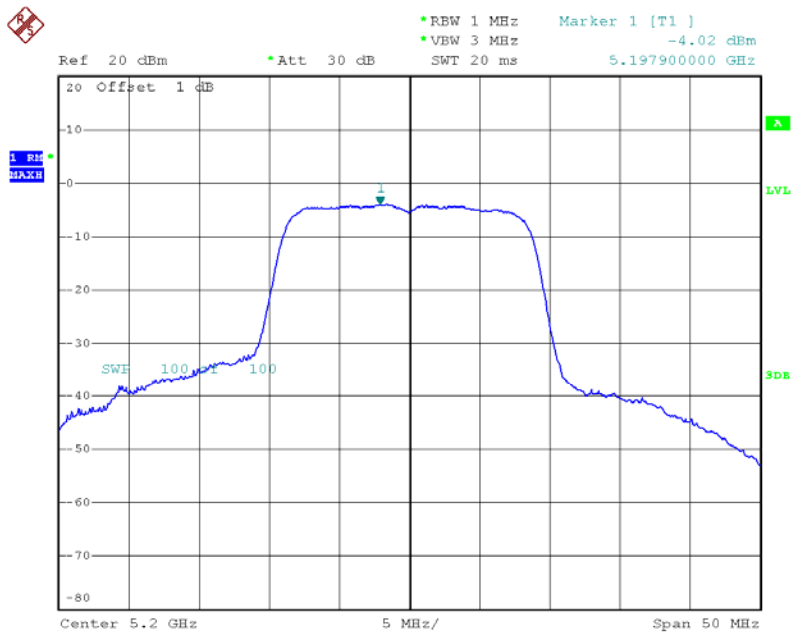
Test Mode : Band 1/TX N20 Mode_CH13/40/48-ANT 2



Date: 20.JAN.2014 13:07:12

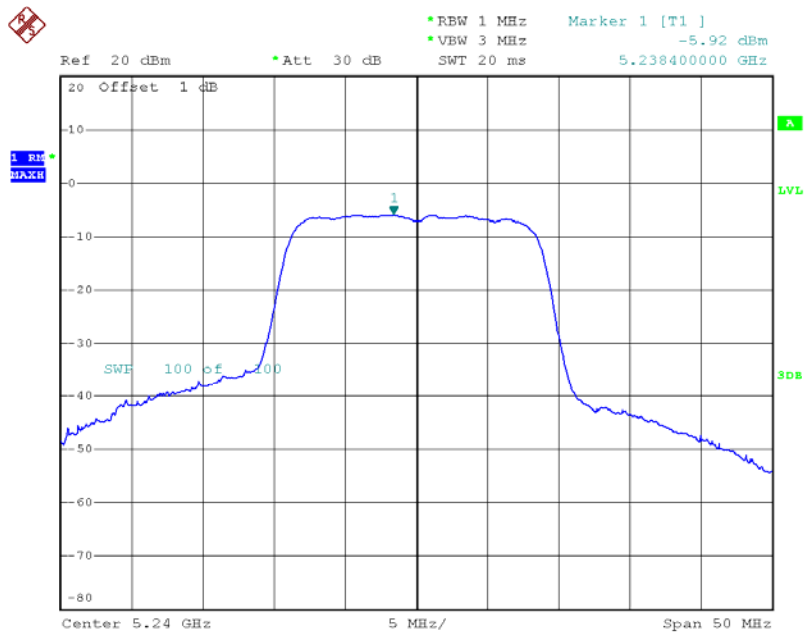


CH40



Date: 20.JAN.2014 13:06:09

CH48



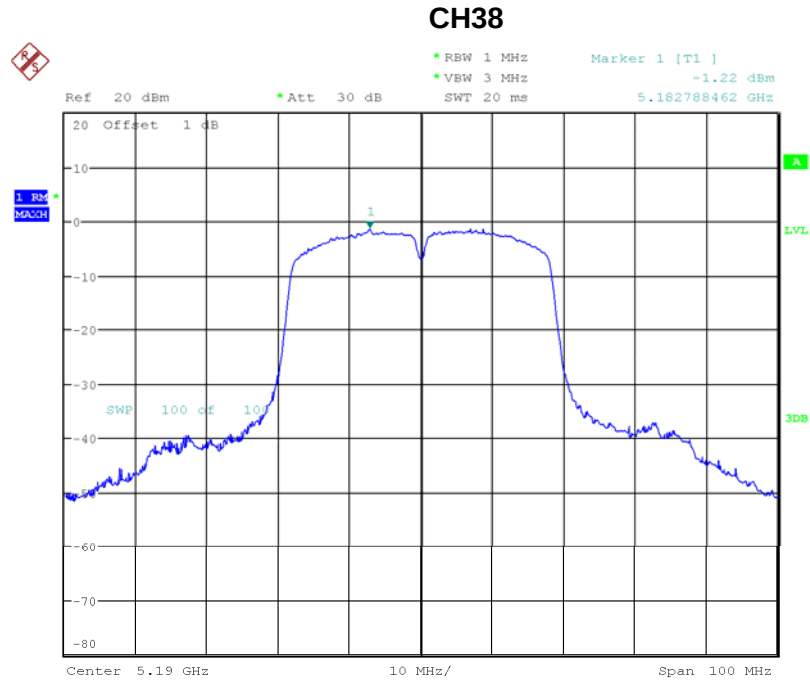
Date: 20.JAN.2014 13:04:59



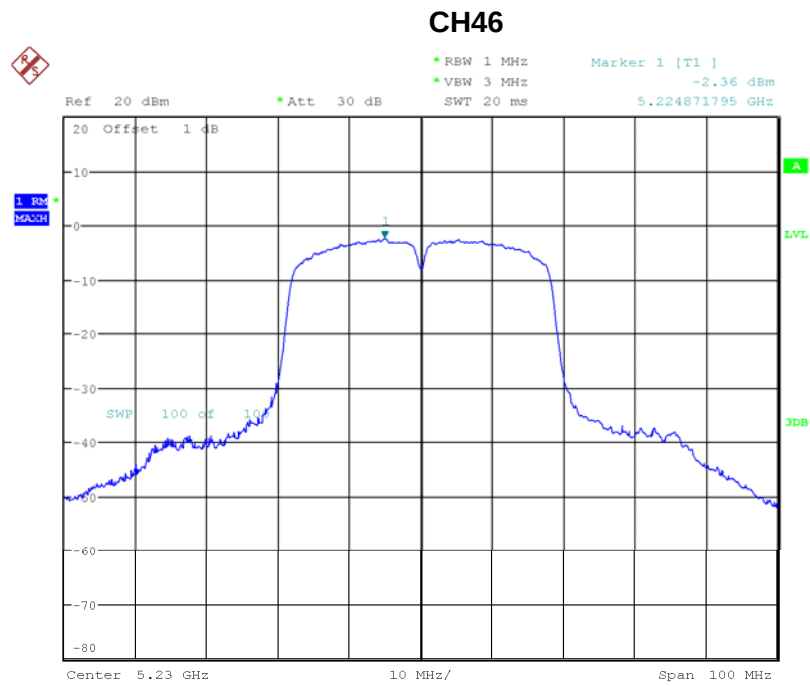
Test Mode : Band 1/TX N20 Mode-Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH36	5180	-0.71	4.00
CH40	5200	-1.03	4.00
CH48	5240	-2.95	4.00



Test Mode : Band 1/TX N40 Mode_CH38/46-ANT 1



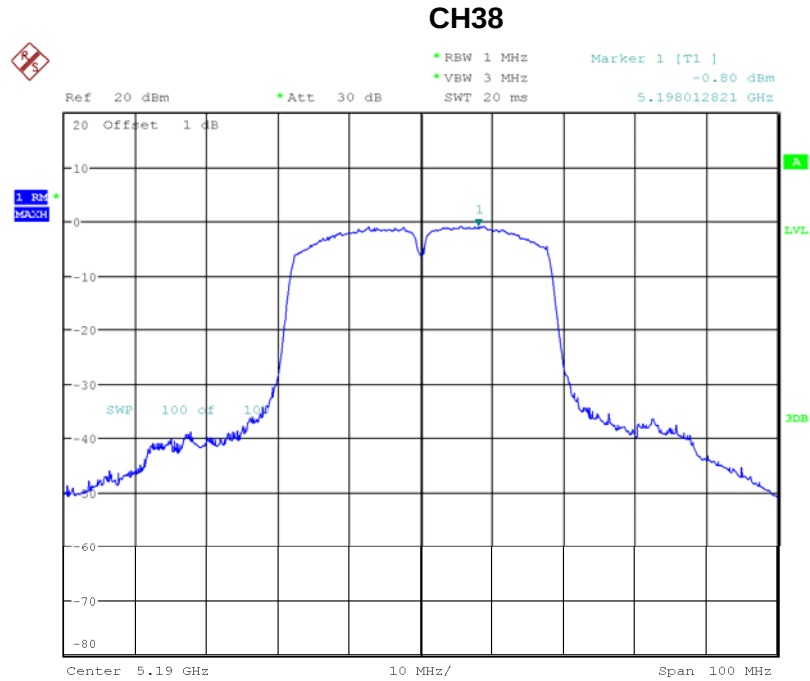
Date: 20.JAN.2014 14:29:44



Date: 20.JAN.2014 14:40:32



Test Mode : Band 1/TX N40 Mode_CH38/46-ANT 2



Date: 20.JAN.2014 14:29:11

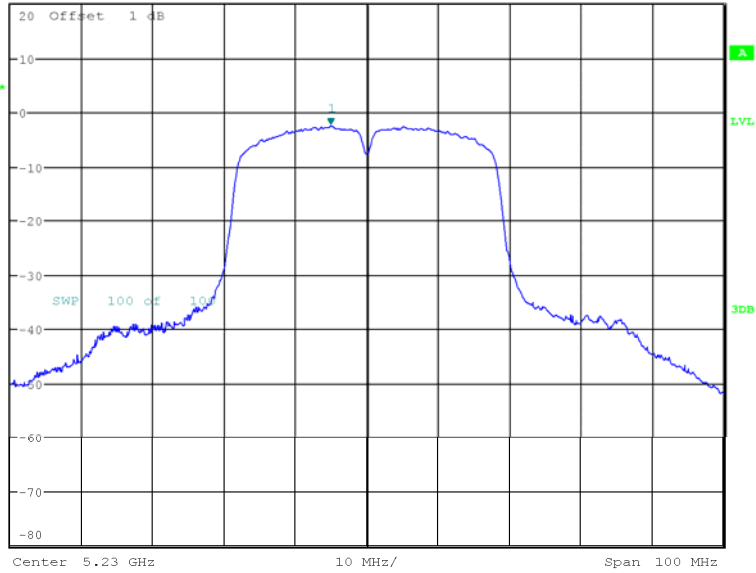


1 RM
MACH

SWT 20 ms

4871795 GHz

5.224871795 GHz



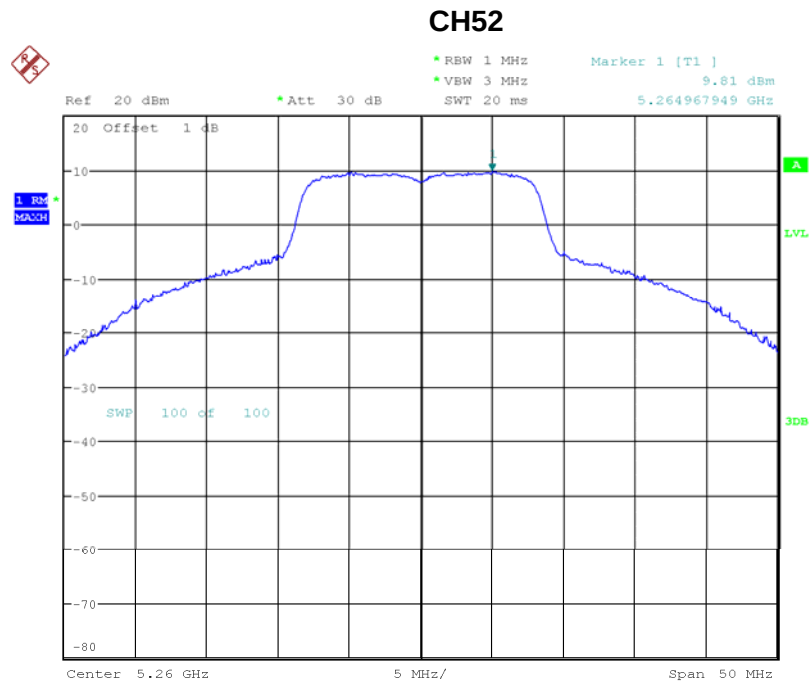
Date: 20.JAN.2014 14:39:36



Test Mode : Band 1/TX N40 Mode-Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH38	5190	1.97	4.00
CH46	5230	0.63	4.00



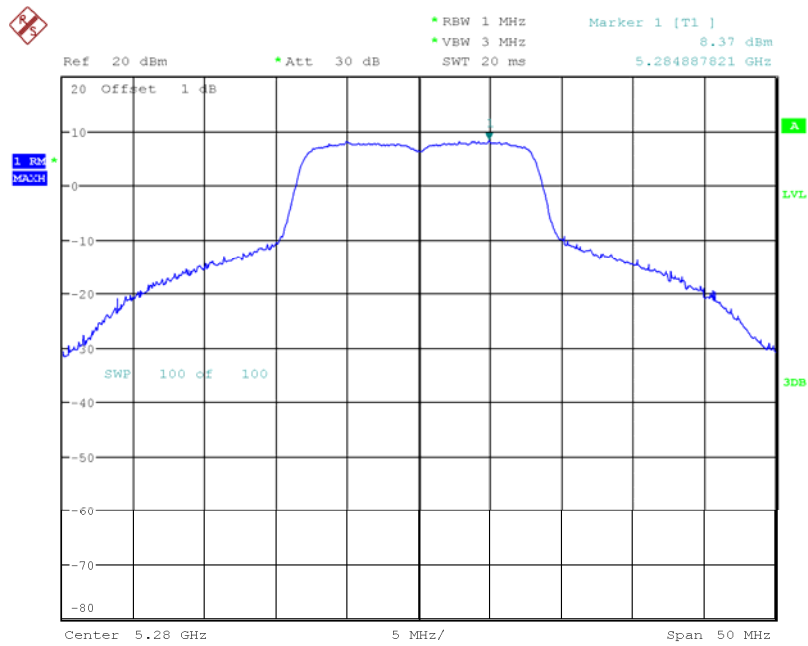
Test Mode : Band 2/TX A Mode_CH52/56/64



Date: 20.JAN.2014 09:37:45

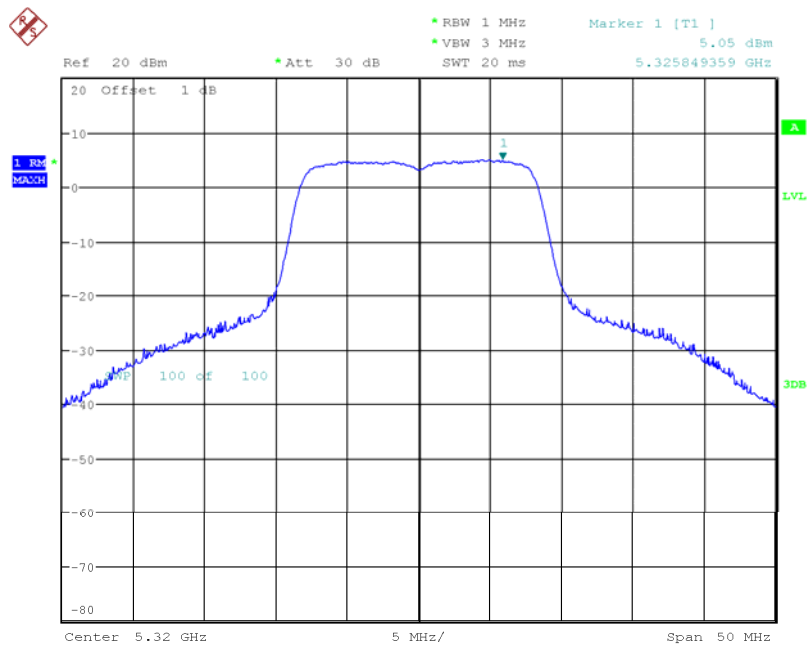


CH56



Date: 20.JAN.2014 09:46:15

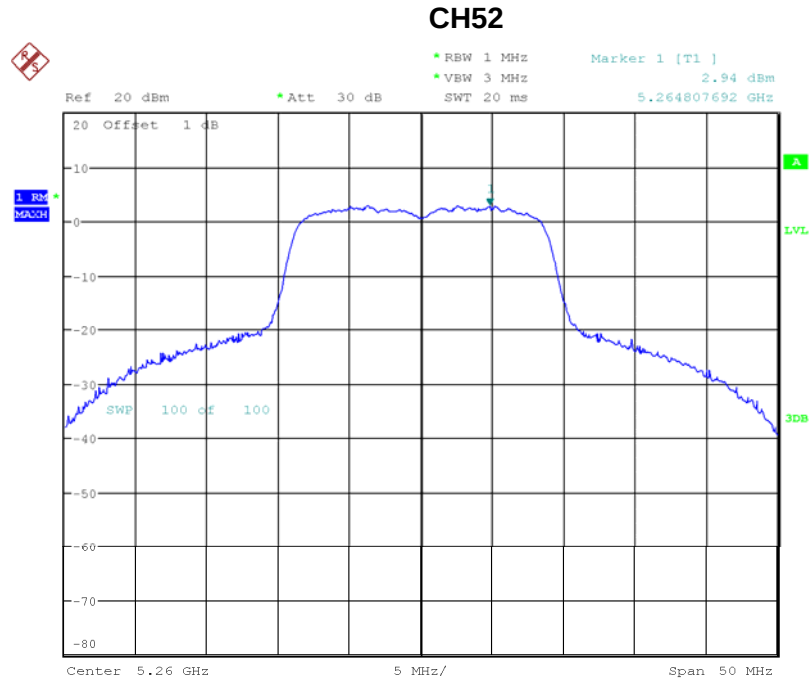
CH64



Date: 20.JAN.2014 09:50:36



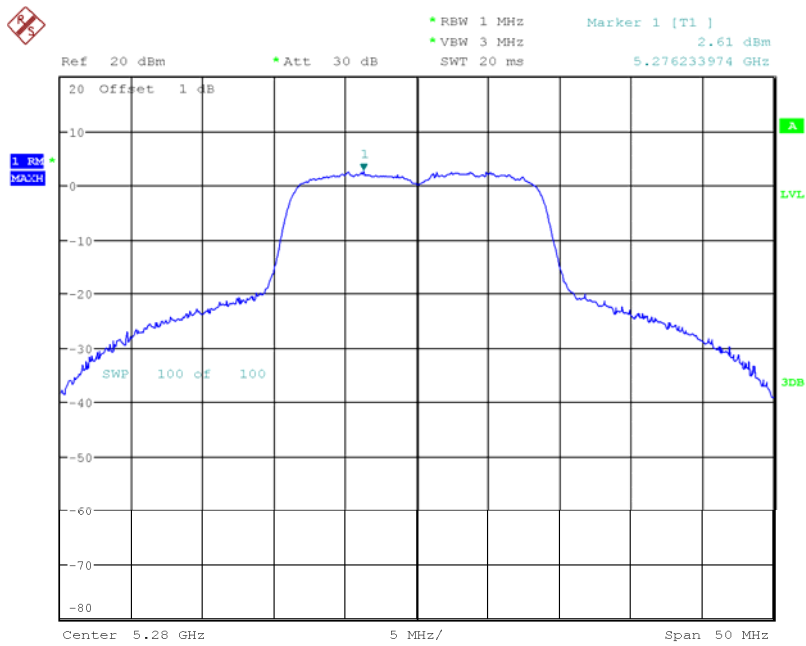
Test Mode : Band 2/TX N20 Mode_CH52/56/64-ANT 1



Date: 20.JAN.2014 15:50:52

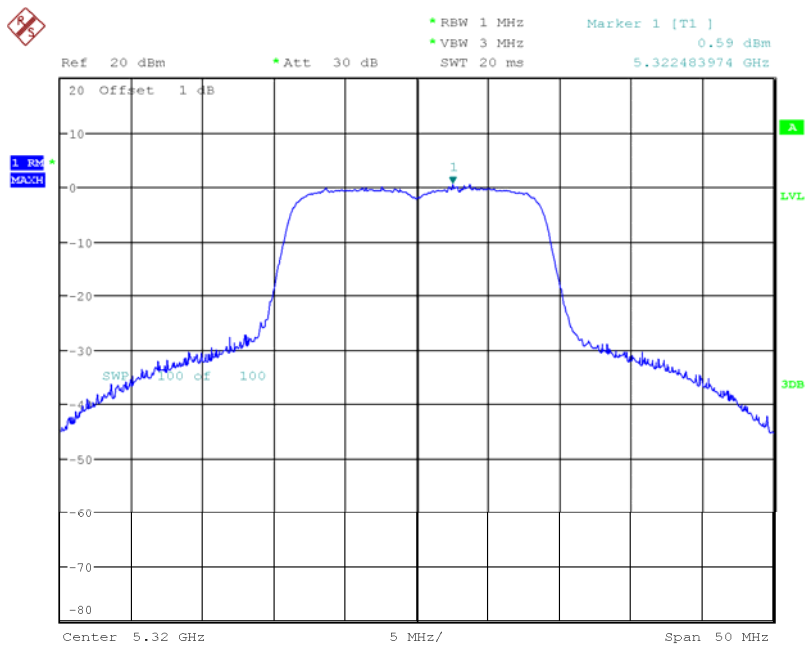


CH56



Date: 20.JAN.2014 15:56:00

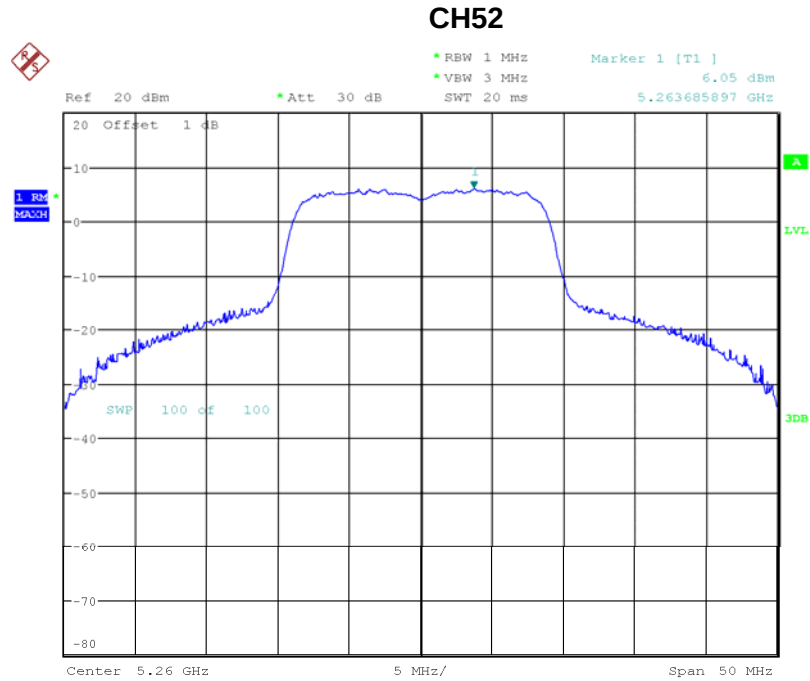
CH64



Date: 20.JAN.2014 15:58:30



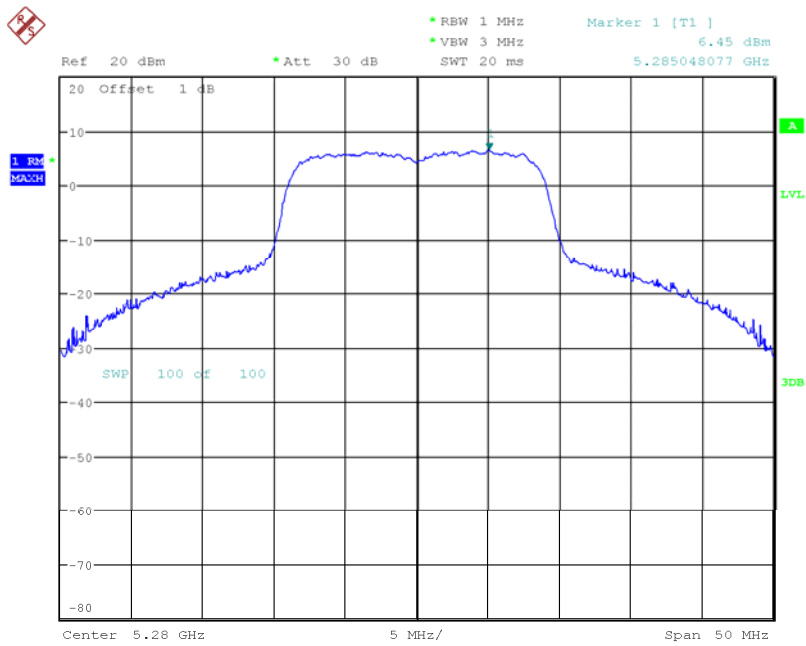
Test Mode : Band 2/TX N20 Mode_CH52/56/64-ANT 2



Date: 20.JAN.2014 10:50:01

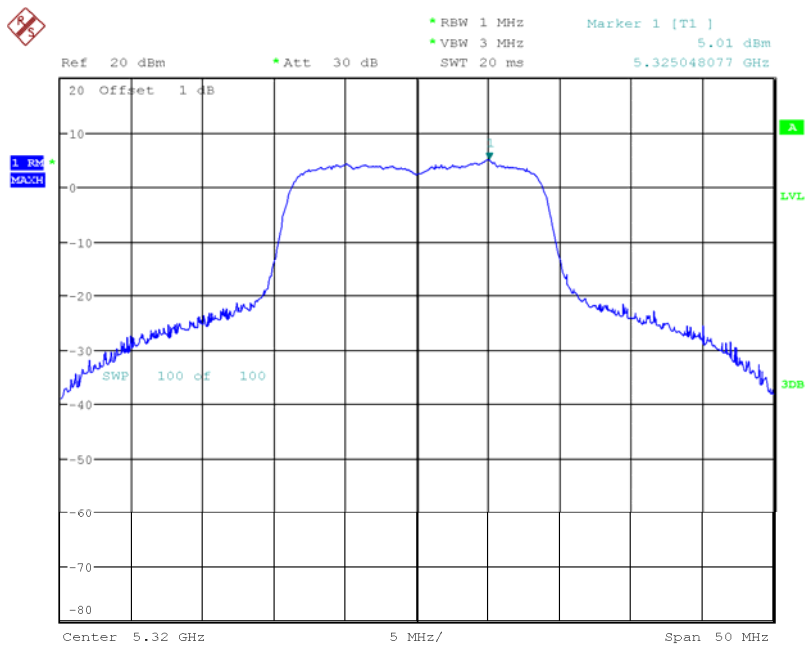


CH56



Date: 20.JAN.2014 10:54:37

CH64



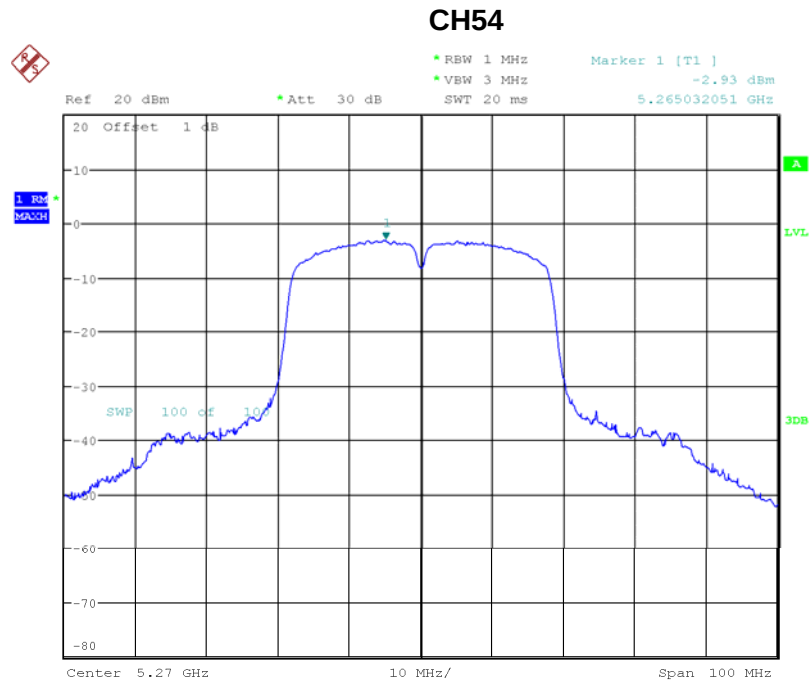
Date: 20.JAN.2014 10:57:26



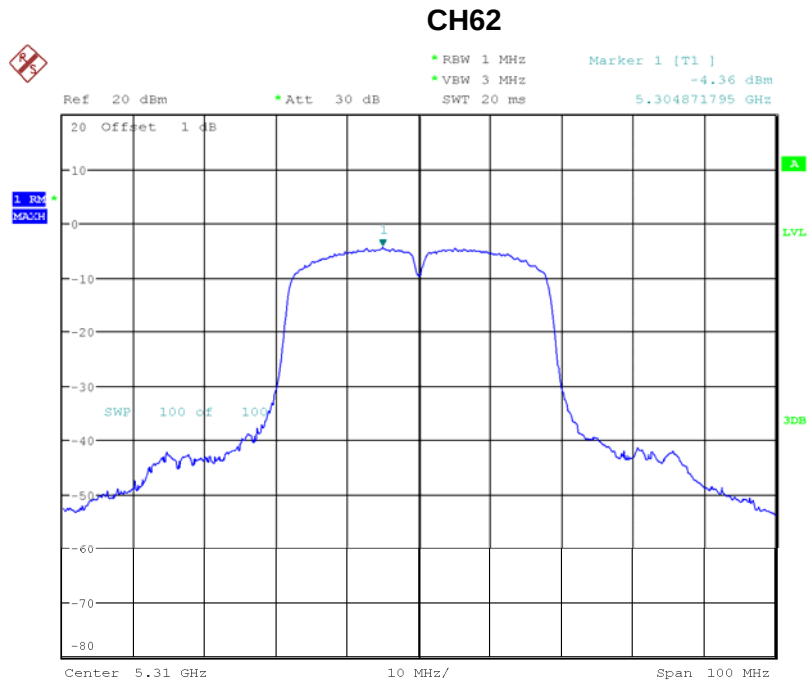
Test Mode : Band 2/TX N20 Mode-Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH52	5260	7.78	11
CH56	5280	7.95	11
CH64	5320	6.35	11



Test Mode : Band 2/TX N40 Mode_CH54/62-ANT 1



Date: 20.JAN.2014 14:51:19

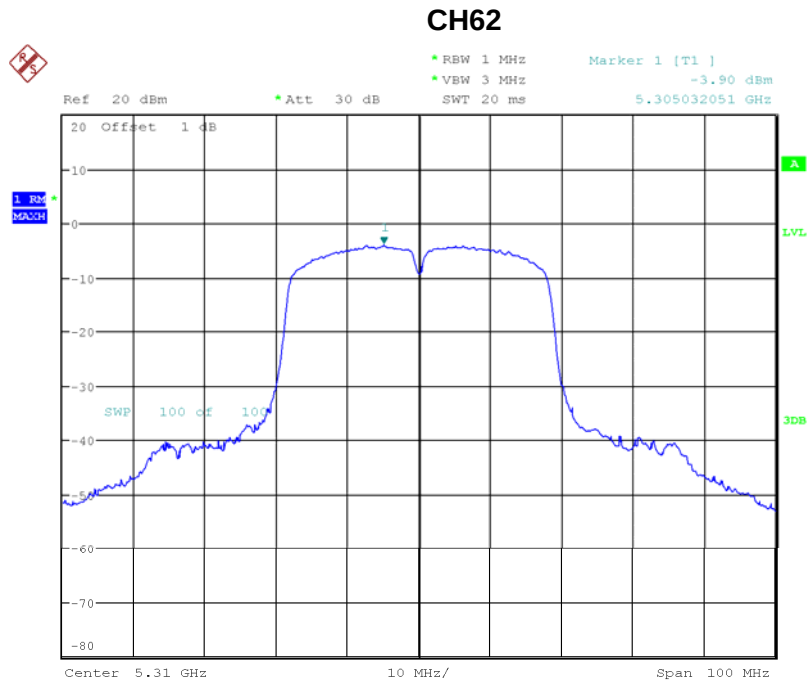


Date: 20.JAN.2014 15:03:58



CH54





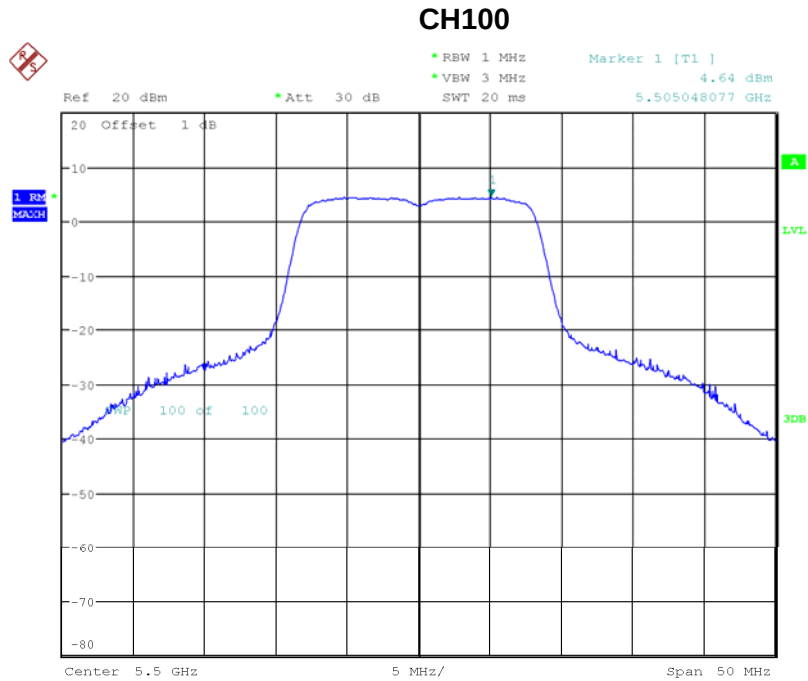
Date: 20.JAN.2014 15:02:57



Test Mode : Band 2/TX N40 Mode-Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH54	5270	-0.03	11
CH62	5310	-1.11	11



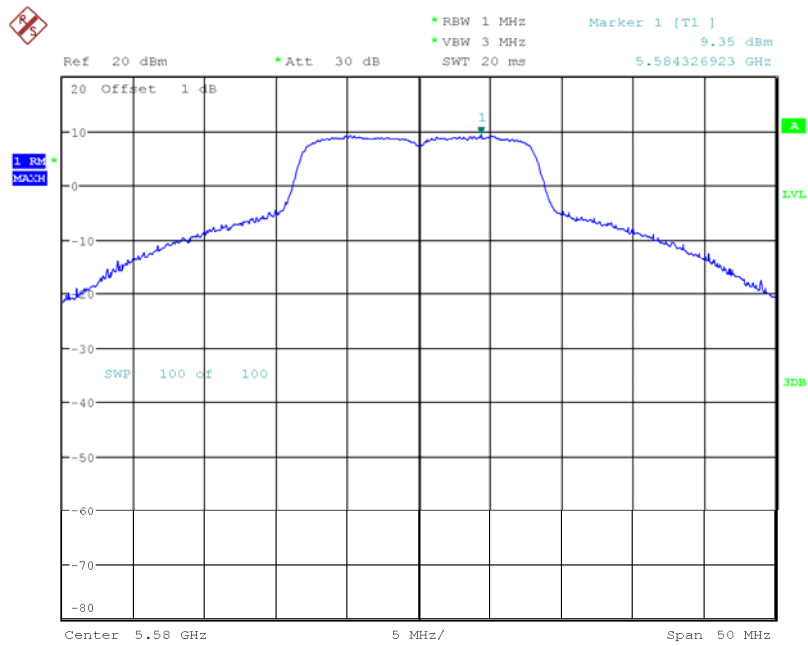
Test Mode : Band 3/TX A Mode_CH100/116/140



Date: 20.JAN.2014 10:01:25

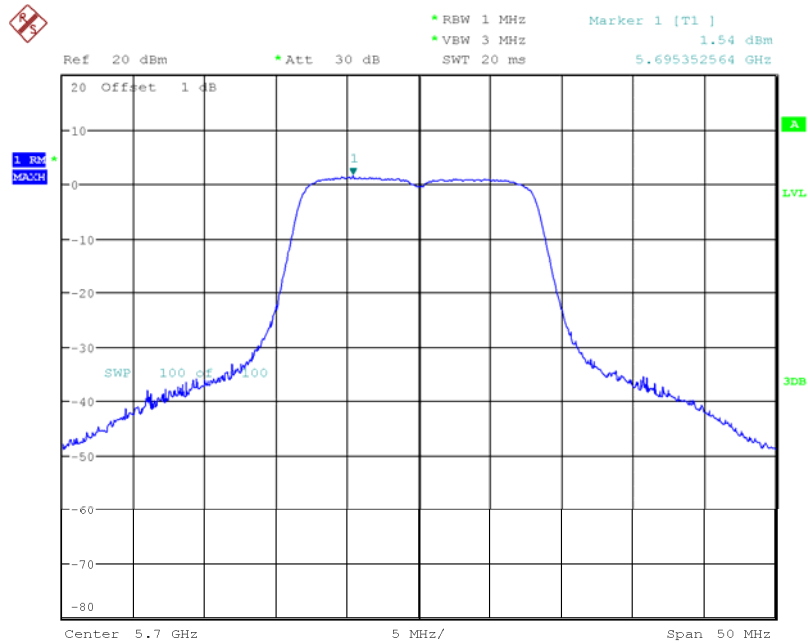


CH116



Date: 20.JAN.2014 10:07:18

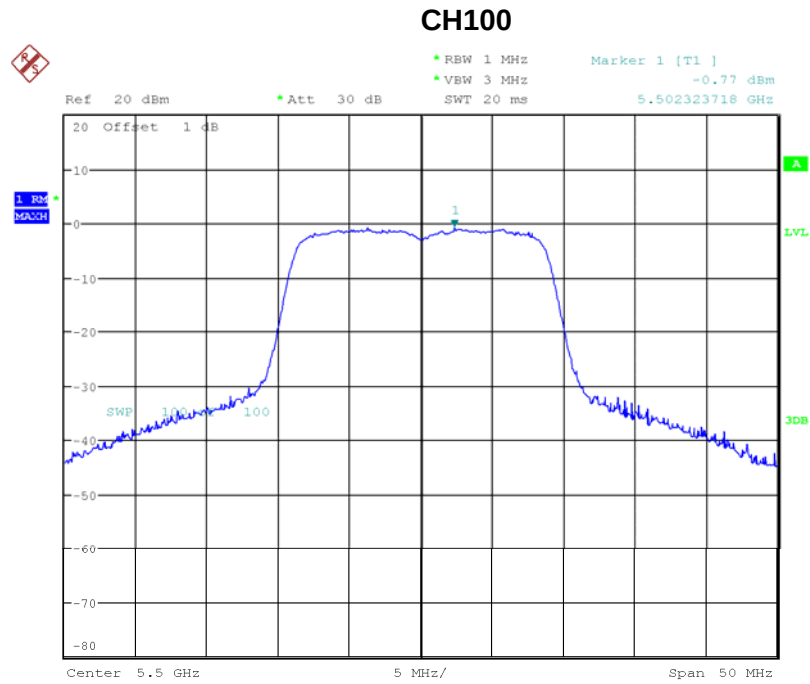
CH140



Date: 20.JAN.2014 10:16:49



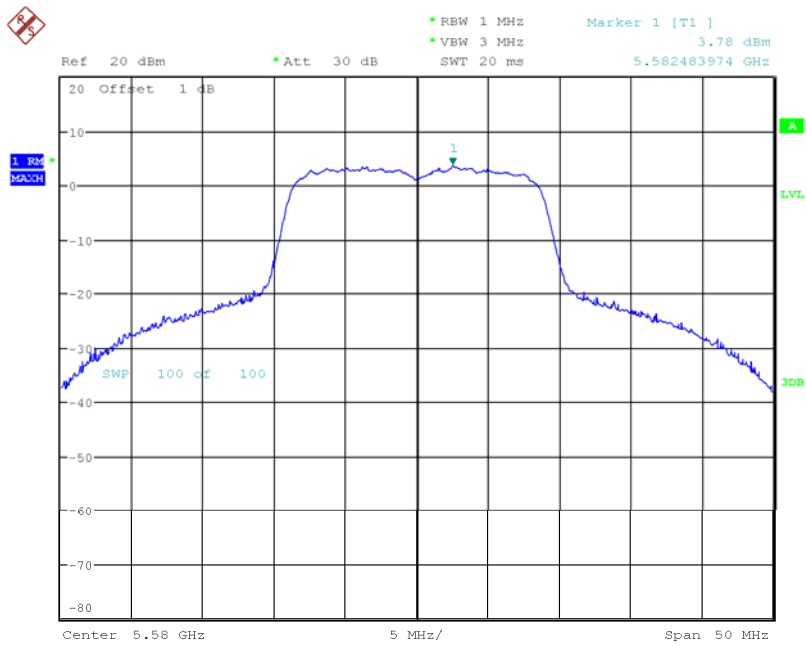
Test Mode : Band 3/TX N20 Mode_CH100/116/140-ANT 1



Date: 20.JAN.2014 16:02:17

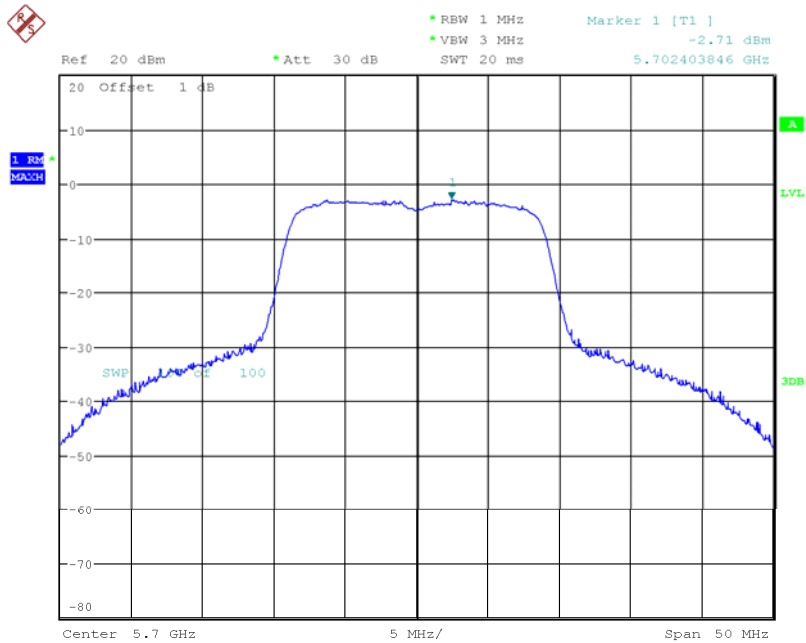


CH116



Date: 20.JAN.2014 16:06:08

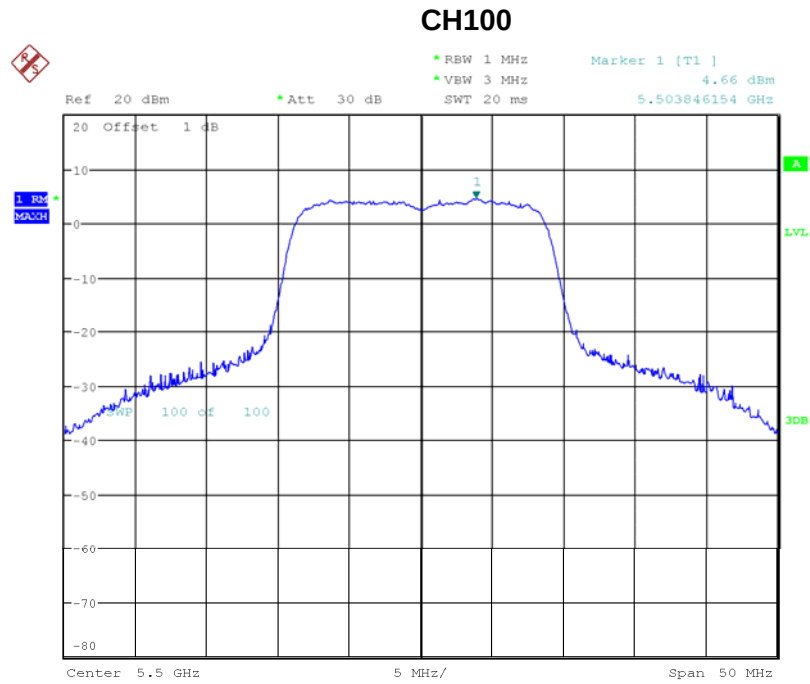
CH140



Date: 20.JAN.2014 16:08:40



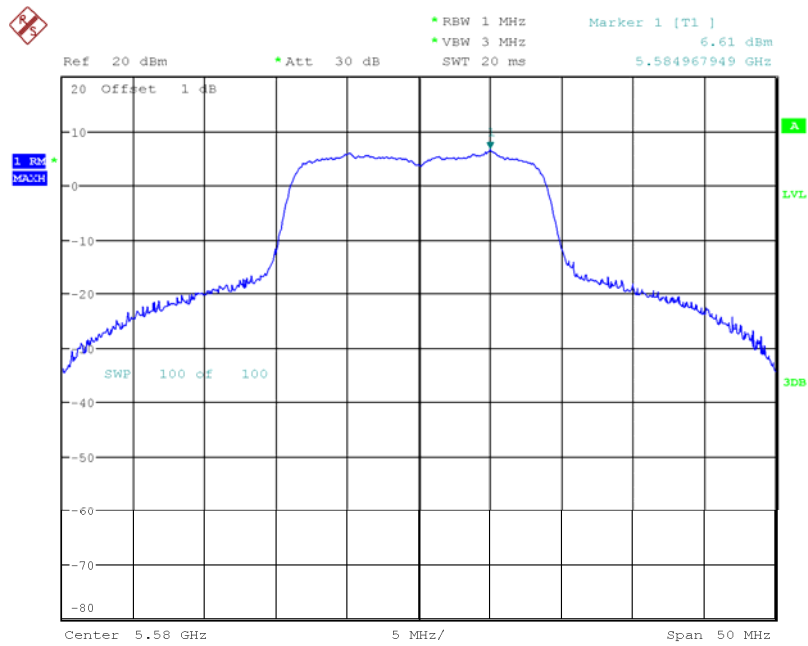
Test Mode : Band 3/TX N20 Mode_CH100/116/140-ANT 2



Date: 20.JAN.2014 11:04:43

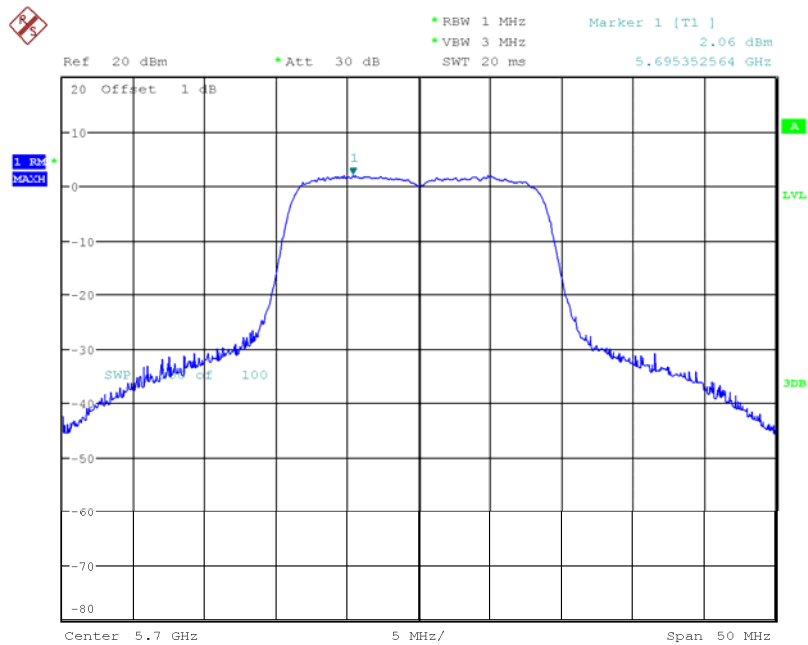


CH116



Date: 20.JAN.2014 12:48:38

CH140



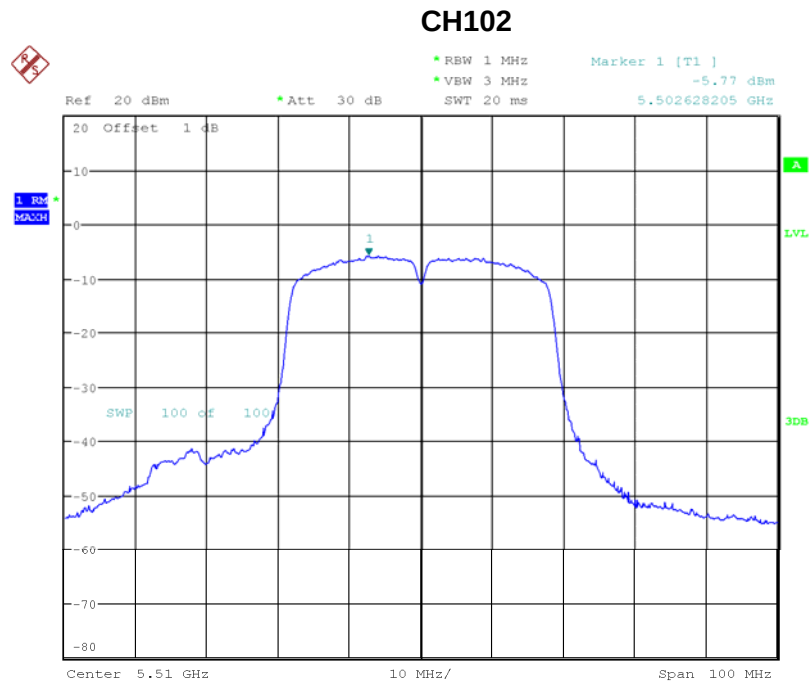
Date: 20.JAN.2014 12:53:26



Test Mode : Band 3/TX N20 Mode-Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH100	5500	5.75	11
CH116	5580	8.43	11
CH140	5700	3.31	11



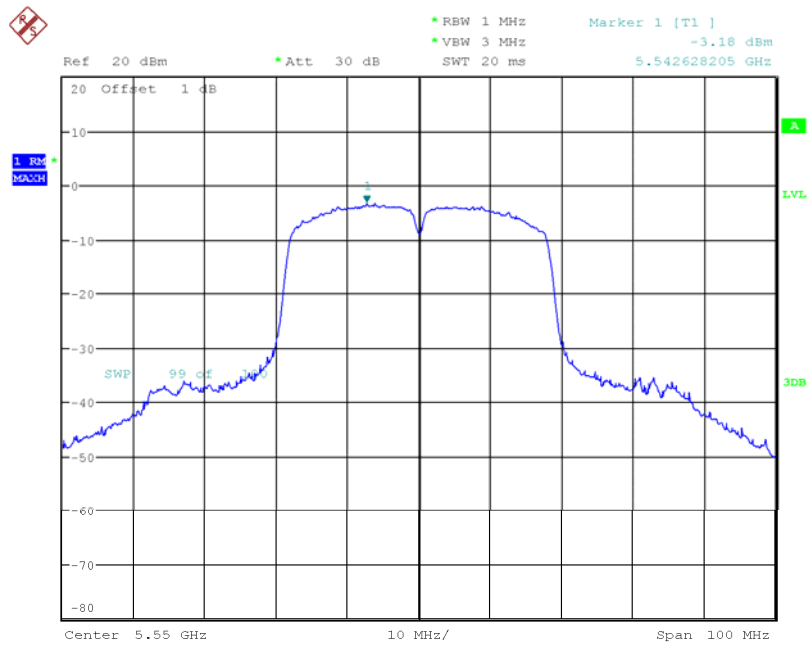
Test Mode : Band 3/TX N40 Mode_CH102/110/134-ANT 1



Date: 20.JAN.2014 15:14:15

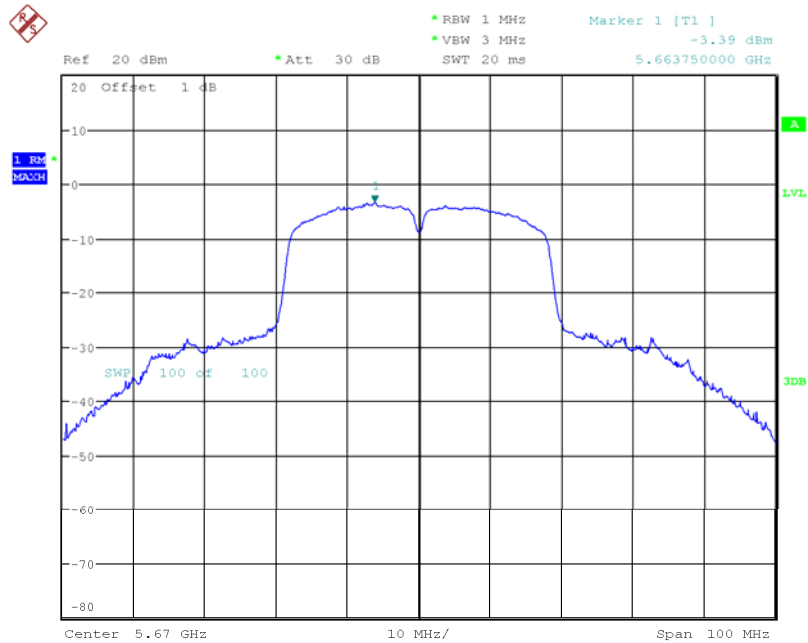


CH110



Date: 20.JAN.2014 15:21:42

CH134



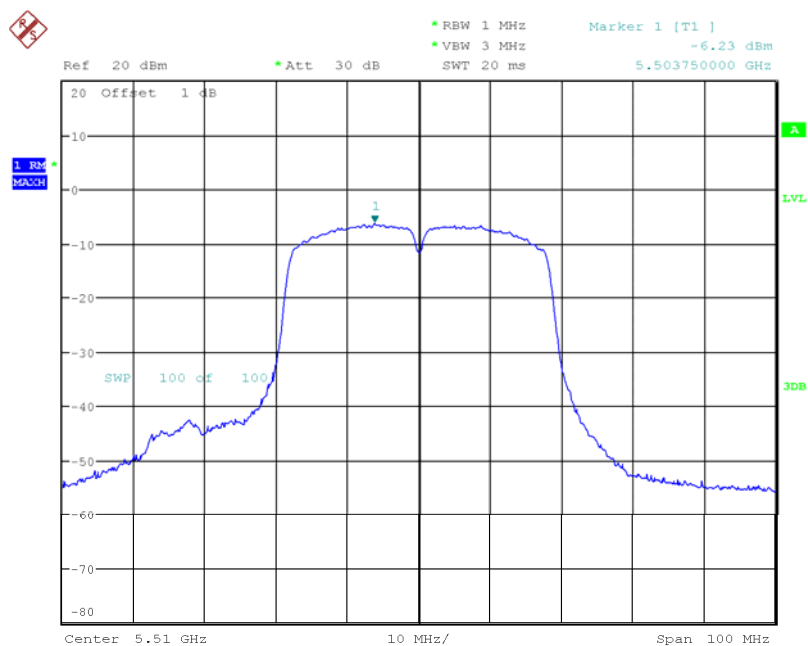
Date: 20.JAN.2014 15:26:48



Test Mode : Band 3/TX N40 Mode_CH102/110/134-ANT 2

Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH102	5510	-6.23	11
CH110	5550	-2.88	11
CH134	5670	-3.50	11

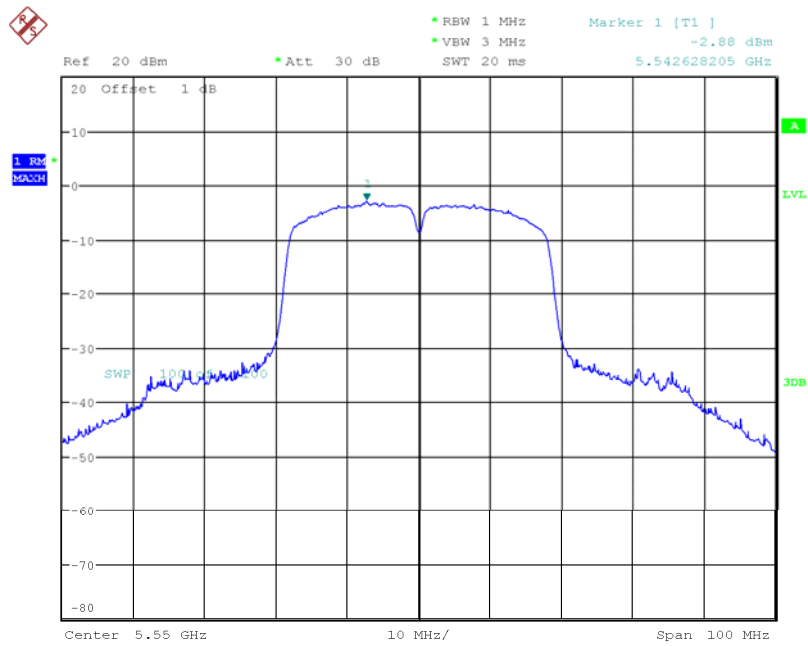
CH102



Date: 20.JAN.2014 15:12:53

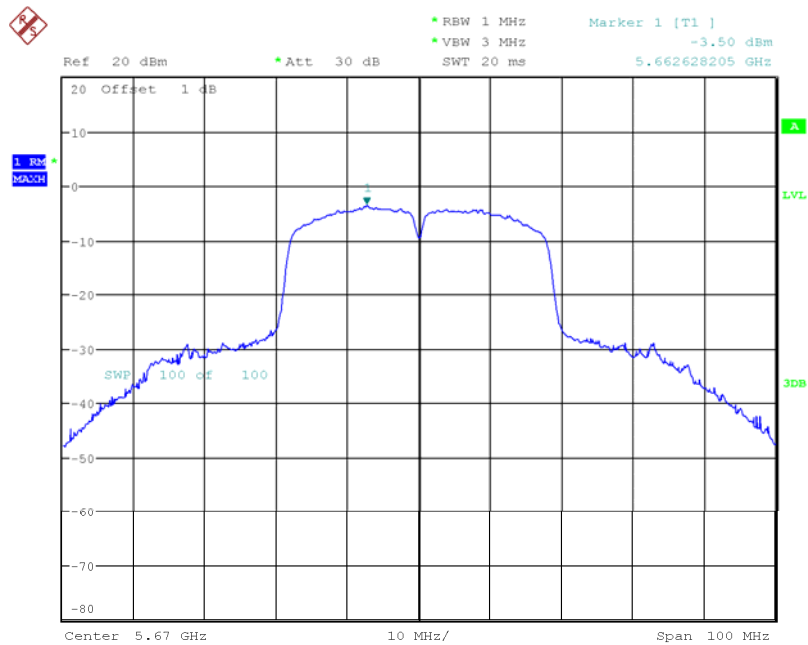


CH110



Date: 20.JAN.2014 15:20:48

CH134



Date: 20.JAN.2014 15:25:52



Test Mode : Band 3/TX N40 Mode-Total			
Test Channel	Frequency (MHz)	Power Density (dBm)	LIMIT (dBm)
CH102	5510	-2.98	11
CH110	5550	-0.02	11
CH134	5670	-0.43	11



9. PEAK EXCURSION MEASUREMENT

9.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E/ RSS-210: 2010			
Test Item	Limit	Frequency Range (MHz)	Result
Peak Excursion Measurement	13 dB	5150 - 5250	PASS
		5250 - 5350	PASS
		5470 - 5725	PASS

9.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RB	1000 kHz (Peak Trace) / 1000 kHz (Average Trace)
VB	3000 kHz (Peak Trace) / 3000 kHz (Average Trace)
Detector	Peak (Peak Trace) / RMS (Average Trace)
Trace	Max Hold
Sweep Time	60s

c. Peak Trace: Set RBW = 1 MHz, VBW $\geq$ 3 MHz with peak detector and maxhold settings.

d. Average Trace: set RBW = 1 MHz, VBW = 3 MHz with RMS detector and trace average across 100 traces in power averaging mode.

9.1.2 DEVIATION FROM STANDARD

No deviation.

9.1.3 TEST SETUP



9.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

9.1.5 EUT TEST CONDITIONS

Temperature: 25°C

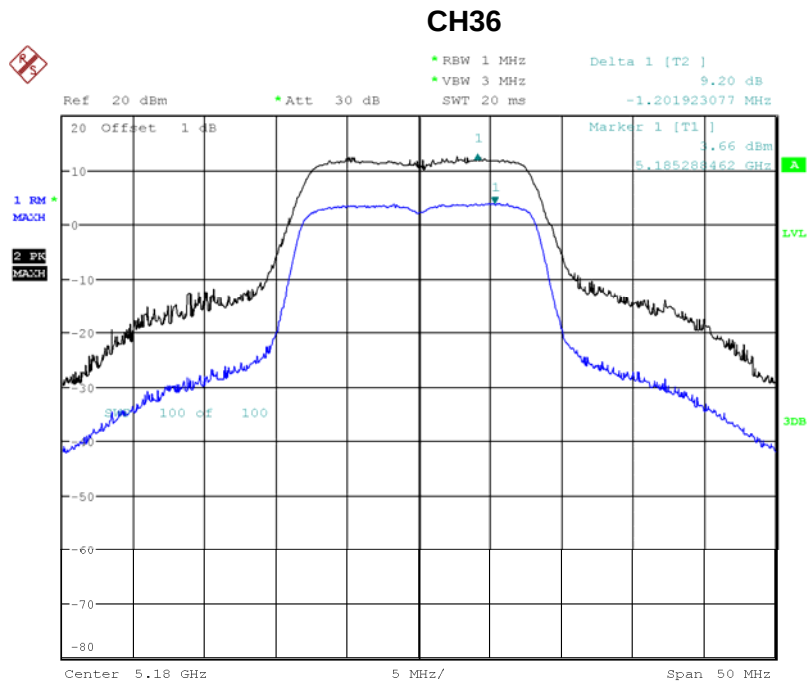
Relative Humidity: 55%

Test Voltage: 120V/60Hz



9.1.6 TEST RESULTS

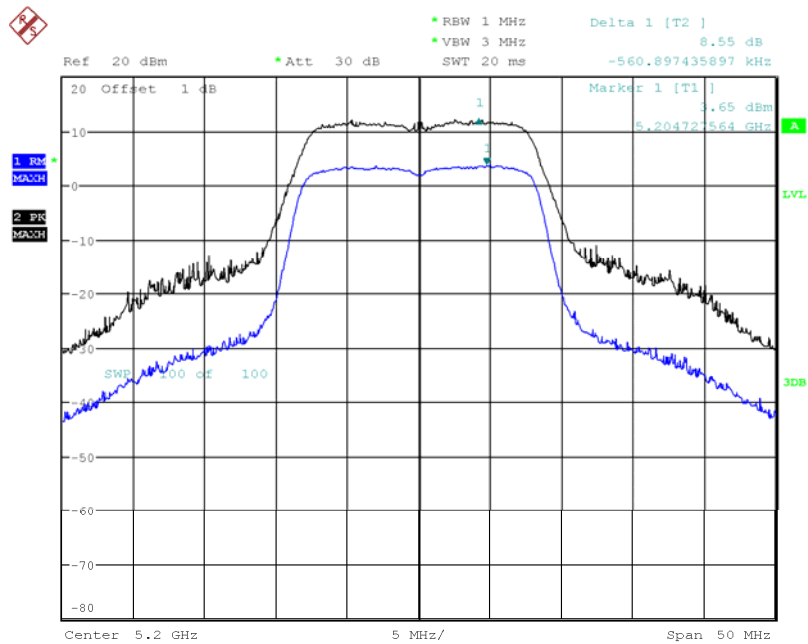
Test Mode :Band 1/TX A Mode_CH36/40/48



Date: 20.JAN.2014 09:12:46

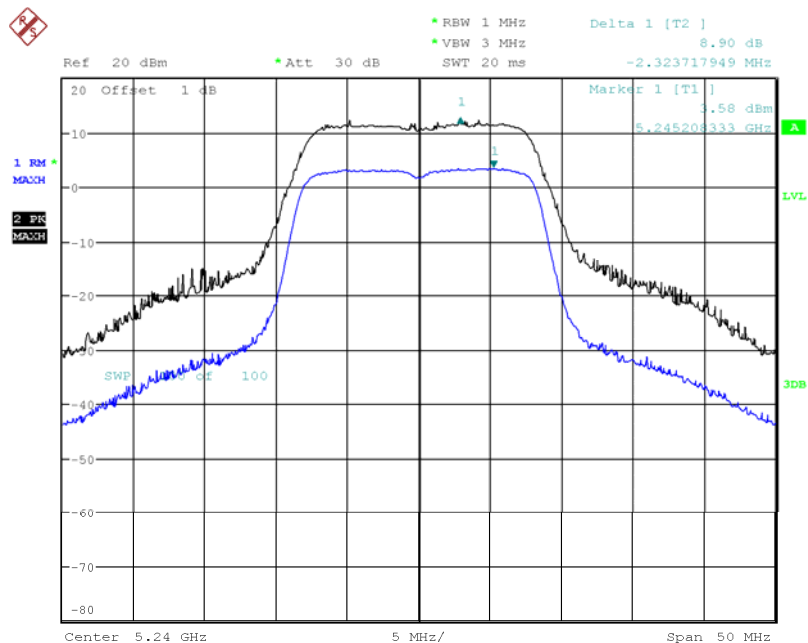


CH40



Date: 20.JAN.2014 09:25:56

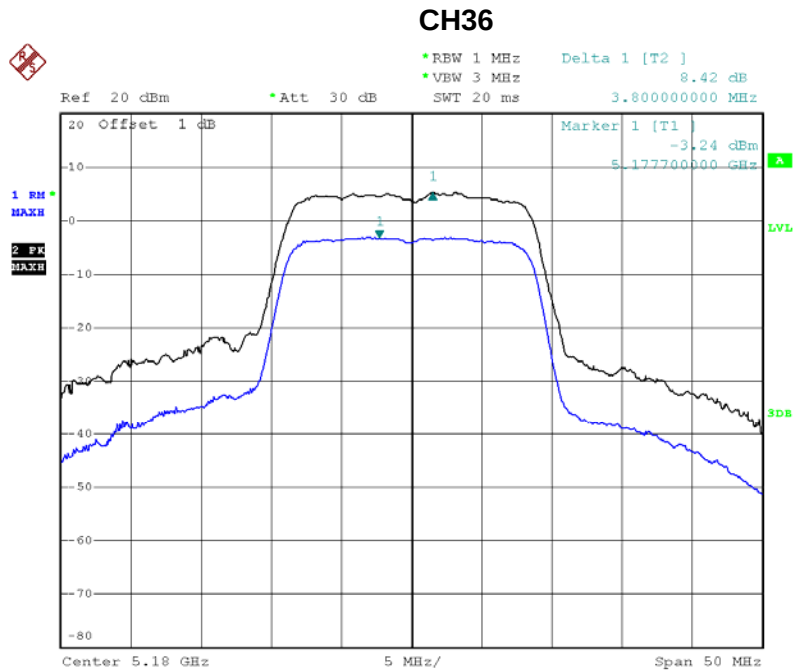
CH48



Date: 20.JAN.2014 09:35:39



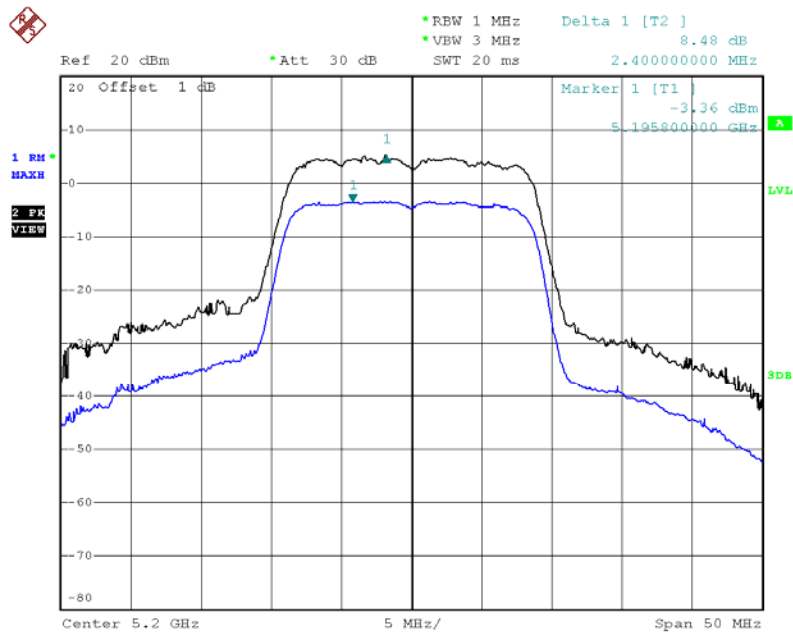
Test Mode :Band 1/TX N20 Mode_CH36/40/48-ANT 1



Date: 20.JAN.2014 13:38:45

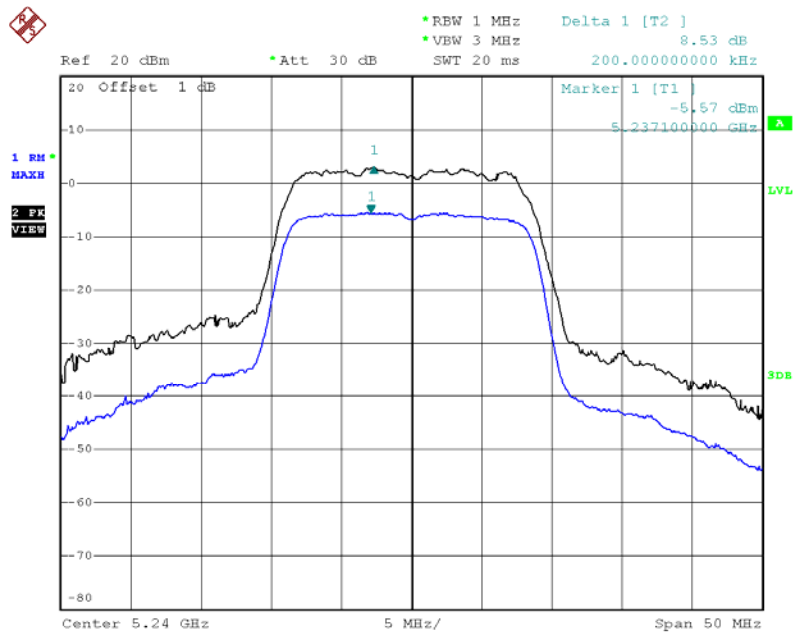


CH40



Date: 20.JAN.2014 13:39:26

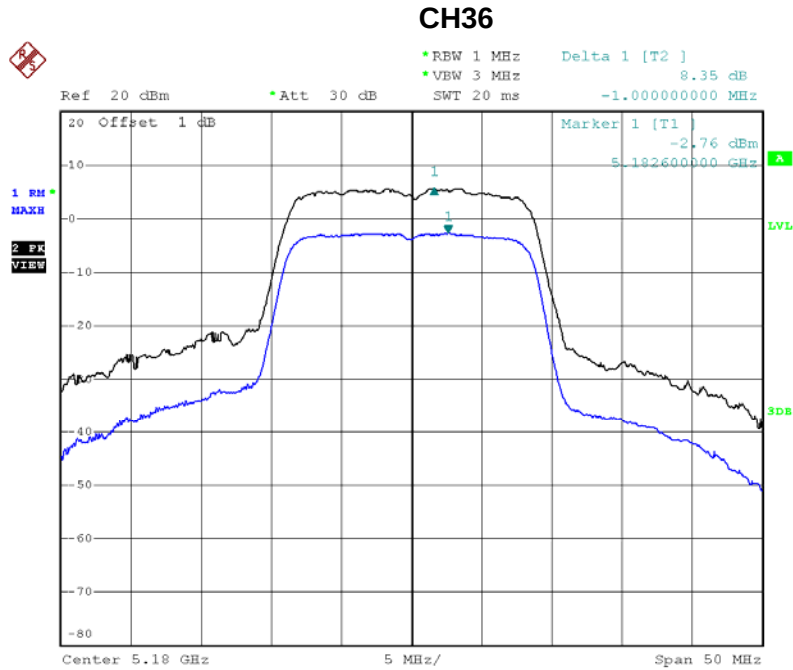
CH48



Date: 20.JAN.2014 13:39:57



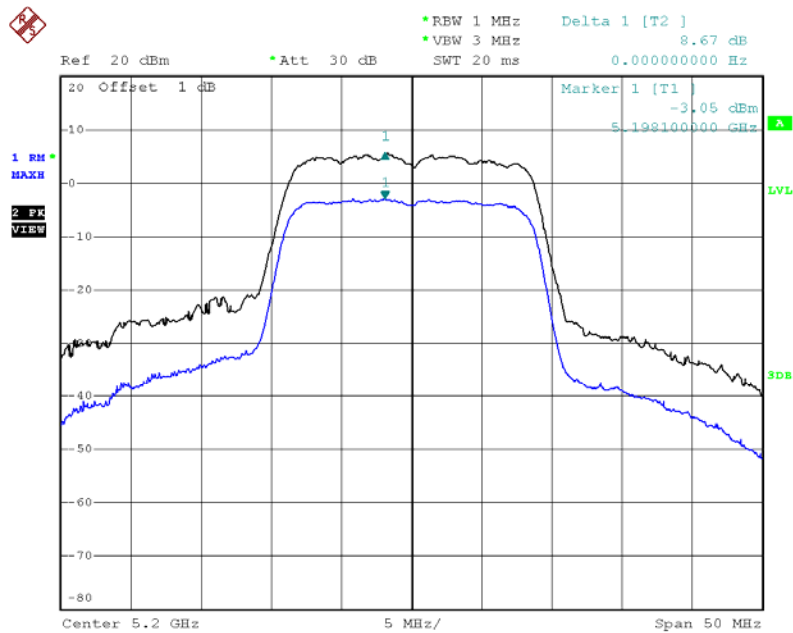
Test Mode :Band 1/TX N20 Mode_CH36/40/48-ANT 2



Date: 20.JAN.2014 13:32:24

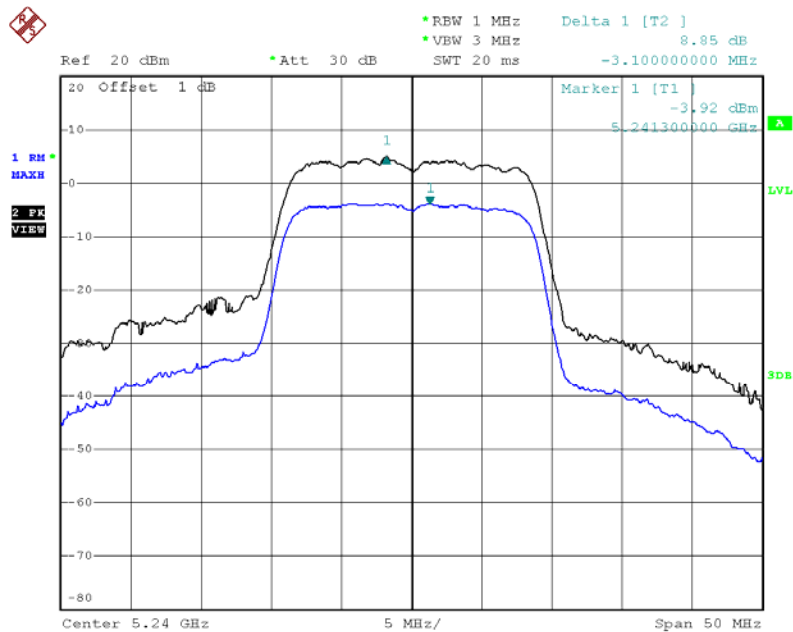


CH40



Date: 20.JAN.2014 13:31:50

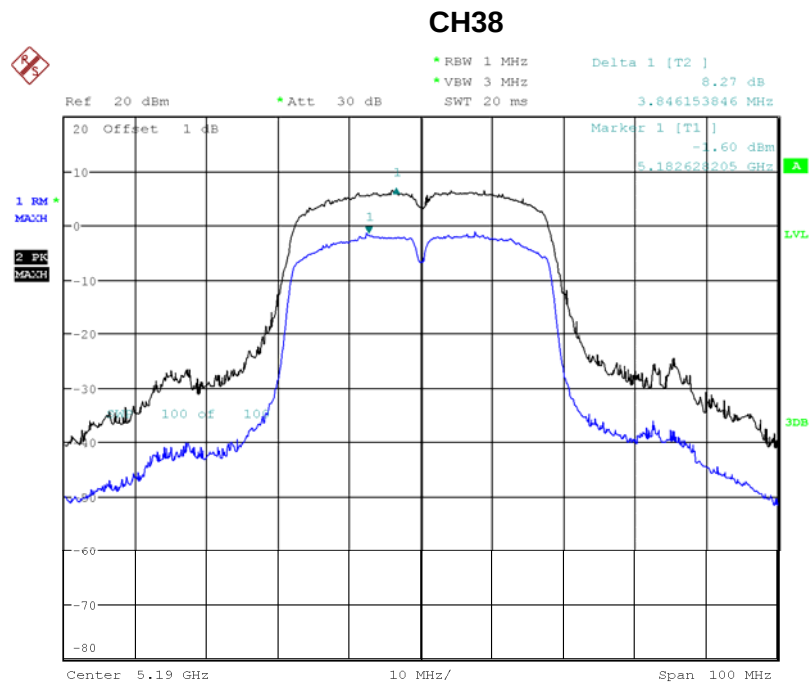
CH48



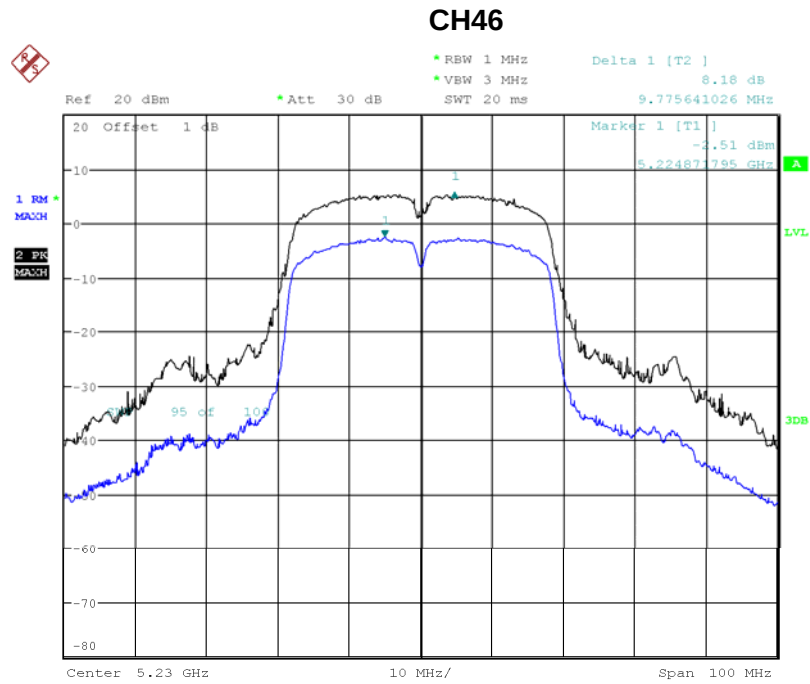
Date: 20.JAN.2014 13:30:52



Test Mode :Band 1/TX N40 Mode_CH38/46-ANT 1



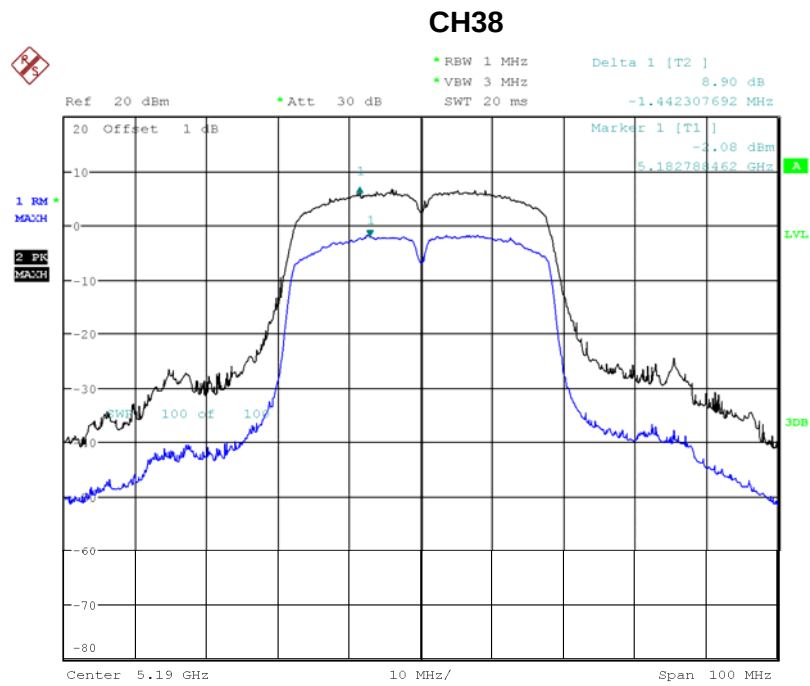
Date: 20.JAN.2014 14:31:22



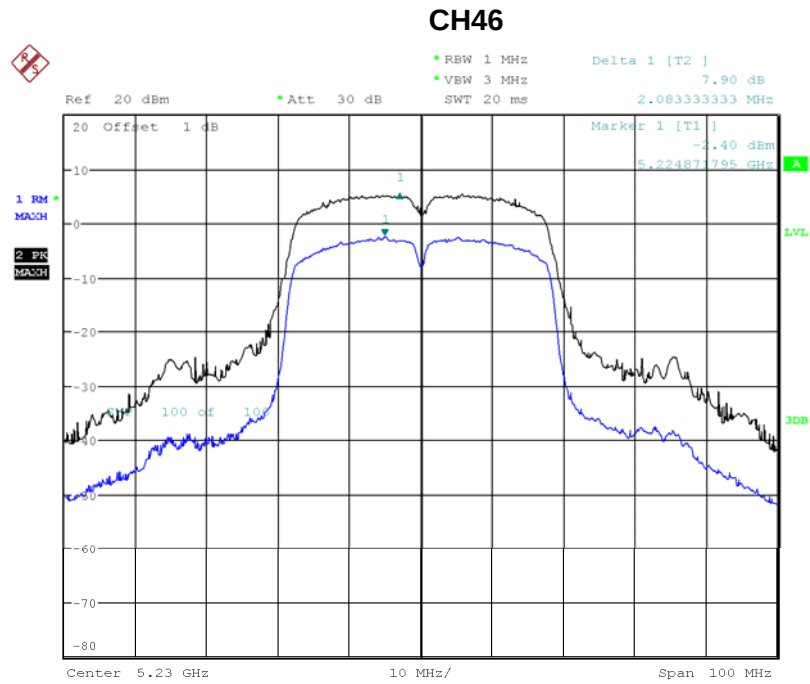
Date: 20.JAN.2014 14:40:51



Test Mode :Band 1/TX N40 Mode_CH38/46-ANT 2



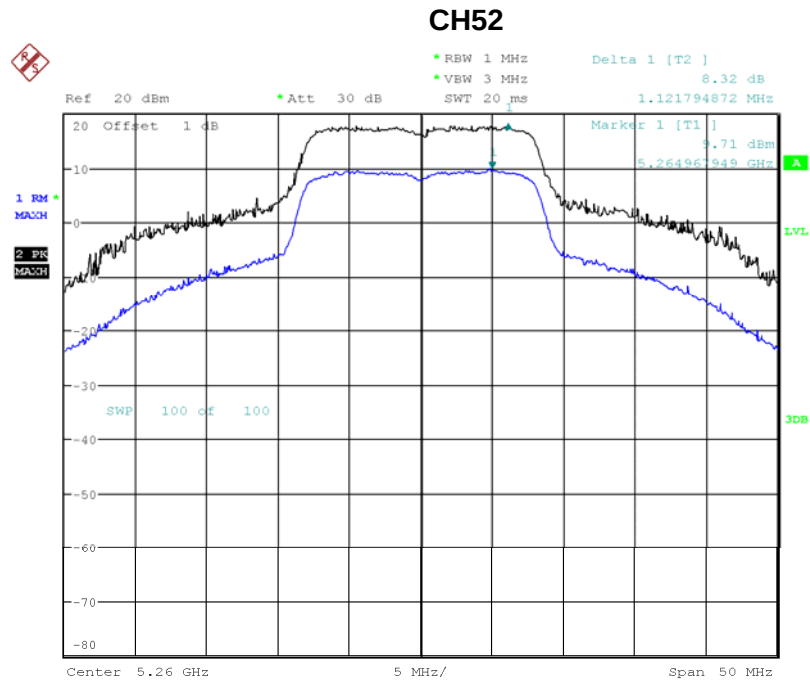
Date: 20.JAN.2014 14:30:31



Date: 20.JAN.2014 14:39:56



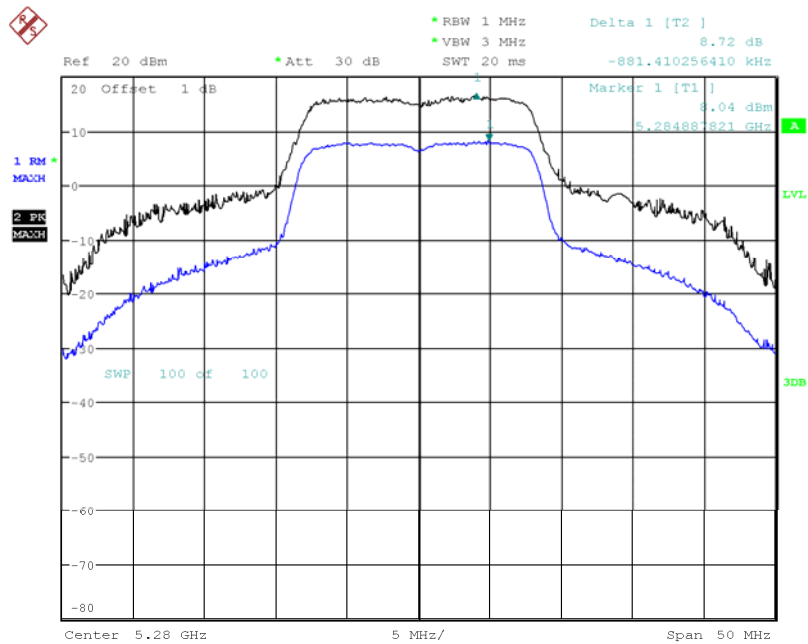
Test Mode :Band 2/TX A Mode_CH52/56/64



Date: 20.JAN.2014 09:38:00

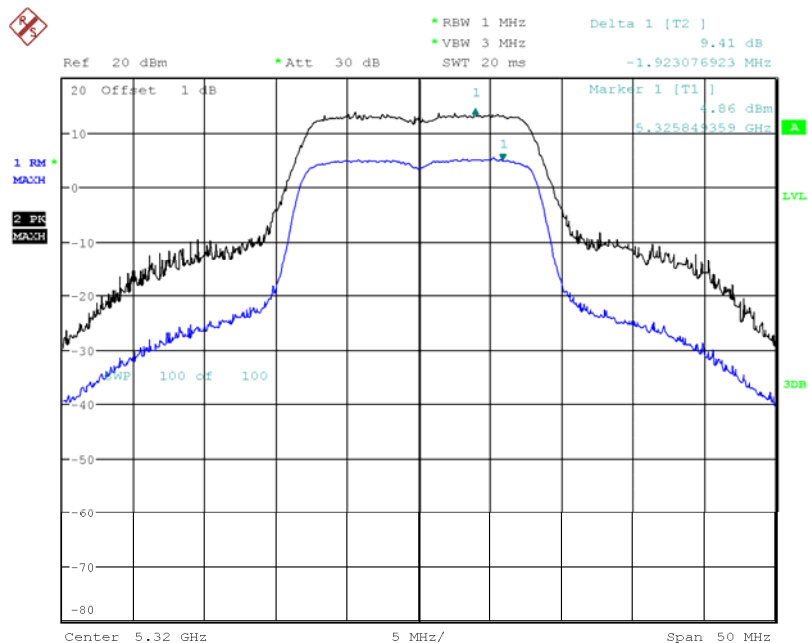


CH56



Date: 20.JAN.2014 09:46:53

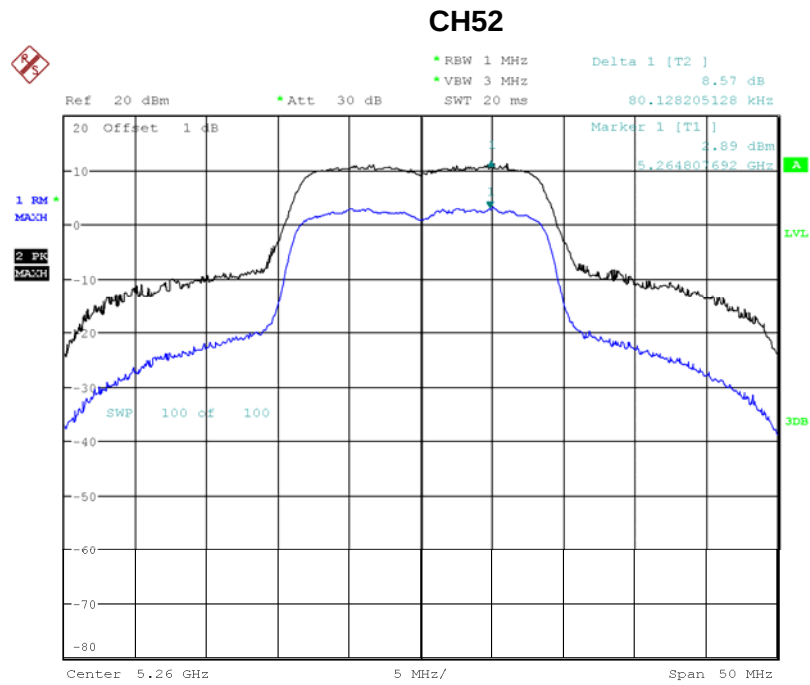
CH64



Date: 20.JAN.2014 09:50:56



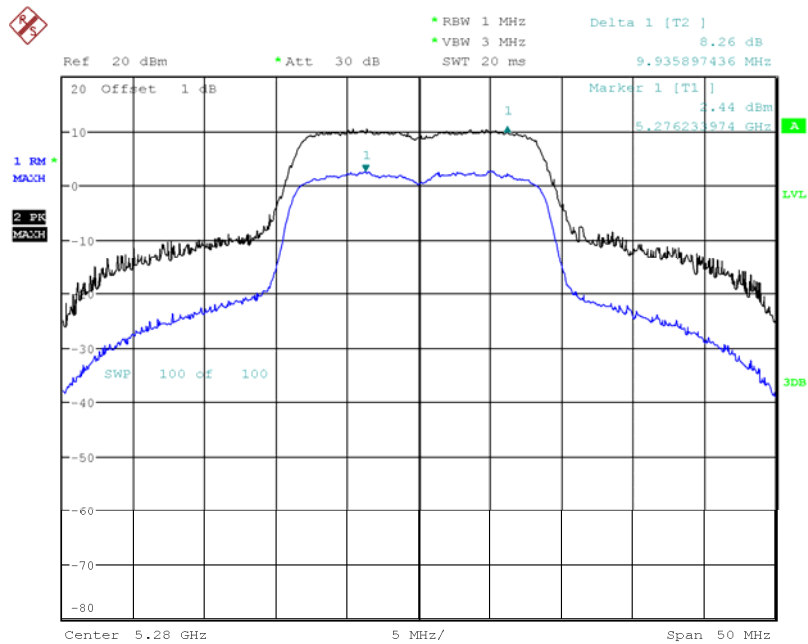
Test Mode :Band 2/TX N20 Mode_CH52/56/64-ANT 1



Date: 20.JAN.2014 15:52:28

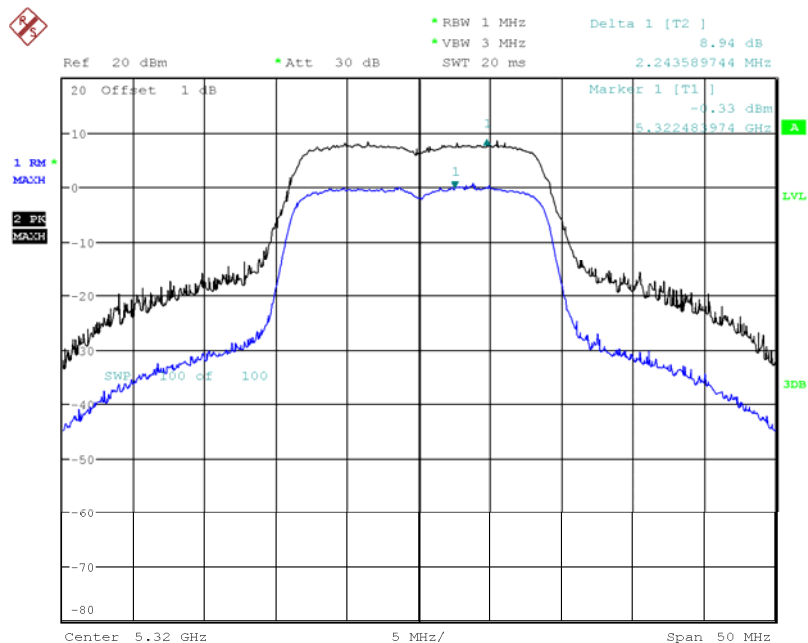


CH56



Date: 20.JAN.2014 15:56:23

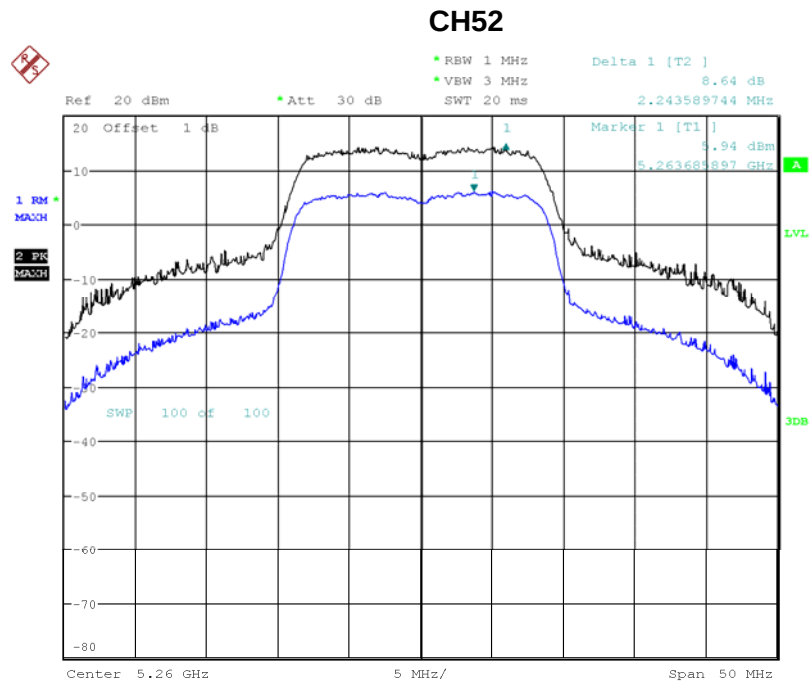
CH64



Date: 20.JAN.2014 15:58:51



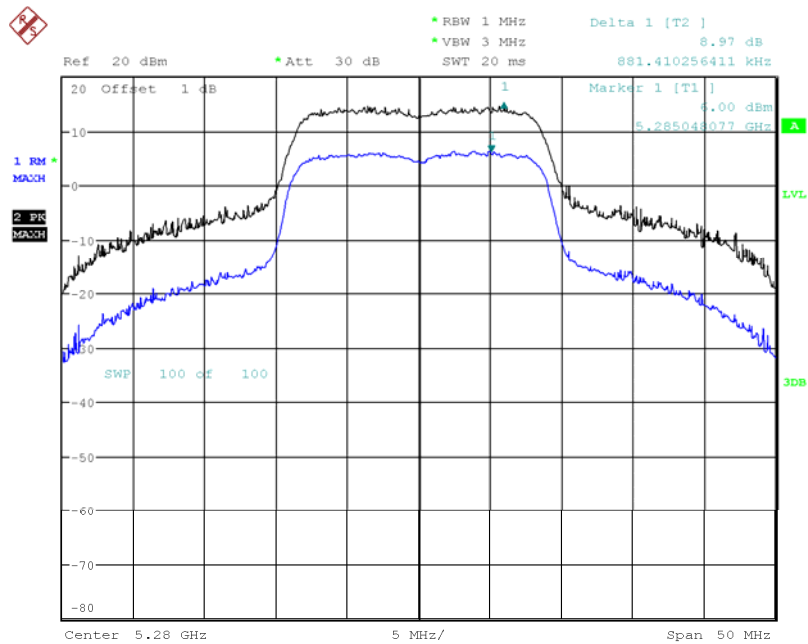
Test Mode :Band 2/TX N20 Mode_CH52/56/64-ANT 2



Date: 20.JAN.2014 10:50:23

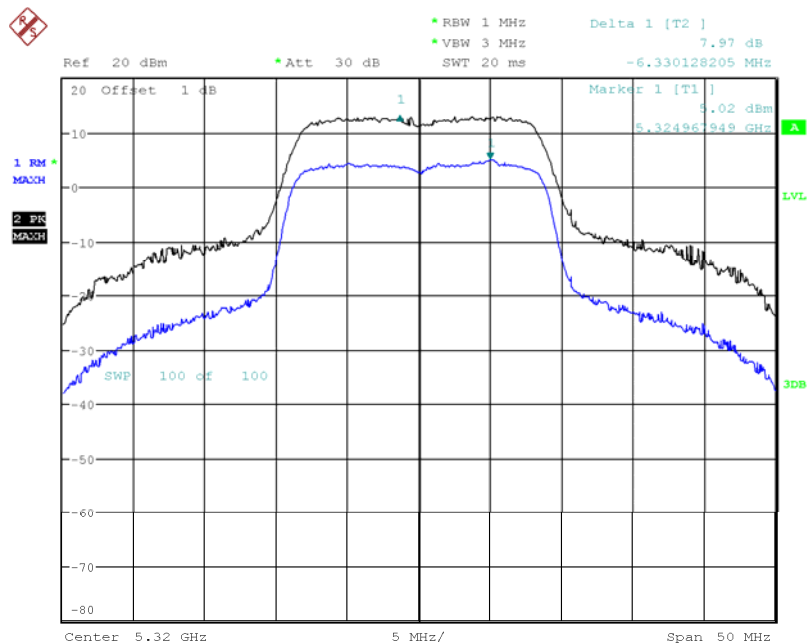


CH56



Date: 20.JAN.2014 10:54:56

CH64

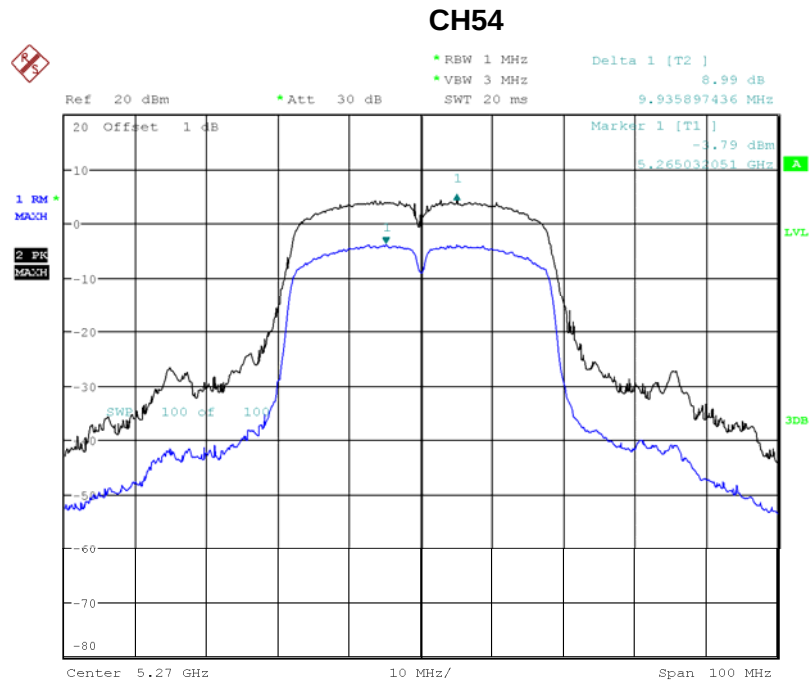


Date: 20.JAN.2014 10:59:06

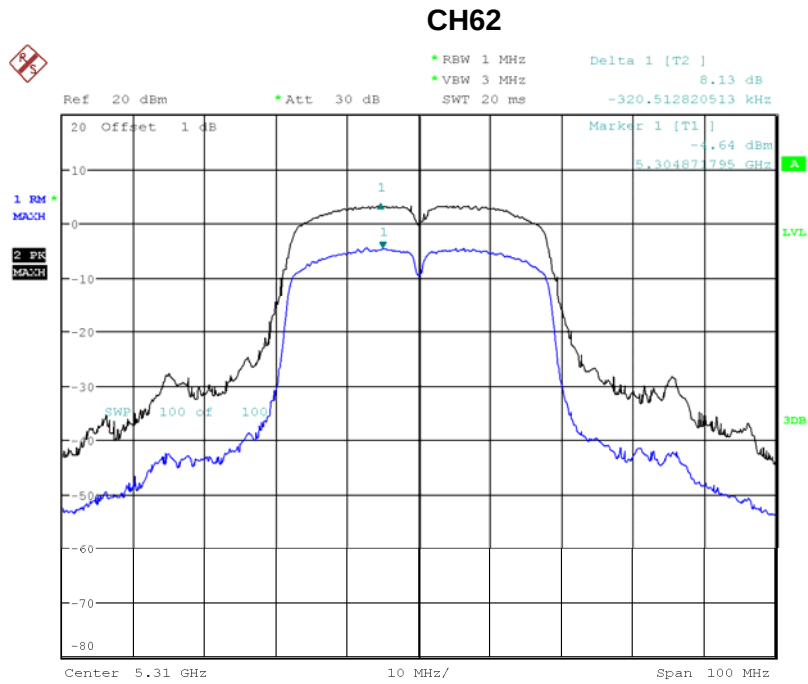


Test Mode :Band 2/TX N40 Mode_CH54/62-ANT 1

Test Channel	Frequency (MHz)	Peak Excursion (dB)	LIMIT (dB)
CH54	5270	8.99	13
CH62	5310	8.13	13



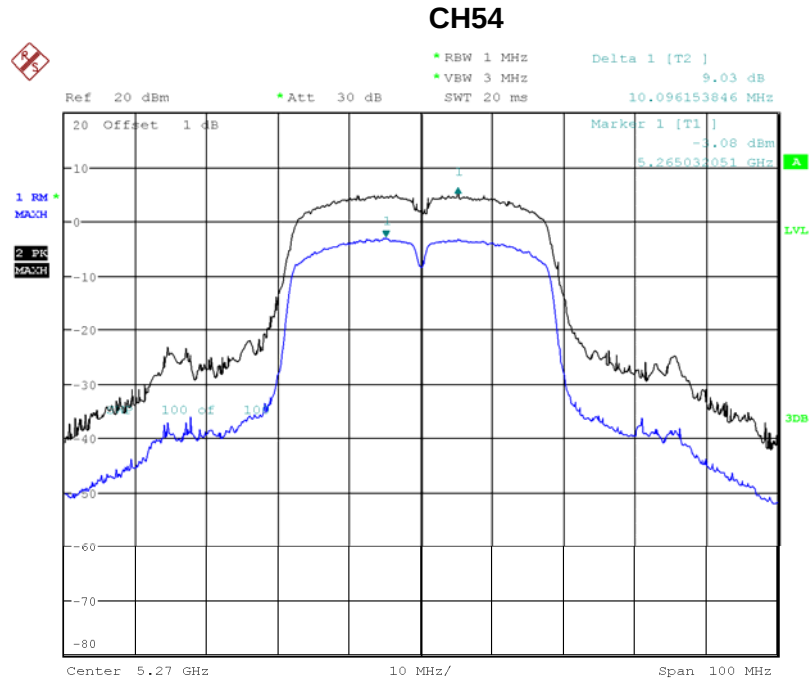
Date: 20.JAN.2014 14:52:10



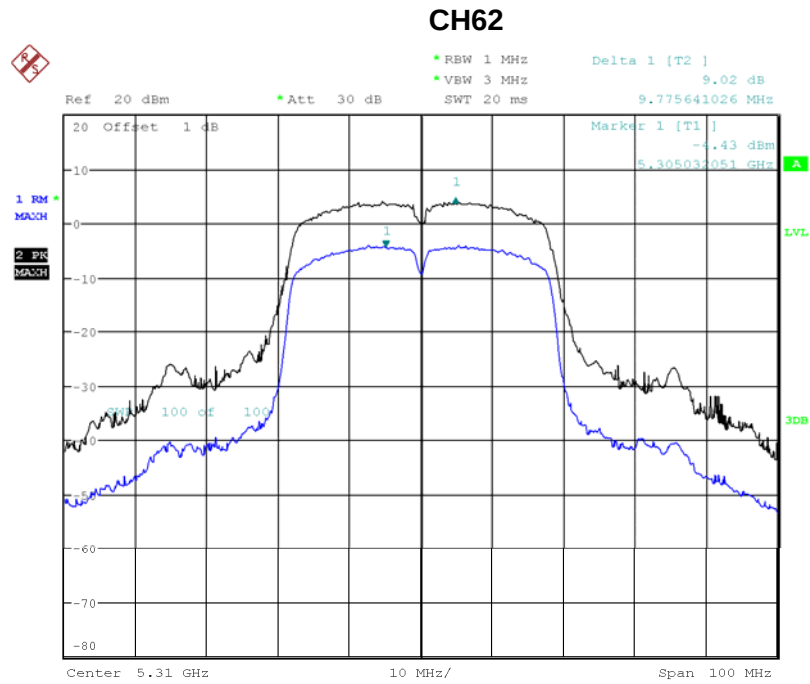
Date: 20.JAN.2014 15:04:21



Test Mode :Band 2/TX N40 Mode_CH54/62-ANT 2



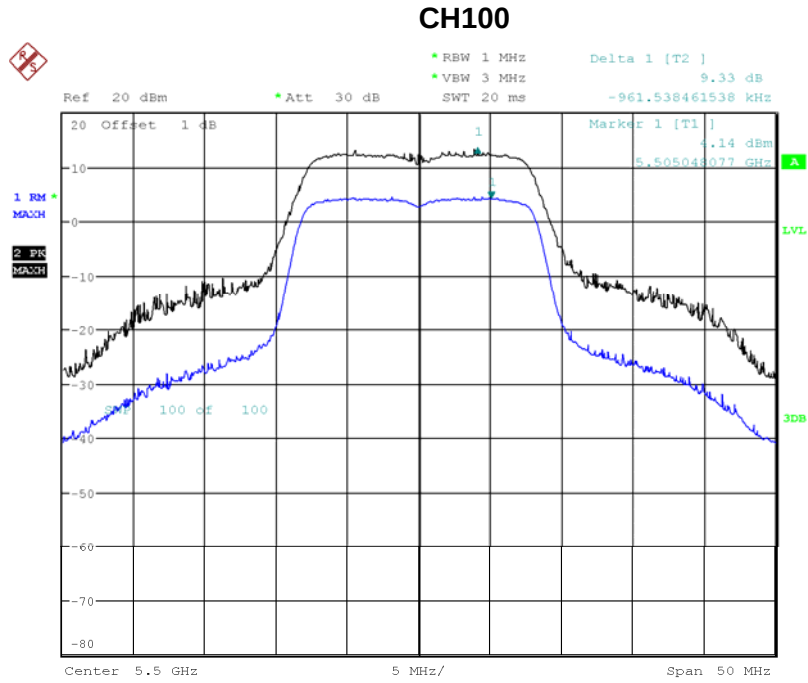
Date: 20.JAN.2014 14:51:45



Date: 20.JAN.2014 15:03:18



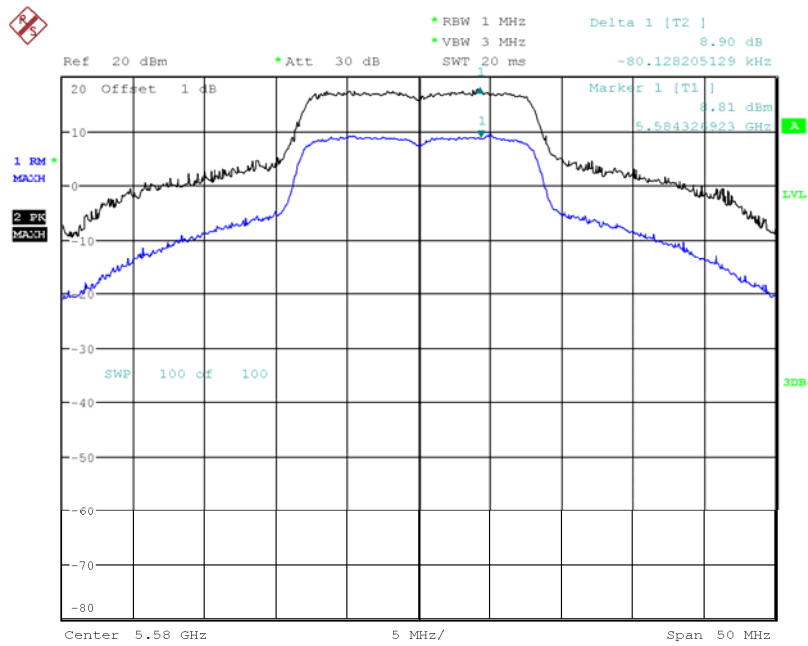
Test Mode : Band 3/TX A Mode_CH110/116/140



Date: 20.JAN.2014 10:01:52

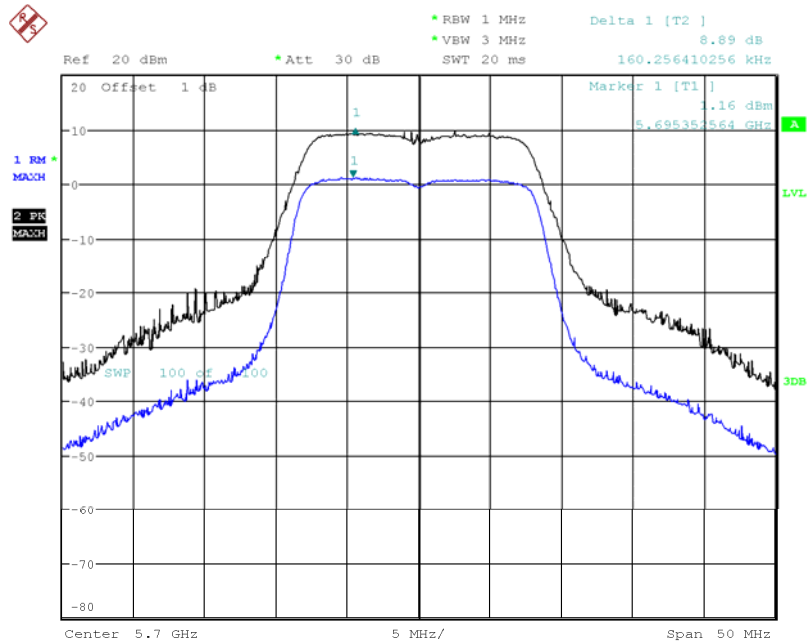


CH116



Date: 20.JAN.2014 10:07:51

CH140

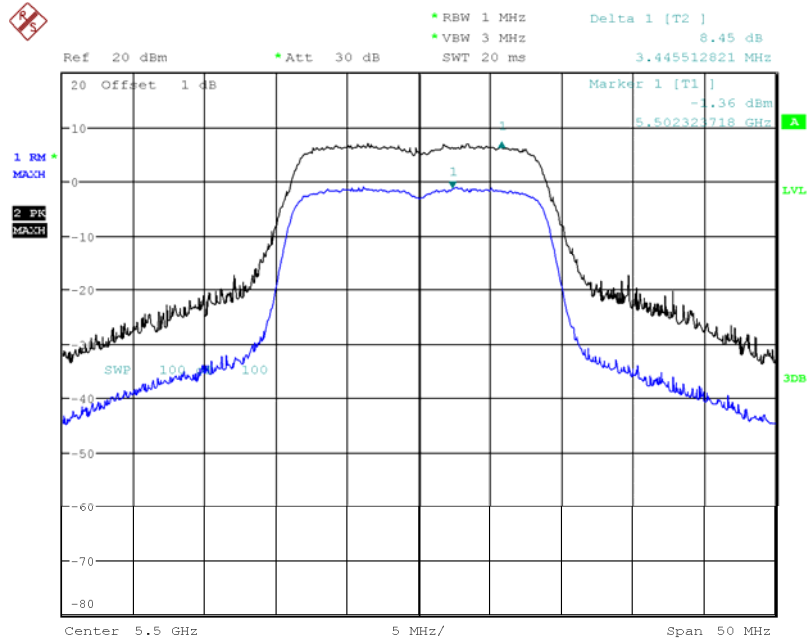


Date: 20.JAN.2014 10:17:05



Test Mode : Band 3/TX N20 Mode_CH110/116/140-ANT 1

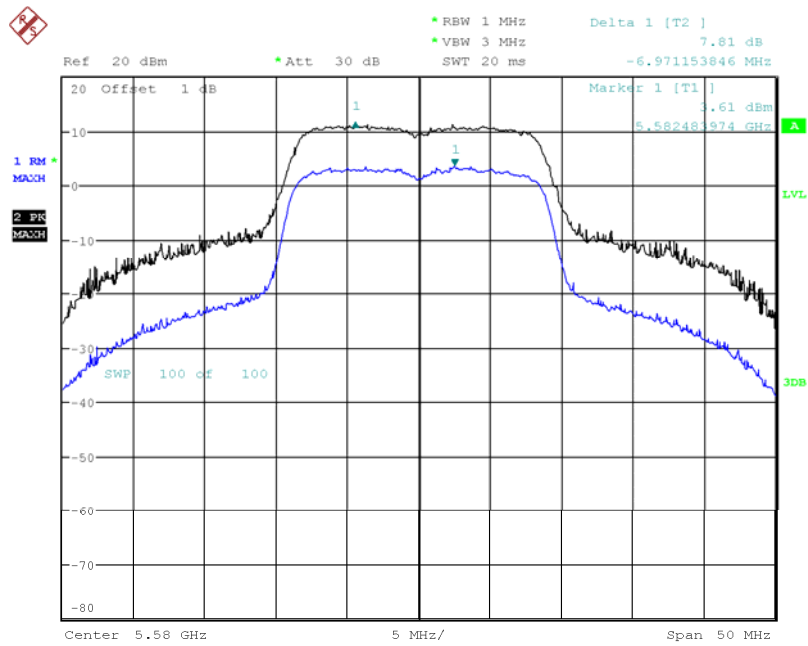
CH100



Date: 20.JAN.2014 16:02:30

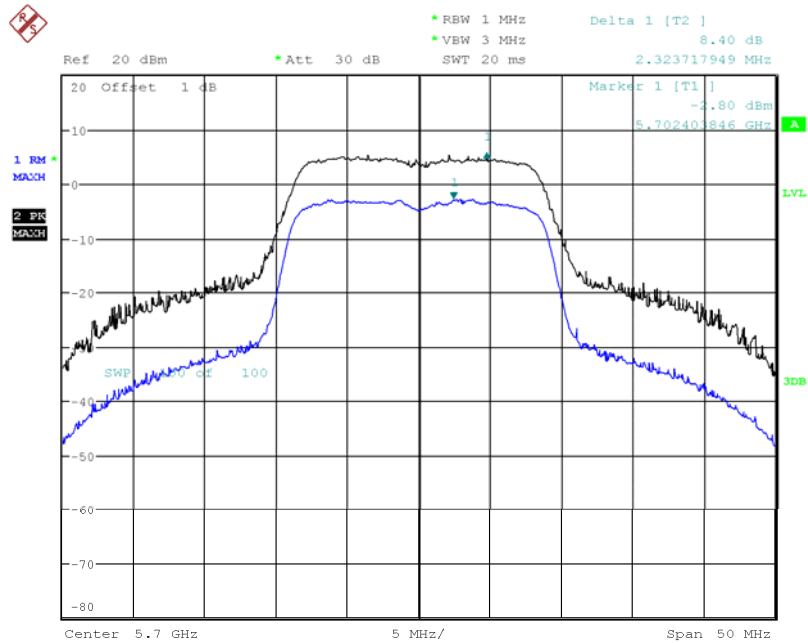


CH116



Date: 20.JAN.2014 16:06:35

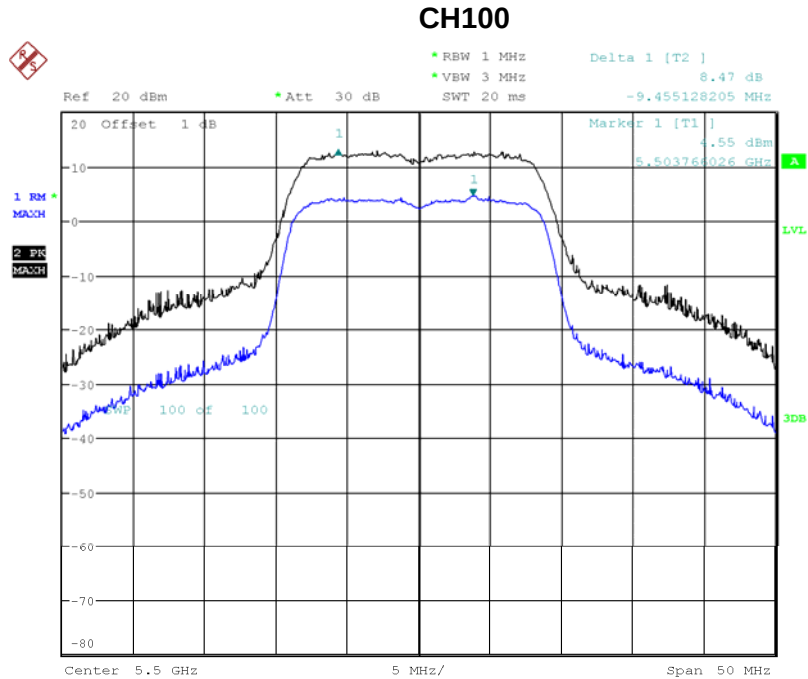
CH140



Date: 20.JAN.2014 16:09:08



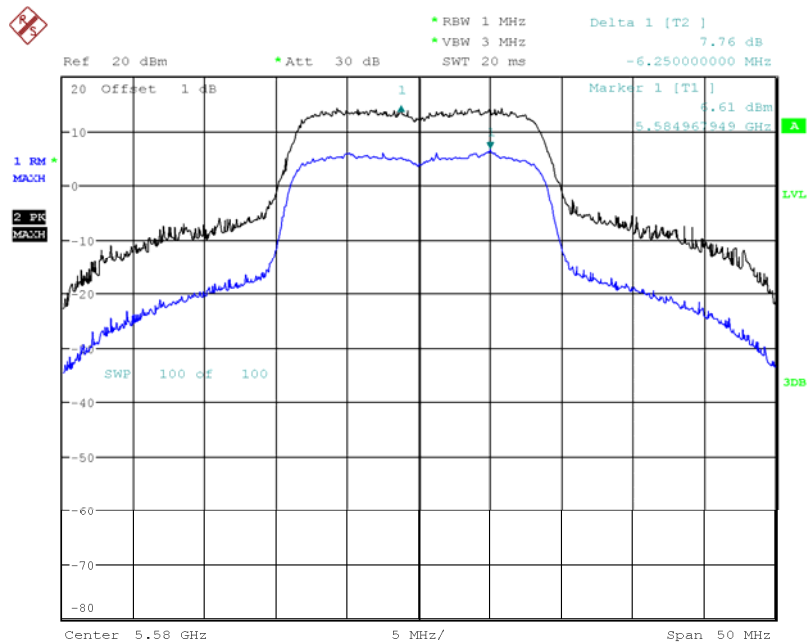
Test Mode : Band 3/TX N20 Mode_CH110/116/140-ANT 2



Date: 20.JAN.2014 11:05:08

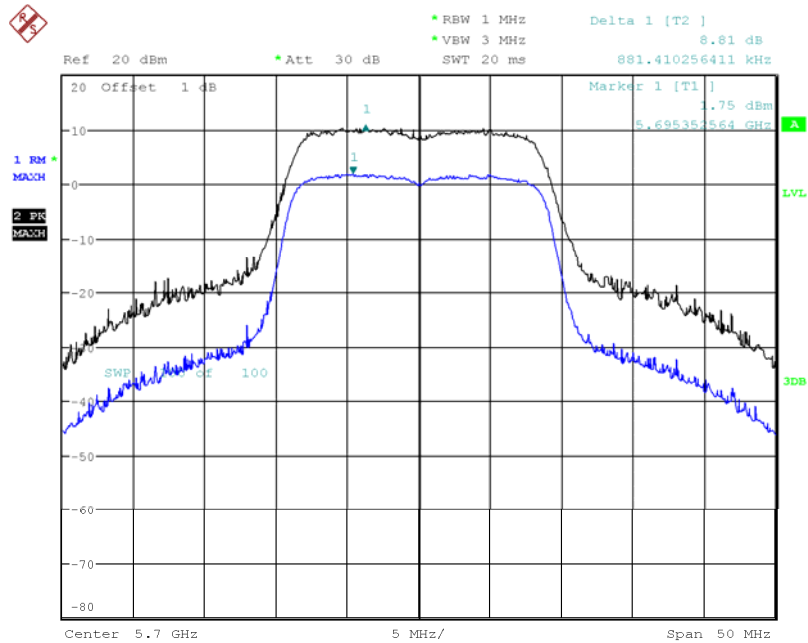


CH116



Date: 20.JAN.2014 12:49:10

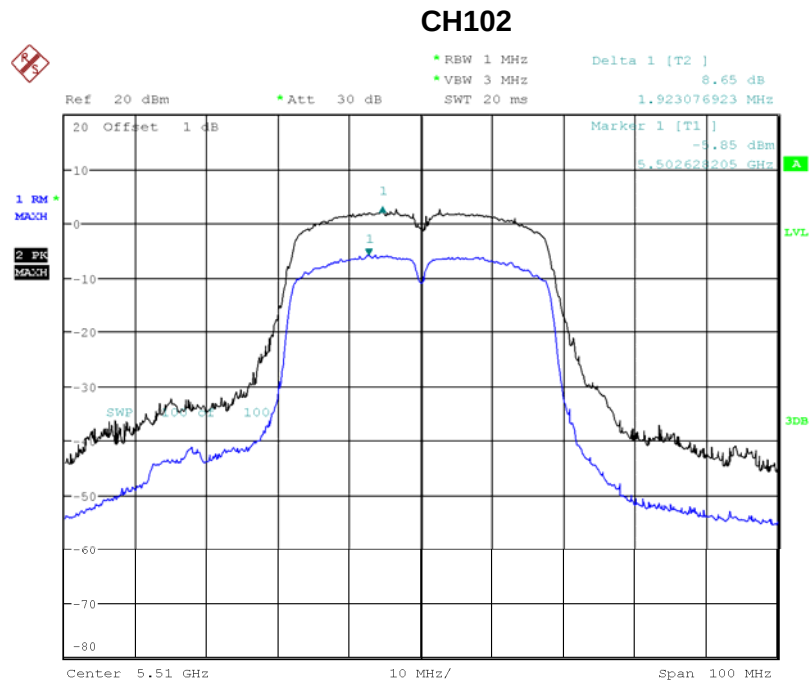
CH140



Date: 20.JAN.2014 12:53:50



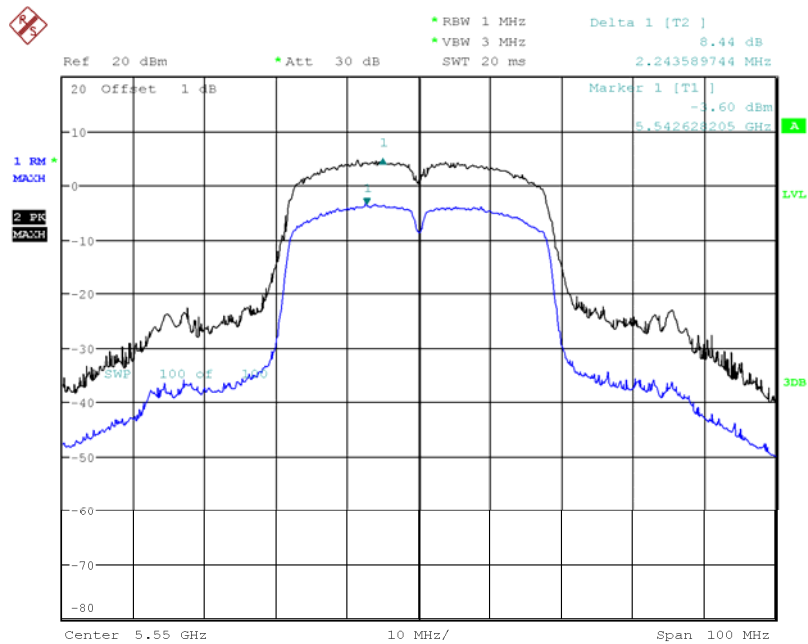
Test Mode : Band 3/TX N40 Mode_CH102/110/134-ANT 1



Date: 20.JAN.2014 15:14:41

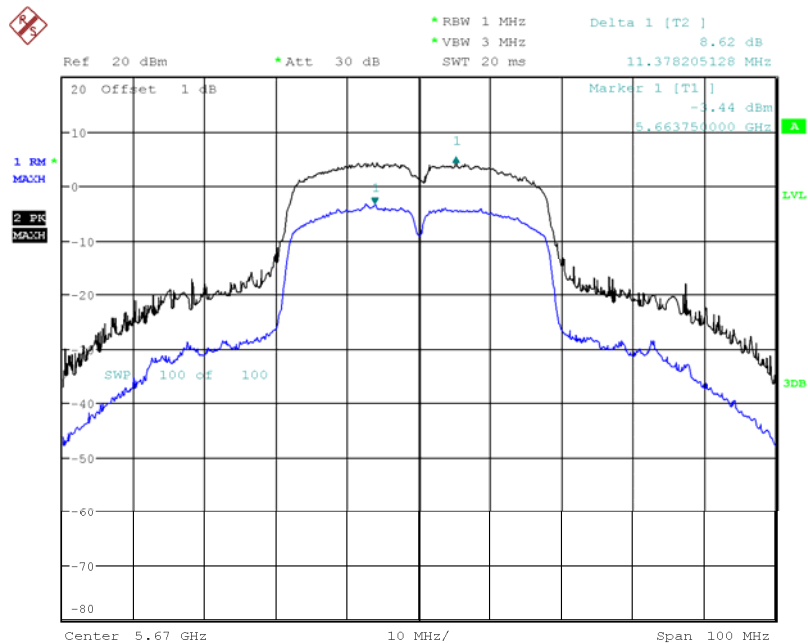


CH110



Date: 20.JAN.2014 15:22:03

CH134

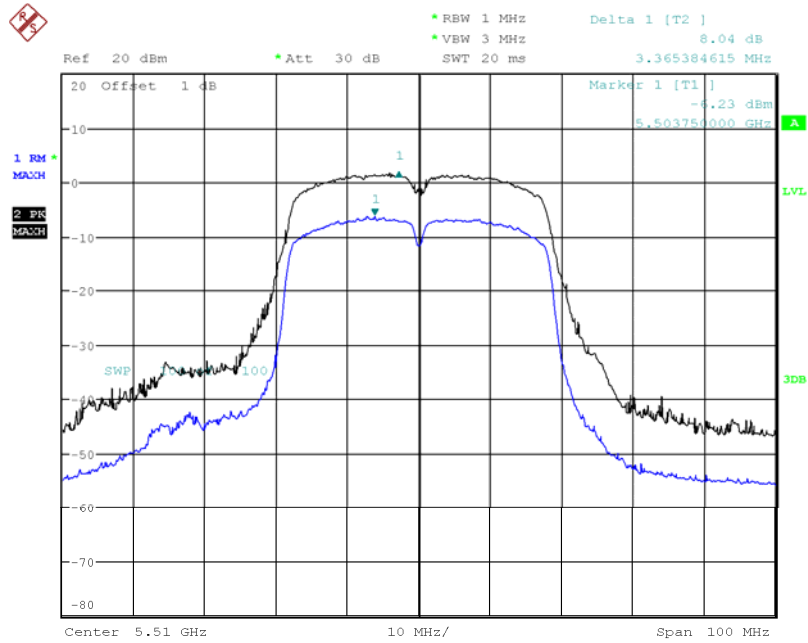


Date: 20.JAN.2014 15:27:25



Test Mode : Band 3/TX N40 Mode_CH102/110/134-ANT 2

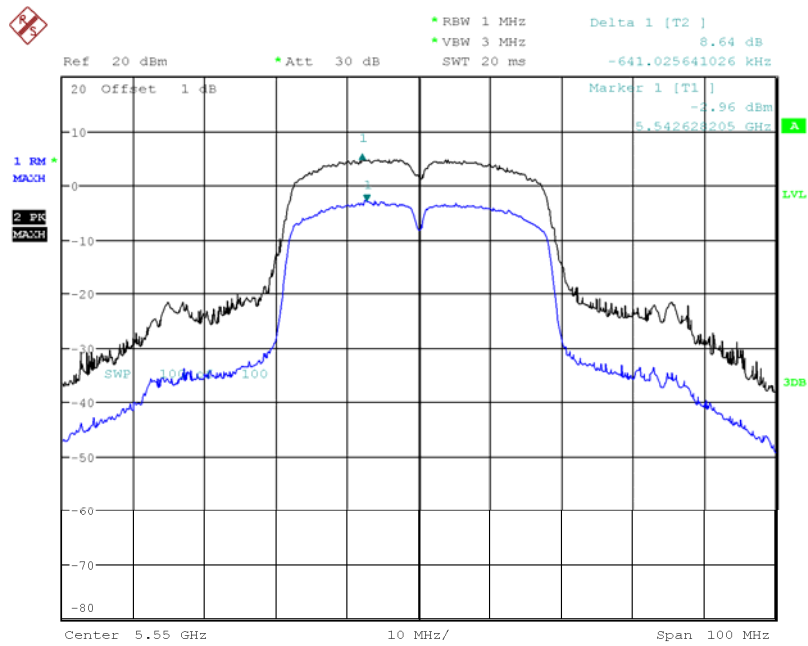
CH102



Date: 20.JAN.2014 15:13:18

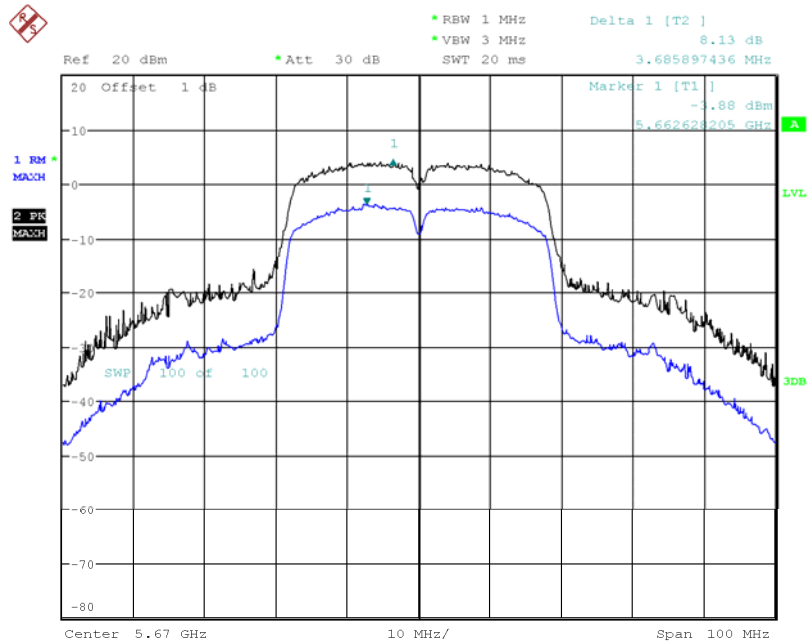


CH110



Date: 20.JAN.2014 15:21:10

CH134



Date: 20.JAN.2014 15:26:05



10. FREQUENCY STABILITY MEASUREMENT

10.1 APPLIED PROCEDURES / LIMIT

FCC Part15, Subpart E 15.407(g) / RSS-210 A1.1.4			
Test Item	Limit	Frequency Range (MHz)	Result
Frequency Stability	specified in the user's manual	5150 – 5250	PASS
		5250 – 5350	PASS
		5470 – 5725	PASS

10.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b.

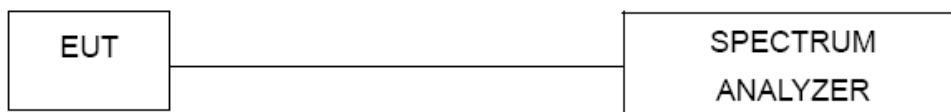
Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Entire absence of modulation emissions bandwidth
RB	10 kHz
VB	10 kHz
Sweep Time	Auto

- c. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.
d. user manual temperature is -30°C~50°C.

10.1.2 DEVIATION FROM STANDARD

No deviation.

10.1.3 TEST SETUP



10.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.6 Unless otherwise a special operating condition is specified in the follows during the testing.

10.1.5 EUT TEST CONDITIONS

Temperature: 25°C

Relative Humidity: 55%

Test Voltage: 120V/60Hz

**10.1.6 TEST RESULTS**

Test Mode :	Band 1
-------------	--------

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180
132	5179.951388
120	5179.948718
118	5179.984000
Max. Deviation (MHz)	0.051282
Max. Deviation (ppm)	9.90

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5180
-30	5179.986000
-20	5179.984000
-10	5179.989000
0	5179.986000
10	5179.983000
20	5179.986000
30	5179.982000
40	5179.986000
50	5179.985000
Max. Deviation (MHz)	0.018000
Max. Deviation (ppm)	3.47



Test Mode :	Band 2
--------------------	---------------

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5320
132	5319.941324
120	5319.946314
118	5319.951259
Max. Deviation (MHz)	0.058676
Max. Deviation (ppm)	11.03

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5320
-30	5319.941589
-20	5319.951278
-10	5319.971257
0	5319.981581
10	5319.954789
20	5319.973259
30	5319.982690
40	5319.975697
50	5319.962541
Max. Deviation (MHz)	0.058411
Max. Deviation (ppm)	10.9795



Test Mode :	Band 3
--------------------	---------------

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5700
132	5699.962568
120	5699.942308
118	5699.951268
Max. Deviation (MHz)	0.057692
Max. Deviation (ppm)	10.12

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(°C)	5700
-30	5699.951264
-20	5699.978945
-10	5699.957891
0	5699.961456
10	5699.981278
20	5699.954578
30	5699.954789
40	5699.966478
50	5699.945694
Max. Deviation (MHz)	0.054306
Max. Deviation (ppm)	9.5274



11. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Apr. 25, 2014
2	LISN	R&S	ENV216	100087	Nov.15, 2014
3	Test Cable	N/A	C_17	N/A	Mar.15, 2014
4	EMI TEST RECEIVER	R&S	ESCS30	826547/022	Apr. 25, 2014
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Apr. 25, 2014

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Apr. 25, 2014
2	Amplifier	HP	8447D	2944A09673	Apr. 25, 2014
3	Test Receiver	R&S	ESCI	100382	Apr. 25, 2014
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 02, 2014
5	Antenna	ETS	3115	00075789	Apr. 25, 2014
6	Amplifier	Agilent	8449B	3008A02274	Apr. 25, 2014
7	Spectrum	Agilent	E4408B	US39240143	Nov.15, 2014
8	Test Cable	HUBER+SUHNER	C-45	N/A	Apr. 30, 2014
9	Controller	CT	SC100	N/A	N/A
10	Horn Antenna	EMCO	3115	9605-4803	Apr. 25, 2014
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Apr. 25, 2014
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Oct. 22, 2014

26dB Spectrum Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.15, 2014

Maximum Conducted Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.15, 2014



Antenna Conducted Spurious Emission Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.15, 2014

Power Spectral Density Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.15, 2014

Peak Excursion Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.15, 2014

Frequency Stability Measurement

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov.15, 2014
2	Precision Oven Tester	HOLINK	H-T-1F-D	BA03101701	May.25.2014

Remark: "N/A" denotes no model name, serial no. or calibration specified.
All calibration period of equipment list is one year.