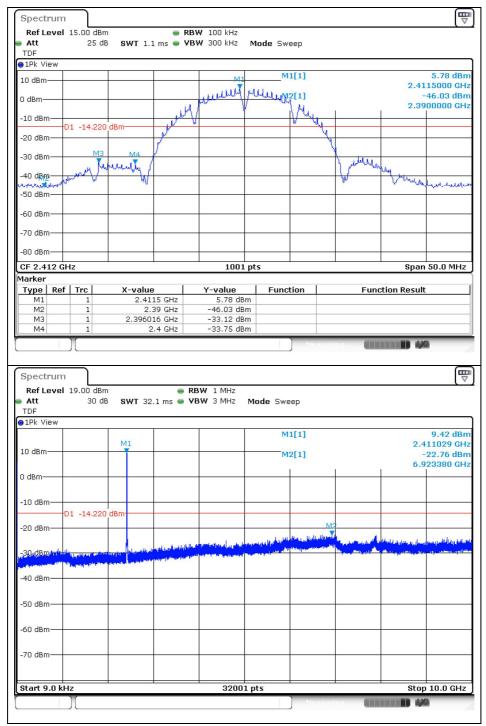


#### Test voltage: DC 24 V

#### DSSS: 802.11b (1 Mbps)

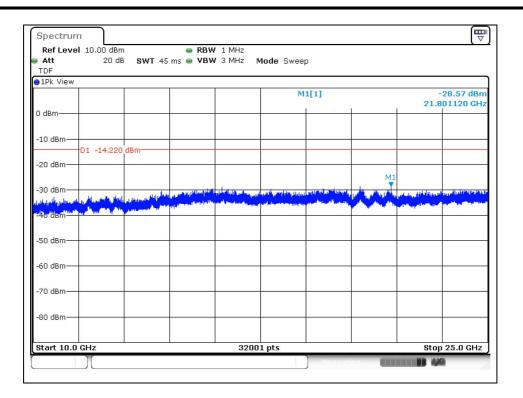
Low Channel



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SGS Korea Co., Ltd. (Gunpo Laboratory) 4, LS-ro 182beon-gil, Gunpo-si, Gyeonggi-do, Korea, 15807 http://www.sgsgroup.kr RTT5041-19(2017.07.10)(0) Tel. +82 31 428 5700 / Fax. +82 31 427 2370

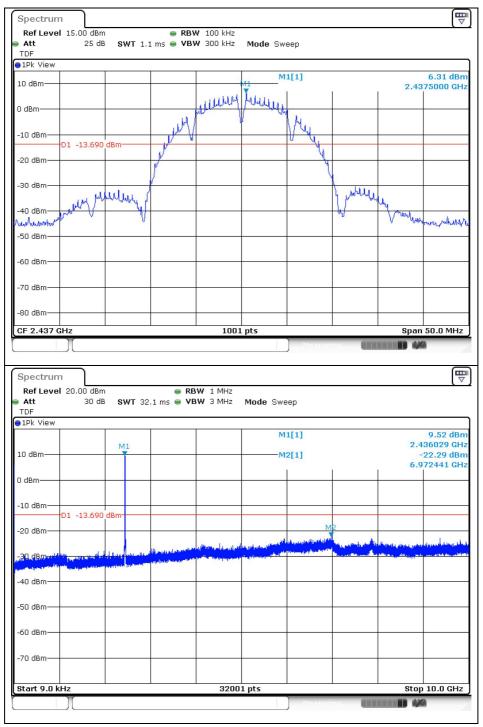




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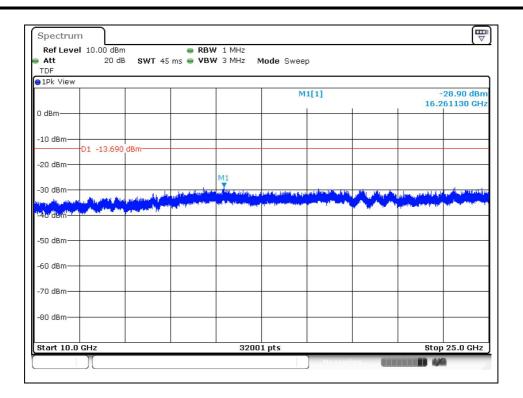


#### Middle Channel



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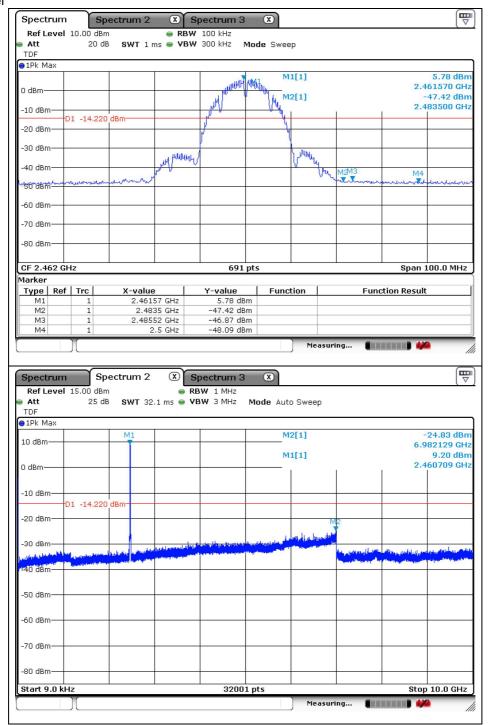




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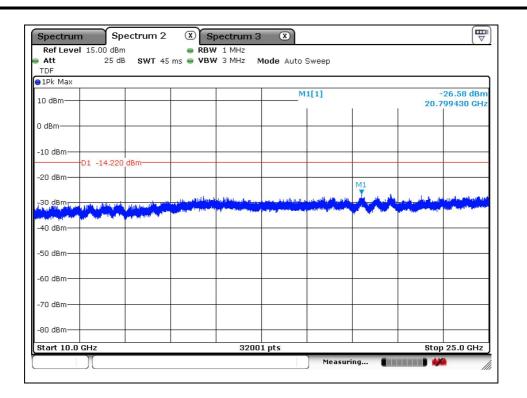


High Channel



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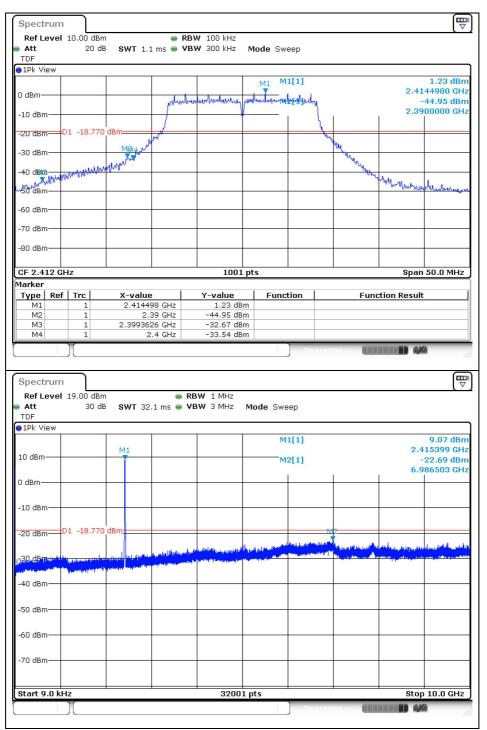


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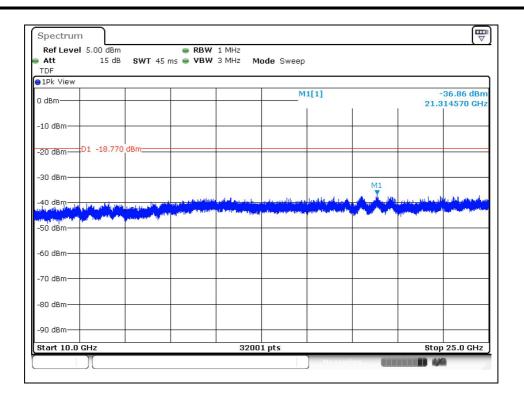
### OFDM: 802.11g (6 Mbps)

Low Channel



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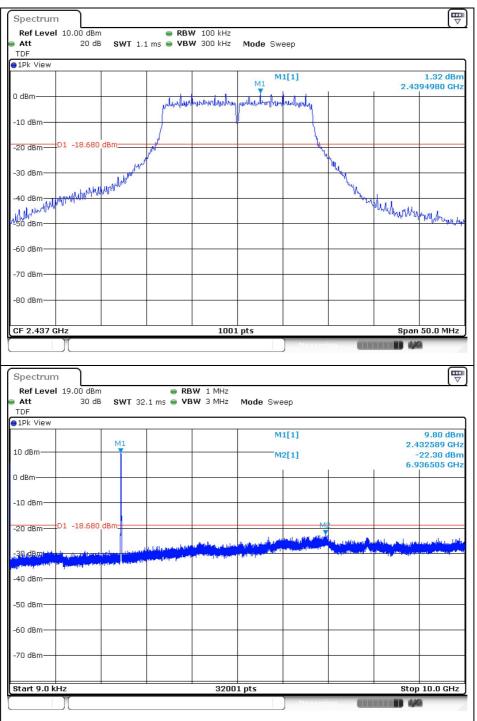




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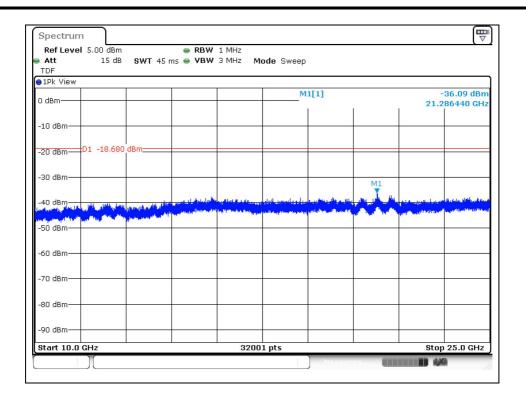


Middle Channel



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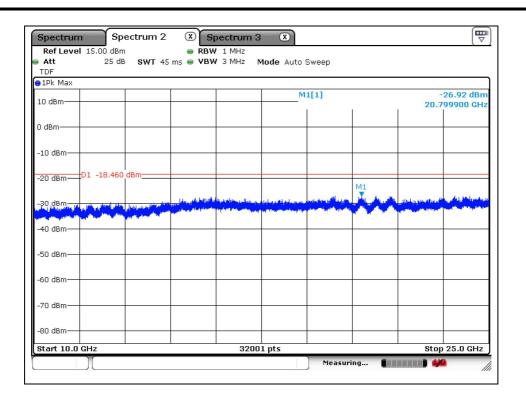
**High Channel** 

### Report Number: F690501/RF-RTL013645

₩ Spectrum 3 X Spectrum Spectrum 2 Ref Level 10.00 dBm RBW 100 kHz SWT 1 ms 👄 VBW 300 kHz 20 dB Att Mode Sweep TDF ●1Pk Max M1[1] 1.54 dBr M1 Witted 2.464460 GH 0 dBm the second M2[1] -43.01 dBn 2.483500 GH -10 dBm-D1 -18,460 dBm: -20 dBm -30 dBm Marbarall M. M -40 dBm workeller M4 So'abm--60 dBm -70 dBm -80 dBm CF 2.462 GHz 691 pts Span 100.0 MHz Marker TypeRefTrcM11 Function Result Y-value Function X-value 2.46446 GHz 2.4835 GHz 1.54 dBm -43.01 dBm M2 МЭ 2.48407 GHz 42.85 dBm M4 2.5 GHz -47.16 dBm Measuring... •••• ₽ Spectrum 2 X X Spectrum 3 Spectrum Ref Level 15.00 dBm RBW 1 MHz Att 25 dB SWT 32.1 ms 👄 VBW 3 MHz Mode Auto Sweep TDF 1Pk Max M2[1] -25.44 dBn 10 dBm 6.965879 GHz MI M1[1] 9.81 dBn 2.464459 GH 0 dBm -10 dBm D1 -18.460 dBm -20 dBm -30 dBm ار المظهرة O den -50 dBm -60 dBm 70 dBm -80 dBm Stop 10.0 GHz Start 9.0 kHz 32001 pts Measuring... for a second second 5

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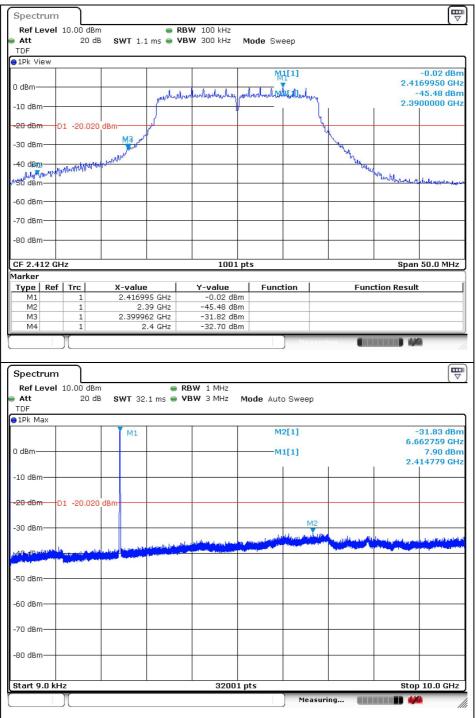


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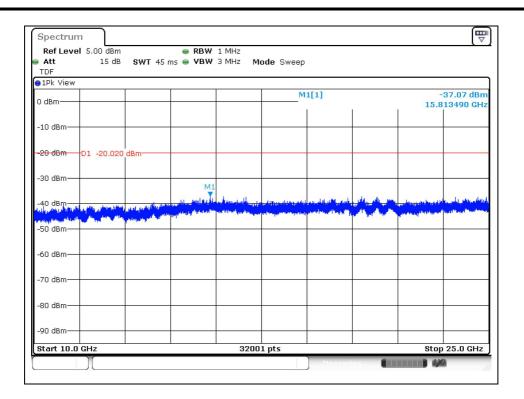
### OFDM: 802.11n\_HT20 (MCS0)

Low Channel



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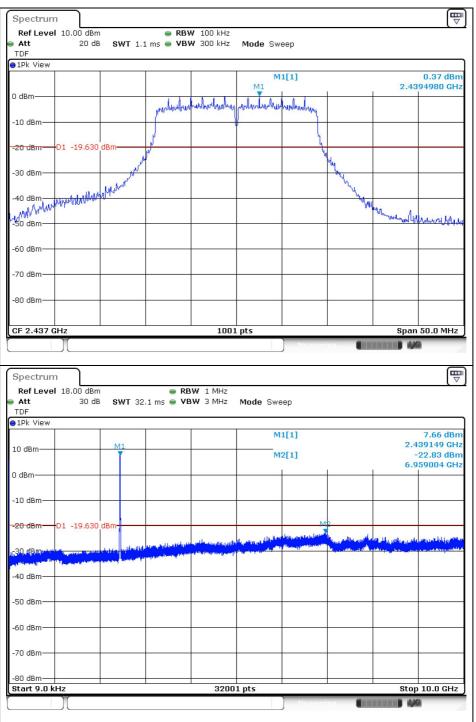




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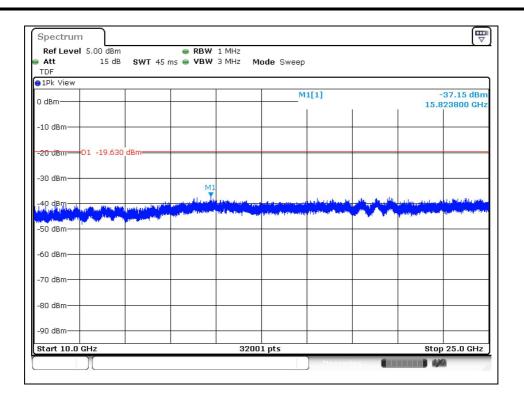


Middle Channel



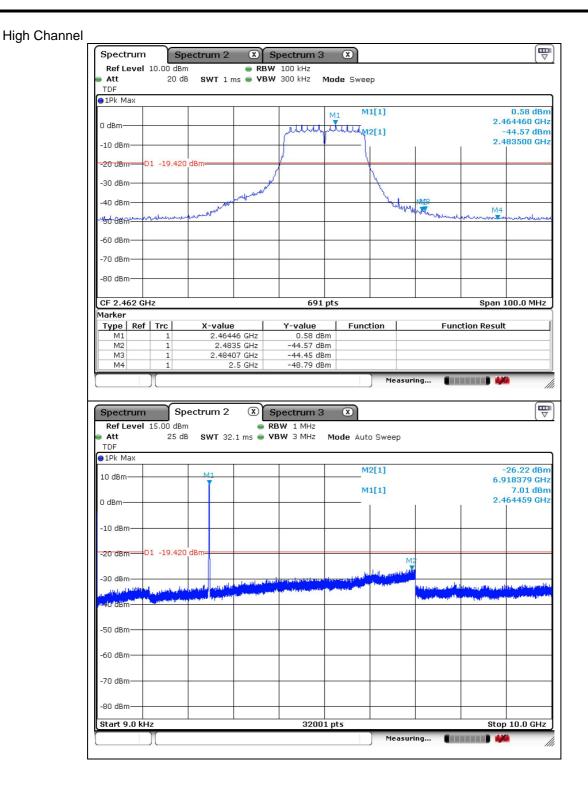
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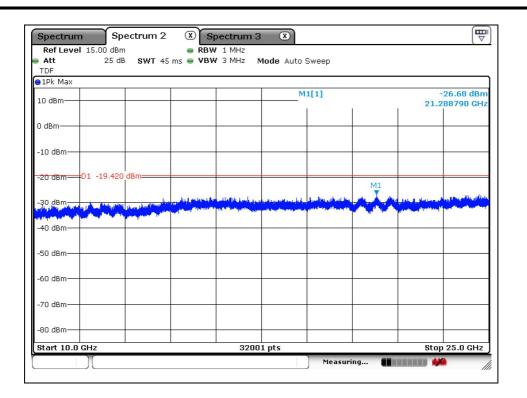
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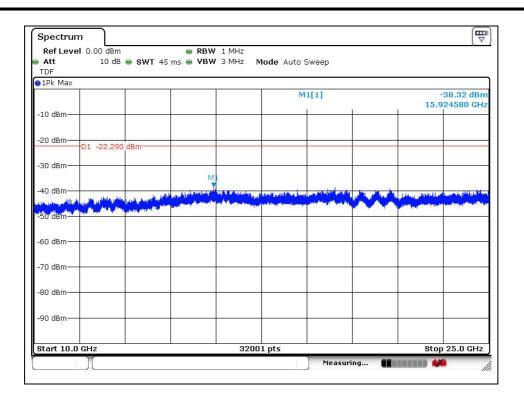
### OFDM: 802.11n\_HT40 (MCS0)

Low Channel

Spectrum									
Ref Level Att	8.00 dBm 20 dB			3W 100 kHz 3W 300 kHz M	ode Sweep				
TDF 1Pk View									
					M1 M1[1]				-2.29 dBn
0 dBm			1 July	dertide and the balance	mululululululululul	shell		2.4	258000 GH -39.59 dBn
-10 dBm			- Puter to					2.3	900000 GH
-20 dBm	)1 -22.29	D <sub>.</sub> dBm			, 	-++			
-30 dBm	M2	M							
40 dBm	hollowith the	equility derived and the	, w				N. March 1990	as tas 1	
50 dBm							an anthrough	ann an ann an	hold water parallel
-60 dBm									
-70 dBm									
-80 dBm									
oo ubiii									
CF 2.422 GH	Ηz			1001	. pts			Span	100.0 MHz
1arker Type   Ref	Trc	X-val	ue	Y-value	Function	1	Fund	ction Resu	lt
M1 M2	1	2.4	4258 GHz 2.39 GHz	-2.29 dB	m	_			
			5225 GHz	-39.39 dB					
MЗ	1								
	1		2.4 GHz	-39.23 dB		1			MA
MЗ						feasurin			
M3 M4 Spectrum Ref Level	1 ) ( SI 10.00 dB	pectrum 1	2.4 GHz	-39.23 de Spectrum 3 RBW 1 MHz	m X	feasurin	9		
M3 M4 Spectrum Ref Level Att TDF		pectrum 1	2.4 GHz	-39.23 de		rte a surio eep			
M3 M4 Spectrum Ref Level Att TDF	1 ) ( SI 10.00 dB	pectrum 1	2.4 GHz	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw	eep	o		( \
M3 M4 Spectrum Ref Level Att TDF 1Pk Max	1 ) ( SI 10.00 dB	pectrum 1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw	eep	0		-32.06 dBr 951509 GH
M3 M4 Spectrum Ref Level Att TDF 1Pk Max	1 ) ( SI 10.00 dB	Dectrum i m B SWT i	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw	eep		6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att TDF 1Pk Max	1 ) ( SI 10.00 dB	Dectrum i m B SWT i	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw	eep	•	6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att TDF 1Pk Max 0 dBm -10 dBm	1 ) ( SI 10.00 dB	Dectrum i m B SWT i	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw	eep		6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att TDF JIPk Max J dBm -10 dBm -20 dBm	1 ) ( SI 10.00 dB	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att TDF 1Pk Max 0 dBm 	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw	eep M2		6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att TDF 1Pk Max 0 dBm -10 dBm -20 dBm	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att D P PIPK Max D dBm -10 dBm -20 dBm C -30 dBm	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att D P PIPK Max D dBm -10 dBm -20 dBm C -30 dBm	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att TDF IPk Max O dBm -10 dBm -20 dBm -30 dBm -30 dBm -50 dBm	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBr 951509 GH 5.66 dBr
M3 M4 Spectrum Ref Level Att TDF 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBn 951509 GH 5.66 dBn
M3 M4 Spectrum Ref Level Att TDF 1Pk Max 0 dBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBr 951509 GH 5.66 dBr
M3   M4   Ref Level   Att   TDF   1Pk Max   0 dBm   -10 dBm   -20 dBm   -30 dBm   -50 dBm   -50 dBm   -60 dBm	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBn 951509 GH 5.66 dBn
M3 M4 Spectrum Ref Level Att TDF 1Pk Max 0 dBm -10 dBm -20 dBm	1 1	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw			6.	-32.06 dBn 951509 GH 5.66 dBn 430089 GH
M3 M4 Spectrum Ref Level Att TDF ) IPk Max ) OdBm -10 dBm -20 dBm -30 dBm -50 dBm -60 dBm -70 dBm	1 10.00 dBu 20 d	Dectrum m B SWT M1	2.4 GHz 2 X 32.1 ms	-39.23 de Spectrum 3 RBW 1 MHz	Mode Auto Sw Mode Auto Sw M2[1] M1[1]			6.	-32.06 dBn 951509 GH 5.66 dBn 430089 GH

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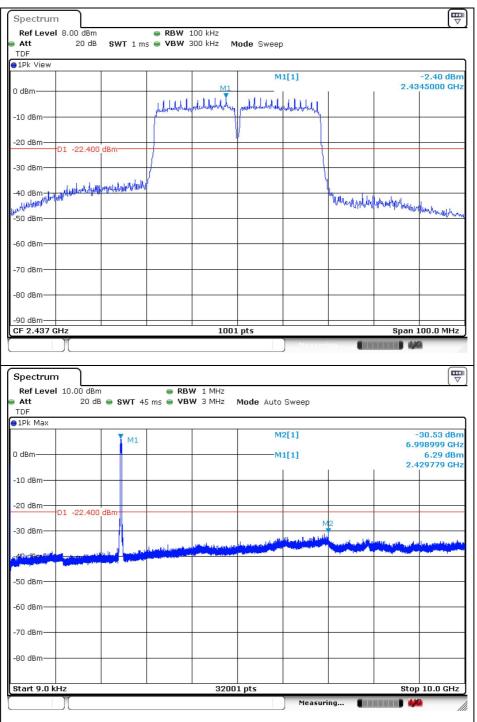




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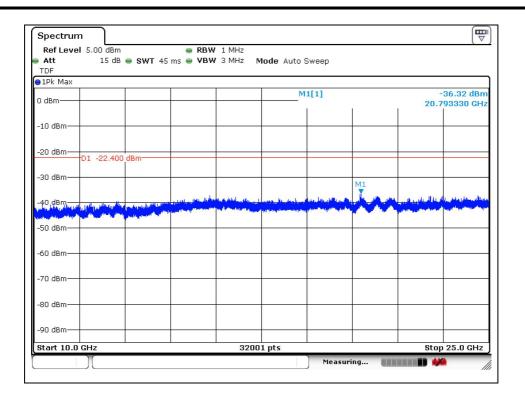


Middle Channel



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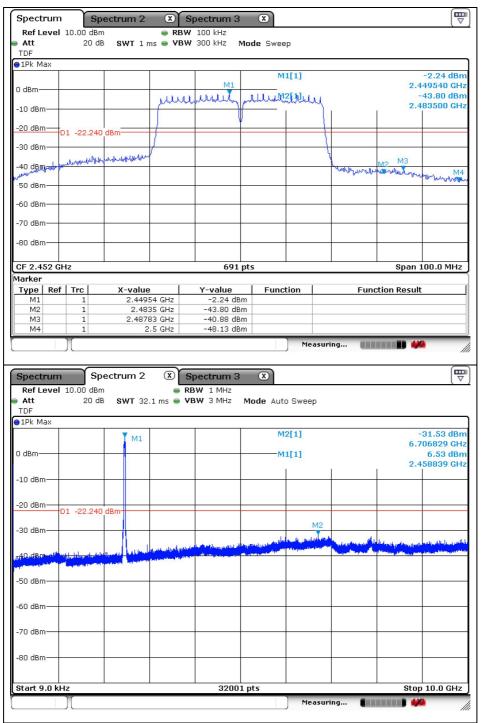




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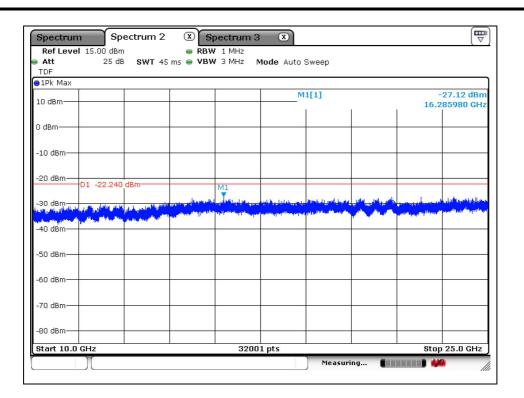


High Channel



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