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WIFI 5GHz Template: Release October 03rd, 2016

TEST REPORT

N°: 152845-715034-C

Version : 01







Subject

Radio spectrum matters
tests according to standards:
47 CFR Part 15.407 

Issued to

SAGEMCOM BROADBAND SAS
250 Route de l'Empereur
92500 – RUEIL MALMAISON
FRANCE

Apparatus under test

 Product	DCIW387 ATN
 Trade mark	SAGEMCOM
 Manufacturer	SAGEMCOM
 Model under test	DCIW387 ATN
 Serial number	617510000063
 FCC ID	VW3DCIW387

Test date

: January 22, 2018 to January 29, 2016

Test location

Fontenay Aux Roses

Composition of document

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Written by :
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Tests operator



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SUMMARY

1. TEST PROGRAM 4

2. EQUIPMENT UNDER TEST: CONFIGURATION (DECLARED BY PROVIDER) 5

3. OCCUPIED BANDWIDTH 18

4. CARRIER FREQUENCIES 28

5. 26DB EMISSION BANDWIDTH 41

6. 6DB EMISSION BANDWIDTH 51

7. DUTY CYCLE 57

8. MAXIMUM CONDUCTED OUTPUT POWER, MAXIMUM POWER SPECTRAL DENSITY, MAXIMUM EIRP, MAXIMUM EIRP SPECTRAL DENSITY 60

9. TRANSMIT POWER CONTROL 125

10. AC POWER LINE CONDUCTED EMISSIONS 152

11. UNWANTED EMISSIONS & UNDESIRABLE EMISSION 157

12. UNCERTAINTIES CHART 229



1. TEST PROGRAM

References

- 47 CFR Part 15.407
- KDB 789033 D02 General U-NII Tests Procedures New Rules v01r02
- KDB 662911 D01 Multiple Transmitter Output v02r01
- ANSI C63.10-2013

Radio requirement:

Clause (47CFR Part 15.407) Test Description	Test result - Comments			
Occupied Bandwidth ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA	<input type="checkbox"/> NP(1)
26dB Bandwidth ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA(2)	<input type="checkbox"/> NP(1)
6dB Bandwidth ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA(3)	<input type="checkbox"/> NP(1)
Duty Cycle ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA	<input type="checkbox"/> NP(1)
EIRP ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA	<input type="checkbox"/> NP(1)
Maximum Conducted Output Power ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA	<input type="checkbox"/> NP(1)
Power Spectral Density ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA	<input type="checkbox"/> NP(1)
Transmit Power Control ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA(4)	<input type="checkbox"/> NP(1)
AC Power Line Conducted Emission ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA(5)	<input type="checkbox"/> NP(1)
Unwanted Emissions & Undesirable Emission ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA	<input type="checkbox"/> NP(1)
Frequency Stability ℱ	<input checked="" type="checkbox"/> PASS	<input type="checkbox"/> FAIL	<input type="checkbox"/> NA	<input type="checkbox"/> NP(1)
This table is a summary of test report, see conclusion of each clause of this test report for detail.				

(1): Limited program

(2): EUT only operates outside the 5725MHz-5850MHz band

(3): EUT only operates inside the 5725MHz-5850MHz band

(4): EIRP below 27dBm or EUT only operates inside 5150MHz-5250MHz or/and 5725MHz-5850MHz bands

(5): EUT not directly or indirectly connected to the AC Power Public Network

2. EQUIPMENT UNDER TEST: CONFIGURATION (DECLARED BY PROVIDER)

2.1. HARDWARE IDENTIFICATION (EUT AND AUXILIARIES):

Equipment under test (EUT):
SAGEMCOM DCIW387 ATN

Serial Number: 617510000063



Front face



Back face

Equipment Under Test



Power supply cable



USB – RS232 cable

Equipment Under Test

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Under test	Comments
Power supply cable	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
USB – RS232 cable	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Data cable	-	-	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
Laptop computer	-	-	Use to set the EUT



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Equipment information:

Type:	WIFI			
Frequency band:	<input checked="" type="checkbox"/> 5150MHz-5250MHz	<input checked="" type="checkbox"/> 5250MHz-5350MHz	<input checked="" type="checkbox"/> 5470MHz-5725MHz	
	<input checked="" type="checkbox"/> 5725MHz-5850MHz			
Standard:	<input checked="" type="checkbox"/> 802.11a	<input checked="" type="checkbox"/> 802.11n HT20	<input checked="" type="checkbox"/> 802.11n HT40	
	<input checked="" type="checkbox"/> 802.11ac VHT20	<input checked="" type="checkbox"/> 802.11ac VHT40	<input checked="" type="checkbox"/> 802.11ac VHT80	
	<input type="checkbox"/> 802.11ac VHT160			
Spectrum Modulation:	<input checked="" type="checkbox"/> OFDM			
Channel bandwidth:	<input checked="" type="checkbox"/> 20MHz	<input checked="" type="checkbox"/> 40MHz	<input checked="" type="checkbox"/> 80MHz	<input type="checkbox"/> 160MHz
Antenna Type:	<input checked="" type="checkbox"/> Integral	<input type="checkbox"/> External	<input type="checkbox"/> Dedicated	
Antenna connector:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> Temporary for test	
Transmit chains:	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input checked="" type="checkbox"/> 4
	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8
TPC:	<input checked="" type="checkbox"/> Yes		<input type="checkbox"/> No	
Receiver chains	<input type="checkbox"/> 1	<input type="checkbox"/> 2	<input type="checkbox"/> 3	<input checked="" type="checkbox"/> 4
	<input type="checkbox"/> 5	<input type="checkbox"/> 6	<input type="checkbox"/> 7	<input type="checkbox"/> 8
Type of equipment:	<input checked="" type="checkbox"/> Stand-alone	<input type="checkbox"/> Plug-in	<input type="checkbox"/> Combined	
Operating temperature range:	Tmin:	<input type="checkbox"/> -20°C	<input checked="" type="checkbox"/> 0°C	<input type="checkbox"/> X °C
	Tnom:	20°C		
	Tmax:	<input type="checkbox"/> 35°C	<input type="checkbox"/> 55°C	<input checked="" type="checkbox"/> 40 °C
Type of power source:	<input checked="" type="checkbox"/> AC power supply	<input type="checkbox"/> DC power supply	<input type="checkbox"/> Battery Battery Type	
Operating voltage range:	Vmin:	<input checked="" type="checkbox"/> 100 V/60Hz	<input type="checkbox"/> X Vdc	
	Vnom:	<input checked="" type="checkbox"/> 110V/60Hz	<input type="checkbox"/> X Vdc	
	Vmax	<input checked="" type="checkbox"/> 120 V/60Hz	<input type="checkbox"/> X Vdc	
Mode:	<input type="checkbox"/> Master	<input type="checkbox"/> Slave with radar detection	<input checked="" type="checkbox"/> Slave without radar detection	
	<input type="checkbox"/> Bridge		<input type="checkbox"/> Mesh	
Fixed outdoor P to P/M application:	<input type="checkbox"/> Yes		<input checked="" type="checkbox"/> No	
System architectures:	<input checked="" type="checkbox"/> IP based		<input type="checkbox"/> Frame based	
User access restriction:	<input checked="" type="checkbox"/> Yes (The manufacturer declares that information regarding the parameters of the detected Radar Waveforms is not available to the end user)		<input type="checkbox"/> No	



Antenna Characteristic			
Antenna assembly	Gain (dBi)	Frequency Band (MHz)	Impedance(Ω)
1	1.209	5150-5725	50
2	1.209	5150-5725	50
3	1.209	5150-5725	50
4	1.209	5150-5725	50
Accumulated	7.23	5150-5725	50
1	1.619	5725-5850	50
2	1.619	5725-5850	50
3	1.619	5725-5850	50
4	1.619	5725-5850	50
Accumulated	7.64	5725-5850	50

Accumulated gain calculation		
Formula used for calculation	KDB	Correlated
$Directional\ Gain = 10 * \log \left(\frac{\left(10^{\frac{G_1}{20}} + 10^{\frac{G_2}{20}} + 10^{\frac{G_3}{20}} + \dots + 10^{\frac{G_N}{20}} \right)^2}{N} \right)$	KDB 662911 D01 v02r01*	<input checked="" type="checkbox"/> Yes / <input type="checkbox"/> No

*§ F) 2) d) i)



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CHANNEL PLAN		
802.11a / 802.11n HT20/ 802.11ac VHT20		
Channel	Frequency (MHz)	Available Channel
C1=36	5180	<input checked="" type="checkbox"/>
C2=40	5200	<input checked="" type="checkbox"/>
44	5220	<input checked="" type="checkbox"/>
C3=48	5240	<input checked="" type="checkbox"/>
C4=52	5260	<input checked="" type="checkbox"/>
56	5280	<input checked="" type="checkbox"/>
C5=60	5300	<input checked="" type="checkbox"/>
C6=64	5320	<input checked="" type="checkbox"/>
C7=100	5500	<input checked="" type="checkbox"/>
104	5520	<input checked="" type="checkbox"/>
108	5540	<input checked="" type="checkbox"/>
112	5560	<input checked="" type="checkbox"/>
C8=116	5580	<input checked="" type="checkbox"/>
120	5600	<input checked="" type="checkbox"/>
124	5620	<input checked="" type="checkbox"/>
128	5640	<input checked="" type="checkbox"/>
132	5660	<input checked="" type="checkbox"/>
136	5680	<input checked="" type="checkbox"/>
C9=140	5700	<input checked="" type="checkbox"/>
C10=144	5720	<input checked="" type="checkbox"/>
C11=149	5745	<input checked="" type="checkbox"/>
153	5765	<input checked="" type="checkbox"/>
C12=157	5785	<input checked="" type="checkbox"/>
161	5805	<input checked="" type="checkbox"/>
C13=165	5825	<input checked="" type="checkbox"/>



L C I E

CHANNEL PLAN		
802.11n HT40/ 802.11ac VHT40		
Channel	Frequency (MHz)	Available Channel
C14=36+40	5190	<input checked="" type="checkbox"/>
C15=44+48	5230	<input checked="" type="checkbox"/>
C16=52+56	5270	<input checked="" type="checkbox"/>
C17=60+64	5310	<input checked="" type="checkbox"/>
C18=100+104	5510	<input checked="" type="checkbox"/>
C19=108+112	5550	<input checked="" type="checkbox"/>
116+120	5590	<input checked="" type="checkbox"/>
124+128	5630	<input checked="" type="checkbox"/>
C20=132+136	5670	<input checked="" type="checkbox"/>
C21=140+144	5710	<input checked="" type="checkbox"/>
C22=149+153	5755	<input checked="" type="checkbox"/>
C23=157+161	5795	<input checked="" type="checkbox"/>

CHANNEL PLAN		
802.11ac VHT80		
Channel	Frequency (MHz)	Available Channel
C24=36+40+44+48	5210	<input checked="" type="checkbox"/>
C25=52+56+60+64	5290	<input checked="" type="checkbox"/>
C26=100+104+108+112	5530	<input checked="" type="checkbox"/>
C27=116+120+124+128	5610	<input checked="" type="checkbox"/>
C28=132+136+140+144	5690	<input checked="" type="checkbox"/>
C29=149+153+157+161	5775	<input checked="" type="checkbox"/>

No DFS Channel
DFS Channel



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DATA RATE		
802.11a		
Data Rate (Mbps)	Modulation Type	Modulation Worst Case
6	BPSK	<input checked="" type="checkbox"/>
9	BPSK	<input type="checkbox"/>
12	QPSK	<input type="checkbox"/>
18	QPSK	<input type="checkbox"/>
24	16-QAM	<input type="checkbox"/>
36	16-QAM	<input type="checkbox"/>
48	64-QAM	<input type="checkbox"/>
54	64-QAM	<input type="checkbox"/>



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DATA RATE									
802.11n HT20									
Available for EUT	MCS Index	Spatial streams	Modulation				Data Rate (Mbps)		Worst Case Modulation
							(GI = 800ns)	(GI = 400ns)	
<input checked="" type="checkbox"/>	0	1	BPSK				6.5	7.2	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	1	1	QPSK				13	14.4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	2	1	QPSK				19.5	21.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	3	1	16-QAM				26	28.9	<input type="checkbox"/>
<input checked="" type="checkbox"/>	4	1	16-QAM				39	43.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	5	1	64-QAM				52	57.8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	6	1	64-QAM				58.5	65	<input type="checkbox"/>
<input checked="" type="checkbox"/>	7	1	64-QAM				65	72.2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	8	2	BPSK				13	14.4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	9	2	QPSK				26	28.9	<input type="checkbox"/>
<input checked="" type="checkbox"/>	10	2	QPSK				39	43.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	11	2	16-QAM				52	57.8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	12	2	16-QAM				78	86.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	13	2	64-QAM				104	115.6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	14	2	64-QAM				117	130.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	15	2	64-QAM				130	144.4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	16	3	BPSK				19.5	21.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	17	3	QPSK				39	43.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	18	3	QPSK				58.5	65	<input type="checkbox"/>
<input checked="" type="checkbox"/>	19	3	16-QAM				78	86.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	20	3	16-QAM				117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	21	3	64-QAM				156	173.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	22	3	64-QAM				175.5	195	<input type="checkbox"/>
<input checked="" type="checkbox"/>	23	3	64-QAM				195	216.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	24	4	BPSK				26	28.9	<input type="checkbox"/>
<input checked="" type="checkbox"/>	25	4	QPSK				52	57.8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	26	4	QPSK				78	86.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	27	4	16-QAM				104	115.6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	28	4	16-QAM				156	173.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	29	4	64-QAM				208	231.1	<input type="checkbox"/>
<input checked="" type="checkbox"/>	30	4	64-QAM				234	260	<input type="checkbox"/>
<input checked="" type="checkbox"/>	31	4	64-QAM				260	288.9	<input type="checkbox"/>
<input checked="" type="checkbox"/>	32	1	BPSK	-	-	-	-	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	33	2	16-QAM	QPSK	-	-	39	43.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	34	2	64-QAM	QPSK	-	-	52	57.8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	35	2	64-QAM	16-QAM	-	-	65	72.2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	36	2	16-QAM	QPSK	-	-	58.5	65	<input type="checkbox"/>
<input checked="" type="checkbox"/>	37	2	64-QAM	QPSK	-	-	78	86.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	38	2	64-QAM	16-QAM	-	-	97.5	108.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	39	3	16-QAM	QPSK	QPSK	-	52	57.8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	40	3	16-QAM	16-QAM	QPSK	-	65	72.2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	41	3	64-QAM	QPSK	QPSK	-	65	72.2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	42	3	64-QAM	16-QAM	QPSK	-	78	86.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	43	3	64-QAM	16-QAM	16-QAM	-	91	101.1	<input type="checkbox"/>
<input checked="" type="checkbox"/>	44	3	64-QAM	64-QAM	QPSK	-	91	101.1	<input type="checkbox"/>
<input checked="" type="checkbox"/>	45	3	64-QAM	64-QAM	16-QAM	-	104	115.6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	46	3	16-QAM	QPSK	QPSK	-	78	86.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	47	3	16-QAM	16-QAM	QPSK	-	97.5	108.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	48	3	64-QAM	QPSK	QPSK	-	97.5	108.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	49	3	64-QAM	16-QAM	QPSK	-	117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	50	3	64-QAM	16-QAM	16-QAM	-	136.5	151.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	51	3	64-QAM	64-QAM	QPSK	-	136.5	151.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	52	3	64-QAM	64-QAM	16-QAM	-	156	173.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	53	4	16-QAM	QPSK	QPSK	QPSK	65	72.2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	54	4	16-QAM	16-QAM	QPSK	QPSK	78	86.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	55	4	16-QAM	16-QAM	16-QAM	QPSK	91	101.1	<input type="checkbox"/>
<input checked="" type="checkbox"/>	56	4	64-QAM	QPSK	QPSK	QPSK	78	86.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	57	4	64-QAM	16-QAM	QPSK	QPSK	91	101.1	<input type="checkbox"/>
<input checked="" type="checkbox"/>	58	4	64-QAM	16-QAM	16-QAM	QPSK	104	115.6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	59	4	64-QAM	16-QAM	16-QAM	16-QAM	117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	60	4	64-QAM	QPSK	QPSK	QPSK	104	115.6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	61	4	64-QAM	16-QAM	16-QAM	QPSK	117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	62	4	64-QAM	16-QAM	16-QAM	16-QAM	130	144.4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	63	4	64-QAM	64-QAM	64-QAM	QPSK	130	144.4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	64	4	64-QAM	64-QAM	64-QAM	16-QAM	143	158.9	<input type="checkbox"/>
<input checked="" type="checkbox"/>	65	4	16-QAM	QPSK	QPSK	QPSK	97.5	108.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	66	4	16-QAM	16-QAM	QPSK	QPSK	117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	67	4	16-QAM	16-QAM	16-QAM	QPSK	136.5	151.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	68	4	64-QAM	QPSK	QPSK	QPSK	117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	69	4	64-QAM	16-QAM	QPSK	QPSK	136.5	151.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	70	4	64-QAM	16-QAM	16-QAM	QPSK	156	173.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	71	4	64-QAM	16-QAM	16-QAM	16-QAM	175.5	195	<input type="checkbox"/>
<input checked="" type="checkbox"/>	72	4	64-QAM	64-QAM	QPSK	QPSK	156	173.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	73	4	64-QAM	64-QAM	16-QAM	QPSK	175.5	195	<input type="checkbox"/>
<input checked="" type="checkbox"/>	74	4	64-QAM	64-QAM	16-QAM	16-QAM	195	216.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	75	4	64-QAM	64-QAM	64-QAM	QPSK	195	216.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	76	4	64-QAM	64-QAM	64-QAM	16-QAM	214.5	238.3	<input type="checkbox"/>



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DATA RATE									
802.11n HT40									
Available for EUT	MCS Index	Spatial streams	Modulation				Data Rate (Mbps)		Worst Case Modulation
							(GI = 800ns)	(GI = 400ns)	
<input checked="" type="checkbox"/>	0	1	BPSK				13	15	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	1	1	QPSK				27	30	<input type="checkbox"/>
<input checked="" type="checkbox"/>	2	1	QPSK				40.5	45	<input type="checkbox"/>
<input checked="" type="checkbox"/>	3	1	16-QAM				54	60	<input type="checkbox"/>
<input checked="" type="checkbox"/>	4	1	16-QAM				81	90	<input type="checkbox"/>
<input checked="" type="checkbox"/>	5	1	64-QAM				108	120	<input type="checkbox"/>
<input checked="" type="checkbox"/>	6	1	64-QAM				121.5	135	<input type="checkbox"/>
<input checked="" type="checkbox"/>	7	1	64-QAM				135	150	<input type="checkbox"/>
<input checked="" type="checkbox"/>	8	2	BPSK				27	30	<input type="checkbox"/>
<input checked="" type="checkbox"/>	9	2	QPSK				54	60	<input type="checkbox"/>
<input checked="" type="checkbox"/>	10	2	QPSK				81	90	<input type="checkbox"/>
<input checked="" type="checkbox"/>	11	2	16-QAM				108	120	<input type="checkbox"/>
<input checked="" type="checkbox"/>	12	2	16-QAM				162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	13	2	64-QAM				216	240	<input type="checkbox"/>
<input checked="" type="checkbox"/>	14	2	64-QAM				243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	15	2	64-QAM				270	300	<input type="checkbox"/>
<input checked="" type="checkbox"/>	16	3	BPSK				40.5	45	<input type="checkbox"/>
<input checked="" type="checkbox"/>	17	3	QPSK				81	90	<input type="checkbox"/>
<input checked="" type="checkbox"/>	18	3	QPSK				121.5	135	<input type="checkbox"/>
<input checked="" type="checkbox"/>	19	3	16-QAM				162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	20	3	16-QAM				243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	21	3	64-QAM				324	360	<input type="checkbox"/>
<input checked="" type="checkbox"/>	22	3	64-QAM				364.5	405	<input type="checkbox"/>
<input checked="" type="checkbox"/>	23	3	64-QAM				405	450	<input type="checkbox"/>
<input checked="" type="checkbox"/>	24	4	BPSK				54	60	<input type="checkbox"/>
<input checked="" type="checkbox"/>	25	4	QPSK				108	120	<input type="checkbox"/>
<input checked="" type="checkbox"/>	26	4	QPSK				162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	27	4	16-QAM				216	240	<input type="checkbox"/>
<input checked="" type="checkbox"/>	28	4	16-QAM				324	360	<input type="checkbox"/>
<input checked="" type="checkbox"/>	29	4	64-QAM				432	480	<input type="checkbox"/>
<input checked="" type="checkbox"/>	30	4	64-QAM				486	540	<input type="checkbox"/>
<input checked="" type="checkbox"/>	31	4	64-QAM				540	600	<input type="checkbox"/>
<input checked="" type="checkbox"/>	32	1	BPSK	-	-	-	6.0	6.7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	33	2	16-QAM	QPSK	-	-	81	90.0	<input type="checkbox"/>
<input checked="" type="checkbox"/>	34	2	64-QAM	QPSK	-	-	108	120	<input type="checkbox"/>
<input checked="" type="checkbox"/>	35	2	64-QAM	16-QAM	-	-	135	150	<input type="checkbox"/>
<input checked="" type="checkbox"/>	36	2	16-QAM	QPSK	-	-	121.5	135	<input type="checkbox"/>
<input checked="" type="checkbox"/>	37	2	64-QAM	QPSK	-	-	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	38	2	64-QAM	16-QAM	-	-	202.5	225	<input type="checkbox"/>
<input checked="" type="checkbox"/>	39	3	16-QAM	QPSK	QPSK	-	108	120	<input type="checkbox"/>
<input checked="" type="checkbox"/>	40	3	16-QAM	16-QAM	QPSK	-	135	150	<input type="checkbox"/>
<input checked="" type="checkbox"/>	41	3	64-QAM	QPSK	QPSK	-	135	150	<input type="checkbox"/>
<input checked="" type="checkbox"/>	42	3	64-QAM	16-QAM	QPSK	-	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	43	3	64-QAM	16-QAM	16-QAM	-	189	210	<input type="checkbox"/>
<input checked="" type="checkbox"/>	44	3	64-QAM	64-QAM	QPSK	-	189	210	<input type="checkbox"/>
<input checked="" type="checkbox"/>	45	3	64-QAM	64-QAM	16-QAM	-	216	240	<input type="checkbox"/>
<input checked="" type="checkbox"/>	46	3	16-QAM	QPSK	QPSK	-	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	47	3	16-QAM	16-QAM	QPSK	-	202.5	225	<input type="checkbox"/>
<input checked="" type="checkbox"/>	48	3	64-QAM	QPSK	QPSK	-	202.5	225	<input type="checkbox"/>
<input checked="" type="checkbox"/>	49	3	64-QAM	16-QAM	QPSK	-	243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	50	3	64-QAM	16-QAM	16-QAM	-	283.5	315	<input type="checkbox"/>
<input checked="" type="checkbox"/>	51	3	64-QAM	64-QAM	QPSK	-	283.5	315	<input type="checkbox"/>
<input checked="" type="checkbox"/>	52	3	64-QAM	64-QAM	16-QAM	-	324	360	<input type="checkbox"/>
<input checked="" type="checkbox"/>	53	4	16-QAM	QPSK	QPSK	QPSK	135	150	<input type="checkbox"/>
<input checked="" type="checkbox"/>	54	4	16-QAM	16-QAM	QPSK	QPSK	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	55	4	16-QAM	16-QAM	16-QAM	QPSK	189	210	<input type="checkbox"/>
<input checked="" type="checkbox"/>	56	4	64-QAM	QPSK	QPSK	QPSK	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	57	4	64-QAM	16-QAM	QPSK	QPSK	189	210	<input type="checkbox"/>
<input checked="" type="checkbox"/>	58	4	64-QAM	16-QAM	16-QAM	QPSK	216	240	<input type="checkbox"/>
<input checked="" type="checkbox"/>	59	4	64-QAM	16-QAM	16-QAM	16-QAM	243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	60	4	64-QAM	QPSK	QPSK	QPSK	216	240	<input type="checkbox"/>
<input checked="" type="checkbox"/>	61	4	64-QAM	16-QAM	16-QAM	QPSK	243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	62	4	64-QAM	16-QAM	16-QAM	16-QAM	270	300	<input type="checkbox"/>
<input checked="" type="checkbox"/>	63	4	64-QAM	64-QAM	64-QAM	QPSK	270	300	<input type="checkbox"/>
<input checked="" type="checkbox"/>	64	4	64-QAM	64-QAM	64-QAM	16-QAM	297	330	<input type="checkbox"/>
<input checked="" type="checkbox"/>	65	4	16-QAM	QPSK	QPSK	QPSK	202.5	225	<input type="checkbox"/>
<input checked="" type="checkbox"/>	66	4	16-QAM	16-QAM	QPSK	QPSK	243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	67	4	16-QAM	16-QAM	16-QAM	QPSK	283.5	315	<input type="checkbox"/>
<input checked="" type="checkbox"/>	68	4	64-QAM	QPSK	QPSK	QPSK	243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	69	4	64-QAM	16-QAM	QPSK	QPSK	283.5	315	<input type="checkbox"/>
<input checked="" type="checkbox"/>	70	4	64-QAM	16-QAM	16-QAM	QPSK	324	360	<input type="checkbox"/>
<input checked="" type="checkbox"/>	71	4	64-QAM	16-QAM	16-QAM	16-QAM	364.5	405	<input type="checkbox"/>
<input checked="" type="checkbox"/>	72	4	64-QAM	64-QAM	QPSK	QPSK	324	360	<input type="checkbox"/>
<input checked="" type="checkbox"/>	73	4	64-QAM	64-QAM	16-QAM	QPSK	364.5	405	<input type="checkbox"/>
<input checked="" type="checkbox"/>	74	4	64-QAM	64-QAM	16-QAM	16-QAM	405	450	<input type="checkbox"/>
<input checked="" type="checkbox"/>	75	4	64-QAM	64-QAM	64-QAM	QPSK	405	450	<input type="checkbox"/>
<input checked="" type="checkbox"/>	76	4	64-QAM	64-QAM	64-QAM	16-QAM	445.5	495	<input type="checkbox"/>



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DATA RATE: 802.11ac VHT20							
Available for EUT	MCS Index	Nbr of spatial streams	Modulation (Stream 1/2/3/4)	Coding rate	GI = 800ns	GI = 400ns	Worst Case Modulation
<input checked="" type="checkbox"/>	0	1	BPSK	1/2	6,5	7,2	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	1	1	QPSK	1/2	13	14,4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	2	1	QPSK	3/4	19,5	21,7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	3	1	16-QAM	1/2	26	28,9	<input type="checkbox"/>
<input checked="" type="checkbox"/>	4	1	16-QAM	3/4	39	43,3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	5	1	64-QAM	2/3	52	57,8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	6	1	64-QAM	3/4	58,5	65	<input type="checkbox"/>
<input checked="" type="checkbox"/>	7	1	64-QAM	5/6	65	72,2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	8	1	256-QAM	3/4	78	86,7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	9	1	256-QAM	5/6	N/A	N/A	<input type="checkbox"/>
<input checked="" type="checkbox"/>	10	2	BPSK	1/2	13	14,4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	11	2	QPSK	1/2	26	28,8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	12	2	QPSK	3/4	39	43,4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	13	2	16-QAM	1/2	52	57,8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	14	2	16-QAM	3/4	78	86,6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	15	2	64-QAM	2/3	104	115,6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	16	2	64-QAM	3/4	117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	17	2	64-QAM	5/6	130	144,4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	18	2	256-QAM	3/4	156	173,4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	19	2	256-QAM	5/6	N/A	N/A	<input type="checkbox"/>
<input checked="" type="checkbox"/>	20	3	BPSK	1/2	19,5	21,6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	21	3	QPSK	1/2	39	43,2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	22	3	QPSK	3/4	58,5	65,1	<input type="checkbox"/>
<input checked="" type="checkbox"/>	23	3	16-QAM	1/2	78	86,7	<input type="checkbox"/>
<input checked="" type="checkbox"/>	24	3	16-QAM	3/4	117	129,9	<input type="checkbox"/>
<input checked="" type="checkbox"/>	25	3	64-QAM	2/3	156	173,4	<input type="checkbox"/>
<input checked="" type="checkbox"/>	26	3	64-QAM	3/4	175,5	195	<input type="checkbox"/>
<input checked="" type="checkbox"/>	27	3	64-QAM	5/6	195	216,6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	28	3	256-QAM	3/4	234	260,1	<input type="checkbox"/>
<input checked="" type="checkbox"/>	29	3	256-QAM	5/6	N/A	N/A	<input type="checkbox"/>
<input checked="" type="checkbox"/>	30	4	BPSK	1/2	26	28,8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	31	4	QPSK	1/2	52	57,6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	32	4	QPSK	3/4	78	86,8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	33	4	16-QAM	1/2	104	115,6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	34	4	16-QAM	3/4	156	173,2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	35	4	64-QAM	2/3	208	231,2	<input type="checkbox"/>
<input checked="" type="checkbox"/>	36	4	64-QAM	3/4	234	260	<input type="checkbox"/>
<input checked="" type="checkbox"/>	37	4	64-QAM	5/6	260	288,8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	38	4	256-QAM	3/4	312	346,8	<input type="checkbox"/>
<input checked="" type="checkbox"/>	39	4	256-QAM	5/6	N/A	N/A	<input type="checkbox"/>
<input type="checkbox"/>	40	5	BPSK	1/2	32,5	36	<input type="checkbox"/>
<input type="checkbox"/>	41	5	QPSK	1/2	65	72	<input type="checkbox"/>
<input type="checkbox"/>	42	5	QPSK	3/4	97,5	108,5	<input type="checkbox"/>
<input type="checkbox"/>	43	5	16-QAM	1/2	130	144,5	<input type="checkbox"/>
<input type="checkbox"/>	44	5	16-QAM	3/4	195	216,5	<input type="checkbox"/>
<input type="checkbox"/>	45	5	64-QAM	2/3	260	289	<input type="checkbox"/>
<input type="checkbox"/>	46	5	64-QAM	3/4	292,5	325	<input type="checkbox"/>
<input type="checkbox"/>	47	5	64-QAM	5/6	325	361	<input type="checkbox"/>
<input type="checkbox"/>	48	5	256-QAM	3/4	390	433,5	<input type="checkbox"/>
<input type="checkbox"/>	49	5	256-QAM	5/6	N/A	N/A	<input type="checkbox"/>
<input type="checkbox"/>	50	6	BPSK	1/2	39	43,2	<input type="checkbox"/>
<input type="checkbox"/>	51	6	QPSK	1/2	78	86,4	<input type="checkbox"/>
<input type="checkbox"/>	52	6	QPSK	3/4	117	130,2	<input type="checkbox"/>
<input type="checkbox"/>	53	6	16-QAM	1/2	156	173,4	<input type="checkbox"/>
<input type="checkbox"/>	54	6	16-QAM	3/4	234	259,8	<input type="checkbox"/>
<input type="checkbox"/>	55	6	64-QAM	2/3	312	346,8	<input type="checkbox"/>
<input type="checkbox"/>	56	6	64-QAM	3/4	351	390	<input type="checkbox"/>
<input type="checkbox"/>	57	6	64-QAM	5/6	390	433,2	<input type="checkbox"/>
<input type="checkbox"/>	58	6	256-QAM	3/4	468	520,2	<input type="checkbox"/>
<input type="checkbox"/>	59	6	256-QAM	5/6	N/A	N/A	<input type="checkbox"/>
<input type="checkbox"/>	60	7	BPSK	1/2	45,5	50,4	<input type="checkbox"/>
<input type="checkbox"/>	61	7	QPSK	1/2	91	100,8	<input type="checkbox"/>
<input type="checkbox"/>	62	7	QPSK	3/4	136,5	151,9	<input type="checkbox"/>
<input type="checkbox"/>	63	7	16-QAM	1/2	182	202,3	<input type="checkbox"/>
<input type="checkbox"/>	64	7	16-QAM	3/4	273	303,1	<input type="checkbox"/>
<input type="checkbox"/>	65	7	64-QAM	2/3	364	404,6	<input type="checkbox"/>
<input type="checkbox"/>	66	7	64-QAM	3/4	409,5	455	<input type="checkbox"/>
<input type="checkbox"/>	67	7	64-QAM	5/6	455	505,4	<input type="checkbox"/>
<input type="checkbox"/>	68	7	256-QAM	3/4	546	606,9	<input type="checkbox"/>
<input type="checkbox"/>	69	7	256-QAM	5/6	N/A	N/A	<input type="checkbox"/>
<input type="checkbox"/>	70	8	BPSK	1/2	52	57,6	<input type="checkbox"/>
<input type="checkbox"/>	71	8	QPSK	1/2	104	115,2	<input type="checkbox"/>
<input type="checkbox"/>	72	8	QPSK	3/4	156	173,6	<input type="checkbox"/>
<input type="checkbox"/>	73	8	16-QAM	1/2	208	231,2	<input type="checkbox"/>
<input type="checkbox"/>	74	8	16-QAM	3/4	312	346,4	<input type="checkbox"/>
<input type="checkbox"/>	75	8	64-QAM	2/3	416	462,4	<input type="checkbox"/>
<input type="checkbox"/>	76	8	64-QAM	3/4	468	520	<input type="checkbox"/>
<input type="checkbox"/>	77	8	64-QAM	5/6	520	577,6	<input type="checkbox"/>
<input type="checkbox"/>	78	8	256-QAM	3/4	624	693,6	<input type="checkbox"/>
<input type="checkbox"/>	79	8	256-QAM	5/6	N/A	N/A	<input type="checkbox"/>



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DATA RATE: 802.11ac VHT40							
Available for EUT	MCS Index	Nbr of spatial streams	Modulation (Stream 1/2/3/4)	Coding rate	GI = 800ns	GI = 400ns	Worst Case Modulation
<input checked="" type="checkbox"/>	0	1	BPSK	1/2	13,5	15	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	1	1	QPSK	1/2	27	30	<input type="checkbox"/>
<input checked="" type="checkbox"/>	2	1	QPSK	3/4	40,5	45	<input type="checkbox"/>
<input checked="" type="checkbox"/>	3	1	16-QAM	1/2	54	60	<input type="checkbox"/>
<input checked="" type="checkbox"/>	4	1	16-QAM	3/4	81	90	<input type="checkbox"/>
<input checked="" type="checkbox"/>	5	1	64-QAM	2/3	108	120	<input type="checkbox"/>
<input checked="" type="checkbox"/>	6	1	64-QAM	3/4	121,5	135	<input type="checkbox"/>
<input checked="" type="checkbox"/>	7	1	64-QAM	5/6	135	150	<input type="checkbox"/>
<input checked="" type="checkbox"/>	8	1	256-QAM	3/4	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	9	1	256-QAM	5/6	180	200	<input type="checkbox"/>
<input checked="" type="checkbox"/>	10	2	BPSK	1/2	27	30	<input type="checkbox"/>
<input checked="" type="checkbox"/>	11	2	QPSK	1/2	54	60	<input type="checkbox"/>
<input checked="" type="checkbox"/>	12	2	QPSK	3/4	81	90	<input type="checkbox"/>
<input checked="" type="checkbox"/>	13	2	16-QAM	1/2	108	120	<input type="checkbox"/>
<input checked="" type="checkbox"/>	14	2	16-QAM	3/4	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	15	2	64-QAM	2/3	216	240	<input type="checkbox"/>
<input checked="" type="checkbox"/>	16	2	64-QAM	3/4	243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	17	2	64-QAM	5/6	270	300	<input type="checkbox"/>
<input checked="" type="checkbox"/>	18	2	256-QAM	3/4	324	360	<input type="checkbox"/>
<input checked="" type="checkbox"/>	19	2	256-QAM	5/6	360	400	<input type="checkbox"/>
<input checked="" type="checkbox"/>	20	3	BPSK	1/2	40,5	45	<input type="checkbox"/>
<input checked="" type="checkbox"/>	21	3	QPSK	1/2	81	90	<input type="checkbox"/>
<input checked="" type="checkbox"/>	22	3	QPSK	3/4	121,5	135	<input type="checkbox"/>
<input checked="" type="checkbox"/>	23	3	16-QAM	1/2	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	24	3	16-QAM	3/4	243	270	<input type="checkbox"/>
<input checked="" type="checkbox"/>	25	3	64-QAM	2/3	324	360	<input type="checkbox"/>
<input checked="" type="checkbox"/>	26	3	64-QAM	3/4	364,5	405	<input type="checkbox"/>
<input checked="" type="checkbox"/>	27	3	64-QAM	5/6	405	450	<input type="checkbox"/>
<input checked="" type="checkbox"/>	28	3	256-QAM	3/4	486	540	<input type="checkbox"/>
<input checked="" type="checkbox"/>	29	3	256-QAM	5/6	540	600	<input type="checkbox"/>
<input checked="" type="checkbox"/>	30	4	BPSK	1/2	54	60	<input type="checkbox"/>
<input checked="" type="checkbox"/>	31	4	QPSK	1/2	108	120	<input type="checkbox"/>
<input checked="" type="checkbox"/>	32	4	QPSK	3/4	162	180	<input type="checkbox"/>
<input checked="" type="checkbox"/>	33	4	16-QAM	1/2	216	240	<input type="checkbox"/>
<input checked="" type="checkbox"/>	34	4	16-QAM	3/4	324	360	<input type="checkbox"/>
<input checked="" type="checkbox"/>	35	4	64-QAM	2/3	432	480	<input type="checkbox"/>
<input checked="" type="checkbox"/>	36	4	64-QAM	3/4	486	540	<input type="checkbox"/>
<input checked="" type="checkbox"/>	37	4	64-QAM	5/6	540	600	<input type="checkbox"/>
<input checked="" type="checkbox"/>	38	4	256-QAM	3/4	648	720	<input type="checkbox"/>
<input checked="" type="checkbox"/>	39	4	256-QAM	5/6	720	800	<input type="checkbox"/>
<input type="checkbox"/>	40	5	BPSK	1/2	67,5	75	<input type="checkbox"/>
<input type="checkbox"/>	41	5	QPSK	1/2	135	150	<input type="checkbox"/>
<input type="checkbox"/>	42	5	QPSK	3/4	202,5	225	<input type="checkbox"/>
<input type="checkbox"/>	43	5	16-QAM	1/2	270	300	<input type="checkbox"/>
<input type="checkbox"/>	44	5	16-QAM	3/4	405	450	<input type="checkbox"/>
<input type="checkbox"/>	45	5	64-QAM	2/3	540	600	<input type="checkbox"/>
<input type="checkbox"/>	46	5	64-QAM	3/4	607,5	675	<input type="checkbox"/>
<input type="checkbox"/>	47	5	64-QAM	5/6	675	750	<input type="checkbox"/>
<input type="checkbox"/>	48	5	256-QAM	3/4	810	900	<input type="checkbox"/>
<input type="checkbox"/>	49	5	256-QAM	5/6	900	1000	<input type="checkbox"/>
<input type="checkbox"/>	50	6	BPSK	1/2	81	90	<input type="checkbox"/>
<input type="checkbox"/>	51	6	QPSK	1/2	162	180	<input type="checkbox"/>
<input type="checkbox"/>	52	6	QPSK	3/4	243	270	<input type="checkbox"/>
<input type="checkbox"/>	53	6	16-QAM	1/2	324	360	<input type="checkbox"/>
<input type="checkbox"/>	54	6	16-QAM	3/4	486	540	<input type="checkbox"/>
<input type="checkbox"/>	55	6	64-QAM	2/3	648	720	<input type="checkbox"/>
<input type="checkbox"/>	56	6	64-QAM	3/4	729	810	<input type="checkbox"/>
<input type="checkbox"/>	57	6	64-QAM	5/6	810	900	<input type="checkbox"/>
<input type="checkbox"/>	58	6	256-QAM	3/4	972	1080	<input type="checkbox"/>
<input type="checkbox"/>	59	6	256-QAM	5/6	1080	1200	<input type="checkbox"/>
<input type="checkbox"/>	60	7	BPSK	1/2	94,5	105	<input type="checkbox"/>
<input type="checkbox"/>	61	7	QPSK	1/2	189	210	<input type="checkbox"/>
<input type="checkbox"/>	62	7	QPSK	3/4	283,5	315	<input type="checkbox"/>
<input type="checkbox"/>	63	7	16-QAM	1/2	378	420	<input type="checkbox"/>
<input type="checkbox"/>	64	7	16-QAM	3/4	567	630	<input type="checkbox"/>
<input type="checkbox"/>	65	7	64-QAM	2/3	756	840	<input type="checkbox"/>
<input type="checkbox"/>	66	7	64-QAM	3/4	850,5	945	<input type="checkbox"/>
<input type="checkbox"/>	67	7	64-QAM	5/6	945	1050	<input type="checkbox"/>
<input type="checkbox"/>	68	7	256-QAM	3/4	1134	1260	<input type="checkbox"/>
<input type="checkbox"/>	69	7	256-QAM	5/6	1260	1400	<input type="checkbox"/>
<input type="checkbox"/>	70	8	BPSK	1/2	108	120	<input type="checkbox"/>
<input type="checkbox"/>	71	8	QPSK	1/2	216	240	<input type="checkbox"/>
<input type="checkbox"/>	72	8	QPSK	3/4	324	360	<input type="checkbox"/>
<input type="checkbox"/>	73	8	16-QAM	1/2	432	480	<input type="checkbox"/>
<input type="checkbox"/>	74	8	16-QAM	3/4	648	720	<input type="checkbox"/>
<input type="checkbox"/>	75	8	64-QAM	2/3	864	960	<input type="checkbox"/>
<input type="checkbox"/>	76	8	64-QAM	3/4	972	1080	<input type="checkbox"/>
<input type="checkbox"/>	77	8	64-QAM	5/6	1080	1200	<input type="checkbox"/>
<input type="checkbox"/>	78	8	256-QAM	3/4	1296	1440	<input type="checkbox"/>
<input type="checkbox"/>	79	8	256-QAM	5/6	1440	1600	<input type="checkbox"/>



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DATA RATE: 802.11ac VHT80							
Available for EUT	MCS Index	Nbr of spatial streams	Modulation (Stream 1/2/3/4)	Coding rate	GI = 800ns	GI = 400ns	Worst Case Modulation
<input checked="" type="checkbox"/>	0	1	BPSK	1/2	29.3	32.5	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	1	1	QPSK	1/2	58.5	65	<input type="checkbox"/>
<input checked="" type="checkbox"/>	2	1	QPSK	3/4	87.8	97.5	<input type="checkbox"/>
<input checked="" type="checkbox"/>	3	1	16-QAM	1/2	117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	4	1	16-QAM	3/4	175.5	195	<input type="checkbox"/>
<input checked="" type="checkbox"/>	5	1	64-QAM	2/3	234	260	<input type="checkbox"/>
<input checked="" type="checkbox"/>	6	1	64-QAM	3/4	263.3	292.5	<input type="checkbox"/>
<input checked="" type="checkbox"/>	7	1	64-QAM	5/6	292.5	325	<input type="checkbox"/>
<input checked="" type="checkbox"/>	8	1	256-QAM	3/4	351	390	<input type="checkbox"/>
<input checked="" type="checkbox"/>	9	1	256-QAM	5/6	390	433.3	<input type="checkbox"/>
<input checked="" type="checkbox"/>	10	2	BPSK	1/2	58.6	65	<input type="checkbox"/>
<input checked="" type="checkbox"/>	11	2	QPSK	1/2	117	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	12	2	QPSK	3/4	175.6	195	<input type="checkbox"/>
<input checked="" type="checkbox"/>	13	2	16-QAM	1/2	234	260	<input type="checkbox"/>
<input checked="" type="checkbox"/>	14	2	16-QAM	3/4	351	390	<input type="checkbox"/>
<input checked="" type="checkbox"/>	15	2	64-QAM	2/3	468	520	<input type="checkbox"/>
<input checked="" type="checkbox"/>	16	2	64-QAM	3/4	526.6	585	<input type="checkbox"/>
<input checked="" type="checkbox"/>	17	2	64-QAM	5/6	585	650	<input type="checkbox"/>
<input checked="" type="checkbox"/>	18	2	256-QAM	3/4	702	780	<input type="checkbox"/>
<input checked="" type="checkbox"/>	19	2	256-QAM	5/6	780	866.6	<input type="checkbox"/>
<input checked="" type="checkbox"/>	20	3	BPSK	1/2	87.9	97.5	<input type="checkbox"/>
<input checked="" type="checkbox"/>	21	3	QPSK	1/2	175.5	195	<input type="checkbox"/>
<input checked="" type="checkbox"/>	22	3	QPSK	3/4	263.4	292.5	<input type="checkbox"/>
<input checked="" type="checkbox"/>	23	3	16-QAM	1/2	351	390	<input type="checkbox"/>
<input checked="" type="checkbox"/>	24	3	16-QAM	3/4	526.5	585	<input type="checkbox"/>
<input checked="" type="checkbox"/>	25	3	64-QAM	2/3	702	780	<input type="checkbox"/>
<input checked="" type="checkbox"/>	26	3	64-QAM	3/4	789.9	877.5	<input type="checkbox"/>
<input checked="" type="checkbox"/>	27	3	64-QAM	5/6	877.5	975	<input type="checkbox"/>
<input checked="" type="checkbox"/>	28	3	256-QAM	3/4	1053	1170	<input type="checkbox"/>
<input checked="" type="checkbox"/>	29	3	256-QAM	5/6	1170	1299.9	<input type="checkbox"/>
<input checked="" type="checkbox"/>	30	4	BPSK	1/2	117.2	130	<input type="checkbox"/>
<input checked="" type="checkbox"/>	31	4	QPSK	1/2	234	260	<input type="checkbox"/>
<input checked="" type="checkbox"/>	32	4	QPSK	3/4	351.2	390	<input type="checkbox"/>
<input checked="" type="checkbox"/>	33	4	16-QAM	1/2	468	520	<input type="checkbox"/>
<input checked="" type="checkbox"/>	34	4	16-QAM	3/4	702	780	<input type="checkbox"/>
<input checked="" type="checkbox"/>	35	4	64-QAM	2/3	936	1040	<input type="checkbox"/>
<input checked="" type="checkbox"/>	36	4	64-QAM	3/4	1053.2	1170	<input type="checkbox"/>
<input checked="" type="checkbox"/>	37	4	64-QAM	5/6	1170	1300	<input type="checkbox"/>
<input checked="" type="checkbox"/>	38	4	256-QAM	3/4	1404	1560	<input type="checkbox"/>
<input checked="" type="checkbox"/>	39	4	256-QAM	5/6	1560	1733.2	<input type="checkbox"/>
<input type="checkbox"/>	40	5	BPSK	1/2	146.5	162.5	<input type="checkbox"/>
<input type="checkbox"/>	41	5	QPSK	1/2	292.5	325	<input type="checkbox"/>
<input type="checkbox"/>	42	5	QPSK	3/4	439	487.5	<input type="checkbox"/>
<input type="checkbox"/>	43	5	16-QAM	1/2	585	650	<input type="checkbox"/>
<input type="checkbox"/>	44	5	16-QAM	3/4	877.5	975	<input type="checkbox"/>
<input type="checkbox"/>	45	5	64-QAM	2/3	1170	1300	<input type="checkbox"/>
<input type="checkbox"/>	46	5	64-QAM	3/4	1316.5	1462.5	<input type="checkbox"/>
<input type="checkbox"/>	47	5	64-QAM	5/6	1462.5	1625	<input type="checkbox"/>
<input type="checkbox"/>	48	5	256-QAM	3/4	1755	1950	<input type="checkbox"/>
<input type="checkbox"/>	49	5	256-QAM	5/6	1950	2166.5	<input type="checkbox"/>
<input type="checkbox"/>	50	6	BPSK	1/2	175.8	195	<input type="checkbox"/>
<input type="checkbox"/>	51	6	QPSK	1/2	351	390	<input type="checkbox"/>
<input type="checkbox"/>	52	6	QPSK	3/4	526.8	585	<input type="checkbox"/>
<input type="checkbox"/>	53	6	16-QAM	1/2	702	780	<input type="checkbox"/>
<input type="checkbox"/>	54	6	16-QAM	3/4	1053	1170	<input type="checkbox"/>
<input type="checkbox"/>	55	6	64-QAM	2/3	1404	1560	<input type="checkbox"/>
<input type="checkbox"/>	56	6	64-QAM	3/4	1579.8	1755	<input type="checkbox"/>
<input type="checkbox"/>	57	6	64-QAM	5/6	1755	1950	<input type="checkbox"/>
<input type="checkbox"/>	58	6	256-QAM	3/4	2106	2340	<input type="checkbox"/>
<input type="checkbox"/>	59	6	256-QAM	5/6	2340	2599.8	<input type="checkbox"/>
<input type="checkbox"/>	60	7	BPSK	1/2	205.1	227.5	<input type="checkbox"/>
<input type="checkbox"/>	61	7	QPSK	1/2	409.5	455	<input type="checkbox"/>
<input type="checkbox"/>	62	7	QPSK	3/4	614.6	682.5	<input type="checkbox"/>
<input type="checkbox"/>	63	7	16-QAM	1/2	819	910	<input type="checkbox"/>
<input type="checkbox"/>	64	7	16-QAM	3/4	1228.5	1365	<input type="checkbox"/>
<input type="checkbox"/>	65	7	64-QAM	2/3	1638	1820	<input type="checkbox"/>
<input type="checkbox"/>	66	7	64-QAM	3/4	1843.1	2047.5	<input type="checkbox"/>
<input type="checkbox"/>	67	7	64-QAM	5/6	2047.5	2275	<input type="checkbox"/>
<input type="checkbox"/>	68	7	256-QAM	3/4	2457	2730	<input type="checkbox"/>
<input type="checkbox"/>	69	7	256-QAM	5/6	2730	3033.1	<input type="checkbox"/>
<input type="checkbox"/>	70	8	BPSK	1/2	234.4	260	<input type="checkbox"/>
<input type="checkbox"/>	71	8	QPSK	1/2	468	520	<input type="checkbox"/>
<input type="checkbox"/>	72	8	QPSK	3/4	702.4	780	<input type="checkbox"/>
<input type="checkbox"/>	73	8	16-QAM	1/2	936	1040	<input type="checkbox"/>
<input type="checkbox"/>	74	8	16-QAM	3/4	1404	1560	<input type="checkbox"/>
<input type="checkbox"/>	75	8	64-QAM	2/3	1872	2080	<input type="checkbox"/>
<input type="checkbox"/>	76	8	64-QAM	3/4	2106.4	2340	<input type="checkbox"/>
<input type="checkbox"/>	77	8	64-QAM	5/6	2340	2600	<input type="checkbox"/>
<input type="checkbox"/>	78	8	256-QAM	3/4	2808	3120	<input type="checkbox"/>
<input type="checkbox"/>	79	8	256-QAM	5/6	3120	3466.4	<input type="checkbox"/>

2.2. RUNNING MODE

The EUT is set in the following modes during tests:

- Permanent emission with modulation on a fixed channel in the data rate that produced the highest power
- Permanent emission with modulation on a fixed channel in the data rate that produced the lowest power
- Permanent reception

Following commands with the specific test software “STB_MTool_2_1_1_0” are used to set the product:

- See document “SD-20180105 - U44_997951_01 - WLAN FCC Notice for certification.pdf” for command used during test.
- See document “18_01_23_FCC_DSP_Power_LCIE.xlsx” for the target used.

2.3. EQUIPMENT LABELLING



2.4. EQUIPMENT MODIFICATION

- None Modification:

3. OCCUPIED BANDWIDTH

3.1. TEST CONDITIONS

Test performed by : Armand MAHOUNGOU
Date of test : January 22, 2018
Ambient temperature : 26 °C
Relative humidity : 44 %

3.2. TEST SETUP

- The Equipment Under Test is installed:

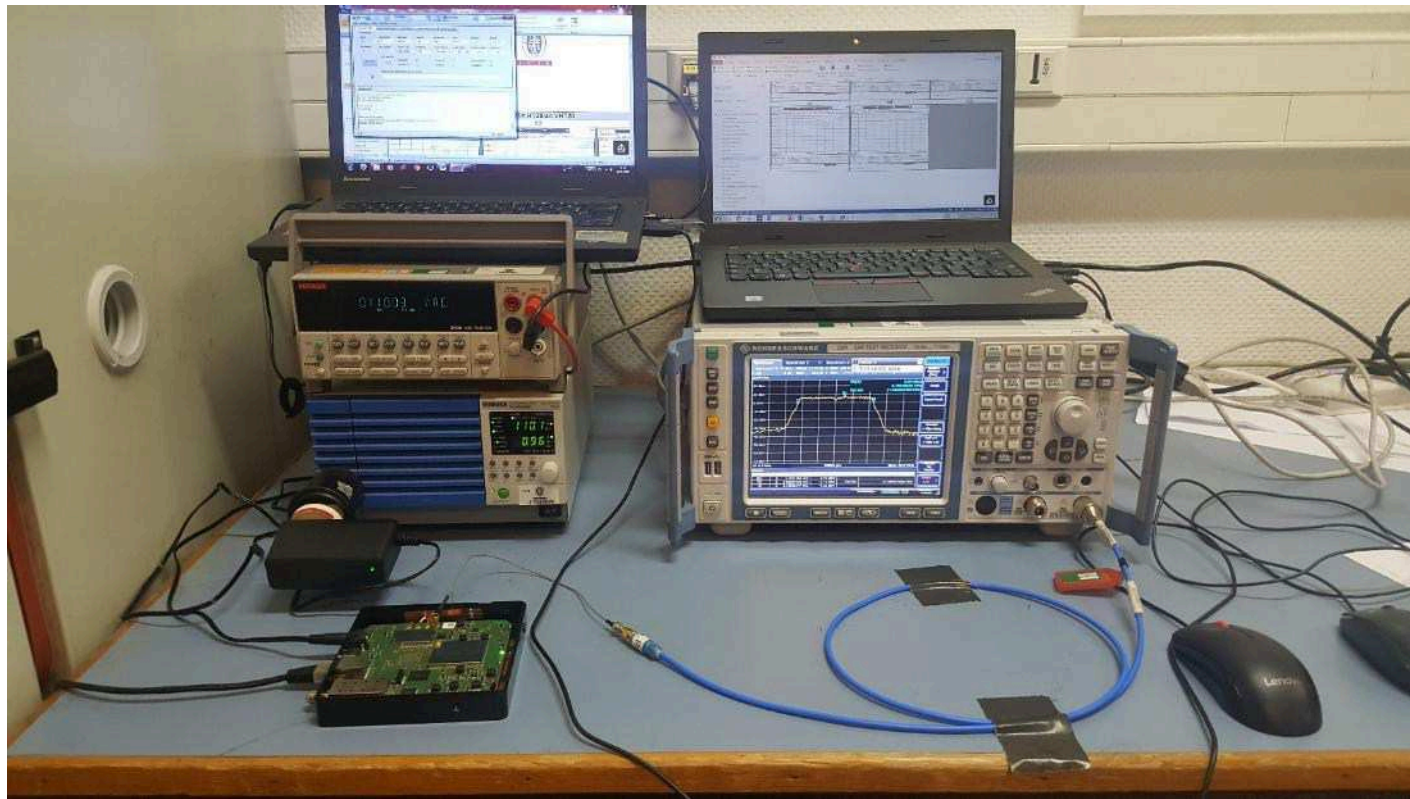
- On a table
- In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:

- Conducted Method
- Radiated Method

- Test Procedure:

- KDB 789033 D02 General UNII Test Procedures New Rules v01r02 § D



Photograph for Occupied bandwidth



3.1. LIMIT

None

3.2. TEST EQUIPMENT LIST

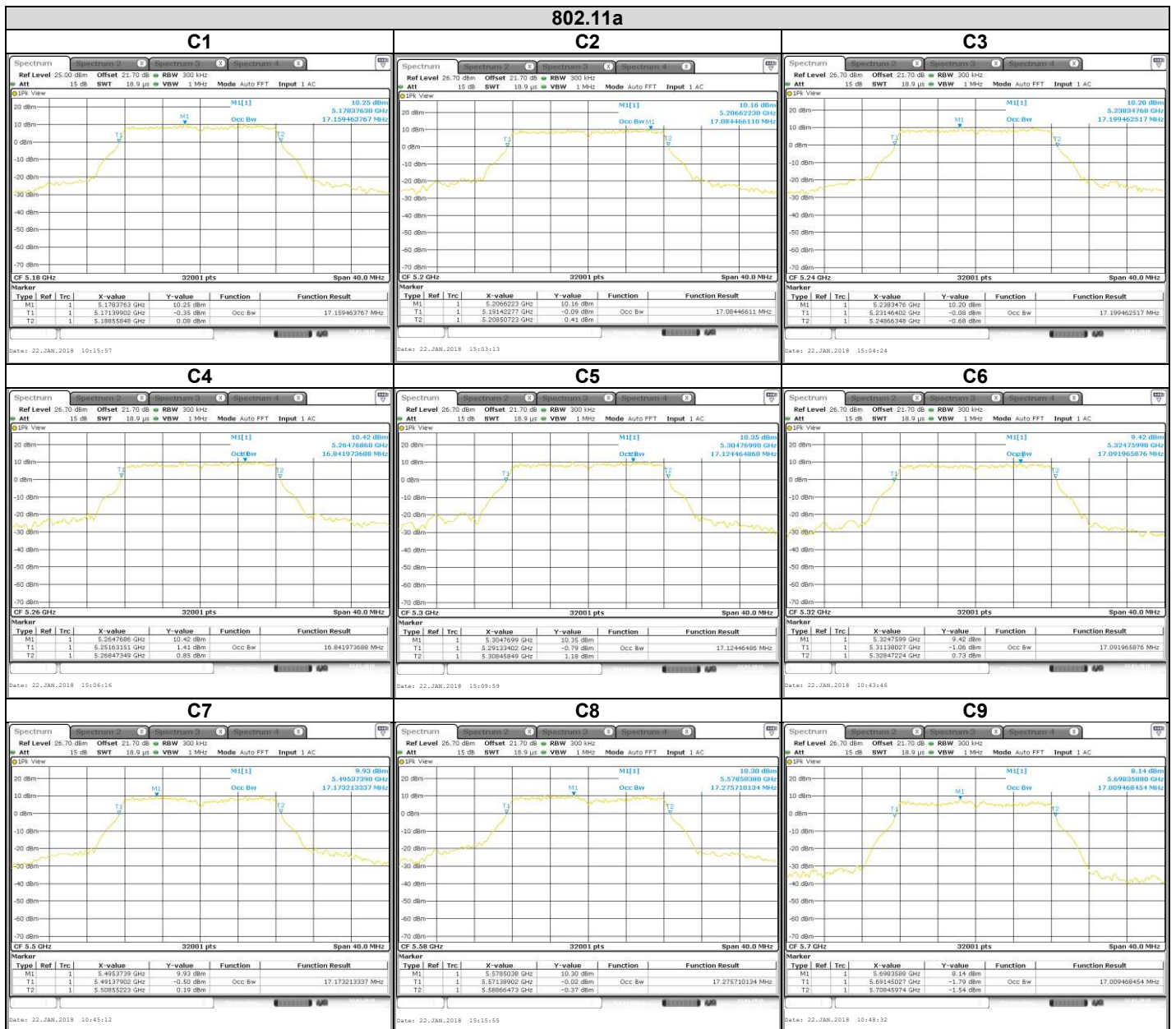
DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
EMI receiver	ROHDE & SCHWARZ	ESR 7	A2642023	2017/09	2018/09
Multi-meter	KEITHLEY	2000	A1242090	2016/06	2018/06
Programmable AC/DC power supply	KIKUSUI	PCR500M	A7040079	2016/06	2018/06
RF cable & 20 dB attenuator	Télédyne	920-0202-048	A5329661	2017/09	2018/09

Note: In our quality system, the test equipment calibration due is more & less 2 months



L C I E

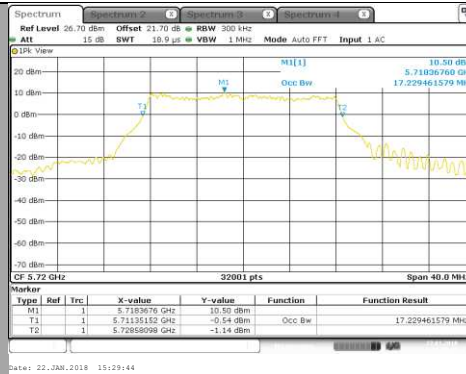
3.3. RESULTS



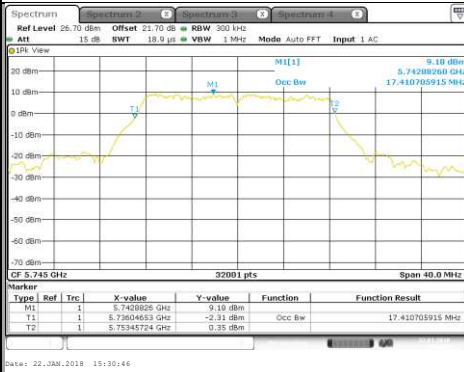


L C I E

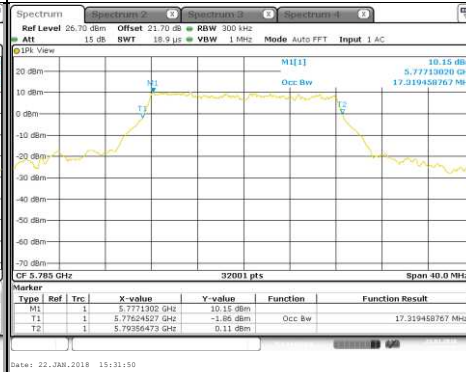
802.11a
C10



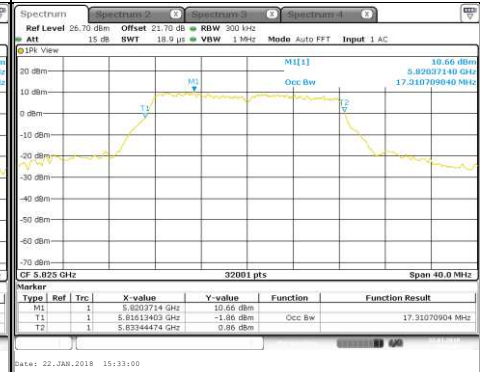
C11



C12



C13



Channel

Occupied Channel Bandwidth (MHz)

C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13

17,16
17,08
17,20
16,84
17,12
17,09
17,17
17,27
17,01
17,23
17,41
17,32
17,31



L C I E

802.11n HT20/ac VHT20





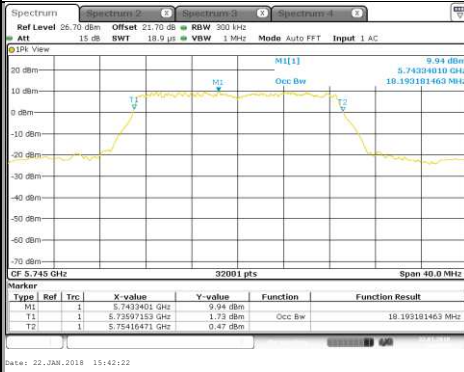
L C I E

802.11n HT20/ac VHT20

C10



C11



C12



C13



Channel

Occupied Channel Bandwidth (MHz)

C1
C2
C3
C4
C5
C6
C7
C8
C9
C10
C11
C12
C13

18,01
18,23
18,35
18,03
18,11
18,17
18,03
18,26
18,15
18,07
18,19
18,09
18,28



L C I E

802.11n HT40/ac VHT40

C14



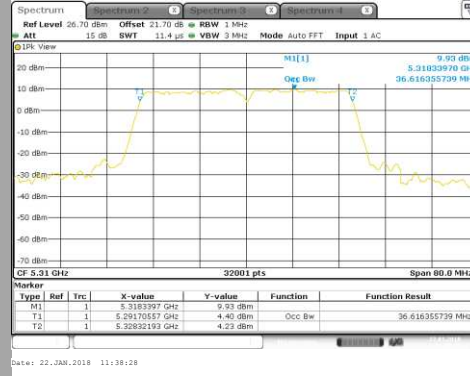
C15



C16



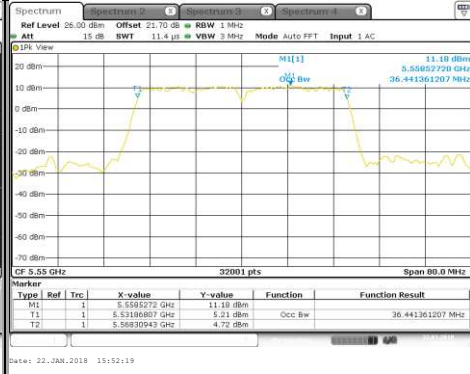
C17



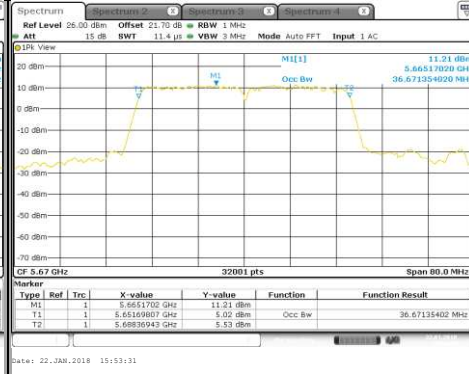
C18



C19



C20





L C I E

802.11n HT40/ac VHT40

C21



C22



C23



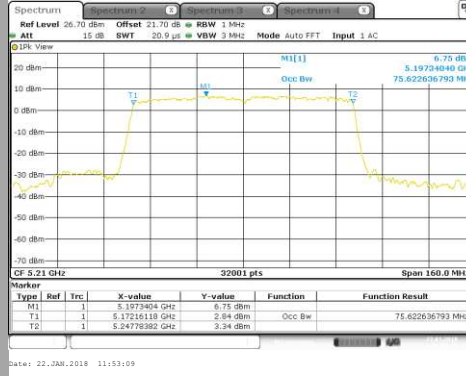
Channel	Occupied Channel Bandwidth (MHz)
C14	36,92
C15	36,91
C16	36,94
C17	36,62
C18	36,77
C19	36,44
C20	36,67
C21	36,71
C22	36,87
C23	36,77



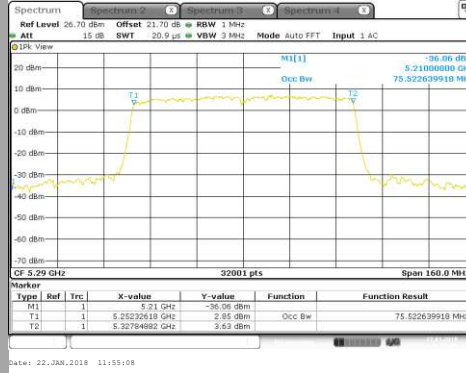
L C I E

802.11ac VHT80

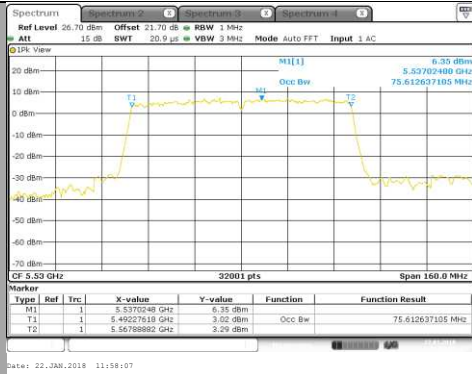
C24



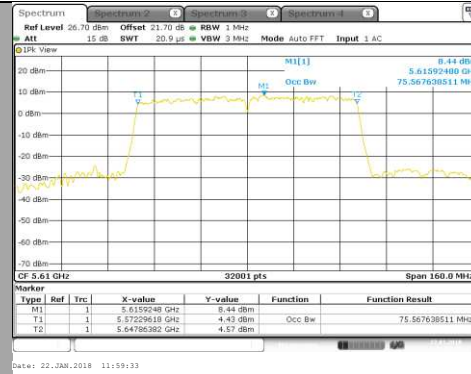
C25



C26



C27

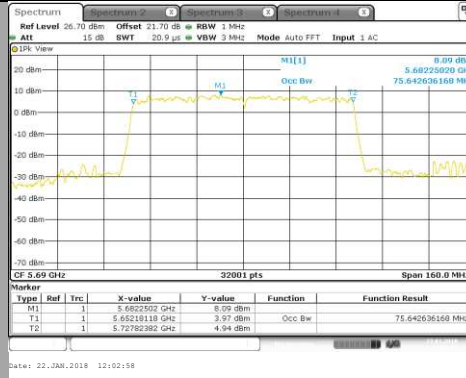




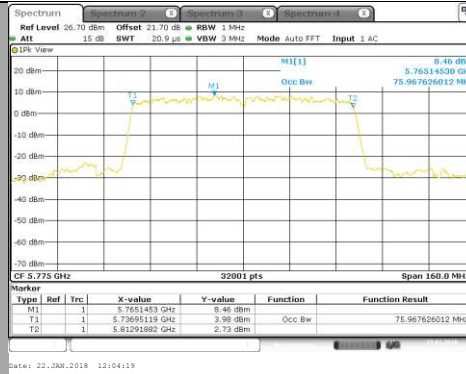
L C I E

802.11ac VHT80

C28



C29



Channel	Occupied Channel Bandwidth (MHz)
C24	75,62
C25	75,52
C26	75,61
C27	75,57
C28	75,64
C29	75,97

3.1. CONCLUSION

Occupied Channel Bandwidth measurement performed on the sample of the product **SAGEMCOM DCIW387 ATN**, SN: **617510000063**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.407** limits.

4. CARRIER FREQUENCIES

4.1. TEST CONDITIONS

Test performed by : Armand MAHOUNGOU
Date of test : January 25, 2018
Ambient temperature : 27 °C
Relative humidity : 42 %

4.2. TEST SETUP

- The Equipment under Test is installed:

- In the climatic chamber
- On a table
- In an anechoic chamber

-Measurement is performed with a spectrum analyzer

- On the EUT conducted access
- With a test fixture

-Method of measurement

- Unmodulated (Spectrum Analyzer Counter Function)
- Modulated (Spectrum Analyzer NdB down Function)

In case of smart antenna systems operating in a multiple transmit chains active simultaneously, the measurement is only performed on one of the active transmit chains.



Photograph for Carrier Frequencies



Photograph for Carrier Frequencies in normal test condition



Photograph for Carrier Frequencies in extreme test condition



4.3. LIMIT

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

4.4. TEST EQUIPMENT LIST

DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
Climatic chamber	SECASI Technologies	SLT-34	D1024029	Calibrated with Thermometer	
EMI receiver	ROHDE & SCHWARZ	ESR 7	A2642023	2017/09	2018/09
Thermometer	AOIP	TM 6630	B4041042	2016/09	2018/03
Multi-meter	KEITHLEY	2000	A1242090	2016/06	2018/06
Programmable AC/DC power supply	KIKUSUI	PCR500M	A7040079	2016/06	2018/06
RF cable & 20 dB attenuator	Télédyne	920-0202-048	A5329661	2017/09	2018/09

Note: In our quality system, the test equipment calibration due is more & less 2 months

4.5. DIVERGENCE, ADDITION OR SUPPRESSION ON THE TEST SPECIFICATION

None Divergence:



L C I E

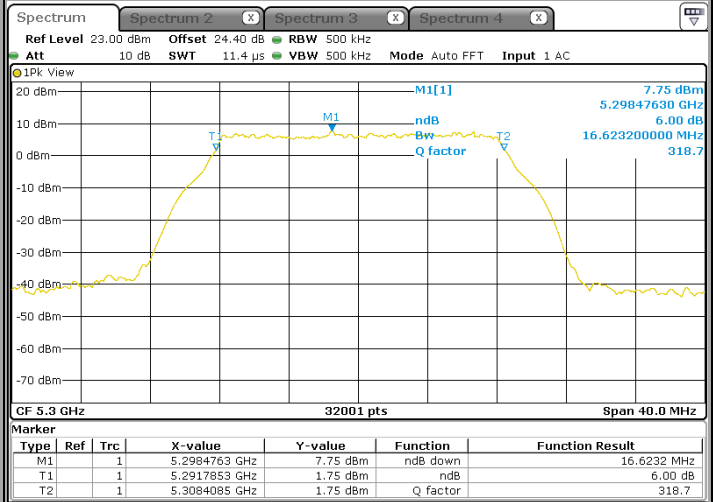
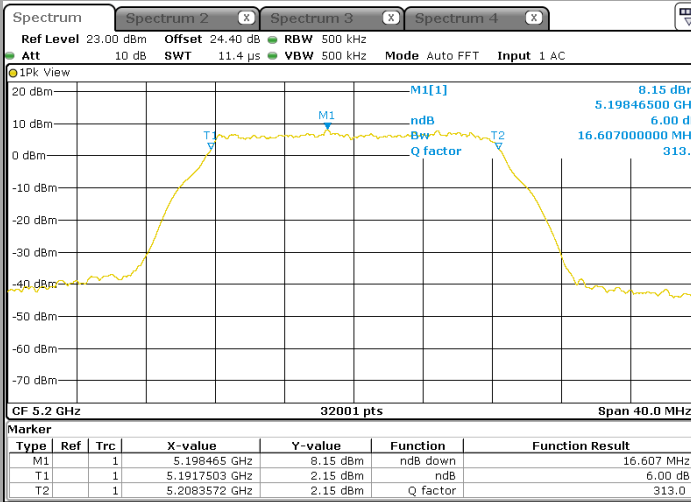
4.6. RESULTS

802.11a/802.11nHT20/ac VHT20

Tmin
Vmin

C2

C5

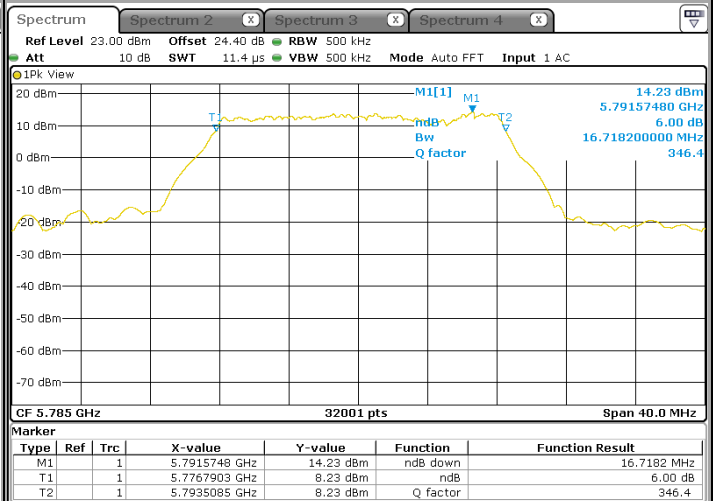
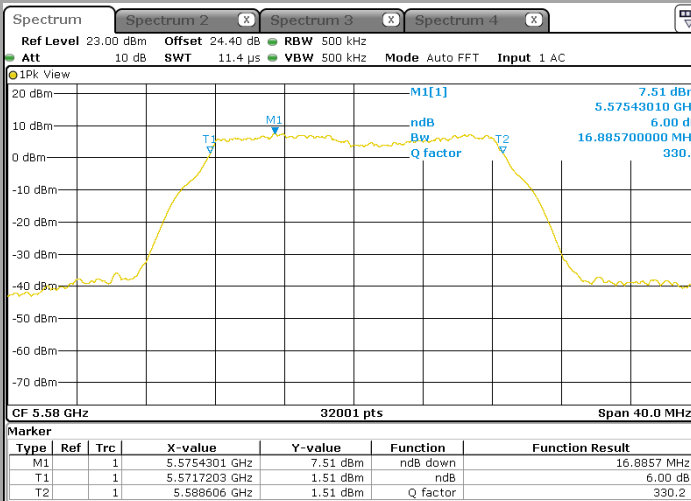


Date: 25.JAN.2018 15:47:44

Date: 25.JAN.2018 15:51:36

C8

C12



Date: 25.JAN.2018 15:53:45

Date: 25.JAN.2018 16:00:03



L C I E

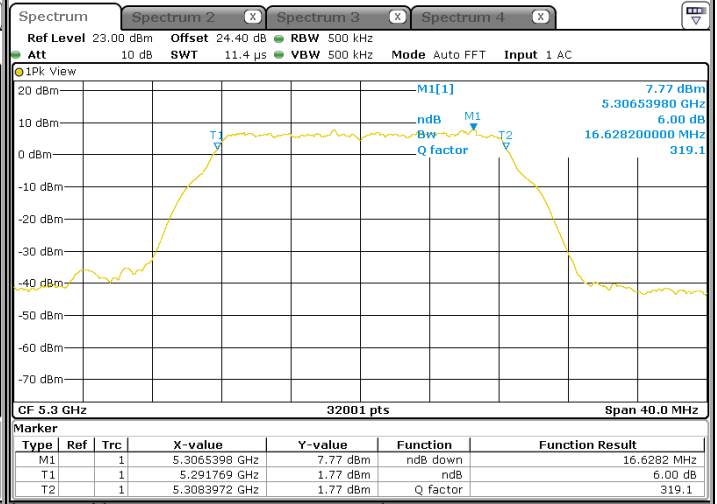
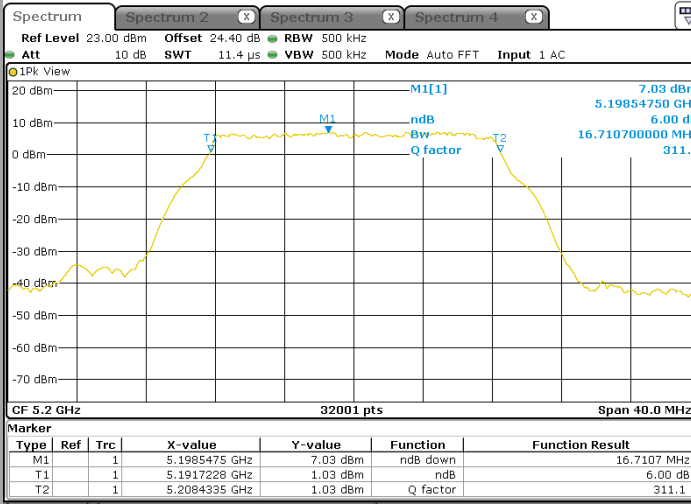
802.11a/802.11nHT20/ac VHT20

Tmin

Vnom

C2

C5

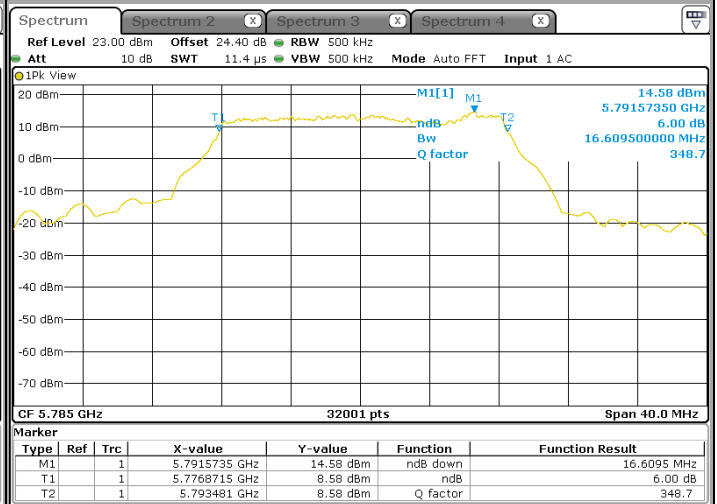
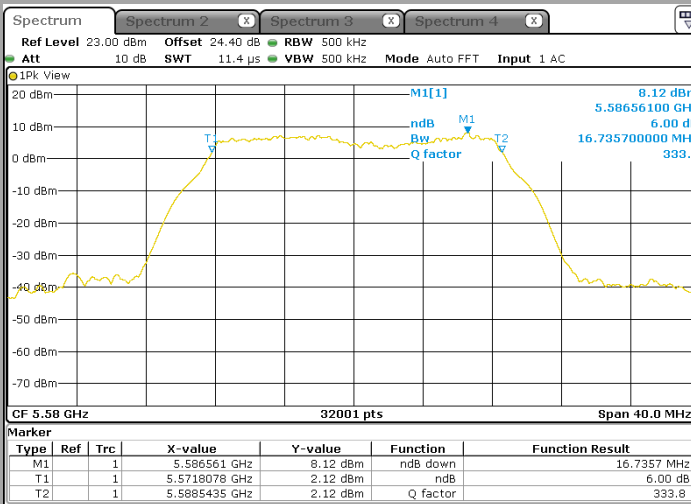


Date: 25.JAN.2018 15:48:21

Date: 25.JAN.2018 15:50:58

C8

C12



Date: 25.JAN.2018 15:54:36

Date: 25.JAN.2018 15:59:38



L C I E

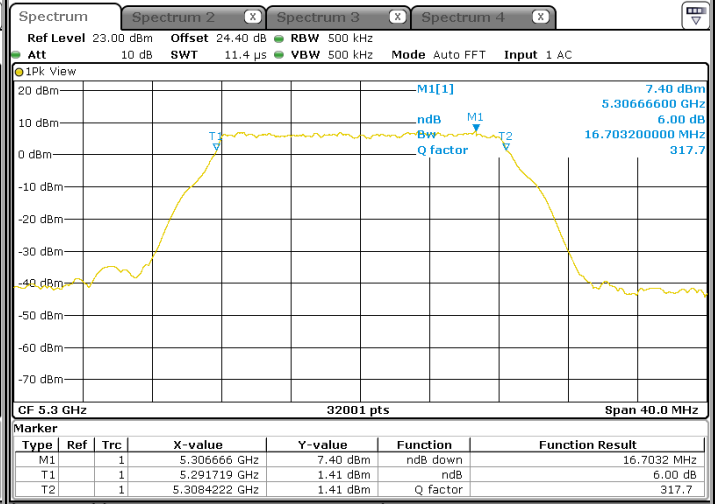
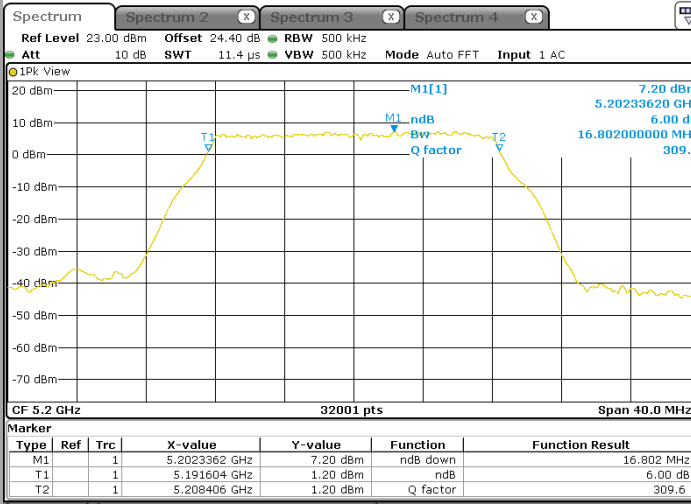
802.11a/802.11nHT20/ac VHT20

Tmin

Vmax

C2

C5

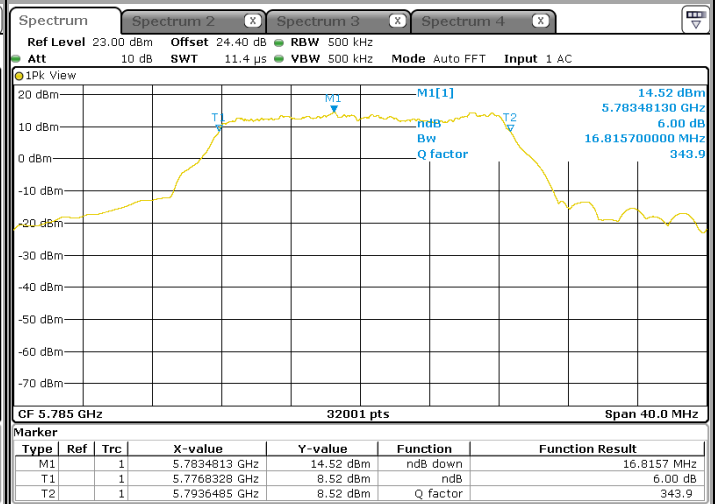
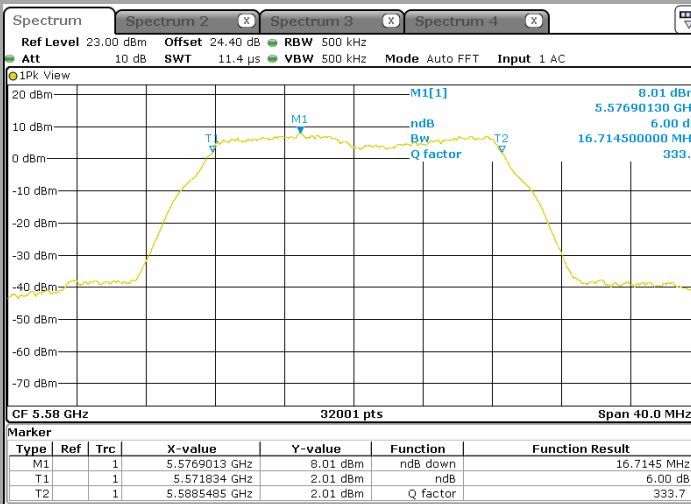


Date: 25.JAN.2018 15:49:01

Date: 25.JAN.2018 15:50:14

C8

C12



Date: 25.JAN.2018 15:55:14

Date: 25.JAN.2018 15:57:04



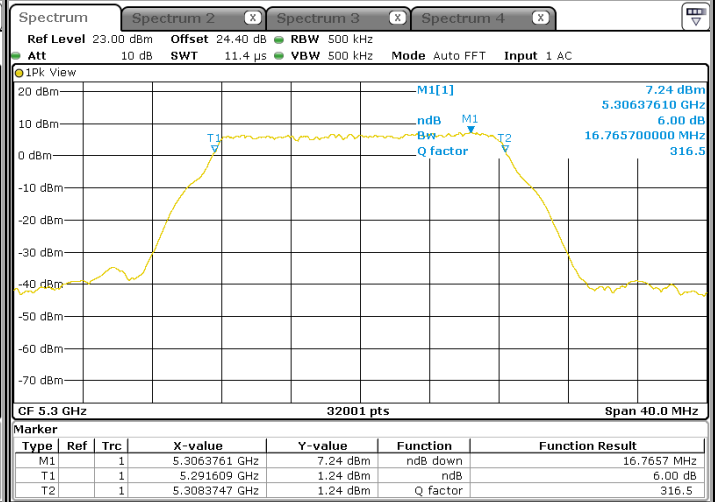
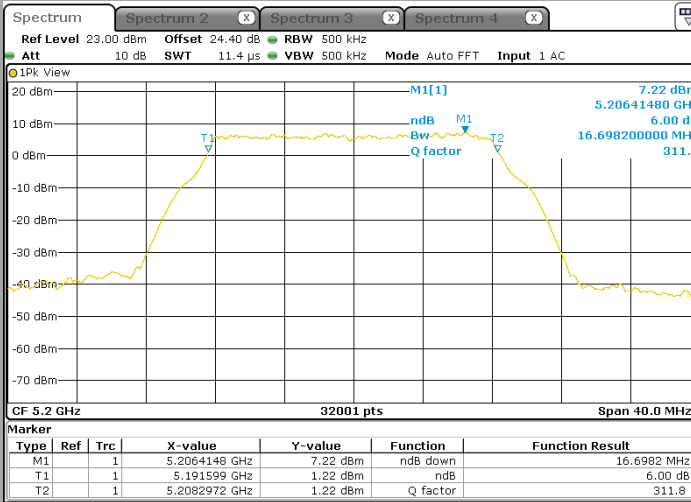
L C I E

802.11a/802.11nHT20/ac VHT20

Tnom
Vmin

C2

C5

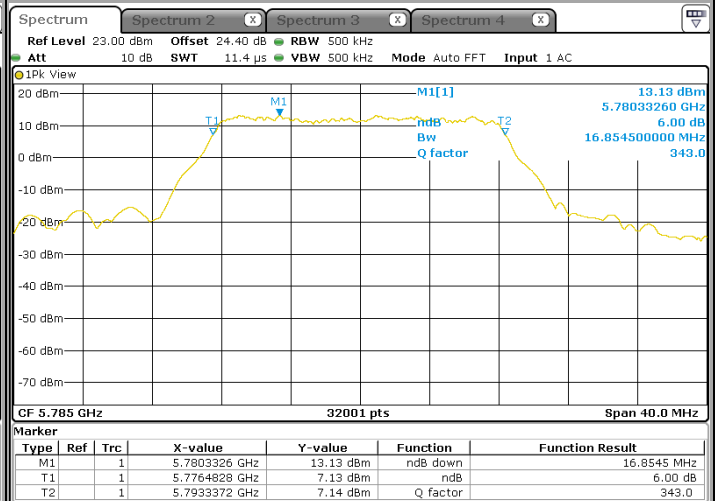
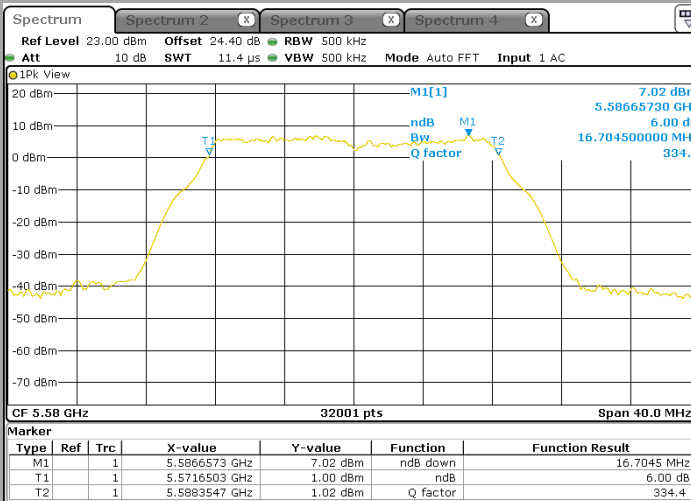


Date: 25.JAN.2018 15:24:37

Date: 25.JAN.2018 15:19:33

C8

C12



Date: 25.JAN.2018 15:17:56

Date: 25.JAN.2018 15:11:39



L C I E

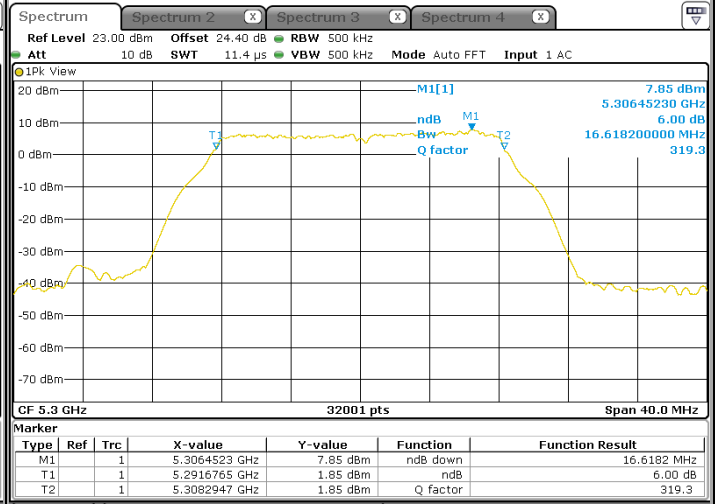
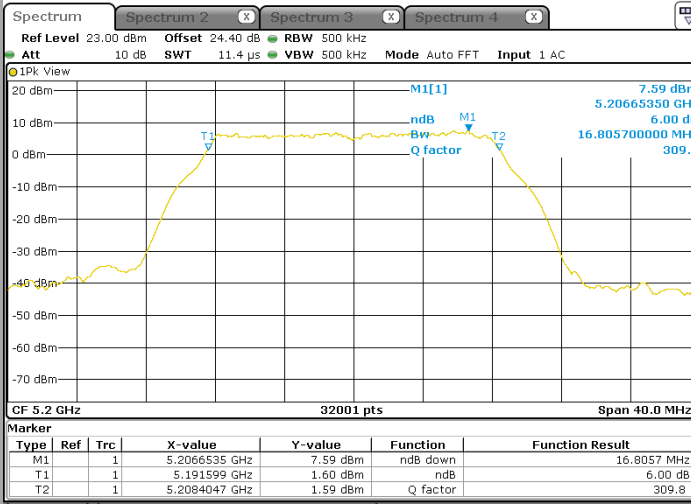
802.11a/802.11nHT20/ac VHT20

Tnom

Vnom

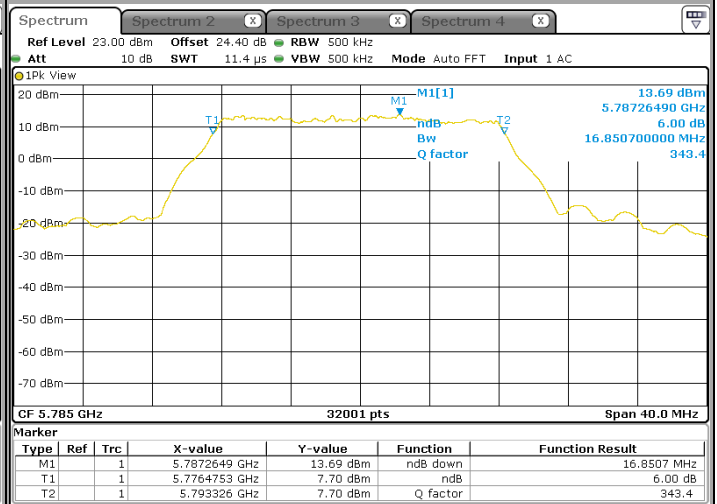
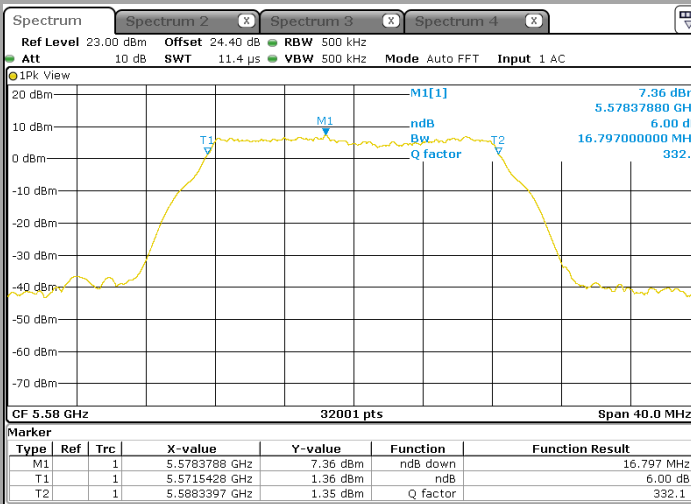
C2

C5



C8

C12





L C I E

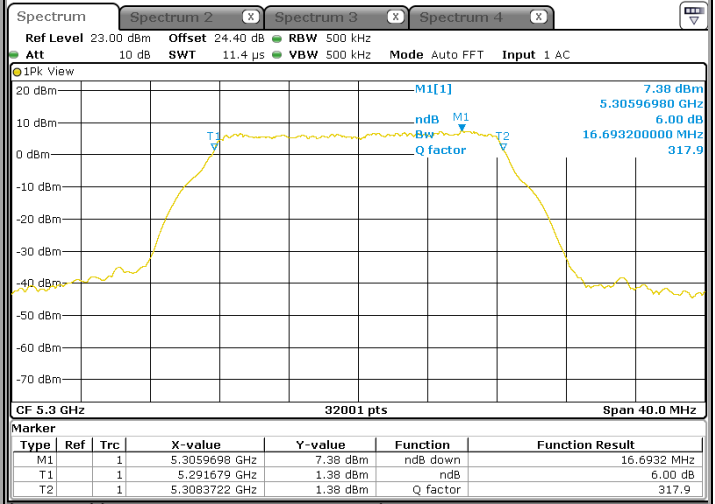
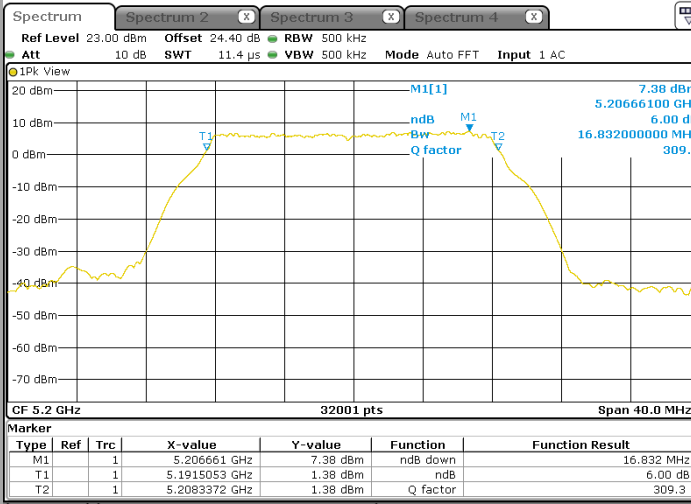
802.11a/802.11nHT20/ac VHT20

Tnom

Vmax

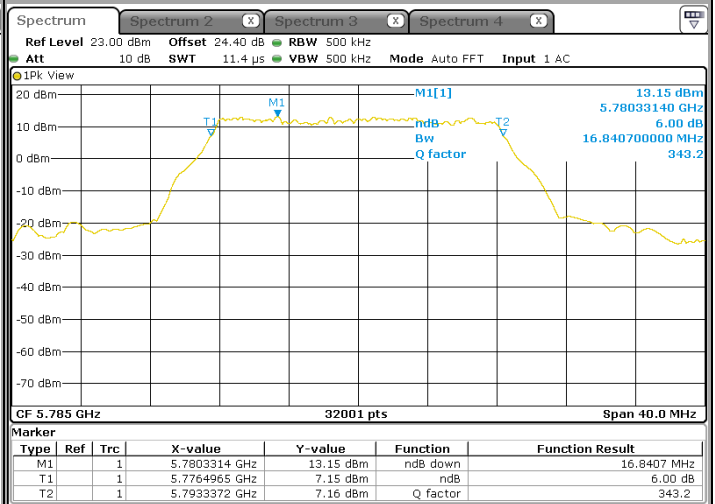
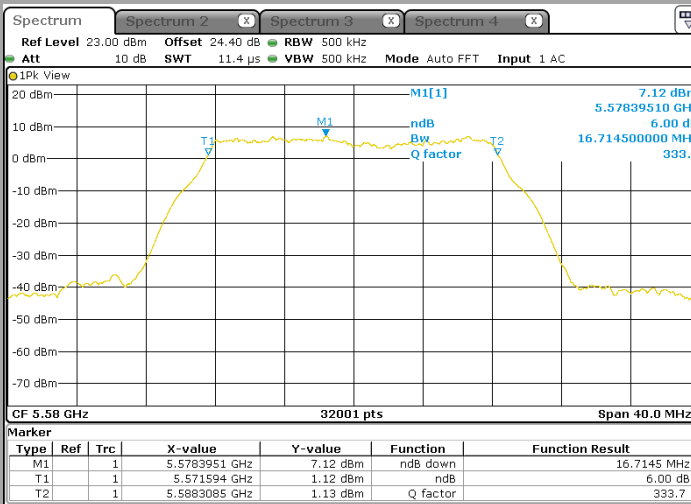
C2

C5



C8

C12





L C I E

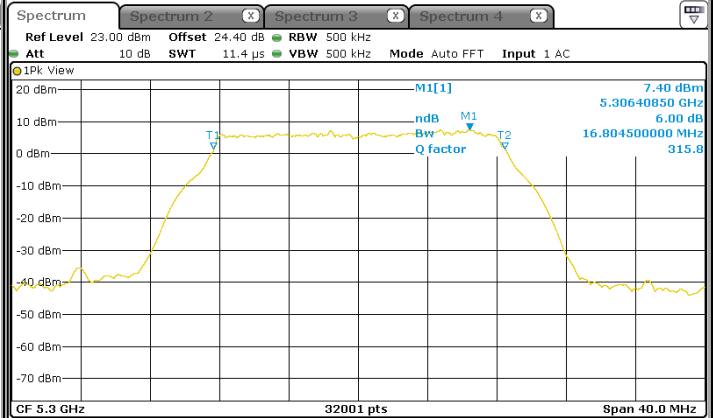
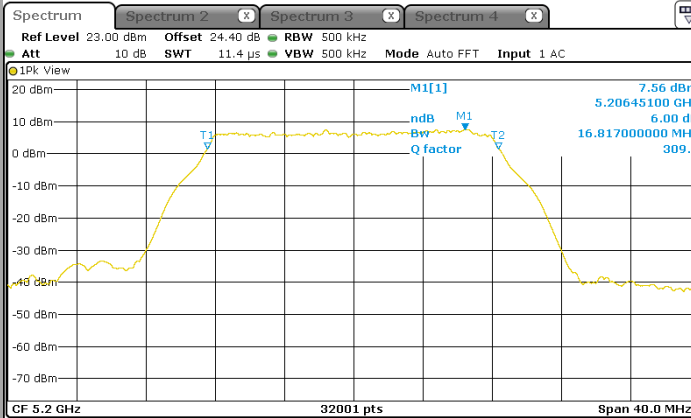
802.11a/802.11nHT20/ac VHT20

Tmax

Vmin

C2

C5

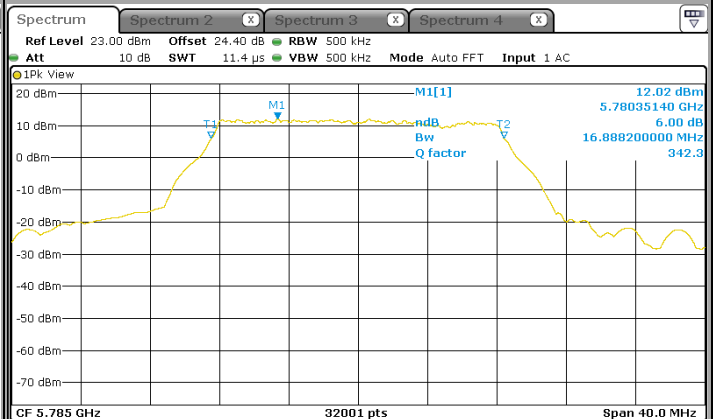
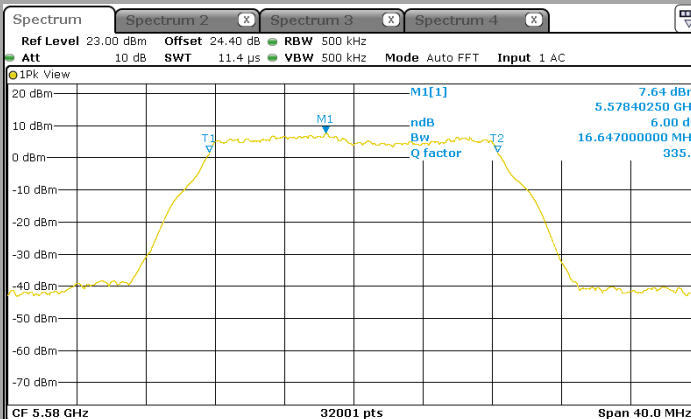


Date: 25.JAN.2018 16:22:35

Date: 25.JAN.2018 16:28:27

C8

C12



Date: 25.JAN.2018 16:29:46

Date: 25.JAN.2018 16:38:25



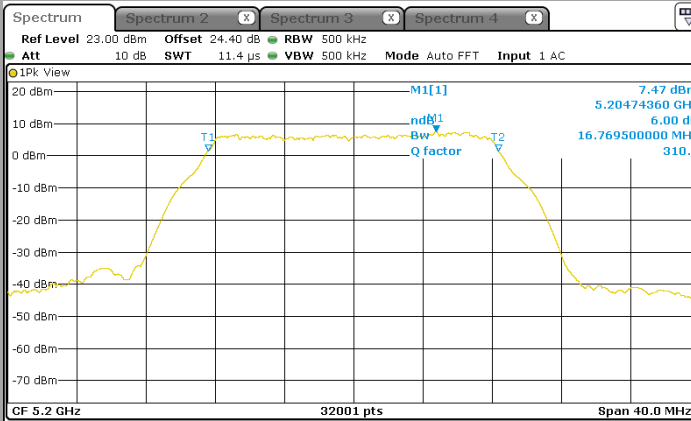
L C I E

802.11a/802.11nHT20/ac VHT20

Tmax
Vnom

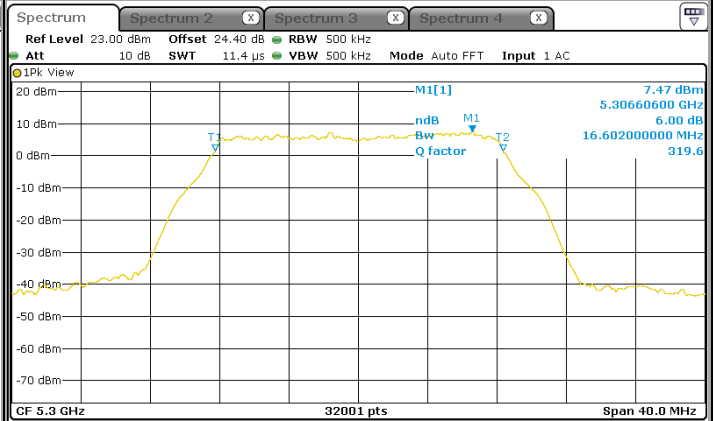
C2

C5



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.2047436 GHz	7.47 dBm	ndB down	16.7695 MHz
T1	1		5.1915853 GHz	1.46 dBm	ndB	6.00 dB
T2	1		5.2083547 GHz	1.47 dBm	Q factor	310.4

Date: 25.JAN.2018 16:23:27

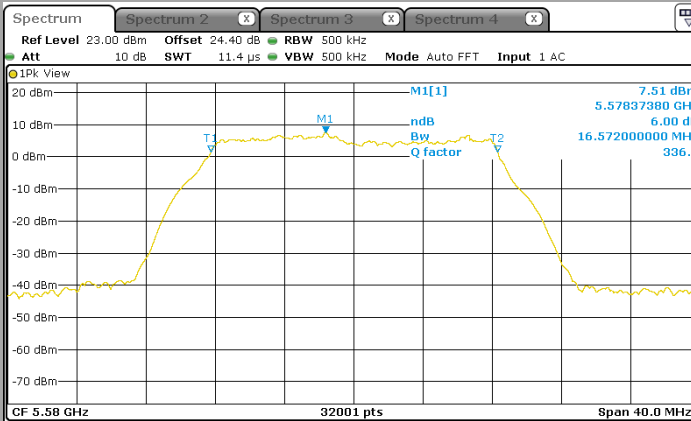


Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.3066060 GHz	7.47 dBm	ndB down	16.602 MHz
T1	1		5.2917378 GHz	1.46 dBm	ndB	6.00 dB
T2	1		5.3083397 GHz	1.48 dBm	Q factor	319.6

Date: 25.JAN.2018 16:27:41

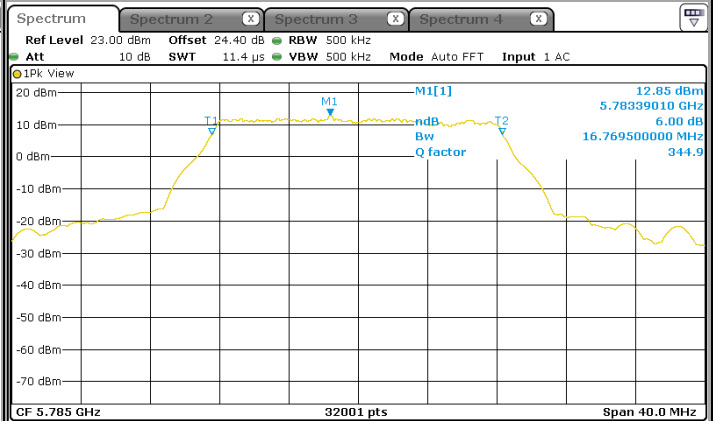
C8

C12



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.5783738 GHz	7.51 dBm	ndB down	16.572 MHz
T1	1		5.5717403 GHz	1.51 dBm	ndB	6.00 dB
T2	1		5.5883122 GHz	1.51 dBm	Q factor	336.6

Date: 25.JAN.2018 16:30:23



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		5.7833901 GHz	12.85 dBm	ndB down	16.7695 MHz
T1	1		5.776554 GHz	6.85 dBm	ndB	6.00 dB
T2	1		5.7933235 GHz	6.85 dBm	Q factor	344.9

Date: 25.JAN.2018 16:37:19



L C I E

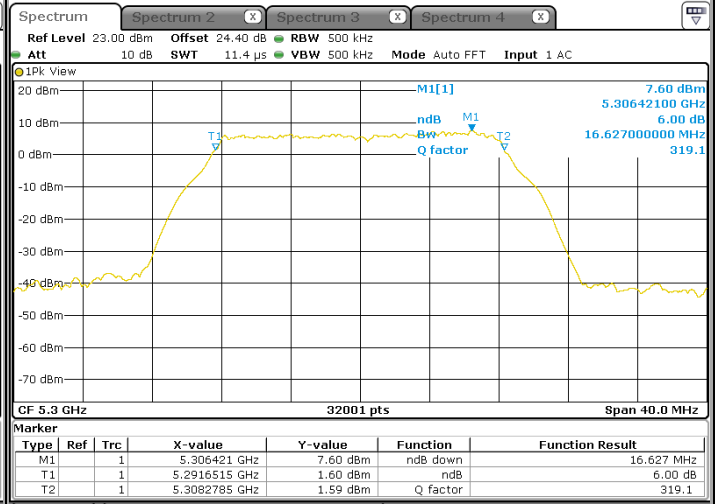
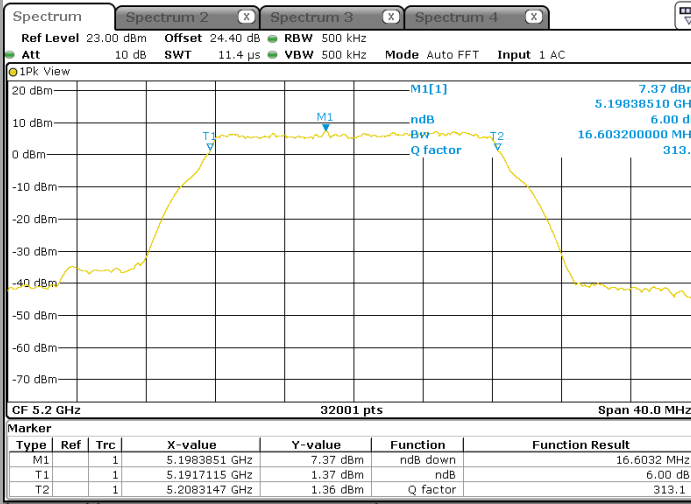
802.11a/802.11nHT20/ac VHT20

Tmax

Vmax

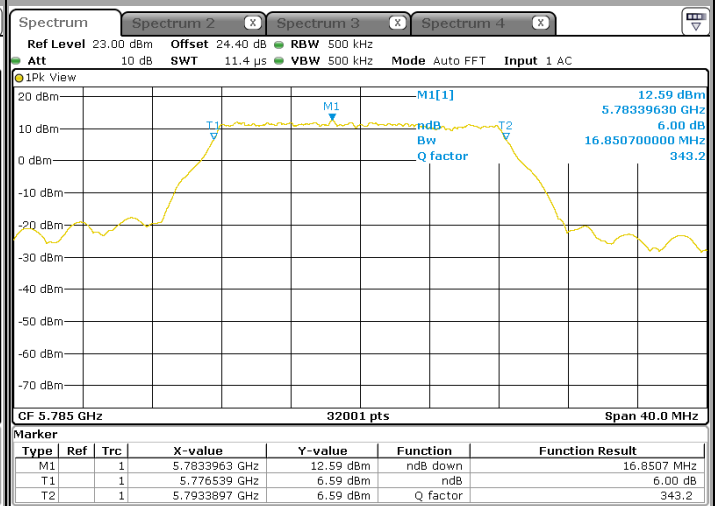
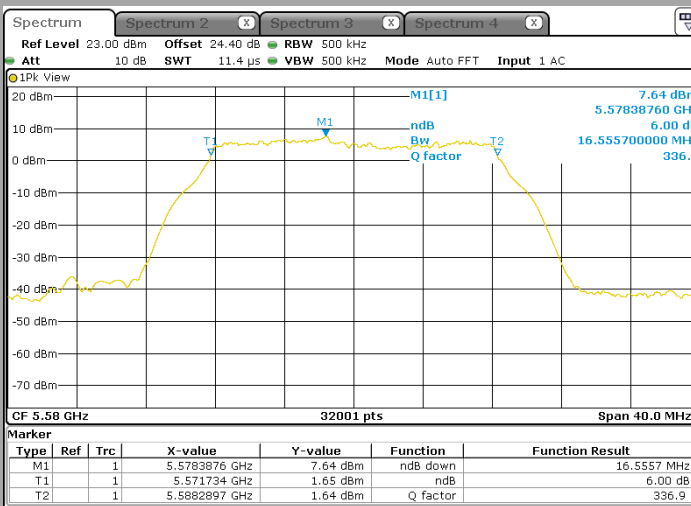
C2

C5



C8

C12





802.11a/802.11nHT20/ac VHT20

Temperature	Tmin				Tnom				Tmax			
Voltage	Vmin											
Channel	C2	C5	C8	C12	C2	C5	C8	C12	C2	C5	C8	C12
Fmin (MHz)	5191,750	5291,785	5571,720	5776,790	5191,599	5291,609	5571,650	5776,483	5191,555	5291,663	5571,659	5776,518
Fmax (MHz)	5208,357	5308,408	5588,606	5793,508	5208,297	5308,375	5588,355	5793,372	5208,372	5308,467	5588,306	5793,406
Fcent (MHz)	5200,054	5300,097	5580,163	5785,149	5199,948	5299,992	5580,003	5784,928	5199,964	5300,065	5579,983	5784,962
Voltage	Vnom											
Channel	C2	C5	C8	C12	C2	C5	C8	C12	C2	C5	C8	C12
Fmin (MHz)	5191,723	5291,769	5571,808	5776,871	5191,599	5291,676	5571,543	5776,475	5191,585	5291,738	5571,740	5776,554
Fmax (MHz)	5208,433	5308,397	5588,543	5793,481	5208,405	5308,295	5588,340	5793,326	5208,355	5308,340	5588,312	5793,323
Fcent (MHz)	5200,078	5300,083	5580,176	5785,176	5200,002	5299,986	5579,942	5784,901	5199,970	5300,039	5580,026	5784,939
Voltage	Vmax											
Channel	C2	C5	C8	C12	C2	C5	C8	C12	C2	C5	C8	C12
Fmin (MHz)	5191,604	5291,719	5571,834	5776,833	5191,505	5291,679	5571,594	5776,496	5191,711	5291,651	5571,734	5776,539
Fmax (MHz)	5208,406	5308,422	5588,548	5793,648	5208,337	5308,372	5588,308	5793,372	5208,315	5308,278	5588,290	5793,390
Fcent (MHz)	5200,005	5300,071	5580,191	5785,241	5199,921	5300,026	5579,951	5784,934	5200,013	5299,965	5580,012	5784,965

4.7. CONCLUSION

Carrier frequencies measurement performed on the sample of the product **SAGEMCOM DCIW387 ATN**, SN: **617510000063**, in configuration and description presented in this test report, show levels **compliant** to the 47 CFR PART 15.407 limits.

5. 26dB EMISSION BANDWIDTH

5.1. TEST CONDITIONS

Test performed by : Armand MAHOUNGOU
Date of test : January 22, 2018
Ambient temperature : 26 °C
Relative humidity : 44 %

5.2. TEST SETUP

- The Equipment Under Test is installed:

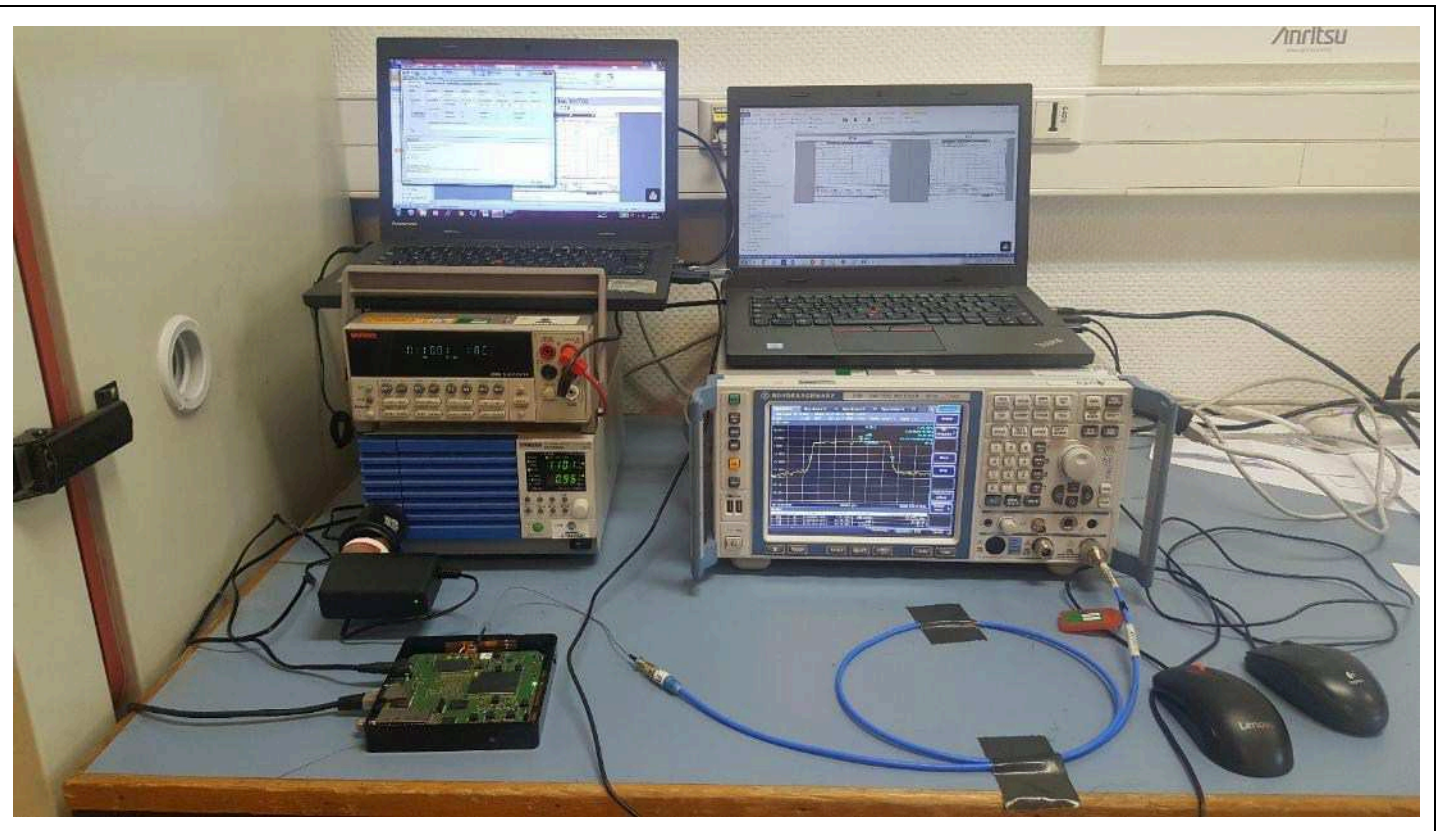
- On a table
- In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:

- Conducted Method
- Radiated Method

- Test Procedure:

- KDB 789033 D02 General UNII Test Procedures New Rules v01r02 § C1



Photograph for 26dB emission bandwidth



L C I E

5.3. LIMIT

None

5.4. TEST EQUIPMENT LIST

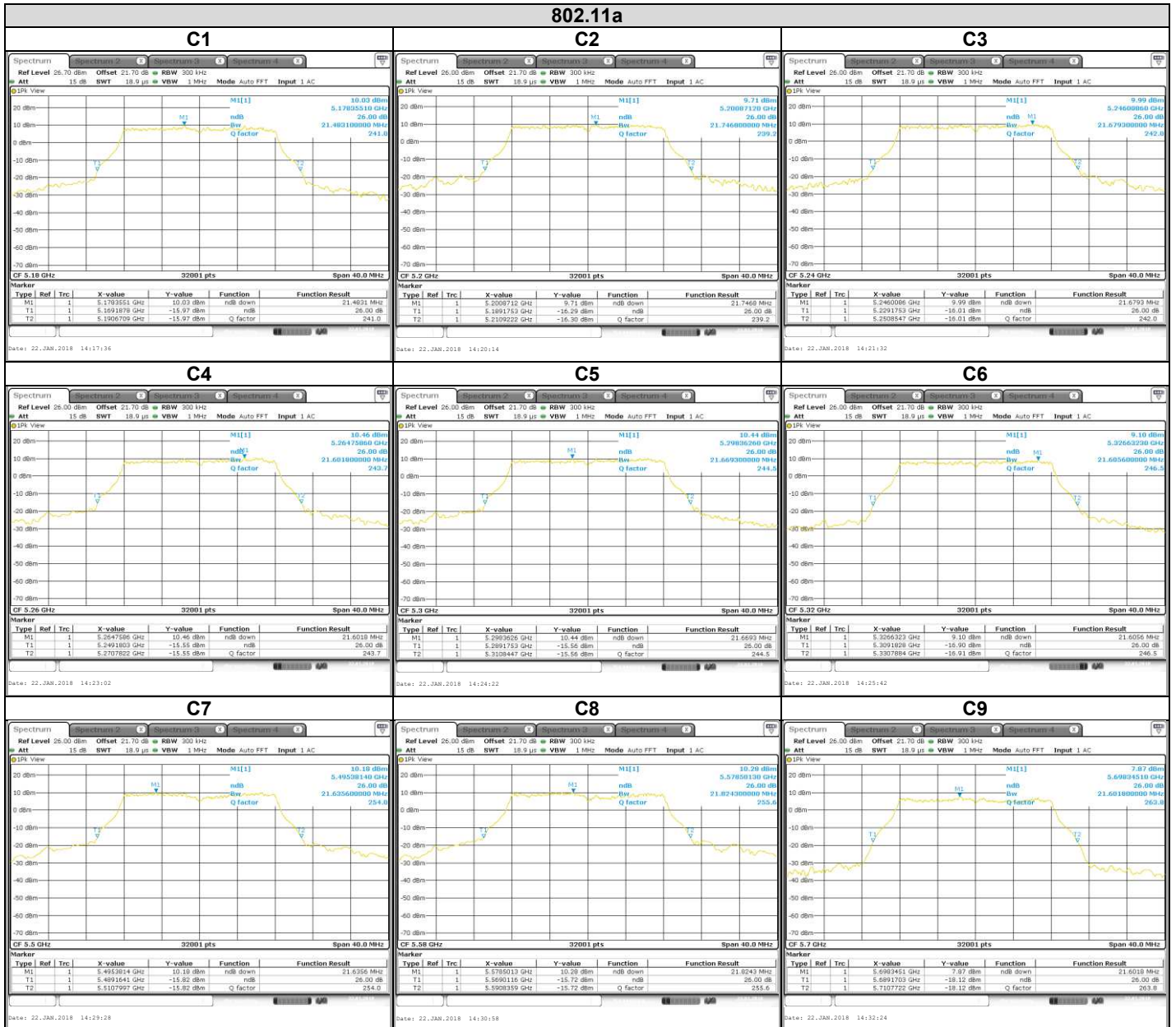
DESCRIPTION	MANUFACTURER	MODEL	N° LCIE	Cal_Date	Cal_Due
EMI receiver	ROHDE & SCHWARZ	ESR 7	A2642023	2017/09	2018/09
Multi-meter	KEITHLEY	2000	A1242090	2016/06	2018/06
Programmable AC/DC power supply	KIKUSUI	PCR500M	A7040079	2016/06	2018/06
RF cable & 20 dB attenuator	Télédyne	920-0202-048	A5329661	2017/09	2018/09

Note: In our quality system, the test equipment calibration due is more & less 2 months



L C I E

5.5. RESULTS





L C I E

802.11a

C10

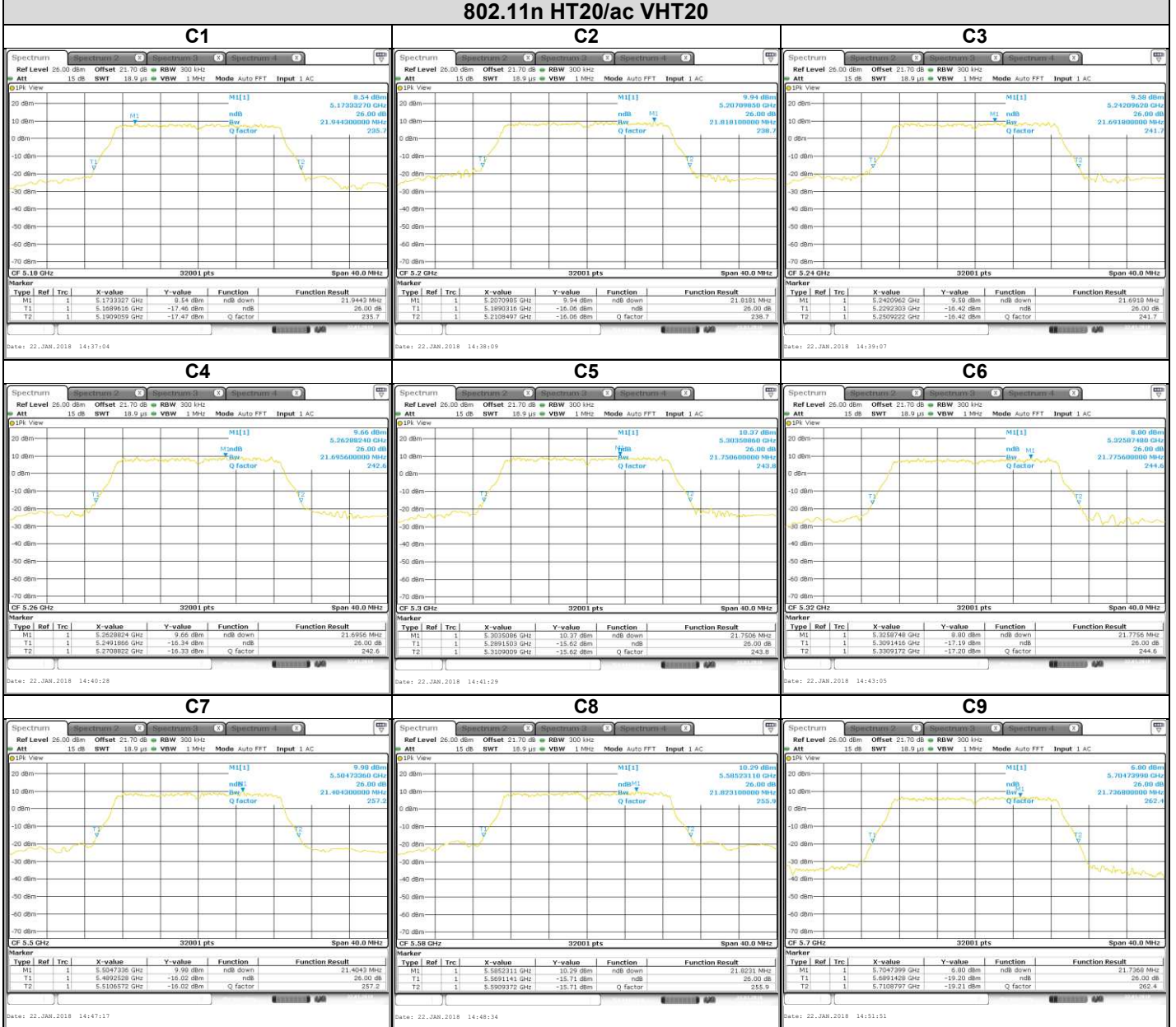


Channel	26dB Emission Bandwidth (MHz)
C1	21,48
C2	21,74
C3	21,68
C4	21,60
C5	21,66
C6	21,60
C7	21,63
C8	21,82
C9	21,60
C10	21,70



L C I E

802.11n HT20/ac VHT20





L C I E

802.11n HT20/ac VHT20

C10



Channel	26dB Emission Bandwidth (MHz)
C1	21,94
C2	21,82
C3	21,69
C4	21,69
C5	21,75
C6	21,77
C7	21,40
C8	21,82
C9	21,74
C10	21,84



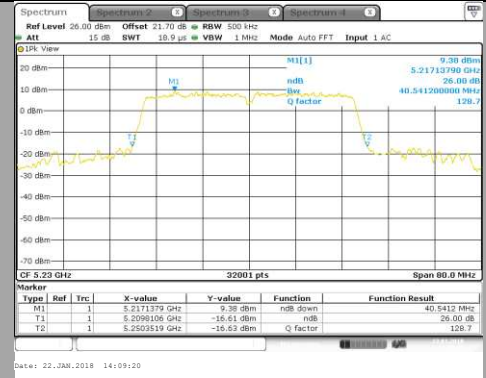
L C I E

802.11n HT40/ac VHT40

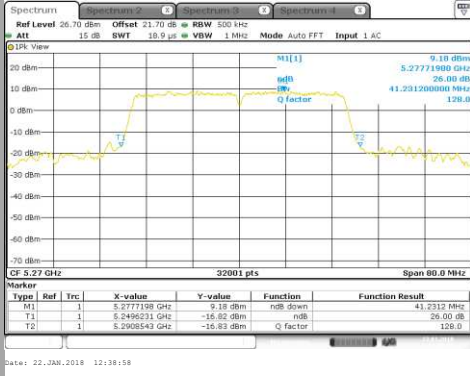
C14



C15



C16



C17



C18



C19



C20





L C I E

802.11n HT40/ac VHT40

C21



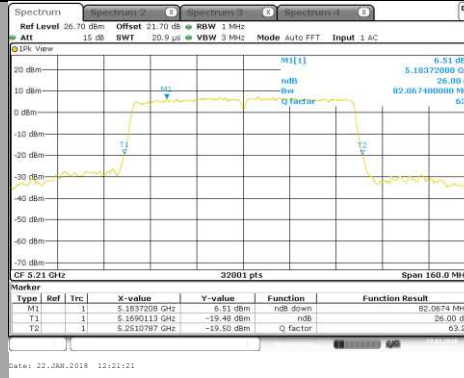
Channel	26dB Emission Bandwidth (MHz)
C14	40,31
C15	40,54
C16	40,23
C17	40,39
C18	40,30
C19	40,87
C20	40,64
C21	40,64



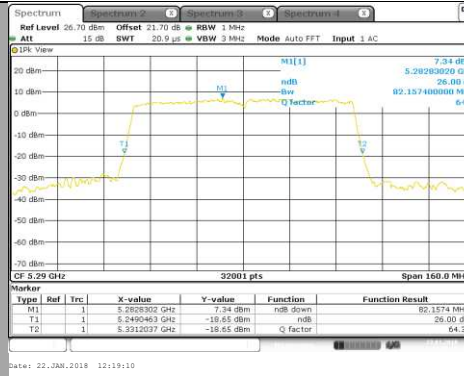
L C I E

802.11ac VHT80

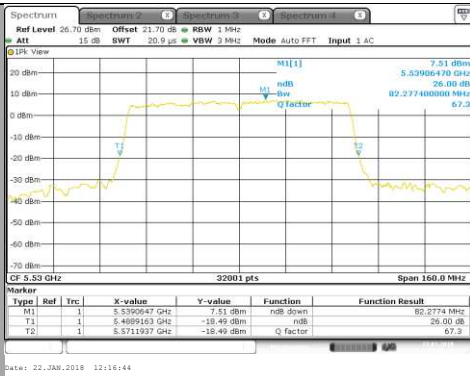
C24



C25



C26

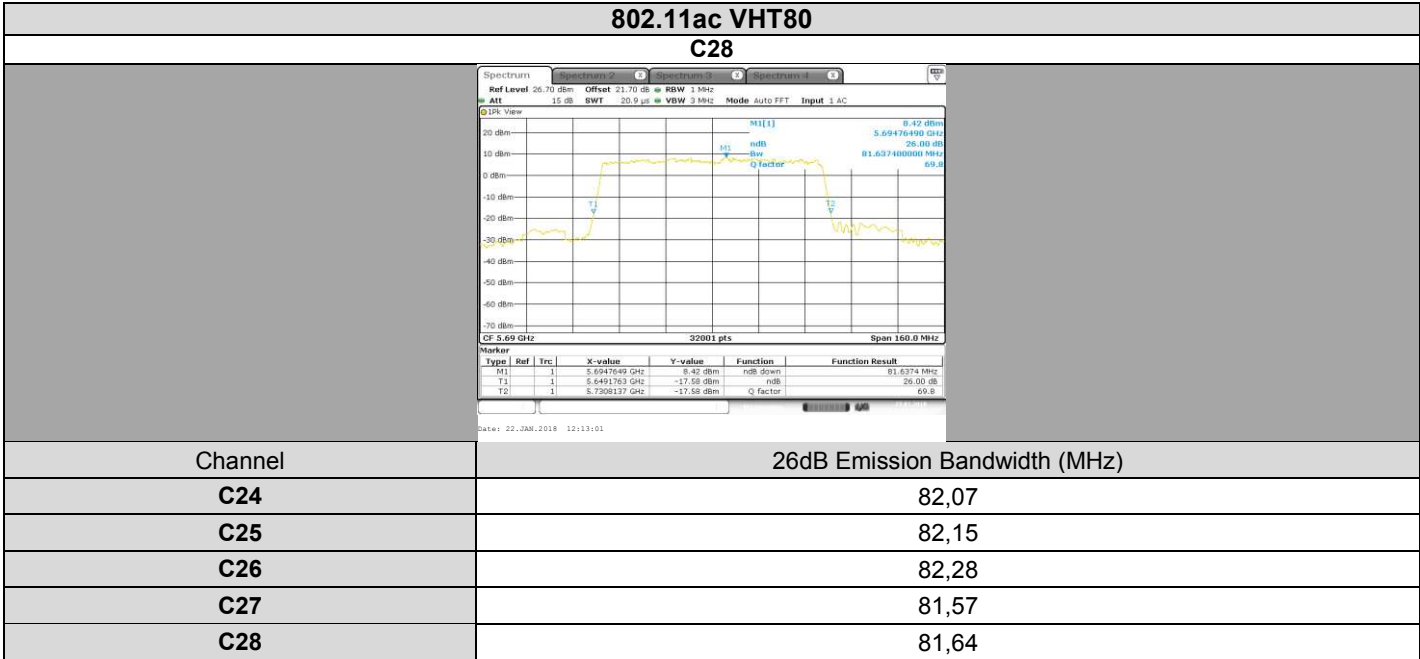


C27





L C I E



5.6. CONCLUSION

26dB Emission Bandwidth measurement performed on the sample of the product **SAGEMCOM DCIW387 ATN**, SN: **617510000063**, in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.407** limits.