WIFI 5GHz Template: Release October 22nd, 2022

TEST REPORT

N°: 18348762-787335-D (FILE#4712035) **Version : 01**

Subject	**Radio spectrum matters tests according to standards: 47 CFR Part 15.407 & RSS-247 issue 2 & RSS-Gen Issue 5 (RF Test Only)**
Issued to	**INGENICO** 9 avenue de la gare – Rovaltain TGV BP25156 26958 - VALENCE Cedex 9 France
Apparatus under test	
Product	**Payment terminal**
Trade mark	**INGENICO**
Manufacturer	**INGENICO**
Model under test	**Desk/2600**
Serial number	**23058731708132772981689 8** **23058731708132772981691 8**
FCC ID	**XKB-D2600CLW**
IC	**2586D-D2600CLW**
Conclusion	See Test Program chapter
Test date	March 30, 2023 to April 18, 2023
Test location	Moirans
FCC Test site	FR0008 - 197516
ISED Test site	FR0008 - 6500A
Sample receipt date	March 10, 2023
Composition of document	120 pages
Document issued on	April 27, 2023

Written by :
Akram HAKKARI
Tests operator

Approved by :
Majid MOURZAGH
Technical manager

LABORATOIRE CENTRAL DES INDUSTRIES ÉLECTRIQUES
LCIE SUD-EST
Tél. : 04 76 07 36 36
Fax : 04 76 55 90 88

PUBLICATION HISTORY

Version	Date	Author	Modification
01	April 27, 2023	Akram HAKKARI	Creation of the document

Each new edition of this test report replaces and cancels the previous edition. The control of the old editions of report is under responsibility of client.

SUMMARY

1. TEST PROGRAM

References

- **47 CFR Part 15.407**
- **RSS-247 issue 2**
- **RSS Gen Issue 5**
- **KDB 789033 D02 General U-NII Tests Procedures New Rules v02r01**
- **KDB 662911 D01 Multiple Transmitter Output v02r01**
- **ANSI C63.10-2013**

Radio requirement:

Clause (47CFR Part 15.407 & RSS-247 Issue 2 & RSS-Gen Issue 5) Test Description	Test result - Comments			
Occupied Bandwidth	☑ PASS	☐ FAIL	☐ NA	☐ NP(1)
26dB Bandwidth	☑ PASS	☐ FAIL	☐ NA(2)	☐ NP(1)
6dB Bandwidth	☑ PASS	☐ FAIL	☐ NA(3)	☐ NP(1)
Duty Cycle	☑ PASS	☐ FAIL	☐ NA	☐ NP(1)
EIRP	☑ PASS	☐ FAIL	☐ NA	☐ NP(1)
Maximum Conducted Output Power	☑ PASS	☐ FAIL	☐ NA	☐ NP(1)
Power Spectral Density	☑ PASS	☐ FAIL	☐ NA	☐ NP(1)
Transmit Power Control	☐ PASS	☐ FAIL	☑ NA(4)	☐ NP(1)
AC Power Line Conducted Emission	☑ PASS	☐ FAIL	☐ NA(5)	☐ NP(1)
Unwanted Emissions & Undesirable Emission	☑ PASS	☐ FAIL	☐ NA	☐ NP(1)
Frequency Stability	☐ PASS	☐ FAIL	☐ NA	☑ NP(6)
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
(6): The Manufacturer declares the EUT emission is maintained within the band of operation under all conditions of normal operation as specified in the user manual

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

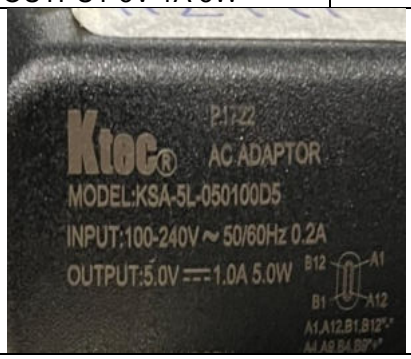
2.1. HARDWARE IDENTIFICATION (EUT AND AUXILIARIES):

Equipment under test (EUT):
INGENICO Desk/2600 **Serial Number: 23058731708132772981 6898**

Equipment Under Test

Power supply:

All test are performed with Supply 3 and battery worst case

Name	Type	Rating	Reference / Sn	Comments
Supply1	AC	100-240VAC 0.2A 50-60Hz OUTPUT 5V 1A 5W	PHIHONG AM05R-050CK	/
				
Supply2	AC	100-240VAC 0.2A 50-60Hz OUTPUT 5V 1A 5W	PHIHONG AM05x-050D	/
				
Supply3	AC	100-240VAC 50/60Hz 0.2A OUTPUT 5V 1A 5W	Ktec KSA-5L-050100D5	/
				
Supply4	Battery	3.7Vdc Li-Ion 500mAH /1.85Wh	Springower Technology Model 562542	/

Voltage table used (for Power Line Conducted Emissions):

Type	Measurement performed:	
☑ AC	☑ **120VAC/60Hz**	☑ **240VAC/50Hz**
☐ DC	☐ **+**12**VDC**	☐ **-**....**VDC**
☐ Battery	☐ **+**3.6**VDC**	☐ **-**....**VDC**
☐ USB (Laptop auxiliary)	☐ **120VAC/60Hz (Laptop auxiliary)**	☐ **240VAC/50Hz(Laptop auxiliary)**

Inputs/outputs - Cable:

Access	Type	Length used (m)	Declared <3m	Shielded	Comments
Supply1	AC	1.2	Yes	No	/
Supply2	AC	1.2	Yes	No	/
Supply3	AC	1.2	Yes	No	/
RJ 45	Ethernet	3	/	/	/
USB	USB C	0.5	/	/	/
USB	USB B	3	/	/	/
USB	USB A	3	/	/	/

Auxiliary equipment used during test:

Type	Reference	Sn	Comments
LAPTOP	DELL E4750	/	Use to set the EUT
ROUTER	ASUS RT-AC68U	/	
USB C Adaptor	MAGIC BOX Eth/USB	23057731757132482979791 5	

Equipment information:

Type:	WIFI			
Frequency band:	☑ 5150MHz-5250MHz	☑ 5250MHz-5350MHz	☑ 5470MHz-5725MHz	
	☑ 5725MHz-5850MHz			
Standard:	☑ 802.11a	☑ 802.11n HT20	☑ 802.11n HT40	
	☐ 802.11ac VHT20	☐ 802.11ac VHT40	☐ 802.11ac VHT80	
	☐ 802.11ac VHT160			
Spectrum Modulation:	☑ OFDM			
Channel bandwidth:	☑ 20MHz	☑ 40MHz	☐ 80MHz	☐ 160MHz
Antenna Type:	☑ Integral	☐ External	☐ Dedicated	
Antenna connector:	☐ Yes	☐ No	☑ Temporary for test	
Transmit chains:	☑ 1	☐ 2	☐ 3	☐ 4
	☐ 5	☐ 6	☐ 7	☐ 8
TPC:	☐ Yes	☑ No		
Antenna requirements §15.203	The transmitter uses an integral antenna and it permanently connected			
Receiver chains	☑ 1	☐ 2	☐ 3	☐ 4
	☐ 5	☐ 6	☐ 7	☐ 8
Type of equipment:	☑ Stand-alone	☐ Plug-in	☐ Combined	
Operating temperature range:	Tmin:	☐ -20°C	☑ 0°C	☐ X °C
	Tnom:	20°C		
	Tmax:	☐ 35°C	☐ 55°C	☑ 50 °C
Type of power source:	☑ AC power supply	☐ DC power supply	☑ Battery Battery Type	
Operating voltage range:	Vmin:	☑ 85 V/60Hz	☑ 3.5 Vdc	
	Vnom:	☑ 230/60Hz	☑ 3.7 Vdc	
	Vmax	☑ 276 V/60Hz	☑ 4.2 Vdc	
Mode:	☐ Master	☐ Slave with radar detection	☑ Slave without radar detection	
	☐ Bridge	☐ Mesh		
Fixed outdoor P to P/M application:	☐ Yes	☑ No		
System architectures:	☑ IP based	☐ Frame based		
User access restriction:	☑ Yes (The manufacturer declares that information regarding the parameters of the detected Radar Waveforms is not available to the end user)	☐ No		

Antenna Characteristic			
Antenna assembly	**Gain (dBi)**	**Frequency Band (MHz)**	**Impedance(Ω)**
1	0	5.15GHz – 5825GHz	50

Hardware information			
Highest internal frequency (PLL, Quartz, Clock, Microprocessor…):	**$F_{Highest}$:**	**6**000	**MHz**
Firmware (if applicable):	**V:**	150051	
Software (if applicable):	**V:**	031600	

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

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

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

CHANNEL PLAN		
802.11ac VHT160		
Channel	**Frequency (MHz)**	**Available Channel**
C30=36+40+44+48+52+56+60+64	5250	☐
C31=100+104+108+112+116+120+124+128	5570	☐

No DFS Channel
DFS Channel
Weather DFS Channel (Not Authorised for RSS-247)

DATA RATE		
802.11a		
Data Rate (Mbps)	**Modulation Type**	**Modulation Worst Case**
6	BPSK	☑
9	BPSK	☐
12	QPSK	☐
18	QPSK	☐
24	16-QAM	☐
36	16-QAM	☐
48	64-QAM	☐
54	64-QAM	☐

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

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

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
	0	1	BPSK	1/2	6,5	7,2	☐
	1	1	QPSK	1/2	13	14,4	☐
	2	1	QPSK	3/4	19,5	21,7	☐
	3	1	16-QAM	1/2	26	28,9	☐
☐	4	1	16-QAM	3/4	39	43,3	☐
	5	1	64-QAM	2/3	52	57,8	☐
	6	1	64-QAM	3/4	58,5	65	☐
	7	1	64-QAM	5/6	65	72,2	☐
	8	1	256-QAM	3/4	78	86,7	☐
	9	1	256-QAM	5/6	N/A	N/A	☐
	10	2	BPSK	1/2	13	14,4	☐
	11	2	QPSK	1/2	26	28,8	☐
	12	2	QPSK	3/4	39	43,4	☐
	13	2	16-QAM	1/2	52	57,8	☐
☐	14	2	16-QAM	3/4	78	86,6	☐
	15	2	64-QAM	2/3	104	115,6	☐
	16	2	64-QAM	3/4	117	130	☐
	17	2	64-QAM	5/6	130	144,4	☐
	18	2	256-QAM	3/4	156	173,4	☐
	19	2	256-QAM	5/6	N/A	N/A	☐
	20	3	BPSK	1/2	19,5	21,6	☐
	21	3	QPSK	1/2	39	43,2	☐
	22	3	QPSK	3/4	58,5	65,1	☐
	23	3	16-QAM	1/2	78	86,7	☐
☐	24	3	16-QAM	3/4	117	129,9	☐
	25	3	64-QAM	2/3	156	173,4	☐
	26	3	64-QAM	3/4	175,5	195	☐
	27	3	64-QAM	5/6	195	216,6	☐
	28	3	256-QAM	3/4	234	260,1	☐
	29	3	256-QAM	5/6	N/A	N/A	☐
	30	4	BPSK	1/2	26	28,8	☐
	31	4	QPSK	1/2	52	57,6	☐
	32	4	QPSK	3/4	78	86,8	☐
	33	4	16-QAM	1/2	104	115,6	☐
☐	34	4	16-QAM	3/4	156	173,2	☐
	35	4	64-QAM	2/3	208	231,2	☐
	36	4	64-QAM	3/4	234	260	☐
	37	4	64-QAM	5/6	260	288,8	☐
	38	4	256-QAM	3/4	312	346,8	☐
	39	4	256-QAM	5/6	N/A	N/A	☐
	40	5	BPSK	1/2	32,5	36	☐
	41	5	QPSK	1/2	65	72	☐
	42	5	QPSK	3/4	97,5	108,5	☐
	43	5	16-QAM	1/2	130	144,5	☐
☐	44	5	16-QAM	3/4	195	216,5	☐
	45	5	64-QAM	2/3	260	289	☐
	46	5	64-QAM	3/4	292,5	325	☐
	47	5	64-QAM	5/6	325	361	☐
	48	5	256-QAM	3/4	390	433,5	☐
	49	5	256-QAM	5/6	N/A	N/A	☐
	50	6	BPSK	1/2	39	43,2	☐
	51	6	QPSK	1/2	78	86,4	☐
	52	6	QPSK	3/4	117	130,2	☐
	53	6	16-QAM	1/2	156	173,4	☐
☐	54	6	16-QAM	3/4	234	259,8	☐
	55	6	64-QAM	2/3	312	346,8	☐
	56	6	64-QAM	3/4	351	390	☐
	57	6	64-QAM	5/6	390	433,2	☐
	58	6	256-QAM	3/4	468	520,2	☐
	59	6	256-QAM	5/6	N/A	N/A	☐
	60	7	BPSK	1/2	45,5	50,4	☐
	61	7	QPSK	1/2	91	100,8	☐
	62	7	QPSK	3/4	136,5	151,9	☐
	63	7	16-QAM	1/2	182	202,3	☐
☐	64	7	16-QAM	3/4	273	303,1	☐
	65	7	64-QAM	2/3	364	404,6	☐
	66	7	64-QAM	3/4	409,5	455	☐
	67	7	64-QAM	5/6	455	505,4	☐
	68	7	256-QAM	3/4	546	606,9	☐
	69	7	256-QAM	5/6	N/A	N/A	☐
	70	8	BPSK	1/2	52	57,6	☐
	71	8	QPSK	1/2	104	115,2	☐
	72	8	QPSK	3/4	156	173,6	☐
	73	8	16-QAM	1/2	208	231,2	☐
☐	74	8	16-QAM	3/4	312	346,4	☐
	75	8	64-QAM	2/3	416	462,4	☐
	76	8	64-QAM	3/4	468	520	☐
	77	8	64-QAM	5/6	520	577,6	☐
	78	8	256-QAM	3/4	624	693,6	☐
	79	8	256-QAM	5/6	N/A	N/A	☐

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

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

DATA RATE: 802.11ac VHT160							
Available for EUT	MCS Index	Nbr of spatial streams	Modulation (Stream 1/2/3/4)	Coding rate	GI = 800ns	GI = 400ns	Worst Case Modulation
	0	1	BPSK	1/2	58,5	65	☐
	1	1	QPSK	1/2	117	130	☐
	2	1	QPSK	3/4	175,5	195	☐
	3	1	16-QAM	1/2	234	260	☐
☐	4	1	16-QAM	3/4	351	390	☐
	5	1	64-QAM	2/3	468	520	☐
	6	1	64-QAM	3/4	526,5	585	☐
	7	1	64-QAM	5/6	585	650	☐
	8	1	256-QAM	3/4	702	780	☐
	9	1	256-QAM	5/6	780	866,6	☐
	10	2	BPSK	1/2	117	130	☐
	11	2	QPSK	1/2	234	260	☐
	12	2	QPSK	3/4	351	390	☐
	13	2	16-QAM	1/2	468	520	☐
☐	14	2	16-QAM	3/4	702	780	☐
	15	2	64-QAM	2/3	936	1040	☐
	16	2	64-QAM	3/4	1053	1170	☐
	17	2	64-QAM	5/6	1170	1300	☐
	18	2	256-QAM	3/4	1404	1560	☐
	19	2	256-QAM	5/6	1560	1733,3	☐
	20	3	BPSK	1/2	175,5	195	☐
	21	3	QPSK	1/2	351	390	☐
	22	3	QPSK	3/4	526,5	585	☐
	23	3	16-QAM	1/2	702	780	☐
☐	24	3	16-QAM	3/4	1053	1170	☐
	25	3	64-QAM	2/3	1404	1560	☐
	26	3	64-QAM	3/4	1579,5	1755	☐
	27	3	64-QAM	5/6	1755	1950	☐
	28	3	256-QAM	3/4	2106	2340	☐
	29	3	256-QAM	5/6	-	-	☐
	30	4	BPSK	1/2	234	260	☐
	31	4	QPSK	1/2	468	520	☐
	32	4	QPSK	3/4	702	780	☐
	33	4	16-QAM	1/2	936	1040	☐
☐	34	4	16-QAM	3/4	1404	1560	☐
	35	4	64-QAM	2/3	1872	2080	☐
	36	4	64-QAM	3/4	2106	2340	☐
	37	4	64-QAM	5/6	2340	2600	☐
	38	4	256-QAM	3/4	2808	3120	☐
	39	4	256-QAM	5/6	3120	3466,7	☐
	40	5	BPSK	1/2	292,5	325	☐
	41	5	QPSK	1/2	585	650	☐
	42	5	QPSK	3/4	877,5	975	☐
	43	5	16-QAM	1/2	1170	1300	☐
☐	44	5	16-QAM	3/4	1755	1950	☐
	45	5	64-QAM	2/3	2340	2600	☐
	46	5	64-QAM	3/4	2632,5	2925	☐
	47	5	64-QAM	5/6	2925	3250	☐
	48	5	256-QAM	3/4	3510	3900	☐
	49	5	256-QAM	5/6	3900	4333,3	☐
	50	6	BPSK	1/2	351	390	☐
	51	6	QPSK	1/2	702	780	☐
	52	6	QPSK	3/4	1053	1170	☐
	53	6	16-QAM	1/2	1404	1560	☐
☐	54	6	16-QAM	3/4	2106	2340	☐
	55	6	64-QAM	2/3	2808	3120	☐
	56	6	64-QAM	3/4	3159	3510	☐
	57	6	64-QAM	5/6	3510	3900	☐
	58	6	256-QAM	3/4	4212	4680	☐
	59	6	256-QAM	5/6	4680	5200	☐
	60	7	BPSK	1/2	409,5	455	☐
	61	7	QPSK	1/2	819	910	☐
	62	7	QPSK	3/4	1228,5	1365	☐
	63	7	16-QAM	1/2	1638	1820	☐
☐	64	7	16-QAM	3/4	2457	2730	☐
	65	7	64-QAM	2/3	3276	3640	☐
	66	7	64-QAM	3/4	3685,5	4095	☐
	67	7	64-QAM	5/6	4095	4550	☐
	68	7	256-QAM	3/4	4914	5460	☐
	69	7	256-QAM	5/6	5460	6066,7	☐
	70	8	BPSK	1/2	468	520	☐
	71	8	QPSK	1/2	936	1040	☐
	72	8	QPSK	3/4	1404	1560	☐
	73	8	16-QAM	1/2	1872	2080	☐
☐	74	8	16-QAM	3/4	2808	3120	☐
	75	8	64-QAM	2/3	3744	4160	☐
	76	8	64-QAM	3/4	4212	4680	☐
	77	8	64-QAM	5/6	4680	5200	☐
	78	8	256-QAM	3/4	5616	6240	☐
	79	8	256-QAM	5/6	6240	6932,3	☐

2.2. RUNNING MODE

Test mode	Description of test mode
Test mode 1	Permanent emission with modulation on a fixed channel in the data rate that produced the highest power
Test mode 3	Permanent emission with modulation on a fixed channel in the data rate that produced the lowest power
Test mode 2	Permanent reception

Test	Running mode	
Occupied Bandwidth	☑ Test mode 1 (1)	☐ Alternative test mode()
26dB Bandwidth	☑ Test mode 1 (1)	☐ Alternative test mode()
6dB Bandwidth	☑ Test mode 1 (1)	☐ Alternative test mode()
Duty Cycle	☑ Test mode 1 (1)	☐ Alternative test mode()
EIRP	☑ Test mode 1 (1)	☐ Alternative test mode()
Maximum Conducted Output Power	☑ Test mode 1 (1)	☐ Alternative test mode()
Power Spectral Density	☑ Test mode 1 (1)	☐ Alternative test mode()
Transmit Power Control	☑ Test mode 2 (1)	☐ Alternative test mode()
Unwanted Emissions & Undesirable Emission	☑ Test mode 1 & 3 (1)	☐ Alternative test mode()
Frequency Stability	☑ Test mode 1 (1)	☐ Alternative test mode()

(1) Following commands with the specific test software “X” are used to set the product:

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

For TX mode:

802.11a :

- 1 : Connexion
- 30 1 : WIFI 5GHZ
- 12 36 : Set canal 36
- 22 36 10 1 1: Set the calibration on the canal 36 with the power at **10dBm** and the “1”is used to specify 802.11a.
- 25 1 6: Sets the device for continuous transmission of a modulated waveform with data rate at 6Mbps.

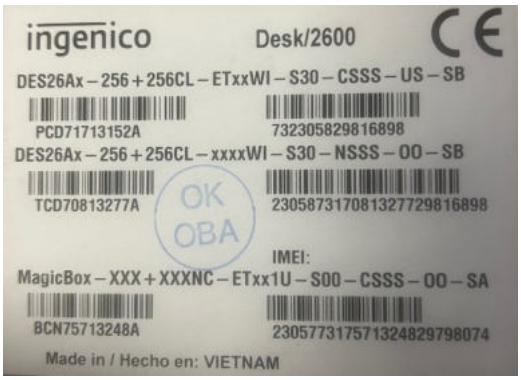
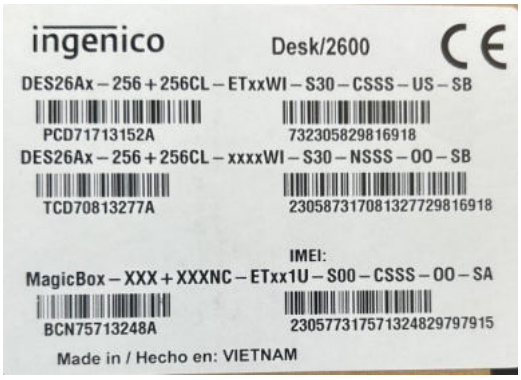
802.11n HT20 :

- 1 : Connexion
- 30 1 : WIFI 5GHZ
- 112 0: For HT20
- 12 36 : Set canal 36
- 22 36 10 10 1: Set the calibration on the canal 36 with the power at **10dBm**
- 25 1 15: Set the device for continuous transmission of a modulated waveform with data rate at 6.5Mbps in MCS0.

802.11n HT40 :

- 1 : Connexion
- 30 1 : WIFI 5GHZ
- 112 1: For HT40
- 12 36 : Set canal 36
- 22 36 10 10 1: Set the calibration on the canal 36 with the power at **10dBm**
- 25 1 15: Set the device for continuous transmission of a modulated waveform with data rate at 13.5Mbps in MCS0.

2.3. EQUIPMENT LABELLING

Label
   **Used for conducted test**
   **Used for Radiated test**

2.4. EQUIPMENT MODIFICATION

☑ None ☐ Modification:

3. OCCUPIED BANDWIDTH

3.1. TEST CONDITIONS

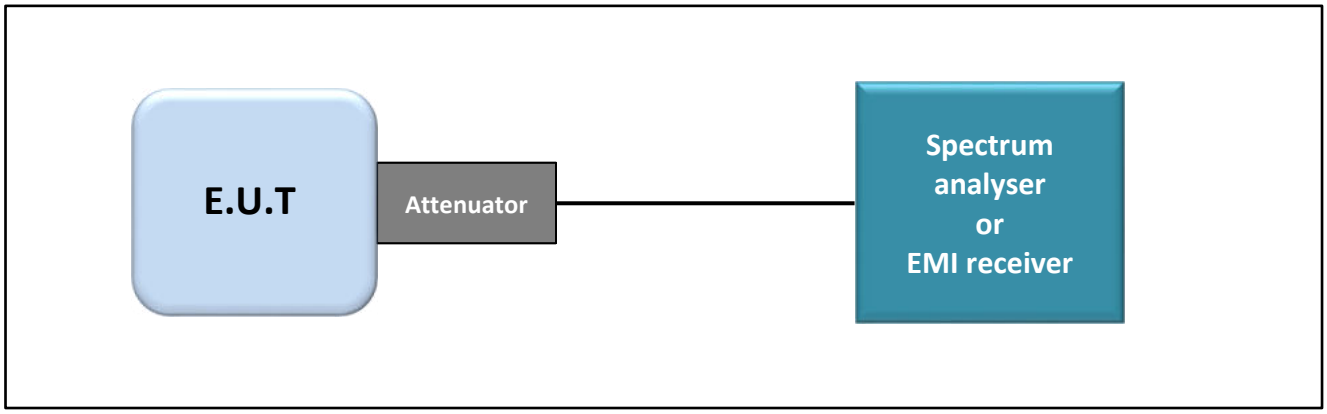
Test performed by	: Akram HAKKARI
Date of test	: April 12, 2023
Ambient temperature	: 22 °C
Relative humidity	: 31 %

3.2. TEST SETUP

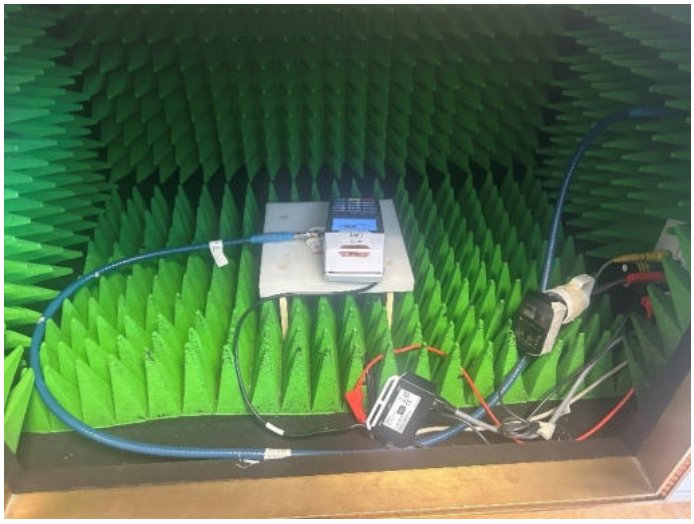
- The Equipment Under Test is installed:
☐ On a table
☑ In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:
☑ Conducted Method
☐ Radiated Method

- Test Procedure:
☑ KDB 789033 D02 General UNII Test Procedures New Rules v02r01 § D



Test set up of Occupied Bandwidth




Photograph for Occupied bandwidth

3.3. LIMIT

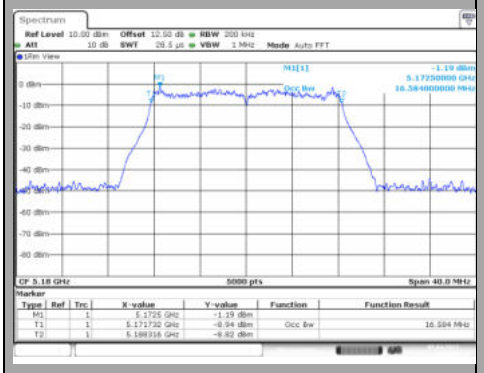
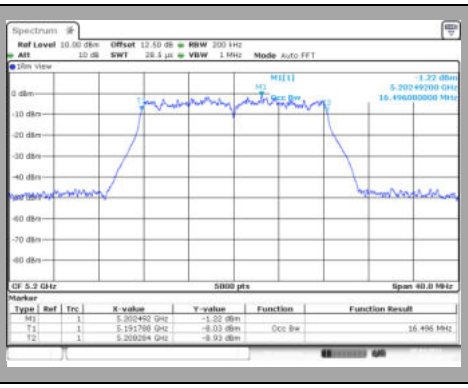
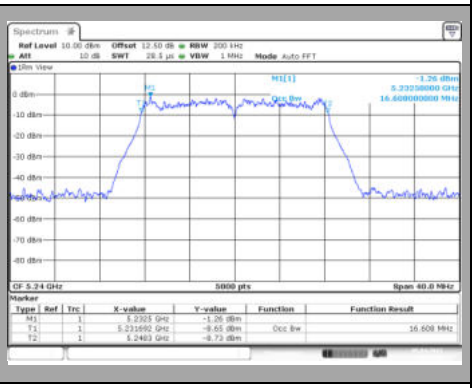
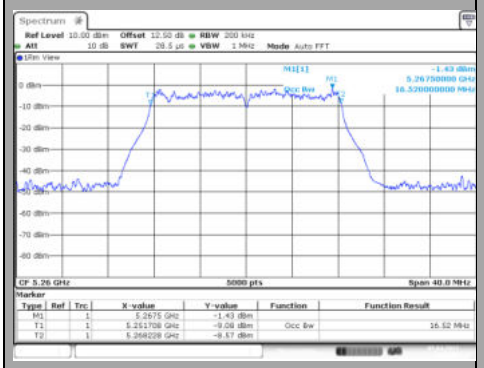
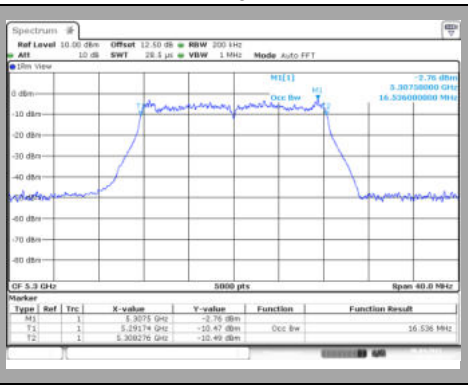
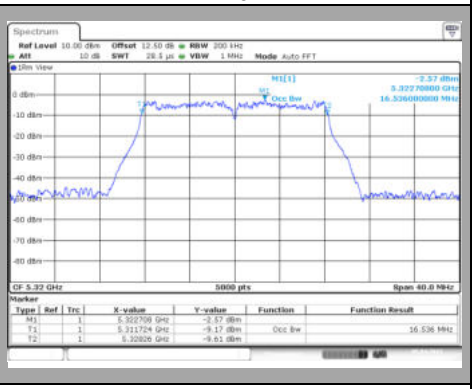
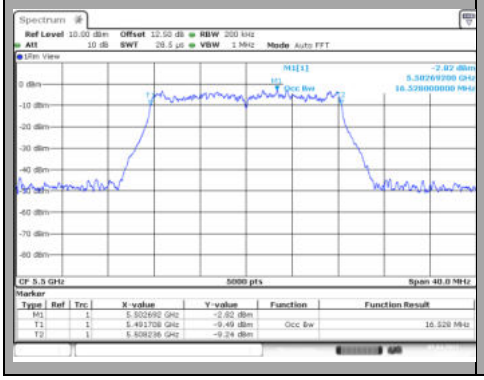
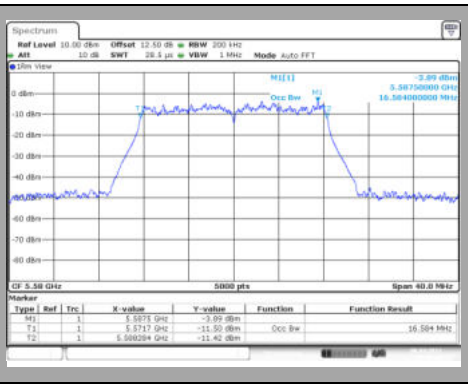
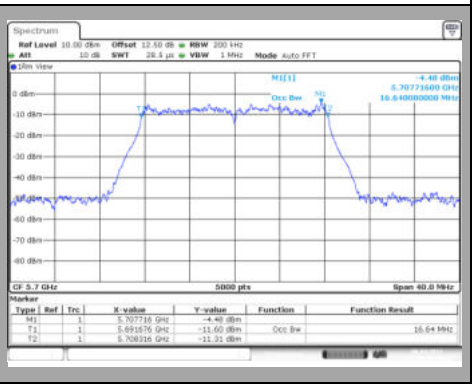
None

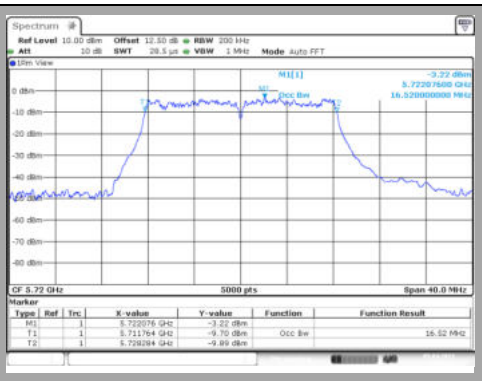
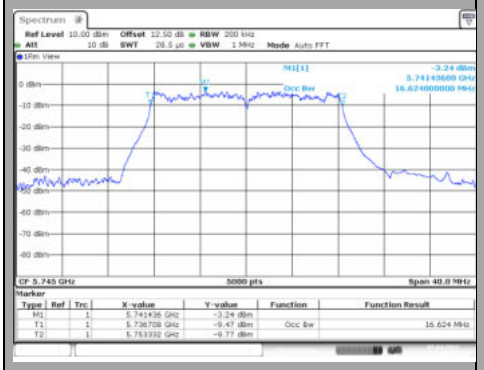
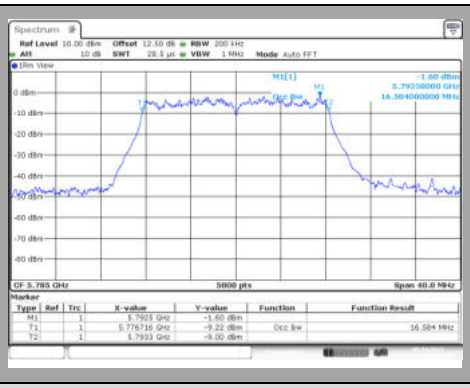
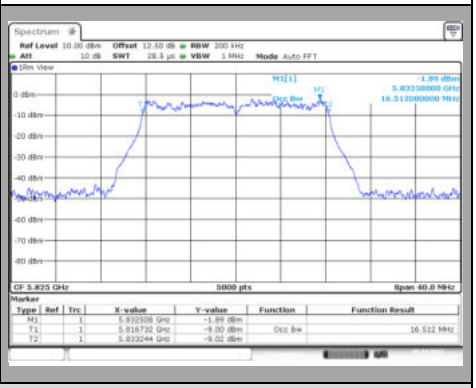
3.4. TEST EQUIPMENT LIST

TEST EQUIPMENT USED					
Description	**Manufacturer**	**Model**	**Identifier**	**Cal_Date**	**Cal_Due**
Attenuator 10dB	AEROFLEX	_	A7122267	08/21	08/23
Comb EMR HF	YORK	CGE01	A3169114		
Full Anechoic Room	SIEPEL	_	D3044024		
Multimeter - CEM	FLUKE	87	A1240251	03/21	03/23
SMA 1.5m	SUCOFLEX	18GHz	A5329863	05/22	05/23
Spectrum analyzer	ROHDE & SCHWARZ	FSV 40	A4060059	11/21	11/23
Thermo-hygrometer (PM1/2/3)	KIMO	HQ 210	B4206022	01/21	05/23
SMA 1.5m	SUCOFLEX	18GHz	A5329864	09/22	09/23

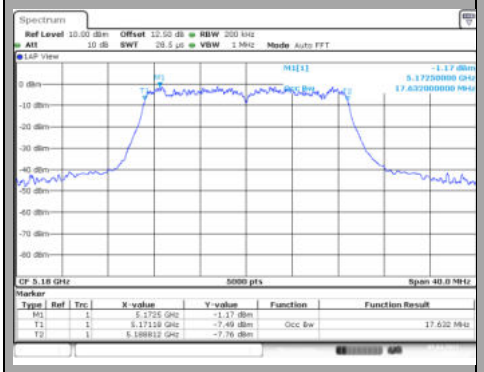
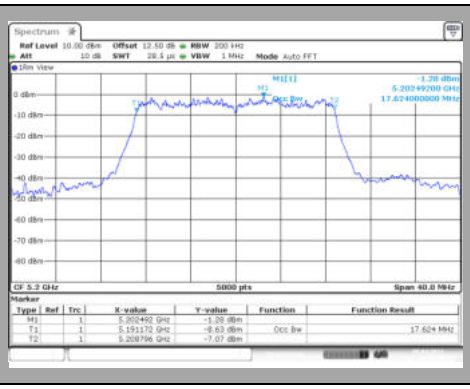
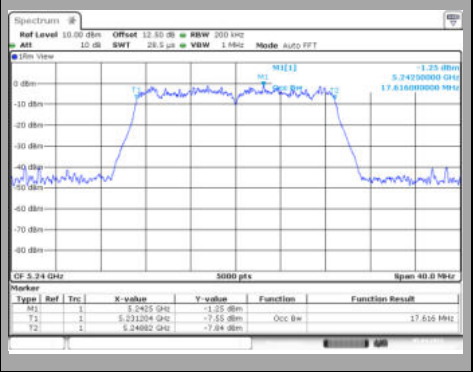
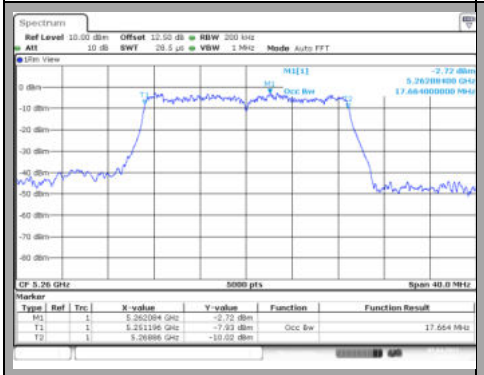
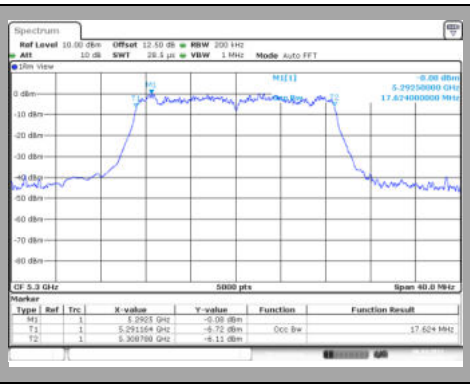
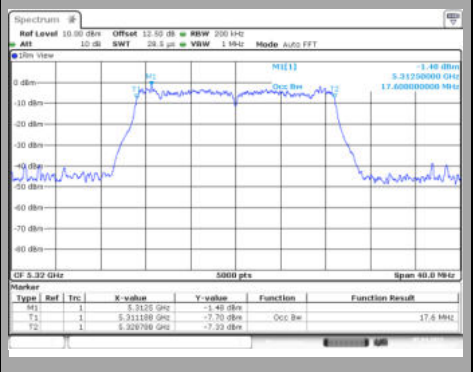
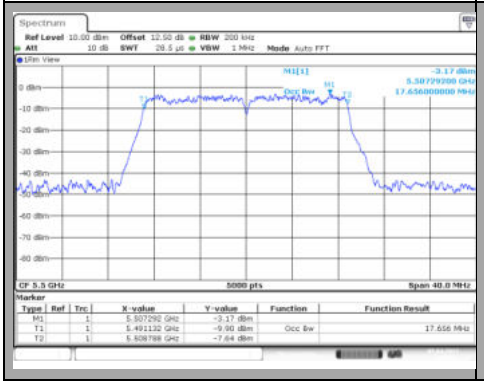
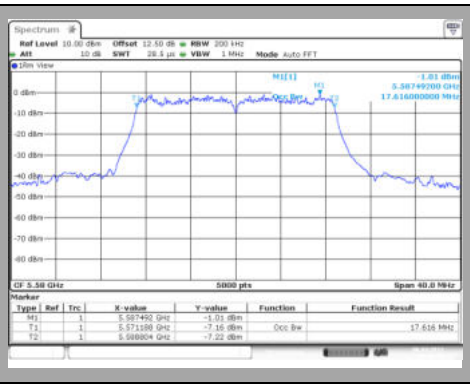
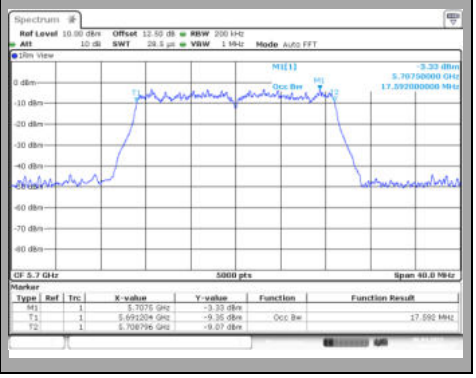
Note: In our quality system, the test equipment calibration due is more & less 2 months

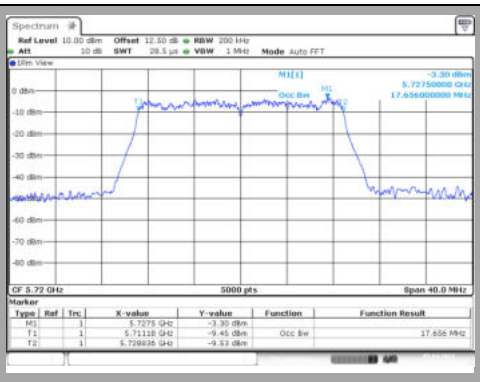
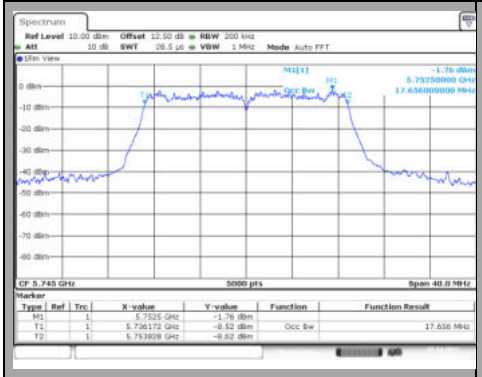
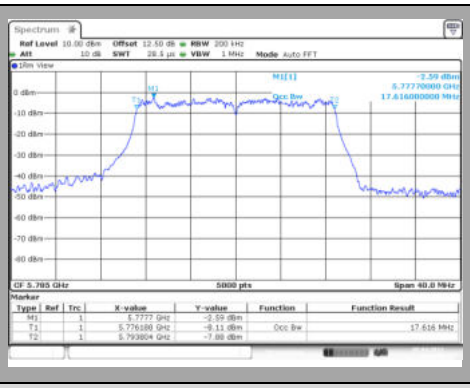
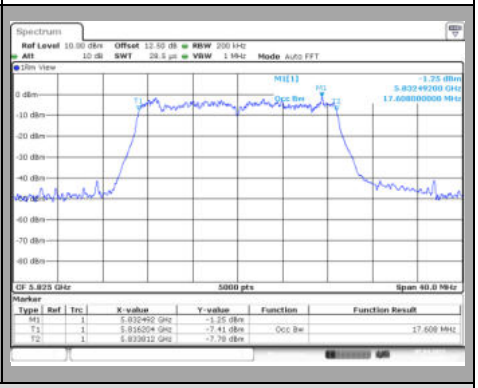
3.5. RESULTS

802.11 a		
C1	C2	C3
		
C4	C5	C6
		
C7	C8	C9
		

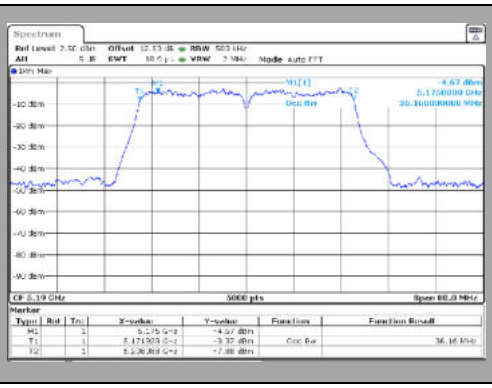
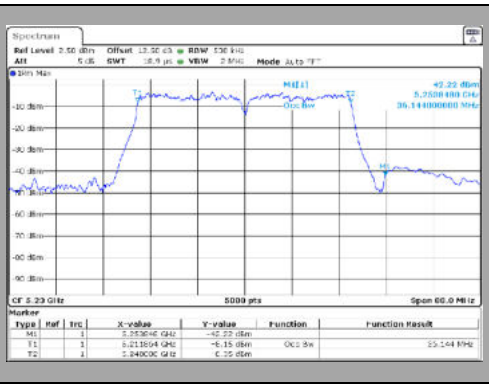
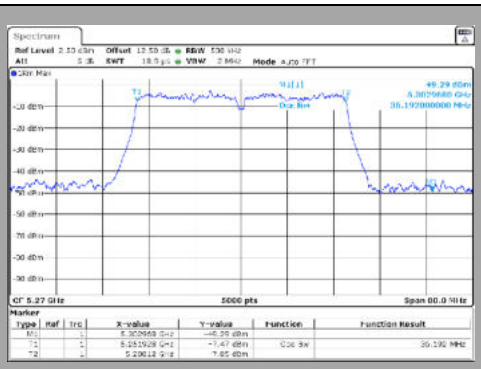
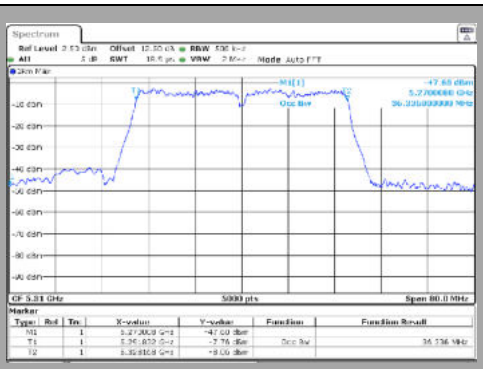
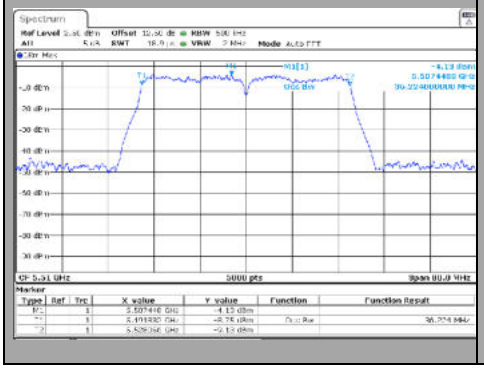
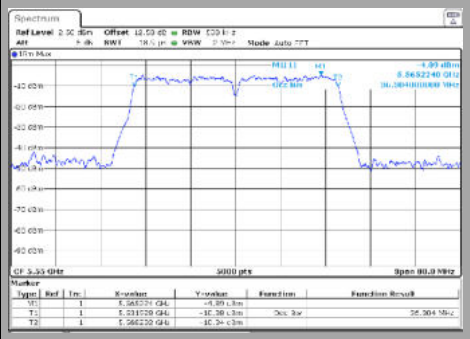
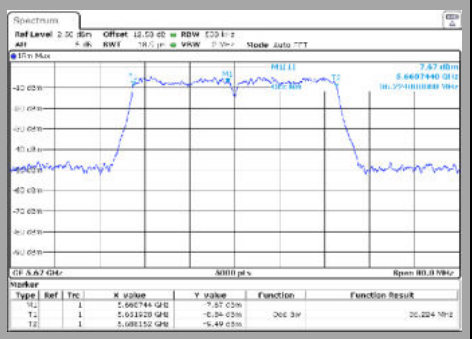
802.11n HT20/ac VHT20		
C10		
		
C11	C12	C13
		

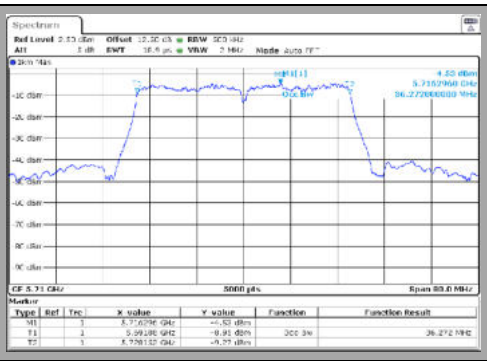
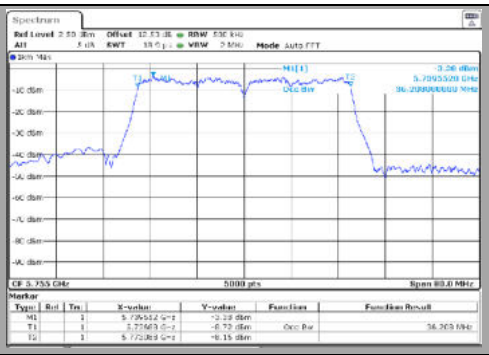
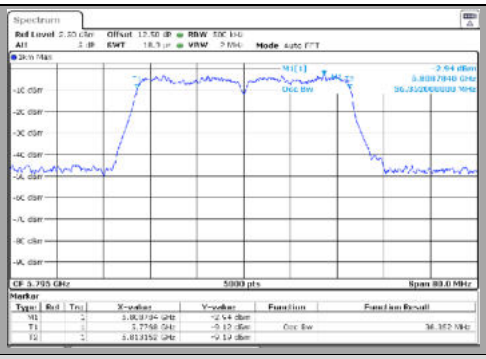
Channel	Occupied Channel Bandwidth (MHz)
C1	16.584
C2	16.496
C3	16.608
C4	16.52
C5	16.536
C6	16.536
C7	16.528
C8	16.584
C9	16.64
C10	16.52
C11	16.624
C12	16.584
C13	16.512

802.11nHT20		
C1	C2	C3
		
C4	C5	C6
		
C7	C8	C9
		

802.11a		
C10		
		
C11	C12	C13
		

Channel	Occupied Channel Bandwidth (MHz)
C1	17.632
C2	17.624
C3	17.616
C4	17.664
C5	17.624
C6	17.6
C7	17.656
C8	17.616
C9	17.592
C10	17.656
C11	17.656
C12	17.616
C13	17.608

802.11n HT40/ac VHT40		
C14	C15	
		
C16	C17	
		
C18	C19	C20
		

802.11n HT40/ac VHT40	
C21	
	
C22	C23
	

Channel	Occupied Channel Bandwidth (MHz)
C14	36.16
C15	36.144
C16	36.192
C17	36.336
C18	36.224
C19	36.304
C20	36.224
C21	36.272
C22	36.208
C23	36.352

3.6. CONCLUSION

Occupied Channel Bandwidth measurement performed on the sample of the product **INGENICO** Desk/2600, SN: 230587317081327729816898 , in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.407 & RSS-GEN ISSUE 5** limits.

5. 26dB Emission Bandwidth

5.1. TEST CONDITIONS

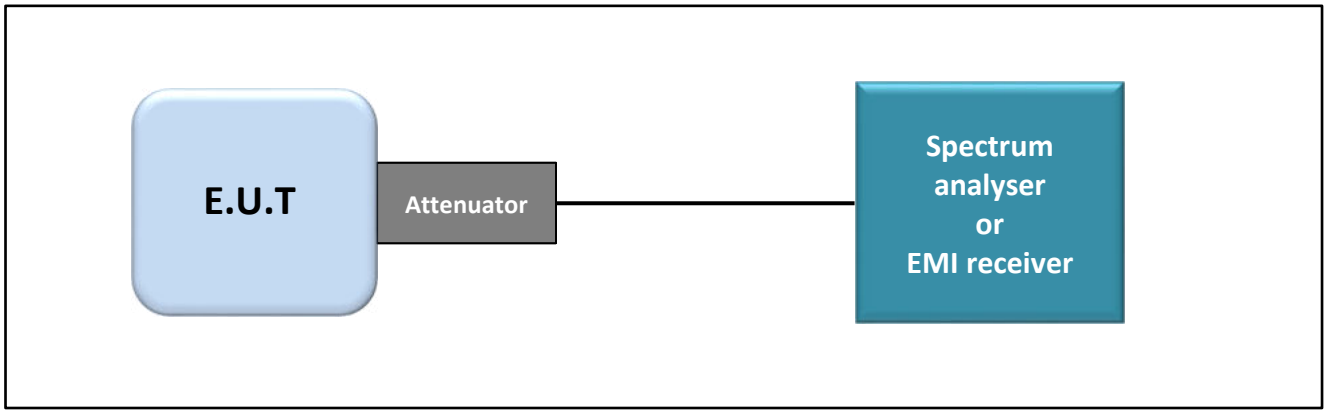
Test performed by	: Akram HAKKARI
Date of test	: April 13, 2023
Ambient temperature	: 22 °C
Relative humidity	: 31 %

5.2. TEST SETUP

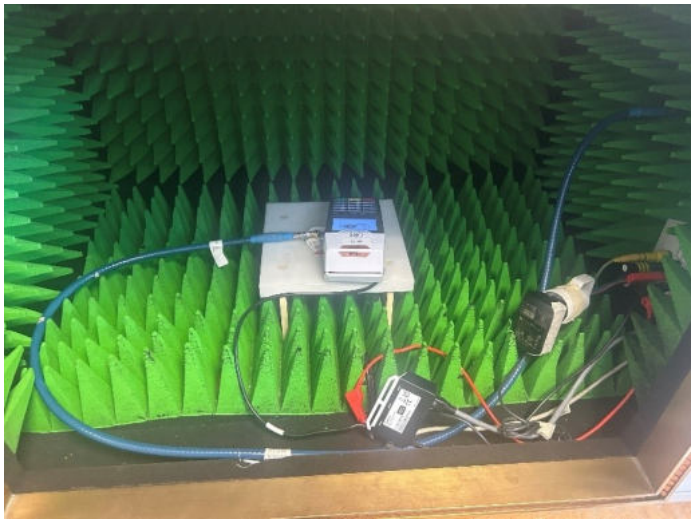
- The Equipment Under Test is installed:
☐ On a table
☑ In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:
☑ Conducted Method
☐ Radiated Method

- Test Procedure:
☑ KDB 789033 D02 General UNII Test Procedures New Rules v02r01 § C1



Test set up of 26dB Emission Bandwidth



Photograph for 26dB emission bandwidth

5.3. LIMIT

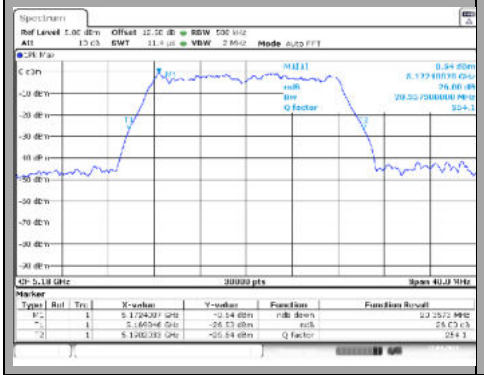
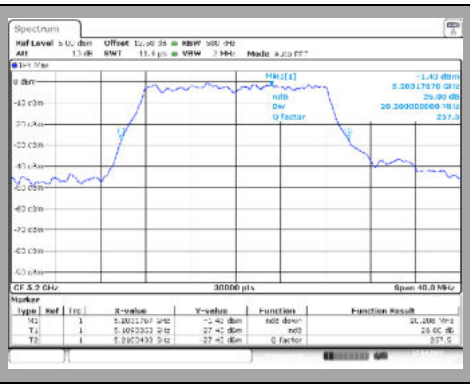
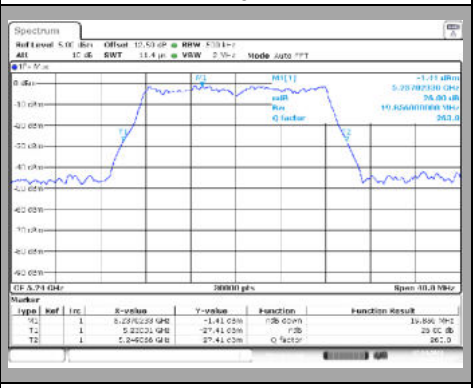
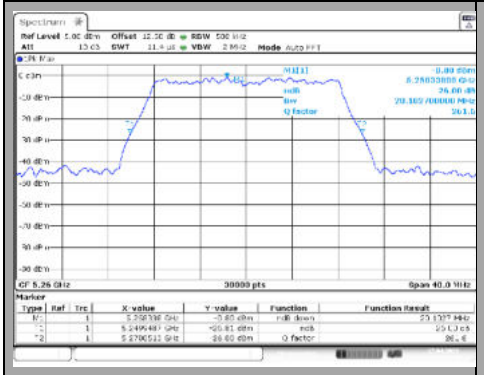
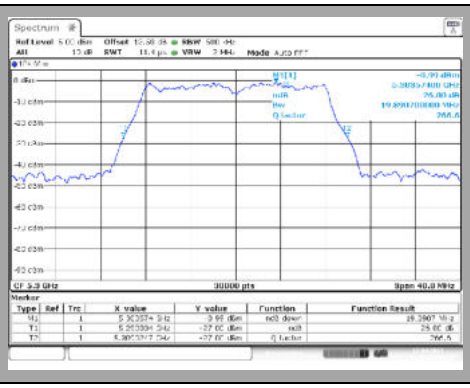
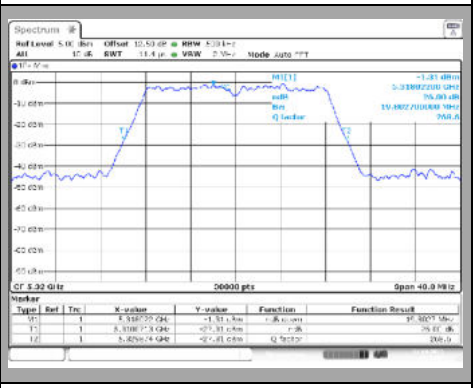
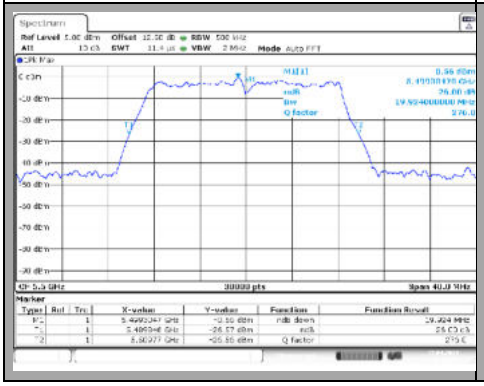
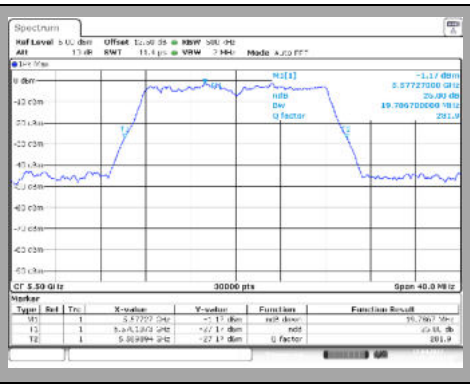
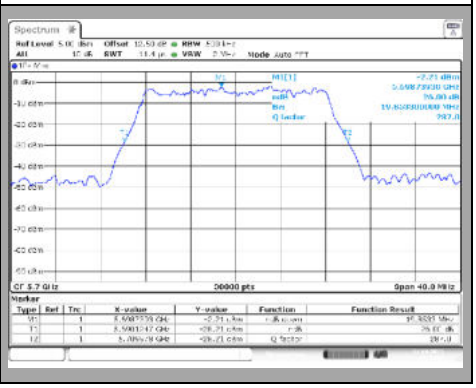
None

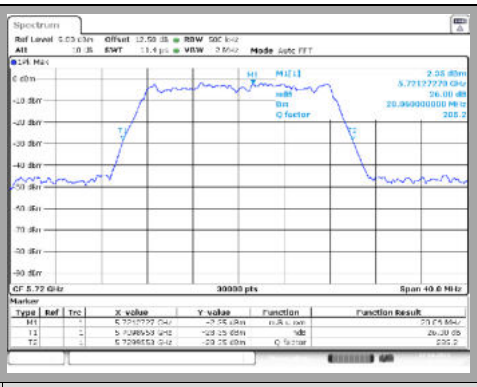
5.4. TEST EQUIPMENT LIST

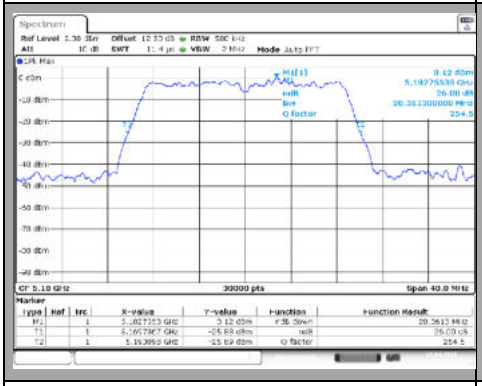
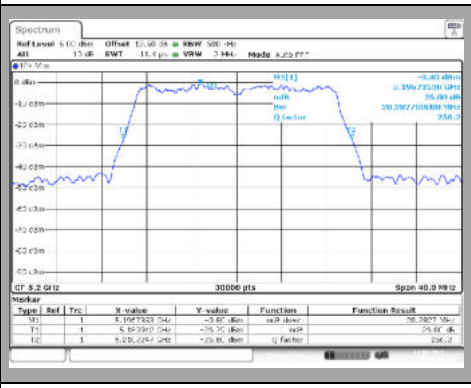
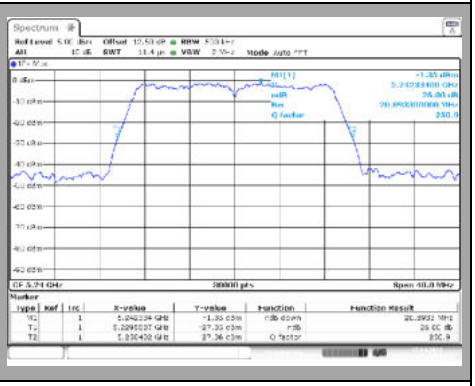
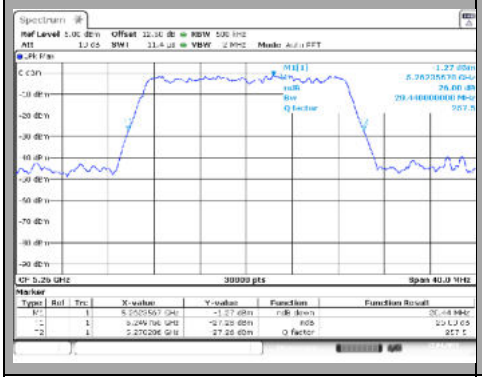
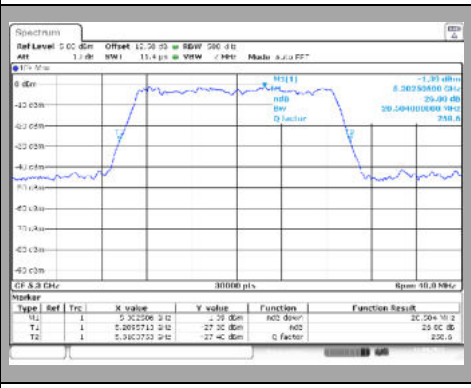
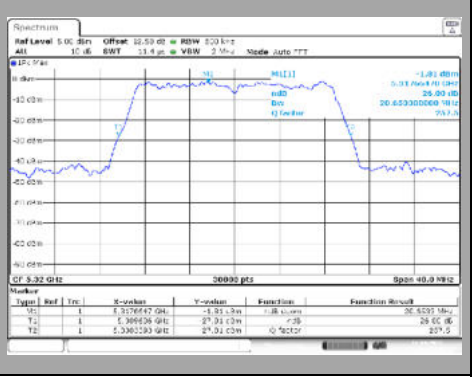
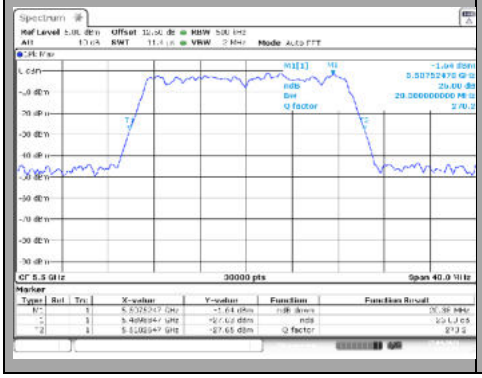
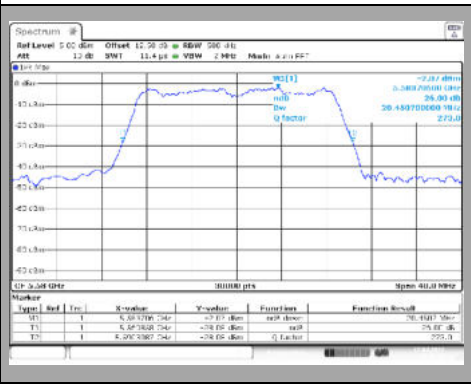
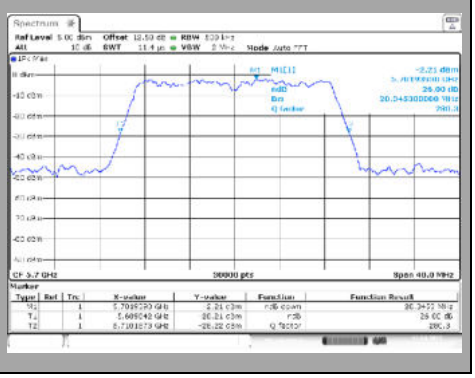
TEST EQUIPMENT USED					
Description	**Manufacturer**	**Model**	**Identifier**	**Cal_Date**	**Cal_Due**
Attenuator 10dB	AEROFLEX	_	A7122267	08/21	08/23
Comb EMR HF	YORK	CGE01	A3169114		
Full Anechoic Room	SIEPEL	_	D3044024		
Multimeter - CEM	FLUKE	87	A1240251	03/21	03/23
SMA 1.5m	SUCOFLEX	18GHz	A5329863	05/22	05/23
Spectrum analyzer	ROHDE & SCHWARZ	FSV 40	A4060059	11/21	11/23
Thermo-hygrometer (PM1/2/3)	KIMO	HQ 210	B4206022	01/21	05/23
SMA 1.5m	SUCOFLEX	18GHz	A5329864	09/22	09/23

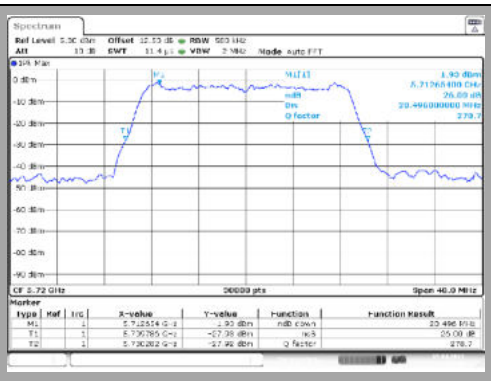
Note: In our quality system, the test equipment calibration due is more & less 2 months

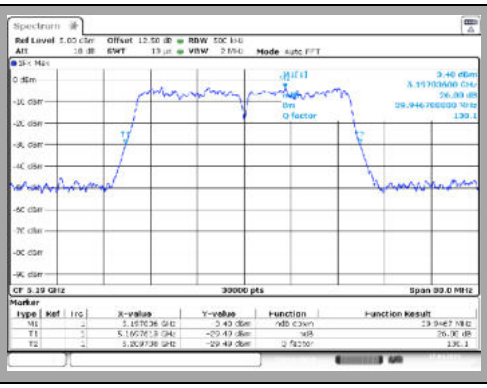
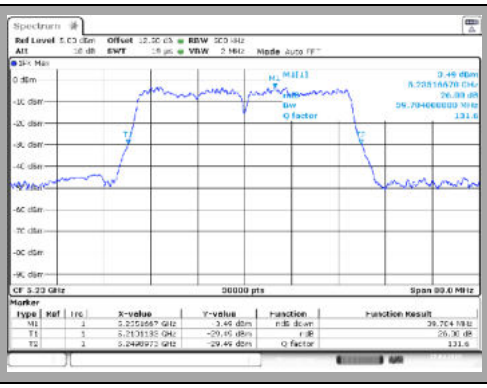
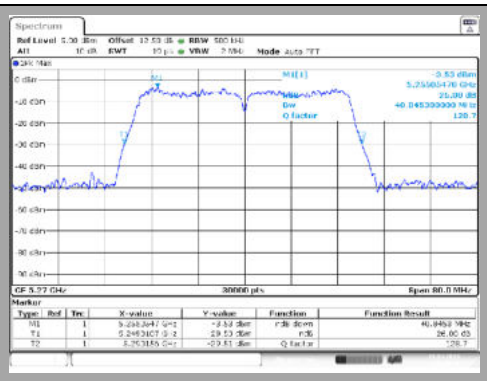
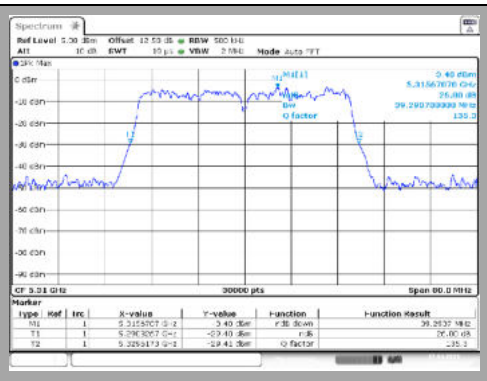
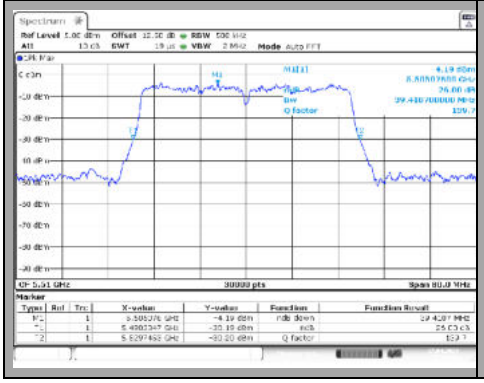
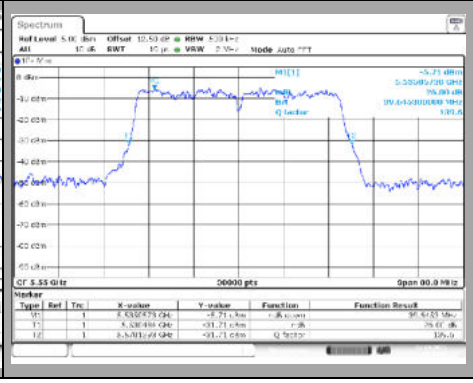
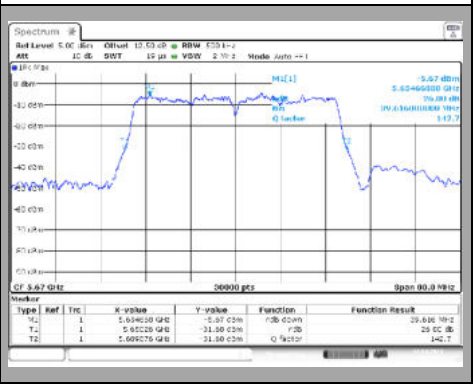
5.5. RESULTS

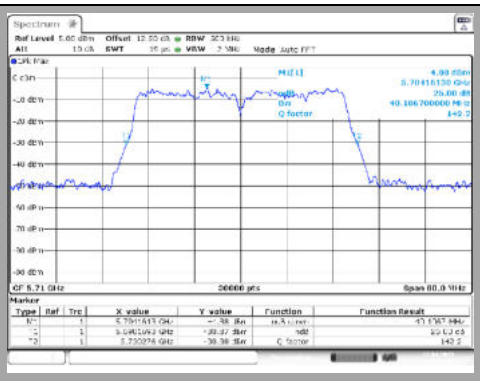
802.11a		
C1	C2	C3
		
C4	C5	C6
		
C7	C8	C9
		

802.11a	
C10	
	
Channel	26dB Emission Bandwidth (MHz)
C1	20.35
C2	20.20
C3	19.85
C4	20.1
C5	19.89
C6	19.80
C7	19.92
C8	19.78
C9	19.85
C10	20.06

802.11n HT20/ac VHT20		
C1	C2	C3
		
C4	C5	C6
		
C7	C8	C9
		

802.11n HT20/ac VHT20	
C10	
	
Channel	26dB Emission Bandwidth (MHz)
C1	20.36
C2	20.28
C3	20.89
C4	20.44
C5	20.5
C6	20.65
C7	20.38
C8	20.45
C9	20.34
C10	20.49

802.11n HT40/ac VHT40	
C14	C15
	
C16	C17
	
C18	C19
	
C20	
	

802.11n HT40/ac VHT40	
C21	
	
Channel	26dB Emission Bandwidth (MHz)
C14	39.94
C15	39.78
C16	40.84
C17	39.29
C18	39.41
C19	39.64
C20	39.61
C21	40.1

5.6. CONCLUSION

26dB Emission Bandwidth measurement performed on the sample of the product **INGENICO** Desk/2600, SN: 23058731708132772981689 8 , in configuration and description presented in this test report, show levels **compliant** to the **47 CFR PART 15.407 & RSS 247 ISSUE 2** limits.

6. 6dB Emission Bandwidth

6.1. TEST CONDITIONS

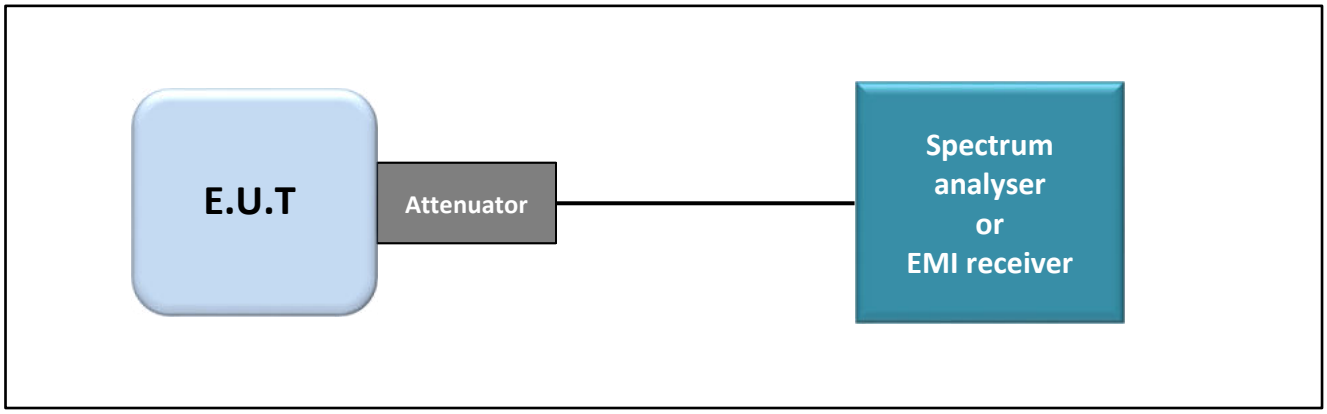
Test performed by	: Akram HAKKARI
Date of test	: April 14, 2023
Ambient temperature	: 22 °C
Relative humidity	: 31 %

6.2. TEST SETUP

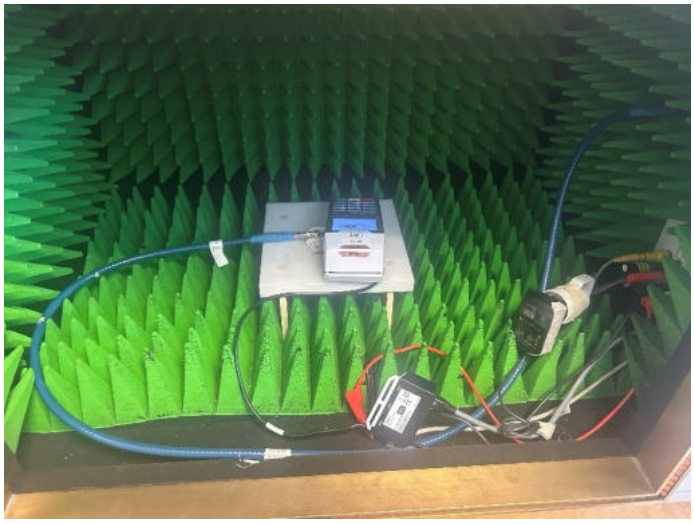
- The Equipment Under Test is installed:
☐ On a table
☑ In an anechoic chamber

- Measurement is performed with a spectrum analyzer in:
☑ Conducted Method
☐ Radiated Method

- Test Procedure:
☑ KDB 789033 D02 General UNII Test Procedures New Rules v02r01 § C2



Test set up of 6dB Emission Bandwidth




Photograph for 6dB emission bandwidth

6.3. LIMIT

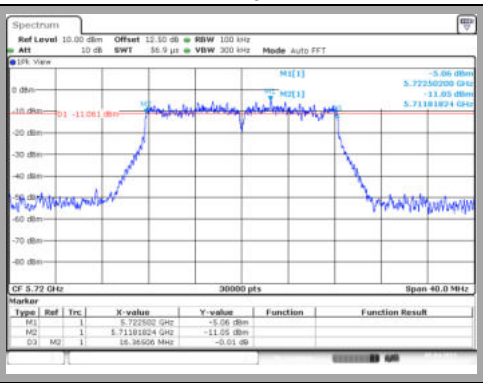
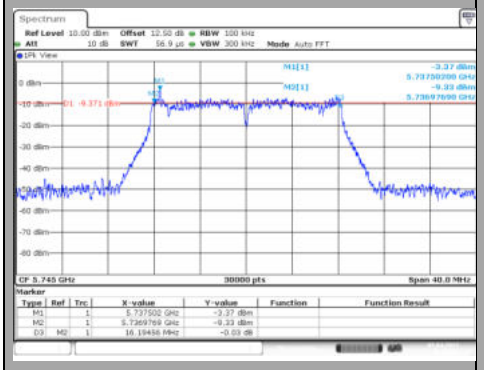
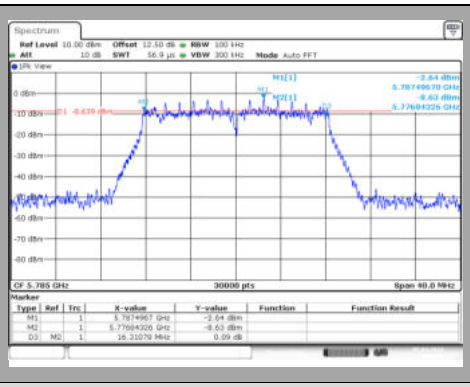
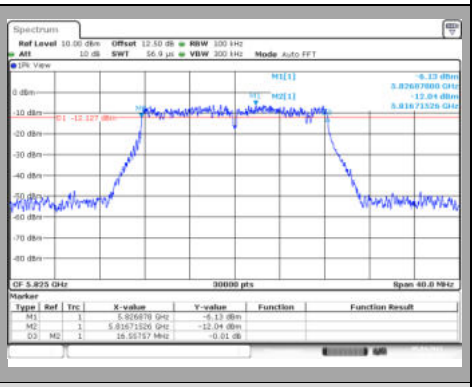
The 6dB bandwidth shall be at least 500kHz

6.4. TEST EQUIPMENT LIST

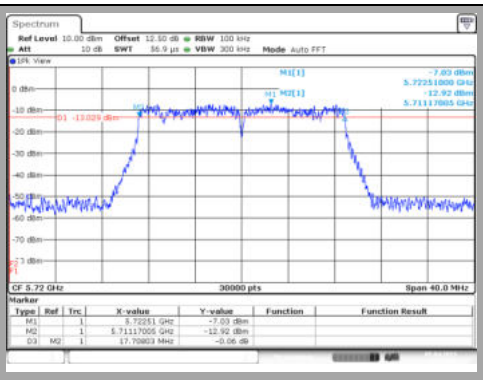
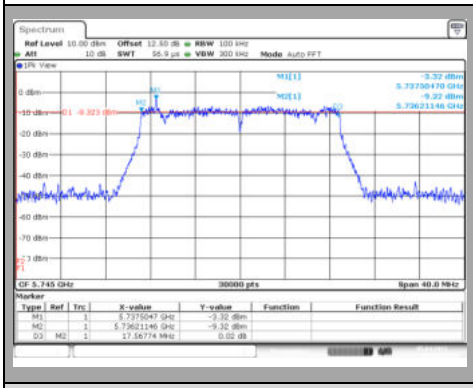
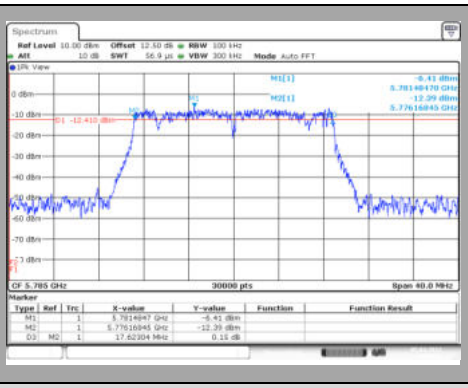
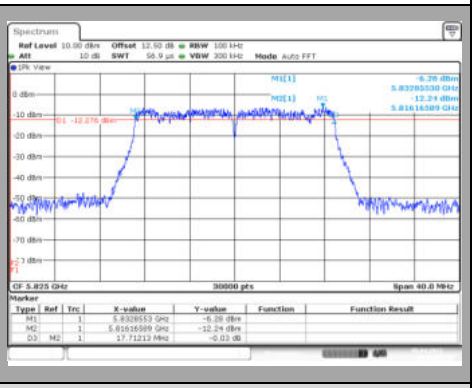
TEST EQUIPMENT USED					
Description	**Manufacturer**	**Model**	**Identifier**	**Cal_Date**	**Cal_Due**
Attenuator 10dB	AEROFLEX	_	A7122267	08/21	08/23
Comb EMR HF	YORK	CGE01	A3169114		
Full Anechoic Room	SIEPEL	_	D3044024		
Multimeter - CEM	FLUKE	87	A1240251	03/21	03/23
SMA 1.5m	SUCOFLEX	18GHz	A5329863	05/22	05/23
Spectrum analyzer	ROHDE & SCHWARZ	FSV 40	A4060059	11/21	11/23
Thermo-hygrometer (PM1/2/3)	KIMO	HQ 210	B4206022	01/21	05/23
SMA 1.5m	SUCOFLEX	18GHz	A5329864	09/22	09/23

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

6.5. RESULTS

802.11a		
C10		
		
C11	C12	C13
		

Channel	6dB Emission Bandwidth (MHz)
C10	16.36
C11	16.19
C12	16.31
C13	16.55

802.11n HT20/ac VHT20		
C10		
		
C11	C12	C13
		

Channel	6dB Emission Bandwidth (MHz)
C10	17.7
C11	17.56
C12	17.62
C13	17.71