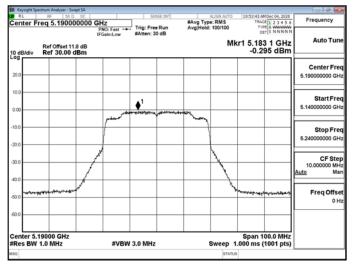
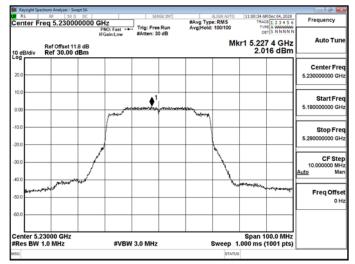


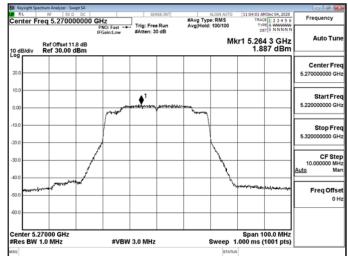
802.11ax_40MHz_CH1_5190MHz-5190



802.11ax_40MHz_CH1_5230MHz-5230



802.11ax_40MHz_CH1_5270MHz-5270



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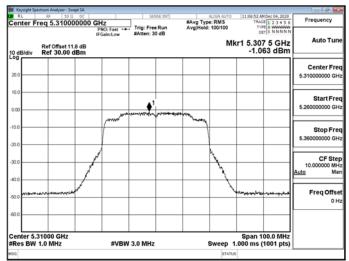
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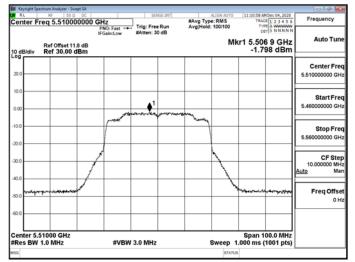
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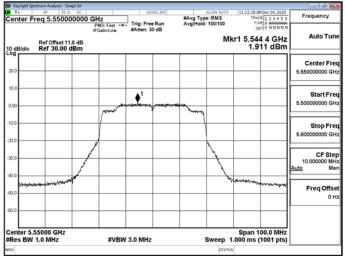
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802.11ax_40MHz_CH1_5510MHz-5510



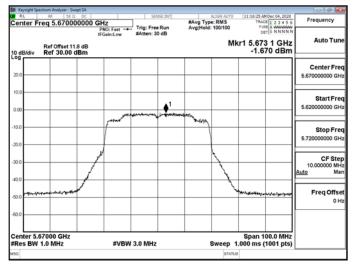
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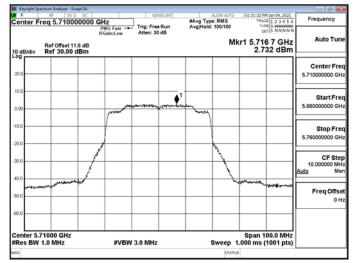
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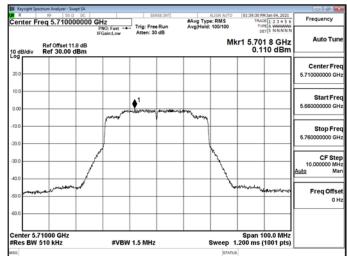
802.11ax_40MHz_CH1_5670MHz



802.11ax_40MHz_CH1_5710MHz_UNII 2C



802.11ax 40MHz CH1 5710MHz UNII 3



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- 0 Ø							ipt SA	n Analyzer - Swe	Spectrum	ght (
Frequency	TRACE 1 2 3 4 5 6		#Avg Typ	NSE:DNT]		GHz		5.75500		ər
	DET S NNNN	: 100/100	Avg Hold		Trig: Free #Atten: 3	PNO: Fast IFGain:Low				
Auto Tur	0.759 3 GHz 0.505 dBm	Mk						of Offset 11. ef 30.00 d		div
Center Fre										
5.755000000 GH										
Start Fre				A 1						

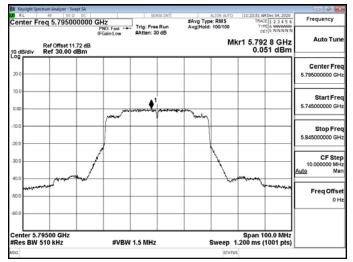
802.11ax_40MHz_CH1_5755MHz-5755

Stop Fre 5.805000000 GH CF Step 10.0 M Freq Offse οн Span 100.0 MHz Sweep 1.200 ms (1001 pts 5 75500 GH

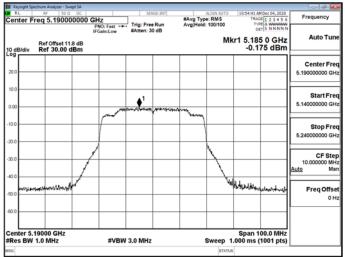
802.11ax_40MHz_CH1_5795MHz-5795

#VBW 1.5 MHz

Res BW 510 kHz



802.11ax 40MHz CH0 5190MHz-5190



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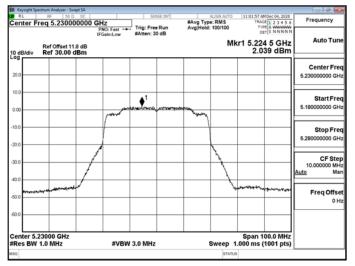
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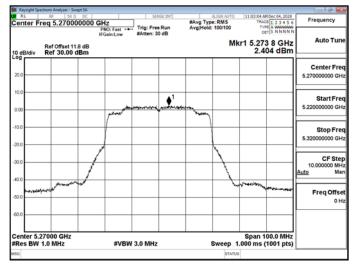
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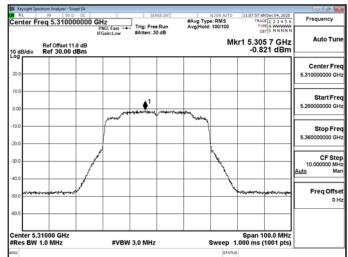
802.11ax_40MHz_CH0_5230MHz-5230



802.11ax_40MHz_CH0_5270MHz-5270



802.11ax_40MHz_CH0_5310MHz-5310



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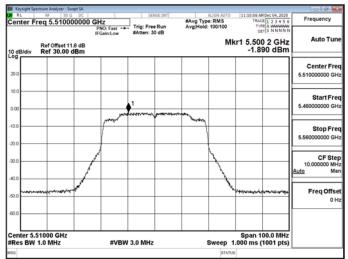
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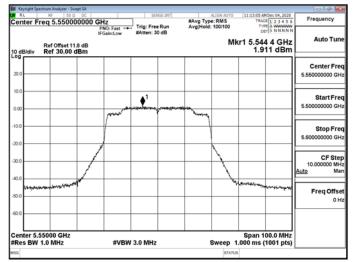
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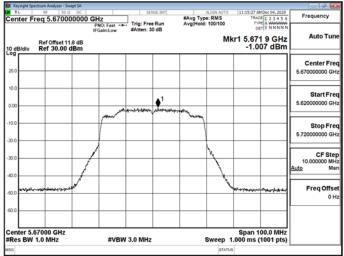
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802.11ax_40MHz_CH0_5550MHz-5550



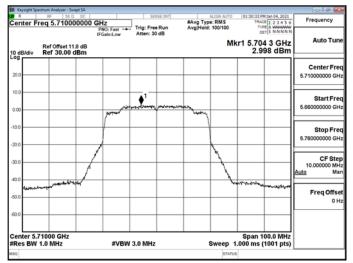
802.11ax_40MHz_CH0_5670MHz



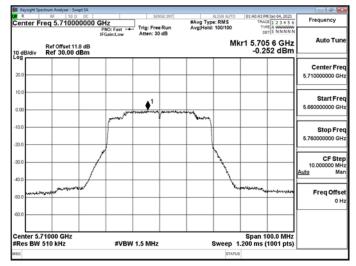
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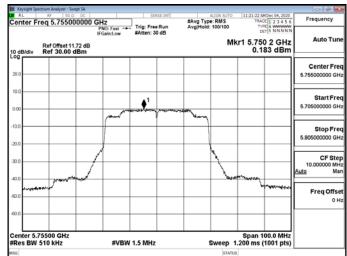
802.11ax_40MHz_CH0_5710MHz_UNII 2C



802.11ax_40MHz_CH0_5710MHz_UNII 3



802.11ax_40MHz_CH0_5755MHz-5755



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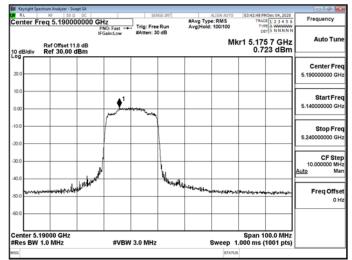
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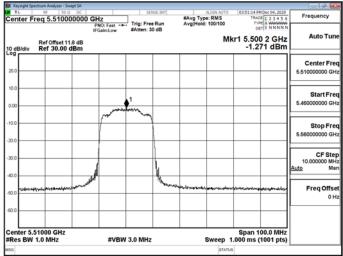
Keysight Spectrum Analyzer - Swept	r SA				
Center Freq 5.795000	0000 GHz	SENSE:DIT	#Avg Type: RMS Avg[Hold: 100/100	TRACE 1 2 3 4 5 6	Frequency
Ref Offset 11.7		#Atten: 30 dB	-	/kr1 5.790 1 GHz 0.253 dBm	Auto Tun
20.0					Center Fre 5.795000000 GH
0.00	starson white	**************************************	There we are		Start Fre 5.745000000 GF
20.0					Stop Fre 5.845000000 GH
40.0					CF Ste 10.000000 Mi Auto Mi
50.0 Lappedromies				and and adversariations	Freq Offs 0 H
©.0 Center 5.79500 GHz				Span 100.0 MHz	
#Res BW 510 kHz	#VBW 1	1.5 MHz	Sweep	1.200 ms (1001 pts)	

802.11ax_40MHz_CH0_5795MHz-5795

802.11ax_40MHz_RU_242_61_CH1_5190MHz-5190



802.11ax_40MHz_RU_242_61_CH1_5510MHz-5510

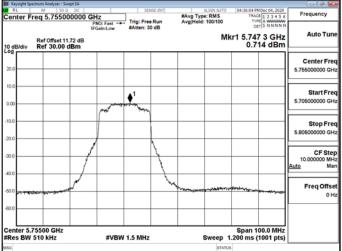


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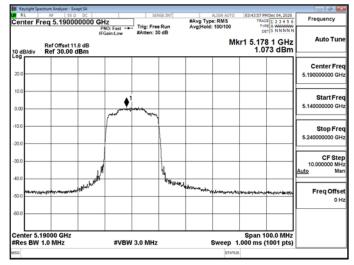
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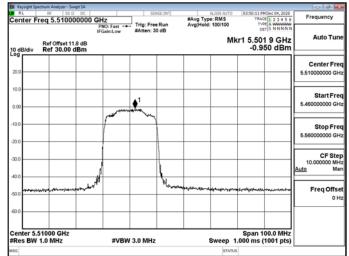
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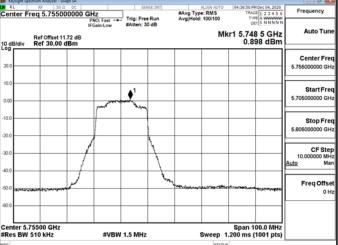


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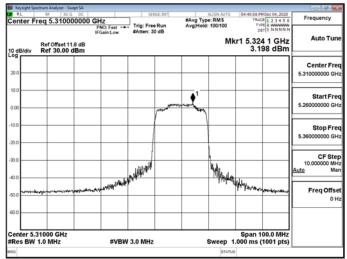
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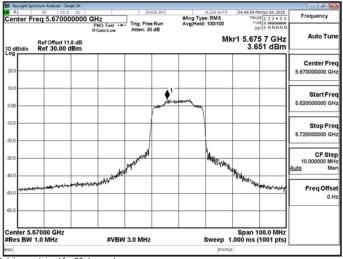


802.11ax_40MHz_RU_242_61_CH0_5755MHz-5755

802.11ax_40MHz_RU_242_62_CH1_5310MHz-5310



802.11ax 40MHz RU 242 62 CH1 5670MHz-5670



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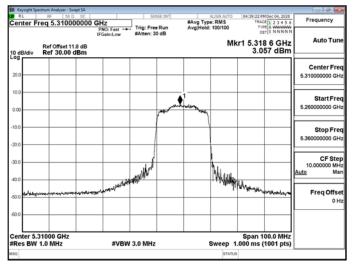
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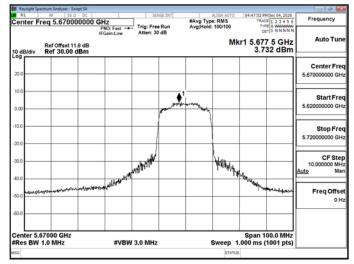
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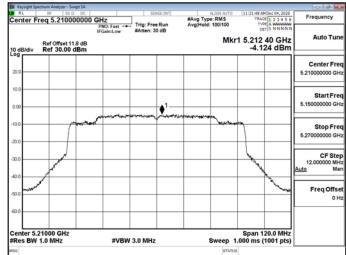
802.11ax_40MHz_RU_242_62_CH0_5310MHz-5310



802.11ax_40MHz_RU_242_62_CH0_5670MHz-5670



802.11ax_80MHz_CH1_5210MHz-5210



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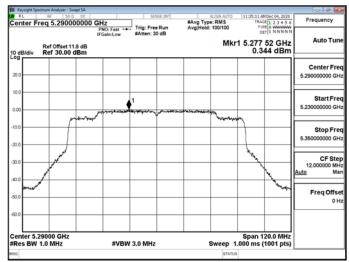
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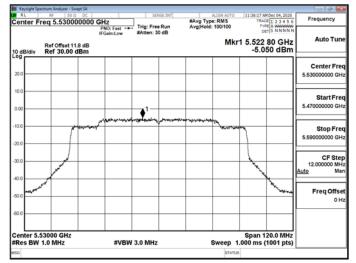
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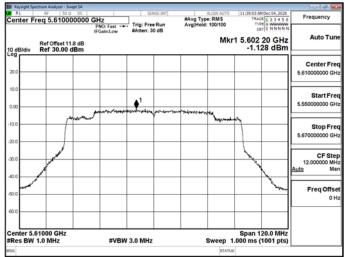
802.11ax_80MHz_CH1_5290MHz



802.11ax_80MHz_CH1_5530MHz-5530



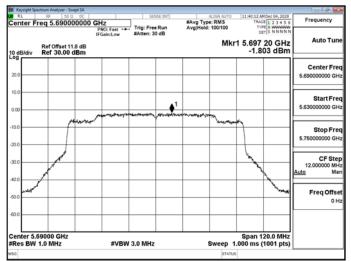
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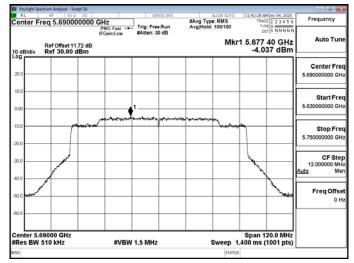
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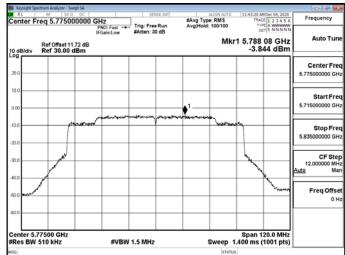
802.11ax_80MHz_CH1_5690MHz_UNII 2C



802.11ax_80MHz_CH1_5690MHz_UNII 3



802.11ax_80MHz_CH1_5775MHz-5775



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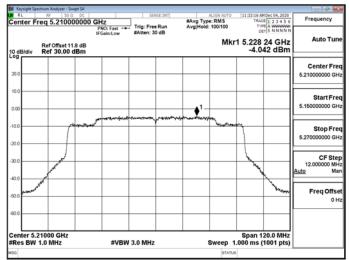
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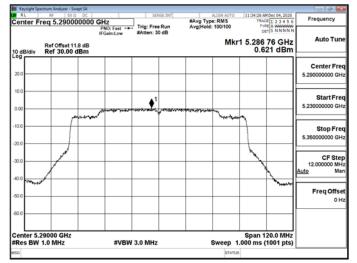
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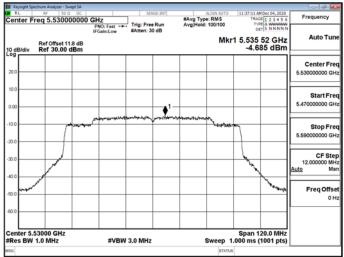
802.11ax_80MHz_CH0_5210MHz-5210



802.11ax_80MHz_CH0_5290MHz



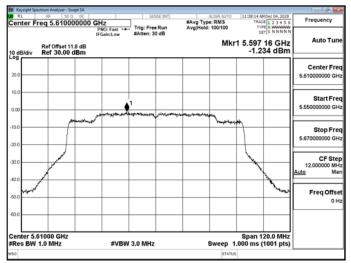
802.11ax_80MHz_CH0_5530MHz-5530



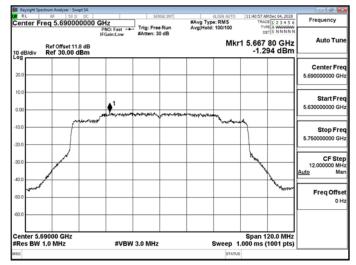
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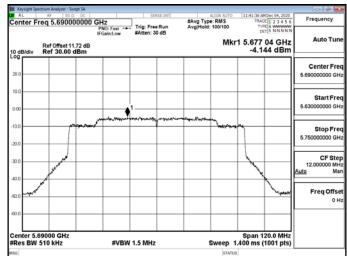
802.11ax_80MHz_CH0_5610MHz-5610



802.11ax_80MHz_CH0_5690MHz_UNII 2C



802.11ax 80MHz CH0 5690MHz UNII 3



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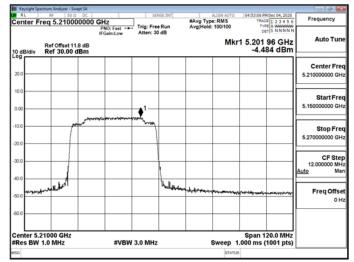
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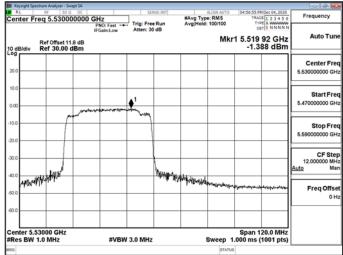
Keysight Spectrum Analyzer - Swept SA				
Center Freg 5.775000000	GHz	#Avg Type: RMS	11:44:03 AM Dec 04, 2020 TRACE 1 2 3 4 5 6	Frequency
Ref Offset 11.72 dB	PNO: Fast Trig: Free Ru IFGain:Low #Atten: 30 dB		5.772 48 GHz -3.891 dBm	Auto Tur
20.0				Center Fre 5.775000000 GH
0.00				Start Fre 5.715000000 GF
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30.0 A MARTIN				CF Ste 12.000000 MH Auto Ma
50.0 market			×~~~*	Freq Offs 0 F
60.0				
Center 5.77500 GHz #Res BW 510 kHz	#VBW 1.5 MHz		Span 120.0 MHz 00 ms (1001 pts)	

802.11ax_80MHz_CH0_5775MHz-5775

802.11ax_80MHz_RU_484_65_CH1_5210MHz-5210



802.11ax 80MHz RU 484 65 CH1 5530MHz RU484 65



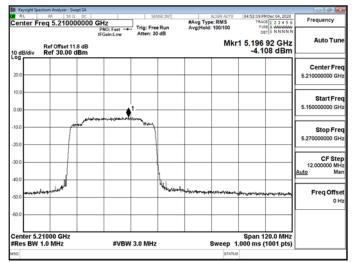
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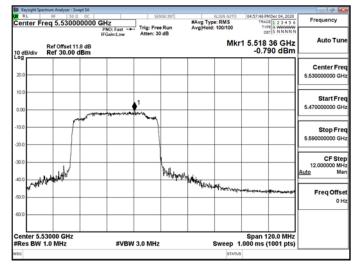
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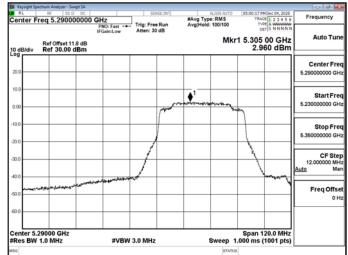
802.11ax_80MHz_RU_484_65_CH0_5210MHz-5210



802.11ax_80MHz_RU_484_65_CH0_5530MHz_RU484_65



802.11ax_80MHz_RU_484_66_CH1_5290MHz_RU484_66



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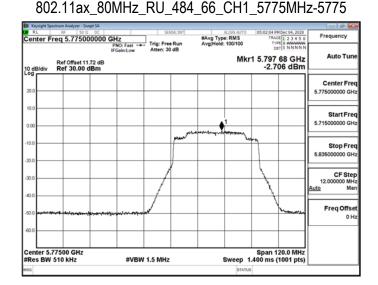
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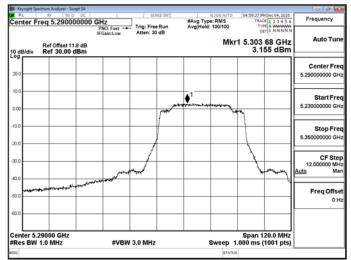
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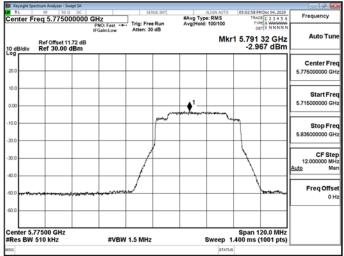
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802.11ax_80MHz_RU_484_66_CH0_5290MHz_RU484_66



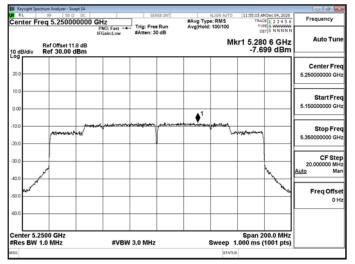
802.11ax_80MHz_RU_484_66_CH0_5775MHz-5775



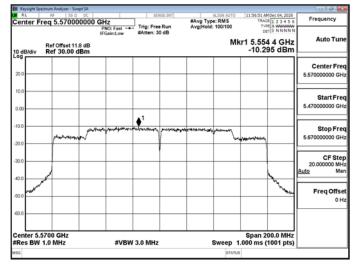
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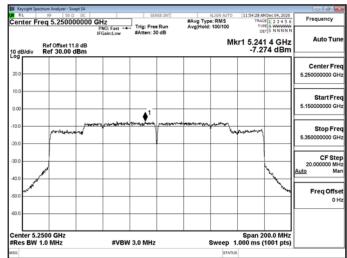
802.11ax_160MHz_CH1_5250MHz



802.11ax_160MHz_CH1_5570MHz-5570



802.11ax 160MHz CH0 5250MHz



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	pectrum Analyzer - Swept SA							
RL Center I	RF 50 Ω DC Freq 5.570000000	O GHz	SENSE:INT	#Avg Type: Avg[Hold: 1		TRAC	HDec 04, 2020 # 1 2 3 4 5 6 # A WWWWW	Frequency
10 dB/div	Ref Offset 11.8 dB Ref 30.00 dBm	IFGain:Low	#Atten: 30 dB	-	Mk	r1 5.54	2 6 GHz 34 dBm	Auto Tune
20.0								Center Freq 5.570000000 GHz
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0.0								CF Step 20.000000 MHz Auto Man
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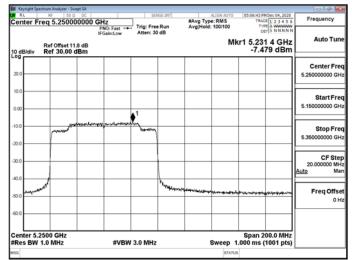
802.11ax_160MHz_CH0_5570MHz-5570

802.11ax_160MHz_RU_996_67_CH1_5250MHz-5250

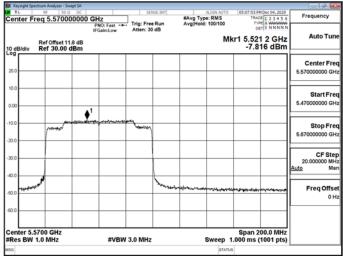
#VBW 3.0 MHz

Span 200.0 MHz Sweep 1.000 ms (1001 pts)

Center 5.5700 GHz #Res BW 1.0 MHz



802.11ax 160MHz RU 996 67 CH1 5570MHz-5570



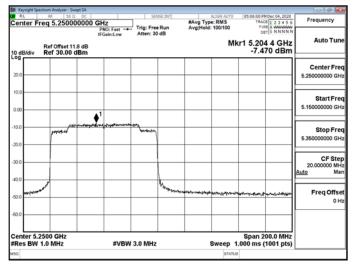
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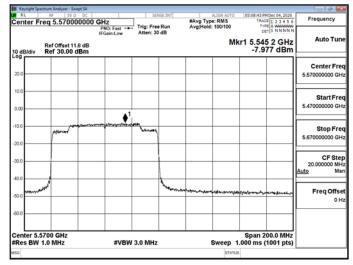
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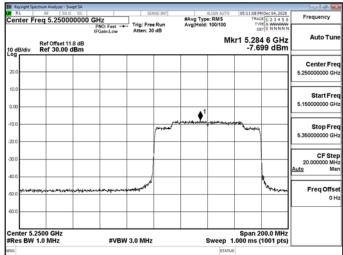
802.11ax_160MHz_RU_996_67_CH0_5250MHz-5250



802.11ax_160MHz_RU_996_67_CH0_5570MHz-5570



802.11ax_160MHz_RU_996_S67_CH1_5250MHz-5250



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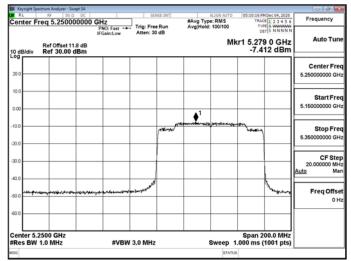
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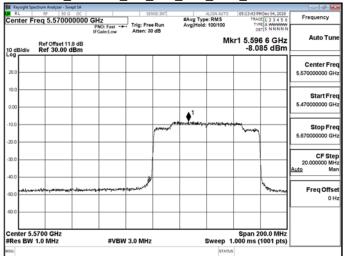
802.11ax_160MHz_RU_996_S67_CH1_5570MHz-5570

	ectrum Analyzer - Swept SA								
RL	RF 50 Ω DC		SET	VSE:INT	#Avg Typ	ALIGN AUTO	05:13:06 Pf	M Dec 04, 2020	Frequency
Center Fi	req 5.57000000	PNO: Fast +++	Trig: Free	Run	#Avg Typ Avg[Hold:		TYP	E 1 2 3 4 5 6	
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	1.0 MHz	#VBW	3.0 MHz			Sweep 1		1001 pts)	
10						STATU	•		L

802.11ax_160MHz_RU_996_S67_CH0_5250MHz-5250



802.11ax_160MHz_RU_996_S67_CH0_5570MHz-5570



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Report No.: E2/2020/70003 Page: 198 of 1308

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11 UNDESIRABLE RADIATED EMISSION MEASUREMENT

11.1 Standard Applicable for Band Edge

The maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

- 1. For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of −27 dBm/MHz.
- 2. For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of −27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at 5 MHz above or below the band edge.

APPLICABLE TO	EIRP LIMIT	FIELD STRENGTH AT 3m
15.407(b)(1) RSS-247 §6.2.1.2 15.407(b)(2) RSS-247 §6.2.2.2 15.407(b)(3) RSS-247 §6.2.3.2	 PK: -27 (dBm/MHz)	PK: 68.2 (dBµV/m)
15.407(b)(4)(i) RSS-247 §6.2.4.2	PK:-27 (dBm/MHz) *1 PK:10 (dBm/MHz) *2 PK:15.6 (dBm/MHz) *3 PK:27 (dBm/MHz) *4	PK: 68.2(dBμV/m) *1 PK:105.2 (dBμV/m) *2 PK: 110.8(dBμV/m) *3 PK:122.2 (dBμV/m) *4

*1 beyond 75 MHz or more above of the bandedge.

*2 below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

*3 below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

*4 from 5 MHz above or below the band edge increasing linearly to a level of 27

dBm/MHz at the band edge.

 $EIRP = ((E^*d)^2) / 30$, where E is the field in V/m, d is the measurement distance (3m), EIRP is the equivalent isotropically radiated power in Watts.

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11.2 Standard Applicable for Spurious Emission

Unwanted spurious emissions which fall in the restricted bands must comply with the radiated emission limits specified as below table:

Frequency (MHz)	Field strength (microvolts/meter)	Distance (meters)
0.009-0.490	2400/F(KHz)	300
0.490-1.705	24000/F(KHz)	30
1.705-30	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Note:

- 1. The lower limit shall apply at the transition frequencies.
- 2. Emission level ($dB\mu V/m$) = 20 log Emission level ($\mu V/m$)

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11.3 **Measurement Equipment Used**

	SGS SAC-III					
EQUIPMENT TYPE	MFR	MODEL NUM- BER	SERIAL NUMBER	LAST CAL.	CAL DUE.	
Broadband Antenna	TESEQ	CBL 6112D	35240	09/09/2019	09/08/2020	
Horn Antenna	Schwarzbeck	BBHA9170	184	12/25/2019	12/24/2020	
Horn Antenna	Schwarzbeck	BBHA9120D	1187	01/10/2020	01/09/2021	
Loop Antenna	ETS.LINDGREN	6502	143303	04/28/2020	04/27/2021	
EMI Test Receiver	R&S	ESU 40	100363	04/29/2020	04/28/2021	
Pre-Amplifier	EMC Instruments	EMC330	980096	11/20/2019	11/19/2020	
Pre-Amplifier	EMC Instruments	EMC0011830	980199	11/20/2019	11/19/2020	
Pre-Amplifier	EMC Instruments	EMC184045B	980135	11/20/2019	11/19/2020	
Attenuator	Woken	WATT-218FS-10	RF25	11/20/2019	11/19/2020	
Band Rejection Filter	Micro-Tronics	G015	RF100	11/20/2019	11/19/2020	
Band Rejection Filter	Micro-Tronics	G016	RF101	11/20/2019	11/19/2020	
Band Rejection Filter	Micro-Tronics	G021	RF102	11/20/2019	11/19/2020	
Coaxial Cable	Huber Suhner	SUCOFLEX 104	MY17388/4	11/20/2019	11/19/2020	
Coaxial Cable	Huber Suhner	RG 214/U	W22.03	11/20/2019	11/19/2020	

Note: The measurement was taken place with the long duration of the time, and additional equipment list as shown blow indicate those equipment of which has been subject to undertake the calibration in intermediate period of time of the measurement.

EQUIPMENT TYPE	MFR	MODEL NUM- BER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Broadband Antenna	TESEQ	CBL 6112D	35240	09/08/2020	09/07/2021

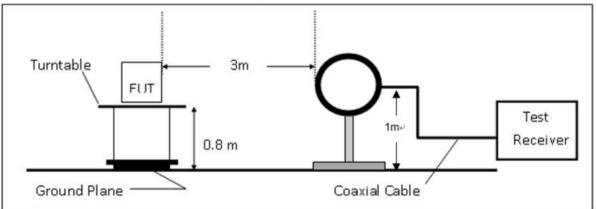
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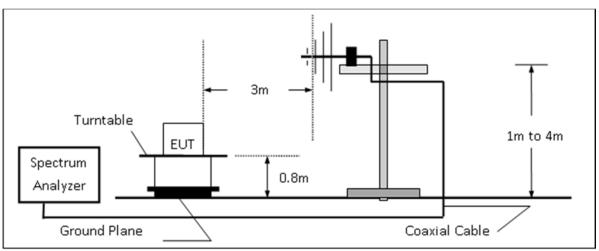


11.4 Test SET-UP

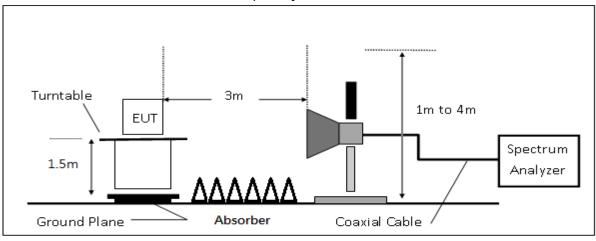




(B) Radiated Emission Test Set-Up, Frequency form 30MHz to 1000MHz



(C) Radiated Emission Test Set-UP Frequency Over 1 GHz



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11.5 Measurement Procedure

- **1.** The EUT was placed on a turn table which is 0.8m above ground plane.
- 2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
- **3.** The EUT was placed on a turn table with 0.8m for frequency< 1GHz and 1.5m for frequency> 1GHz above ground plane.
- **4.** The turn table shall rotate 360 degrees to determine the position of maximum emission level.
- **5.** EUT is set 3m away from the receiving antenna which varied from 1m to 4m to find out the highest emissions.
- **6.** Set the spectrum analyzer as RBW=120 kHz and VBW=300 kHz for Peak Detector (PK) and Quasi-peak (QP) at frequency below 1 GHz.
- At frequency above 1 GHz, Set the spectrum analyzer: Set the spectrum analyzer as RBW=1 MHz, VBW as referring to section 7.1 of this report for Average Detector at frequency above 1 GHz.
- 8. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- **9.** And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- **10.** Repeat above procedures until all frequency measured were complete.

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11.6 Field Strength Calculation

The field strength is calculated by adding the Antenna Factor and Cable Factor and subtracting the Amplifier Gain and Duty Cycle Correction Factor (if any) from the measured reading. The basic equation with a sample calculation is as follows:

FS = RA + AF + CL - AG

Where FS = Field Strength

CL = Cable Attenuation Factor (Cable Loss) AG = Amplifier Gain

AF = Antenna Factor

RA = *Reading Amplitude*

The limit of the emission level is expressed in dBuV/m, which converts 20*log(uV/m)

Actual FS($dB\mu V/m$) = SPA. Reading level($dB\mu V$) + Factor(dB) Factor(dB) = Antenna Factor($dB\mu V/m$) + Cable Loss(dB) – Pre_Amplifier Gain(dB)

11.7 Test Results of Radiated Spurious Emissions form 9 KHz to 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit per 15.31(o) was not reported.

Pre-scanned was done at frequency 5.47 GHz and 5.85 GHz for bandedge measurement of straddle channels 138, 142 and 144 which was 20dB lower than the limit per 15.31(o) & RSS-GEN §6.13.2 was not reported.

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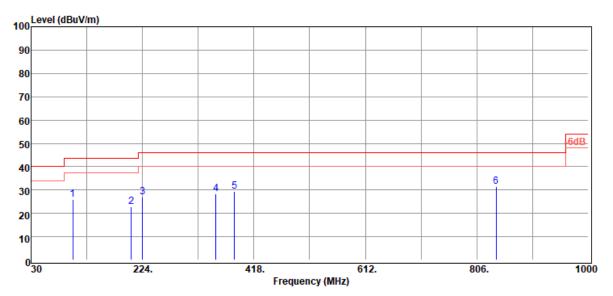


11.8 **Radiated Spurious Emission Measurement Result Below 1GHz Worst-Case**

11.8.1	Mode: Chain 0	
1 1		

Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 1
Test Frequency	:5220 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
102.75	Peak	41.00	-15.14	25.86	43.50	-17.64
204.60	Peak	38.01	-15.02	22.99	43.50	-20.51
224.00	Peak	41.78	-14.66	27.12	46.00	-18.88
352.04	Peak	37.62	-9.22	28.40	46.00	-17.60
384.05	Peak	37.30	-8.03	29.27	46.00	-16.73
839.95	Peak	31.51	0.11	31.62	46.00	-14.38

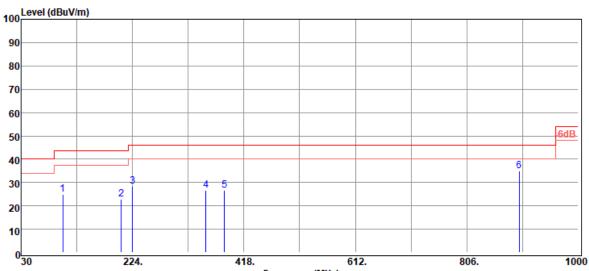
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Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 1
Test Frequency	:5220 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

:966 Chamber C
:2020-08-19
:24.4/58
:HORIZONTAL
:Ashton



Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
102.75	Peak	39.93	-15.14	24.79	43.50	-18.71
204.60	Peak	37.86	-15.02	22.84	43.50	-20.66
224.00	Peak	42.88	-14.66	28.22	46.00	-17.78
352.04	Peak	35.87	-9.22	26.65	46.00	-19.35
384.05	Peak	34.64	-8.03	26.61	46.00	-19.39
897.18	Peak	34.27	0.51	34.78	46.00	-11.22

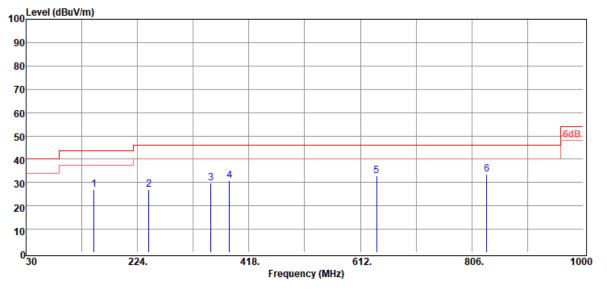
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Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 2
Test Frequency	:5300 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton



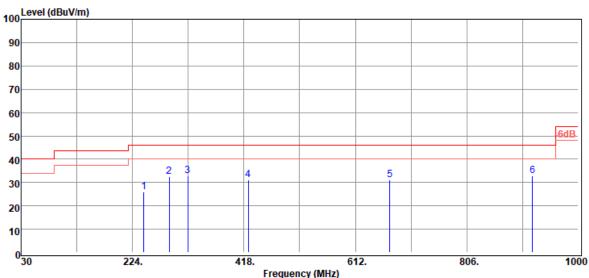
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
148.34	Peak	40.62	-13.73	26.89	43.50	-16.61
243.40	Peak	39.55	-12.46	27.09	46.00	-18.91
352.04	Peak	38.88	-9.22	29.66	46.00	-16.34
384.05	Peak	38.72	-8.03	30.69	46.00	-15.31
640.13	Peak	34.99	-2.04	32.95	46.00	-13.05
832.19	Peak	33.62	0.10	33.72	46.00	-12.28

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Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 2
Test Frequency	:5300 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:HORIZONTAL
Engineer	:Ashton



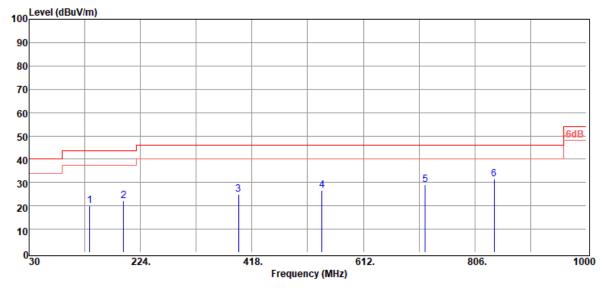
		_
equency	(MHz)	

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
243.40	Peak	38.25	-12.46	25.79	46.00	-20.21
288.02	Peak	43.41	-10.80	32.61	46.00	-13.39
320.03	Peak	42.43	-9.66	32.77	46.00	-13.23
425.76	Peak	37.20	-6.15	31.05	46.00	-14.95
672.14	Peak	33.09	-1.90	31.19	46.00	-14.81
920.46	Peak	31.58	1.27	32.85	46.00	-13.15



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 3
Test Frequency	:5580 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton

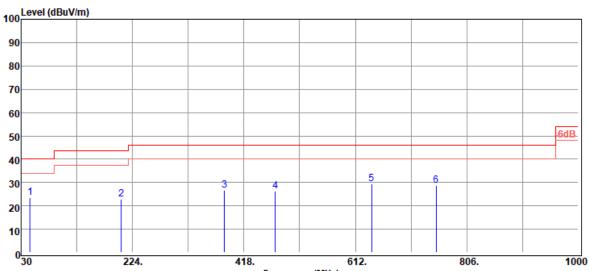


Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
135.73	Peak	33.13	-12.96	20.17	43.50	-23.33
194.90	Peak	37.63	-15.59	22.04	43.50	-21.46
394.72	Peak	32.57	-7.72	24.85	46.00	-21.15
540.22	Peak	30.85	-4.06	26.79	46.00	-19.21
719.67	Peak	31.66	-2.47	29.19	46.00	-16.81
839.95	Peak	31.51	0.11	31.62	46.00	-14.38



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 3
Test Frequency	:5580 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

:966 Chamber C
:2020-08-19
:24.4/58
:HORIZONTAL
:Ashton



Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
45.52	Peak	36.32	-12.74	23.58	40.00	-16.42
204.60	Peak	37.86	-15.02	22.84	43.50	-20.66
384.05	Peak	34.64	-8.03	26.61	46.00	-19.39
472.32	Peak	31.61	-5.36	26.25	46.00	-19.75
640.13	Peak	31.52	-2.04	29.48	46.00	-16.52
752.65	Peak	30.14	-1.57	28.57	46.00	-17.43

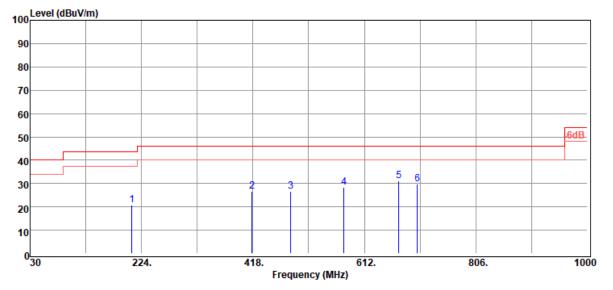
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Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 4
Test Frequency	:5785 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton

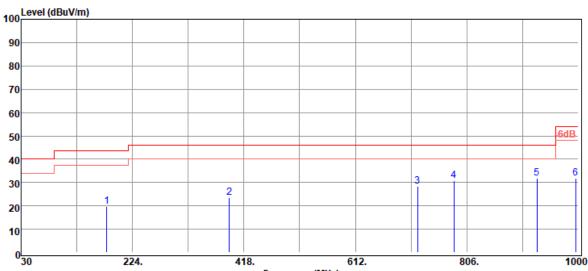


Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
207.51	Peak	35.69	-15.00	20.69	43.50	-22.81
416.06	Peak	33.09	-6.42	26.67	46.00	-19.33
483.96	Peak	31.84	-5.05	26.79	46.00	-19.21
576.11	Peak	31.60	-3.33	28.27	46.00	-17.73
672.14	Peak	33.10	-1.90	31.20	46.00	-14.80
704.15	Peak	32.62	-2.75	29.87	46.00	-16.13



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 4
Test Frequency	:5785 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

:966 Chamber C
:2020-08-19
:24.4/58
:HORIZONTAL
:Ashton



Frequency (MHz)

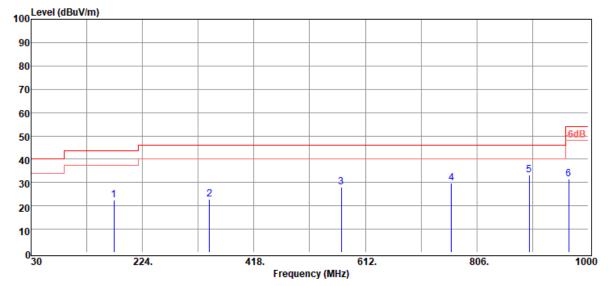
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
179.38	Peak	35.26	-15.53	19.73	43.50	-23.77
392.78	Peak	31.30	-7.75	23.55	46.00	-22.45
720.64	Peak	30.96	-2.43	28.53	46.00	-17.47
783.69	Peak	30.55	0.19	30.74	46.00	-15.26
928.22	Peak	30.61	1.22	31.83	46.00	-14.17
995.15	Peak	30.04	1.68	31.72	54.00	-22.28

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Report Number	:E2/2020/70003
Operation Mode	:802.11ac160 / Band 1
Test Frequency	:5250 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
174.53	Peak	38.08	-15.53	22.55	43.50	-20.95
340.40	Peak	32.23	-9.49	22.74	46.00	-23.26
570.29	Peak	31.32	-3.13	28.19	46.00	-17.81
761.38	Peak	31.03	-1.20	29.83	46.00	-16.17
897.18	Peak	32.64	0.51	33.15	46.00	-12.85
966.05	Peak	30.09	1.28	31.37	54.00	-22.63



Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac160 / Band 1	Test Date	:2020-08-19
Test Frequency	:5250 MHz	Temp./Humi.	:24.4/58
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:Chain 0/Config 1		

100 Level (dBuV/m) 90 80 70 60 6dB 50 40 6 4 5 30 2 1 20 10 0<mark>____</mark> 224. 418. 612. 806. 1000

Frequency (MHz)

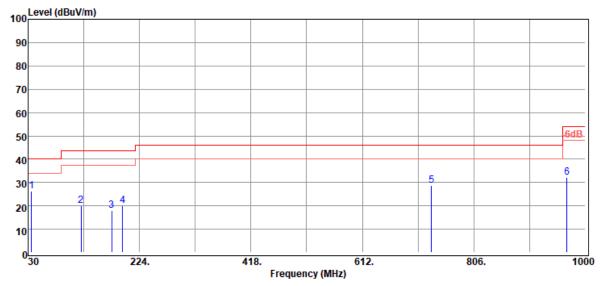
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
341.37	Peak	33.12	-9.50	23.62	46.00	-22.38
403.45	Peak	32.22	-7.27	24.95	46.00	-21.05
608.12	Peak	30.98	-3.07	27.91	46.00	-18.09
794.36	Peak	31.22	0.24	31.46	46.00	-14.54
922.40	Peak	29.93	1.27	31.20	46.00	-14.80
972.84	Peak	30.52	1.49	32.01	54.00	-21.99

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Report Number	:E2/2020/70003
Operation Mode	:802.11ac160 / Band 3
Test Frequency	:5570 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton



Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
35.82	Peak	32.37	-6.15	26.22	40.00	-13.78
122.15	Peak	32.73	-12.83	19.90	43.50	-23.60
175.50	Peak	33.65	-15.52	18.13	43.50	-25.37
194.90	Peak	35.49	-15.59	19.90	43.50	-23.60
732.28	Peak	30.59	-1.99	28.60	46.00	-17.40
967.99	Peak	30.75	1.30	32.05	54.00	-21.95

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Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac160 / Band 3	Test Date	:2020-08-19
Test Frequency	:5570 MHz	Temp./Humi.	:24.4/58
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:Chain 0/Config 1		

100 Level (dBuV/m) 90 80 70 60 6dB 50 40 6 30 2 20 10 0<mark>____</mark> 224. 418. 612. 806. 1000

Frequency	(MU2)
riequency	(191112)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
214.30	Peak	35.30	-15.24	20.06	43.50	-23.44
341.37	Peak	31.76	-9.50	22.26	46.00	-23.74
425.76	Peak	37.20	-6.15	31.05	46.00	-14.95
546.04	Peak	31.18	-3.51	27.67	46.00	-18.33
720.64	Peak	30.96	-2.43	28.53	46.00	-17.47
783.69	Peak	30.55	0.19	30.74	46.00	-15.26

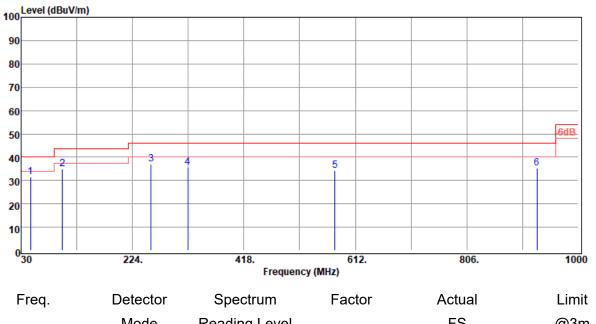
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Margin

11.8.2 Mode: Chain 1

Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11a/ Band 1	Test Date	:2020-07-17
Test Frequency	:5220 MHz	Temp./Humi.	:22.9/52
Test Mode	:TX CH MID	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:Chain 1/Config 1		



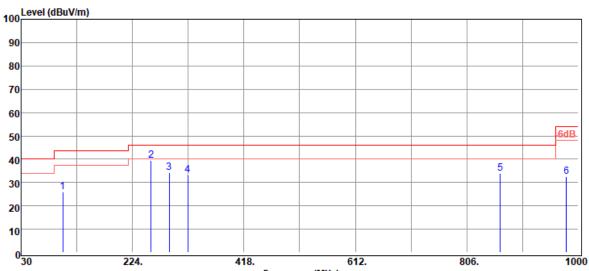
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
46.49	Peak	44.94	-13.41	31.53	40.00	-8.47
101.78	Peak	50.06	-15.21	34.85	43.50	-8.65
256.01	Peak	47.81	-10.80	37.01	46.00	-8.99
320.03	Peak	45.47	-9.66	35.81	46.00	-10.19
576.11	Peak	37.61	-3.33	34.28	46.00	-11.72
928.22	Peak	33.97	1.22	35.19	46.00	-10.81

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Report Number	:E2/2020/70003
Operation Mode	:802.11a/ Band 1
Test Frequency	:5220 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 1/Config 1

:966 Chamber C
:2020-07-17
:22.9/52
:HORIZONTAL
:Ashton



Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
102.75	Peak	40.94	-15.14	25.80	43.50	-17.70
256.01	Peak	50.10	-10.80	39.30	46.00	-6.70
288.02	Peak	45.20	-10.80	34.40	46.00	-11.60
320.03	Peak	43.01	-9.66	33.35	46.00	-12.65
864.20	Peak	34.43	-0.37	34.06	46.00	-11.94
979.63	Peak	30.52	1.86	32.38	54.00	-21.62

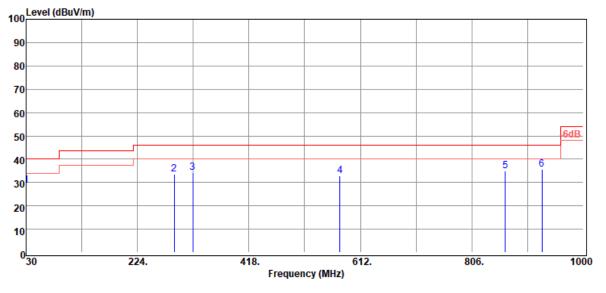
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Report Number	:E2/2020/70003
Operation Mode	:802.11a/ Band 2
Test Frequency	:5300 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 1/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-17
Temp./Humi.	:23.0/52
Antenna Pol.	:VERTICAL
Engineer	:Ashton



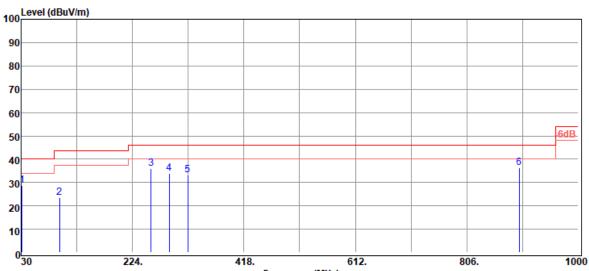
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	Peak	32.12	-3.33	28.79	40.00	-11.21
288.02	Peak	44.50	-10.80	33.70	46.00	-12.30
320.03	Peak	43.76	-9.66	34.10	46.00	-11.90
576.11	Peak	36.21	-3.33	32.88	46.00	-13.12
864.20	Peak	35.19	-0.37	34.82	46.00	-11.18
928.22	Peak	34.46	1.22	35.68	46.00	-10.32

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Report Number	:E2/2020/70003
Operation Mode	:802.11a/ Band 2
Test Frequency	:5300 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 1/Config 1

:966 Chamber C
:2020-07-17
:23.0/52
:HORIZONTAL
:Ashton



Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
31.94	Peak	32.83	-4.26	28.57	40.00	-11.43
96.93	Peak	39.66	-16.13	23.53	43.50	-19.97
256.01	Peak	46.82	-10.80	36.02	46.00	-9.98
288.02	Peak	44.72	-10.80	33.92	46.00	-12.08
320.03	Peak	42.87	-9.66	33.21	46.00	-12.79
897.18	Peak	35.81	0.51	36.32	46.00	-9.68

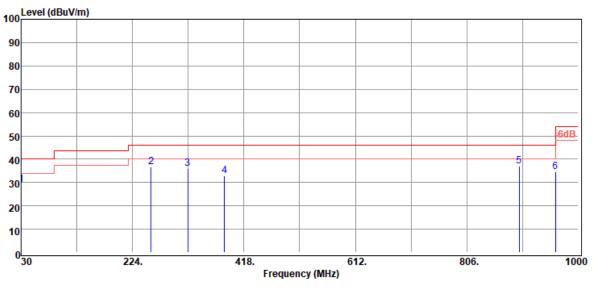
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Report Number	:E2/2020/70003
Operation Mode	:802.11a/ Band 3
Test Frequency	:5580 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 1/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-17
Temp./Humi.	:23.2/53
Antenna Pol.	:VERTICAL
Engineer	:Ashton



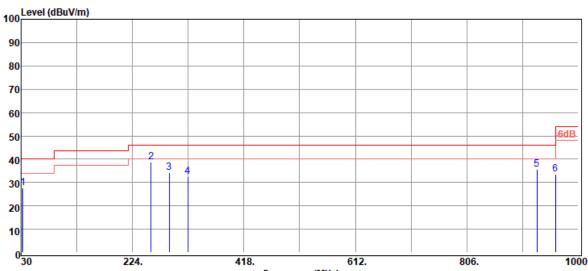
	Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Level		FS	@3m	
_	MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
	30.00	Peak	32.45	-3.33	29.12	40.00	-10.88
	256.01	Peak	47.41	-10.80	36.61	46.00	-9.39
	320.03	Peak	45.57	-9.66	35.91	46.00	-10.09
	384.05	Peak	40.75	-8.03	32.72	46.00	-13.28
	897.18	Peak	36.64	0.51	37.15	46.00	-8.85
	960.23	Peak	33.06	1.48	34.54	54.00	-19.46

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Report Number	:E2/2020/70003			
Operation Mode	:802.11a/ Band 3			
Test Frequency	:5580 MHz			
Test Mode	:TX CH MID			
EUT Pol	:NB Plan			
Ant Path / EUT	:Chain 1/Config 1			

Test Site	:966 Chamber C
Test Date	:2020-07-17
Temp./Humi.	:23.2/53
Antenna Pol.	:HORIZONTAL
Engineer	:Ashton



Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
32.91	Peak	32.78	-4.98	27.80	40.00	-12.20
256.01	Peak	49.46	-10.80	38.66	46.00	-7.34
288.02	Peak	45.08	-10.80	34.28	46.00	-11.72
320.03	Peak	42.35	-9.66	32.69	46.00	-13.31
928.22	Peak	34.33	1.22	35.55	46.00	-10.45
960.23	Peak	32.09	1.48	33.57	54.00	-20.43

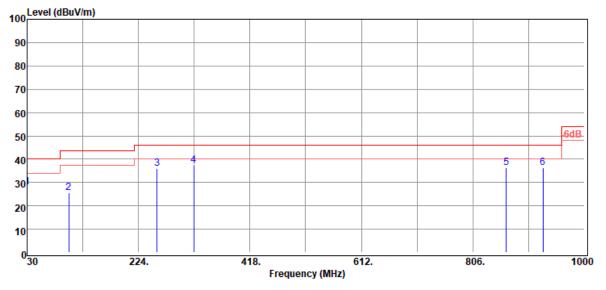
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Report Number	:E2/2020/70003
Operation Mode	:802.11a/ Band 4
Test Frequency	:5785 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 1/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-17
Temp./Humi.	:23.3/54
Antenna Pol.	:VERTICAL
Engineer	:Ashton



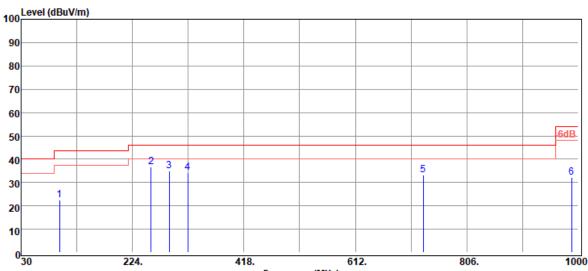
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	Peak	31.50	-3.33	28.17	40.00	-11.83
102.75	Peak	40.82	-15.14	25.68	43.50	-17.82
256.01	Peak	46.68	-10.80	35.88	46.00	-10.12
320.03	Peak	46.93	-9.66	37.27	46.00	-8.73
864.20	Peak	36.70	-0.37	36.33	46.00	-9.67
928.22	Peak	35.09	1.22	36.31	46.00	-9.69

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Report Number	:E2/2020/70003
Operation Mode	:802.11a/ Band 4
Test Frequency	:5785 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 1/Config 1

:966 Chamber C
:2020-07-17
:23.3/54
:HORIZONTAL
:Ashton



Frequency (MHz)

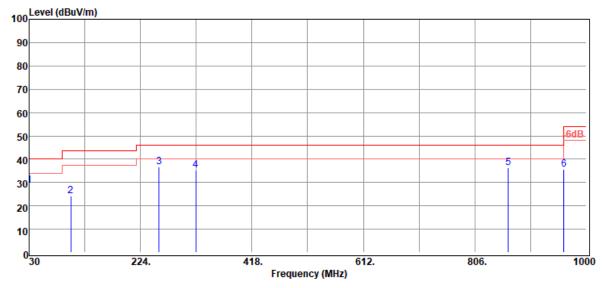
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
96.93	Peak	38.52	-16.13	22.39	43.50	-21.11
256.01	Peak	47.37	-10.80	36.57	46.00	-9.43
288.02	Peak	45.65	-10.80	34.85	46.00	-11.15
320.03	Peak	43.85	-9.66	34.19	46.00	-11.81
730.34	Peak	35.20	-2.05	33.15	46.00	-12.85
988.36	Peak	30.32	1.76	32.08	54.00	-21.92

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Report Number	:E2/2020/70003
Operation Mode	:802.11ac160/ Band 1
Test Frequency	:5250 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 1/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-17
Temp./Humi.	:23.4/53
Antenna Pol.	:VERTICAL
Engineer	:Ashton



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	Peak	31.99	-3.33	28.66	40.00	-11.34
102.75	Peak	39.20	-15.14	24.06	43.50	-19.44
256.01	Peak	47.61	-10.80	36.81	46.00	-9.19
320.03	Peak	45.05	-9.66	35.39	46.00	-10.61
864.20	Peak	36.55	-0.37	36.18	46.00	-9.82
961.20	Peak	34.32	1.44	35.76	54.00	-18.24

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Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac160/ Band 1	Test Date	:2020-07-17
Test Frequency	:5250 MHz	Temp./Humi.	:23.4/53
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:Chain 1/Config 1		

100 Level (dBuV/m) 90 80 70 60 6dB 50 40 6 F 30 2 20 10 0<mark>_____</mark>30 224. 418. 612. 806. 1000

Frequency (MHz)

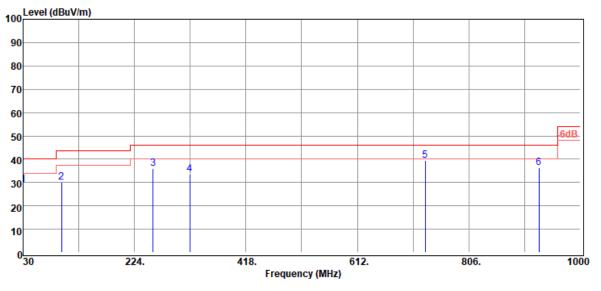
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	Peak	31.44	-3.33	28.11	40.00	-11.89
96.93	Peak	39.98	-16.13	23.85	43.50	-19.65
256.01	Peak	48.37	-10.80	37.57	46.00	-8.43
320.03	Peak	44.42	-9.66	34.76	46.00	-11.24
897.18	Peak	30.87	0.51	31.38	46.00	-14.62
988.36	Peak	30.09	1.76	31.85	54.00	-22.15

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Report Number	:E2/2020/70003
Operation Mode	:802.11ac160/ Band 3
Test Frequency	:5570 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 1/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-17
Temp./Humi.	:23.4/53
Antenna Pol.	:VERTICAL
Engineer	:Ashton



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.00	Peak	32.53	-3.33	29.20	40.00	-10.80
96.93	Peak	46.13	-16.13	30.00	43.50	-13.50
256.01	Peak	46.78	-10.80	35.98	46.00	-10.02
320.03	Peak	43.20	-9.66	33.54	46.00	-12.46
730.34	Peak	41.51	-2.05	39.46	46.00	-6.54
928.22	Peak	35.17	1.22	36.39	46.00	-9.61



Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac160/ Band 3	Test Date	:2020-07-17
Test Frequency	:5570 MHz	Temp./Humi.	:23.4/53
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:Chain 1/Config 1		

100 Level (dBuV/m) 90 80 70 60 6dB 50 o 40 3 6 5 30 20 10 0<mark>_____</mark>30 224. 418. 612. 806. 1000

Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
96.93	Peak	38.69	-16.13	22.56	43.50	-20.94
256.01	Peak	49.39	-10.80	38.59	46.00	-7.41
288.02	Peak	44.56	-10.80	33.76	46.00	-12.24
320.03	Peak	44.03	-9.66	34.37	46.00	-11.63
384.05	Peak	37.98	-8.03	29.95	46.00	-16.05
960.23	Peak	32.77	1.48	34.25	54.00	-19.75

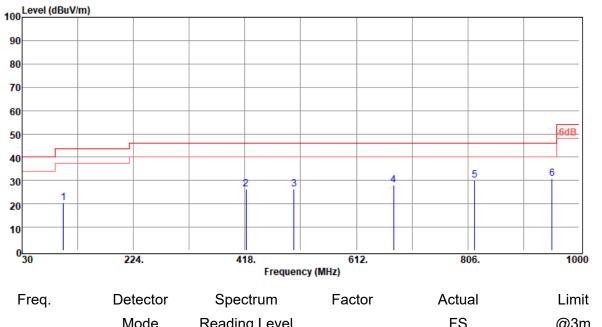
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Margin

11.8.3 Mode: MIMO

E2/2020/70003	Test Site	:966 Chamber C
802.11n20 / Band 1	Test Date	:2020-08-19
5220 MHz	Temp./Humi.	:24.4/58
TX CH MID	Antenna Pol.	:VERTICAL
NB Plan	Engineer	:Ashton
MIMO/Config 1		
	802.11n20 / Band 1 5220 MHz TX CH MID NB Plan	B02.11n20 / Band 1Test Date5220 MHzTemp./Humi.TX CH MIDAntenna Pol.NB PlanEngineer



<u>.</u>						0
	Mode	Reading Level		FS	@3m	
 MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
101.78	Peak	35.47	-15.21	20.26	43.50	-23.24
419.94	Peak	32.52	-6.31	26.21	46.00	-19.79
503.36	Peak	31.35	-5.06	26.29	46.00	-19.71
676.99	Peak	30.18	-2.09	28.09	46.00	-17.91
817.64	Peak	30.06	-0.03	30.03	46.00	-15.97
952.47	Peak	29.56	1.37	30.93	46.00	-15.07

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Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11n20 / Band 1	Test Date	:2020-08-19
Test Frequency	:5220 MHz	Temp./Humi.	:24.4/58
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:MIMO/Config 1		

100 Level (dBuV/m) 90 80 70 60 6dB 50 40 6 5 30 2 20 10 0<mark>____</mark> 224. 418. 612. 806. 1000

Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
84.32	Peak	33.75	-17.67	16.08	40.00	-23.92
175.50	Peak	36.64	-15.52	21.12	43.50	-22.38
224.00	Peak	42.88	-14.66	28.22	46.00	-17.78
243.40	Peak	40.62	-12.46	28.16	46.00	-17.84
830.25	Peak	29.85	0.10	29.95	46.00	-16.05
972.84	Peak	30.52	1.49	32.01	54.00	-21.99

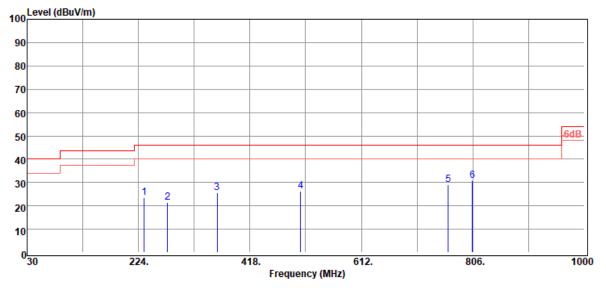
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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 2
Test Frequency	:5300 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:MIMO/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton



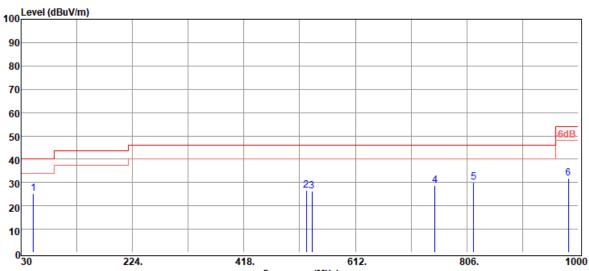
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
233.70	Peak	37.24	-13.70	23.54	46.00	-22.46
274.44	Peak	32.48	-11.10	21.38	46.00	-24.62
360.77	Peak	34.55	-8.83	25.72	46.00	-20.28
506.27	Peak	31.23	-5.00	26.23	46.00	-19.77
763.32	Peak	30.21	-1.04	29.17	46.00	-16.83
805.03	Peak	30.78	0.10	30.88	46.00	-15.12

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Report Number	:E2/2020/70003	Test Site
Operation Mode	:802.11n20 / Band 2	Test Date
Test Frequency	:5300 MHz	Temp./Hum
Test Mode	:TX CH MID	Antenna Po
EUT Pol	:NB Plan	Engineer
Ant Path / EUT	:MIMO/Config 1	

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:HORIZONTAL
Engineer	:Ashton



Frequency (MHz)

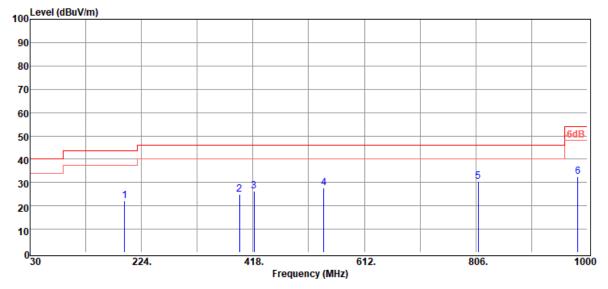
Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
51.34	Peak	42.53	-17.43	25.10	40.00	-14.90
526.64	Peak	31.24	-4.77	26.47	46.00	-19.53
536.34	Peak	30.75	-4.32	26.43	46.00	-19.57
750.71	Peak	30.28	-1.66	28.62	46.00	-17.38
817.64	Peak	30.31	-0.03	30.28	46.00	-15.72
982.54	Peak	30.00	1.82	31.82	54.00	-22.18

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 3
Test Frequency	:5580 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:MIMO/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton

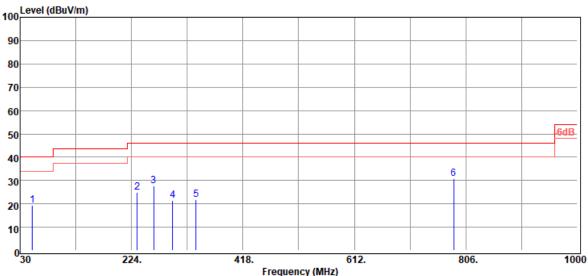


Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
194.90	Peak	37.63	-15.59	22.04	43.50	-21.46
394.72	Peak	32.57	-7.72	24.85	46.00	-21.15
419.94	Peak	32.52	-6.31	26.21	46.00	-19.79
541.19	Peak	31.51	-3.96	27.55	46.00	-18.45
809.88	Peak	30.18	0.14	30.32	46.00	-15.68
983.51	Peak	30.62	1.80	32.42	54.00	-21.58



Report Number	:E2/2020/70003	Test Site	:966
Operation Mode	:802.11n20 / Band 3	Test Date	:202
Test Frequency	:5580 MHz	Temp./Humi.	:24.4
Test Mode	:TX CH MID	Antenna Pol.	:HOF
EUT Pol	:NB Plan	Engineer	:Ash
Ant Path / EUT	:MIMO/Config 1		

6 Chamber C 20-08-19 .4/58 RIZONTAL hton



equency	(MHZ)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
51.34	Peak	36.93	-17.43	19.50	40.00	-20.50
233.70	Peak	38.64	-13.70	24.94	46.00	-21.06
262.80	Peak	38.33	-10.59	27.74	46.00	-18.26
295.78	Peak	31.98	-10.64	21.34	46.00	-24.66
336.52	Peak	31.46	-9.50	21.96	46.00	-24.04
784.66	Peak	30.70	0.21	30.91	46.00	-15.09

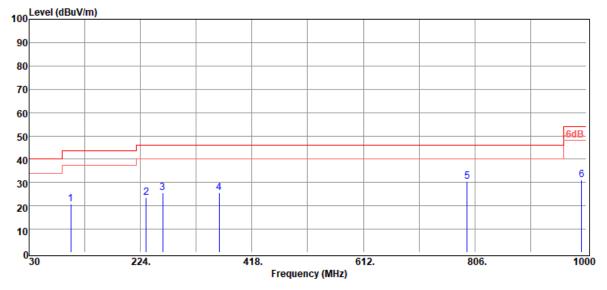
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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 4
Test Frequency	:5785 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:MIMO/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-19
Temp./Humi.	:24.4/58
Antenna Pol.	:VERTICAL
Engineer	:Ashton



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
102.75	Peak	35.93	-15.14	20.79	43.50	-22.71
233.70	Peak	37.24	-13.70	23.54	46.00	-22.46
262.80	Peak	36.09	-10.59	25.50	46.00	-20.50
360.77	Peak	34.55	-8.83	25.72	46.00	-20.28
792.42	Peak	30.30	0.24	30.54	46.00	-15.46
992.24	Peak	29.59	1.72	31.31	54.00	-22.69

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Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11n20 / Band 4	Test Date	:2020-08-19
Test Frequency	:5785 MHz	Temp./Humi.	:24.4/58
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:MIMO/Config 1		

100 Level (dBuV/m) 90 80 70 60 6dB 50 40 6 30 20 10 0<mark>____</mark>30 224. 418. 612. 806. 1000

Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
31.94	Peak	32.59	-4.26	28.33	40.00	-11.67
224.00	Peak	37.05	-14.66	22.39	46.00	-23.61
243.40	Peak	38.25	-12.46	25.79	46.00	-20.21
262.80	Peak	36.89	-10.59	26.30	46.00	-19.70
600.36	Peak	31.81	-3.31	28.50	46.00	-17.50
992.24	Peak	29.91	1.72	31.63	54.00	-22.37

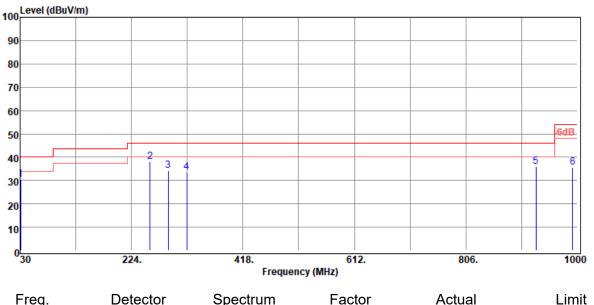
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:E2/2020/70003
:802.11ac160/ Band 1
:5250 MHz
:TX CH LOW
:NB Plan
:MIMO/Config 1

Test Site	:966 Chamber C
Test Date	:2020-08-01
Temp./Humi.	:24.2/57
Antenna Pol.	:VERTICAL
Engineer	:Ashton



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.97	Peak	34.19	-3.89	30.30	40.00	-9.70
256.01	Peak	48.95	-10.80	38.15	46.00	-7.85
288.02	Peak	45.15	-10.80	34.35	46.00	-11.65
320.03	Peak	43.33	-9.66	33.67	46.00	-12.33
928.22	Peak	34.75	1.22	35.97	46.00	-10.03
992.24	Peak	34.07	1.72	35.79	54.00	-18.21



Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac160/ Band 1	Test Date	:2020-08-01
Test Frequency	:5250 MHz	Temp./Humi.	:24.2/57
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:MIMO/Config 1		

100 Level (dBuV/m) 90 80 70 60 6dB 50 5 40 3 6 30 20 10 0<mark>____</mark>30 224. 418. 612. 806. 1000

Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.97	Peak	32.20	-3.89	28.31	40.00	-11.69
256.01	Peak	47.48	-10.80	36.68	46.00	-9.32
288.02	Peak	44.76	-10.80	33.96	46.00	-12.04
320.03	Peak	42.43	-9.66	32.77	46.00	-13.23
928.22	Peak	37.78	1.22	39.00	46.00	-7.00
992.24	Peak	32.60	1.72	34.32	54.00	-19.68

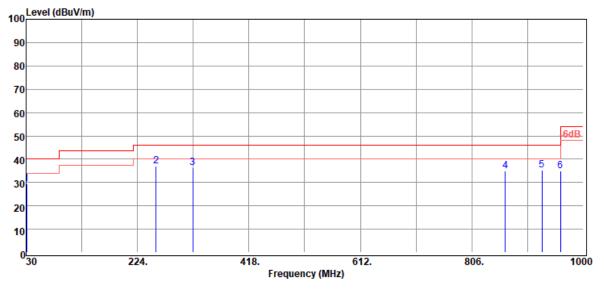
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Report Number	:E2/2020/70003	Tes
Operation Mode	:802.11ac160/ Band 3	Tes
Test Frequency	:5570 MHz	Ten
Test Mode	:TX CH LOW	Ant
EUT Pol	:NB Plan	Eng
Ant Path / EUT	:MIMO/Config 1	

Test Site	:966 Chamber C
Test Date	:2020-08-01
Temp./Humi.	:24.2/57
Antenna Pol.	:VERTICAL
Engineer	:Ashton



Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
30.97	Peak	33.41	-3.89	29.52	40.00	-10.48
256.01	Peak	47.94	-10.80	37.14	46.00	-8.86
320.03	Peak	46.16	-9.66	36.50	46.00	-9.50
864.20	Peak	35.28	-0.37	34.91	46.00	-11.09
928.22	Peak	34.17	1.22	35.39	46.00	-10.61
960.23	Peak	33.46	1.48	34.94	54.00	-19.06



Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac160/ Band 3	Test Date	:2020-08-01
Test Frequency	:5570 MHz	Temp./Humi.	:24.2/57
Test Mode	:TX CH LOW	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:MIMO/Config 1		

100 Level (dBuV/m) 90 80 70 60 6dB 50 40 Δ 30 2 20 10 0<mark>____</mark>30 224. 418. 612. 806. 1000

Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
39.70	Peak	40.91	-8.58	32.33	40.00	-7.67
101.78	Peak	38.58	-15.21	23.37	43.50	-20.13
256.01	Peak	47.70	-10.80	36.90	46.00	-9.10
832.19	Peak	33.78	0.10	33.88	46.00	-12.12
864.20	Peak	37.45	-0.37	37.08	46.00	-8.92
897.18	Peak	34.27	0.51	34.78	46.00	-11.22

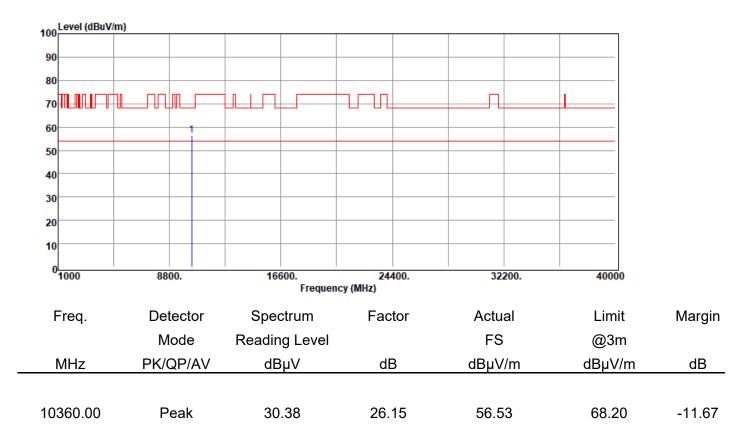
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11.9 Above 1GHz Worst-Case Data:

Mode: Chain 0 11.9.1

Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11a / Band 1	Test Date	:2020-07-23
Test Frequency	:5180 MHz	Temp./Humi.	:23.2/64
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Enzo
Ant Path / EUT	:Chain 0/Config 1		



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. E0/000/70002

Report Number

10360.00

·966 Chamber C

Operation Mode Test Frequency Test Mode EUT Pol	:802.11a / Ban :5180 MHz :TX CH LOW :NB Plan	ld 1		Test Date Temp./Humi. Antenna Pol. Engineer	:2020-07-2 :23.2/64 :HORIZON :Enzo		
Ant Path / EUT	:Chain 0/Confi	g 1		Ligitool	.Enzo		
100 Level (dBuV/m)							
90							
80							
60 50							
40							
30							
20							
10							
0 <mark>1000</mark>	8800.	16600. Frequend	24400. cy (MHz)	32200.	40000)	
Freq.	Detector	Spectrum	Factor	Actual		Limit	Margin
	Mode F	Reading Level		FS	(@3m	
MHz F	PK/QP/AV	dBµV	dB	dBµV/m	dE	3µV/m	dB

26.15

56.53

68.20

-11.67

Test Site

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

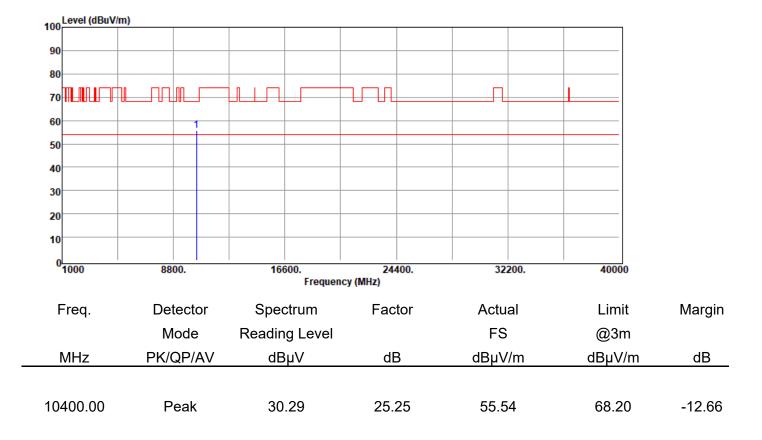
30.38

Peak



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 1
Test Frequency	:5200 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo



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Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/700 :802.11a / Ba :5200 MHz :TX CH MID :NB Plan :Chain 0/Con	nd 1		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chambe :2020-07-23 :23.2/64 :HORIZONTA :Enzo	
100 Level (dBuV/m)						
90						
60	1					
50 40						
30						
20						
10						
0	8800.	16600.	24400.	32200.	40000	
1000			ncy (MHz)	52200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Lim	it Margin
	Mode	Reading Leve		FS	@3r	n

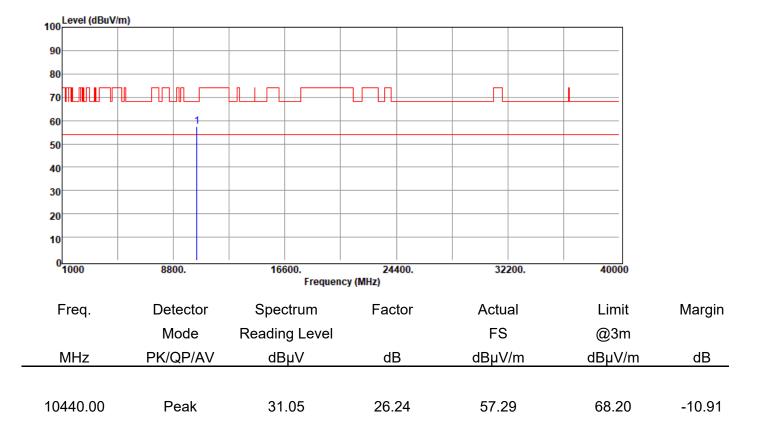
PK/QP/AV dB MHz dBµV dBµV/m dBµV/m dB 68.20 10400.00 29.89 25.25 55.14 -13.06 Peak

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 1
Test Frequency	:5220 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo



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·E2/2020/70002

Report Number

10440.00

:966 Chamber C

Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70003 :802.11a / Band :5220 MHz :TX CH MID :NB Plan :Chain 0/Config	1		Test Date Temp./Humi. Antenna Pol. Engineer	:2020-07-24 :24.5/52 :HORIZONTAL :Enzo	
100 90 80						
70 11 11 11 11 11 11 11 11 11 11 11 11 11						
40 30 20						
10 0 1000	8800.	16600. Frequence	24400. cy (MHz)	32200.	40000	
Freq.		Spectrum eading Level	Factor	Actual FS	Limit @3m	6
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/ı	

26.24

58.01

68.20

-10.19

Test Site

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

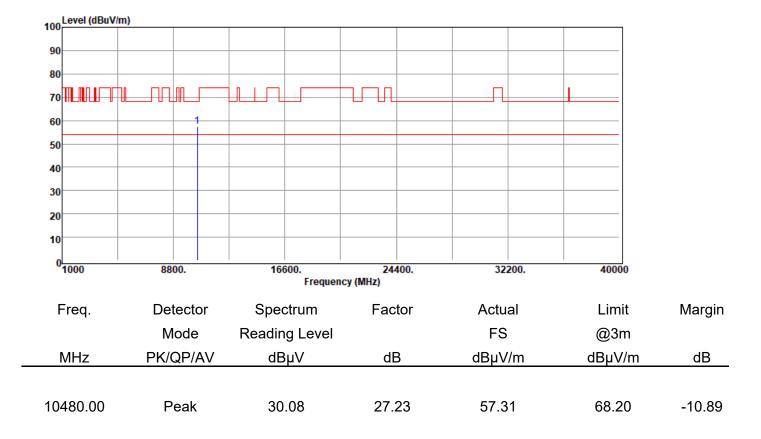
31.77

Peak



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 1
Test Frequency	:5240 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo



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·E2/2020/70002

Report Number

10480.00

:966 Chamber C

peration Mode est Frequency est Mode JT Pol nt Path / EUT	:E2/2020/7 :802.11a / :5240 MHz :TX CH Hlt :NB Plan :Chain 0/C	Band 1 <u>-</u> GH		Test Date Temp./Humi. Antenna Pol. Engineer	:2020-07-23 :23.2/64 :HORIZONTAL :Enzo	
100 Level (dBuV/m)						
90						
80						
60	1					
50						
40						
30 20						
10						
0	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Leve	I	FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	n dBµV/m	dB

27.23

57.49

68.20

-10.71

Test Site

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

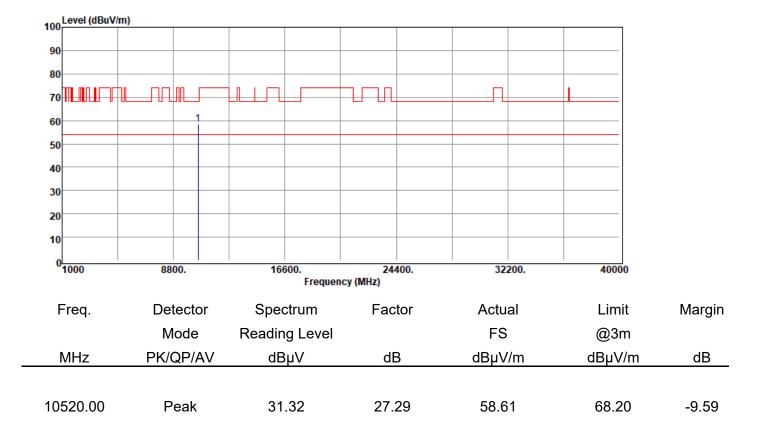
30.26

Peak



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 2
Test Frequency	:5260 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo



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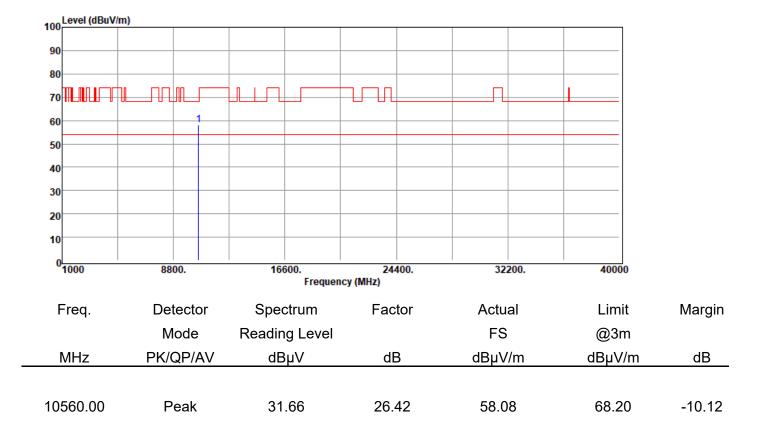
Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/7 :802.11a / :5260 MHz :TX CH LC :NB Plan :Chain 0/C	Band 2 z)W		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chamber C :2020-07-24 :24.5/52 :HORIZONTAL :Enzo	
100 Level (dBuV/m) 90 80 70						
60 50 40 30 20						
10 0 1000	8800.	16600. Frequer	24400. acy (MHz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Leve	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10520.00	Peak	31.81	27.29	59.10	68.20	-9.10

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 2
Test Frequency	:5280 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo



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10560.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/ [*] :802.11a / :5280 MH: :TX CH M :NB Plan :Chain 0/0	Band 2 z ID		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chamb :2020-07-24 :24.5/52 :HORIZONT :Enzo	
100 Level (dBuV/m)						
90						
80						
70				_ <u></u>	 	
60	1					
50						
40						
30						
20						
0		40000	24400			
1000	8800.	16600. Frequer	24400. ncy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Lir	mit Margin
	Mode	Reading Leve	ł	FS	@3	3m
MHz	PK/QP/AV	dBµV	dB	dBµV/m	າ dBµ	IV/m dB

26.42

58.15

68.20

-10.05

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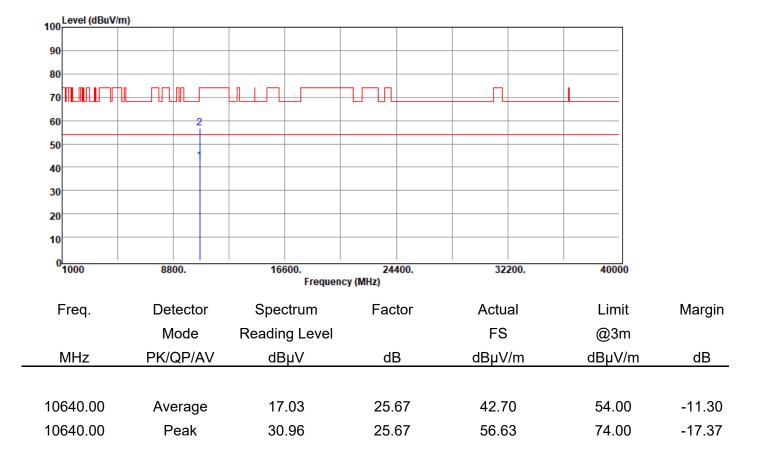
31.73

Peak



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 2
Test Frequency	:5320 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo



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:E2/2020/70003

Report Number

:966 Chamber C

Test Fr Test M EUT P		:802.11a :5320 MH :TX CH H :NB Plan :Chain 0/0	łz IIGH		Test Date Temp./Hum Antenna Po Engineer	ni. :24.8	RIZONTAL	
100	evel (dBuV/m)							
90								
80								
70			┶╢╾┷┙┝╼		₽			
60		2						
50								
40								
30								
20								
10								
0 <u></u> 1	000	8800.	16600. Freque	24400. ncy (MHz)	3220	0.	40000	
F	req.	Detector	Spectrum	Factor	Ac	tual	Limit	Margin
		Mode	Reading Leve	el	F	S	@3m	
N	ЛНz	PK/QP/AV	dBµV	dB	dBµ	ıV/m	dBµV/m	dB
106	640.00	Average	17.01	25.67	42	.68	54.00	-11.32
106	640.00	Peak	31.35	25.67	57	.02	74.00	-16.98

Test Site

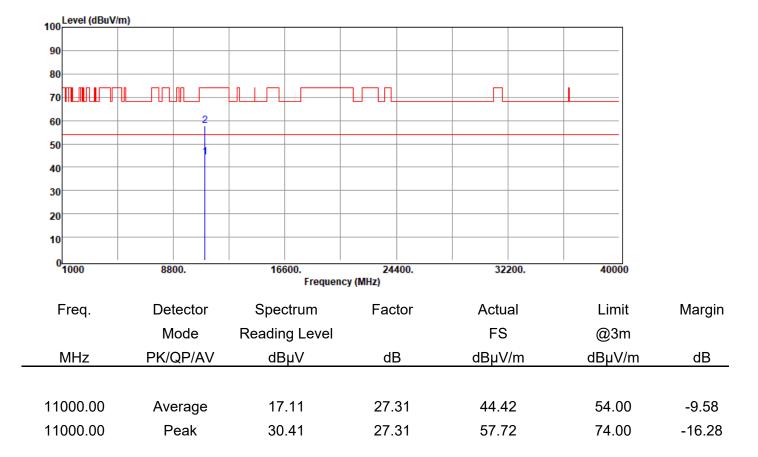
Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

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Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 3
Test Frequency	:5500 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo



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MHz

11000.00

11000.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/ :802.11a / :5500 MH: :TX CH L0 :NB Plan :Chain 0/0	Band 3 z OW		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Cham :2020-07-2 :23.2/64 :HORIZON :Enzo	23	
100 Level (dBuV/m)							
90							
80							
70				Ω			
60	2						
50	1						
40							
30							
20							
10							
⁰ 1000	8800.	16600. Frequer	24400. icy (MHz)	32200.	40000)	
Freq.	Detector	Spectrum	Factor	Actual	L	_imit	Margin
	Mode	Reading Leve	1	FS	(@3m	

dB

27.31

27.31

dBµV/m

44.36

58.10

dBµV/m

54.00

74.00

dB

-9.64

-15.90

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dBµV

17.05

30.79

PK/QP/AV

Average

Peak



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 3
Test Frequency	:5580 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo



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. E0/000/70002

Report Number

·966 Chamber C

Freq	Detector	Spectrum	Factor	Actual	Limit
0 <mark>1000</mark>	8800.	16600. Frequer	24400. ncy (MHz)	32200.	4000
10					
20					
30					
40					
50					
60	2				
70					
80					
90					
100 Level (dBuV/m)					
Falli / EUT	:Chain 0/Co	illig i			
Path / EUT		nfia 1	Ligineer	.LIIZO	
r Pol	:NB Plan		Engineer	:Enzo	
t Mode	:TX CH MID	1	Antenna Pol.		
t Frequency	:5580 MHz	Temp./Humi.	:24.5/52		
eration Mode	:802.11a / B	Test Date	:2020-07-24		
	:E2/2020/70	003	lest Sile	.900 Chamber (

Test Site

Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11160.00	Average	17.09	27.45	44.54	54.00	-9.46
11160.00	Peak	32.91	27.45	60.36	74.00	-13.64

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 3
Test Frequency	:5700 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





:E2/2020/70003

Report Number

11400.00

:966 Chamber C

Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:802.11a / :5700 MHz :TX CH HIG :NB Plan :Chain 0/C	Band 3 GH		Test Date Temp./Humi. Antenna Pol. Engineer	:2020-07-23 :23.2/64 :HORIZONTAL :Enzo	
100 Level (dBuV/m) 90 80 70 10 50 40 30 20 10						
0 1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector Mode	Spectrum Reading Leve		Actual FS	Limit @3m dBu)//m	Margin
<u>MHz</u> 11400.00	PK/QP/AV Average	<u>d</u> ΒμV 17.08	dB 26.54	<u>dBµV/m</u> 43.62	<u>dBμV/m</u> 54.00	dB -10.38

Test Site

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

32.16

Peak

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26.54

58.70

74.00

-15.30



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 3-4
Test Frequency	:5720 MHz
Test Mode	:TX CH 144
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





0<mark>1000</mark>

Freq.

MHz

11440.00

11440.00

8800.

Detector

Mode

PK/QP/AV

Average

Peak

40000

Limit

@3m

dBµV/m

54.00

74.00

Margin

dB

-9.91

-14.26

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70003 :802.11a / Band 3-4 :5720 MHz :TX CH 144 :NB Plan :Chain 0/Config 1	Test Site Test Date Temp./Hun Antenna P Engineer	23
90 80 70			
50			
40			
30 20			
10			

24400.

Factor

dB

26.94

26.94

Frequency (MHz)

32200.

Actual

FS

dBµV/m

44.09

59.74

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16600.

Spectrum

Reading Level

dBµV

17.15

32.80

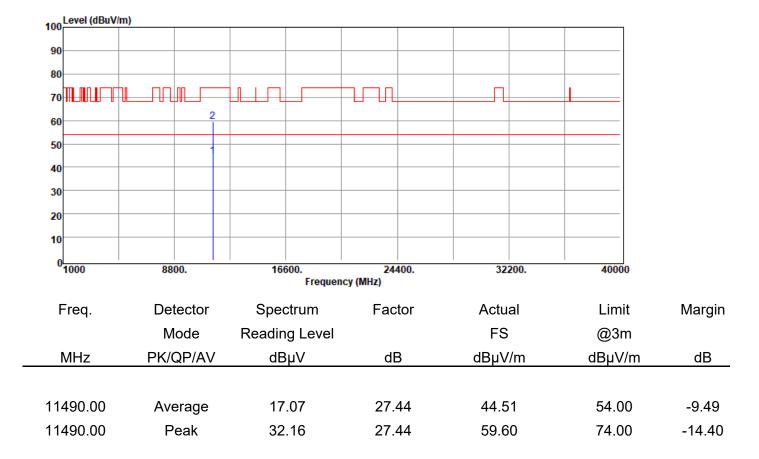
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Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 4
Test Frequency	:5745 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





·F2/2020/70003

Report Number

:966 Chamber C

Operat Test Fr Test M EUT P Ant Pa	ol th / EUT	:E2/2020 :802.11a :5745 MH :TX CH L :NB Plan :Chain 0/	/ Band 4 I z OW		Test Date Temp./Humi. Antenna Pol. Engineer	:2020-07-24 :24.5/52 :HORIZONTAL :Enzo	
100	.evel (dBuV/m)						
90-							
80-							
						1	
60							
- F							
50		1					
40							
30							
20							
10							
0_ 1	000	8800.	16600. Frequ	24400. Jency (MHz)	32200.	40000	
F	req.	Detector	Spectrum	Factor	Actual	Limit	Margin
		Mode	Reading Lev	/el	FS	@3m	
N	MHz	PK/QP/AV	dBµV	dB	dBµV/m	n dBµV/m	dB
114	490.00	Average	17.11	27.44	44.55	54.00	-9.45

27.44

59.67

74.00

-14.33

Test Site

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

32.23

Peak

11490.00

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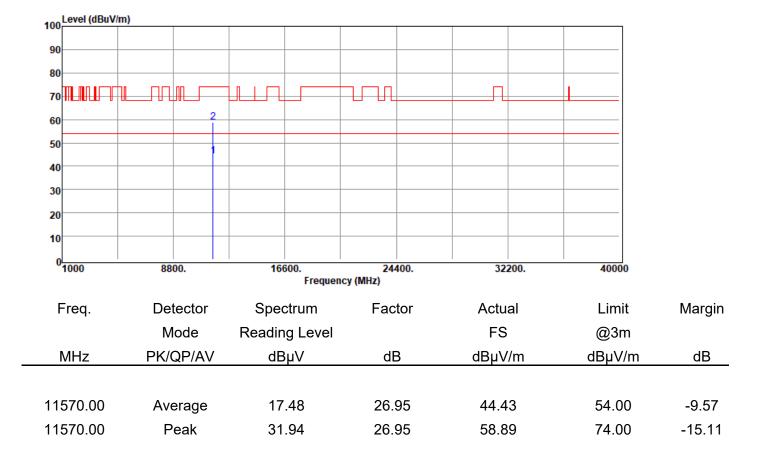
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Member of SGS Group



Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 4
Test Frequency	:5785 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-11
Temp./Humi.	:22.6/54
Antenna Pol.	:VERTICAL
Engineer	:Enzo





0 1000

Freq.

MHz

11570.00

11570.00

8800.

Detector

Mode

PK/QP/AV

Average

Peak

Report Number Operation Mode Test Frequency Test Mode	:E2/2020/70003 :802.11a / Band 4 :5785 MHz :TX CH MID	Test Site Test Date Temp./Hu Antenna F	mi. :22.6/54	11
EUT Pol	:NB Plan	Engineer	:Enzo	
Ant Path / EUT	:Chain 0/Config 1			
100 Level (dBuV/m) 90				
70	╧╫╫╢╧╴╞╢╧╪╕╶			
60	2			
50				
40				
30				
20				
10				

24400.

Factor

dB

26.95

26.95

Frequency (MHz)

32200.

Actual

FS

dBµV/m

44.47

58.50

40000

Limit

@3m

dBµV/m

54.00

74.00

Margin

dB

-9.53

-15.50

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

16600.

Spectrum

Reading Level

dBµV

17.52

31.55

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Report Number	:E2/2020/70003
Operation Mode	:802.11a / Band 4
Test Frequency	:5825 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





11650.00

11650.00

Average

Peak

Operation Mode:80Test Frequency:58Test Mode:TEUT Pol:N	2/2020/70003 02.11a / Band 4 825 MHz X CH HIGH IB Plan Chain 0/Config 1		-	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chan :2020-07-2 :24.5/52 :HORIZON :Enzo	24	
100 Level (dBuV/m)							
90							
80							
70					I		
60	2						
50	1						
40							
30							
20							
0 <mark>1000 880</mark>	00. 166	600. Frequency (Mł	24400. Iz)	32200.	4000	0	
Freq. De	etector Sp	ectrum	Factor	Actual		Limit	Margin
Ν	Mode Read	ing Level		FS	(@3m	
MHz PK/	/QP/AV d	lBμV	dB	dBµV/m	ı dl	BµV/m	dB

27.38

27.38

44.58

60.12

54.00

74.00

-9.42

-13.88

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17.20

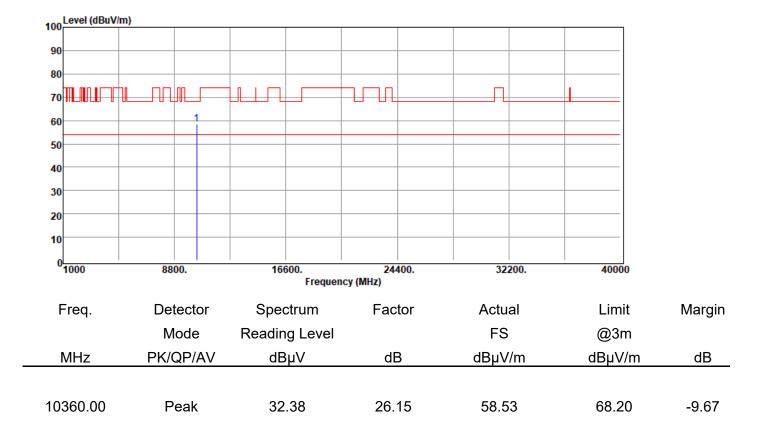
32.74

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 1
Test Frequency	:5180 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





10360.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70 :802.11n20 :5180 MHz :TX CH LO\ :NB Plan :Chain 0/Co	/ Band 1 W		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chan :2020-07-2 :23.2/64 :HORIZON :Enzo	23
100 Level (dBuV/m)						
90						
60						
50						
40						
30						
20						
10						
0 ¹ 1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000)
Freq.	Detector	Spectrum	Factor	Actua	al l	_imit Margin
	Mode	Reading Leve	I	FS	(@3m
MHz	PK/QP/AV	dBµV	dB	dBµV/	m dE	3μV/m dB

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32.23

Peak

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26.15

58.38

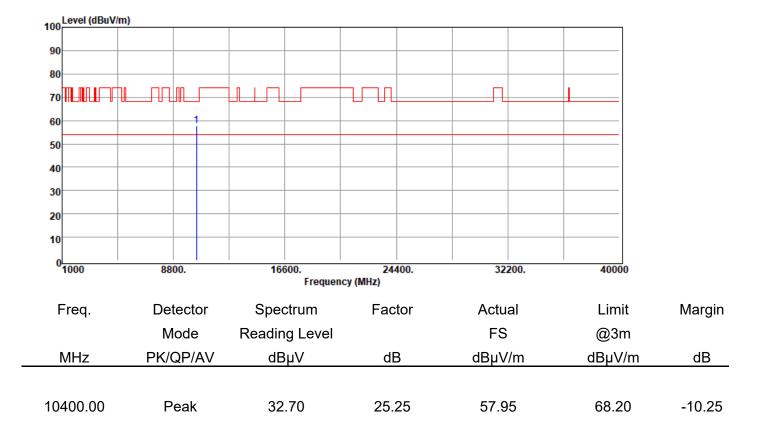
68.20

-9.82



Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 1
Test Frequency	:5200 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/7000 :802.11n20 / E :5200 MHz :TX CH MID :NB Plan :Chain 0/Conf	3and 1		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Char :2020-07- :23.2/64 :HORIZOI :Enzo	23
100 Level (dBuV/m)						
90						
80						
60	1					
50						
40						
30						
20						
10						
0 1000	8800.	16600. Frequen	24400. Icy (MHz)	32200.	4000	0
Freq.	Detector	Spectrum	Factor	Actua	al	Limit Margin
	Mode	Reading Leve	1	FS		@3m

dB

25.25

dBµV/m

58.05

dBµV/m

68.20

dB

-10.15

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dBµV

32.80

PK/QP/AV

Peak

MHz

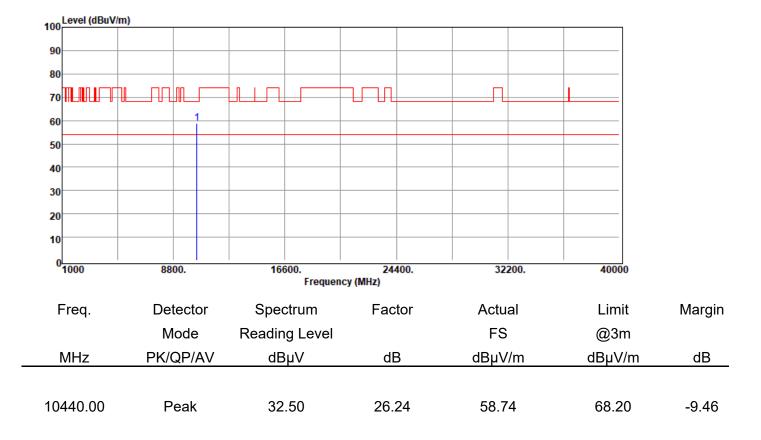
10400.00

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 1
Test Frequency	:5220 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





10440.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70 :802.11n20 / :5220 MHz :TX CH MID :NB Plan :Chain 0/Cor	/ Band 1		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chambe :2020-07-24 :24.5/52 :HORIZONTA :Enzo	
100 Level (dBuV/m)						
90						
					1	
60						
50						
40						
30						
20						
10						
0 <mark>1000</mark>	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actua	l Lin	nit Margin
	Mode	Reading Leve	I	FS	@3	m
MHz	PK/QP/AV	dBµV	dB	dBµV/r	m dBµ∖	//m dB

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

31.40

Peak

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26.24

57.64

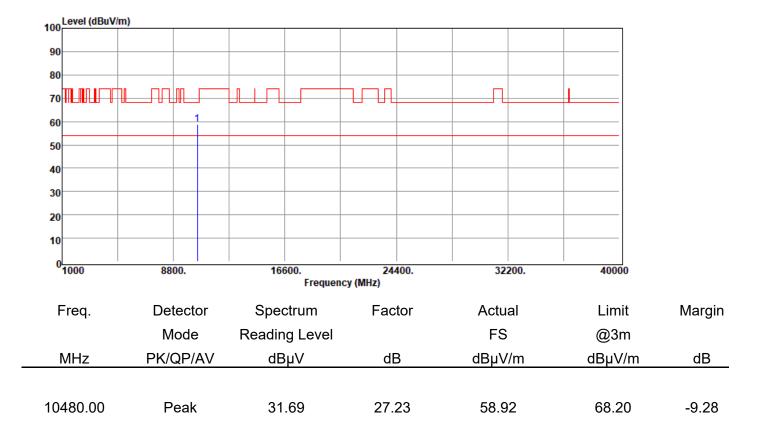
68.20

-10.56



Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 1
Test Frequency	:5240 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





10480.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/7 :802.11n20 :5240 MHz :TX CH HIG :NB Plan :Chain 0/Co) / Band 1 GH		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chamber C :2020-07-23 :23.2/64 :HORIZONTAL :Enzo	
100 Level (dBuV/m)						
90						
70 11 11 1					I	
50						
40 30						
20						
0	8800.	16600. Frequer	24400. Icy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Leve	9	FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	າ dBµV/m	dB

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

31.81

Peak

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27.23

59.04

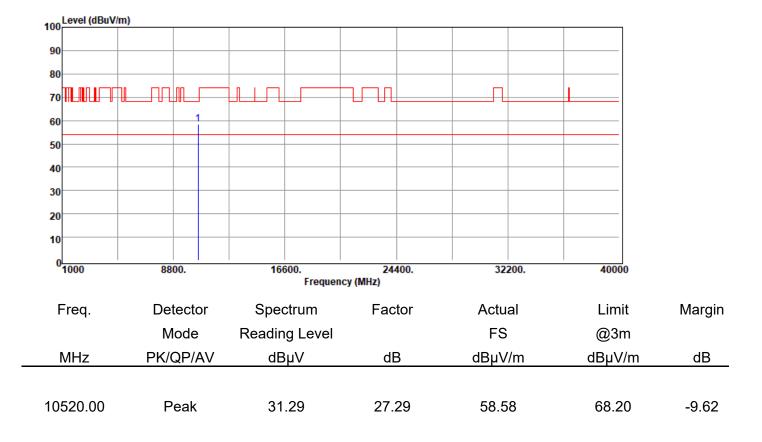
68.20

-9.16



Report Number	:E2/2020/70003	Те
Operation Mode	:802.11n20 / Band 2	Те
Test Frequency	:5260 MHz	Те
Test Mode	:TX CH LOW	Ar
EUT Pol	:NB Plan	Er
Ant Path / EUT	:Chain 0/Config 1	

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





10520.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/ :802.11n2 :5260 MH :TX CH L0 :NB Plan :Chain 0/0	0 / Band 2 z OW		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chamber C :2020-07-24 :24.5/52 :HORIZONTAL :Enzo	
100 Level (dBuV/m)						
90						
80						
70						
60	1					
50						
40						
30						
20						
0 1000	8800.	16600. Frequen	24400. Icy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Leve	!	FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB

27.29

58.69

68.20

-9.51

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31.40

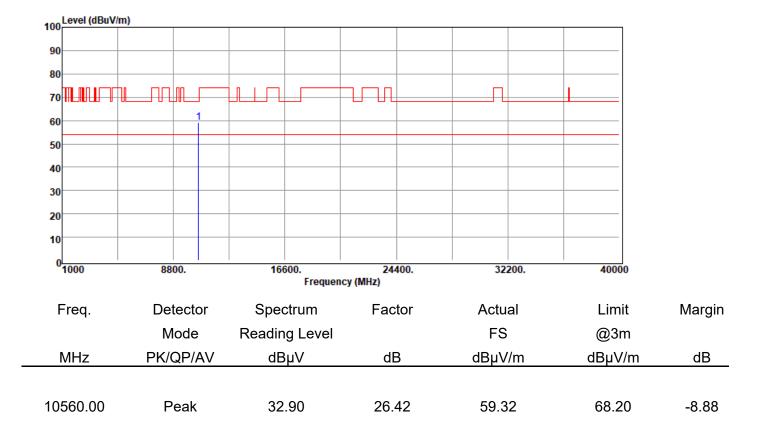
Peak

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 2
Test Frequency	:5280 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/7 :802.11n20 :5280 MHz :TX CH MI :NB Plan :Chain 0/C) / Band 2 ː D		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Cham :2020-07-2 :24.5/52 :HORIZON :Enzo	24
100 Level (dBuV/m)						
90						
80 70 11 11 1 1						
50						
40						
30						
20						
10 0 1000		40000		20200		
1000	8800.	16600. Frequer	24400. ncy (MHz)	32200.	40000	,
Freq.	Detector	Spectrum	Factor	Actual	l	_imit Margin
	Mode	Reading Leve	el	FS	(<u>D</u> 3m

dB

26.42

dBµV/m

58.08

dBµV/m

68.20

dB

-10.12

10560.00

MHz

PK/QP/AV

Peak

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

dBµV

31.66

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:E2/2020/70003
:802.11n20 / Band 2
:5320 MHz
:TX CH HIGH
:NB Plan
:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/700 :802.11n20 / :5320 MHz :TX CH HIGH :NB Plan :Chain 0/Con	Band 2 H		Test Site Test Date Temp./Hu Antenna F Engineer	:20) mi. :24	6 Chamber C 20-07-24 .5/52 DRIZONTAL Izo	
Level (dBuV/m)							
100							
90							
60							
50							
40	1						
30							
20							
10							
0	8800.	16600. Frequen	24400 cy (MHz)	0. 32	200.	40000	
Freq.	Detector	Spectrum	Fac	ctor A	ctual	Limit	Margin
	Mode	Reading Leve	I		FS	@3m	

dB

25.67

25.67

dBµV/m

42.70

57.10

dBµV/m

54.00

74.00

dB

-11.30

-16.90

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dBµV

17.03

31.43

PK/QP/AV

Average

Peak

MHz

10640.00

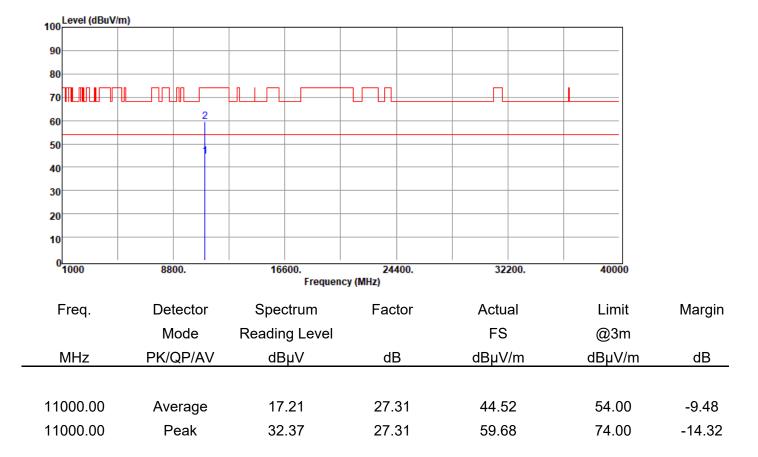
10640.00

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 3
Test Frequency	:5500 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Opera Test F Test M EUT F Ant Pa		:E2/2020/ :802.11n2 :5500 MH :TX CH L :NB Plan :Chain 0/0	20 / Band 3 Iz OW		Test Site Test Date Temp./Hur Antenna F Engineer	:2020- mi. :23.2/0	ZONTAL
100							
90							
80							
70			┶╢╧╧┙╴				
60		2					
50							
40							
30							
20							
10							
0	1000	8800.	16600.	2440	00. 322	00.	40000

Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11000.00	Average	17.12	27.31	44.43	54.00	-9.57
11000.00	Peak	32.70	27.31	60.01	74.00	-13.99

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 3
Test Frequency	:5580 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





0<mark>1000</mark>

Freq.

MHz

11160.00

11160.00

8800.

Detector

Mode

PK/QP/AV

Average

Peak

40000

Limit

@3m

dBµV/m

54.00

74.00

Margin

dB

-9.26

-14.41

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70003 :802.11n20 / Band 3 :5580 MHz :TX CH MID :NB Plan :Chain 0/Config 1	Te: Tei An	st Date : mp./Humi. : itenna Pol. :	966 Chamber C 2020-07-24 24.5/52 HORIZONTAL Enzo
90				
60	2			
50				
40				
30				
20				
10				

24400.

Factor

dB

27.45

27.45

Frequency (MHz)

32200.

Actual

FS

dBµV/m

44.74

59.59

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16600.

Spectrum

Reading Level

dBµV

17.29

32.14

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 3
Test Frequency	:5700 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/ :802.11n2 :5700 MH: :TX CH HI :NB Plan :Chain 0/0	0 / Band 3 z GH		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chamb :2020-07-23 :23.2/64 :HORIZONT :Enzo	
100						
90						
80						
70						
60	2					
50						
40						
30						
20						
10						
0 <mark></mark>	8800.	16600.	24400.	32200.	40000	

Frequency (MHz)

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11400.00 11400.00	Average Peak	17.15 32.97	26.54 26.54	43.69 59.51	54.00 74.00	-10.31 -14.49

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:E2/2020/70003
:802.11n20 / Band 3-4
:5720 MHz
:TX CH 144
:NB Plan
:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





80

Report	Number	:E2/2020/7	70003				Test Site		:966 Char	mber C
Operati	on Mode	:802.11n2	:802.11n20 / Band 3-4			Test Date	•	:2020-07-23		
Test Fre	equency	:5720 MHz			Temp./Hu	ımi.	:23.2/64			
Test Mo	ode	:TX CH 14	4				Antenna I	Pol.	:HORIZO	NTAL
EUT Po	bl	:NB Plan					Engineer		:Enzo	
Ant Pat	h / EUT	:Chain 0/C	Config 1							
100	vel (dBuV/m)									1
90										



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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 4
Test Frequency	:5745 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Opera Test Fi Test M EUT P		le :{ y :{ ; ⁻ ;!	302.11r 5745 M FX CH NB Plar	LOW	4			Test Site Test Date Temp./Hu Antenna F Engineer	mi.	:966 Cha :2020-07- :24.5/52 :HORIZO :Enzo	-24
100	Level (dBuV	/m)									_
90											
80											
70		╢╧╧┤╢			+						
60			2								
50											
40											
30											
20											
10											
0L 1	1000	88	300.	10	600. Freque	244 ncy (MHz)	400.	32	200.	4000	J 00

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11490.00	Average	17.09	27.44	44.53	54.00	-9.47
11490.00	Peak	32.09	27.44	59.53	74.00	-14.47

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 4
Test Frequency	:5785 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-11
Temp./Humi.	:22.6/54
Antenna Pol.	:VERTICAL
Engineer	:Enzo





0<mark>1000</mark>

Freq.

MHz

11570.00

11570.00

8800.

Detector

Mode

PK/QP/AV

Average

Peak

40000

Limit

@3m

dBµV/m

54.00

74.00

Margin

dB

-9.54

-15.73

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70003 :802.11n20 / Band 4 :5785 MHz :TX CH MID :NB Plan :Chain 0/Config 1	Test Site Test Date Temp./Hu Antenna F Engineer	mi. :22.6/54	11
90 80 70				

24400.

Factor

dB

26.95

26.95

Frequency (MHz)

32200.

Actual

FS

dBµV/m

44.46

58.27

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16600.

Spectrum

Reading Level

dBµV

17.51

31.32

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Report Number	:E2/2020/70003
Operation Mode	:802.11n20 / Band 4
Test Frequency	:5825 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	e :8 :5 :T :N	02.11n 825 Mł X CH ł IB Plan	HIGH	l		-	Test Site Test Date Temp./Hu Antenna F Engineer	mi. Pol.	:966 Chai :2020-07- :24.5/52 :HORIZO :Enzo	24
100 Level (dBuV/m	1)									_
90										
									1	
70	╘───┤╢┞		╶╞┦╾╞╛╶┞╴							
60		2								
50		1								
40										
30										
20										
10										
0 <mark>1000</mark>	88	00.	1660		24 ncy (MHz)	400.	32	200.	4000	<u>j</u> o

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11650.00 11650.00	Average Peak	17.16 31.77	27.38 27.38	44.54 59.15	54.00 74.00	-9.46 -14.85

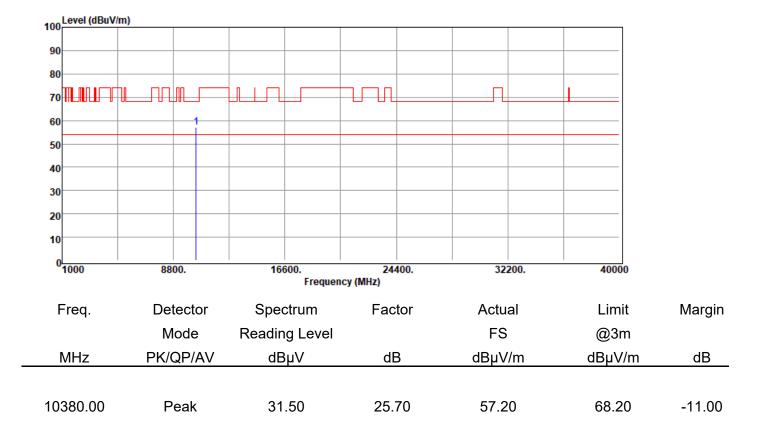
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Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 1
Test Frequency	:5190 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/7 :802.11n40 :5190 MHz :TX CH LC :NB Plan :Chain 0/C) / Band 1 :)W		Test Site Test Date Temp./Hu Antenna F Engineer	:20 mi. :23 Pol. :H	66 Chamb 020-07-23 3.2/64 ORIZON1 nzo	3	
100 Level (dBuV/m)								
90 80 70 11 11 1 60					 			
50 40 30 20 10								
⁰ 1000	8800.	16600. Frequer	24400. ncy (MHz)	32.	200.	40000		
Freq.	Detector Mode	Spectrum Reading Leve	Facto	or A	ctual FS		mit 3m	Margin

dB

25.70

dBµV/m

59.04

dBµV/m

68.20

dB

-9.16

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dBµV

33.34

PK/QP/AV

Peak

MHz

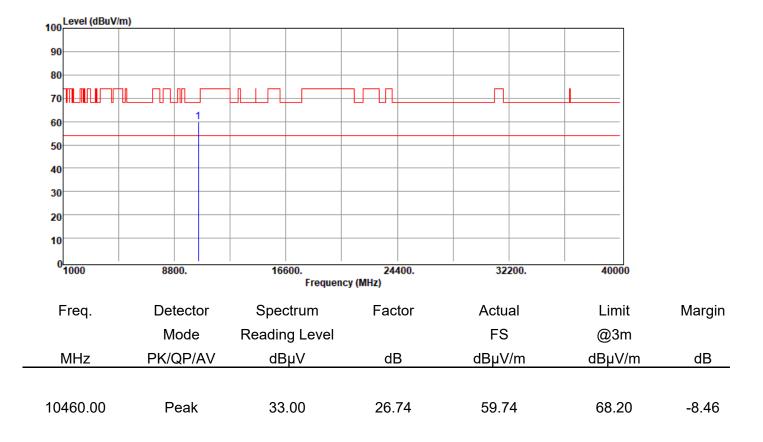
10380.00

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Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 1
Test Frequency	:5230 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





10460.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70003 :802.11n40 / Bar :5230 MHz :TX CH HIGH :NB Plan :Chain 0/Config			т Т А	est Site est Date emp./Hu ntenna F		:966 Chai :2020-07- :23.2/64 :HORIZO :Enzo	23	
100 Level (dBuV/m)									
90]	
80									
							_ _		
60	1								
50									
40									
30									
20									
10									
0 1000	8800.	16600. Frequenc	24400 cy (MHz)).	322	200.	4000	วีอ	
Freq.	Detector	Spectrum	Fac	ctor	A	ctual		Limit	Margin
	Mode Re	ading Level				FS		@3m	
MHz	PK/QP/AV	dBµV	d	В	dE	μV/m	d	BµV/m	dB

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31.28

Peak

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26.74

58.02

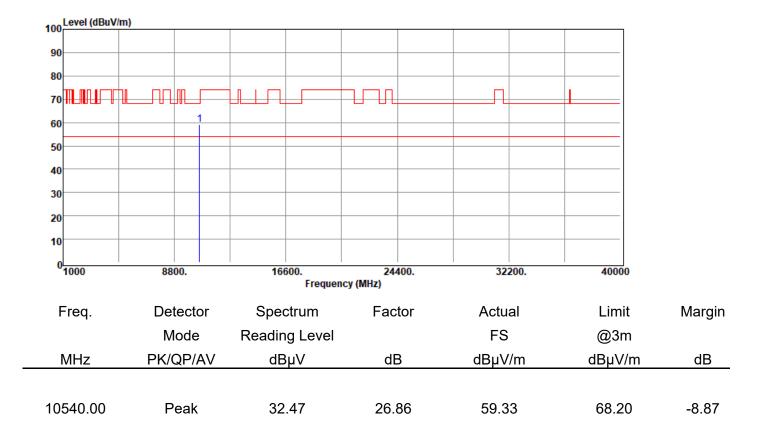
68.20

-10.18



Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 2
Test Frequency	:5270 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





10540.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/7 :802.11n4(:5270 MH2 :TX CH LC :NB Plan :Chain 0/C	0 / Band 2 z OW		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Char :2020-07- :23.2/64 :HORIZOI :Enzo	23	
100 Level (dBuV/m)							
90							
80							
60	1						
50							
40							
30							
20							
10							
0 <mark></mark>	8800.	16600. Frequer	24400. Icy (MHz)	32200.	4000	0	
Freq.	Detector	Spectrum	Factor	Actual		Limit	Margin
	Mode	Reading Leve	9	FS		@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	n d	BµV/m	dB

26.86

58.84

68.20

-9.36

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

31.98

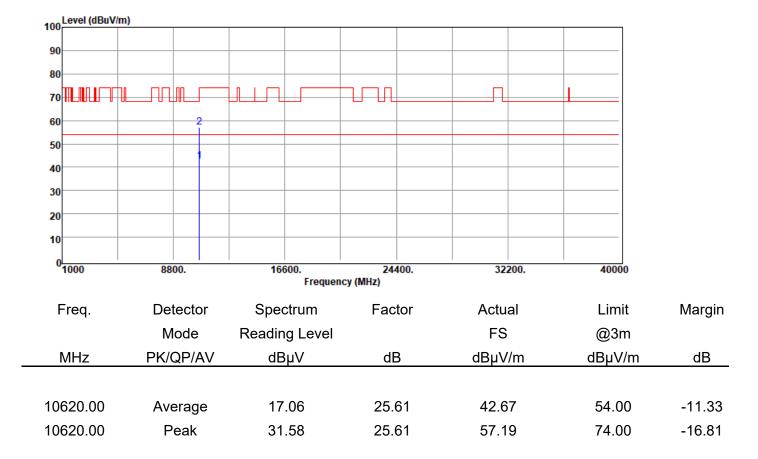
Peak

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Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 2
Test Frequency	:5310 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:24.5/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





10620.00

10620.00

Average

Peak

-11.37

-16.58

54.00

74.00

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/7 :802.11n40 :5310 MHz :TX CH HI :NB Plan :Chain 0/C) / Band 2 ː GH		Test Site Test Date Temp./Hu Antenna I Engineer	:2 mi. :2 Pol. :F	966 Chambe 2020-07-24 24.5/52 HORIZONT/ Enzo	
100 Level (dBuV/m))						
90							
80							
70				Π			
60	2						
50							
40							
30							
20							
10							
0 ^L 1000	8800.	16600. Frequen	24400. cy (MHz)	32	200.	40000	
Freq.	Detector	Spectrum	Facto	or A	ctual	Lin	nit Margin
	Mode	Reading Leve	1		FS	@3	₿m
MHz	PK/QP/AV	dBµV	dB	dE	3μV/m	dBµ	V/m dB

25.61

25.61

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17.02

31.81

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42.63

57.42



Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 3
Test Frequency	:5510 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





0 1000

Freq.

MHz

11020.00

11020.00

8800.

Detector

Mode

PK/QP/AV

Average

Peak

40000

Limit

@3m

dBµV/m

54.00

74.00

Margin

dB

-9.08

-14.23

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70003 :802.11n40 / Band 3 :5510 MHz :TX CH LOW :NB Plan :Chain 0/Config 1	T T A	ēst Date ēmp./Humi. Antenna Pol.	:966 Chamber C :2020-07-23 :23.2/64 :HORIZONTAL :Enzo
90				
				<u> </u>
60	2			
50				
40				
30				
20				
10				

24400.

Factor

dB

27.58

27.58

Frequency (MHz)

32200.

Actual

FS

dBµV/m

44.92

59.77

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

16600.

Spectrum

Reading Level

dBµV

17.34

32.19

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Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 3
Test Frequency	:5550 MHz
Test Mode	:TX CH MID
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-11
Temp./Humi.	:22.6/54
Antenna Pol.	:VERTICAL
Engineer	:Enzo





20 10

0<mark>1000</mark>

Freq.

MHz

11100.00

11100.00

8800.

Detector

Mode

PK/QP/AV

Average

Peak

40000

Limit

@3m

dBµV/m

54.00

74.00

Margin

dB

-7.50

-13.23

Opera Test F Test M EUT F Ant Pa	Pol ath / EUT	:8 5 7 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	2/2020/ 02.11n4 550 MH X CH M IB Plan Chain 0/0	0 / Band z ID	3		Test Site Test Date Temp./Hu Antenna I Engineer	mi. : Pol. :	966 Char 2020-07- 22.6/54 HORIZO Enzo	11
100	Level (dBuV/m)]
90										
80 70										
60			2							
50										
40 30										
20										

24400.

Factor

dB

28.68

28.68

Frequency (MHz)

32200.

Actual

FS

dBµV/m

46.50

60.77

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

16600.

Spectrum

Reading Level

dBµV

17.82

32.09

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Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 3
Test Frequency	:5670 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-23
Temp./Humi.	:23.2/64
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Operat Test Fr Test Mo EUT Po	ol	:5670 MI :TX CH I :NB Plar	40 / Band 3 Hz HIGH N		Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chamber :2020-07-23 :23.2/64 :HORIZONTAL :Enzo	
Ant Pat	th / EUT	:Chain 0	/Config 1				
100	evel (dBuV/m)						
90							
80							
70							
60		2					
50		1					
40							
30							
20							
10							
0	000	8800.	16600. Frequ	24400. ency (MHz)	32200.	40000	

Freq.	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
11340.00 11340.00	Average Peak	17.07 31.28	27.22 27.22	44.29 58.50	54.00 74.00	-9.71 -15.50

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Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 3-4
Test Frequency	:5710 MHz
Test Mode	:TX CH 142
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1
Test Mode EUT Pol	:TX CH 142 :NB Plan

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:23.9/67
Antenna Pol.	:VERTICAL
Engineer	:Enzo





0^L 1000

8800.

Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11n40 / Band 3-4	Test Date	:2020-07-24
Test Frequency	:5710 MHz	Temp./Humi.	:23.9/67
Test Mode	:TX CH 142	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Enzo
Ant Path / EUT	:Chain 0/Config 1		
100 Level (dBuV/m)			
90			
80			
70	╥╢╖╌┍═╡╢╴┟┍┑┟╶┎══╧╪┰┍╼┰┍╽		

Freq.	Detector	Spectrum	Factor	Actual	Limit
	Mode	Reading Level		FS	@3m
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m
11420.00	Average	17.05	26.75	43.80	54.00
11420.00	Peak	31.39	26.75	58.14	74.00

Frequency (MHz)

24400.

32200.

40000

Margin

dB

-10.20 -15.86

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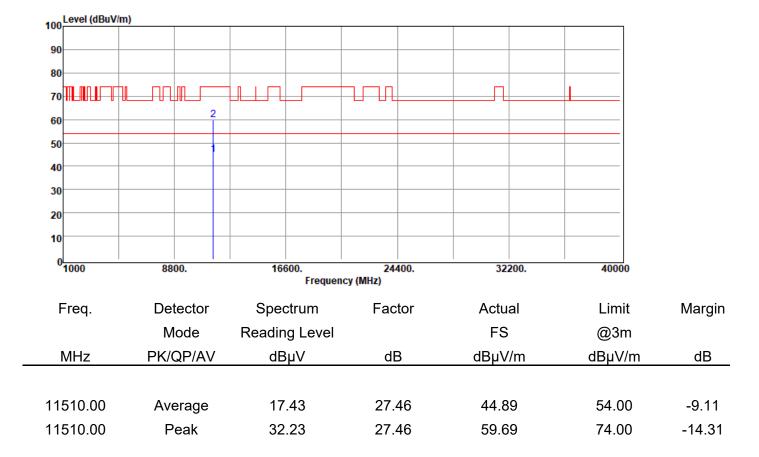
16600.

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Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 4
Test Frequency	:5755 MHz
Test Mode	:TX CH LOW
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-11
Temp./Humi.	:22.3/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





0<mark>_____</mark>

Freq.

MHz

11510.00

11510.00

8800.

Detector

Mode

PK/QP/AV

Average

Peak

40000

Limit

@3m

dBµV/m

54.00

74.00

Margin

dB

-9.19

-14.66

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70003 :802.11n40 / Band 4 :5755 MHz :TX CH LOW :NB Plan :Chain 0/Config 1	Test Site Test Date Temp./Hu Antenna F Engineer	mi. :22.3/52	11
90 80 70 60 50 40 30 20 10				

24400.

Factor

dB

27.46

27.46

Frequency (MHz)

32200.

Actual

FS

dBµV/m

44.81

59.34

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16600.

Spectrum

Reading Level

dBµV

17.35

31.88

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Report Number	:E2/2020/70003
Operation Mode	:802.11n40 / Band 4
Test Frequency	:5795 MHz
Test Mode	:TX CH HIGH
EUT Pol	:NB Plan
Ant Path / EUT	:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-25
Temp./Humi.	:24.6/55
Antenna Pol.	:VERTICAL
Engineer	:Enzo





0<mark>1000</mark>

Freq.

MHz

11590.00

11590.00

8800.

Detector

Mode

PK/QP/AV

Average

Peak

40000

Limit

@3m

dBµV/m

54.00

74.00

Margin

dB

-10.14

-14.89

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT		:E2/2020/70003 :802.11n40 / Band 4 :5795 MHz :TX CH HIGH :NB Plan :Chain 0/Config 1					-	Test Site Test Date Temp./Humi. Antenna Pol. Engineer		:966 Chamber C :2020-07-25 :24.6/55 :HORIZONTAL :Enzo			
90					_								
80 70										Π		I	
60				2	2								
50				-									
40													
30													
20													
10													

24400.

Factor

dB

26.77

26.77

Frequency (MHz)

32200.

Actual

FS

dBµV/m

43.86

59.11

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16600.

Spectrum

Reading Level

dBµV

17.09

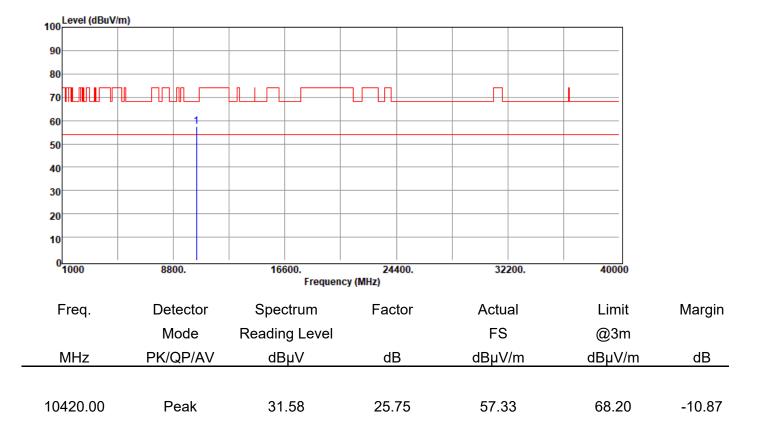
32.34

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Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 1	Test Date	:2020-07-24
Test Frequency	:5210 MHz	Temp./Humi.	:23.9/67
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Enzo
Ant Path / EUT	:Chain 0/Config 1		





10

0<mark>_____</mark>

8800.

40000

Report Number Operation Mode Test Frequency Test Mode EUT Pol Ant Path / EUT	:E2/2020/70003 :802.11ac80 / Band 1 :5210 MHz :TX CH LOW :NB Plan :Chain 0/Config 1	-	Test Site Test Date Temp./Humi. Antenna Pol. Engineer	:966 Chamber C :2020-07-24 :23.9/67 :HORIZONTAL :Enzo
100 Level (dBuV/m)			1	
90				
80				
70			<u> </u>	
60				
50				
40				
30				
20				

24400. Frequency (MHz)

16600.

			•			
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10420.00	Peak	31.69	25.75	57.44	68.20	-10.76

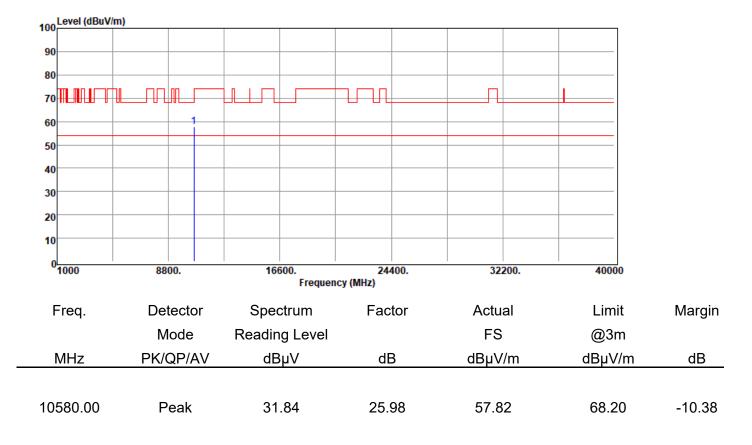
32200.

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Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 2	Test Date	:2020-07-25
Test Frequency	:5290 MHz	Temp./Humi.	:24.6/55
Test Mode	:TX CH HIGH	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Enzo
Ant Path / EUT	:Chain 0/Config 1		





port Number	:E2/2020/7000	3		Test Site	:966 Chamber C	
eration Mode	:802.11ac80 /			Test Date	:2020-07-25	
st Frequency	:5290 MHz			Temp./Humi.	:24.6/55	
st Mode	:TX CH HIGH			Antenna Pol.	:HORIZONTAL	
JT Pol	:NB Plan			Engineer	:Enzo	
t Path / EUT	:Chain 0/Confi	g 1				
100						
90						
80						
60	1					
50						
40						
30						
20						
10						
0		40000	24405		10000	
~1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	

Freq.	Detector	Spectrum	Factor	Actual	Limit	Margin
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
10580.00	Peak	32.17	25.98	58.15	68.20	-10.05

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only. 除非另有說明,此報告結果僅對測試之樣品負責,同時此樣品僅保留90天。本報告未經本公司書面許可,不可部份複製。 This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <u>http://www.sqs.com.tw/Terms-and-Conditions</u> and for electronic format documents, subject to Terms and Conditions for Electronic Documents at <u>http://www.sqs.com.tw/Terms-and-Conditions</u>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document is unawful and offenders may be prosecuted to the fullest extent of the law.



Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 3	Test Date	:2020-07-24
Test Frequency	:5530 MHz	Temp./Humi.	:23.9/67
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Enzo
Ant Path / EUT	:Chain 0/Config 1		

00 Level (dBuV	/m)					
90						
30 70 11 11 1						
0	2					
0						
0						
0						
20						
0						
0 ^L 1000	8800.	16600. Frequen	24400. cy (MHz)	32200.	40000	
Freq.	Detector	Spectrum	Factor	Actual	Limit	Margir
	Mode	Reading Level		FS	@3m	
MHz	PK/QP/AV	dBµV	dB	dBµV/m	dBµV/m	dB
1060.00	Average	17.18	28.13	45.31	54.00	-8.69
1060.00	Peak	31.08	28.13	59.21	74.00	-14.79

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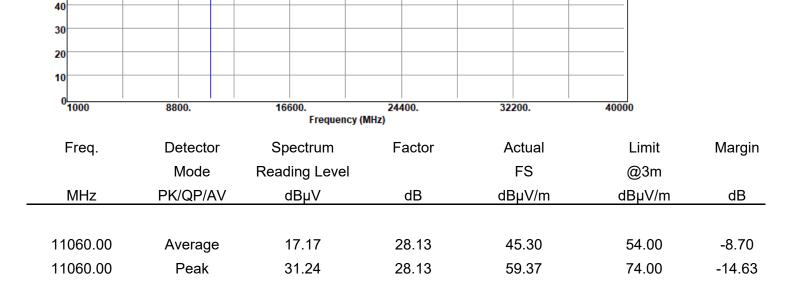


80

70 60 50

ח חר

Report Number	:E2/2020/70003		Test Site		:966 Char	nber C
Operation Mode	:802.11ac80 / Band	13	Test Date		:2020-07-	24
Test Frequency	:5530 MHz		Temp./Hu	mi.	:23.9/67	
Test Mode	:TX CH LOW		Antenna F	Pol.	:HORIZOI	NTAL
EUT Pol	:NB Plan		Engineer		:Enzo	
Ant Path / EUT	:Chain 0/Config 1					
100 Level (dBuV/m)			 			
90						
~~						



Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

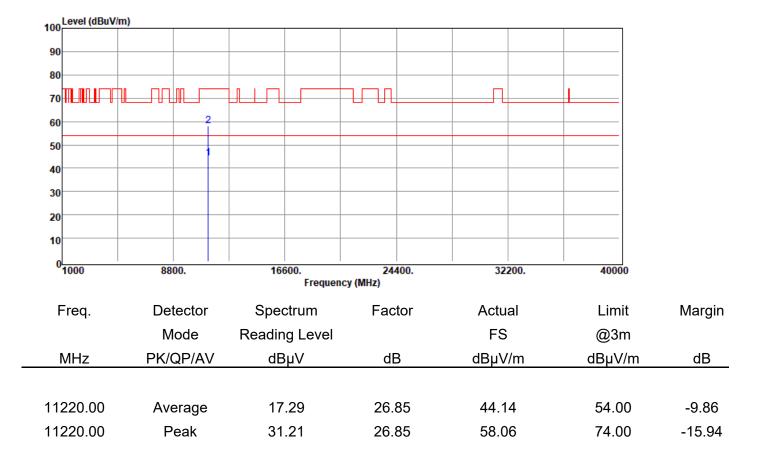
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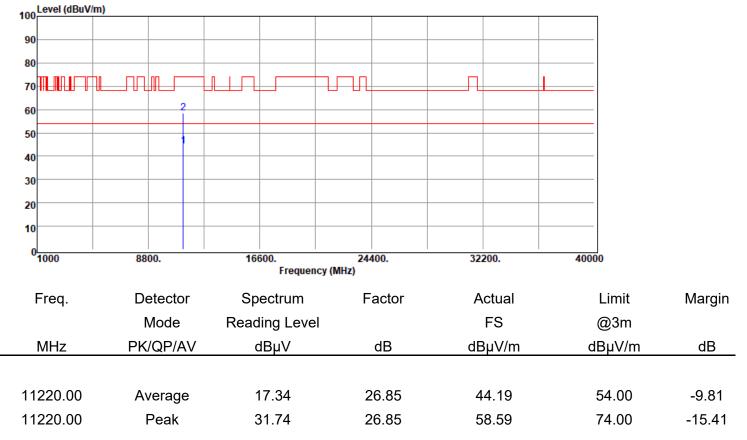
:E2/2020/70003	Te
:802.11ac80 / Band 3	Te
:5610 MHz	Te
:TX CH MID	A
:NB Plan	E
:Chain 0/Config 1	
	:802.11ac80 / Band 3 :5610 MHz :TX CH MID :NB Plan

Test Site	:966 Chamber C
Test Date	:2020-07-11
Temp./Humi.	:22.3/52
Antenna Pol.	:VERTICAL
Engineer	:Enzo





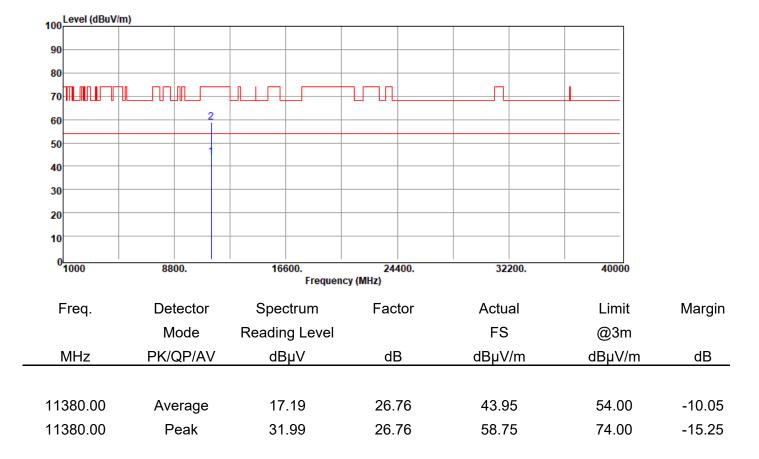
Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 3	Test Date	:2020-07-11
Test Frequency	:5610 MHz	Temp./Humi.	:22.3/52
Test Mode	:TX CH MID	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Enzo
Ant Path / EUT	:Chain 0/Config 1		





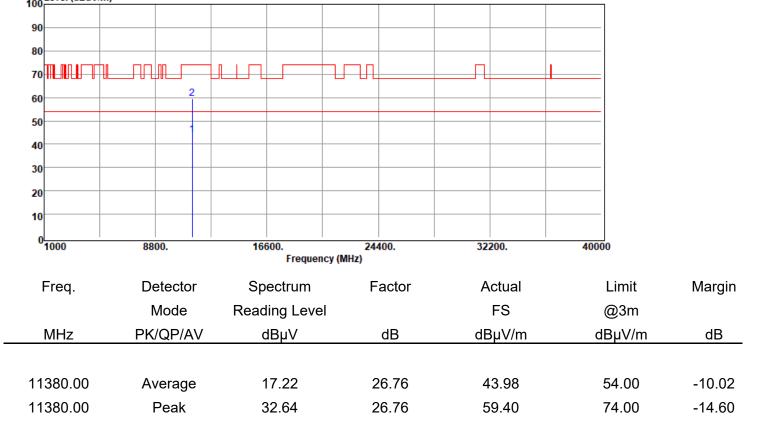
:E2/2020/70003
:802.11ac80 / Band 3
:5690 MHz
:TX CH HIGH
:NB Plan
:Chain 0/Config 1

Test Site	:966 Chamber C
Test Date	:2020-07-24
Temp./Humi.	:23.9/67
Antenna Pol.	:VERTICAL
Engineer	:Enzo





Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 3	Test Date	:2020-07-24
Test Frequency	:5690 MHz	Temp./Humi.	:23.9/67
Test Mode	:TX CH HIGH	Antenna Pol.	:HORIZONTAL
EUT Pol	:NB Plan	Engineer	:Enzo
Ant Path / EUT	:Chain 0/Config 1		
100_Level (dBuV/m)			





Report Number	:E2/2020/70003	Test Site	:966 Chamber C
Operation Mode	:802.11ac80 / Band 4	Test Date	:2020-07-17
Test Frequency	:5775 MHz	Temp./Humi.	:22.7/55
Test Mode	:TX CH LOW	Antenna Pol.	:VERTICAL
EUT Pol	:NB Plan	Engineer	:Ashton
Ant Path / EUT	:Chain 0/Config 1		

