

U-NII 頻段測試紀錄結果

9 帶外發射之量測

9.1 適用標準

待測物操作頻帶	適用標準
☒ 5.15 GHz~5.25 GHz	請見本報告 3.1 節第 2 項(II)的規定
☒ 5.25 GHz~5.35 GHz	請見本報告 3.1 節第 2 項(II)的規定
☒ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第 2 項(II)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第 2 項(III)的規定

9.2 量測方法

在電波暗室，將待測物置於 0.8 米高的非金屬桌面，使其操作在工作狀態。接收天線置於 3 米距離。桌面要 360 度旋轉，另外接收天線從離地 1 米至 4 米升降變化，以找出最大的輻射電場強度，接收天線分別置於水平、垂直極化各執行測試一次。

備註：對於 1GHz 以上場強輻射的測試，待測物則置於 1.5 米高的非金屬桌面

9.3 量測儀器

同 4.3 節

9.4 帶外發射之測試配置

同 4.4 節

9.5 場強度之計算

場強之計算公式如下：

結果值 Emission level (dBuV/m)=機器讀值 Raw Value (dBuV) +校正因子 Correction Factor (dB/m)

餘裕度 Margin(dB)= 結果值 Emission level (dBuV/m)-限制值 Limit value (dBuV/m)

*有效等向輻射功率限制值轉換場強值如下：

Applicable To		Limit	
技術規範 5.7.4.6 節不必要發射頻率屬 3.5 節規定頻段者，應符合 3.6 節之規定		Field Strength at 3m	
		PK:74 (dBμV/m)	AV:54 (dBμV/m)
操作頻帶	Applicable To	EIRP Limit	Equivalent Field Strength at 3m
5150~5250 MHz	技術規範 5.7.4.1 節	PK:-27 (dBm/MHz)	PK:68.2(dBμV/m)
5250~5350 MHz	技術規範 5.7.4.1 節		
5470~5725 MHz	技術規範 5.7.4.1 節		
5725~5850 MHz	技術規範 5.7.4.2 節	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 band edge.		^{*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.	

Note:

有效等向輻射功率限制值轉換場強之公式如下：

$$E=(30PG)^{1/2}/d$$

E: 以最寬解析頻寬所測得之最大場強值，單位:V/m。

G: 發射天線相對於全向性輻射器之數值增益。

d: 測試場強的距離，單位: m。

P: 求得之功率，單位:W。

9.6 量測結果

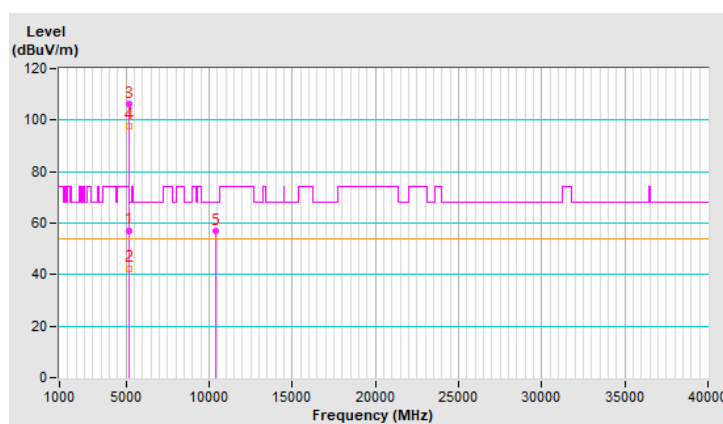
9.6.1 發射諧波

操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 3 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	56.99 PK	74.00	-17.01	2.80 H	215	46.98	10.01
2	5150.00	42.26 AV	54.00	-11.74	2.80 H	215	32.25	10.01
3	*5180.00	106.02 PK			2.80 H	215	95.95	10.07
4	*5180.00	97.46 AV			2.80 H	215	87.39	10.07
5	#10360.00	56.73 PK	68.20	-11.47	1.64 H	235	40.55	16.18
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#36260.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

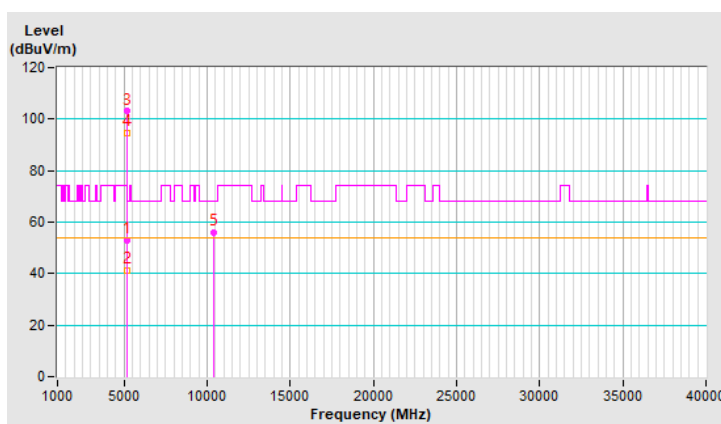


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 3 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.91 PK	74.00	-21.09	3.20 V	165	42.90	10.01
2	5150.00	41.40 AV	54.00	-12.60	3.20 V	165	31.39	10.01
3	*5180.00	103.01 PK			3.20 V	165	92.94	10.07
4	*5180.00	94.76 AV			3.20 V	165	84.69	10.07
5	#10360.00	55.86 PK	68.20	-12.34	2.15 V	124	39.68	16.18
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#36260.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

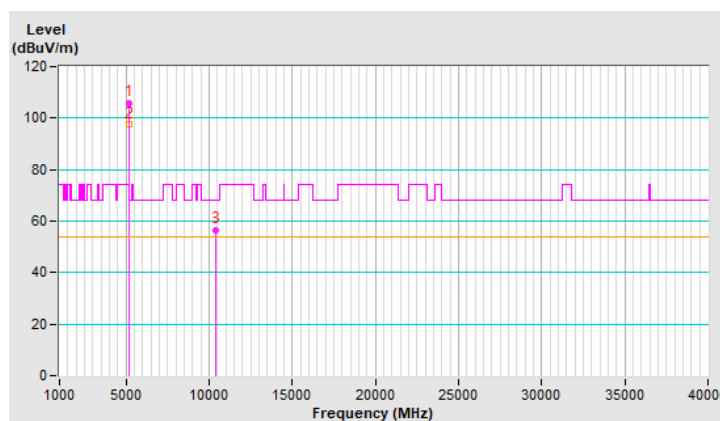


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 3 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	105.99 PK			2.84 H	213	95.89	10.10
2	*5200.00	97.38 AV			2.84 H	213	87.28	10.10
3	#10400.00	56.56 PK	68.20	-11.64	1.85 H	241	40.36	16.20
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#36400.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

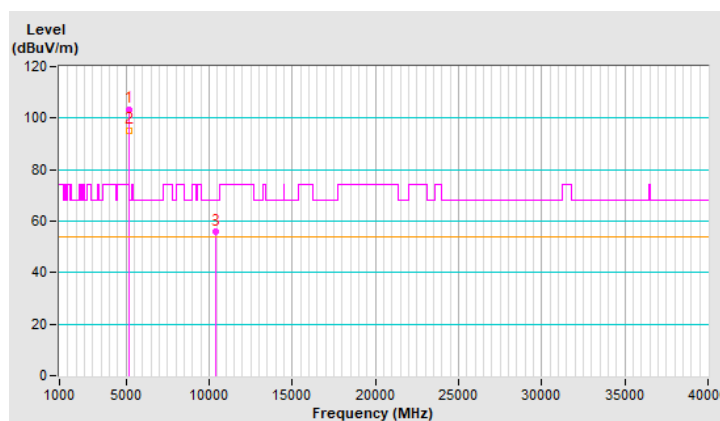


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 3 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	103.12 PK			3.16 V	168	93.02	10.10
2	*5200.00	94.98 AV			3.16 V	168	84.88	10.10
3	#10400.00	55.74 PK	68.20	-12.46	2.36 V	251	39.54	16.20
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#36400.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

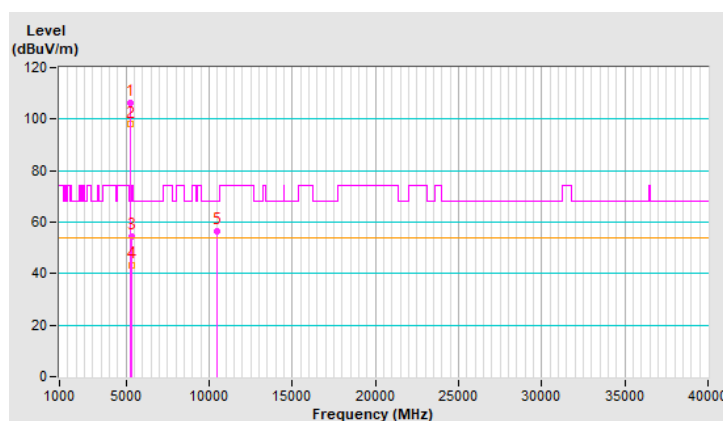


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 3 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	106.31 PK			2.77 H	209	96.04	10.27
2	*5240.00	97.96 AV			2.77 H	209	87.69	10.27
3	5350.00	54.55 PK	74.00	-19.45	2.77 H	209	43.56	10.99
4	5350.00	43.35 AV	54.00	-10.65	2.77 H	209	32.36	10.99
5	#10480.00	56.66 PK	68.20	-11.54	1.94 H	215	40.52	16.14
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#36680.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

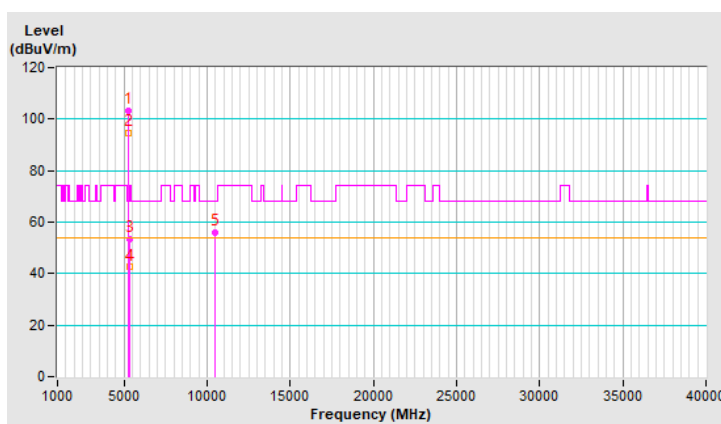


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 3 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	103.16 PK			3.16 V	188	92.89	10.27
2	*5240.00	94.81 AV			3.16 V	188	84.54	10.27
3	5350.00	53.25 PK	74.00	-20.75	3.16 V	188	42.26	10.99
4	5350.00	42.53 AV	54.00	-11.47	3.16 V	188	31.54	10.99
5	#10480.00	55.80 PK	68.20	-12.40	1.64 V	238	39.66	16.14
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#36680.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

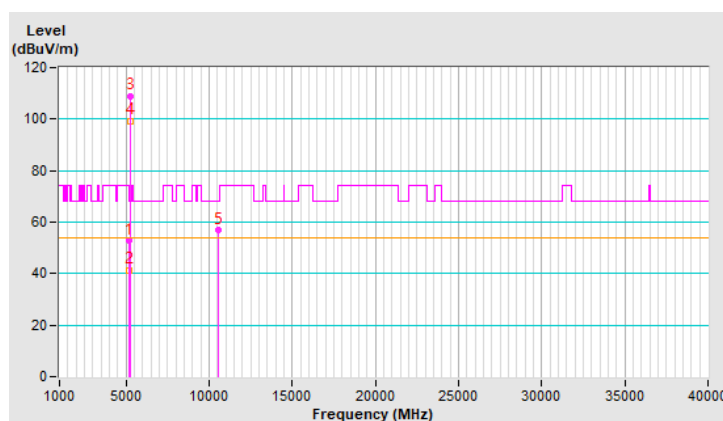


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.68 PK	74.00	-21.32	2.65 H	212	42.67	10.01
2	5150.00	41.29 AV	54.00	-12.71	2.65 H	212	31.28	10.01
3	*5260.00	108.94 PK			2.65 H	212	98.56	10.38
4	*5260.00	99.30 AV			2.65 H	212	88.92	10.38
5	#10520.00	56.75 PK	68.20	-11.45	1.98 H	228	40.66	16.09
6	15780.00	-	-	-	-	-	-	-
7	21040.00	-	-	-	-	-	-	-
8	#26300.00	-	-	-	-	-	-	-
9	31560.00	-	-	-	-	-	-	-
10	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

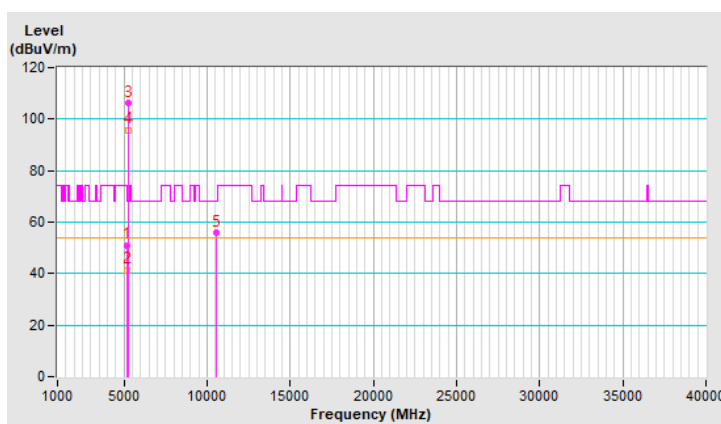


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.04 PK	74.00	-22.96	3.21 V	163	41.03	10.01
2	5150.00	41.10 AV	54.00	-12.90	3.21 V	163	31.09	10.01
3	*5260.00	106.02 PK			3.21 V	163	95.64	10.38
4	*5260.00	95.64 AV			3.21 V	163	85.26	10.38
5	#10520.00	55.74 PK	68.20	-12.46	2.18 V	194	39.65	16.09
6	15780.00	-	-	-	-	-	-	-
7	21040.00	-	-	-	-	-	-	-
8	#26300.00	-	-	-	-	-	-	-
9	31560.00	-	-	-	-	-	-	-
10	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

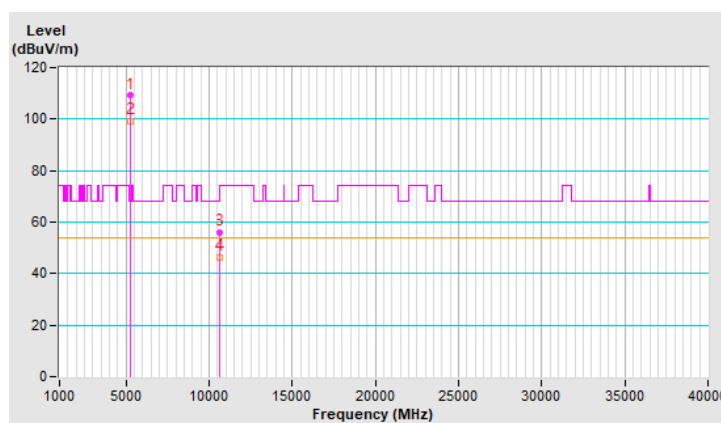


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.13 PK			2.69 H	218	98.46	10.67
2	*5300.00	99.36 AV			2.69 H	218	88.69	10.67
3	10600.00	56.11 PK	74.00	-17.89	1.80 H	155	40.16	15.95
4	10600.00	46.52 AV	54.00	-7.48	1.80 H	155	30.57	15.95
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

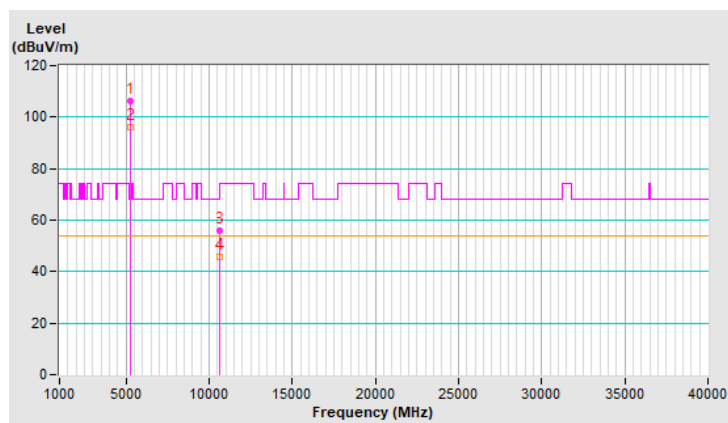


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	106.31 PK			3.24 V	165	95.64	10.67
2	*5300.00	96.19 AV			3.24 V	165	85.52	10.67
3	10600.00	55.84 PK	74.00	-18.16	2.37 V	241	39.89	15.95
4	10600.00	45.83 AV	54.00	-8.17	2.37 V	241	29.88	15.95
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

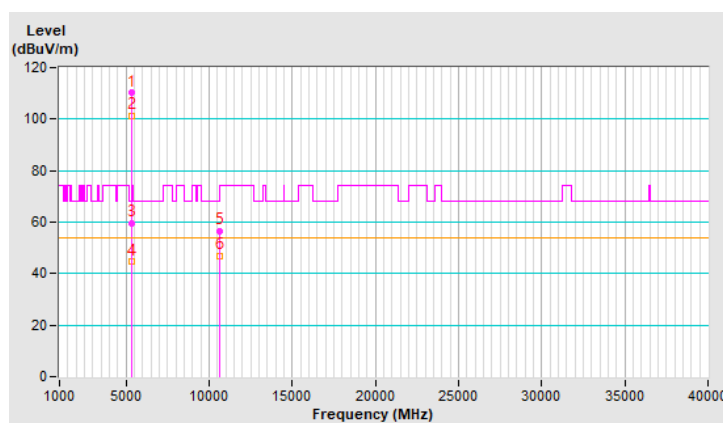


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	110.12 PK			2.58 H	215	99.32	10.80
2	*5320.00	101.04 AV			2.58 H	215	90.24	10.80
3	5350.00	59.48 PK	74.00	-14.52	2.58 H	215	48.49	10.99
4	5350.00	44.53 AV	54.00	-9.47	2.58 H	215	33.54	10.99
5	10640.00	56.40 PK	74.00	-17.60	2.33 H	162	40.26	16.14
6	10640.00	46.66 AV	54.00	-7.34	2.33 H	162	30.52	16.14
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

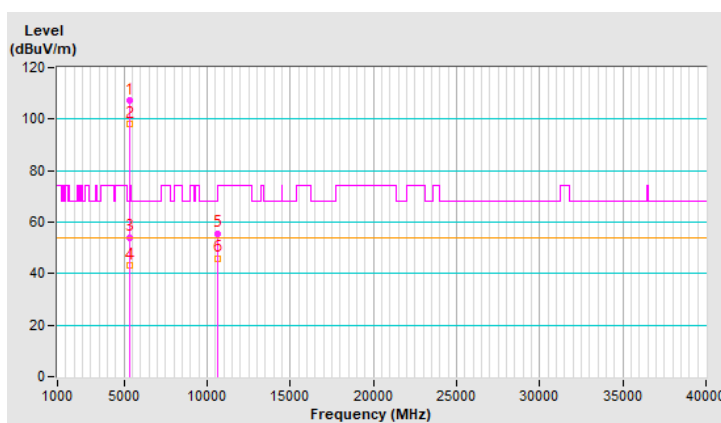


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	107.06 PK			3.22 V	169	96.26	10.80
2	*5320.00	97.95 AV			3.22 V	169	87.15	10.80
3	5350.00	54.15 PK	74.00	-19.85	3.22 V	169	43.16	10.99
4	5350.00	43.01 AV	54.00	-10.99	3.22 V	169	32.02	10.99
5	10640.00	55.40 PK	74.00	-18.60	1.00 V	154	39.26	16.14
6	10640.00	45.78 AV	54.00	-8.22	1.00 V	154	29.64	16.14
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

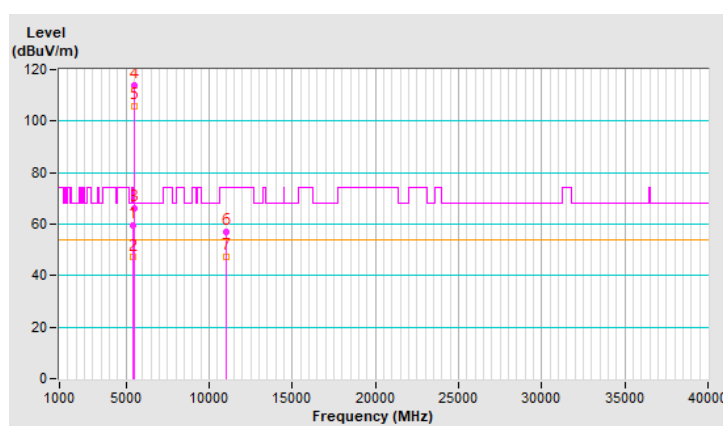


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	59.46 PK	74.00	-14.54	2.78 H	187	48.20	11.26
2	5460.00	47.11 AV	54.00	-6.89	2.78 H	187	35.85	11.26
3	#5470.00	66.08 PK	68.20	-2.12	2.78 H	187	54.80	11.28
4	*5500.00	114.05 PK			2.78 H	187	102.74	11.31
5	*5500.00	106.00 AV			2.78 H	187	94.69	11.31
6	11000.00	57.14 PK	74.00	-16.86	1.58 H	269	40.26	16.88
7	11000.00	47.34 AV	54.00	-6.66	1.58 H	269	30.46	16.88
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

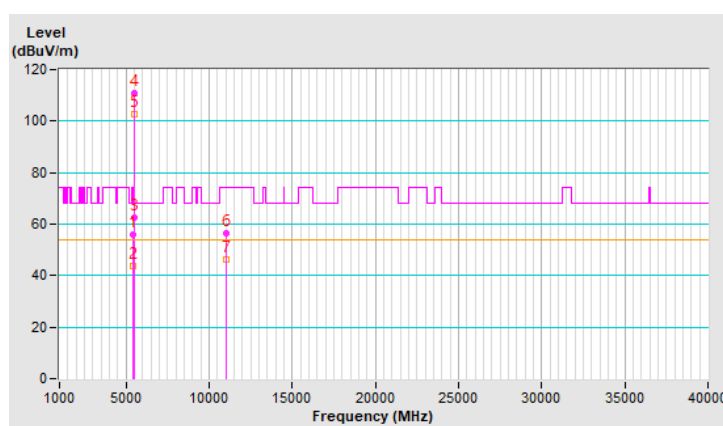


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	56.11 PK	74.00	-17.89	3.16 V	169	44.85	11.26
2	5460.00	43.62 AV	54.00	-10.38	3.16 V	169	32.36	11.26
3	#5470.00	62.61 PK	68.20	-5.59	3.16 V	169	51.33	11.28
4	*5500.00	110.95 PK			3.16 V	169	99.64	11.31
5	*5500.00	102.89 AV			3.16 V	169	91.58	11.31
6	11000.00	56.51 PK	74.00	-17.49	2.25 V	185	39.63	16.88
7	11000.00	46.40 AV	54.00	-7.60	2.25 V	185	29.52	16.88
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

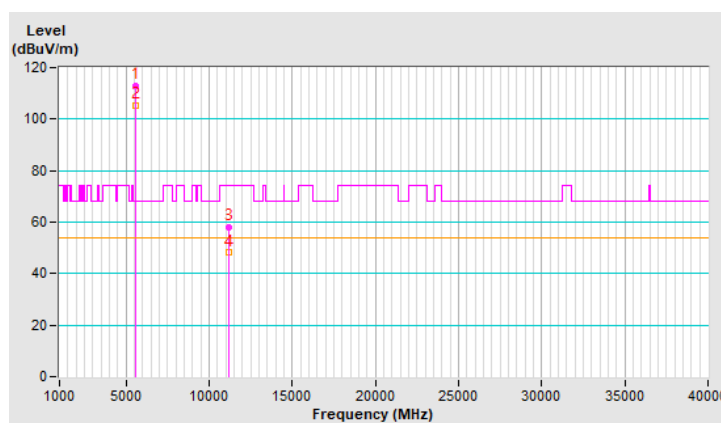


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	112.79 PK			2.82 H	202	102.24	10.55
2	*5580.00	105.23 AV			2.82 H	202	94.68	10.55
3	11160.00	58.18 PK	74.00	-15.82	2.34 H	164	40.58	17.60
4	11160.00	48.06 AV	54.00	-5.94	2.34 H	164	30.46	17.60
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

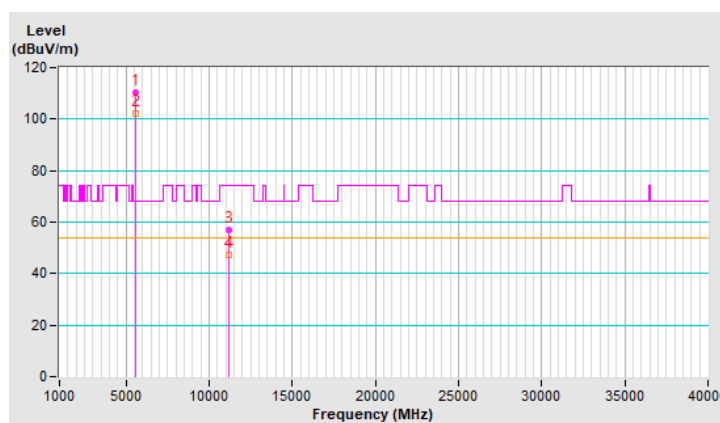


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	110.22 PK			3.23 V	158	99.67	10.55
2	*5580.00	102.19 AV			3.23 V	158	91.64	10.55
3	11160.00	56.83 PK	74.00	-17.17	1.85 V	297	39.23	17.60
4	11160.00	47.19 AV	54.00	-6.81	1.85 V	297	29.59	17.60
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

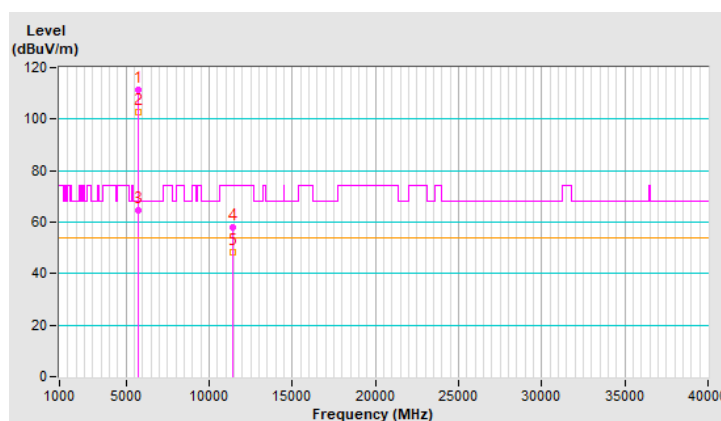


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 140：5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	111.45 PK			2.76 H	184	101.20	10.25
2	*5700.00	102.77 AV			2.76 H	184	92.52	10.25
3	#5725.00	64.44 PK	68.20	-3.76	2.76 H	184	54.15	10.29
4	11400.00	58.22 PK	74.00	-15.78	2.16 H	223	40.52	17.70
5	11400.00	48.34 AV	54.00	-5.66	2.16 H	223	30.64	17.70
6	#17100.00	-	-	-	-	-	-	-
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

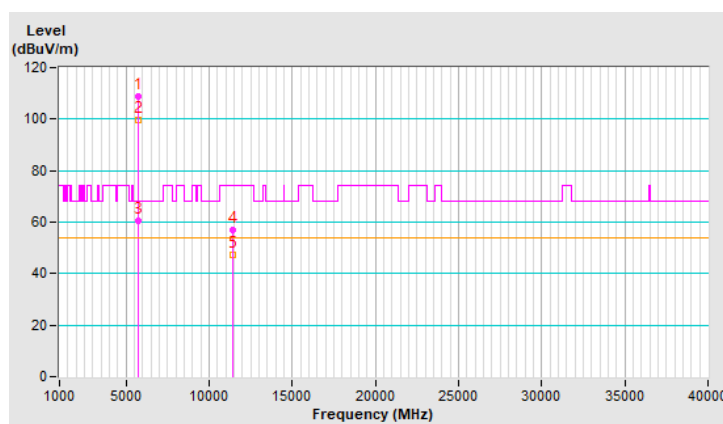


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 140：5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	108.67 PK			3.21 V	159	98.42	10.25
2	*5700.00	99.88 AV			3.21 V	159	89.63	10.25
3	#5725.00	60.52 PK	68.20	-7.68	3.21 V	159	50.23	10.29
4	11400.00	57.06 PK	74.00	-16.94	2.88 V	59	39.36	17.70
5	11400.00	47.16 AV	54.00	-6.84	2.88 V	59	29.46	17.70
6	#17100.00	-	-	-	-	-	-	-
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

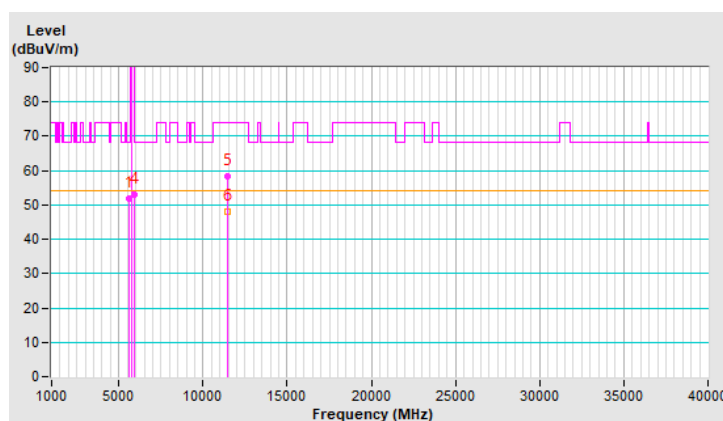


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5609.10	51.86 PK	68.20	-16.34	2.79 H	188	41.52	10.34
2	*5745.00	114.68 PK			2.79 H	188	104.35	10.33
3	*5745.00	106.65 AV			2.79 H	188	96.32	10.33
4	#5934.31	53.05 PK	68.20	-15.15	2.79 H	188	42.66	10.39
5	11490.00	58.19 PK	74.00	-15.81	1.57 H	269	40.22	17.97
6	11490.00	48.10 AV	54.00	-5.90	1.57 H	269	30.13	17.97
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

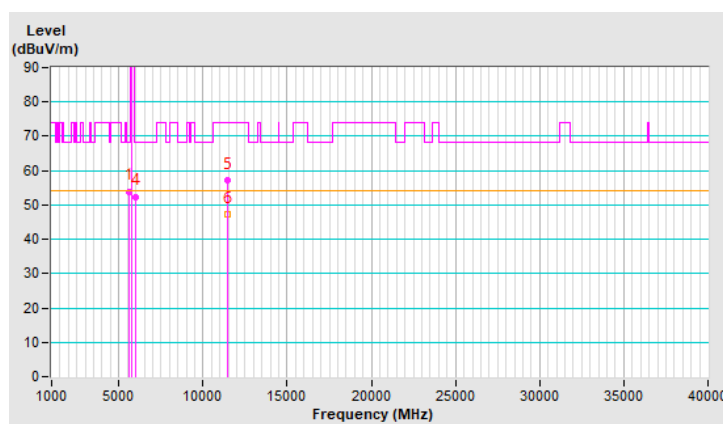


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5584.24	53.94 PK	68.20	-14.26	3.21 V	162	43.43	10.51
2	*5745.00	111.79 PK			3.21 V	162	101.46	10.33
3	*5745.00	103.65 AV			3.21 V	162	93.32	10.33
4	#5997.98	52.42 PK	68.20	-15.78	3.21 V	162	41.70	10.72
5	11490.00	57.25 PK	74.00	-16.75	2.22 V	16	39.28	17.97
6	11490.00	47.10 AV	54.00	-6.90	2.22 V	16	29.13	17.97
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

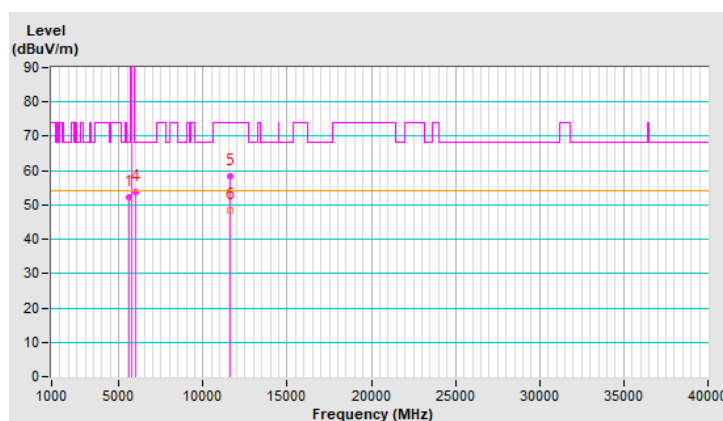


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5584.54	52.34 PK	68.20	-15.86	2.82 H	192	41.83	10.51
2	*5785.00	114.75 PK			2.82 H	192	104.36	10.39
3	*5785.00	107.00 AV			2.82 H	192	96.61	10.39
4	#5954.14	53.66 PK	68.20	-14.54	2.82 H	192	43.15	10.51
5	11570.00	58.28 PK	74.00	-15.72	1.85 H	228	40.02	18.26
6	11570.00	48.39 AV	54.00	-5.61	1.85 H	228	30.13	18.26
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

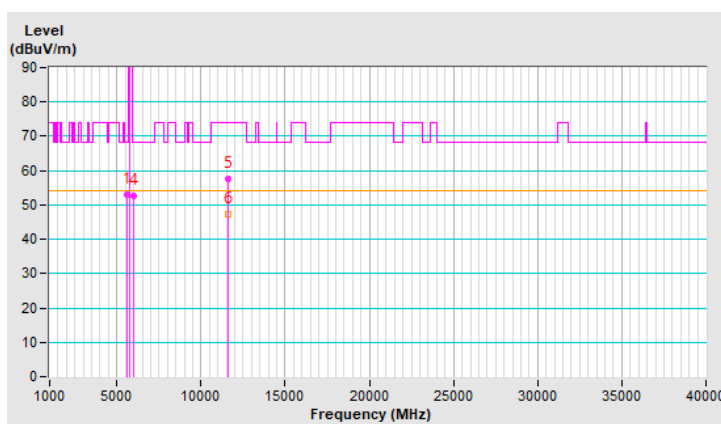


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5575.97	52.88 PK	68.20	-15.32	3.16 V	175	42.30	10.58
2	*5785.00	111.41 PK			3.16 V	175	101.02	10.39
3	*5785.00	103.60 AV			3.16 V	175	93.21	10.39
4	#5998.93	52.58 PK	68.20	-15.62	3.16 V	175	41.85	10.73
5	11570.00	57.48 PK	74.00	-16.52	2.95 V	285	39.22	18.26
6	11570.00	47.30 AV	54.00	-6.70	2.95 V	285	29.04	18.26
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

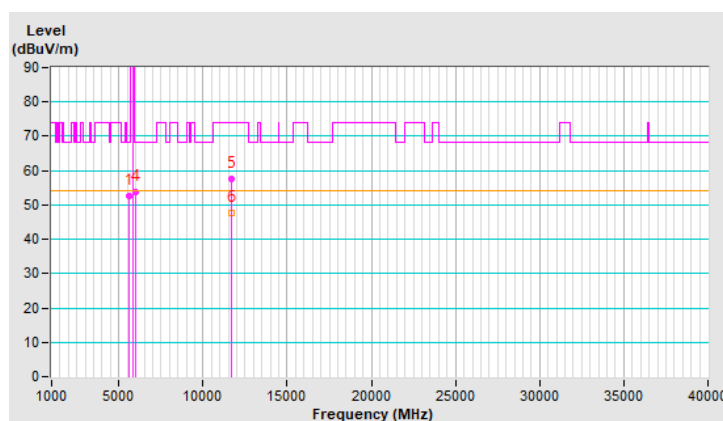


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165：5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5583.71	52.48 PK	68.20	-15.72	2.77 H	185	41.97	10.51
2	*5825.00	114.47 PK			2.77 H	185	104.11	10.36
3	*5825.00	106.64 AV			2.77 H	185	96.28	10.36
4	#6015.70	53.88 PK	68.20	-14.32	2.77 H	185	43.17	10.71
5	11650.00	57.73 PK	74.00	-16.27	2.21 H	134	39.32	18.41
6	11650.00	47.66 AV	54.00	-6.34	2.21 H	134	29.25	18.41
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

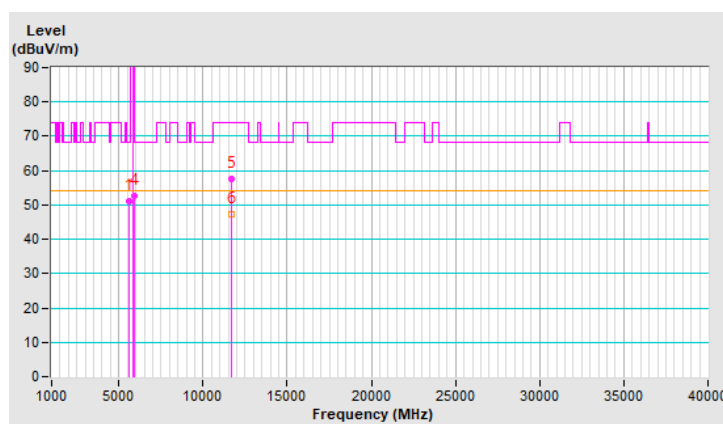


操作模式：	發射 802.11a	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=510Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5607.23	51.17 PK	68.20	-17.03	3.19 V	163	40.83	10.34
2	*5825.00	110.57 PK			3.19 V	163	100.21	10.36
3	*5825.00	103.44 AV			3.19 V	163	93.08	10.36
4	#5951.08	52.63 PK	68.20	-15.57	3.19 V	163	42.13	10.50
5	11650.00	57.40 PK	74.00	-16.60	2.84 V	189	38.99	18.41
6	11650.00	47.17 AV	54.00	-6.83	2.84 V	189	28.76	18.41
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

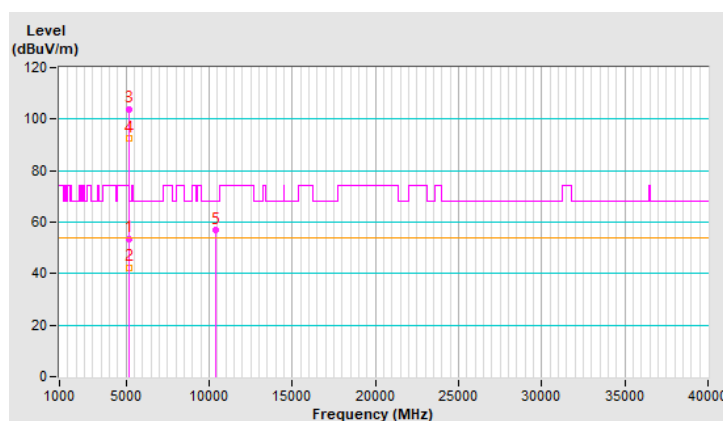


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	53.40 PK	74.00	-20.60	1.56 H	201	43.39	10.01
2	5150.00	42.21 AV	54.00	-11.79	1.56 H	201	32.20	10.01
3	*5180.00	103.66 PK			1.56 H	201	93.59	10.07
4	*5180.00	92.31 AV			1.56 H	201	82.24	10.07
5	#10360.00	56.76 PK	68.20	-11.44	1.88 H	175	40.58	16.18
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#36260.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

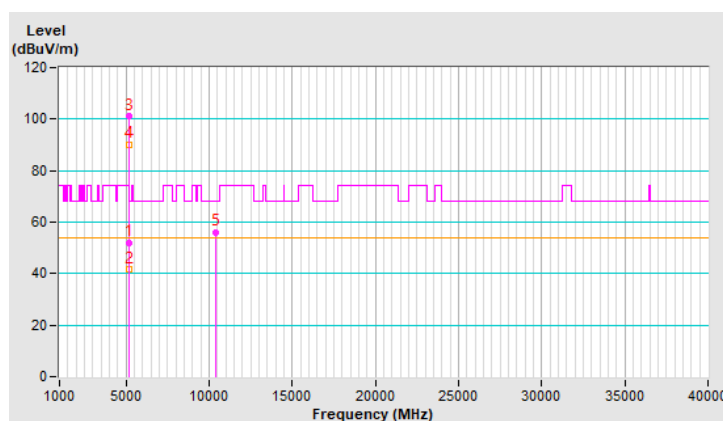


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 36：5180 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.89 PK	74.00	-22.11	3.16 V	166	41.88	10.01
2	5150.00	41.46 AV	54.00	-12.54	3.16 V	166	31.45	10.01
3	*5180.00	100.96 PK			3.16 V	166	90.89	10.07
4	*5180.00	89.96 AV			3.16 V	166	79.89	10.07
5	#10360.00	55.87 PK	68.20	-12.33	2.25 V	136	39.69	16.18
6	15540.00	-	-	-	-	-	-	-
7	20720.00	-	-	-	-	-	-	-
8	#25900.00	-	-	-	-	-	-	-
9	#31080.00	-	-	-	-	-	-	-
10	#36260.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

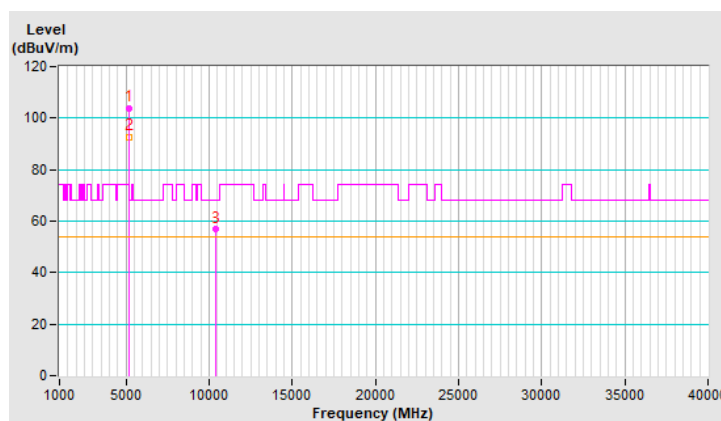


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	103.97 PK			1.68 H	198	93.87	10.10
2	*5200.00	92.75 AV			1.68 H	198	82.65	10.10
3	#10400.00	56.74 PK	68.20	-11.46	1.45 H	264	40.54	16.20
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#36400.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

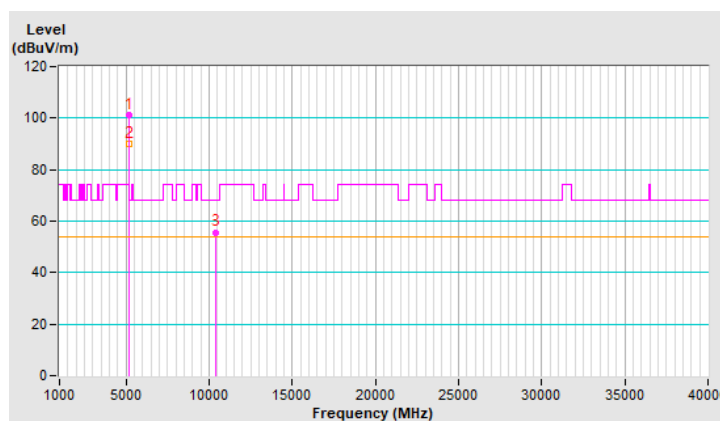


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 40：5200 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5200.00	100.97 PK			3.16 V	158	90.87	10.10
2	*5200.00	89.79 AV			3.16 V	158	79.69	10.10
3	#10400.00	55.54 PK	68.20	-12.66	2.28 V	175	39.34	16.20
4	15600.00	-	-	-	-	-	-	-
5	20800.00	-	-	-	-	-	-	-
6	#26000.00	-	-	-	-	-	-	-
7	31200.00	-	-	-	-	-	-	-
8	#36400.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

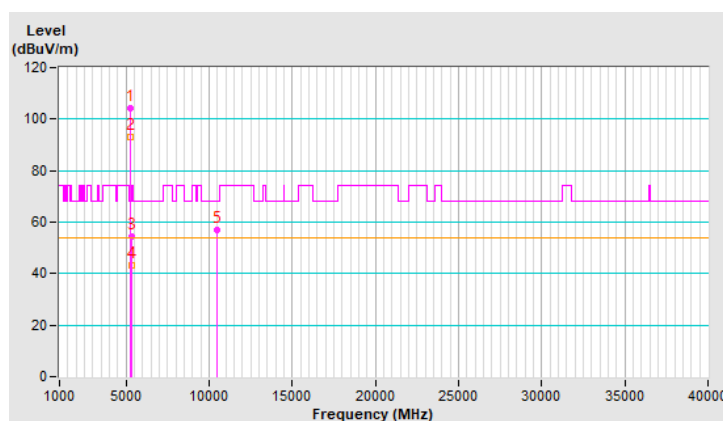


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	104.11 PK			1.61 H	211	93.84	10.27
2	*5240.00	92.94 AV			1.61 H	211	82.67	10.27
3	5350.00	54.25 PK	74.00	-19.75	1.61 H	211	43.26	10.99
4	5350.00	43.28 AV	54.00	-10.72	1.61 H	211	32.29	10.99
5	#10480.00	57.01 PK	68.20	-11.19	1.87 H	194	40.87	16.14
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#36680.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

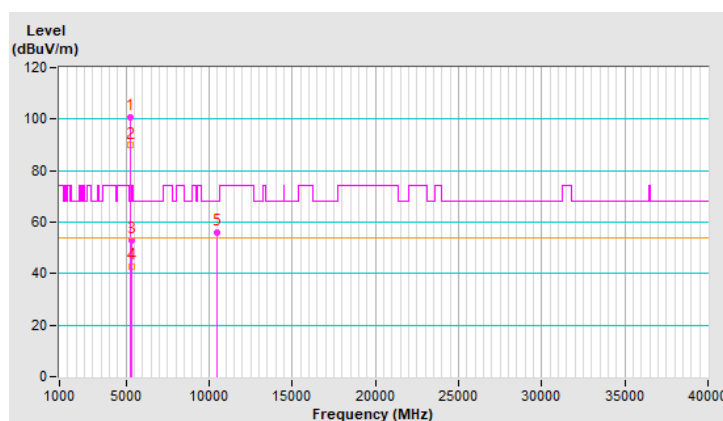


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 48：5240 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5240.00	100.93 PK			3.11 V	169	90.66	10.27
2	*5240.00	89.75 AV			3.11 V	169	79.48	10.27
3	5350.00	53.01 PK	74.00	-20.99	3.11 V	169	42.02	10.99
4	5350.00	42.88 AV	54.00	-11.12	3.11 V	169	31.89	10.99
5	#10480.00	55.92 PK	68.20	-12.28	2.31 V	229	39.78	16.14
6	15720.00	-	-	-	-	-	-	-
7	20960.00	-	-	-	-	-	-	-
8	#26200.00	-	-	-	-	-	-	-
9	31440.00	-	-	-	-	-	-	-
10	#36680.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

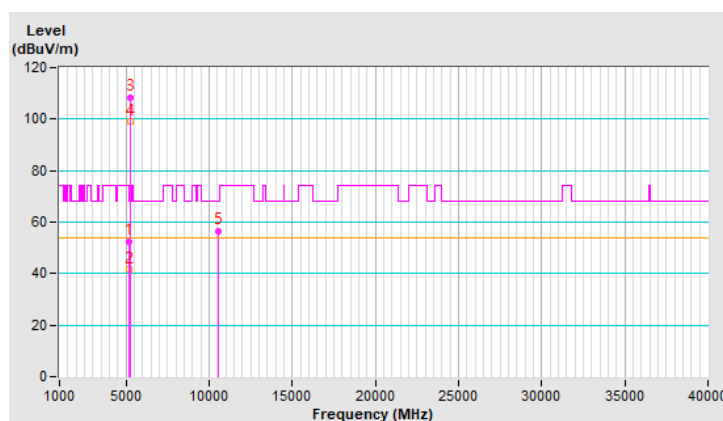


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.43 PK	74.00	-21.57	2.65 H	213	42.42	10.01
2	5150.00	41.52 AV	54.00	-12.48	2.65 H	213	31.51	10.01
3	*5260.00	108.20 PK			2.65 H	213	97.82	10.38
4	*5260.00	98.98 AV			2.65 H	213	88.60	10.38
5	#10520.00	56.31 PK	68.20	-11.89	1.89 H	225	40.22	16.09
6	15780.00	-	-	-	-	-	-	-
7	21040.00	-	-	-	-	-	-	-
8	#26300.00	-	-	-	-	-	-	-
9	31560.00	-	-	-	-	-	-	-
10	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

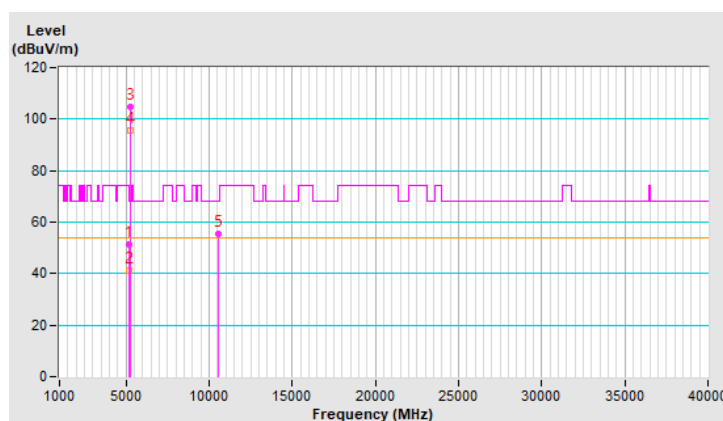


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 52：5260 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.37 PK	74.00	-22.63	2.19 V	158	41.36	10.01
2	5150.00	41.14 AV	54.00	-12.86	2.19 V	158	31.13	10.01
3	*5260.00	104.94 PK			3.19 V	158	94.56	10.38
4	*5260.00	95.72 AV			3.19 V	158	85.34	10.38
5	#10520.00	55.56 PK	68.20	-12.64	1.84 V	222	39.47	16.09
6	15780.00	-	-	-	-	-	-	-
7	21040.00	-	-	-	-	-	-	-
8	#26300.00	-	-	-	-	-	-	-
9	31560.00	-	-	-	-	-	-	-
10	#36820.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

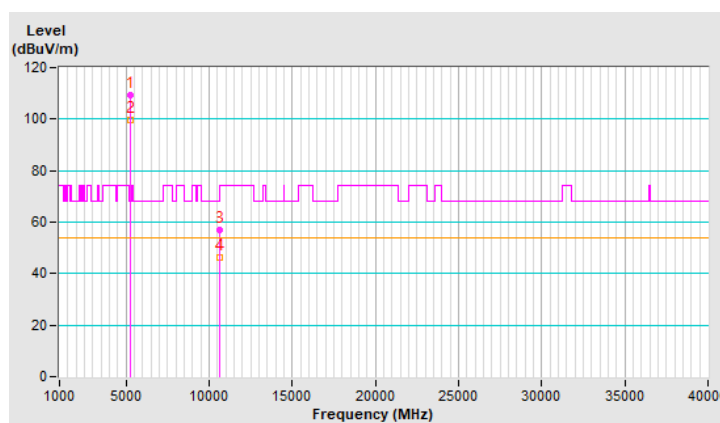


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	109.35 PK			2.59 H	219	98.68	10.67
2	*5300.00	99.55 AV			2.59 H	219	88.88	10.67
3	10600.00	56.79 PK	74.00	-17.21	1.85 H	244	40.84	15.95
4	10600.00	46.21 AV	54.00	-7.79	1.85 H	244	30.26	15.95
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

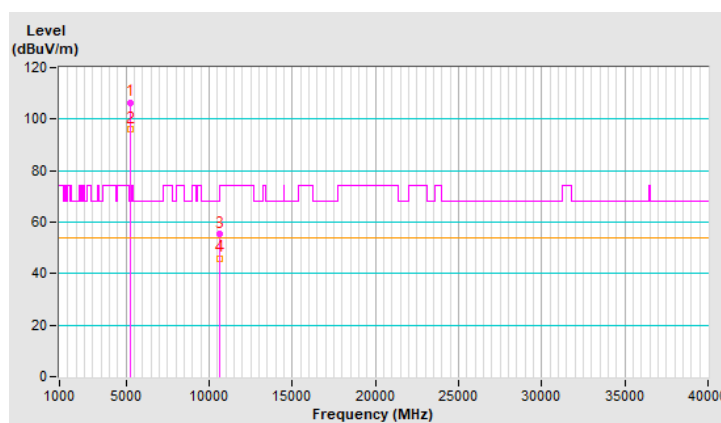


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 60：5300 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5300.00	106.31 PK			3.22 V	161	95.64	10.67
2	*5300.00	95.93 AV			3.22 V	161	85.26	10.67
3	10600.00	55.21 PK	74.00	-18.79	2.98 V	178	39.26	15.95
4	10600.00	45.79 AV	54.00	-8.21	2.98 V	178	29.84	15.95
5	15900.00	-	-	-	-	-	-	-
6	21200.00	-	-	-	-	-	-	-
7	#26500.00	-	-	-	-	-	-	-
8	31800.00	-	-	-	-	-	-	-
9	#37100.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

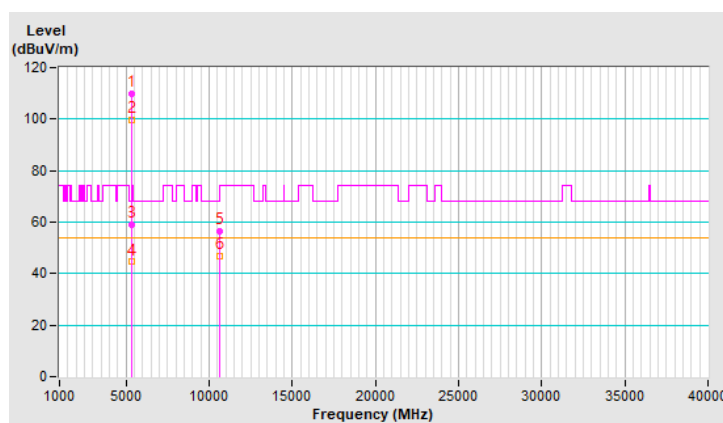


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	109.74 PK			2.71 H	211	98.94	10.80
2	*5320.00	99.59 AV			2.71 H	211	88.79	10.80
3	5350.00	59.22 PK	74.00	-14.78	2.71 H	211	48.23	10.99
4	5350.00	44.55 AV	54.00	-9.45	2.71 H	211	33.56	10.99
5	10640.00	56.65 PK	74.00	-17.35	2.08 H	194	40.51	16.14
6	10640.00	46.62 AV	54.00	-7.38	2.08 H	194	30.48	16.14
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

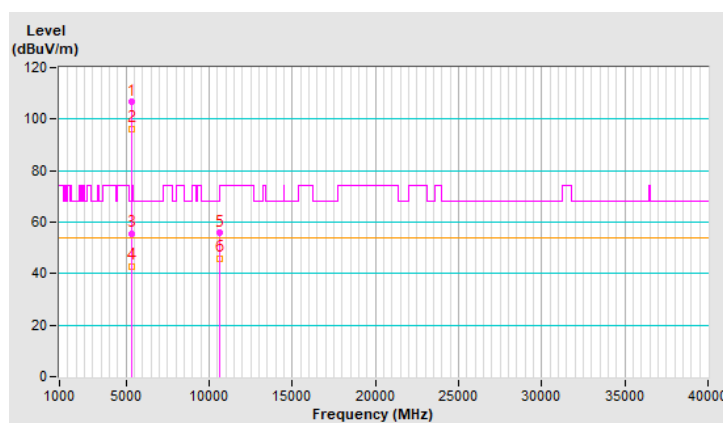


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 64：5320 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5320.00	106.54 PK			3.16 V	158	95.74	10.80
2	*5320.00	96.06 AV			3.16 V	158	85.26	10.80
3	5350.00	55.51 PK	74.00	-18.49	3.16 V	158	44.52	10.99
4	5350.00	42.83 AV	54.00	-11.17	3.16 V	158	31.84	10.99
5	10640.00	55.69 PK	74.00	-18.31	1.27 V	189	39.55	16.14
6	10640.00	45.76 AV	54.00	-8.24	1.27 V	189	29.62	16.14
7	15960.00	-	-	-	-	-	-	-
8	21280.00	-	-	-	-	-	-	-
9	#26600.00	-	-	-	-	-	-	-
10	#31920.00	-	-	-	-	-	-	-
11	#37240.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

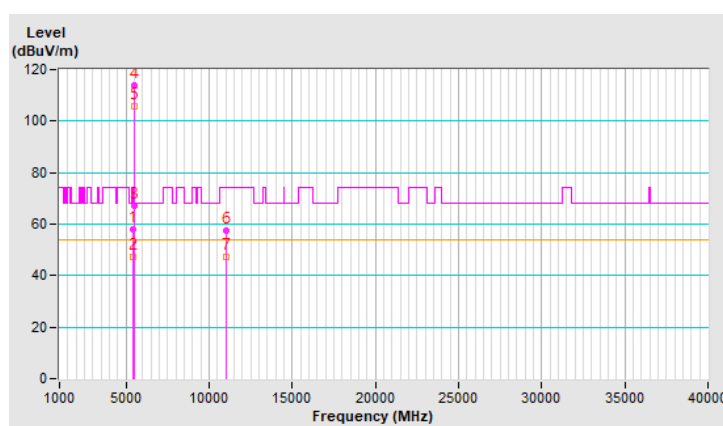


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	58.01 PK	74.00	-15.99	2.69 H	184	46.75	11.26
2	5460.00	47.27 AV	54.00	-6.73	2.69 H	184	36.01	11.26
3	#5470.00	66.98 PK	68.20	-1.22	2.69 H	184	55.70	11.28
4	*5500.00	113.75 PK			2.69 H	184	102.44	11.31
5	*5500.00	105.87 AV			2.69 H	184	94.56	11.31
6	11000.00	57.44 PK	74.00	-16.56	2.21 H	152	40.56	16.88
7	11000.00	47.53 AV	54.00	-6.47	2.21 H	152	30.65	16.88
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

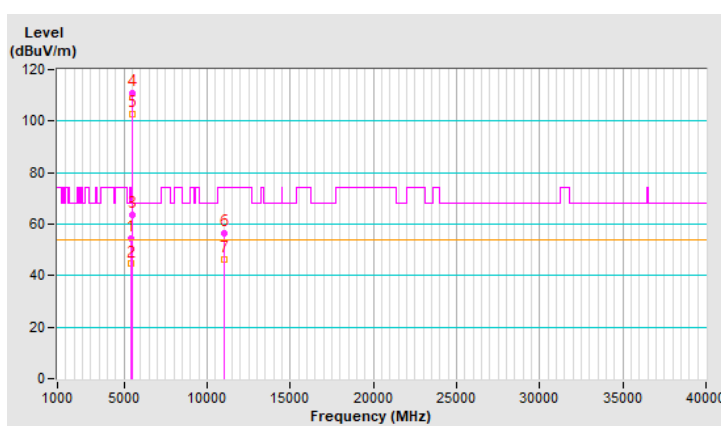


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 100：5500 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	54.51 PK	74.00	-19.49	3.25 V	165	43.25	11.26
2	5460.00	44.52 AV	54.00	-9.48	3.25 V	165	33.26	11.26
3	#5470.00	63.41 PK	68.20	-4.79	3.25 V	165	52.13	11.28
4	*5500.00	110.87 PK			3.25 V	165	99.56	11.31
5	*5500.00	102.85 AV			3.25 V	165	91.54	11.31
6	11000.00	56.31 PK	74.00	-17.69	1.88 V	145	39.43	16.88
7	11000.00	46.44 AV	54.00	-7.56	1.88 V	145	29.56	16.88
8	#16500.00	-	-	-	-	-	-	-
9	#22000.00	-	-	-	-	-	-	-
10	#27500.00	-	-	-	-	-	-	-
11	#33000.00	-	-	-	-	-	-	-
12	#38500.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

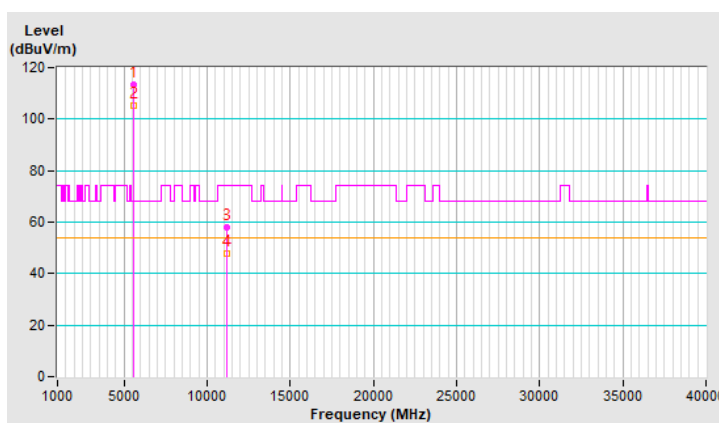


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	113.23 PK			2.74 H	198	102.68	10.55
2	*5580.00	105.18 AV			2.74 H	198	94.63	10.55
3	11160.00	58.15 PK	74.00	-15.85	1.23 H	263	40.55	17.60
4	11160.00	47.80 AV	54.00	-6.20	1.23 H	263	30.20	17.60
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

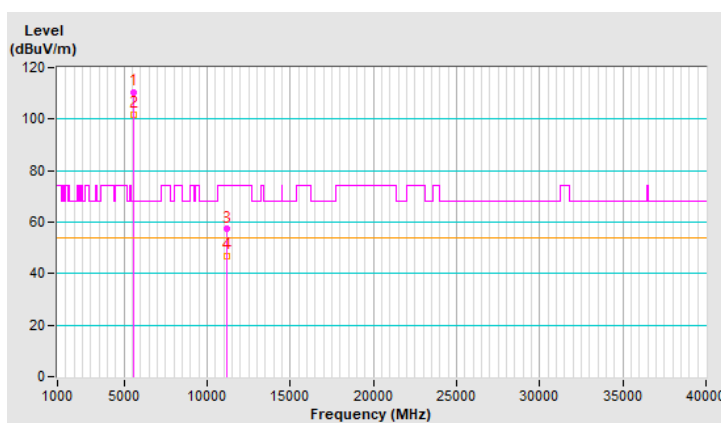


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 116 : 5580 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5580.00	110.39 PK			3.26 V	166	99.84	10.55
2	*5580.00	101.91 AV			3.26 V	166	91.36	10.55
3	11160.00	57.21 PK	74.00	-16.79	1.78 V	54	39.61	17.60
4	11160.00	47.03 AV	54.00	-6.97	1.78 V	54	29.43	17.60
5	#16740.00	-	-	-	-	-	-	-
6	22320.00	-	-	-	-	-	-	-
7	#27900.00	-	-	-	-	-	-	-
8	#33480.00	-	-	-	-	-	-	-
9	39060.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

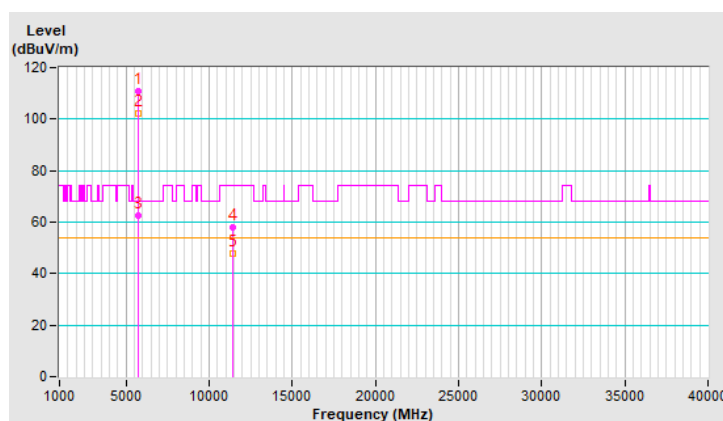


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	110.92 PK			2.55 H	190	100.67	10.25
2	*5700.00	102.44 AV			2.55 H	190	92.19	10.25
3	#5725.00	62.71 PK	68.20	-5.49	2.55 H	190	52.42	10.29
4	11400.00	57.96 PK	74.00	-16.04	1.87 H	194	40.26	17.70
5	11400.00	48.01 AV	54.00	-5.99	1.87 H	194	30.31	17.70
6	#17100.00	-	-	-	-	-	-	-
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

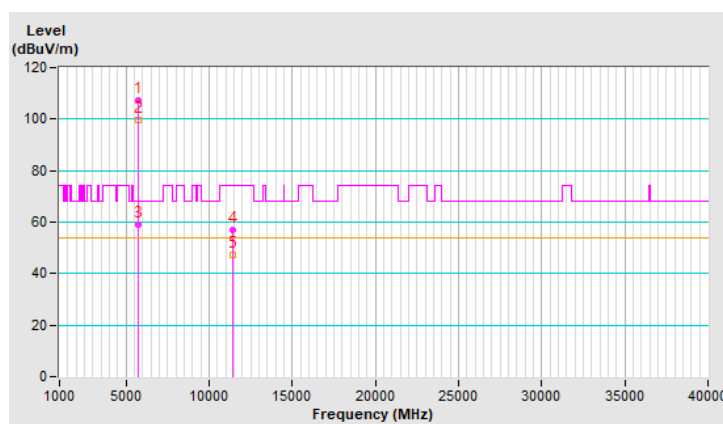


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 140 : 5700 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5700.00	107.51 PK			3.22 V	158	97.26	10.25
2	*5700.00	99.59 AV			3.22 V	158	89.34	10.25
3	#5725.00	58.97 PK	68.20	-9.23	3.22 V	158	48.68	10.29
4	11400.00	57.02 PK	74.00	-16.98	1.64 V	231	39.32	17.70
5	11400.00	47.34 AV	54.00	-6.66	1.64 V	231	29.64	17.70
6	#17100.00	-	-	-	-	-	-	-
7	22800.00	-	-	-	-	-	-	-
8	#28500.00	-	-	-	-	-	-	-
9	#34200.00	-	-	-	-	-	-	-
10	39900.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

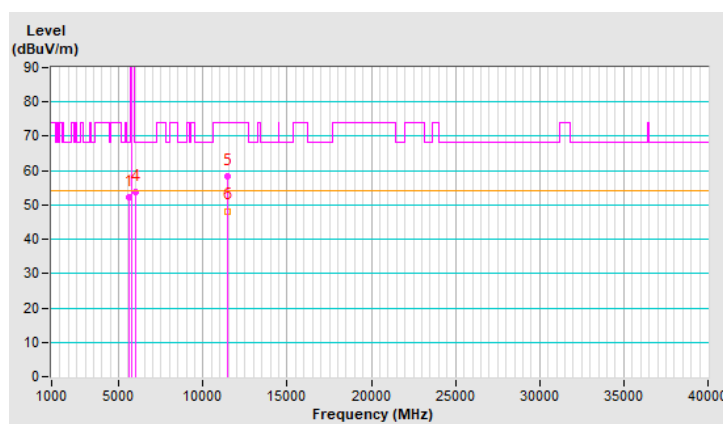


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5583.83	52.32 PK	68.20	-15.88	2.88 H	194	41.81	10.51
2	*5745.00	115.07 PK			2.88 H	194	104.74	10.33
3	*5745.00	106.58 AV			2.88 H	194	96.25	10.33
4	#5975.71	53.63 PK	68.20	-14.57	2.88 H	194	43.01	10.62
5	11490.00	58.19 PK	74.00	-15.81	2.33 H	269	40.22	17.97
6	11490.00	48.21 AV	54.00	-5.79	2.33 H	269	30.24	17.97
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

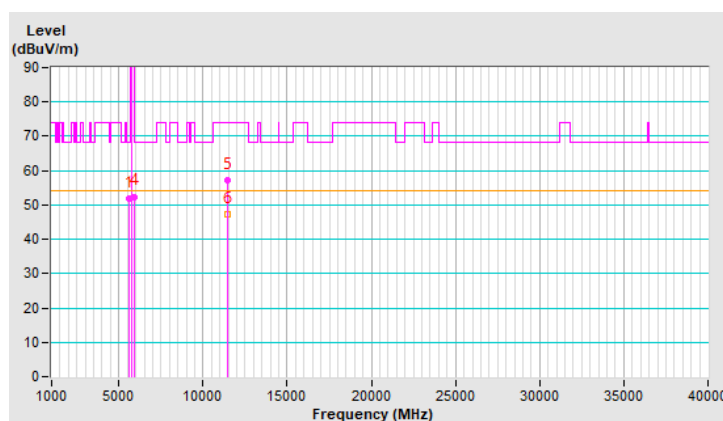


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	20.0°C	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5622.25	51.87 PK	68.20	-16.33	3.15 V	158	41.55	10.32
2	*5745.00	111.55 PK			3.15 V	158	101.22	10.33
3	*5745.00	103.50 AV			3.15 V	158	93.17	10.33
4	#5940.46	52.43 PK	68.20	-15.77	3.15 V	158	42.00	10.43
5	11490.00	57.13 PK	74.00	-16.87	2.22 V	236	39.16	17.97
6	11490.00	47.38 AV	54.00	-6.62	2.22 V	236	29.41	17.97
7	#17235.00	-	-	-	-	-	-	-
8	22980.00	-	-	-	-	-	-	-
9	#28725.00	-	-	-	-	-	-	-
10	#34470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

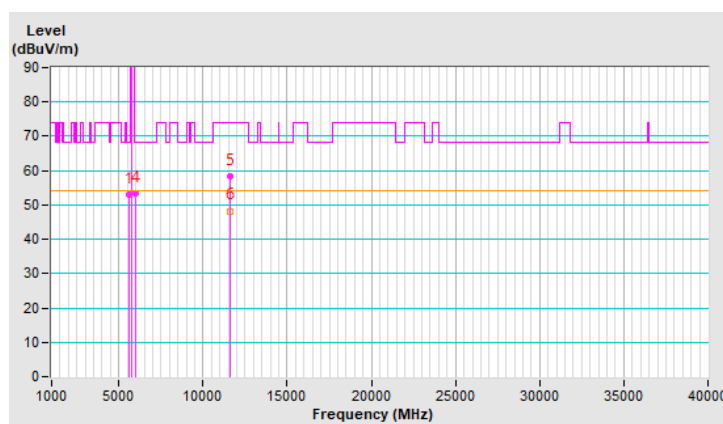


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5578.77	53.12 PK	68.20	-15.08	2.76 H	187	42.56	10.56
2	*5785.00	114.60 PK			2.76 H	187	104.21	10.39
3	*5785.00	106.56 AV			2.76 H	187	96.17	10.39
4	#5983.25	53.42 PK	68.20	-14.78	2.76 H	187	42.78	10.64
5	11570.00	58.27 PK	74.00	-15.73	2.05 H	188	40.01	18.26
6	11570.00	48.24 AV	54.00	-5.76	2.05 H	188	29.98	18.26
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

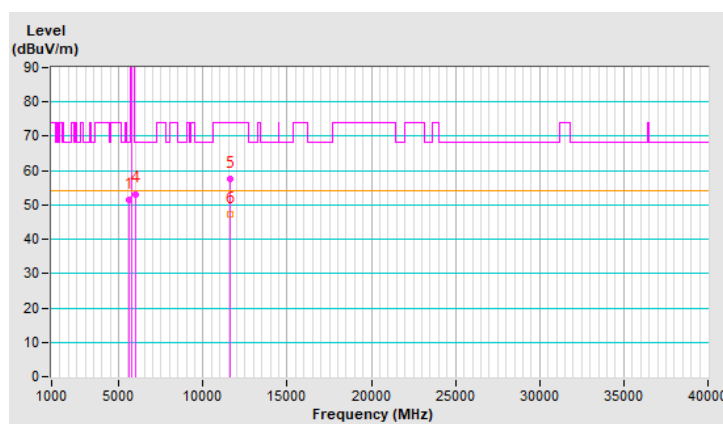


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 157 : 5785 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5613.82	51.38 PK	68.20	-16.82	3.19 V	157	41.05	10.33
2	*5785.00	111.61 PK			3.19 V	157	101.22	10.39
3	*5785.00	103.96 AV			3.19 V	157	93.57	10.39
4	#5979.65	53.18 PK	68.20	-15.02	3.19 V	157	42.54	10.64
5	11570.00	57.48 PK	74.00	-16.52	1.58 V	254	39.22	18.26
6	11570.00	47.29 AV	54.00	-6.71	1.58 V	254	29.03	18.26
7	#17355.00	-	-	-	-	-	-	-
8	#23140.00	-	-	-	-	-	-	-
9	#28925.00	-	-	-	-	-	-	-
10	#34710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

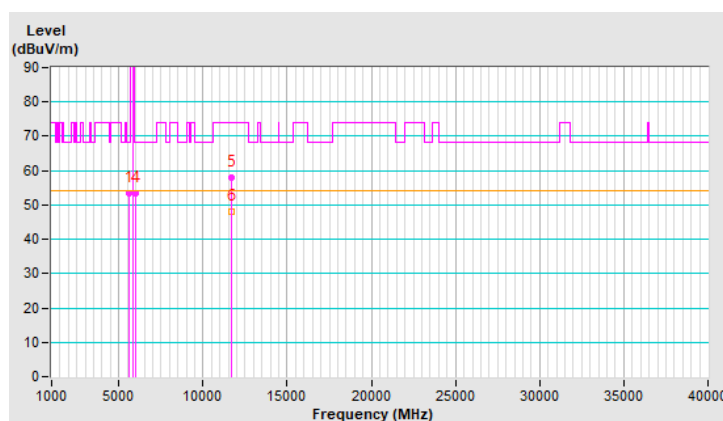


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	20.0°C	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5586.21	53.33 PK	68.20	-14.87	2.84 H	193	42.85	10.48
2	*5825.00	114.03 PK			2.84 H	193	103.67	10.36
3	*5825.00	106.23 AV			2.84 H	193	95.87	10.36
4	#5974.80	53.51 PK	68.20	-14.69	2.84 H	193	42.91	10.60
5	11650.00	58.05 PK	74.00	-15.95	2.88 H	178	39.64	18.41
6	11650.00	47.97 AV	54.00	-6.03	2.88 H	178	29.56	18.41
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

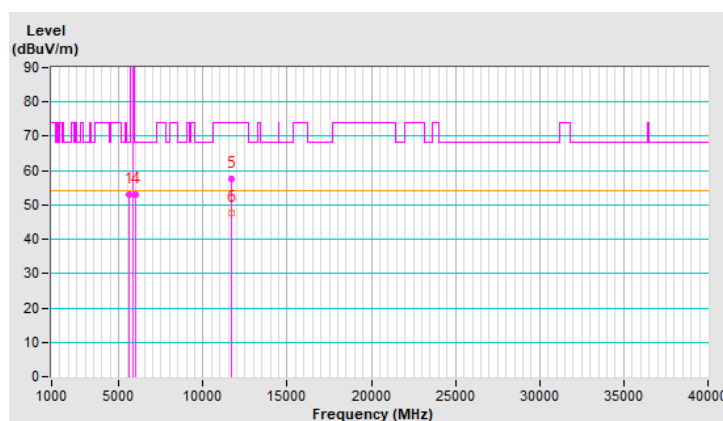


操作模式：	發射 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 165 : 5825 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=560Hz
量測場地溫度：	20.0°C	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5578.51	52.96 PK	68.20	-15.24	3.23 V	169	42.40	10.56
2	*5825.00	110.57 PK			3.23 V	169	100.21	10.36
3	*5825.00	102.94 AV			3.23 V	169	92.58	10.36
4	#5963.77	52.97 PK	68.20	-15.23	3.23 V	169	42.42	10.55
5	11650.00	57.42 PK	74.00	-16.58	2.66 V	186	39.01	18.41
6	11650.00	47.53 AV	54.00	-6.47	2.66 V	186	29.12	18.41
7	#17475.00	-	-	-	-	-	-	-
8	#23300.00	-	-	-	-	-	-	-
9	#29125.00	-	-	-	-	-	-	-
10	#34950.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

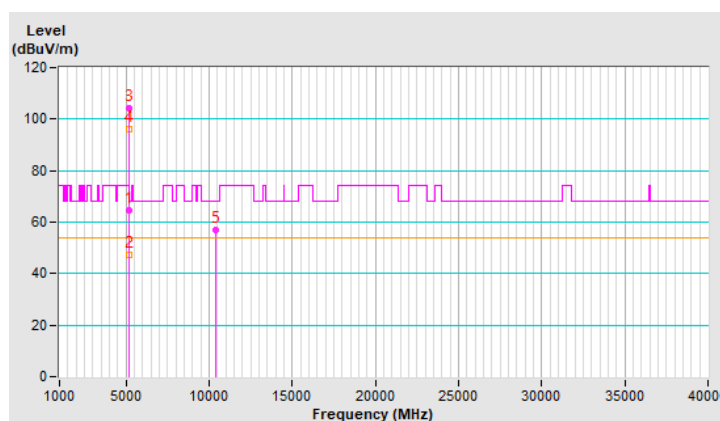


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	64.80 PK	74.00	-9.20	2.79 H	216	54.79	10.01
2	5150.00	47.46 AV	54.00	-6.54	2.79 H	216	37.45	10.01
3	*5190.00	104.44 PK			2.79 H	216	94.35	10.09
4	*5190.00	96.18 AV			2.79 H	216	86.09	10.09
5	#10380.00	56.86 PK	68.20	-11.34	1.87 H	194	40.67	16.19
6	15570.00	-	-	-	-	-	-	-
7	20760.00	-	-	-	-	-	-	-
8	#25950.00	-	-	-	-	-	-	-
9	#31140.00	-	-	-	-	-	-	-
10	#36330.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

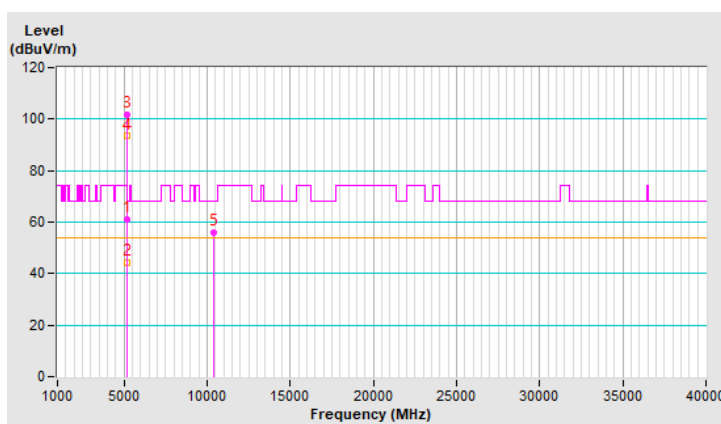


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 38：5190 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.04 PK	74.00	-12.96	3.23 V	168	51.03	10.01
2	5150.00	44.27 AV	54.00	-9.73	3.23 V	168	34.26	10.01
3	*5190.00	101.77 PK			3.23 V	168	91.68	10.09
4	*5190.00	93.33 AV			3.23 V	168	83.24	10.09
5	#10380.00	56.08 PK	68.20	-12.12	1.78 V	144	39.89	16.19
6	15570.00	-	-	-	-	-	-	-
7	20760.00	-	-	-	-	-	-	-
8	#25950.00	-	-	-	-	-	-	-
9	#31140.00	-	-	-	-	-	-	-
10	#36330.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

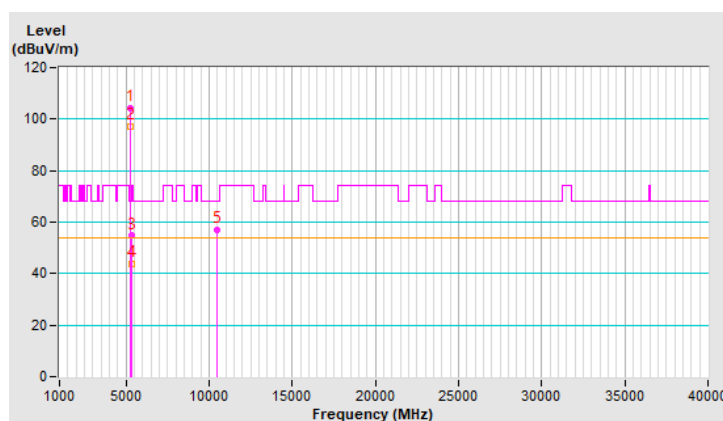


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	104.46 PK			2.81 H	217	94.23	10.23
2	*5230.00	97.07 AV			2.81 H	217	86.84	10.23
3	5350.00	54.68 PK	74.00	-19.32	2.81 H	217	43.69	10.99
4	5350.00	43.88 AV	54.00	-10.12	2.81 H	217	32.89	10.99
5	#10460.00	56.85 PK	68.20	-11.35	2.25 H	206	40.69	16.16
6	15690.00	-	-	-	-	-	-	-
7	20920.00	-	-	-	-	-	-	-
8	#26150.00	-	-	-	-	-	-	-
9	31380.00	-	-	-	-	-	-	-
10	#36610.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

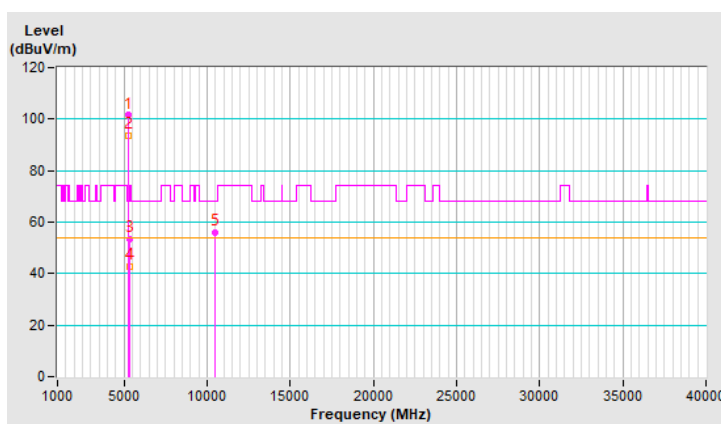


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 46：5230 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5230.00	101.47 PK			3.22 V	161	91.24	10.23
2	*5230.00	93.47 AV			3.22 V	161	83.24	10.23
3	5350.00	53.23 PK	74.00	-20.77	3.22 V	161	42.24	10.99
4	5350.00	42.87 AV	54.00	-11.13	3.22 V	161	31.88	10.99
5	#10460.00	55.80 PK	68.20	-12.40	2.39 V	336	39.64	16.16
6	15690.00	-	-	-	-	-	-	-
7	20920.00	-	-	-	-	-	-	-
8	#26150.00	-	-	-	-	-	-	-
9	31380.00	-	-	-	-	-	-	-
10	#36610.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

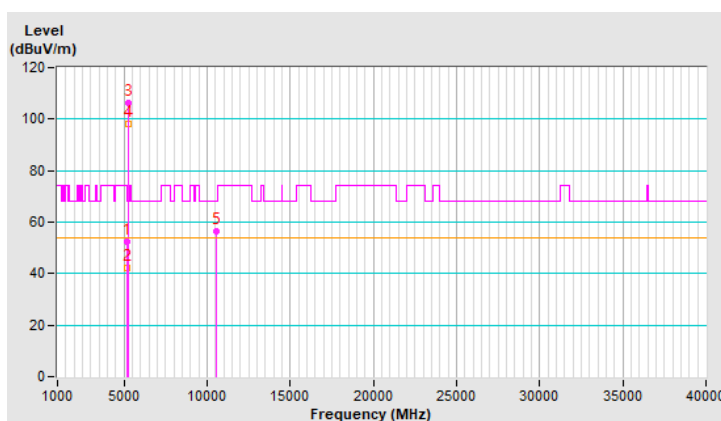


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 54 : 5270 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	52.27 PK	74.00	-21.73	2.64 H	214	42.26	10.01
2	5150.00	42.34 AV	54.00	-11.66	2.64 H	214	32.33	10.01
3	*5270.00	106.19 PK			2.64 H	214	95.74	10.45
4	*5270.00	98.08 AV			2.64 H	214	87.63	10.45
5	#10540.00	56.57 PK	68.20	-11.63	2.24 H	136	40.52	16.05
6	15810.00	-	-	-	-	-	-	-
7	21080.00	-	-	-	-	-	-	-
8	#26350.00	-	-	-	-	-	-	-
9	31620.00	-	-	-	-	-	-	-
10	#36890.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

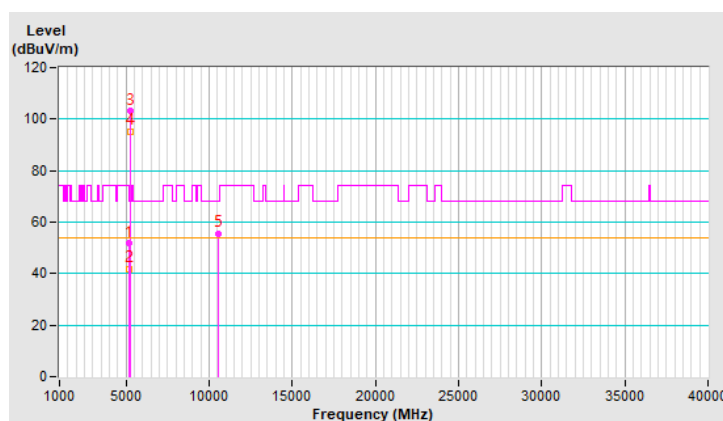


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 54：5270 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.66 PK	74.00	-22.34	3.16 V	167	41.65	10.01
2	5150.00	41.89 AV	54.00	-12.11	3.16 V	167	31.88	10.01
3	*5270.00	102.97 PK			3.16 V	167	92.52	10.45
4	*5270.00	95.11 AV			3.16 V	167	84.66	10.45
5	#10540.00	55.31 PK	68.20	-12.89	1.88 V	112	39.26	16.05
6	15810.00	-	-	-	-	-	-	-
7	21080.00	-	-	-	-	-	-	-
8	#26350.00	-	-	-	-	-	-	-
9	31620.00	-	-	-	-	-	-	-
10	#36890.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

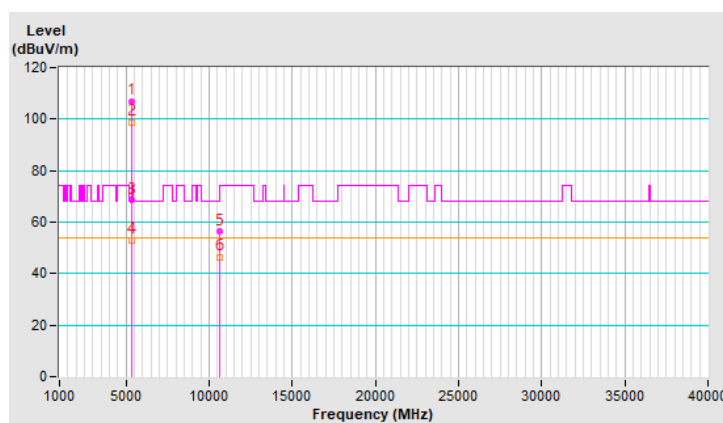


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 62：5310 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	106.82 PK			2.60 H	215	96.08	10.74
2	*5310.00	98.71 AV			2.60 H	215	87.97	10.74
3	5350.00	68.41 PK	74.00	-5.59	2.60 H	215	57.42	10.99
4	5350.00	52.88 AV	54.00	-1.12	2.60 H	215	41.89	10.99
5	10620.00	56.20 PK	74.00	-17.80	2.23 H	210	40.16	16.04
6	10620.00	46.27 AV	54.00	-7.73	2.23 H	210	30.23	16.04
7	15930.00	-	-	-	-	-	-	-
8	21240.00	-	-	-	-	-	-	-
9	#26550.00	-	-	-	-	-	-	-
10	#31860.00	-	-	-	-	-	-	-
11	#37170.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

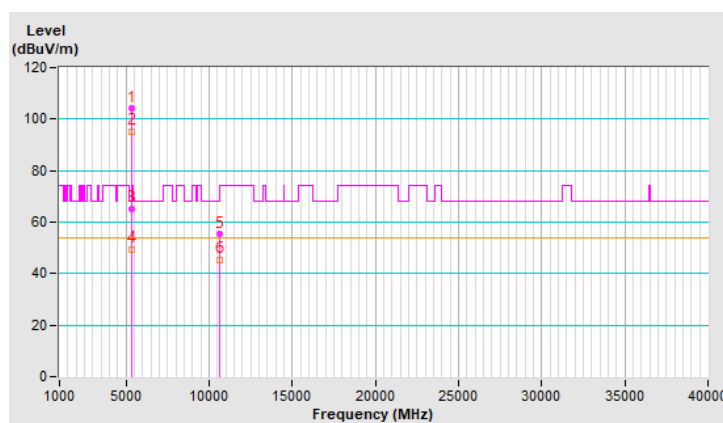


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 62：5310 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5310.00	103.99 PK			3.23 V	166	93.25	10.74
2	*5310.00	95.00 AV			3.23 V	166	84.26	10.74
3	5350.00	65.12 PK	74.00	-8.88	3.23 V	166	54.13	10.99
4	5350.00	49.41 AV	54.00	-4.59	3.23 V	166	38.42	10.99
5	10620.00	55.20 PK	74.00	-18.80	2.88 V	197	39.16	16.04
6	10620.00	45.38 AV	54.00	-8.62	2.88 V	197	29.34	16.04
7	15930.00	-	-	-	-	-	-	-
8	21240.00	-	-	-	-	-	-	-
9	#26550.00	-	-	-	-	-	-	-
10	#31860.00	-	-	-	-	-	-	-
11	#37170.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

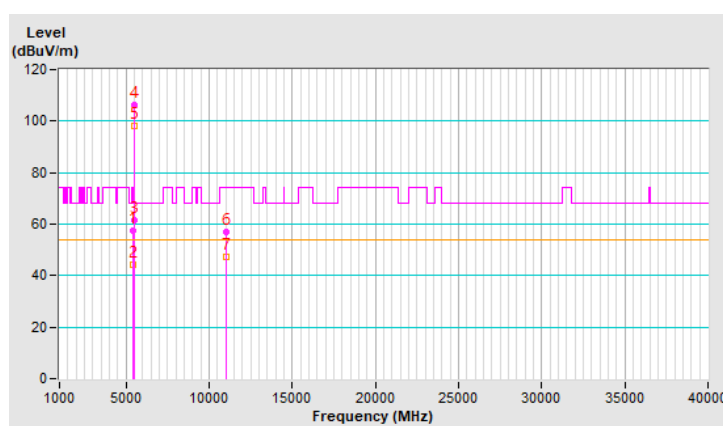


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 102 : 5510 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	57.29 PK	74.00	-16.71	2.65 H	190	46.03	11.26
2	5460.00	44.25 AV	54.00	-9.75	2.65 H	190	32.99	11.26
3	#5470.00	61.58 PK	68.20	-6.62	2.65 H	190	50.30	11.28
4	*5510.00	106.32 PK			2.65 H	190	95.11	11.21
5	*5510.00	98.22 AV			2.65 H	190	87.01	11.21
6	11020.00	57.17 PK	74.00	-16.83	1.99 H	41	40.22	16.95
7	11020.00	47.26 AV	54.00	-6.74	1.99 H	41	30.31	16.95
8	#16530.00	-	-	-	-	-	-	-
9	22040.00	-	-	-	-	-	-	-
10	#27550.00	-	-	-	-	-	-	-
11	#33060.00	-	-	-	-	-	-	-
12	#38570.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

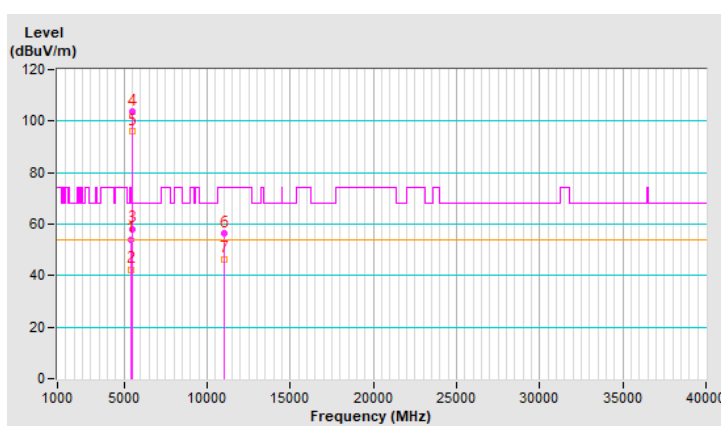


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 102 : 5510 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	53.94 PK	74.00	-20.06	3.16 V	157	42.68	11.26
2	5460.00	42.29 AV	54.00	-11.71	3.16 V	157	31.03	11.26
3	#5470.00	57.97 PK	68.20	-10.23	3.16 V	157	46.69	11.28
4	*5510.00	103.55 PK			3.16 V	157	92.34	11.21
5	*5510.00	95.86 AV			3.16 V	157	84.65	11.21
6	11020.00	56.21 PK	74.00	-17.79	1.28 V	146	39.26	16.95
7	11020.00	46.38 AV	54.00	-7.62	1.28 V	146	29.43	16.95
8	#16530.00	-	-	-	-	-	-	-
9	22040.00	-	-	-	-	-	-	-
10	#27550.00	-	-	-	-	-	-	-
11	#33060.00	-	-	-	-	-	-	-
12	#38570.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

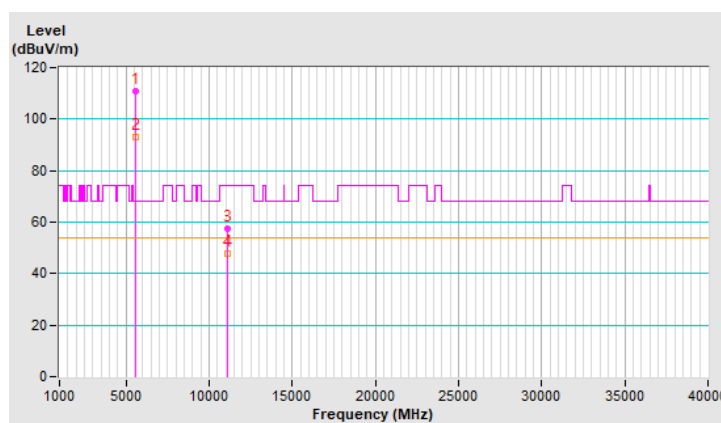


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 110 : 5550 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	110.87 PK			2.69 H	196	100.03	10.84
2	*5550.00	92.97 AV			2.69 H	196	82.13	10.84
3	11100.00	57.51 PK	74.00	-16.49	2.05 H	281	40.27	17.24
4	11100.00	47.67 AV	54.00	-6.33	2.05 H	281	30.43	17.24
5	#16650.00	-	-	-	-	-	-	-
6	22200.00	-	-	-	-	-	-	-
7	#27750.00	-	-	-	-	-	-	-
8	#33300.00	-	-	-	-	-	-	-
9	38850.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

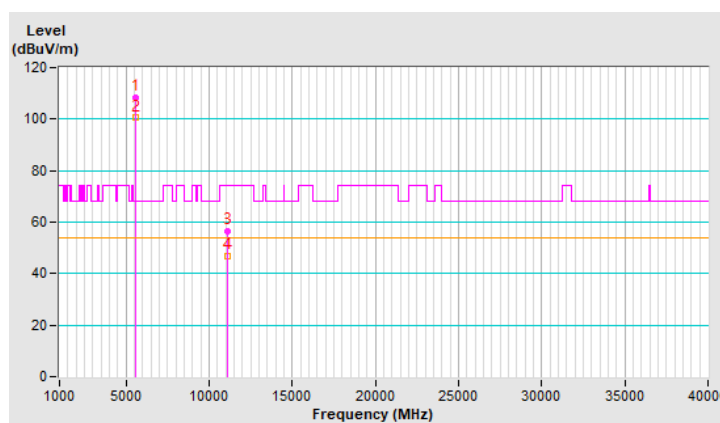


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 110 : 5550 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5550.00	108.27 PK			3.29 V	166	97.43	10.84
2	*5550.00	100.47 AV			3.29 V	166	89.63	10.84
3	11100.00	56.46 PK	74.00	-17.54	2.41 V	161	39.22	17.24
4	11100.00	46.71 AV	54.00	-7.29	2.41 V	161	29.47	17.24
5	#16650.00	-	-	-	-	-	-	-
6	22200.00	-	-	-	-	-	-	-
7	#27750.00	-	-	-	-	-	-	-
8	#33300.00	-	-	-	-	-	-	-
9	38850.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

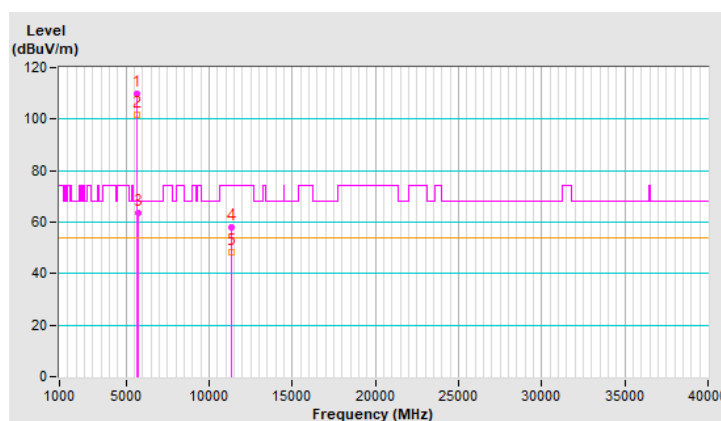


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 134 : 5670 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	109.73 PK			2.68 H	189	99.46	10.27
2	*5670.00	101.65 AV			2.68 H	189	91.38	10.27
3	#5725.00	63.49 PK	68.20	-4.71	2.68 H	189	53.20	10.29
4	11340.00	58.11 PK	74.00	-15.89	1.82 H	246	40.51	17.60
5	11340.00	48.15 AV	54.00	-5.85	1.82 H	246	30.55	17.60
6	#17010.00	-	-	-	-	-	-	-
7	22680.00	-	-	-	-	-	-	-
8	#28350.00	-	-	-	-	-	-	-
9	#34020.00	-	-	-	-	-	-	-
10	39690.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

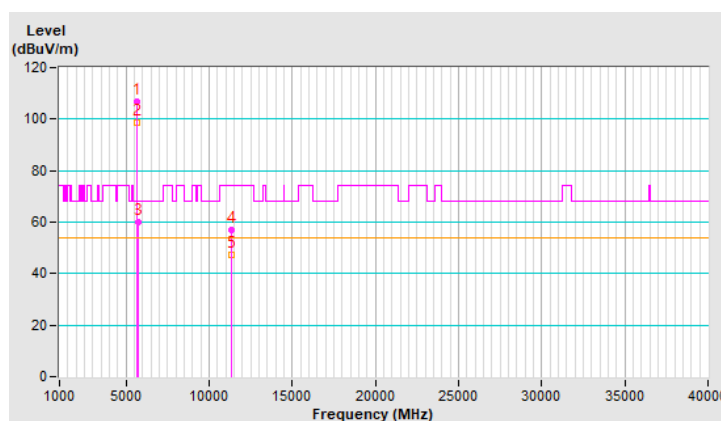


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 134 : 5670 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*5670.00	106.79 PK			3.24 V	167	96.52	10.27
2	*5670.00	98.79 AV			3.24 V	167	88.52	10.27
3	#5725.00	60.15 PK	68.20	-8.05	3.24 V	167	49.86	10.29
4	11340.00	56.91 PK	74.00	-17.09	2.22 V	132	39.31	17.60
5	11340.00	47.21 AV	54.00	-6.79	2.22 V	132	29.61	17.60
6	#17010.00	-	-	-	-	-	-	-
7	22680.00	-	-	-	-	-	-	-
8	#28350.00	-	-	-	-	-	-	-
9	#34020.00	-	-	-	-	-	-	-
10	39690.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

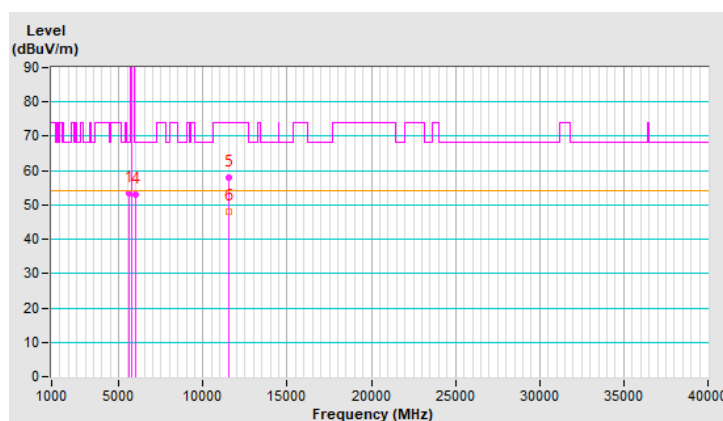


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5623.60	53.25 PK	68.20	-14.95	2.69 H	188	42.94	10.31
2	*5755.00	111.67 PK			2.69 H	188	101.34	10.33
3	*5755.00	101.62 AV			2.69 H	188	91.29	10.33
4	#5967.72	53.11 PK	68.20	-15.09	2.69 H	188	42.53	10.58
5	11510.00	58.06 PK	74.00	-15.94	2.51 H	222	40.02	18.04
6	11510.00	47.93 AV	54.00	-6.07	2.51 H	222	29.89	18.04
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#34530.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

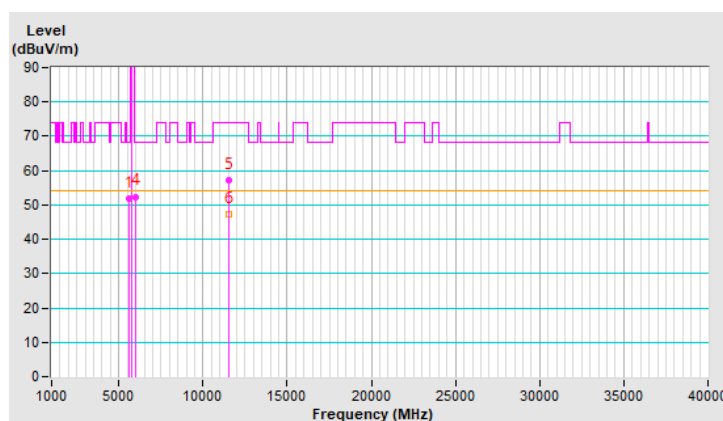


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 151 : 5755 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 6 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5632.65	51.74 PK	68.20	-16.46	3.20 V	164	41.44	10.30
2	*5755.00	108.98 PK			3.20 V	164	98.65	10.33
3	*5755.00	98.59 AV			3.20 V	164	88.26	10.33
4	#5995.86	52.43 PK	68.20	-15.77	3.20 V	164	41.71	10.72
5	11510.00	57.27 PK	74.00	-16.73	1.27 V	184	39.23	18.04
6	11510.00	47.18 AV	54.00	-6.82	1.27 V	184	29.14	18.04
7	#17265.00	-	-	-	-	-	-	-
8	23020.00	-	-	-	-	-	-	-
9	#28775.00	-	-	-	-	-	-	-
10	#34530.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

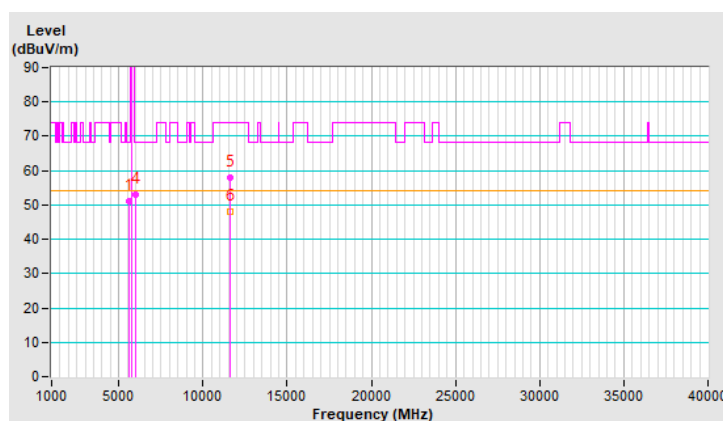


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 6 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5567.71	51.17 PK	68.20	-17.03	2.85 H	195	40.50	10.67
2	*5795.00	111.76 PK			2.85 H	195	101.35	10.41
3	*5795.00	101.58 AV			2.85 H	195	91.17	10.41
4	#6004.37	52.90 PK	68.20	-15.30	2.85 H	195	42.18	10.72
5	11590.00	58.02 PK	74.00	-15.98	1.44 H	186	39.69	18.33
6	11590.00	48.07 AV	54.00	-5.93	1.44 H	186	29.74	18.33
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

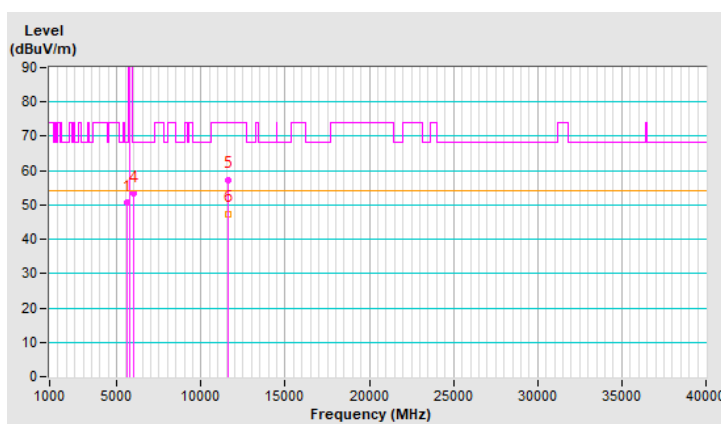


操作模式：	發射 802.11ac (VHT40)	調變技術：	OFDM
基本波頻率：	CH 159 : 5795 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=1.1kHz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 6 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5603.73	50.82 PK	68.20	-17.38	3.30 V	169	40.48	10.34
2	*5795.00	108.69 PK			3.30 V	169	98.28	10.41
3	*5795.00	99.04 AV			3.30 V	169	88.63	10.41
4	#5974.47	53.27 PK	68.20	-14.93	3.30 V	169	42.67	10.60
5	11590.00	57.36 PK	74.00	-16.64	2.01 V	100	39.03	18.33
6	11590.00	47.44 AV	54.00	-6.56	2.01 V	100	29.11	18.33
7	#17385.00	-	-	-	-	-	-	-
8	#23180.00	-	-	-	-	-	-	-
9	#28975.00	-	-	-	-	-	-	-
10	#34770.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

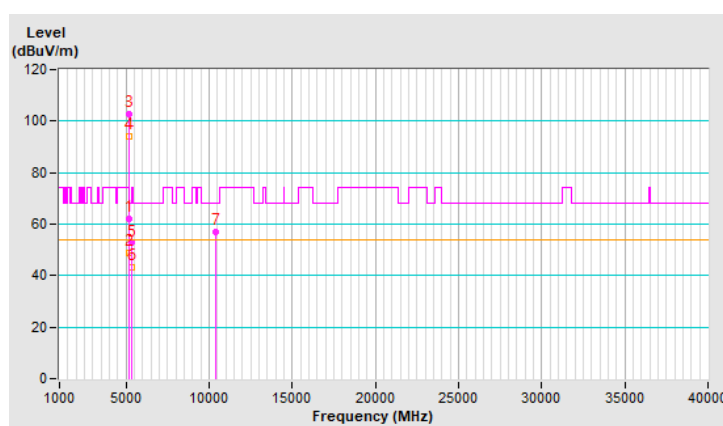


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.2kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	61.88 PK	74.00	-12.12	2.63 H	218	51.87	10.01
2	5150.00	48.92 AV	54.00	-5.08	2.63 H	218	38.91	10.01
3	*5210.00	102.74 PK			2.63 H	218	92.60	10.14
4	*5210.00	94.25 AV			2.63 H	218	84.11	10.14
5	5350.00	52.71 PK	74.00	-21.29	2.63 H	218	41.72	10.99
6	5350.00	43.07 AV	54.00	-10.93	2.63 H	218	32.08	10.99
7	#10420.00	56.80 PK	68.20	-11.40	1.89 H	258	40.62	16.18
8	15630.00	-	-	-	-	-	-	-
9	20840.00	-	-	-	-	-	-	-
10	#26050.00	-	-	-	-	-	-	-
11	31260.00	-	-	-	-	-	-	-
12	36470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

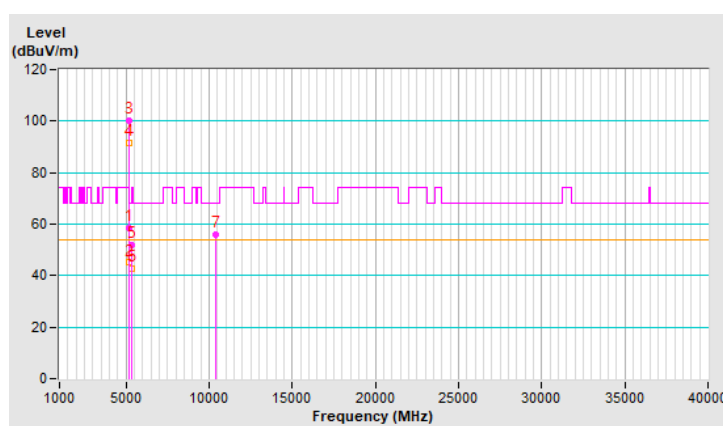


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 42：5210 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.2kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	58.65 PK	74.00	-15.35	3.23 V	162	48.64	10.01
2	5150.00	45.04 AV	54.00	-8.96	3.23 V	162	35.03	10.01
3	*5210.00	100.12 PK			3.23 V	162	89.98	10.14
4	*5210.00	91.56 AV			3.23 V	162	81.42	10.14
5	5350.00	52.01 PK	74.00	-21.99	3.23 V	162	41.02	10.99
6	5350.00	42.62 AV	54.00	-11.38	3.23 V	162	31.63	10.99
7	#10420.00	55.77 PK	68.20	-12.43	2.24 V	167	39.59	16.18
8	15630.00	-	-	-	-	-	-	-
9	20840.00	-	-	-	-	-	-	-
10	#26050.00	-	-	-	-	-	-	-
11	31260.00	-	-	-	-	-	-	-
12	36470.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

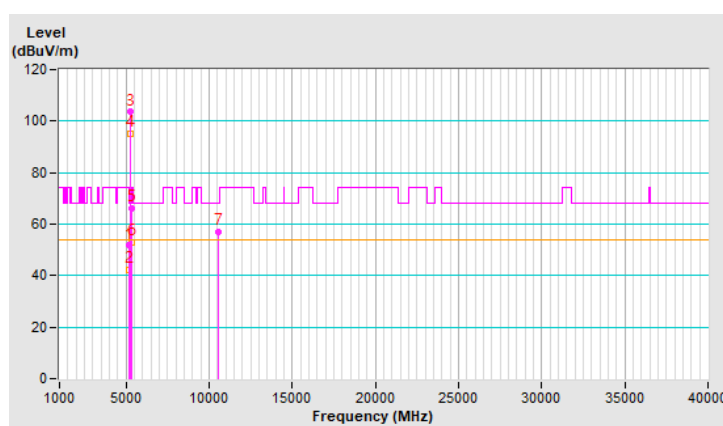


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 58：5290 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.2kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.69 PK	74.00	-22.31	2.60 H	217	41.68	10.01
2	5150.00	42.17 AV	54.00	-11.83	2.60 H	217	32.16	10.01
3	*5290.00	103.53 PK			2.60 H	217	92.93	10.60
4	*5290.00	95.18 AV			2.60 H	217	84.58	10.60
5	5350.00	65.99 PK	74.00	-8.01	2.60 H	217	55.00	10.99
6	5350.00	52.95 AV	54.00	-1.05	2.60 H	217	41.96	10.99
7	#10580.00	56.83 PK	68.20	-11.37	1.42 H	138	40.85	15.98
8	15870.00	-	-	-	-	-	-	-
9	21160.00	-	-	-	-	-	-	-
10	#26450.00	-	-	-	-	-	-	-
11	31740.00	-	-	-	-	-	-	-
12	#37030.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

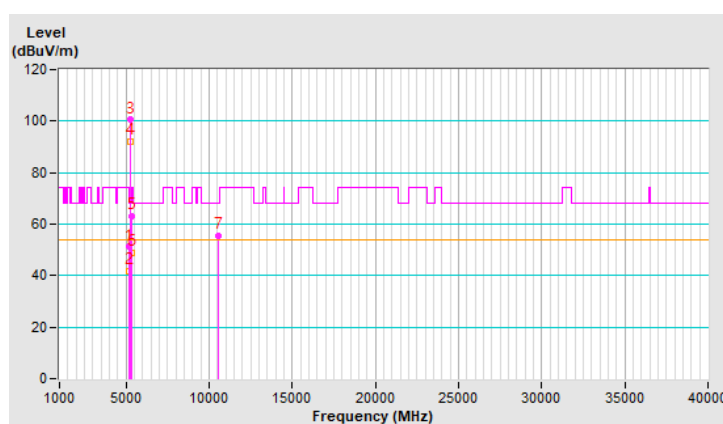


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 58：5290 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.2kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 4 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5150.00	51.14 PK	74.00	-22.86	3.19 V	157	41.13	10.01
2	5150.00	41.68 AV	54.00	-12.32	3.19 V	157	31.67	10.01
3	*5290.00	100.48 PK			3.19 V	157	89.88	10.60
4	*5290.00	91.94 AV			3.19 V	157	81.34	10.60
5	5350.00	63.12 PK	74.00	-10.88	3.19 V	157	52.13	10.99
6	5350.00	48.83 AV	54.00	-5.17	3.19 V	157	37.84	10.99
7	#10580.00	55.62 PK	68.20	-12.58	2.96 V	235	39.64	15.98
8	15870.00	-	-	-	-	-	-	-
9	21160.00	-	-	-	-	-	-	-
10	#26450.00	-	-	-	-	-	-	-
11	31740.00	-	-	-	-	-	-	-
12	#37030.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

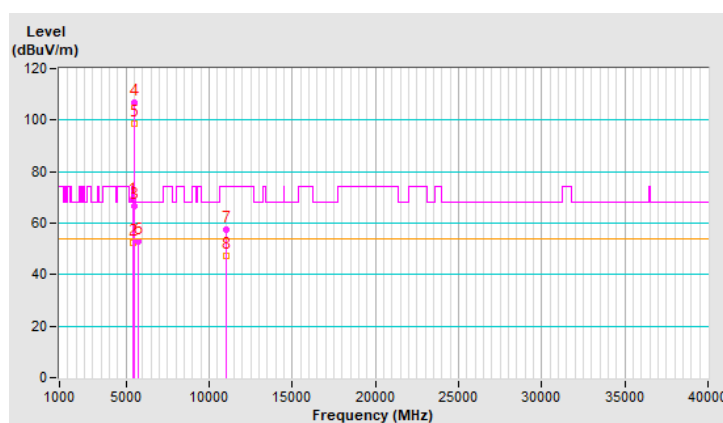


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 106：5530 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.2kHz
量測場地溫度：	16.0°C	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	68.92 PK	74.00	-5.08	2.66 H	185	57.66	11.26
2	5460.00	52.60 AV	54.00	-1.40	2.66 H	185	41.34	11.26
3	#5470.00	66.64 PK	68.20	-1.56	2.66 H	185	55.36	11.28
4	*5530.00	106.71 PK			2.66 H	185	95.69	11.02
5	*5530.00	98.72 AV			2.66 H	185	87.70	11.02
6	#5725.00	52.77 PK	68.20	-15.43	2.66 H	185	42.48	10.29
7	11060.00	57.34 PK	74.00	-16.66	1.34 H	166	40.25	17.09
8	11060.00	47.34 AV	54.00	-6.66	1.34 H	166	30.25	17.09
9	#16590.00	-	-	-	-	-	-	-
10	22120.00	-	-	-	-	-	-	-
11	#27650.00	-	-	-	-	-	-	-
12	#33180.00	-	-	-	-	-	-	-
13	38710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

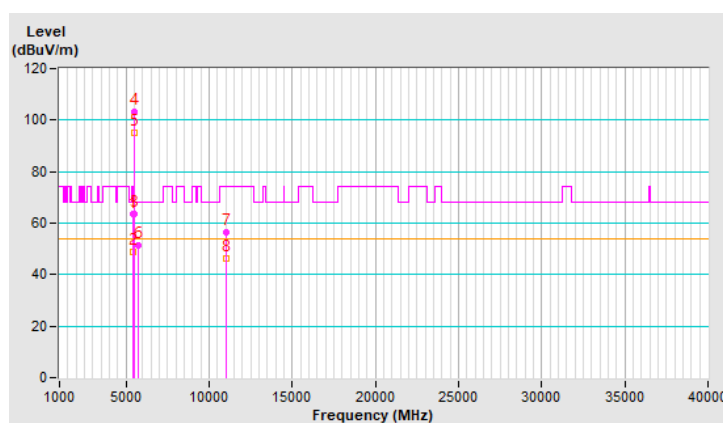


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 106：5530 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.2kHz
量測場地溫度：	16.0℃	量測場地濕度：	72.0%RH
測試日期：	110 年 3 月 5 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5460.00	63.32 PK	74.00	-10.68	3.18 V	157	52.06	11.26
2	5460.00	48.90 AV	54.00	-5.10	3.18 V	157	37.64	11.26
3	#5470.00	63.44 PK	68.20	-4.76	2.18 V	157	52.16	11.28
4	*5530.00	103.38 PK			3.18 V	157	92.36	11.02
5	*5530.00	95.18 AV			3.18 V	157	84.16	11.02
6	#5725.00	51.55 PK	68.20	-16.65	3.18 V	157	41.26	10.29
7	11060.00	56.35 PK	74.00	-17.65	2.99 V	330	39.26	17.09
8	11060.00	46.25 AV	54.00	-7.75	2.99 V	330	29.16	17.09
9	#16590.00	-	-	-	-	-	-	-
10	22120.00	-	-	-	-	-	-	-
11	#27650.00	-	-	-	-	-	-	-
12	#33180.00	-	-	-	-	-	-	-
13	38710.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

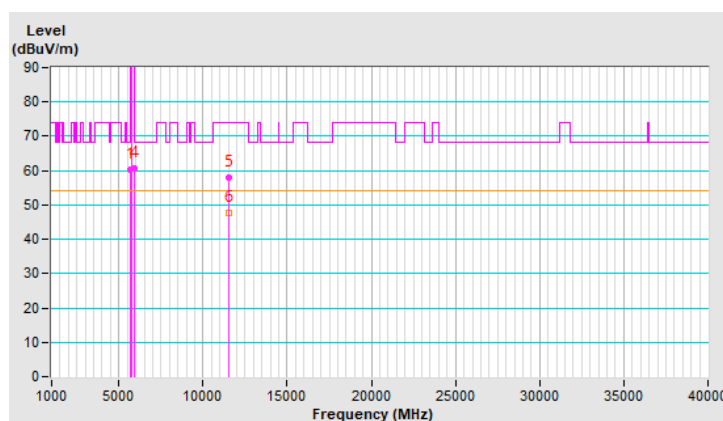


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.2kHz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 6 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5647.85	60.34 PK	68.20	-7.86	2.80 H	192	50.06	10.28
2	*5775.00	109.33 PK			2.80 H	192	98.96	10.37
3	*5775.00	98.66 AV			2.80 H	192	88.29	10.37
4	#5935.13	60.59 PK	68.20	-7.61	2.80 H	192	50.19	10.40
5	11550.00	57.82 PK	74.00	-16.18	2.22 H	263	39.64	18.18
6	11550.00	47.72 AV	54.00	-6.28	2.22 H	263	29.54	18.18
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#34650.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.

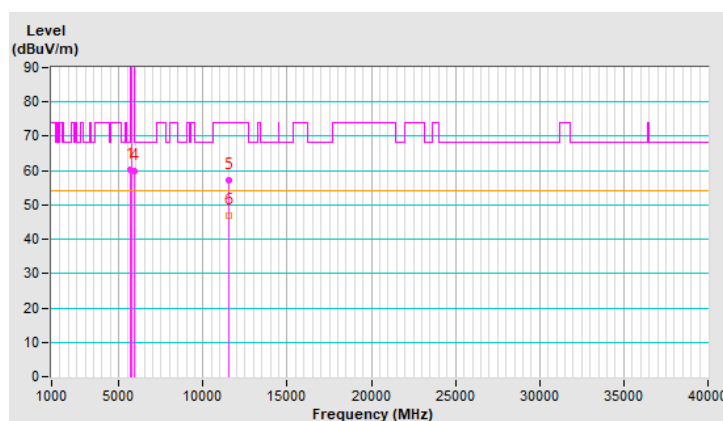


操作模式：	發射 802.11ac (VHT80)	調變技術：	OFDM
基本波頻率：	CH 155 : 5775 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=2.2kHz
量測場地溫度：	20.0℃	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 6 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	#5651.92	60.21 PK	69.62	-9.41	3.28 V	161	49.93	10.28
2	*5775.00	105.82 PK			3.28 V	161	95.45	10.37
3	*5775.00	95.66 AV			3.28 V	161	85.29	10.37
4	#5926.27	59.79 PK	68.20	-8.41	3.28 V	161	49.45	10.34
5	11550.00	57.07 PK	74.00	-16.93	1.84 V	120	38.89	18.18
6	11550.00	47.01 AV	54.00	-6.99	1.84 V	120	28.83	18.18
7	#17325.00	-	-	-	-	-	-	-
8	23100.00	-	-	-	-	-	-	-
9	#28875.00	-	-	-	-	-	-	-
10	#34650.00	-	-	-	-	-	-	-

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.
5. " * ": Fundamental frequency (主頻).
6. " # ": The radiated frequency is out of the restricted band.
7. " - ": The emission levels were too low to be detected.
8. The blank is not available, the limit of fundamental frequency was restricted at the output power.



9.6.2 接收諧波

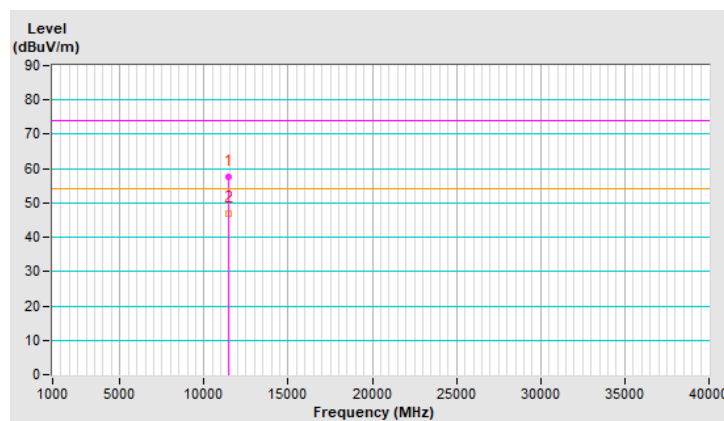
802.11ac (VHT20)

操作模式：	接收		
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz(RMS)
量測場地溫度：	20.0°C	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 6 日	測試者：	張君煌

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11490.00	57.66 PK	74.00	-16.34	2.88 H	221	39.69	17.97
2	11490.00	46.91 AV	54.00	-7.09	2.88 H	221	28.94	17.97

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.

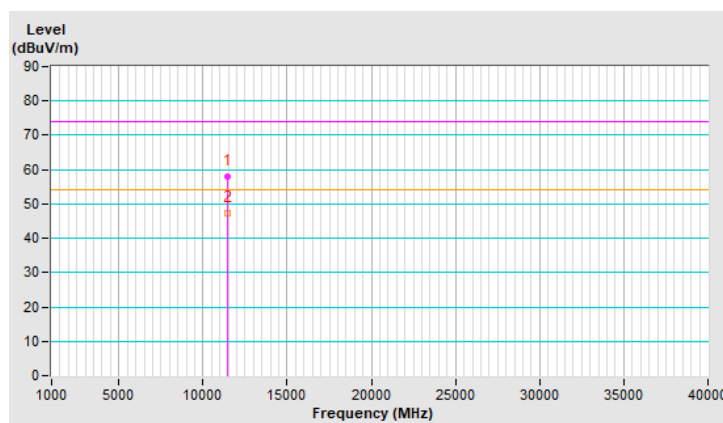


操作模式：	接收		
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(PK) RB=1MHz, VB=3MHz (AV) RB=1MHz, VB=3MHz(RMS)
量測場地溫度：	20.0°C	量測場地濕度：	65.0%RH
測試日期：	110 年 3 月 6 日	測試者：	張君煌

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	11490.00	58.10 PK	74.00	-15.90	2.25 V	134	40.13	17.97
2	11490.00	47.29 AV	54.00	-6.71	2.25 V	134	29.32	17.97

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit.



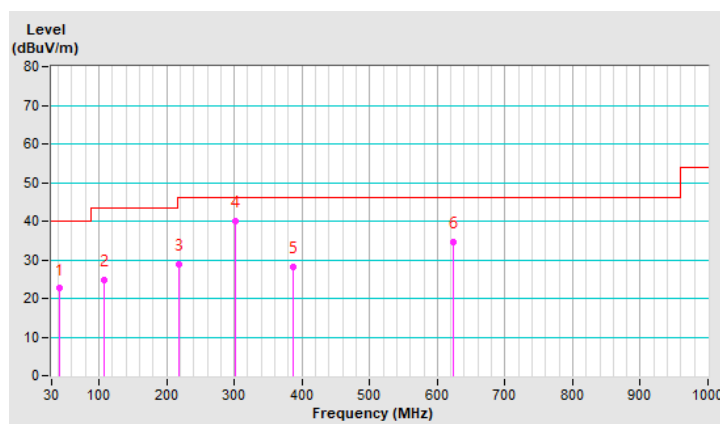
9.6.3 其它不必要之訊號

操作模式：	發射接收 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 149 : 5745 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	20.0°C	量測場地濕度：	74.0%RH
測試日期：	110 年 3 月 8 日	測試者：	吳俊頤

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	41.20	22.55 QP	40.00	-17.45	1.56 H	56	30.02	-7.47
2	106.63	24.75 QP	43.50	-18.75	1.49 H	223	35.04	-10.29
3	218.76	28.91 QP	46.00	-17.09	1.82 H	142	37.49	-8.58
4	300.97	40.16 QP	46.00	-5.84	1.70 H	56	44.47	-4.31
5	387.11	28.08 QP	46.00	-17.92	1.93 H	314	30.37	-2.29
6	624.03	34.67 QP	46.00	-11.33	1.15 H	150	31.65	3.02

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

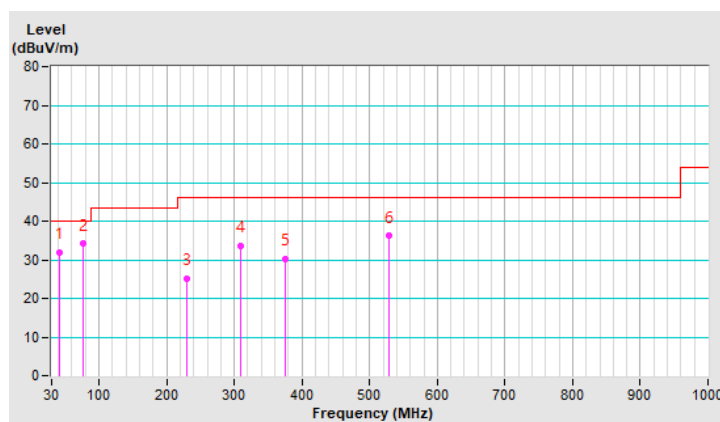


操作模式：	發射接收 802.11ac (VHT20)	調變技術：	OFDM
基本波頻率：	CH 149：5745 MHz	檢測器與頻寬：	(QP) RB=120kHz
量測場地溫度：	20.0°C	量測場地濕度：	74.0%RH
測試日期：	110 年 3 月 8 日	測試者：	吳俊穎

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	40.91	31.93 QP	40.00	-8.07	1.37 V	131	39.44	-7.51
2	77.24	34.09 QP	40.00	-5.91	1.26 V	3	44.94	-10.85
3	229.00	25.04 QP	46.00	-20.96	1.43 V	152	33.57	-8.53
4	309.65	33.65 QP	46.00	-12.35	1.68 V	305	37.64	-3.99
5	376.05	30.15 QP	46.00	-15.85	1.19 V	15	32.62	-2.47
6	528.00	36.17 QP	46.00	-9.83	1.08 V	171	35.61	0.56

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin value = Emission Level – Limit value
4. The other emission levels were very low against the limit of frequency range 30MHz~1000MHz.
5. The emission levels were very low against the limit of frequency range 9kHz~30MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



9.7 輻射量測之配置照片

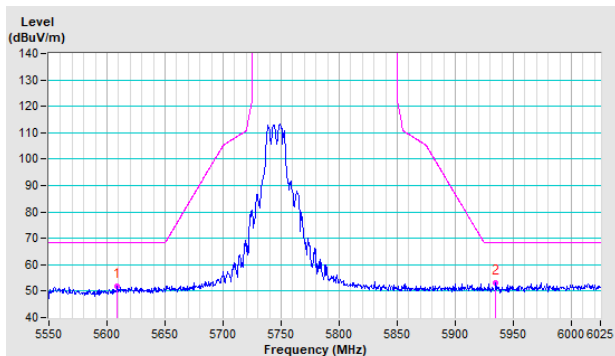
請參照 Test Setup Photos: BEIU-WTW-P21020022_TSup

9.7.1 帶外發射之量測 (For 5.725 GHz~5.850 GHz band)

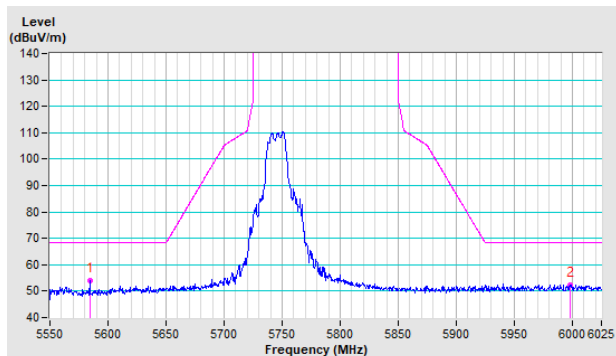
802.11a

CH 149 5745 MHz

Horizontal

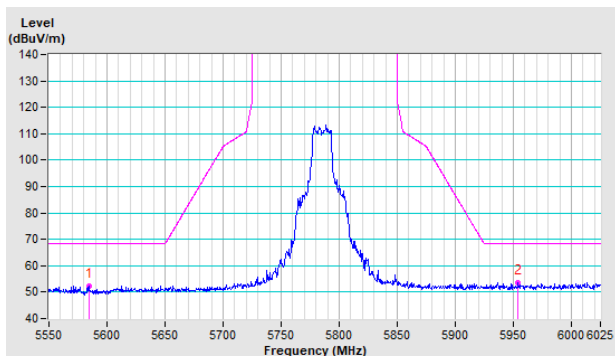


Vertical

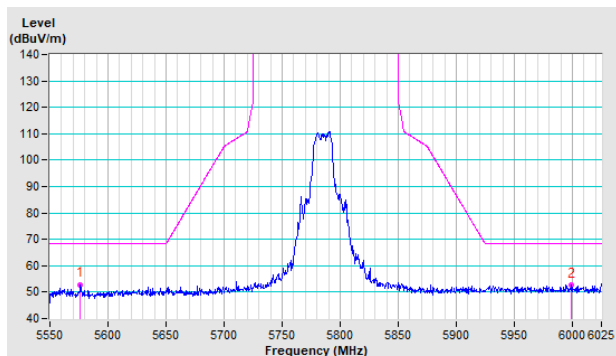


CH 157 5785 MHz

Horizontal

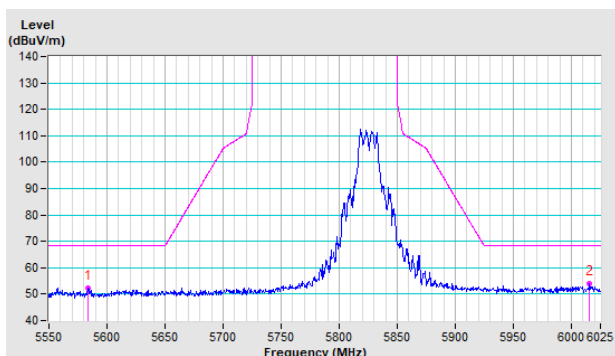


Vertical

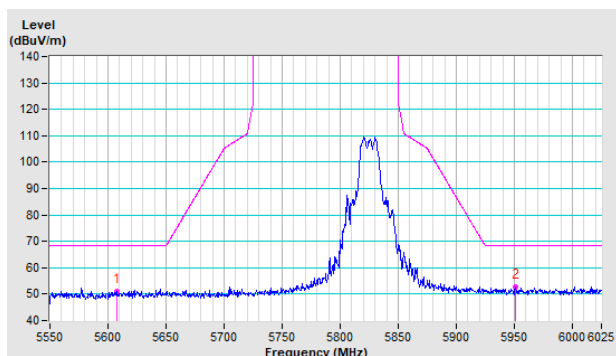


CH 165 5825 MHz

Horizontal



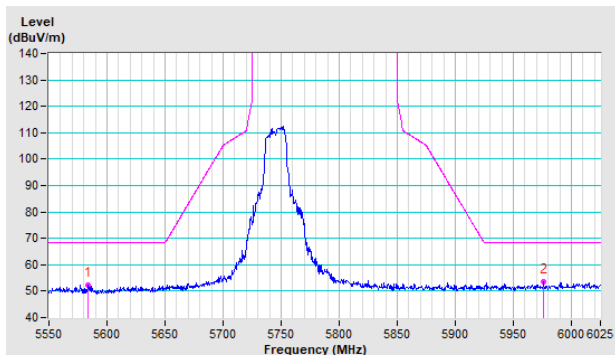
Vertical



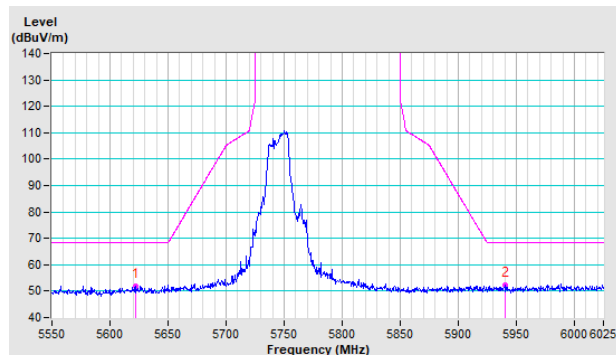
802.11ac (VHT20)

CH 149 5745 MHz

Horizontal

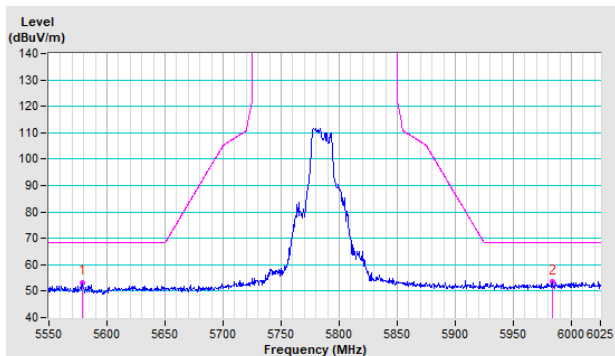


Vertical

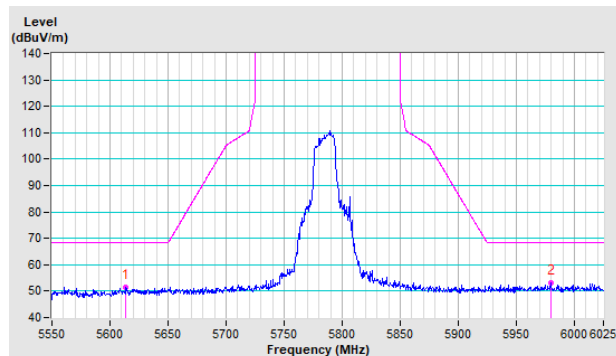


CH 157 5785 MHz

Horizontal

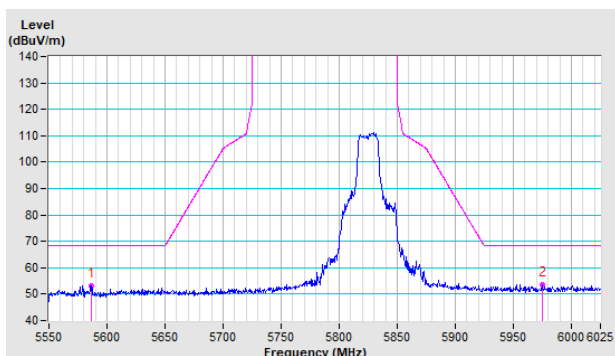


Vertical

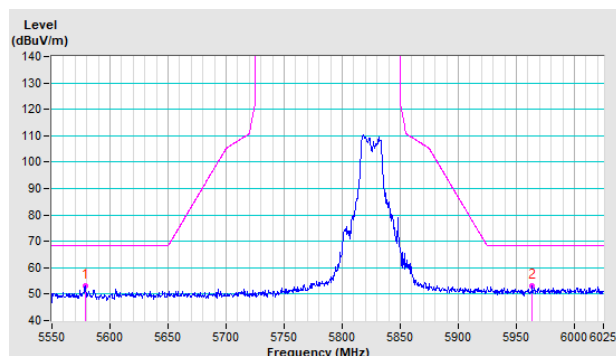


CH 165 5825 MHz

Horizontal



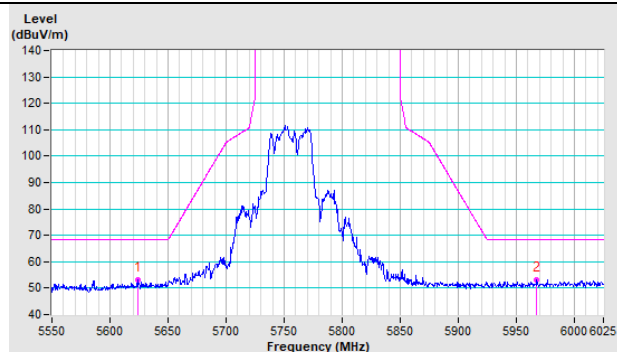
Vertical



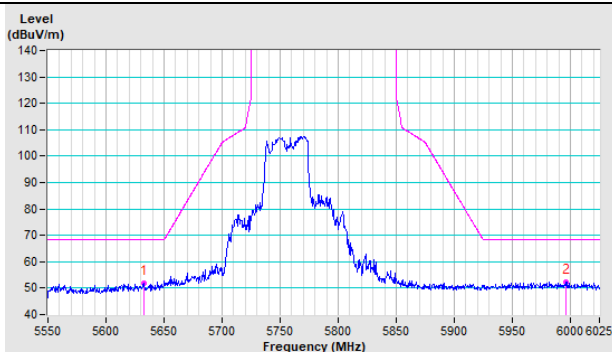
802.11ac (VHT40)

CH 151 5755 MHz

Horizontal

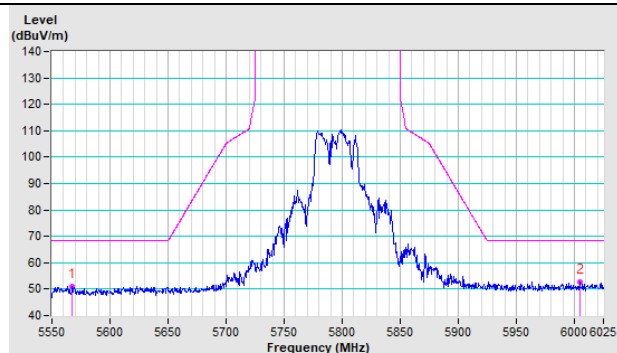


Vertical

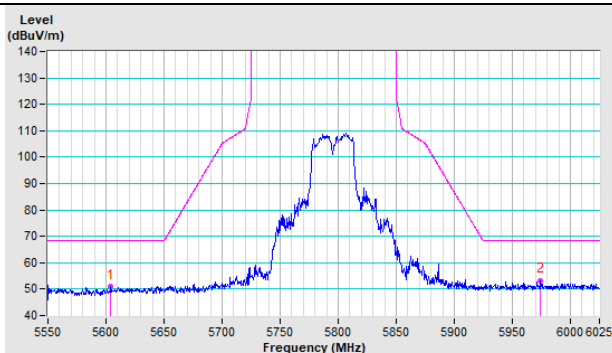


CH 159 5795 MHz

Horizontal



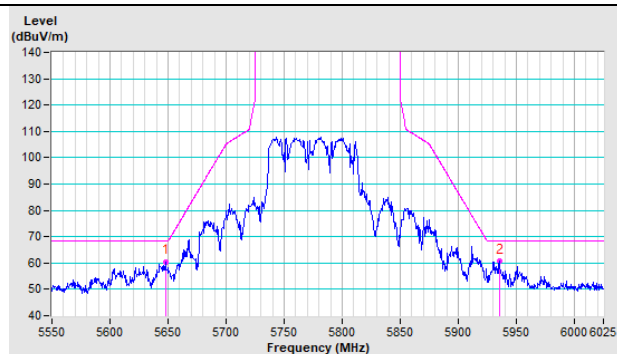
Vertical



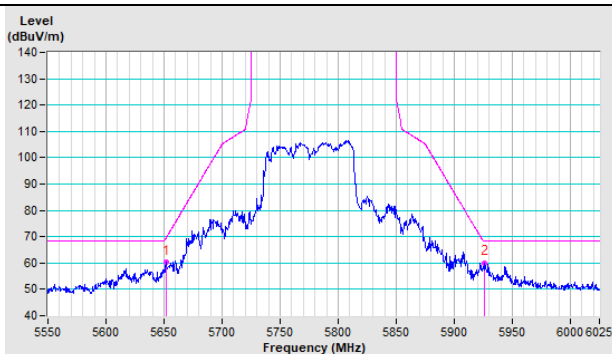
802.11ac (VHT80)

CH 155 5775 MHz

Horizontal



Vertical



9.8 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

10 電源線傳導干擾之量測

10.1 適用標準

請見本報告 3.1 節第 1 項的規定。

10.2 量測方法

將待測物置於 0.8 米高的非金屬桌面，使其操作在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由 0.15 MHz 至 30 MHz 之間之電源線傳導放射強度。

10.3 量測儀器

同 5.3 節

10.4 測試配置

同 5.4 節

10.5 干擾值之計算

餘裕度 Margin(dB)= 結果值 Emission level (dBuV)-限制值 Limit value (dBuV)

電源傳導干擾電壓之計算公式如下

結果值 Emission level (dBuV)=校正因子 Correction Factor (dB)+儀器讀值 Reading value (dBuV)

其中校正因子 Correction Factor (dB)為：

饋線損失+電源阻抗模擬網路損失

10.6 量測結果

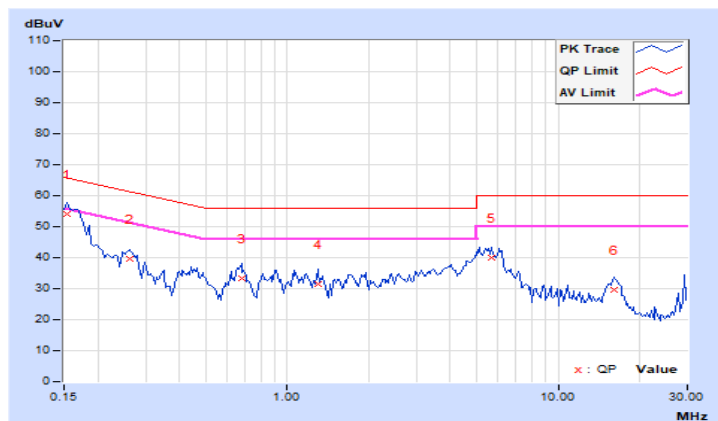
802.11ac (VHT20)

操作模式	發射/接收	測試日期	110 年 3 月 23 日
基本波頻率	CH 149 : 5745 MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	張君煌		

		6 dB Bandwidth: 9kHz				PHASE: LINE (L)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15391	9.70	44.34	36.23	54.04	45.93	65.79	55.79	-11.75	-9.86
0.26328	9.69	29.84	22.87	39.53	32.56	61.33	51.33	-21.80	-18.77
0.67734	9.69	23.64	15.53	33.33	25.22	56.00	46.00	-22.67	-20.78
1.29297	9.71	21.82	11.37	31.53	21.08	56.00	46.00	-24.47	-24.92
5.66797	9.79	30.24	25.57	40.03	35.36	60.00	50.00	-19.97	-14.64
16.02734	9.96	19.64	13.75	29.60	23.71	60.00	50.00	-30.40	-26.29

NOTE:

- 1.Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2.The emission levels of other frequencies were very low against the limit.
- 3.Margin value = Emission level - Limit value
- 4.Correction factor = Insertion loss + Cable loss
- 5.Emission Level = Correction Factor + Reading Value.

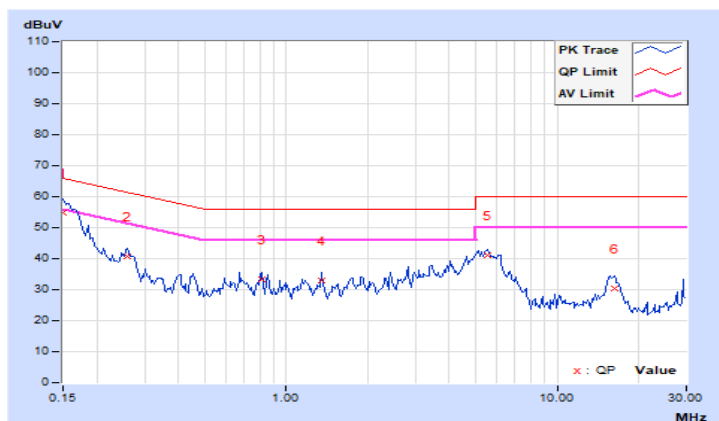


操作模式	發射/接收	測試日期	110 年 3 月 23 日
基本波頻率	CH 149 : 5745 MHz	量測場地溫度	25°C
調變技術	OFDM	量測場地濕度	75%RH
測試者	張君煌		

		6 dB Bandwidth: 9kHz				PHASE: NEUTRAL (N)			
輻射頻率	校正因子	儀器讀值		結果值		限制值		餘裕度	
[MHz]	[dB]	[dB (uV)]		[dB (uV)]		[dB (uV)]		[dB]	
		Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
0.15000	9.69	45.24	33.59	54.93	43.28	66.00	56.00	-11.07	-12.72
0.25938	9.68	30.92	22.87	40.60	32.55	61.45	51.45	-20.85	-18.90
0.81016	9.70	23.64	18.68	33.34	28.38	56.00	46.00	-22.66	-17.62
1.35156	9.71	23.38	19.32	33.09	29.03	56.00	46.00	-22.91	-16.97
5.53516	9.78	31.46	27.45	41.24	37.23	60.00	50.00	-18.76	-12.77
16.28125	9.99	20.44	13.90	30.43	23.89	60.00	50.00	-29.57	-26.11

NOTE:

- 1.Q.P. and AV. are abbreviations of quasi-peak and average individually.
- 2.The emission levels of other frequencies were very low against the limit.
- 3.Margin value = Emission level - Limit value
- 4.Correction factor = Insertion loss + Cable loss
- 5.Emission Level = Correction Factor + Reading Value.



10.7 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

10.8 配置照片

請參照 Test Setup Photos: BEIU-WTW-P21020022_TSup

11 傳導輸出功率量測及發射頻寬之要求

11.1 適用標準

待測物操作頻帶	適用標準
☒ 5.15 GHz~5.25 GHz	請見本報告 3.1 節第 6 項(II)及 4 項(II)的規定
☒ 5.25 GHz~5.35 GHz	請見本報告 3.1 節第 6 項(III)及 4 項(III)的規定
☒ 5.470 GHz~5.725 GHz	請見本報告 3.1 節第 6 項(III)及 4 項(III)的規定
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第 6 項(IV)及 4 項(IV)的規定

11.2 量測方法

傳導輸出功率量測方法：

- 將待測物輸出經由衰減器接到功率計上。
- 設定待測物處於連續發射狀態。
- 計算其最大傳導輸出功率。

對於發射的頻道其中心頻率點低於 5.725GHz，但其發射頻寬跨越至 5725~5850 MHz 頻帶：

- 將待測物輸出接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 設定頻譜掃瞄寬為 26dB occupied bandwidth。
- 設置解析頻寬為 1MHz，視訊頻寬為 3 倍的解析頻寬。
- 設置測試掃瞄點數要大於 2 倍的(span/RBW)。
- 設置檢波器為 RMS。
- 設置掃瞄時間為 auto。
- 設置 Trigger 模式為 free run (當 Duty cycle 大於 98%)；設置 Trigger 模式為 Video trigger(當 Duty cycle 小於 98%)。
- 設置 Trace mode 為 average 至少 100 次。
- 待掃描結果穩定。
- 使用頻譜的內建 band power 功能,量測 26dB bandwidth 內最大功率值。

發射頻寬量測方法：

- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 最大輸出功率峰值減 26dB 的最大頻率範圍。

11.3 量測儀器

峰值傳導輸出功率量測儀器:同 7.3 節

發射頻寬之量測儀器: 同 6.3 節

11.4 測試配置

峰值傳導輸出功率測試配置:同 7.4 節

發射頻寬之測試配置: 同 6.4 節

11.5 量測結果

操作模式	發射	測試日期	110 年 3 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	謝昕霖		

802.11a

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	11.42	12.35	31.047	14.92	24	Pass
40	5200	11.46	12.14	30.364	14.82	24	Pass
48	5240	11.92	12.73	34.310	15.35	24	Pass
52	5260	11.74	12.85	34.203	15.34	24	Pass
60	5300	12.22	13.00	36.625	15.64	24	Pass
64	5320	11.80	13.13	35.695	15.53	24	Pass
100	5500	17.86	18.91	138.898	21.43	24	Pass
116	5580	18.39	19.13	150.870	21.79	24	Pass
140	5700	15.16	16.21	74.593	18.73	24	Pass
149	5745	18.56	19.44	159.682	22.03	30	Pass
157	5785	18.46	19.47	158.657	22.00	30	Pass
165	5825	18.51	19.62	162.580	22.11	30	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(22.77) = 24.57\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(22.58) = 24.54\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(22.66) = 24.55\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(25.01) = 24.98\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(22.71) = 24.56\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(22.80) = 24.58\text{ dBm} > 24\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(21.91) = 24.41\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(21.98) = 24.42\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(21.83) = 24.39\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(24.59) = 24.91\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(25.16) = 25.01\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(22.07) = 24.44\text{ dBm} > 24\text{dBm}$.

802.11ac (VHT20)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
36	5180	11.37	12.31	30.730	14.88	24	Pass
40	5200	11.59	12.12	30.714	14.87	24	Pass
48	5240	11.70	12.39	32.129	15.07	24	Pass
52	5260	11.86	12.57	33.418	15.24	24	Pass
60	5300	12.22	13.13	37.231	15.71	24	Pass
64	5320	12.19	12.98	36.419	15.61	24	Pass
100	5500	18.17	18.79	141.298	21.50	24	Pass
116	5580	18.50	19.21	154.163	21.88	24	Pass
140	5700	15.53	16.25	77.897	18.92	24	Pass
149	5745	17.78	18.69	133.940	21.27	30	Pass
157	5785	17.96	18.81	138.550	21.42	30	Pass
165	5825	17.91	18.99	141.052	21.49	30	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(23.68) = 24.74\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(23.43) = 24.70\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(23.41) = 24.69\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(26.21) = 25.18\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(34.93) = 26.43\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(23.35) = 24.68\text{ dBm} > 24\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(23.50) = 24.71\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(23.22) = 24.66\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(23.53) = 24.72\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(26.37) = 25.21\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(37.35) = 26.72\text{ dBm} > 24\text{dBm}$.
6. $11\text{dBm} + 10\log(24.14) = 24.83\text{ dBm} > 24\text{dBm}$.

802.11ac (VHT40)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
38	5190	12.71	13.55	41.310	16.16	24	Pass
46	5230	12.41	13.82	41.517	16.18	24	Pass
54	5270	12.45	13.60	40.488	16.07	24	Pass
62	5310	12.67	13.79	42.426	16.28	24	Pass
102	5510	13.24	13.97	46.032	16.63	24	Pass
110	5550	18.73	19.51	163.975	22.15	24	Pass
134	5670	16.50	17.25	97.757	19.90	24	Pass
151	5755	18.77	19.67	168.019	22.25	30	Pass
159	5795	18.84	19.75	170.966	22.33	30	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(42.51) = 27.28\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(42.80) = 27.31\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(42.54) = 27.29\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(80.15) = 30.04\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(42.68) = 27.30\text{ dBm} > 24\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(42.63) = 27.30\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(42.76) = 27.31\text{ dBm} > 24\text{dBm}$.
3. $11\text{dBm} + 10\log(42.35) = 27.27\text{ dBm} > 24\text{dBm}$.
4. $11\text{dBm} + 10\log(77.75) = 29.91\text{ dBm} > 24\text{dBm}$.
5. $11\text{dBm} + 10\log(42.69) = 27.30\text{ dBm} > 24\text{dBm}$.

802.11ac (VHT80)

Chan.	Freq. (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass / Fail
		Chain 0	Chain 1				
42	5210	11.47	13.32	35.506	15.50	24	Pass
58	5290	11.59	13.69	37.810	15.78	24	Pass
106	5530	15.36	17.66	92.700	19.67	24	Pass
155	5775	18.75	20.46	186.163	22.70	30	Pass

NOTE:

For U-NII-2A, U-NII-2C Band:

Chain 0

1. $11\text{dBm} + 10\log(84.96) = 30.29\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(84.90) = 30.29\text{ dBm} > 24\text{dBm}$.

Chain 1

1. $11\text{dBm} + 10\log(85.01) = 30.29\text{ dBm} > 24\text{dBm}$.
2. $11\text{dBm} + 10\log(85.37) = 30.31\text{ dBm} > 24\text{dBm}$.

26dB BANDWIDTH:

802.11a

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	23.21	21.67
40	5200	23.01	21.74
48	5240	22.71	22.36
52	5260	22.77	21.91
60	5300	22.58	21.98
64	5320	22.66	21.83
100	5500	25.01	24.59
116	5580	22.71	25.16
140	5700	22.80	22.07

802.11ac (VHT20)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
36	5180	23.45	23.11
40	5200	23.39	23.02
48	5240	23.46	23.28
52	5260	23.68	23.50
60	5300	23.43	23.22
64	5320	23.41	23.53
100	5500	26.21	26.37
116	5580	34.93	37.35
140	5700	23.35	24.14

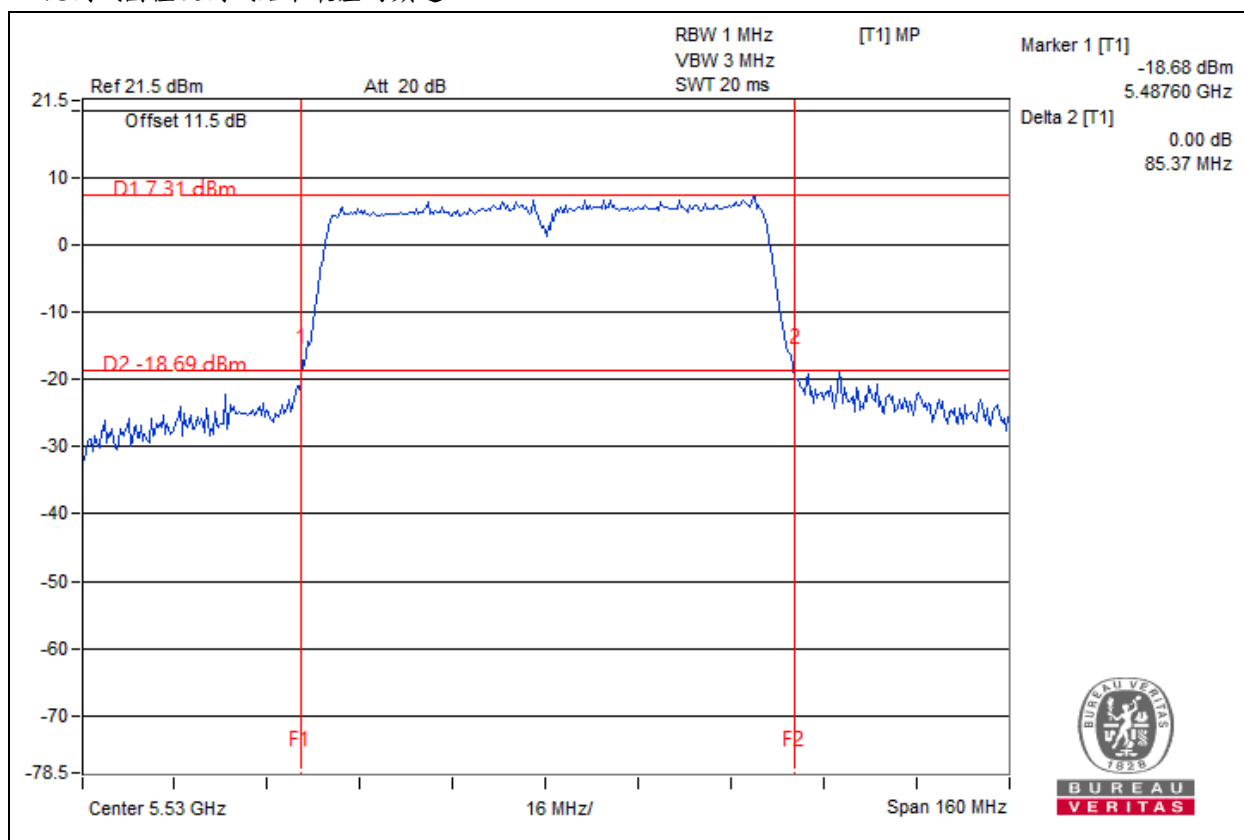
802.11ac (VHT40)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
38	5190	42.68	42.68
46	5230	42.55	42.57
54	5270	42.51	42.63
62	5310	42.80	42.76
102	5510	42.54	42.35
110	5550	80.15	77.75
134	5670	42.68	42.69

802.11ac (VHT80)

Channel	Channel Frequency (MHz)	26dBc Bandwidth (MHz)	
		Chain 0	Chain 1
42	5210	84.96	84.73
58	5290	84.96	85.01
106	5530	84.90	85.37

**此測試圖僅放測試結果最差的頻道。



11.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

12 功率頻譜密度之量測

12.1 適用標準

	待測物操作頻帶	適用標準
☒	5.15 GHz~5.25 GHz	請見本報告 3.1 節第 7 項(II)及 4 項(II)的規定
☒	5.25 GHz~5.35 GHz	請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定
☒	5.470 GHz~5.725 GHz	請見本報告 3.1 節第 7 項(III)及 4 項(III)的規定
☒	5.725 GHz~5.850 GHz	請見本報告 3.1 節第 7 項(IV)及 4 項(IV)的規定

12.2 量測方法

For U-NII-1, U-NII-2A, U-NII-2C band:

	待測物操作頻帶	KDB 789033 D02 量測方法	KDB 662911 D01 量測方法
☒	5.15 GHz~5.25 GHz	☐ SA-1 ☐ SA-1 alternative ☒ SA-2 ☐ SA-2 alternative ☐ SA-3 ☐ SA-3 alternative	☒ Section E)2)a) ☐ Section E)2)b) ☐ Section E)2)c)
☒	5.25 GHz~5.35 GHz	☐ SA-1 ☐ SA-1 alternative ☒ SA-2 ☐ SA-2 alternative ☐ SA-3 ☐ SA-3 alternative	☒ Section E)2)a) ☐ Section E)2)b) ☐ Section E)2)c)
☒	5.470 GHz~5.725 GHz	☐ SA-1 ☐ SA-1 alternative ☒ SA-2 ☐ SA-2 alternative ☐ SA-3 ☐ SA-3 alternative	☒ Section E)2)a) ☐ Section E)2)b) ☐ Section E)2)c)
☒	5.725 GHz~5.850 GHz	☐ SA-1 ☐ SA-1 alternative ☒ SA-2 ☐ SA-2 alternative ☐ SA-3 ☐ SA-3 alternative	☐ Section E)2)a) ☐ Section E)2)b) ☐ Section E)2)c)

For U-NII-1, U-NII-2A, U-NII-2C band:

Using method SA-2:

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1 MHz, Set VBW $\geq$ 3 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Record the max value and add 10 log (1/duty cycle)

For U-NII-3 band:

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 500 kHz, Set VBW $\geq$ 3 RBW, Detector = RMS
- 3) Sweep time = auto, trigger set to "free run".
- 4) Trace average at least 100 traces in power averaging mode.
- 5) Record the max value and add 10 log (1/duty cycle)

12.3 量測功率頻譜密度之儀器

同 6.3 節。

12.4 功率頻譜密度之測試配置

同 6.4 節

12.5 量測結果

操作模式	發射	測試日期	110 年 3 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	謝昕霖		

For U-NII-1, U-NII-2A, U-NII-2C Band

802.11a

Chan.	Freq. (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	-3.45	-3.48	0.17	-0.29	10.57	Pass
40	5200	-3.51	-3.60	0.17	-0.38	10.57	Pass
48	5240	-3.11	-2.96	0.17	0.14	10.57	Pass
52	5260	-2.92	-2.89	0.17	0.27	10.57	Pass
60	5300	-2.80	-2.61	0.17	0.47	10.57	Pass
64	5320	-2.69	-2.50	0.17	0.58	10.57	Pass
100	5500	3.03	3.07	0.17	6.23	10.57	Pass
116	5580	3.38	3.62	0.17	6.68	10.57	Pass
140	5700	0.55	0.63	0.17	3.77	10.57	Pass

Note: 1. Directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.43 - 6) = 10.57\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

802.11ac (VHT20)

Chan.	Freq. (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
36	5180	-3.65	-3.63	0.20	-0.43	10.57	Pass
40	5200	-3.62	-3.67	0.20	-0.43	10.57	Pass
48	5240	-3.23	-3.09	0.20	0.05	10.57	Pass
52	5260	-3.12	-3.08	0.20	0.11	10.57	Pass
60	5300	-2.78	-2.82	0.20	0.41	10.57	Pass
64	5320	-2.85	-2.85	0.20	0.36	10.57	Pass
100	5500	2.79	2.74	0.20	5.98	10.57	Pass
116	5580	3.40	3.28	0.20	6.55	10.57	Pass
140	5700	0.39	0.26	0.20	3.54	10.57	Pass

Note: 1. Directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6) = 10.57\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

802.11ac (VHT40)

Chan.	Freq. (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
38	5190	-5.24	-5.05	0.33	-1.80	10.57	Pass
46	5230	-4.96	-4.98	0.33	-1.63	10.57	Pass
54	5270	-5.12	-5.12	0.33	-1.78	10.57	Pass
62	5310	-4.97	-4.87	0.33	-1.58	10.57	Pass
102	5510	-5.01	-5.03	0.33	-1.68	10.57	Pass
110	5550	0.61	0.57	0.33	3.93	10.57	Pass
134	5670	-2.03	-2.03	0.33	1.31	10.57	Pass

Note: 1. Directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11-(6.43-6) = 10.57\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

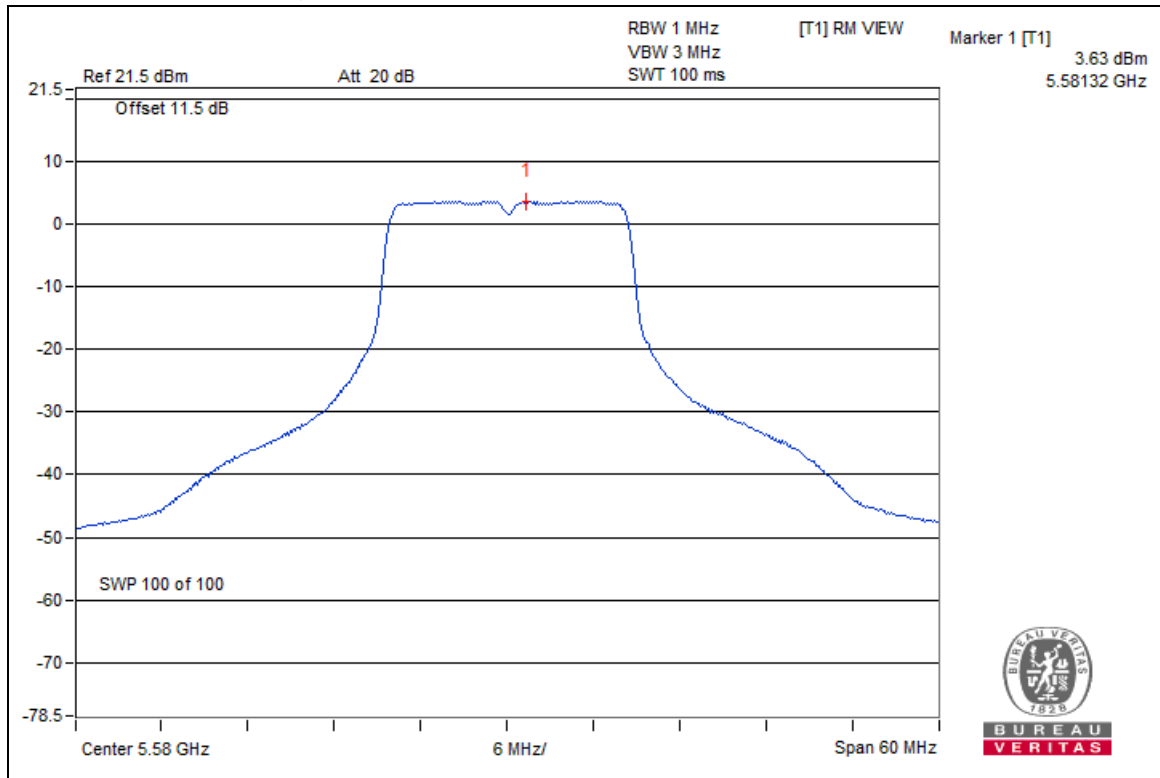
802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD (dBm/MHz)		Duty Factor (dB)	Total PSD (dBm/MHz)	Max. Limit (dBm/MHz)	Pass / Fail
		Chain 0	Chain 1				
42	5210	-7.98	-8.12	0.71	-4.33	10.57	Pass
58	5290	-8.46	-8.40	0.71	-4.71	10.57	Pass
106	5530	-4.47	-4.51	0.71	-0.77	10.57	Pass

Note: 1. Directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $11 - (6.43 - 6) = 10.57\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



For U-NII-3 Band

802.11a

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/500kHz)		Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
149	5745	-4.35	-4.33	0.17	-1.16	29.57	Pass
157	5785	-4.55	-4.63	0.17	-1.41	29.57	Pass
165	5825	-4.28	-4.24	0.17	-1.08	29.57	Pass

Note: 1. Directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (6.43 - 6) = 29.57\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

802.11ac (VHT20)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/500kHz)		Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
149	5745	-5.72	-5.78	0.20	-2.54	29.57	Pass
157	5785	-5.89	-5.60	0.20	-2.53	29.57	Pass
165	5825	-5.64	-5.64	0.20	-2.43	29.57	Pass

Note: 1. Directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (6.43 - 6) = 29.57\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

802.11ac (VHT40)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/500kHz)		Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
151	5755	-7.96	-8.16	0.33	-4.72	29.57	Pass
159	5795	-7.96	-7.72	0.33	-4.50	29.57	Pass

Note: 1. Directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (6.43 - 6) = 29.57\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

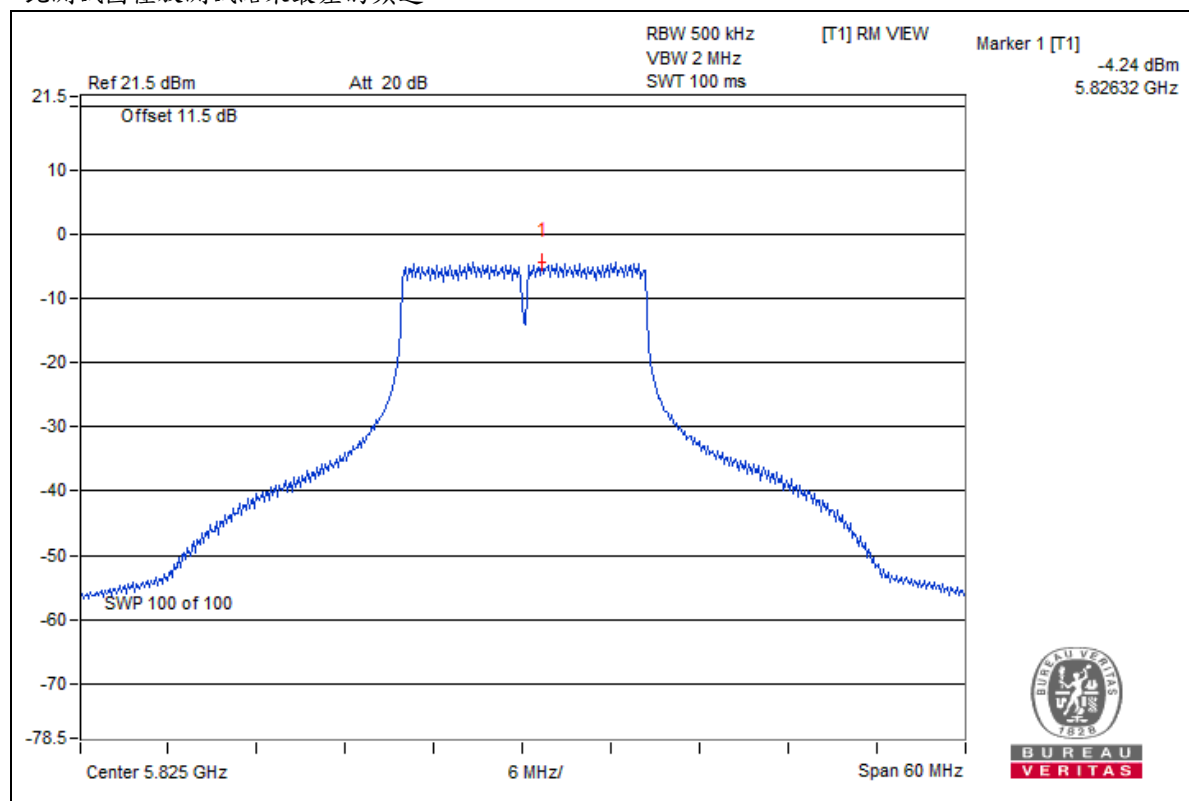
802.11ac (VHT80)

Chan.	Freq. (MHz)	PSD w/o Duty Factor (dBm/500kHz)		Duty Factor (dB)	Total PSD (dBm/500kHz)	PSD Limit (dBm/500kHz)	Pass / Fail
		Chain 0	Chain 1				
155	5775	-10.58	-10.74	0.71	-6.94	29.57	Pass

Note: 1. Directional gain = $3.42\text{dBi} + 10\log(2) = 6.43\text{dBi} > 6\text{dBi}$, so the power density limit shall be reduced to $30 - (6.43 - 6) = 29.57\text{dBm}$.

2. Refer to section 2.1 for duty cycle spectrum plot.

**此測試圖僅放測試結果最差的頻道。



12.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

13 6 dB 頻寬之要求

13.1 適用標準

待測物操作頻帶	適用標準
☒ 5.725 GHz~5.850 GHz	請見本報告 3.1 節第 5 項(II)的規定

13.2 量測方法

- 將待測物輸出經由衰減器接到頻譜分析儀上。
- 設定待測物處於連續發射狀態。
- 計算由最大輸出功率峰值減6dB的最大頻率範圍。

13.3 量測儀器

同 6.3 節。

13.4 測試配置

同 6.4 節。

13.5 量測結果

操作模式	發射	測試日期	110 年 3 月 17 日
量測場地溫度	25°C	量測場地濕度	76%RH
測試者	謝昕霖		

802.11a

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	16.41	16.39	0.5	Pass
157	5785	16.40	16.39	0.5	Pass
165	5825	16.40	16.41	0.5	Pass

802.11ac (VHT20)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
149	5745	17.63	17.64	0.5	Pass
157	5785	17.63	17.64	0.5	Pass
165	5825	17.63	17.62	0.5	Pass

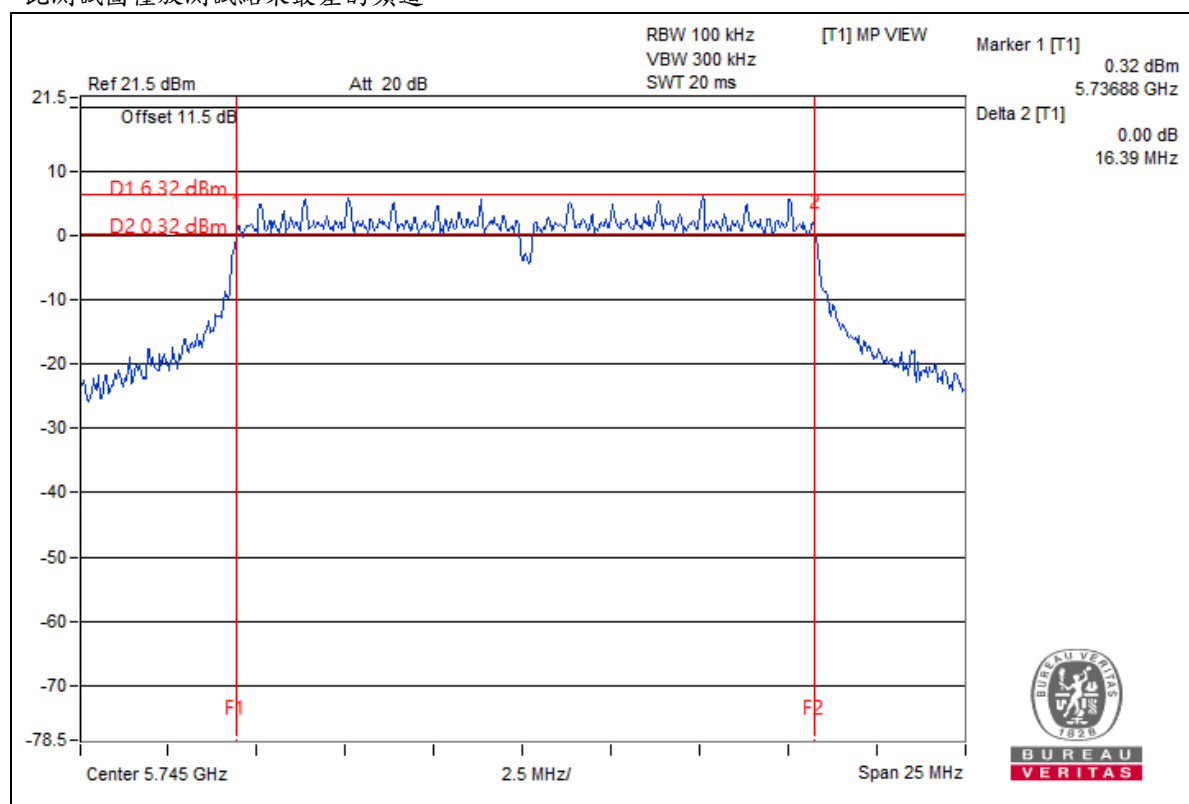
802.11ac (VHT40)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
151	5755	36.42	36.41	0.5	Pass
159	5795	36.42	36.41	0.5	Pass

802.11ac (VHT80)

Channel	Frequency (MHz)	6dB Bandwidth (MHz)		Minimum Limit (MHz)	Pass / Fail
		Chain 0	Chain 1		
155	5775	75.97	76.26	0.5	Pass

**此測試圖僅放測試結果最差的頻道。



13.6 量測結果判定

依據測試數據結果，符合低功率射頻器材技術規範之要求。

14 電波暴露量之評估

14.1 適用標準

請見本報告 3.1 節第 12 項的規定。

14.2 評估方法

a) 以 7.5 及 11.5 節所測得的最大輸出功率值再加上待測物天線的增益值(Gain)帶入下面公式換算出待測物所輻射的功率密度。

$$b) P_d = (P_{out} * G) / (4 * \pi * r^2)$$

where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

14.3 評估結果

電波暴露量之評估	
☐	待測物並非是 WLAN AP/Router 產品，不需進行電波暴露量之評估
☐	待測物為 WLAN AP/Router 產品，需進行電波暴露量之評估
☒	待測物之發射功率大於 20mW，需進行電波暴露量之評估

Frequency Band (MHz)	Max AV Power (dBm)	Antenna Gain (dBi)	Distance (cm)	Power Density (mW/cm ²)	Limit (mW/cm ²)	Pass/Fail
2412-2462 (WLAN 2.4G)	14.62	4.79	20	0.0174	1	Pass
5180-5240 (WLAN 5G)	16.18	6.43	20	0.0363	1	Pass
5260-5320 (WLAN 5G)	16.28	6.43	20	0.0371	1	Pass
5500-5700 (WLAN 5G)	22.15	6.43	20	0.1435	1	Pass
5745-5825 (WLAN 5G)	22.70	6.43	20	0.1628	1	Pass
2402 -2480 (BT LE)	2.42	1.78	20	0.0005	1	Pass
2402 -2480 (BTEDR)	4.52	1.78	20	0.0008	1	Pass

Note:

- WLAN 2.4G Directional gain = 1.78dBi + 10log(2) = 4.79dBi
- WLAN 5G Directional gain = 3.42dBi + 10log(2) = 6.43dBi

附錄：動態頻率選擇

1. EUT Information

1.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating Frequency Bands And Mode Of EUT

Operational Mode	Operating Frequency Range	
	5250~5350MHz	5470~5725MHz
Client without radar detection and ad hoc function	✓	✓

1.2 EUT Software and Firmware Version

Table 2: The Eut Software/Firmware Version

No	Product	Model No.	Software/Firmware Version
1	Neat Board	NF-C1	NFC1.20200909.0117

1.3 Description Of Available Antennas to The EUT

Table 3: Antenna List

ANT No.	Antenna Type	Operation Frequency Range (MHz)	MAX. Gain (dBi)
1	PIFA	5250-5350MHz	3.42
1	PIFA	5470-5725MHz	3.42

1.4 EUT Maximum Conducted Power

Table 4: The Measured Conducted Output Power

802.11a

ANT No.	Frequency Band (MHz)	MAX. Power	
		Output Power(dBm)	Output Power(mW)
1	5250~5350	15.64	36.625
1	5470~5725	21.79	150.870

802.11ac (VHT20):

ANT No.	Frequency Band (MHz)	MAX. Power	
		Output Power(dBm)	Output Power(mW)
1	5250~5350	15.71	37.231
1	5470~5725	21.88	154.163

802.11ac (VHT40)

ANT No.	Frequency Band (MHz)	MAX. Power	
		Output Power(dBm)	Output Power(mW)
1	5250~5350	16.28	42.426
1	5470~5725	22.15	163.975

802.11ac (VHT80)

ANT No.	Frequency Band (MHz)	MAX. Power	
		Output Power(dBm)	Output Power(mW)
1	5250~5350	15.78	37.810
1	5470~5725	19.67	92.700

1.5 EUT Maximum E.I.R.P. Power

Table 5: The Eirp Output Power List

802.11a

ANT No.	Frequency Band (MHz)	MAX. Power	
		Output Power(dBm)	Output Power(mW)
1	5250~5350	19.06	80.538
1	5470~5725	25.21	331.894

802.11ac (VHT20)

ANT No.	Frequency Band (MHz)	MAX. Power	
		Output Power(dBm)	Output Power(mW)
1	5250~5350	19.13	81.846
1	5470~5725	25.30	338.844

802.11ac (VHT40)

ANT No.	Frequency Band (MHz)	MAX. Power	
		Output Power(dBm)	Output Power(mW)
1	5250~5350	19.70	93.325
1	5470~5725	25.57	360.579

802.11ac (VHT80)

ANT No.	Frequency Band (MHz)	MAX. Power	
		Output Power(dBm)	Output Power(mW)
1	5250~5350	19.20	83.176
1	5470~5725	23.09	203.704

1.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Maximum EIRP of this device is **360.579** mW which less than 500mW, therefore it's not require TPC function.

TPC	E.I.R.P	LP0002
	> 500mW	The TPC mechanism is required for system with an E.I.R.P. of above 500mW
√	< 500mW	The TPC mechanism is not required for system with an E.I.R.P. of less 500mW

1.7 Statement of Manufacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user. **And the device doesn't have Ad Hoc mode on DFS frequency band.**

2. U-NII DFS Rule Requirements

2.1 Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS Requirements Prior To Use a Channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
Non-Occupancy Period	✓	✓ note	✓
DFS Detection Threshold	✓	Not required	✓
Channel Availability Check Time	✓	Not required	Not required
U-NII Detection Bandwidth	✓	Not required	✓

Note: Per KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 section (b)(5/6),
If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.

Table 7: Applicability of DFS Requirements During Normal Operation.

Requirement	Operational Mode	
	Master or Client with radar detection	Client without radar detection
DFS Detection Threshold	✓	Not required
Channel Closing Transmission Time	✓	✓
Channel Move Time	✓	✓
U-NII Detection Bandwidth	✓	Not required

Additional requirements for devices with multiple bandwidth modes	Master or Client with radar detection	Client without radar detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

2.2 Test Limits And Radar Signal Parameters

Detection Threshold Values

Table 8: DFS Detection Thresholds For Master Devices And Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 9: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Parameters of DFS Test Signals

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 10: Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a ----- Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A	$\text{Roundup} \left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 11: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Number Of Pulses Per Burst	Number Of Bursts	Minimum Percentage Of Successful Detection	Minimum Number Of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

- a) the Channel center frequency
- b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth
- c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$$FL + (0.4 * \text{Chirp Width [in MHz]})$$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$$FH - (0.4 * \text{Chirp Width [in MHz]})$$

Table 12: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (μsec)	PRI (μsec)	Pulses PER HOP	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage Of Successful Detection	Minimum Number Of Trials
6	1	333	9	0.333	300	70%	30

3. Test & Support Equipment List

3.1 Test Instruments

Table 13: Test Instruments List

Description & Manufacturer	Model No.	Brand	Date Of Calibration	Due Date Of Calibration
Spectrum analyzer	FSV	R&S	May 29, 2020	May 28, 2021
Signal generator	MXG	KEYSIGHT	May 10, 2020	May 09, 2021
Horn antenna	BBHA 9120 D1	Schwarzbeck	Nov 22, 2020	Nov. 21, 2021
RF coaxial cable	SUCOFLEX 104	HUBER SUHNER	NA	NA

Note: Tested Date: Apr. 1, 2021

3.2 Description of Support Units

Table 14: Support Unit Information.

No.	Product	Brand	Model No.	Fcc Id	Gain
1	Wireless Router	Access Point	Netgear R6800	PY316200344	5G Ant gain : 2.88dBi Maximum EIRP :28.4dBm

NOTE: This device was functioned as a ☒ Master ☐ Slave device during the DFS test.

Table 15: Software/Firmware Information.

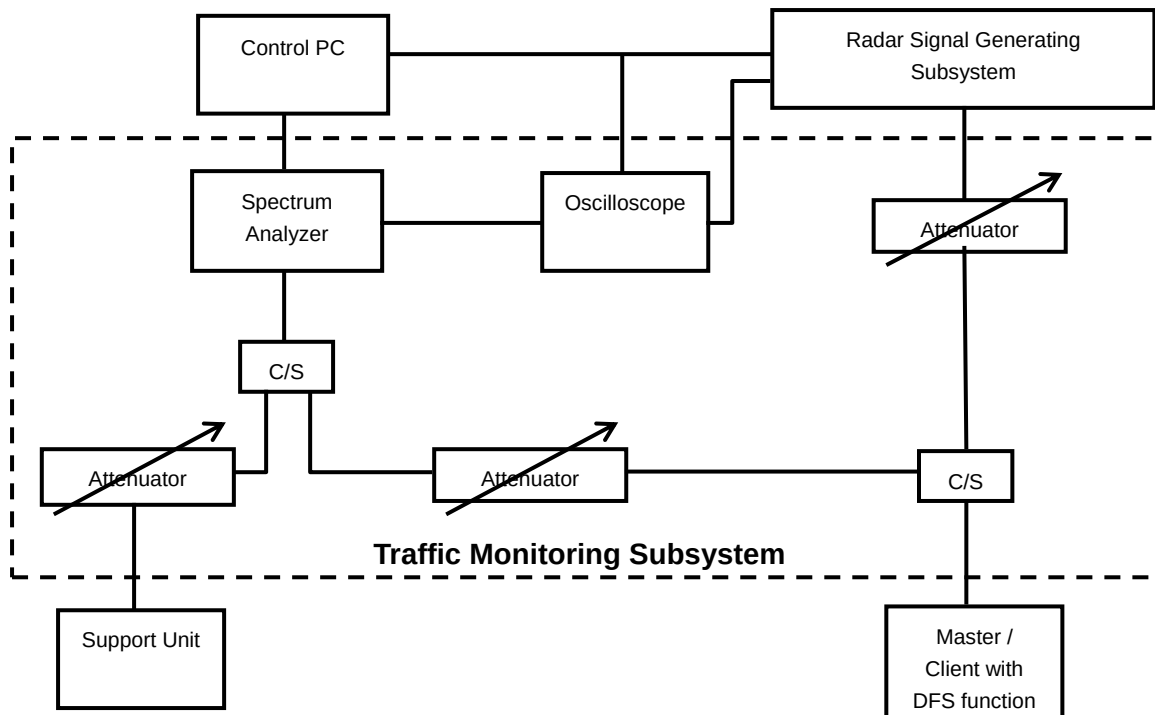
No.	Product	Model No.	Software/Firmware Version
1.	Wireless Router	Netgear R6800	V1.1.034_1.0.1_0418_usdfs

4. Test Procedure

4.1 DFS Measurement System

A complete DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

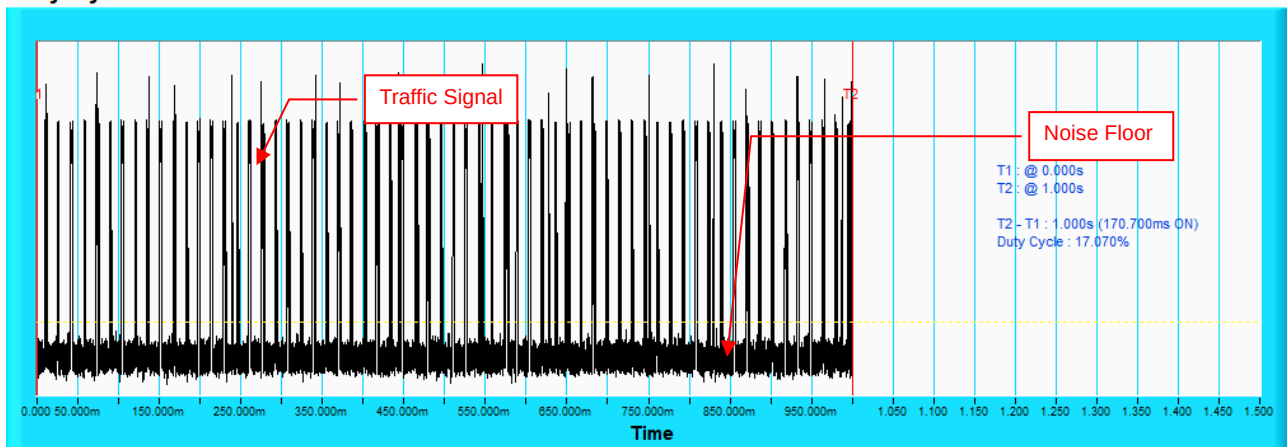
Conducted Setup Configuration of DFS Measurement System



System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

	a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
	b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
V	c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.
	d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.

Wireless Traffic Loading Duty Cycle



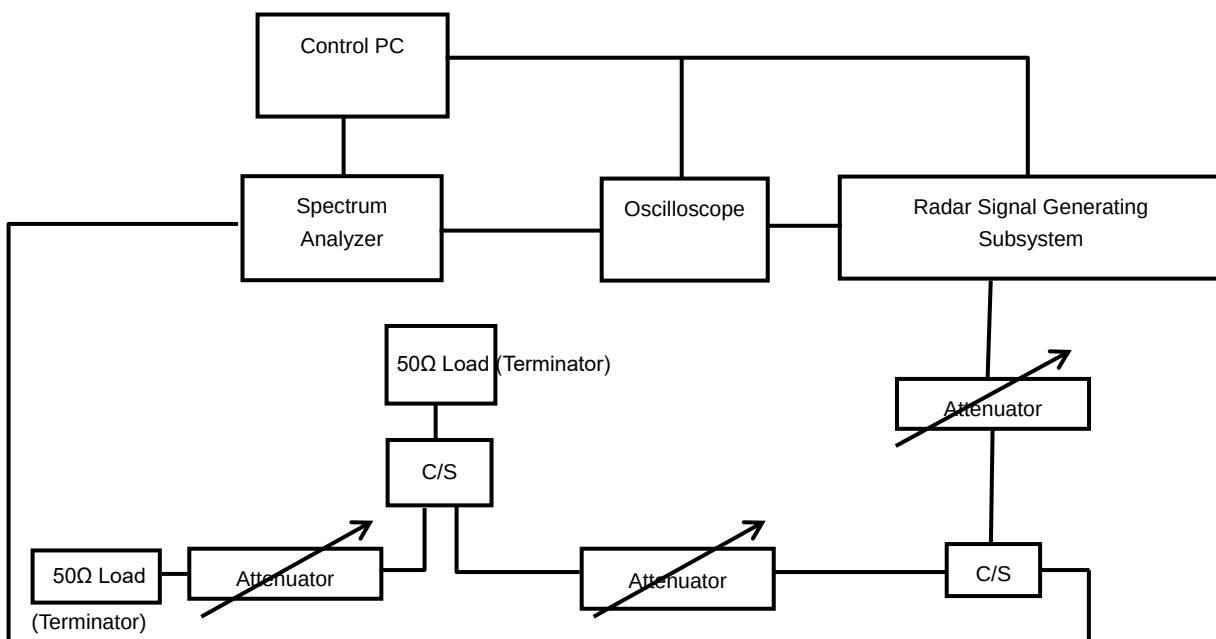
4.2 Calibration of DFS Detection Threshold Level

The measured channel is 5500MHz, 5510MHz, 5530MHz. The radar signal was the same as transmitted channels, and injected into the antenna of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The calibrated conducted detection threshold level is set to -64dBm. The tested level is lower than required level hence it provides margin to the limit.

Conducted setup configuration of Calibration of DFS Detection Threshold Level

The radar signal generate system is generating waveform pattern of radar types. The amplitude of the radar signal generator system is adjusted to yield a level of - 64 dBm as measured on the spectrum analyzer.

The interference detection threshold level is lower than - 64dBm hence it provides margin to the limit.



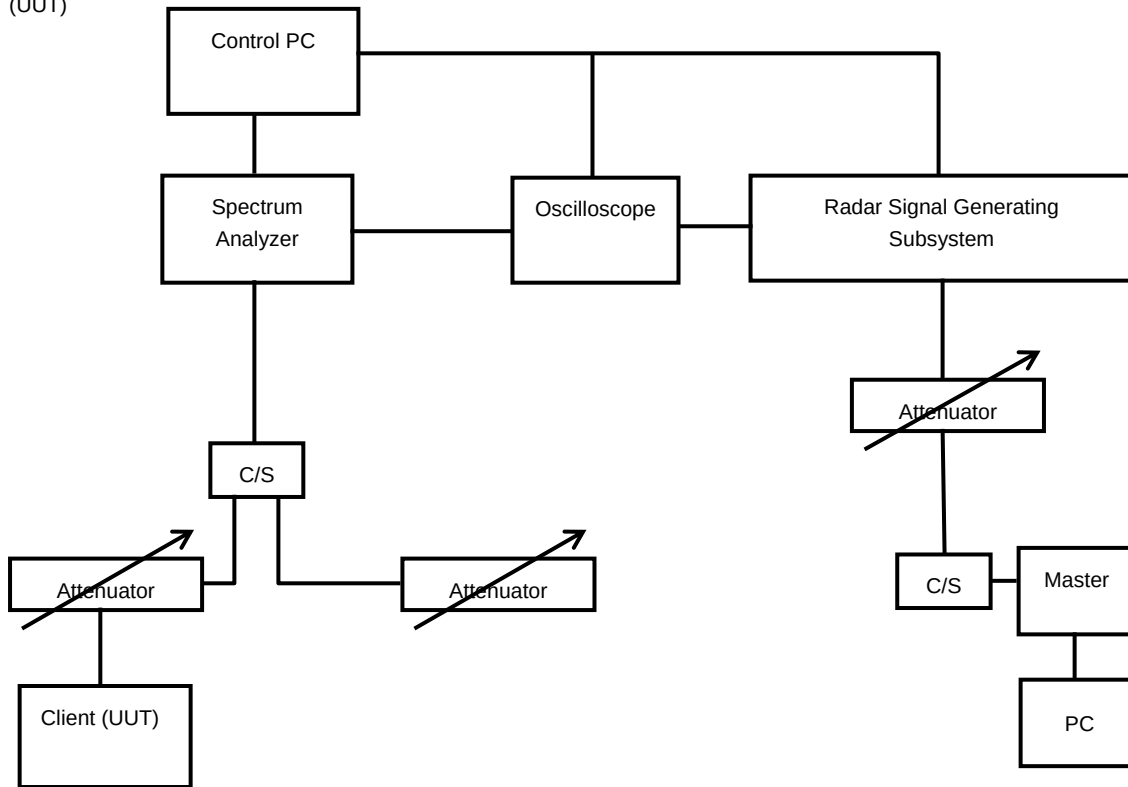
4.3 Deviation From Test Standard

No deviation.

4.4 Conducted Test Setup Configuration

4.4.1 Client Without Radar Detection Mode

(UUT)



5. Test Results

5.1 Summary of Test Results

Clause	Test Parameter	Remarks	Pass/Fail
5.7.7	DFS Detection Threshold	Not Applicable	NA
5.7.7	Channel Availability Check Time	Not Applicable	NA
5.7.7	Channel Move Time	Applicable	Pass
5.7.7	Channel Closing Transmission Time	Applicable	Pass
5.7.7	Non- Occupancy Period	Applicable	Pass
5.7.7	Uniform Spreading	Not Applicable	NA
5.7.7	U-NII Detection Bandwidth	Not Applicable	NA
5.7.7	Non-associated test	Applicable	Pass
5.7.7	Non-Co-Channel test	Applicable	Pass

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

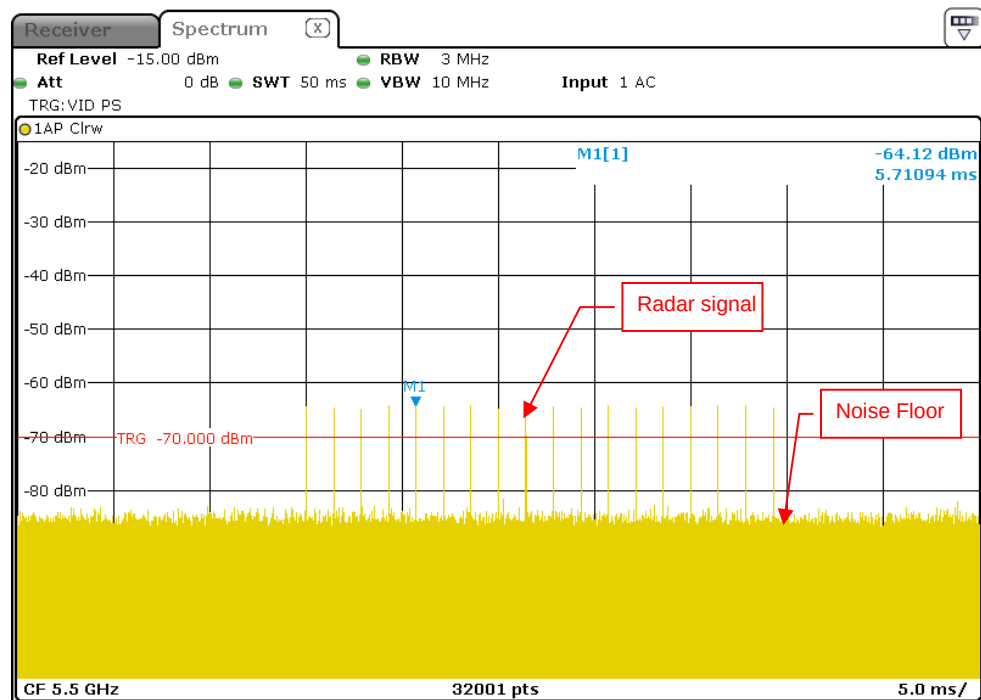
5.2 Test Results

5.2.1 Test Mode: Device Operating In Client Without Radar Detection Mode.

Client with injection at the Master. (The radar test signals are injected into the Master Device)

DFS Detection Threshold

For detection threshold level of -64dBm, the required signal strength at AP antenna location is -64 dBm.



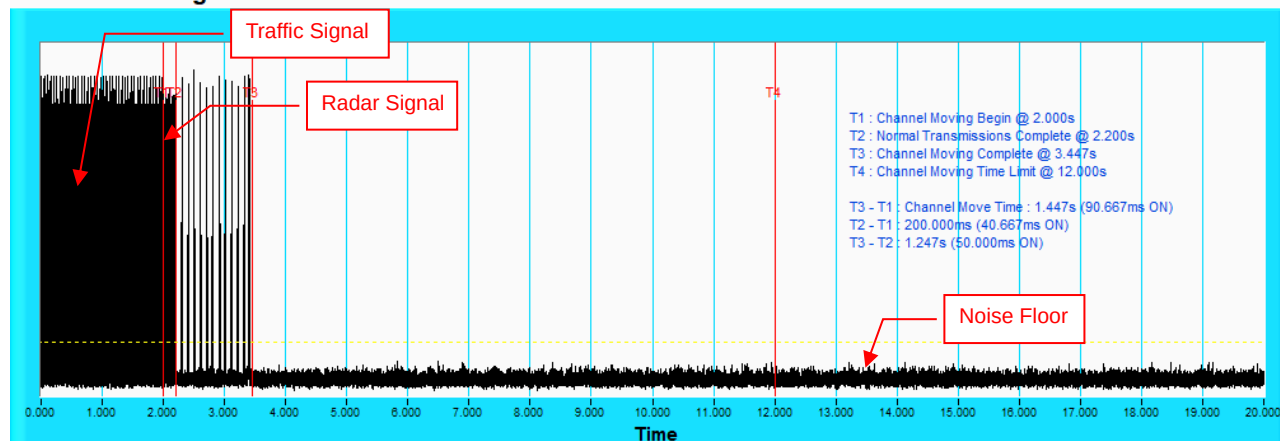
Radar Signal 0

5.2.2 Channel Closing Transmission And Channel Move Time

Radar Signal 0

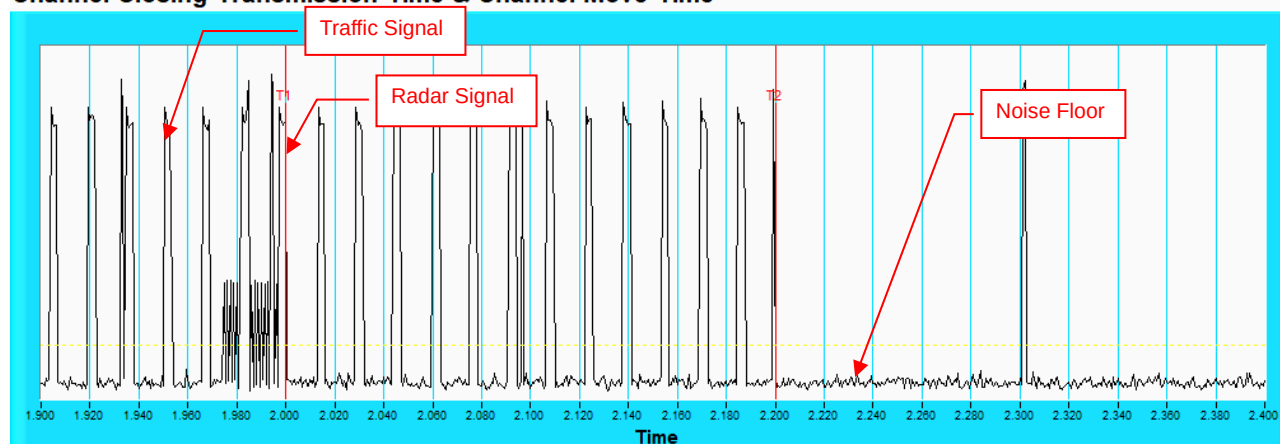
802.11ac (VHT20)

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time

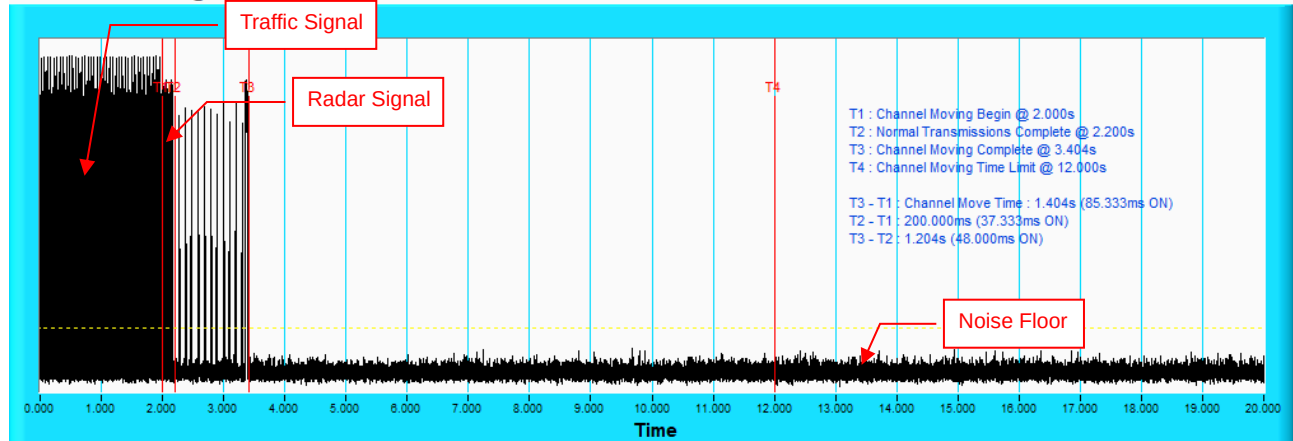


NOTE: An expanded plot for the device vacates the channel in the required 500ms.

Radar Signal 0

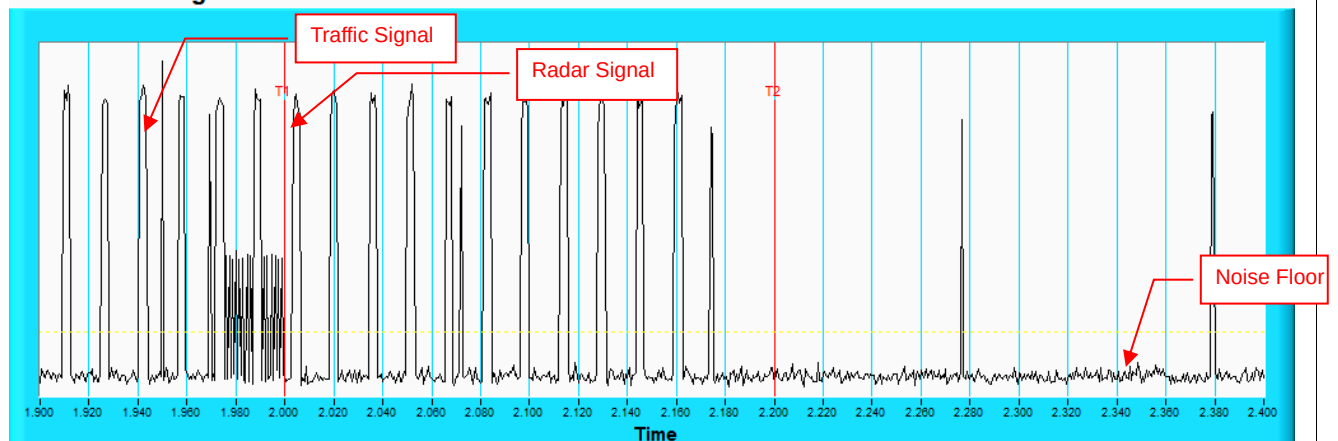
802.11ac (VHT40)

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time

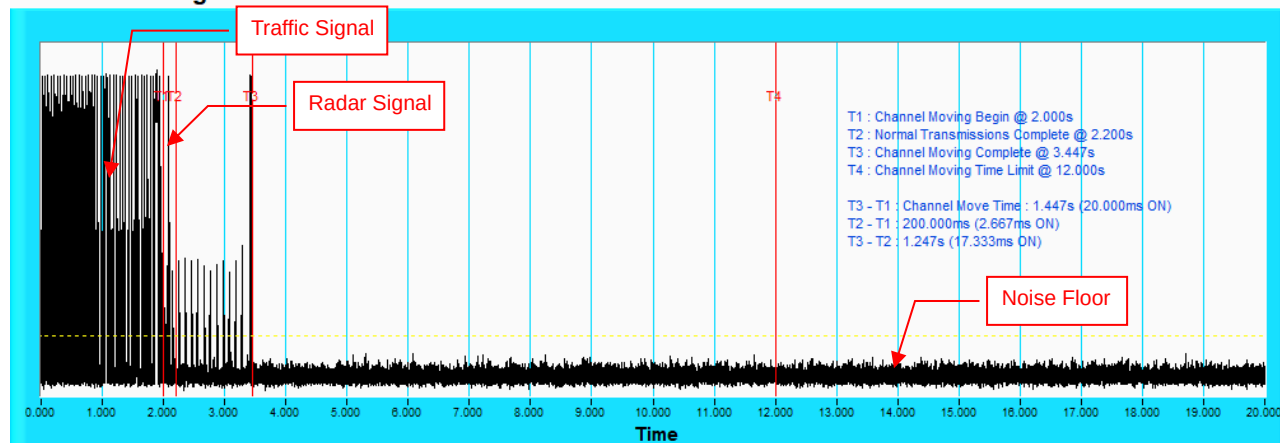


NOTE: An expanded plot for the device vacates the channel in the required 500ms.

Radar Signal 0

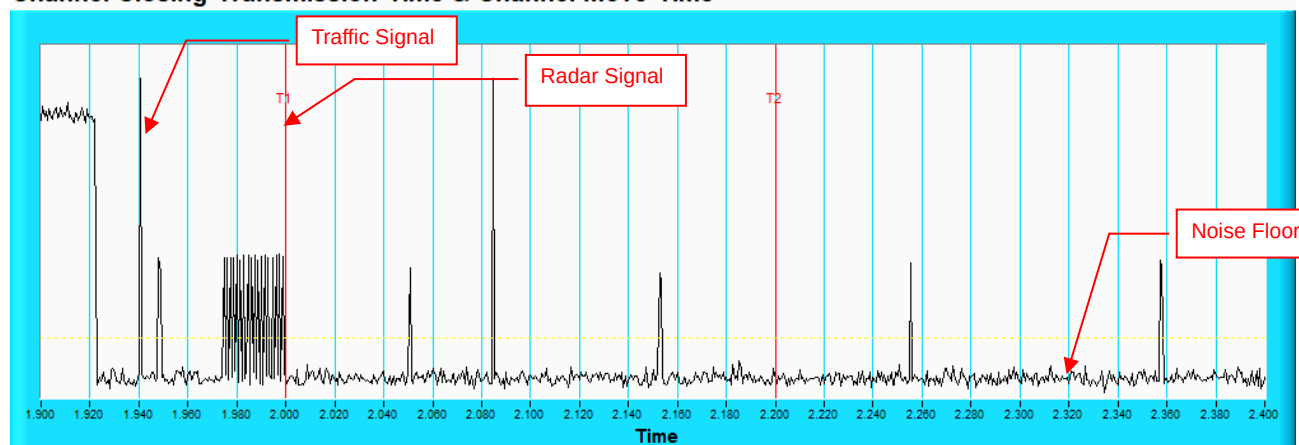
802.11ac (VHT80)

Channel Closing Transmission Time & Channel Move Time



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time



NOTE: An expanded plot for the device vacates the channel in the required 500ms.

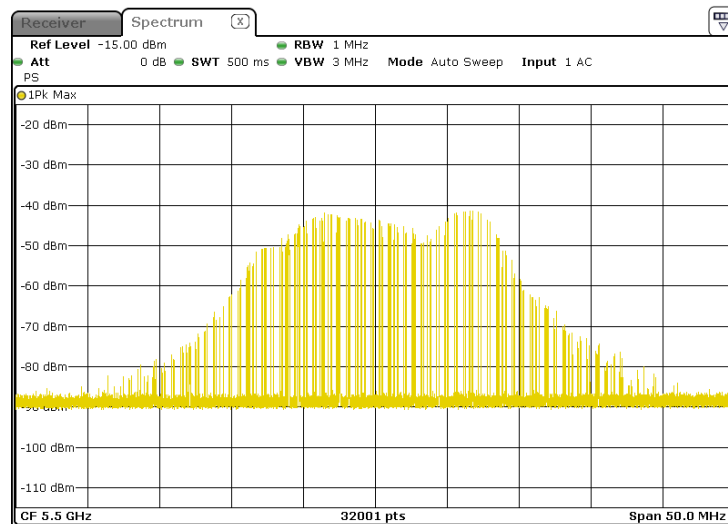
5.2.3 Non-Occupancy Period

Associate test:

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

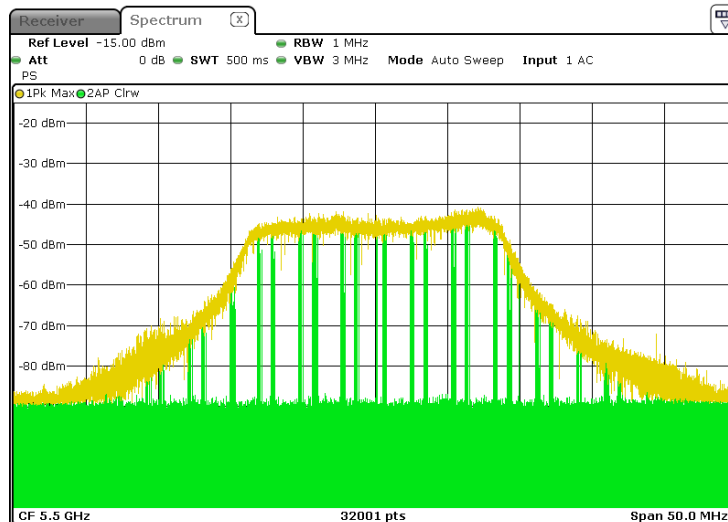
- 1) EUT (Client) links with master on 5500MHz.

Waveform of EUT links up with Master



- 2) Client plays specified files via master.

Waveform of transmission



3) Radar signal 0 is applied to the Master device and WiFi traffic signal stop immediately.

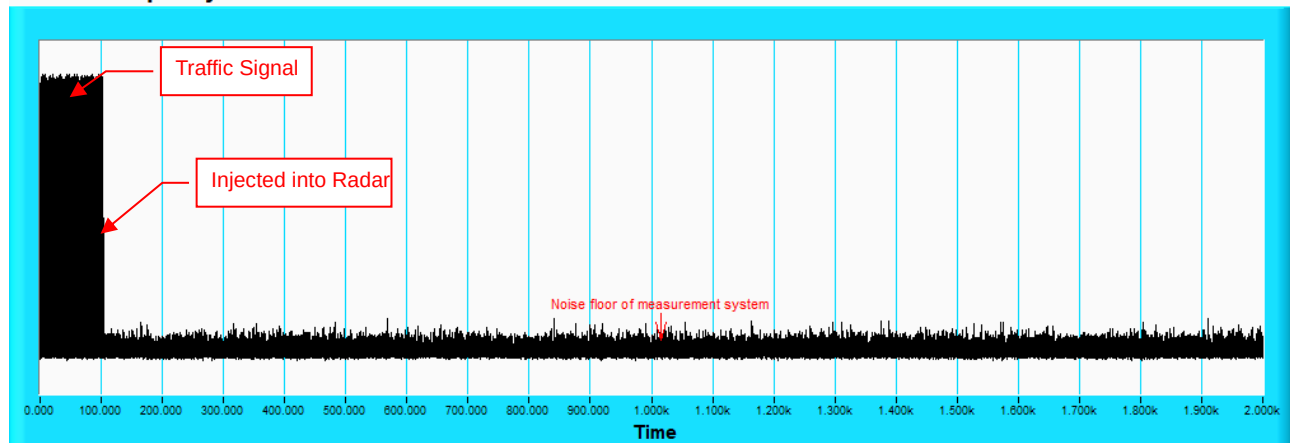
Radar signal applied to the master and traffic stopped as described in section 5.2.2.

4) 5500MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30minutes period

802.11ac (VHT20)

Non - Occupancy Period

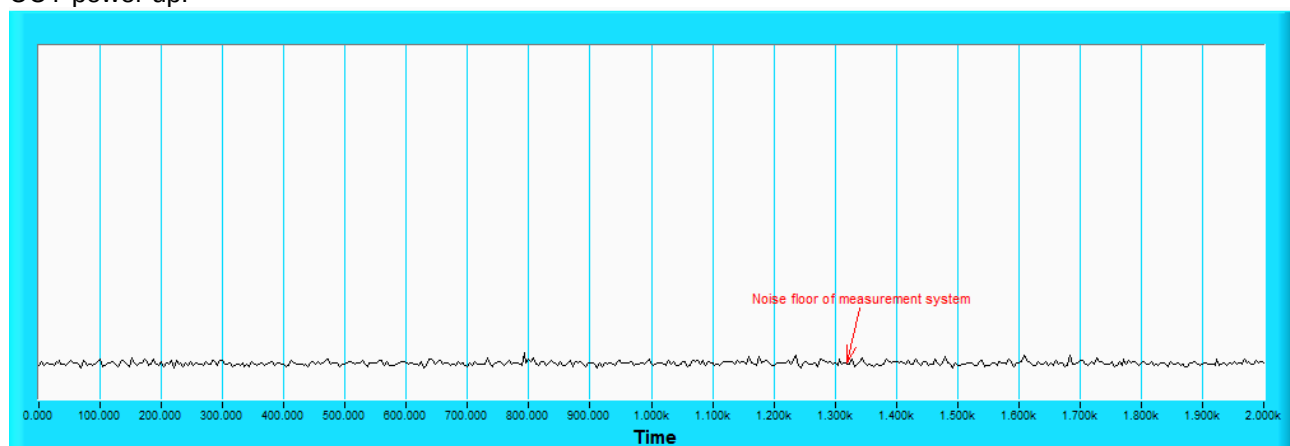


NOTE: Test setup are shown on Test set up photo.pdf

5.2.4 Non-Associated Test

Master was off.

During the 30 minutes observation time, The UUT did not make any transmissions in the DFS band after UUT power up.



5.2.5 Non- Co-Channel Test

The UUT was investigated after radar was detected and confirmed that no co-channel operation with radars.

15 檢測實驗室基本資料

立德國際商品試驗有限公司桃園分公司提供產業界最佳的檢測以及諮詢服務。
本公司為 ISO/IEC 17025 認可實驗室。

如您有任何問題或建議，請與下列實驗室聯絡：

林口 EMC / RF 實驗室：

Tel: 886-2-26052180

Fax: 886-2-26051924

新竹 EMC / RF 及通訊實驗室：

Tel: 886-3-6668565

Fax: 886-3-6668323

華亞 EMC / RF / Safety 實驗室：

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

您也可以在我们的網站內找到各實驗室的地圖。

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