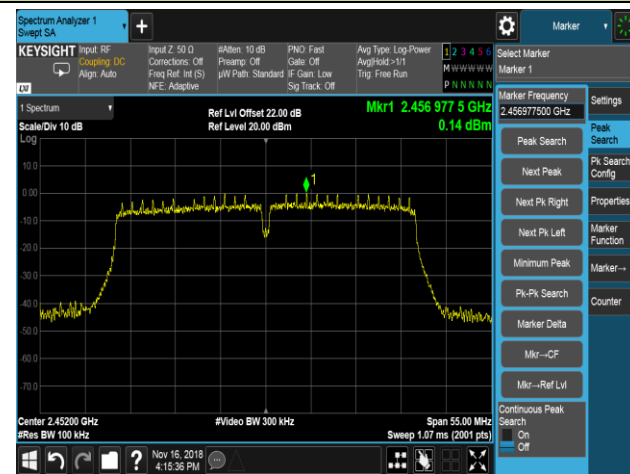


Channel 09 (2452MHz)

100kHz PSD Reference Level



High Band Edge



Spurious Emission



5.6. 開放頻帶邊緣之不必要幅射要求

5.6.1. 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.5 節，使用頻帶範圍外之任意 100 千赫 (kHz) 內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之 100 千赫 (kHz) 內的射頻功率，衰減值限制如下：

(1) 輸出功率以低功率射頻電機技術規範附件二之峰值輸出功率方式量測者，至少須衰減 20 dB，可使用射頻傳導或輻射方式測量。

(2) 輸出功率以低功率射頻電機技術規範 3.10.1.2(1)(C) 之最大傳導輸出功率量測方式者，至少須衰減 30 dB。

此外，落於第 2.7 節禁用頻段之輻射發射，應符合第 2.8 節之規定(限制要求如下)：

發射依據國家通訊傳播委員會低功率射頻電機技術規範之第 2.8 節，低功率射頻電機，除本規範各章節另有放寬規定者外，其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

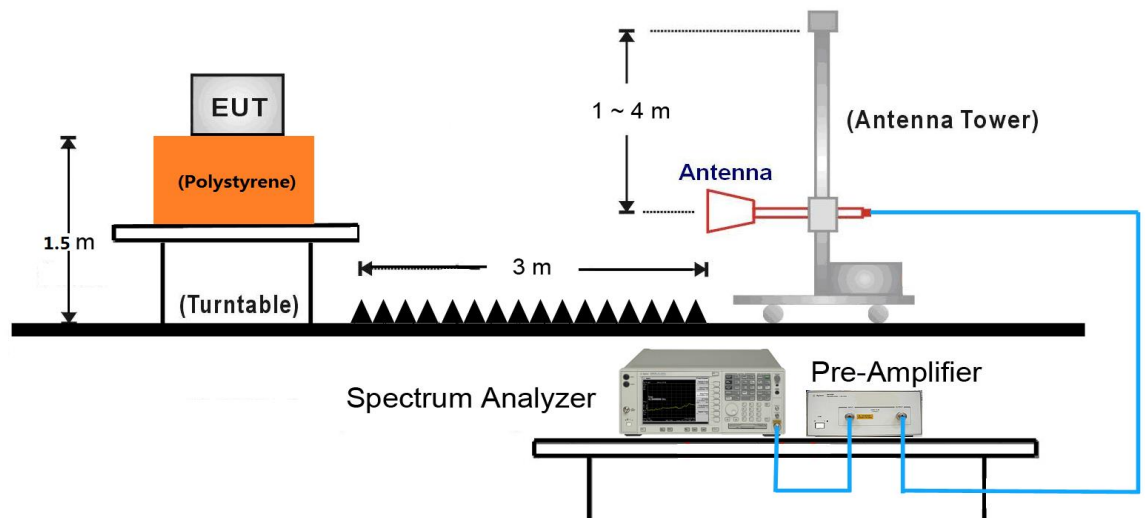
頻 率(兆赫)	電場強度(微伏/公尺)	測距(公尺)
0.009 - 0.490(含)	2,400/頻率(千赫)	300
0.490 (不含) - 1.705 (含)	24,000/頻率(千赫)	30
1.705(不含) - 30 (不含)	30	30
30 (含) - 88 (含)	100	3
88 (不含) - 216 (含)	150	3
216 (不含) - 960 (含)	200	3
960 (不含)以上	500	3

上表規定之電場強度，頻率在 9-90kHz 千赫(kHz)、110-490 千赫(kHz)以及 1000 兆赫(MHz)以上之發射，其量測以平均值檢波器為基準，且須符合第 5.15.2 節之規定；其他頻率之發射，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時須符合第 5.5 節之規定，而輻射發射之量測頻率範圍須符合第 5.12 節之規定。

5.6.2. 量測方法

待測物置於高 150 公分之非導體桌面（落地型產品置於地上），受測物與配件設備之電源線無須束綁，桌面上受測設備的所有電源線由桌子的後緣垂下沿旋轉桌表面接至交流插座。落地型設備的交流電源線可以方便的型態走線。桌面可 360 度旋轉，接收天線置於距待測物 3m 距離，高度可在 1 至 4 公尺間變動，以量測待測物之最大輻射電場強度。接收天線並應於水準及垂直極化方向各量測一次。

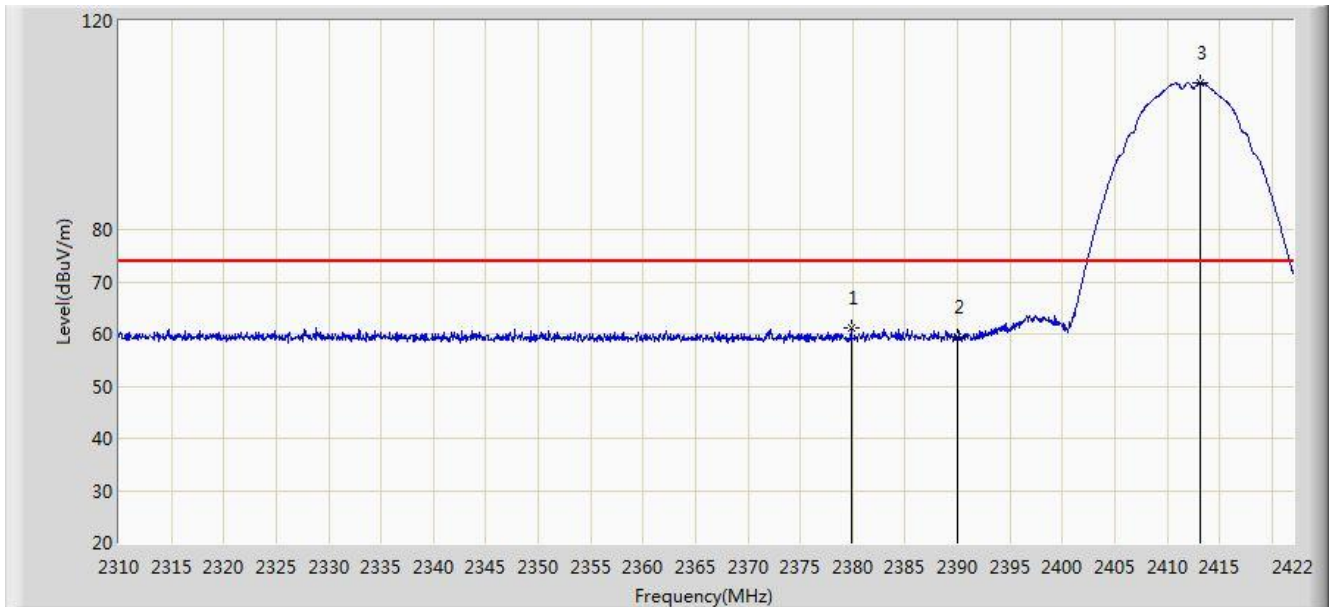
5.6.3. 測試架構圖



備註: 使用頻率範圍外之任意 100 千赫雜訊，使用輻射方式測量，6 dB 頻寬使用 1MHz 遠大於 100kHz 仍可 PASS，檢附其測試數據。

5.6.4. 測試結果

Site: AC1	Time: 2018/11/17 - 13:23
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0	

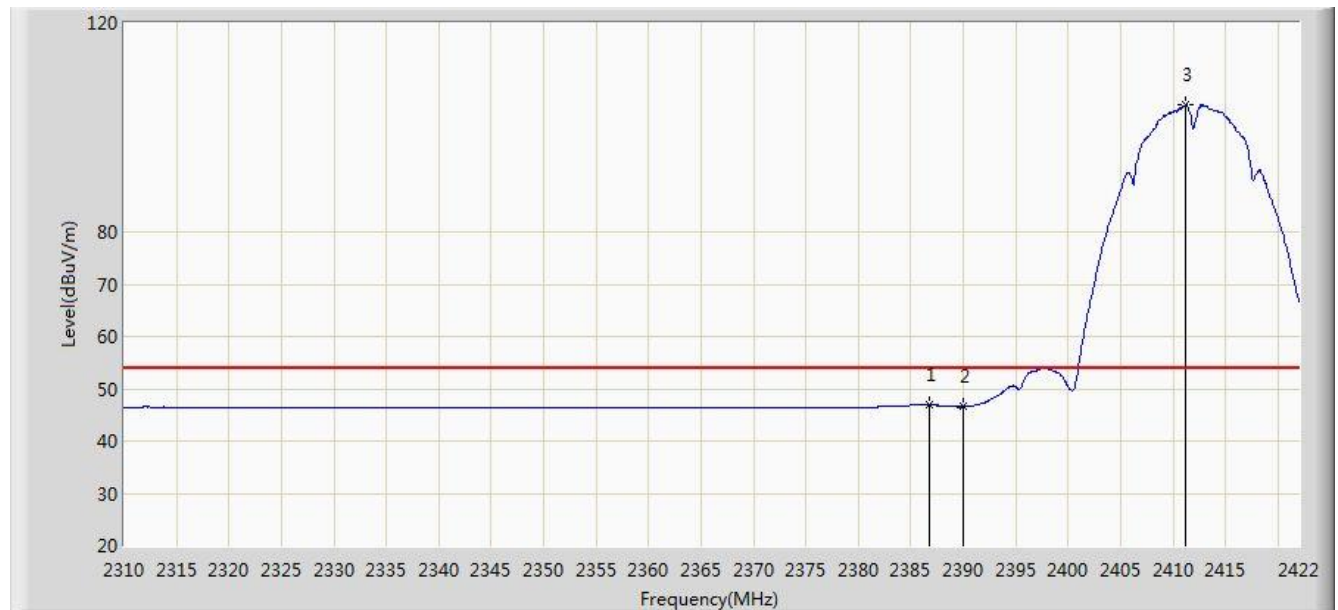


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2379.832	61.076	28.508	-12.924	74.000	32.569	PK
2			2390.000	59.382	26.828	-14.618	74.000	32.554	PK
3		*	2413.152	108.109	75.585	N/A	N/A	32.524	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:27
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0	

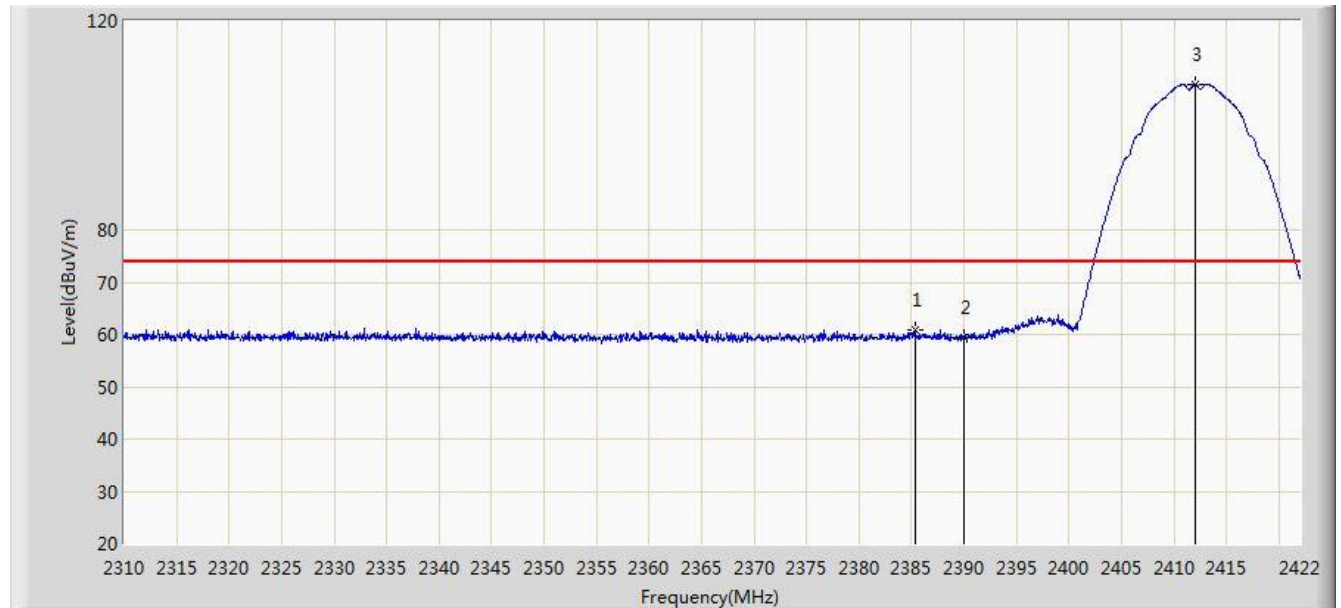


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.776	46.956	14.397	-7.044	54.000	32.559	AV
2			2390.000	46.530	13.976	-7.470	54.000	32.554	AV
3		*	2411.192	104.436	71.909	N/A	N/A	32.527	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:28
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0	

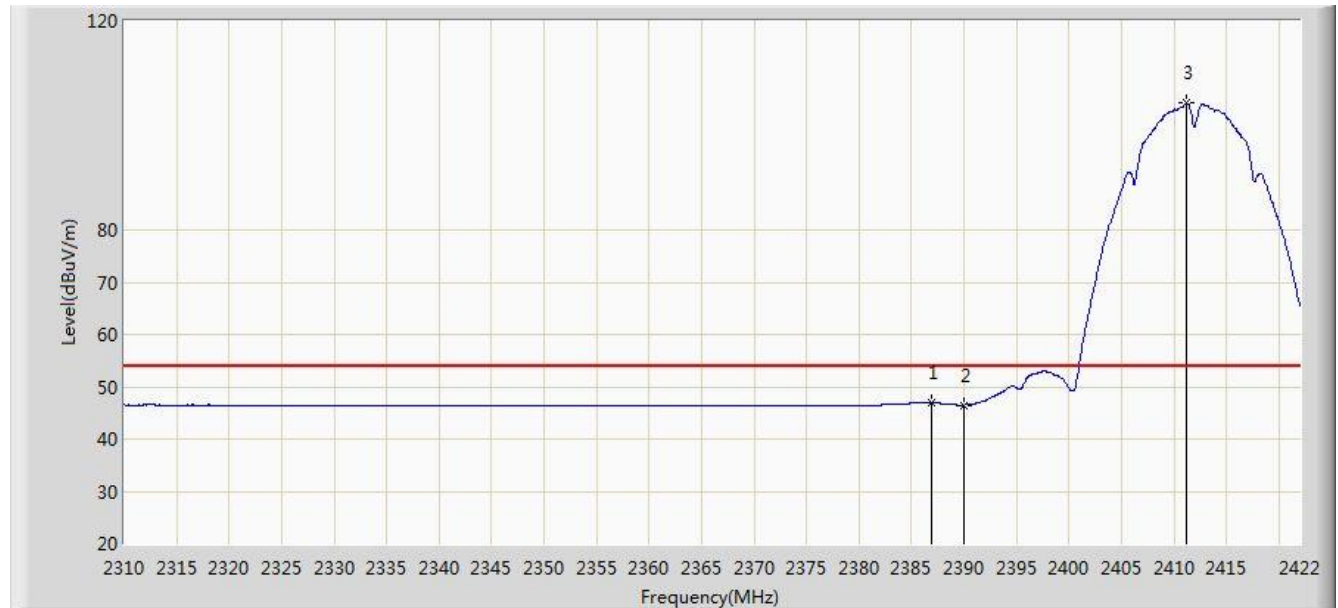


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2385.320	60.879	28.318	-13.121	74.000	32.560	PK
2			2390.000	59.519	26.965	-14.481	74.000	32.554	PK
3		*	2411.976	107.858	75.332	N/A	N/A	32.526	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:31
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 0	

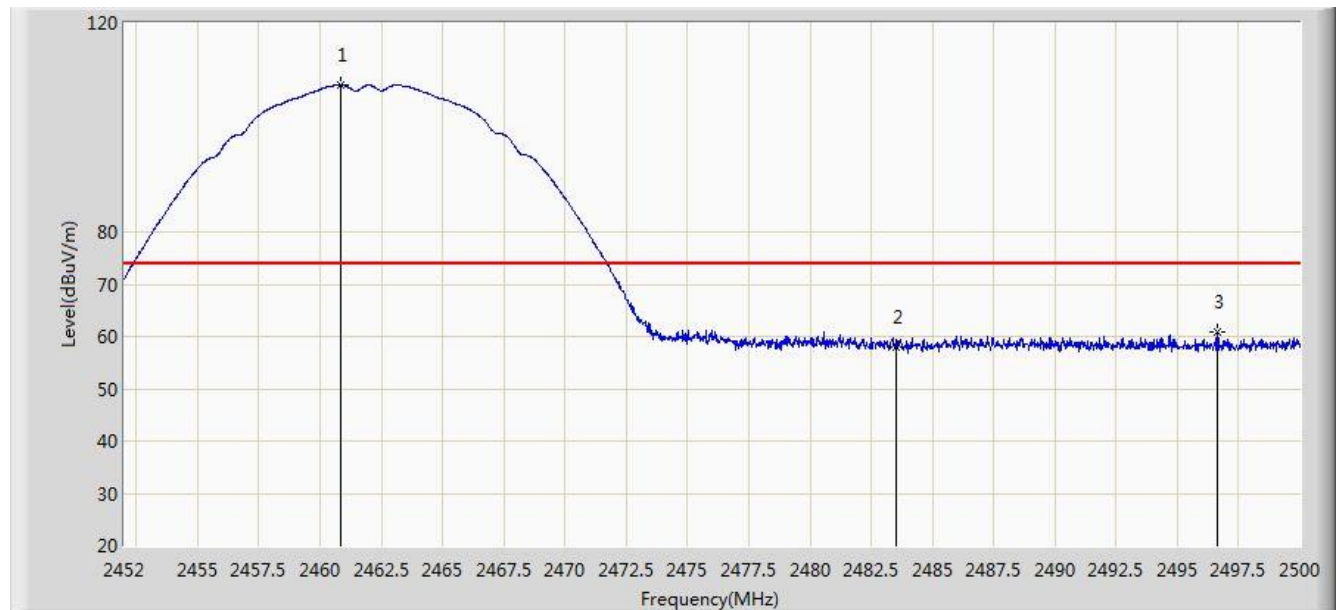


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2386.944	46.909	14.350	-7.091	54.000	32.558	AV
2			2390.000	46.503	13.949	-7.497	54.000	32.554	AV
3		*	2411.248	104.247	71.720	N/A	N/A	32.526	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:32
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2460.832	108.082	75.568	N/A	N/A	32.514	PK
2			2483.500	57.830	25.249	-16.170	74.000	32.580	PK
3			2496.616	60.954	28.334	-13.046	74.000	32.620	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:35
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0	

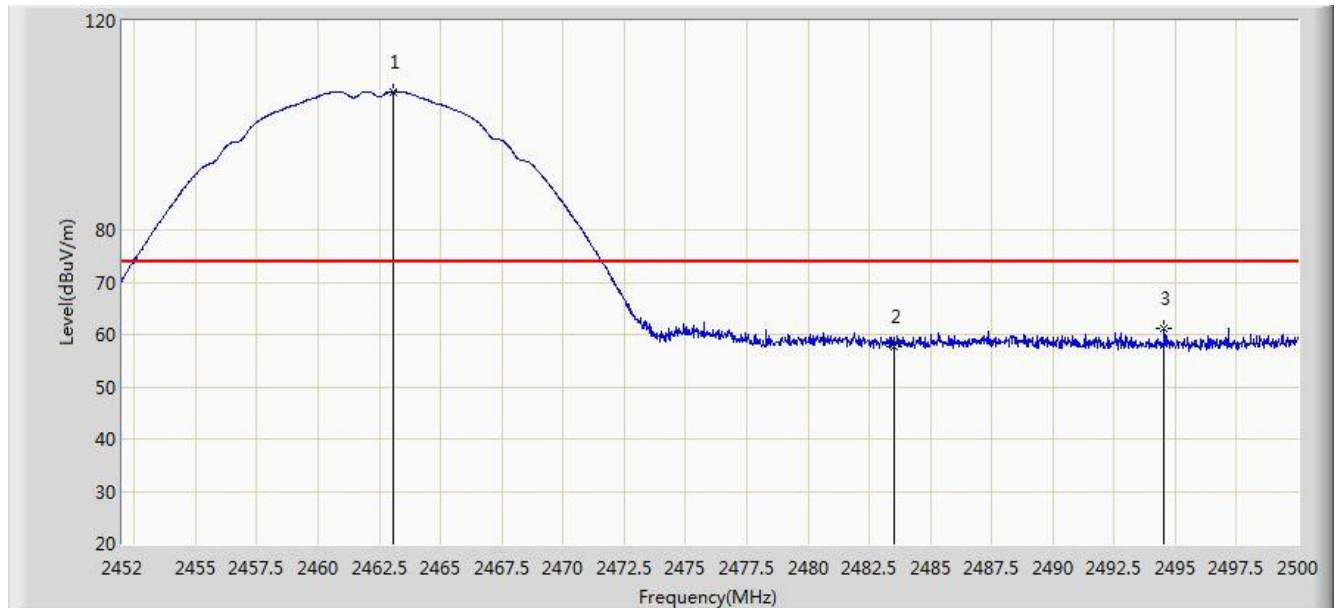


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.192	104.674	72.159	N/A	N/A	32.515	AV
2			2483.500	46.769	14.188	-7.231	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:36
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.088	106.514	73.994	N/A	N/A	32.520	PK
2			2483.500	57.760	25.179	-16.240	74.000	32.580	PK
3			2494.552	61.236	28.622	-12.764	74.000	32.613	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:37
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 0	

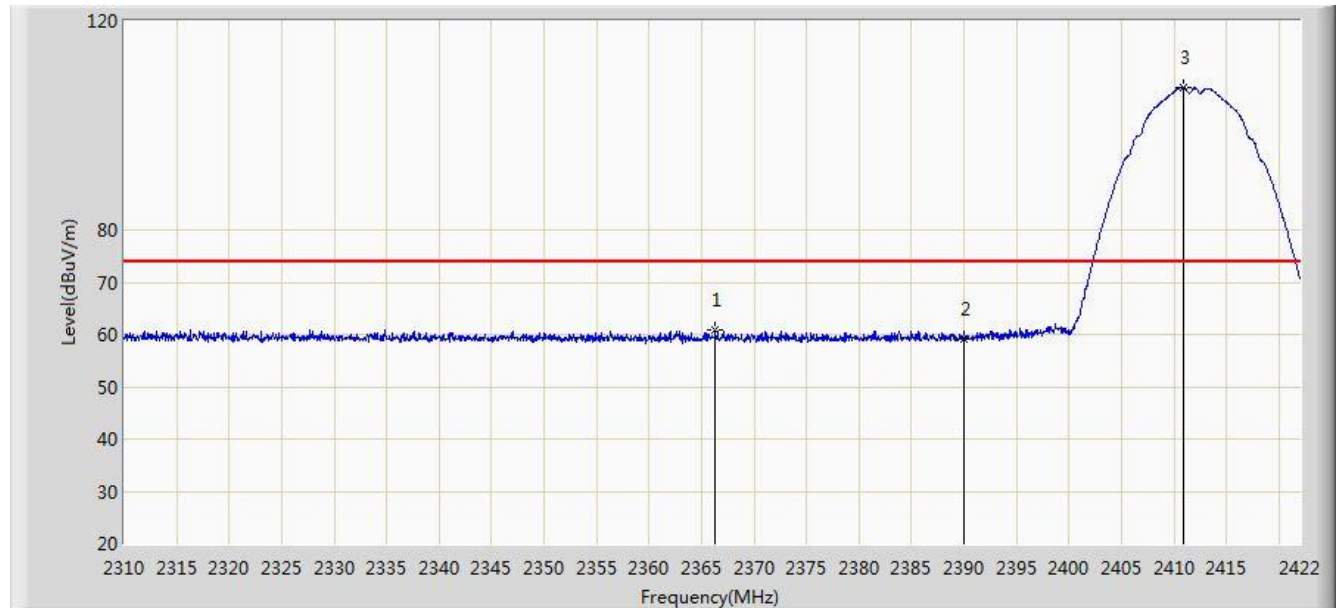


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.192	103.011	70.496	N/A	N/A	32.515	AV
2			2483.500	46.812	14.231	-7.188	54.000	32.580	AV
3			2488.336	47.184	14.589	-6.816	54.000	32.595	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:39
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 1	

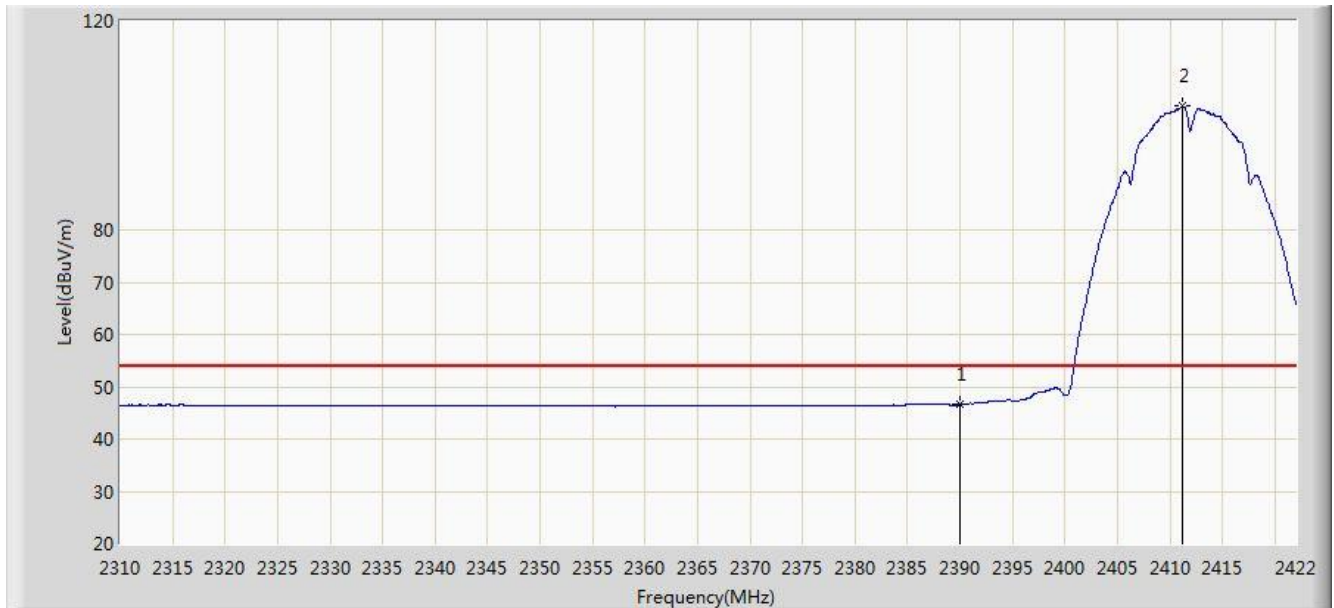


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2366.336	60.982	28.395	-13.018	74.000	32.588	PK
2			2390.000	59.197	26.643	-14.803	74.000	32.554	PK
3		*	2410.856	107.260	74.733	N/A	N/A	32.527	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:42
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 1	

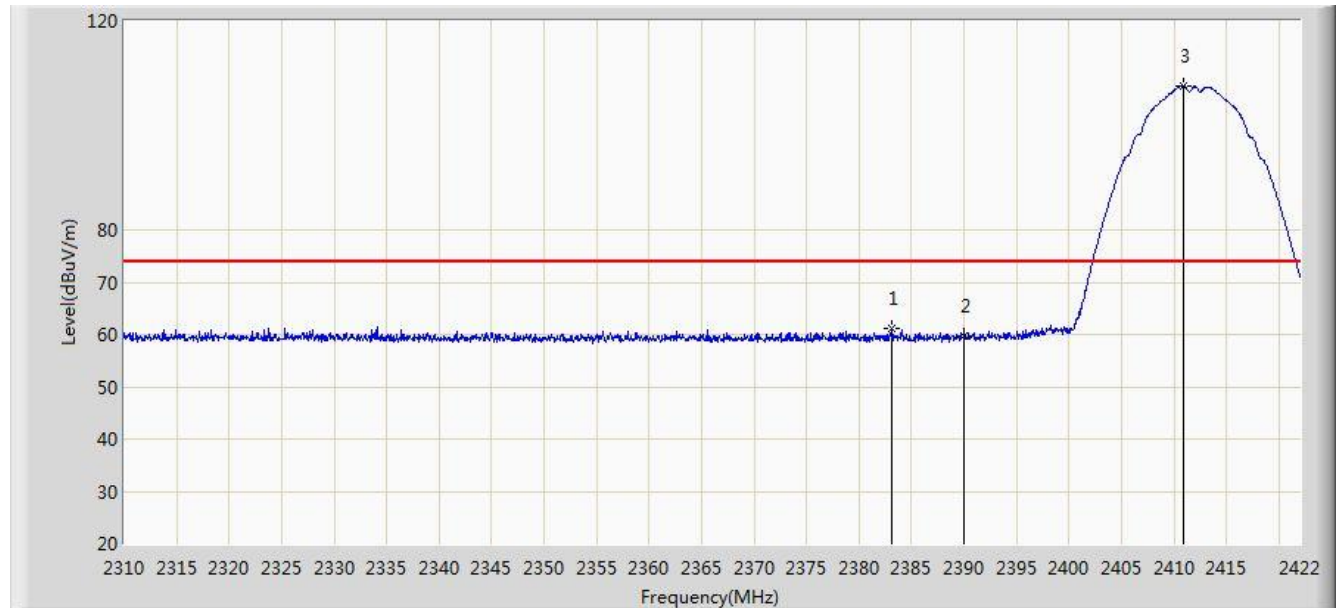


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.574	14.020	-7.426	54.000	32.554	AV
2		*	2411.192	103.714	71.187	N/A	N/A	32.527	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:43
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 1	

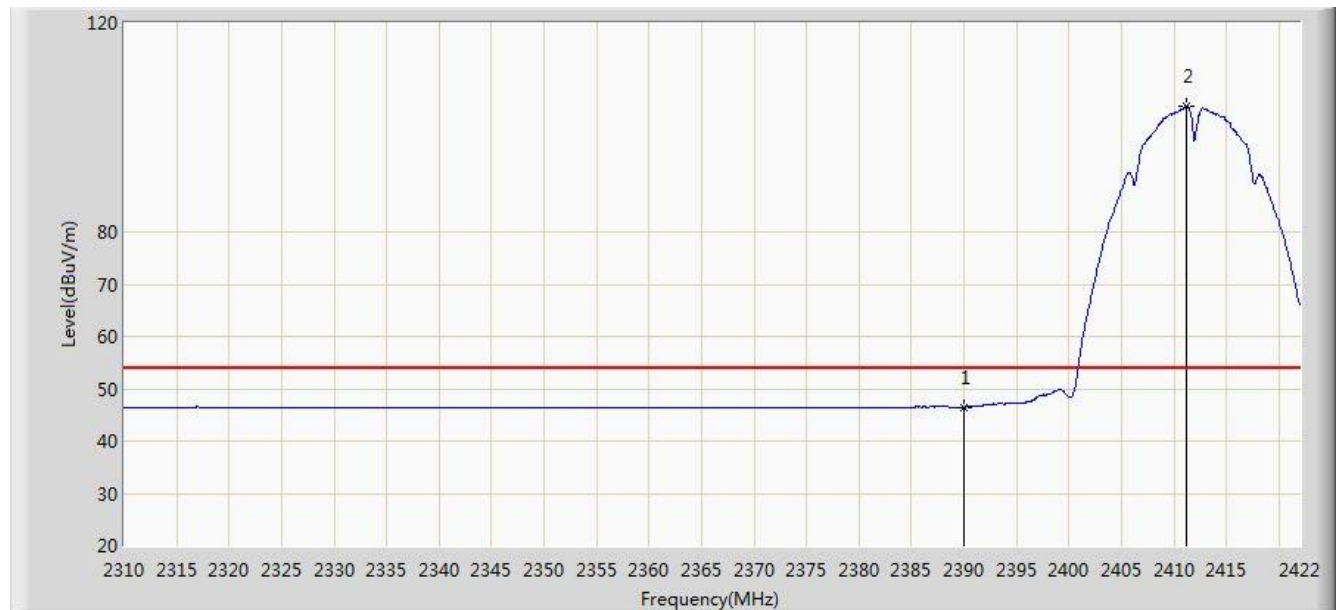


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2383.192	61.183	28.619	-12.817	74.000	32.564	PK
2			2390.000	59.825	27.271	-14.175	74.000	32.554	PK
3		*	2410.856	107.509	74.982	N/A	N/A	32.527	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:45
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2412MHz Ant 1	

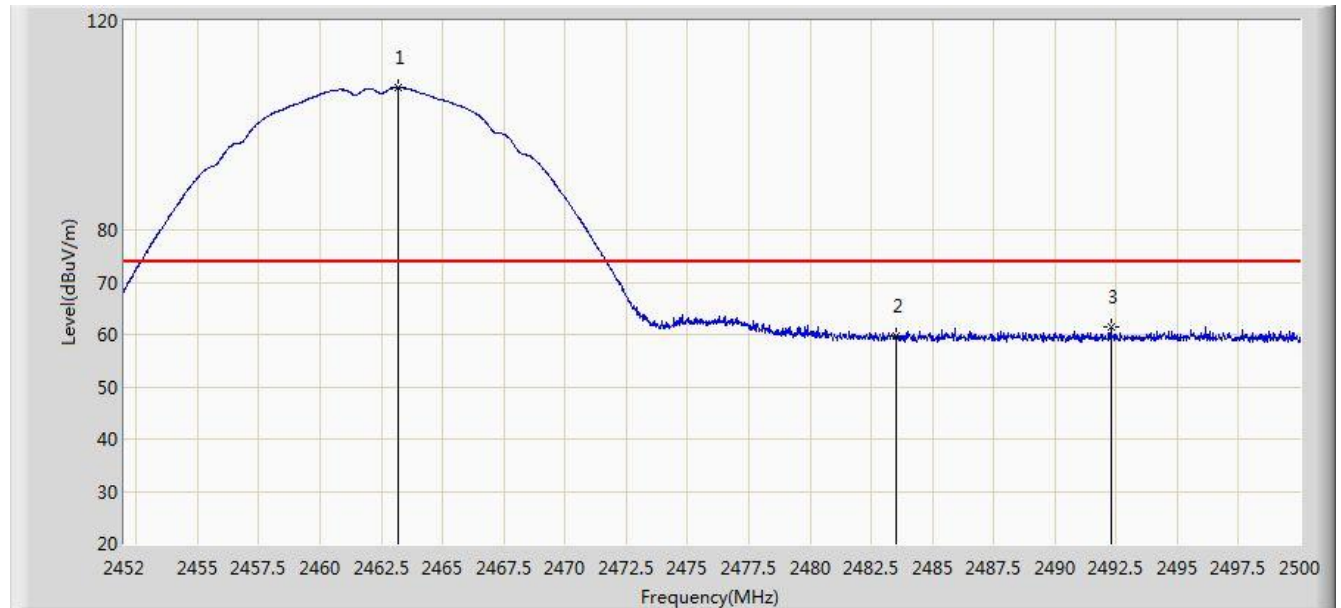


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	46.499	13.945	-7.501	54.000	32.554	AV
2		*	2411.136	104.053	71.526	N/A	N/A	32.527	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:46
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 1	

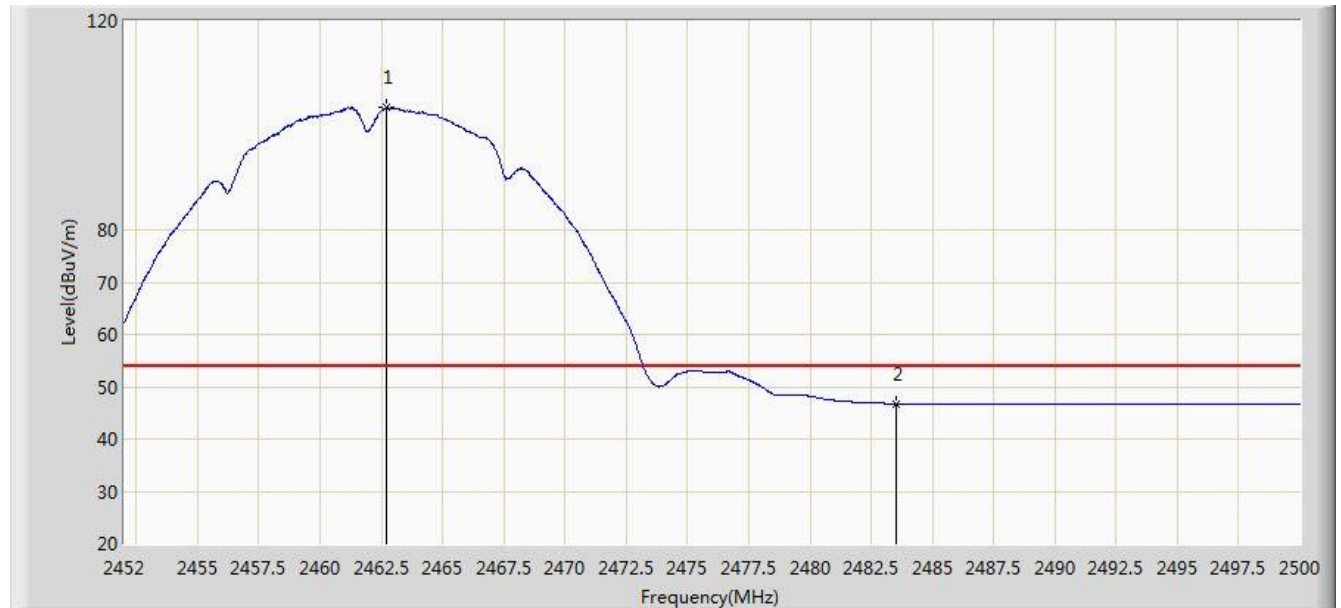


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.208	107.211	74.691	N/A	N/A	32.520	PK
2			2483.500	59.701	27.120	-14.299	74.000	32.580	PK
3			2492.272	61.314	28.707	-12.686	74.000	32.607	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:49
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 1	

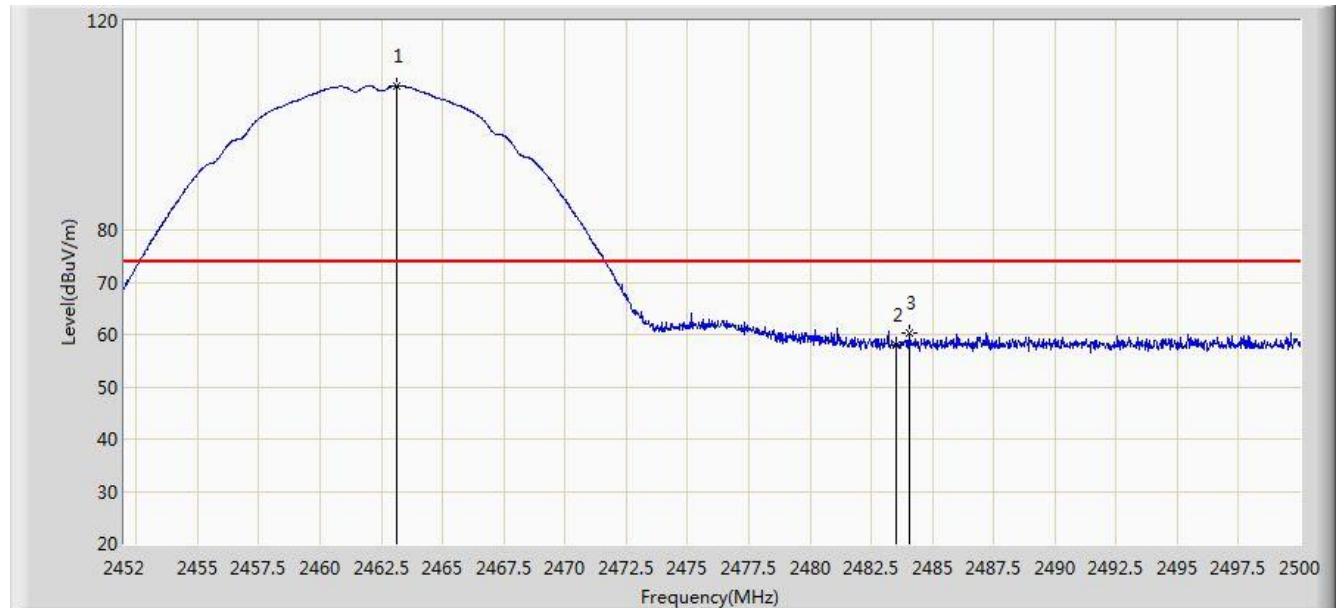


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2462.728	103.484	70.966	N/A	N/A	32.518	AV
2			2483.500	46.739	14.158	-7.261	54.000	32.580	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:50
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.136	107.579	75.059	N/A	N/A	32.520	PK
2			2483.500	57.967	25.386	-16.033	74.000	32.580	PK
3			2484.088	60.208	27.626	-13.792	74.000	32.582	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:51
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11b at channel 2462MHz Ant 1	

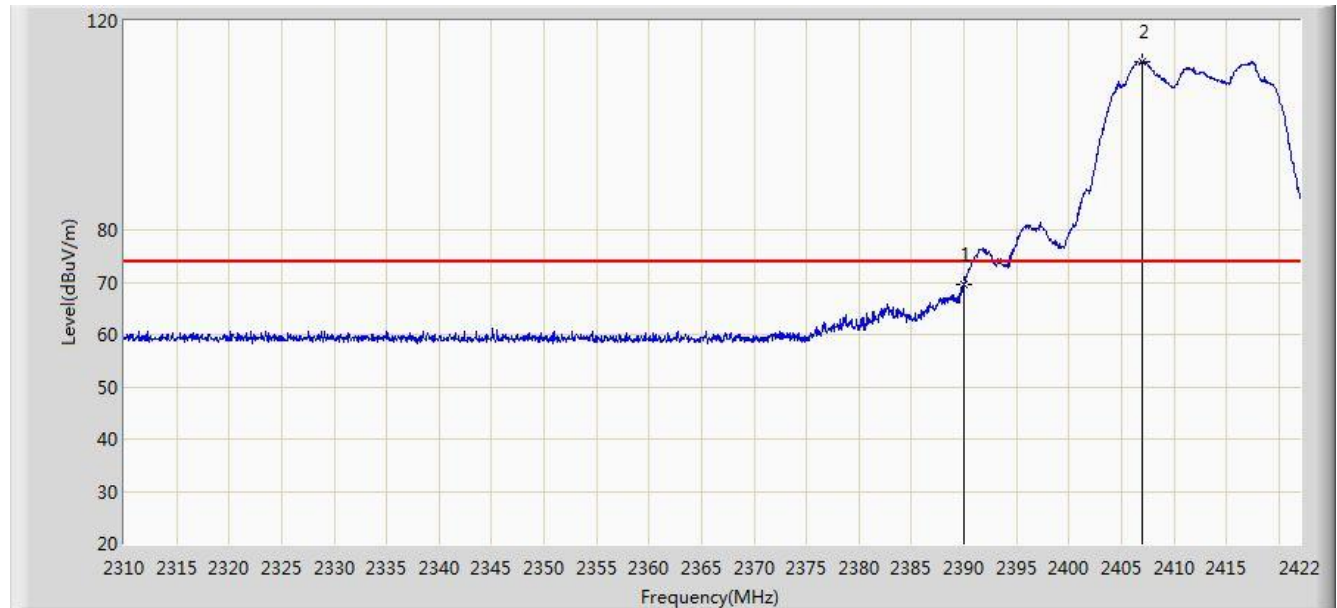


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2461.240	104.059	71.544	N/A	N/A	32.515	AV
2			2483.500	46.694	14.113	-7.306	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:52
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz (CDD Mode)	

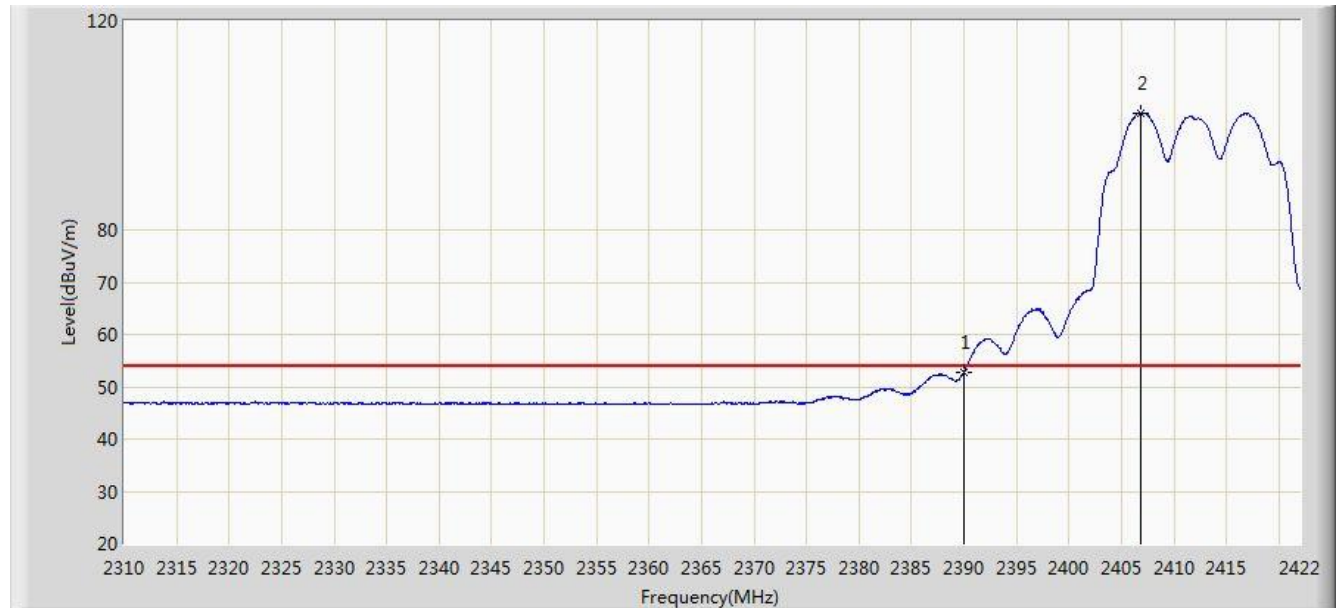


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	69.577	37.023	-4.423	74.000	32.554	PK
2		*	2406.936	112.187	79.655	N/A	N/A	32.532	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:56
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz Ant (CDD Mode)	

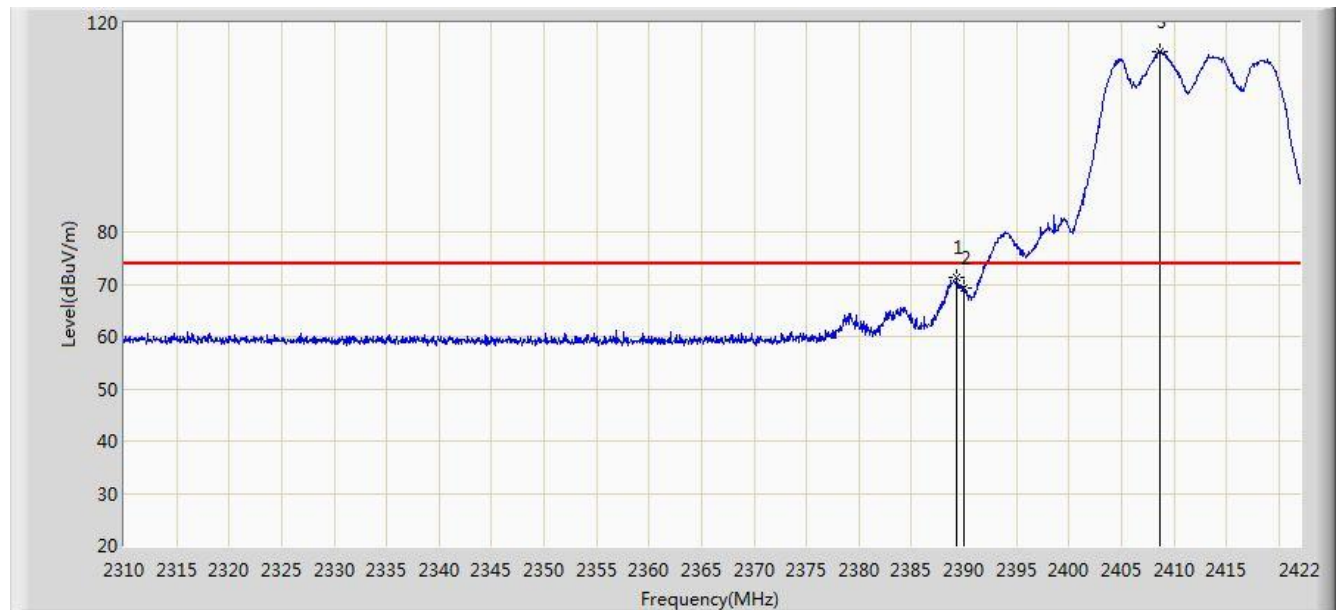


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.893	20.339	-1.107	54.000	32.554	AV
2		*	2406.824	102.454	69.922	N/A	N/A	32.532	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 13:57
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz (CDD Mode)	

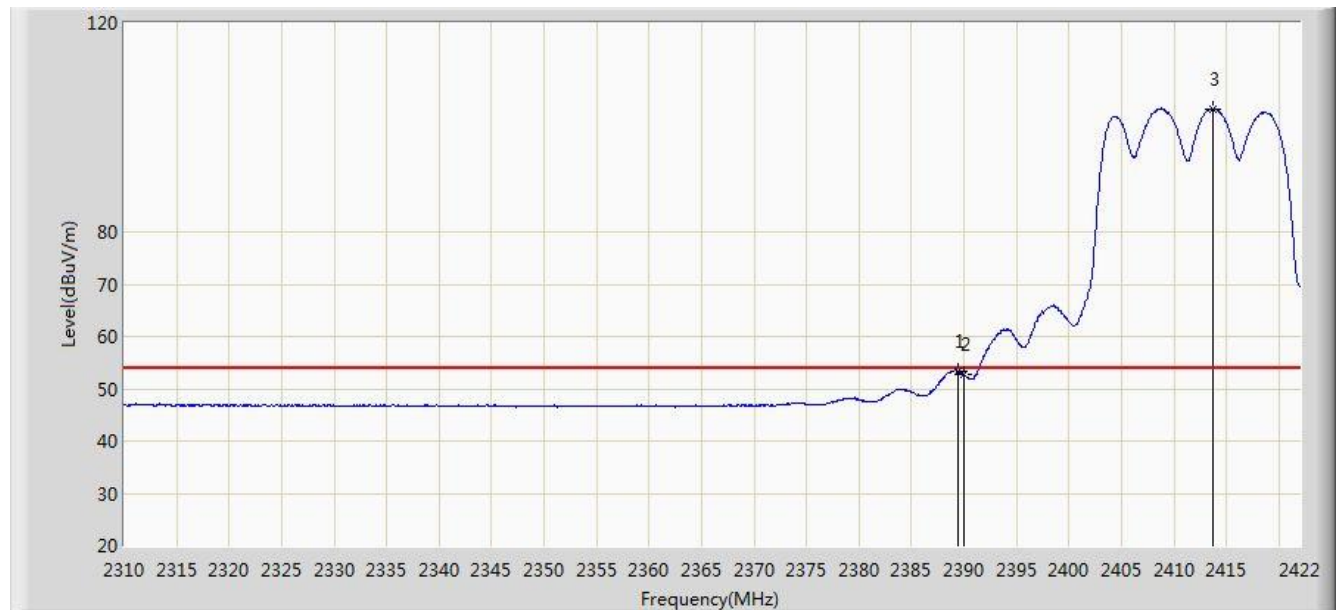


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.352	71.209	38.654	-2.791	74.000	32.555	PK
2			2390.000	69.335	36.781	-4.665	74.000	32.554	PK
3		*	2408.728	114.491	81.961	N/A	N/A	32.530	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:00
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11g at channel 2412MHz (CDD Mode)	

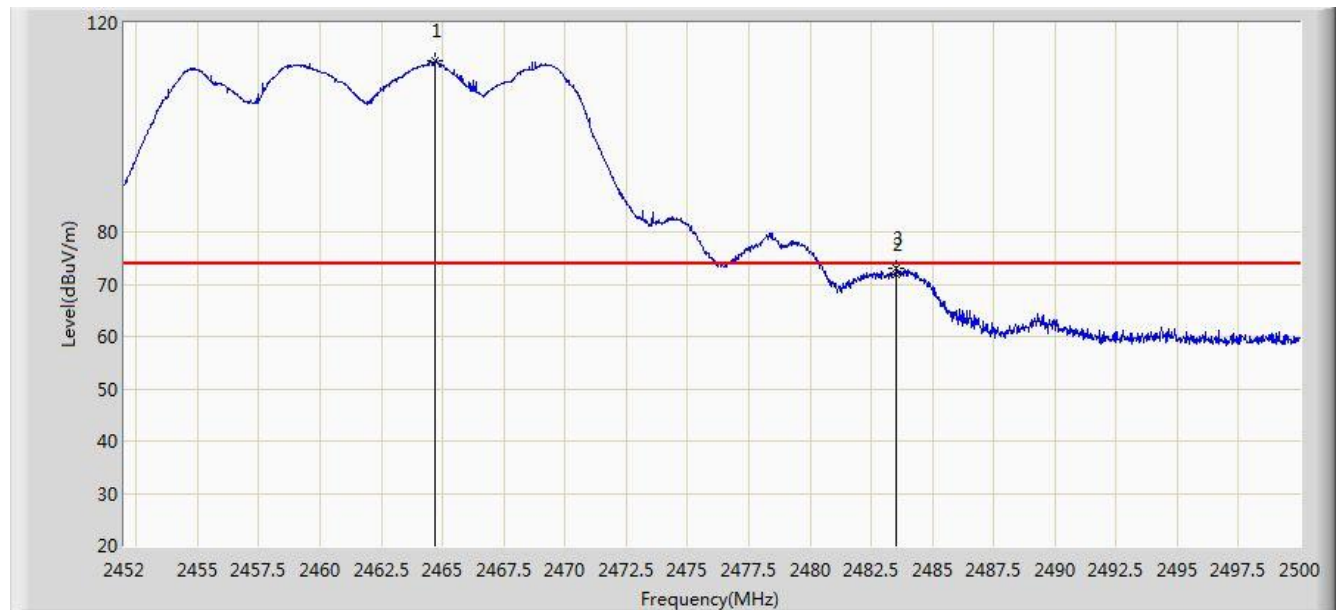


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.464	53.474	20.919	-0.526	54.000	32.555	AV
2			2390.000	52.637	20.083	-1.363	54.000	32.554	AV
3		*	2413.768	103.522	70.999	N/A	N/A	32.523	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:01
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz (CDD Mode)	

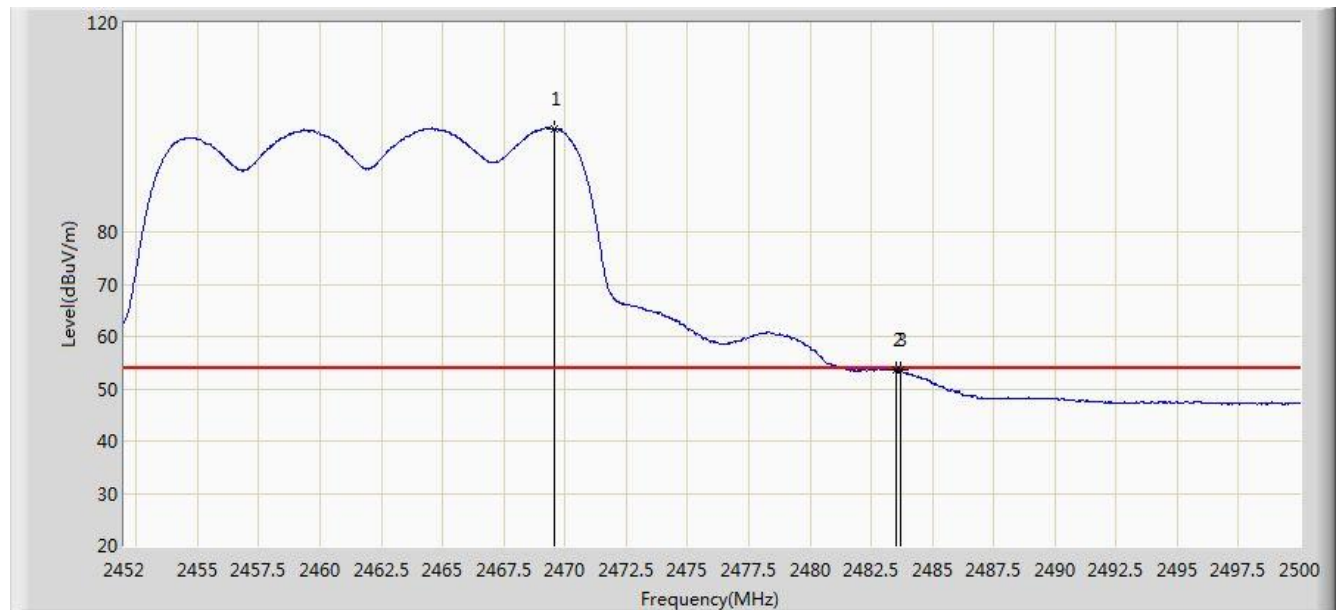


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.672	112.618	80.094	N/A	N/A	32.524	PK
2			2483.500	71.870	39.289	-2.130	74.000	32.580	PK
3			2483.536	73.042	40.461	-0.958	74.000	32.580	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:02
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz (CDD Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2469.592	99.750	67.211	N/A	N/A	32.538	AV
2			2483.500	53.525	20.944	-0.475	54.000	32.580	AV
3			2483.680	53.681	21.100	-0.319	54.000	32.582	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:06
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz (CDD Mode)	

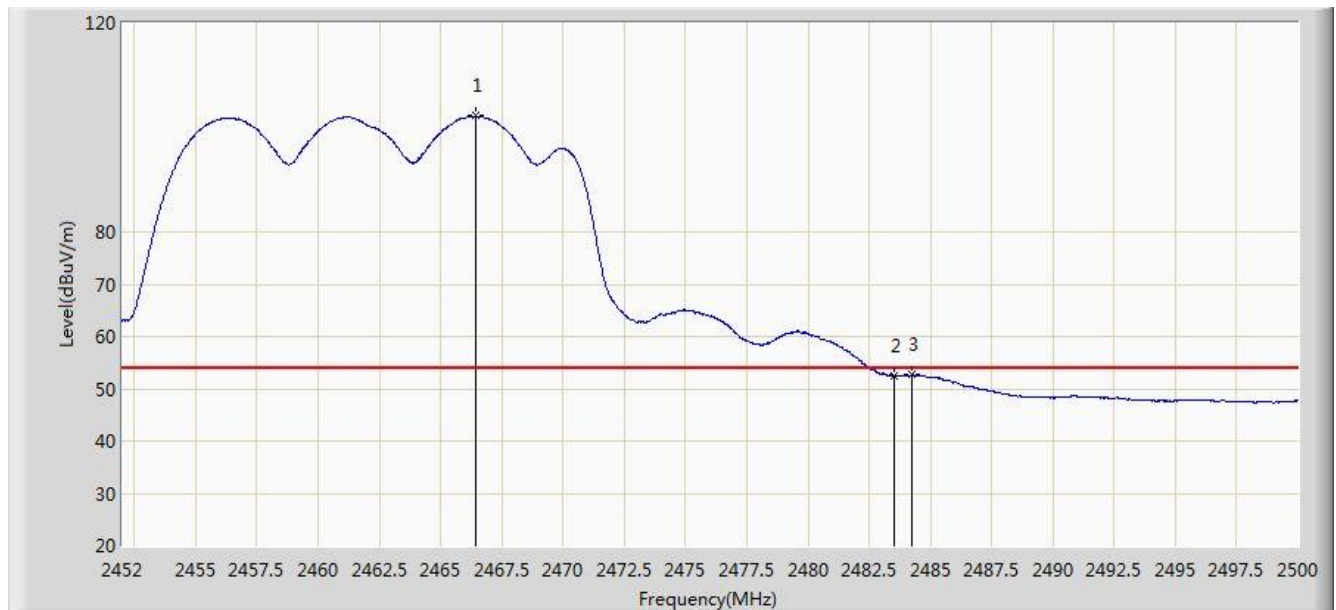


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.296	111.507	79.001	N/A	N/A	32.507	PK
2			2483.500	67.908	35.327	-6.092	74.000	32.580	PK
3			2484.664	70.472	37.888	-3.528	74.000	32.584	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:07
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11g at channel 2462MHz (CDD Mode)	

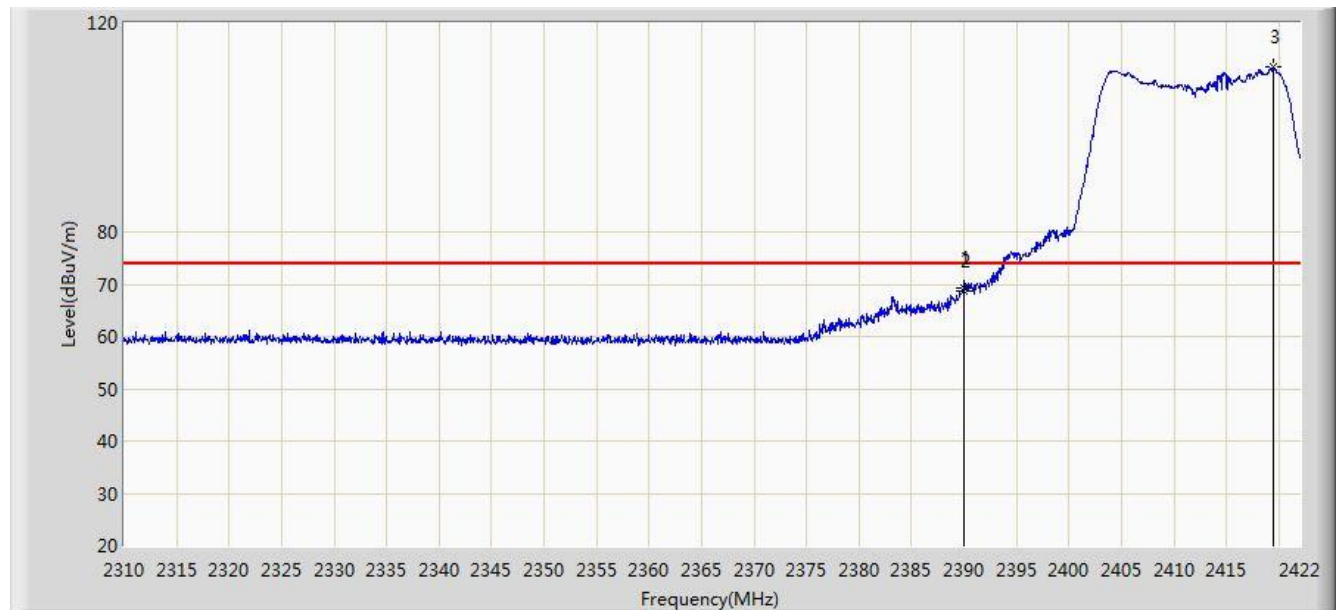


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2466.424	102.198	69.669	N/A	N/A	32.530	AV
2			2483.500	52.454	19.873	-1.546	54.000	32.580	AV
3			2484.232	52.706	20.123	-1.294	54.000	32.583	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:08
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz (CDD Mode)	

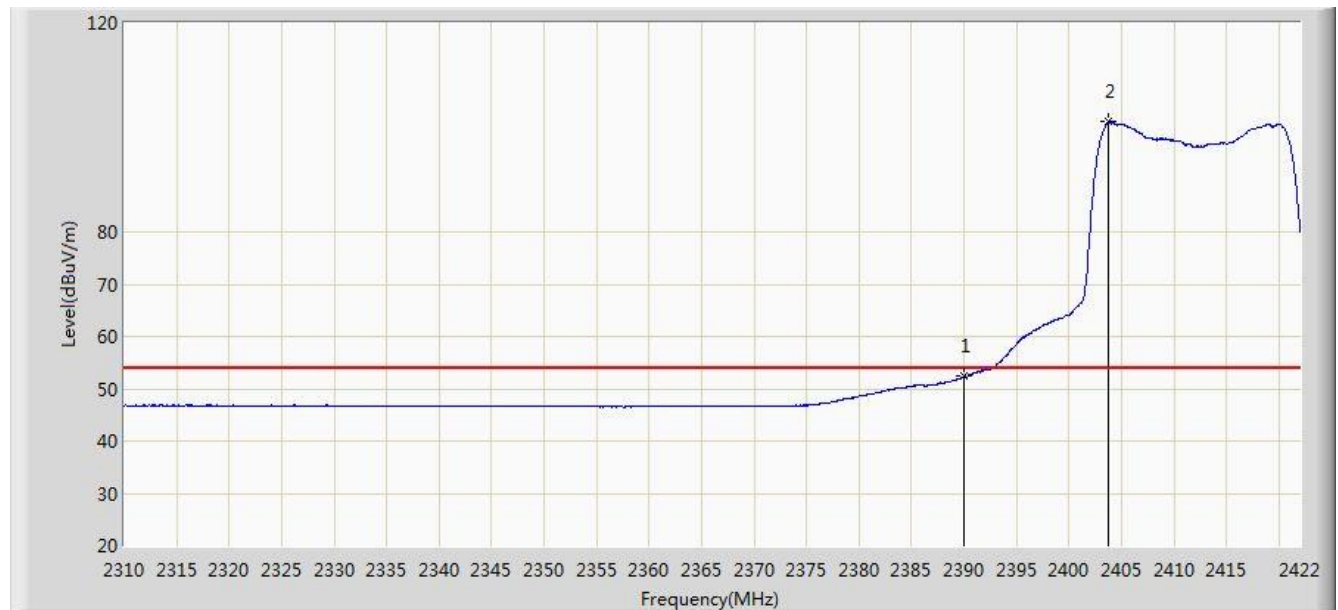


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.968	69.238	36.684	-4.762	74.000	32.554	PK
2			2390.000	68.786	36.232	-5.214	74.000	32.554	PK
3		*	2419.424	111.580	79.063	N/A	N/A	32.517	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:12
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz (CDD Mode)	

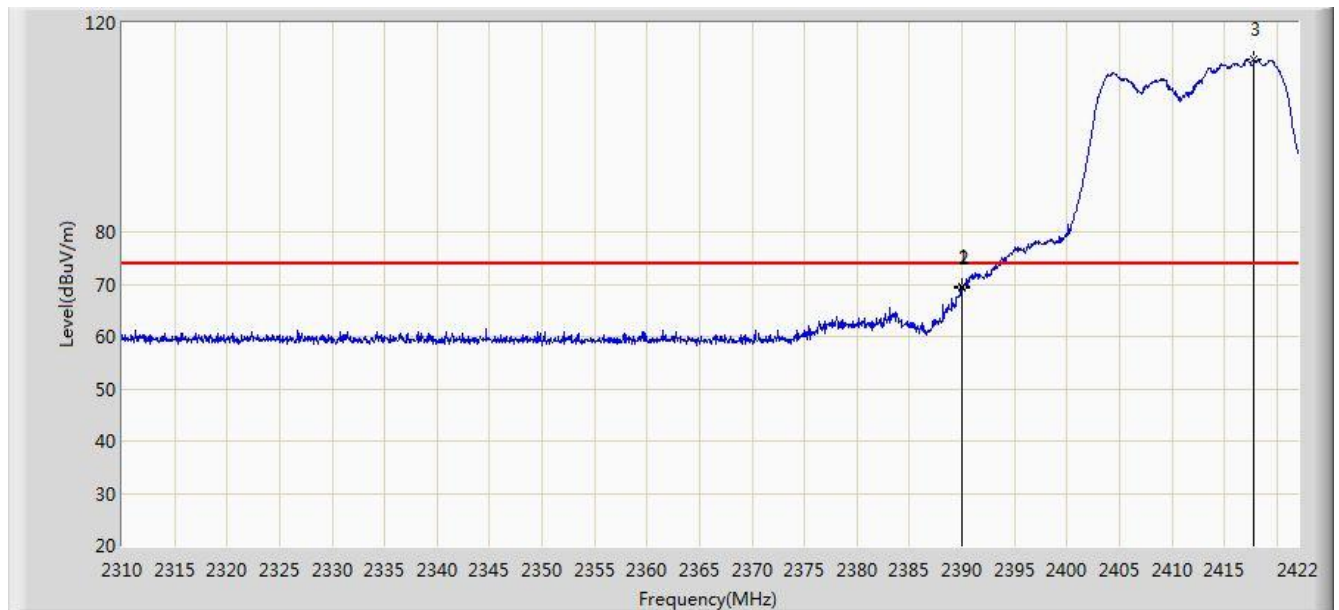


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.337	19.783	-1.663	54.000	32.554	AV
2		*	2403.800	101.059	68.523	N/A	N/A	32.536	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:24
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz (CDD Mode)	

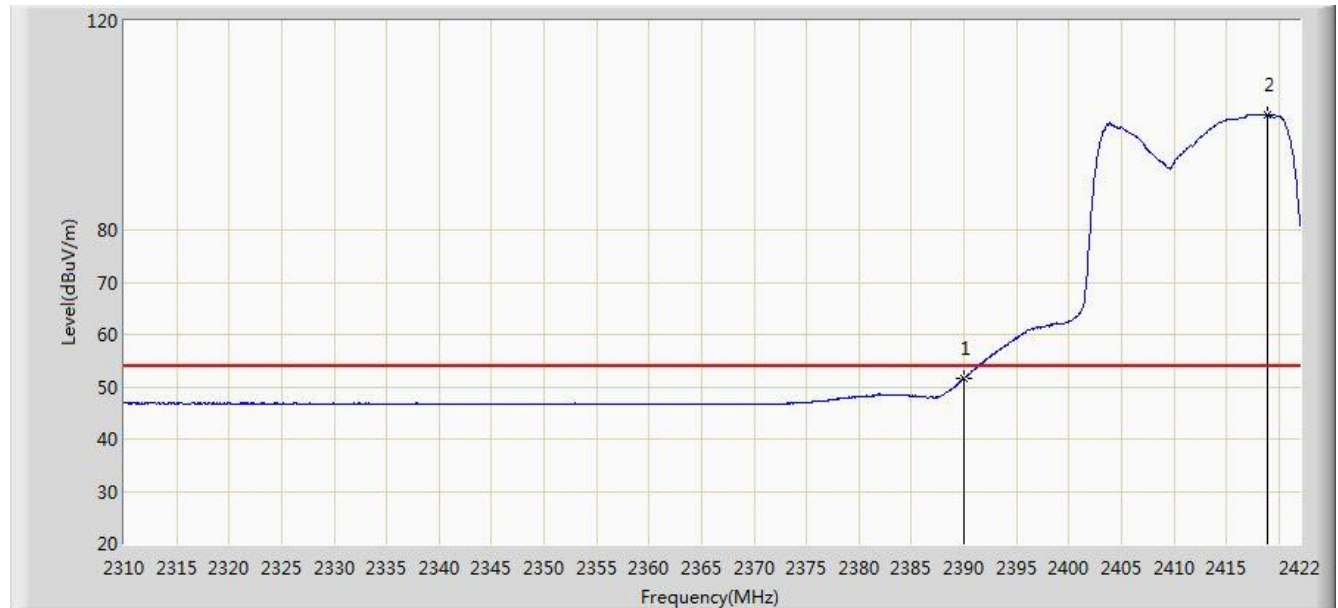


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.968	69.498	36.923	-4.502	74.000	32.575	PK
2			2390.000	69.162	36.608	-4.838	74.000	32.554	PK
3		*	2417.856	113.148	80.629	N/A	N/A	32.518	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:32
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz (CDD Mode)	

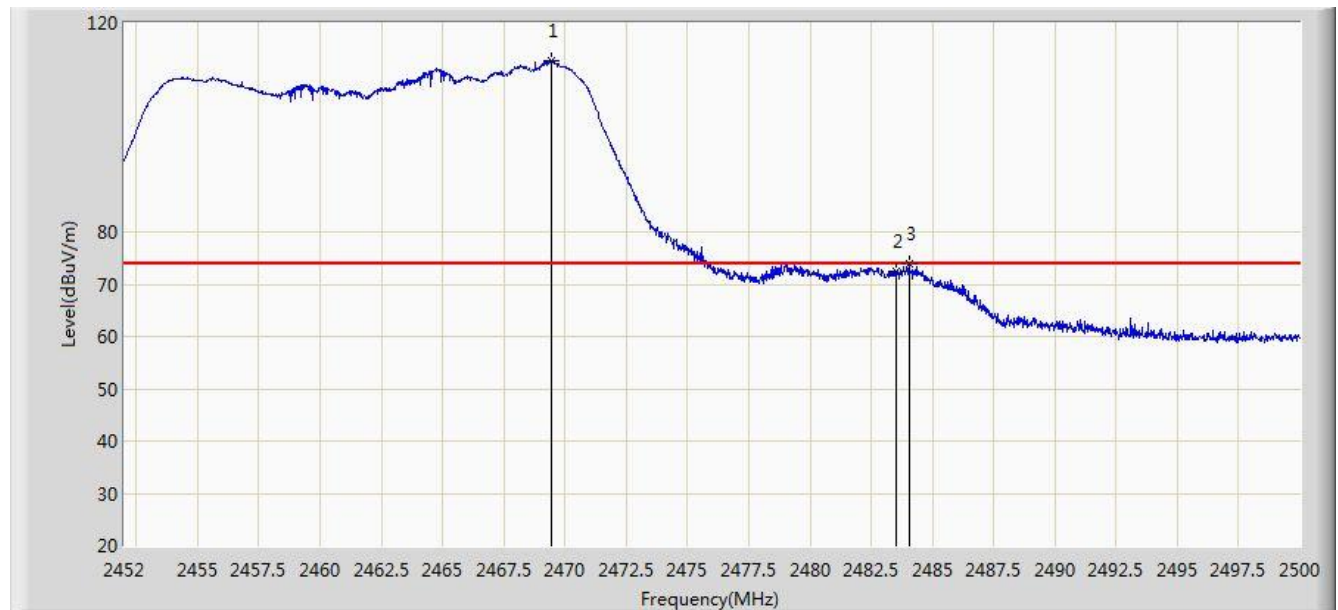


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.646	19.071	-2.354	54.000	32.575	AV
2		*	2418.920	102.148	69.610	N/A	N/A	32.538	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:52
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz (CDD Mode)	

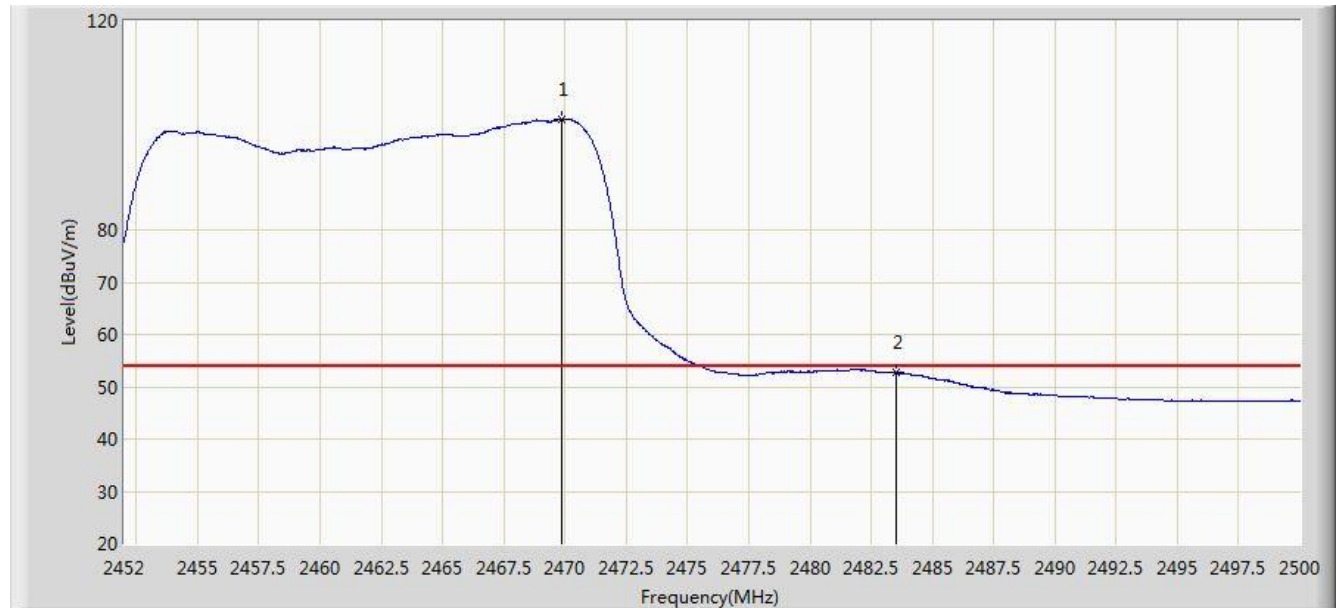


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2469.448	112.869	80.331	N/A	N/A	32.538	PK
2			2483.500	72.486	39.905	-1.514	74.000	32.580	PK
3			2484.064	73.791	41.209	-0.209	74.000	32.582	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:53
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz (CDD Mode)	

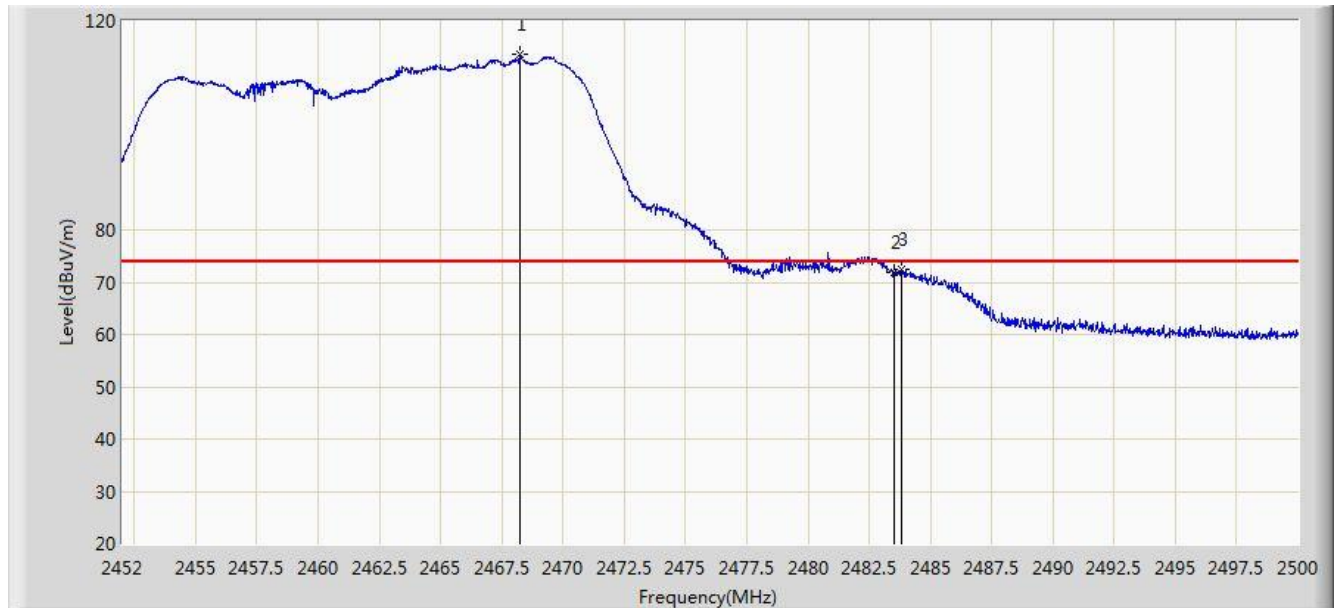


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2469.880	101.268	68.728	N/A	N/A	32.540	AV
2			2483.500	52.682	20.101	-1.318	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 14:57
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz (CDD Mode)	

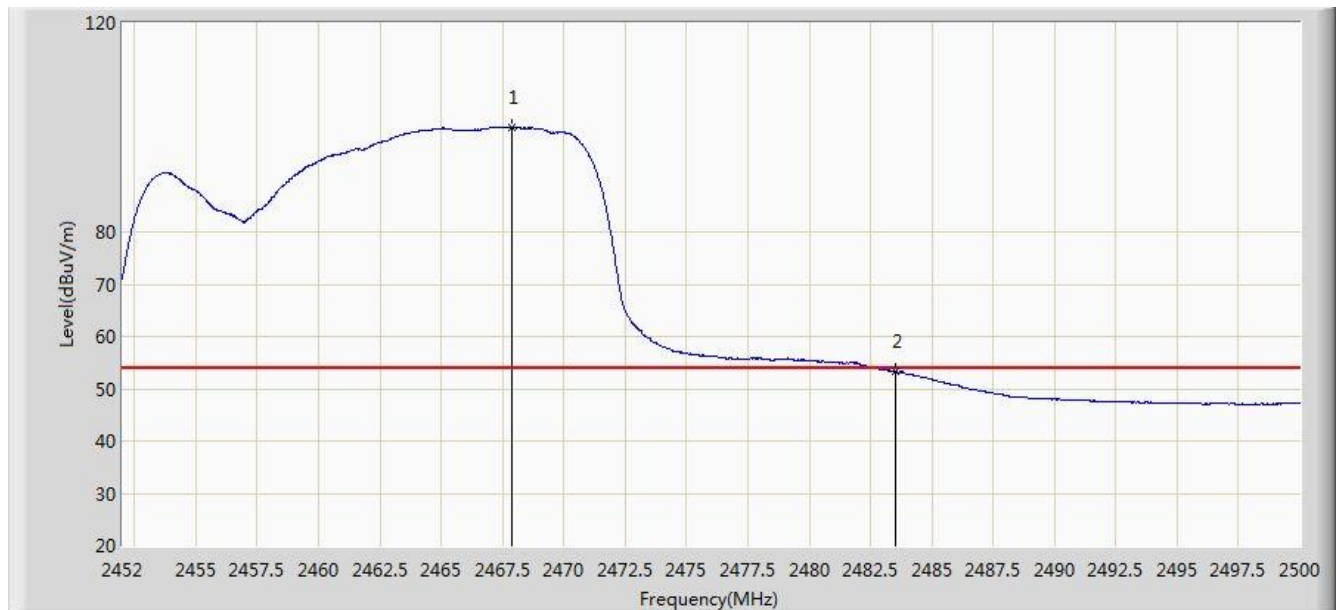


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2468.248	113.749	81.214	N/A	N/A	32.535	PK
2			2483.500	71.786	39.205	-2.214	74.000	32.580	PK
3			2483.800	72.468	39.887	-1.532	74.000	32.582	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:01
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz (CDD Mode)	

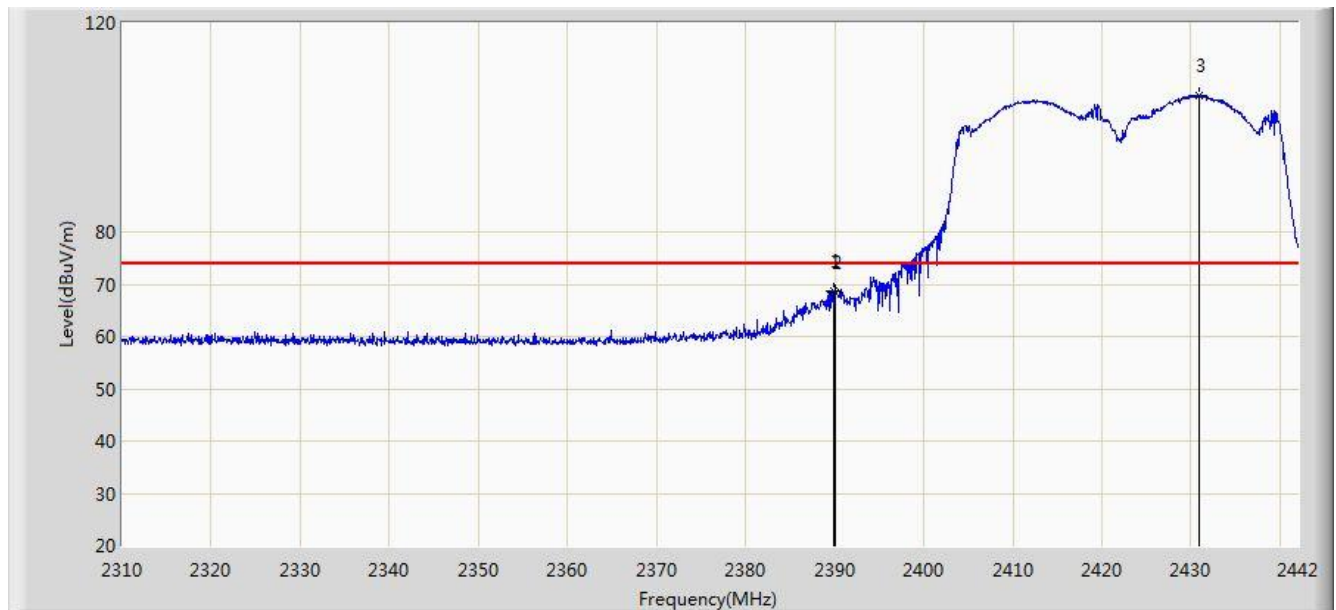


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.864	100.089	67.555	N/A	N/A	32.533	AV
2			2483.500	53.256	20.675	-0.744	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:35
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz (CDD Mode)	

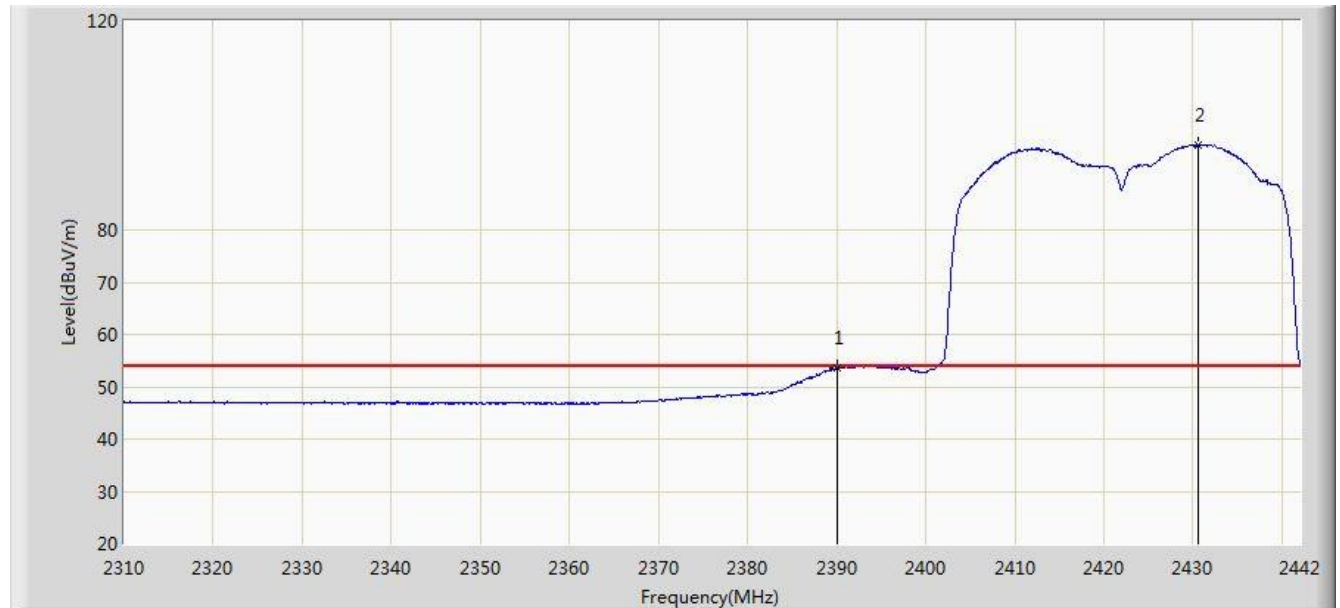


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.860	68.749	36.194	-5.251	74.000	32.555	PK
2			2390.000	68.475	35.921	-5.525	74.000	32.554	PK
3		*	2430.978	106.124	73.621	N/A	N/A	32.503	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:12
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz (CDD Mode)	

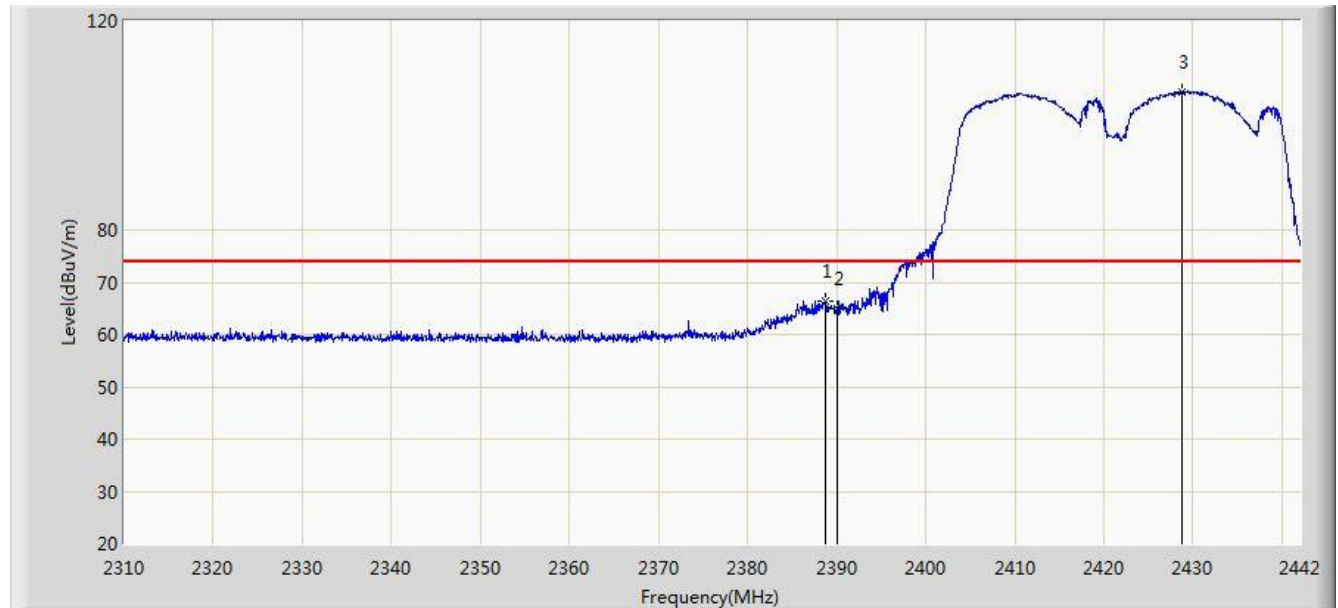


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	53.521	20.967	-0.479	54.000	32.554	AV
2		*	2430.648	96.295	63.792	N/A	N/A	32.504	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:37
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz (CDD Mode)	

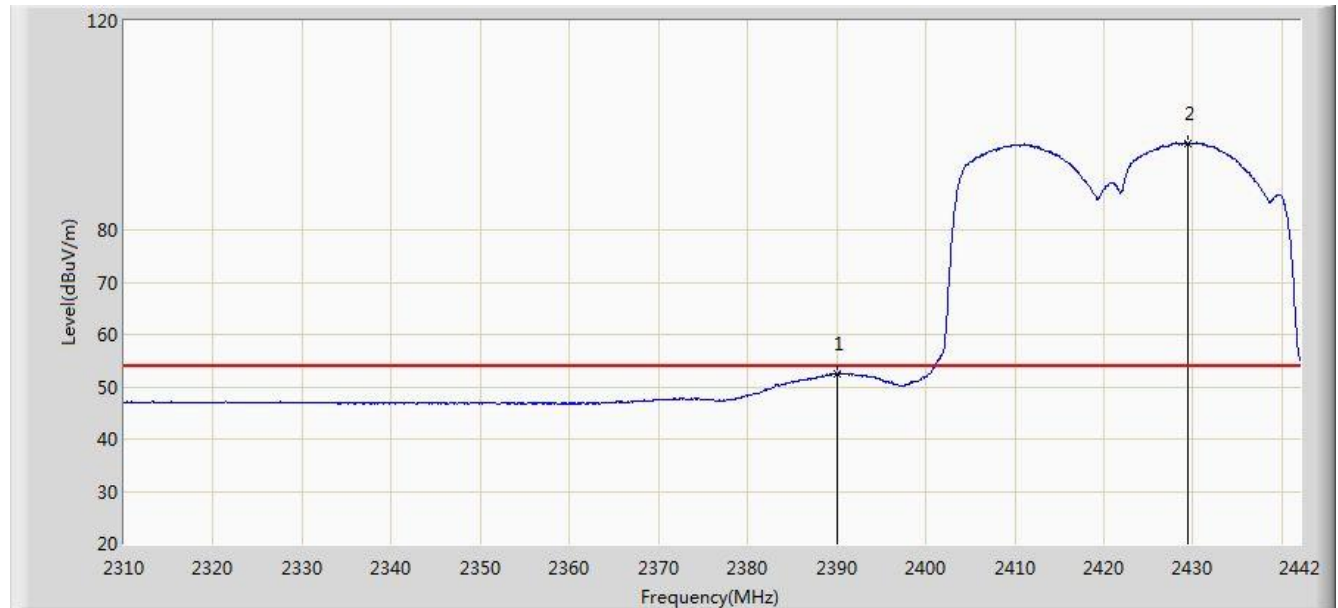


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.804	66.439	33.883	-7.561	74.000	32.556	PK
2			2390.000	64.950	32.396	-9.050	74.000	32.554	PK
3		*	2428.800	106.496	73.990	N/A	N/A	32.506	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:41
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz (CDD Mode)	

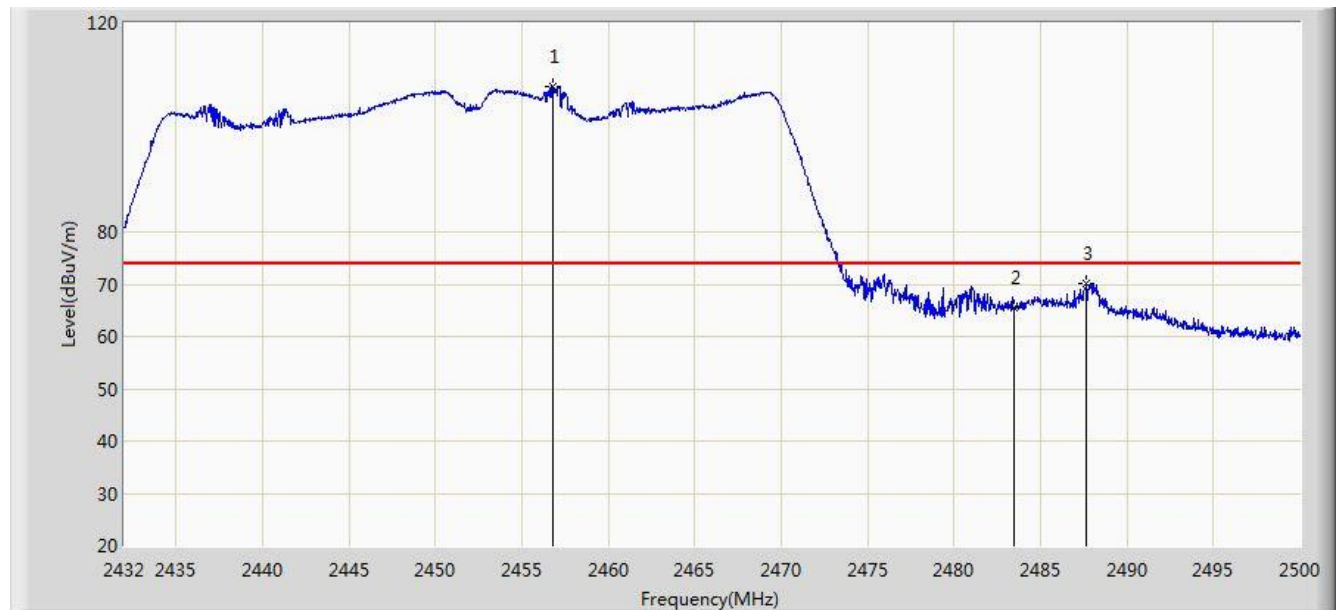


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.518	19.964	-1.482	54.000	32.554	AV
2		*	2429.394	96.560	64.055	N/A	N/A	32.505	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:46
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz (CDD Mode)	

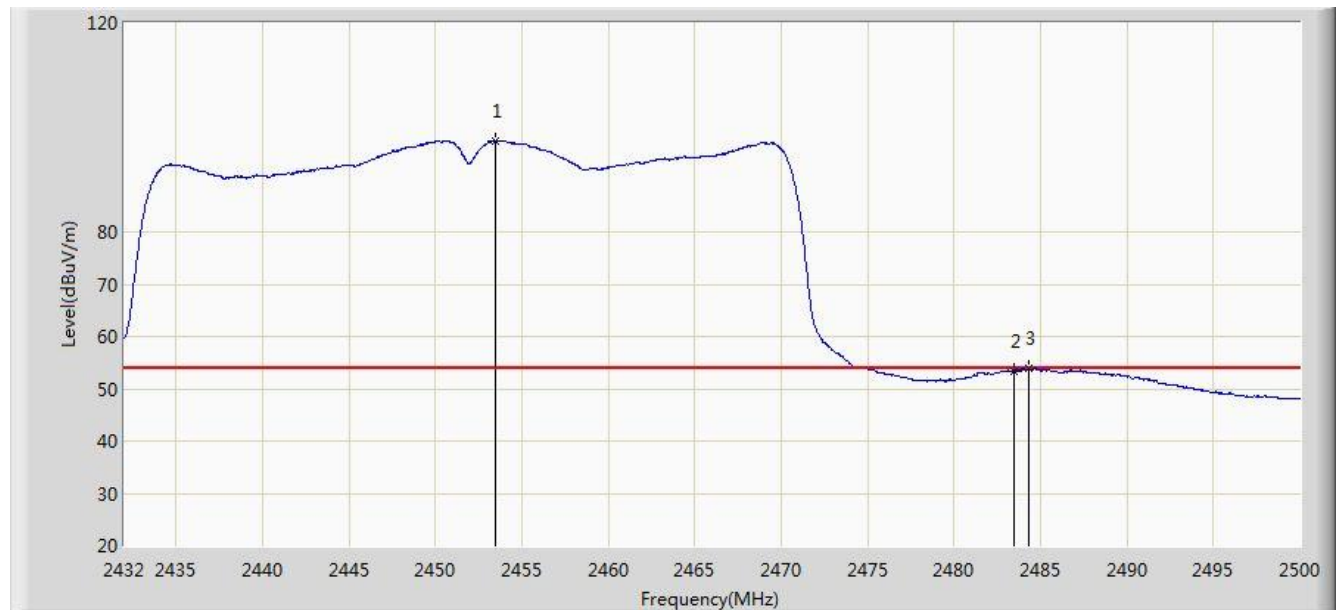


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.820	107.780	75.273	N/A	N/A	32.507	PK
2			2483.500	65.534	32.953	-8.466	74.000	32.580	PK
3			2487.658	70.044	37.451	-3.956	74.000	32.593	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:50
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz (CDD Mode)	

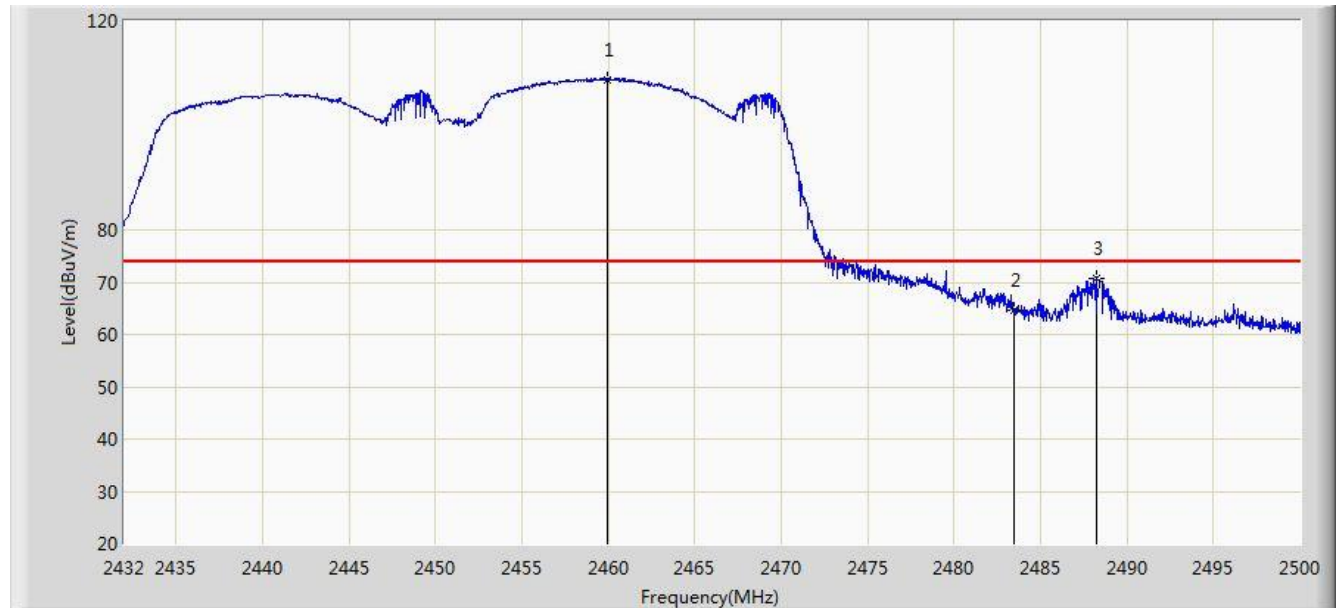


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2453.454	97.496	64.995	N/A	N/A	32.501	AV
2			2483.500	53.447	20.866	-0.553	54.000	32.580	AV
3			2484.360	53.864	21.281	-0.136	54.000	32.583	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:52
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz (CDD Mode)	

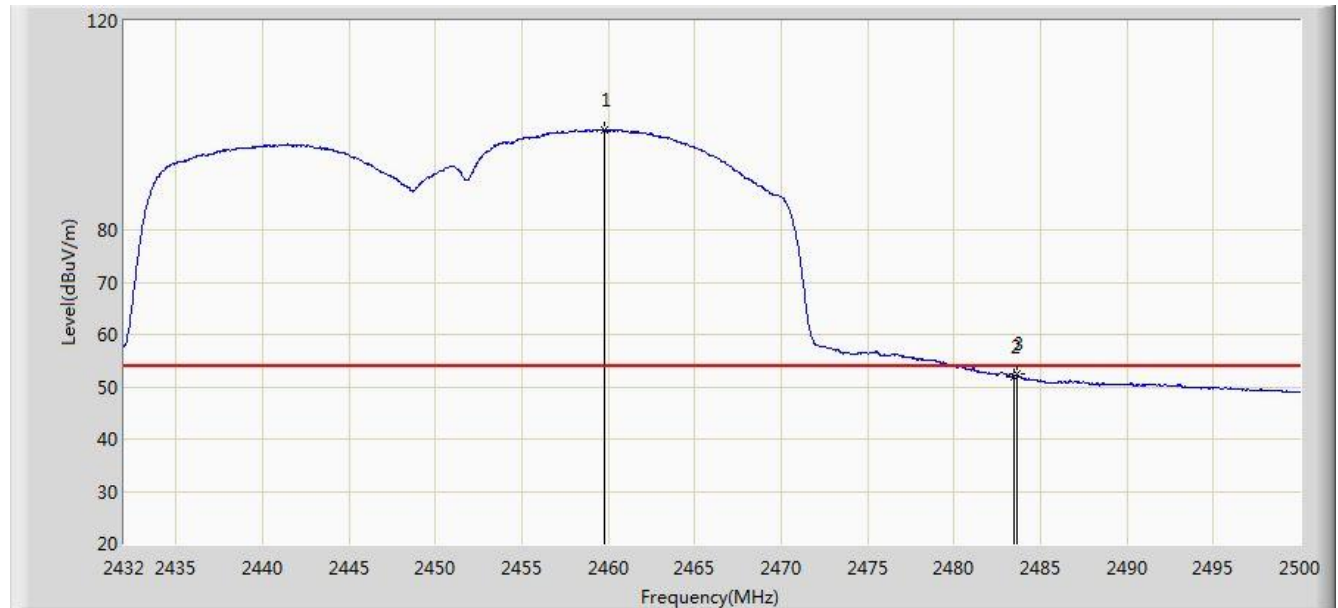


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.982	108.840	76.327	N/A	N/A	32.513	PK
2			2483.500	64.544	31.963	-9.456	74.000	32.580	PK
3			2488.236	70.868	38.273	-3.132	74.000	32.595	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/17 - 15:53
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz (CDD Mode)	

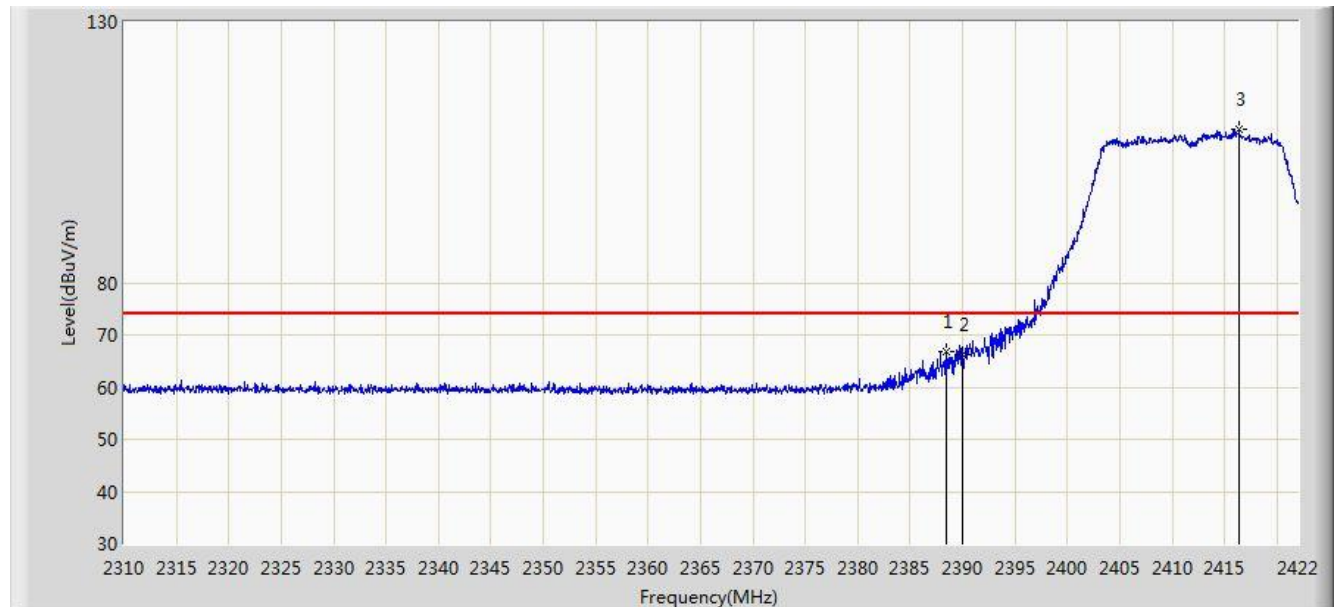


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.778	99.223	66.711	N/A	N/A	32.513	AV
2			2483.500	52.024	19.443	-1.976	54.000	32.580	AV
3			2483.612	52.339	19.758	-1.661	54.000	32.581	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/21 - 07:47
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz (Beam-Forming Mode)	

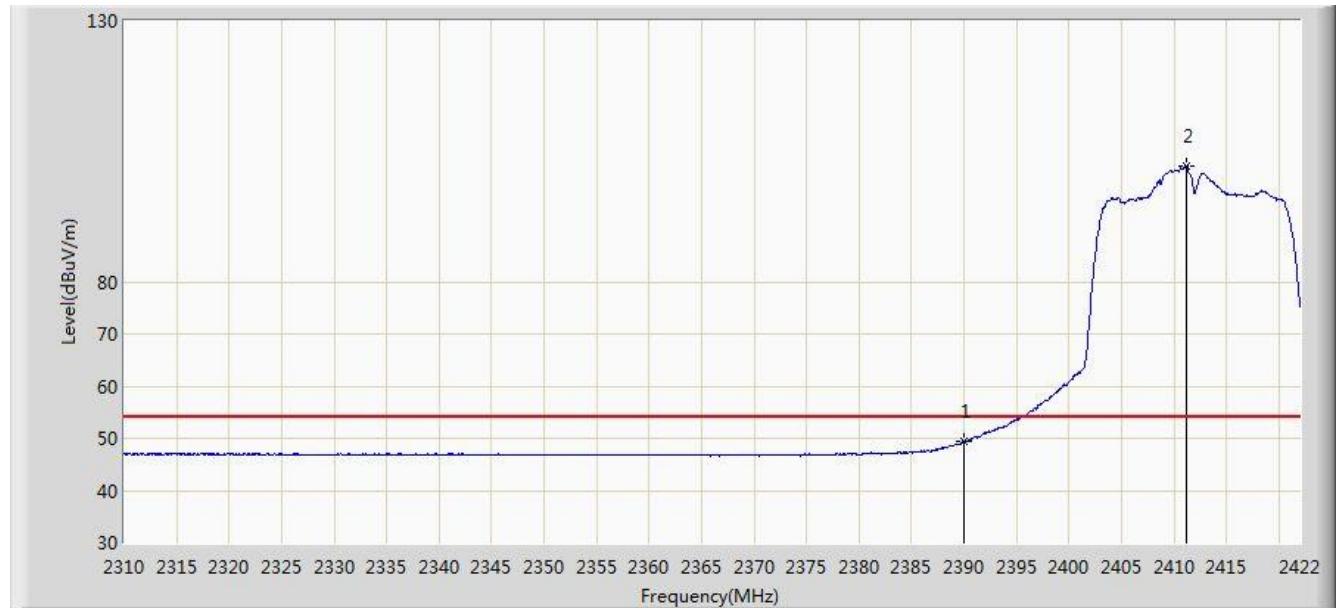


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2388.456	66.861	34.304	-7.139	74.000	32.556	PK
2			2390.000	66.226	33.672	-7.774	74.000	32.554	PK
3		*	2416.400	109.469	76.949	N/A	N/A	32.520	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 03:35
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz (Beam-Forming Mode)	

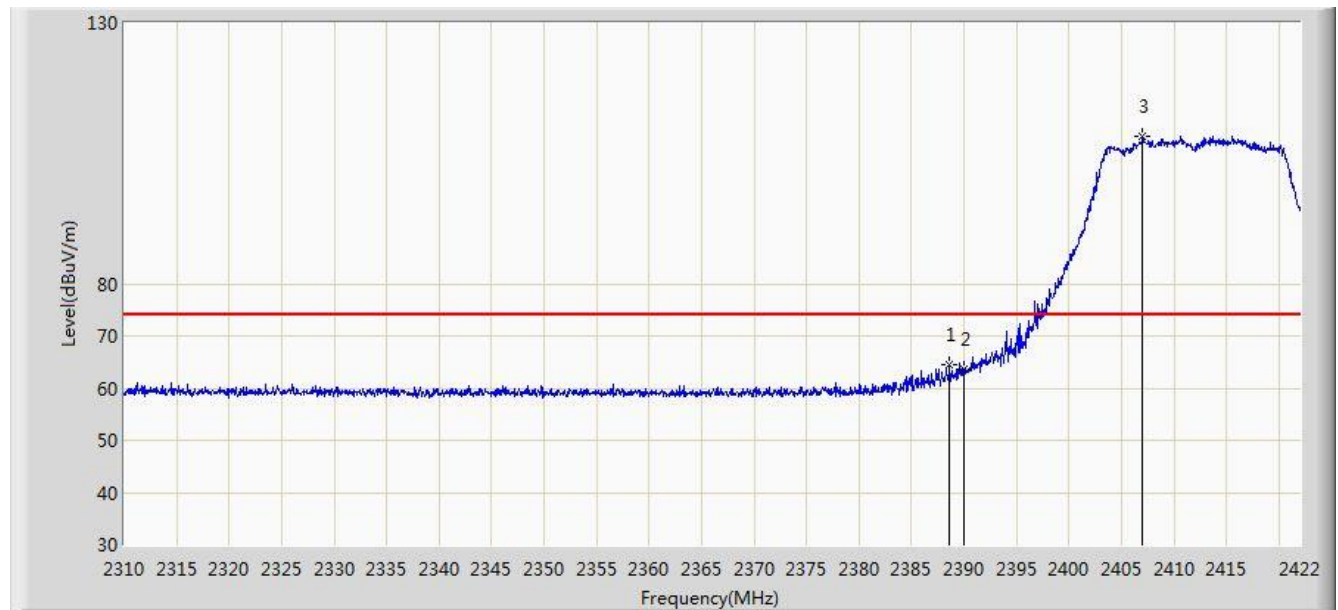


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2390.000	49.345	16.791	-4.655	54.000	32.554	AV
2		*	2411.192	102.242	69.715	N/A	N/A	32.527	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 03:36
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz (Beam-Forming Mode)	

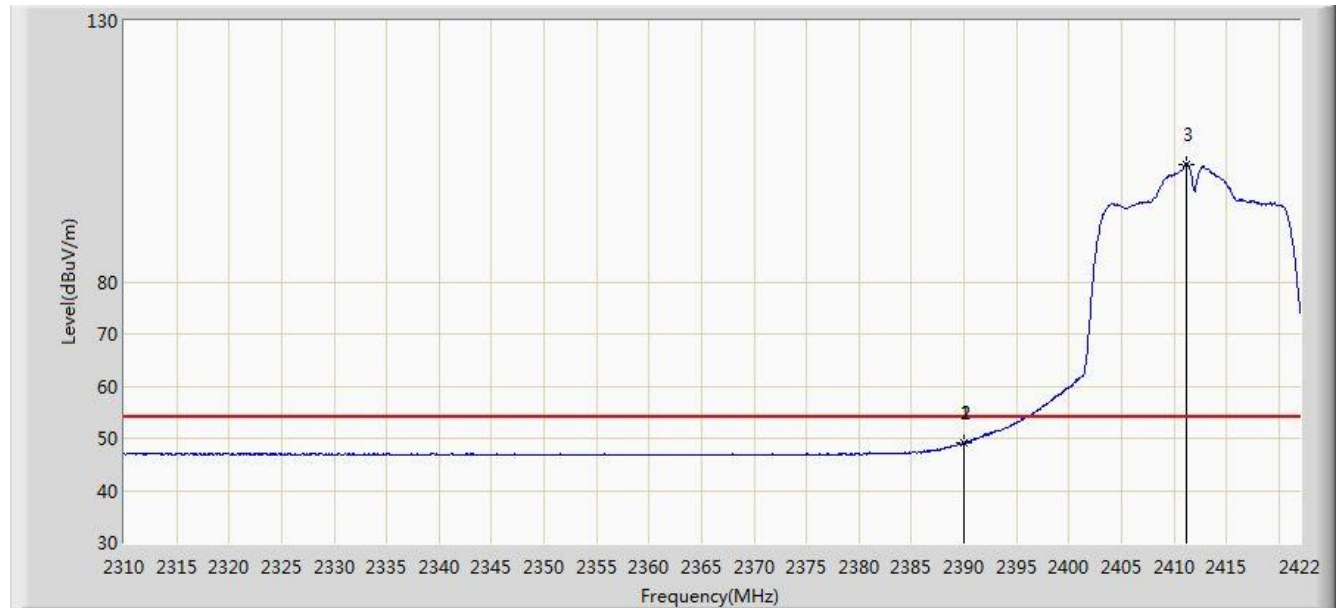


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2388.624	64.598	32.042	-9.402	74.000	32.556	PK
2			2390.000	63.511	30.957	-10.489	74.000	32.554	PK
3		*	2407.048	108.151	75.619	N/A	N/A	32.532	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 03:38
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2412MHz (Beam-Forming Mode)	

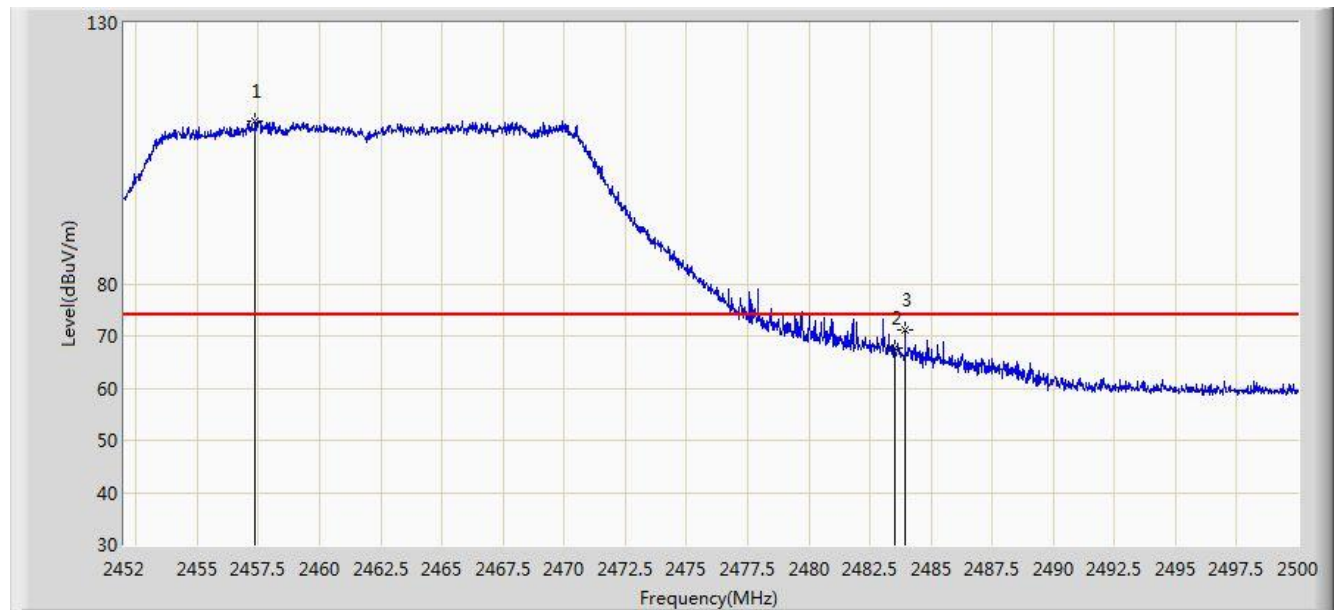


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.968	49.096	16.542	-4.904	54.000	32.554	AV
2			2390.000	49.044	16.490	-4.956	54.000	32.554	AV
3		*	2411.136	102.557	70.030	N/A	N/A	32.527	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 03:40
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2457.376	111.106	78.598	N/A	N/A	32.508	PK
2			2483.500	67.556	34.975	-6.444	74.000	32.580	PK
3			2483.944	71.207	38.625	-2.793	74.000	32.582	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 03:44
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz (Beam-Forming Mode)	

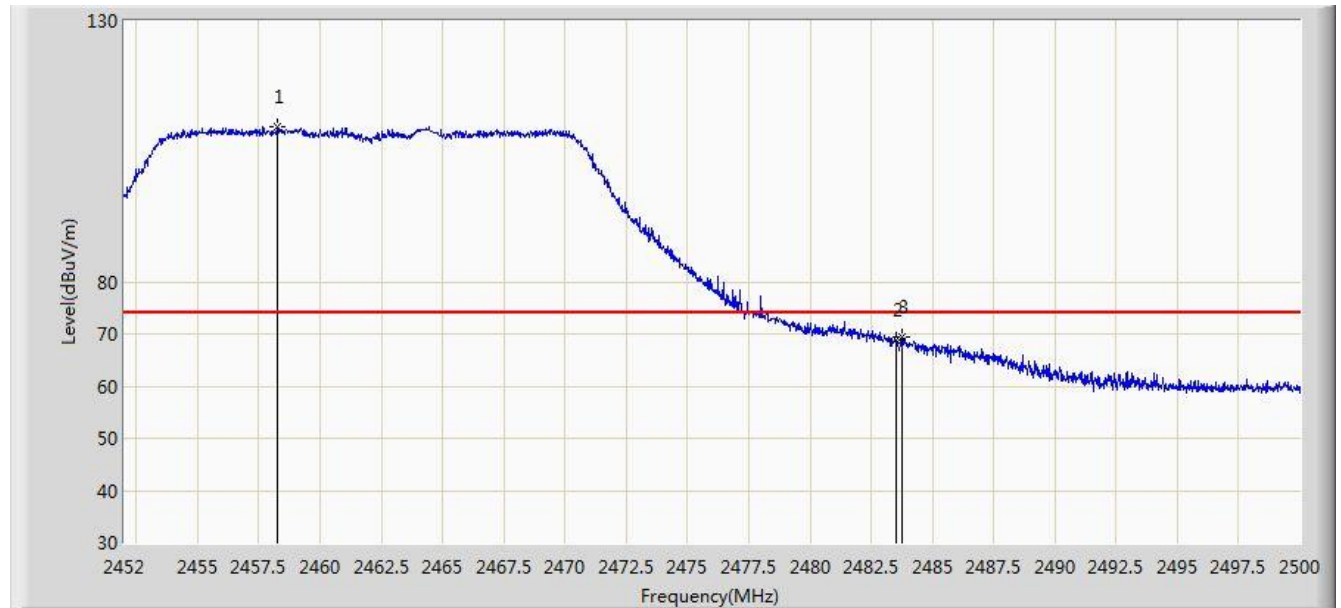


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2459.488	101.614	69.102	N/A	N/A	32.512	AV
2			2483.500	49.497	16.916	-4.503	54.000	32.580	AV
3			2483.776	49.502	16.921	-4.498	54.000	32.582	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 03:45
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2458.264	109.818	77.308	N/A	N/A	32.510	PK
2			2483.500	68.923	36.342	-5.077	74.000	32.580	PK
3			2483.752	69.314	36.733	-4.686	74.000	32.582	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 03:46
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9170_18-40GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT20 at channel 2462MHz (Beam-Forming Mode)	

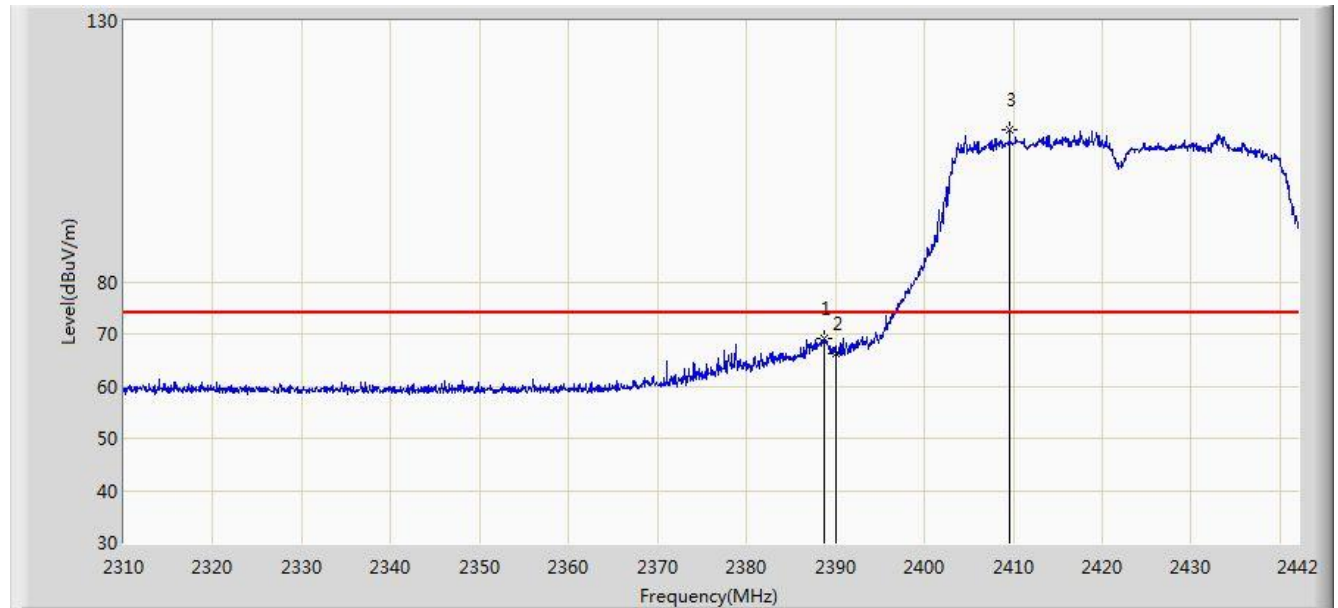


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2461.072	103.765	54.352	N/A	N/A	49.413	AV
2			2483.500	49.194	-0.246	-4.806	54.000	49.440	AV
3			2483.680	49.359	-0.082	-4.641	54.000	49.441	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 03:49
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz (Beam-Forming Mode)	

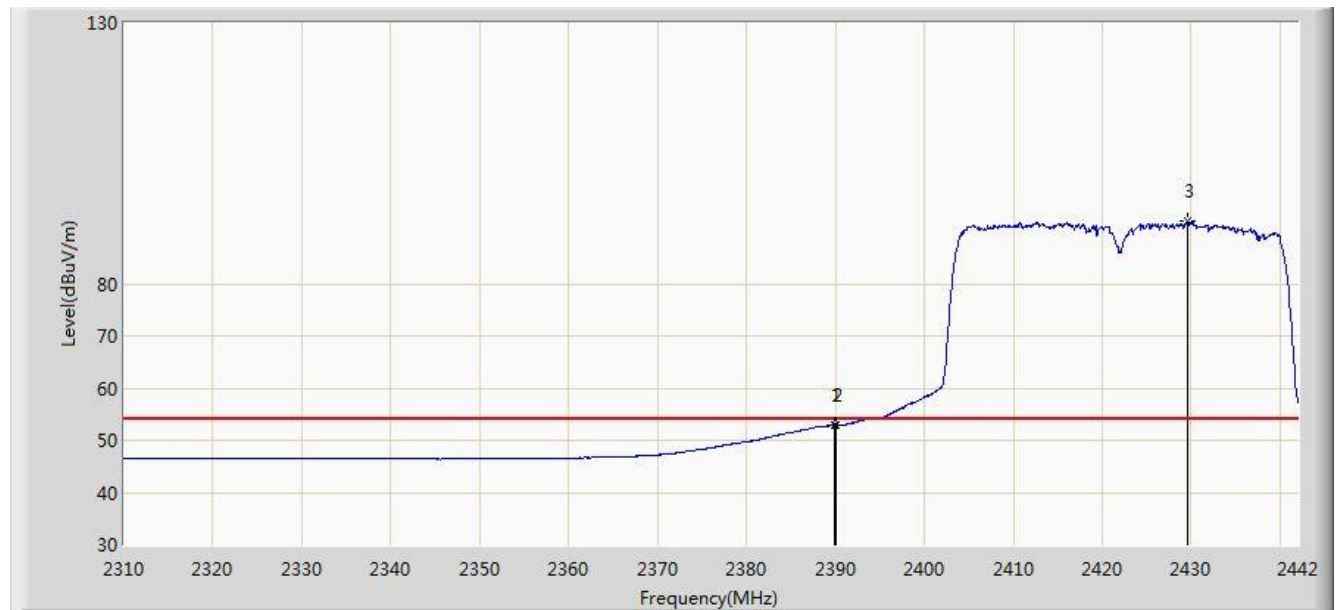


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2388.738	69.012	36.456	-4.988	74.000	32.557	PK
2			2390.000	66.191	33.637	-7.809	74.000	32.554	PK
3		*	2409.594	108.998	76.469	N/A	N/A	32.528	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 04:02
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz (Beam-Forming Mode)	

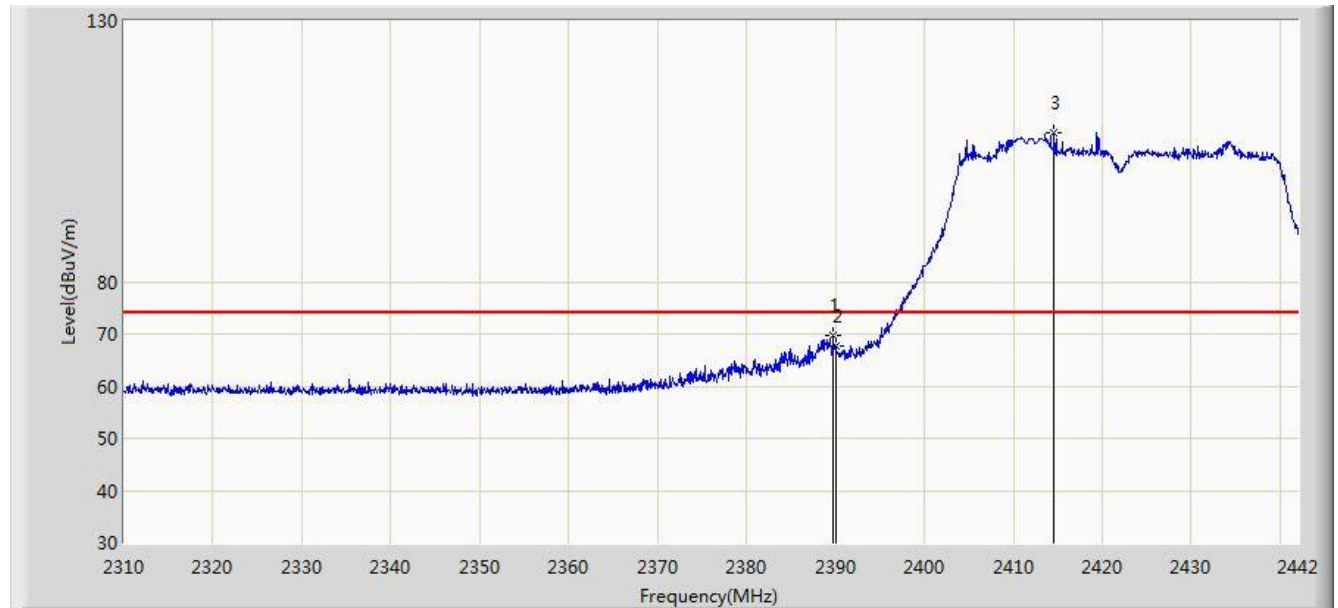


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.860	52.882	20.327	-1.118	54.000	32.555	AV
2			2390.000	52.779	20.225	-1.221	54.000	32.554	AV
3		*	2429.658	92.146	59.641	N/A	N/A	32.505	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 04:05
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz (Beam-Forming Mode)	

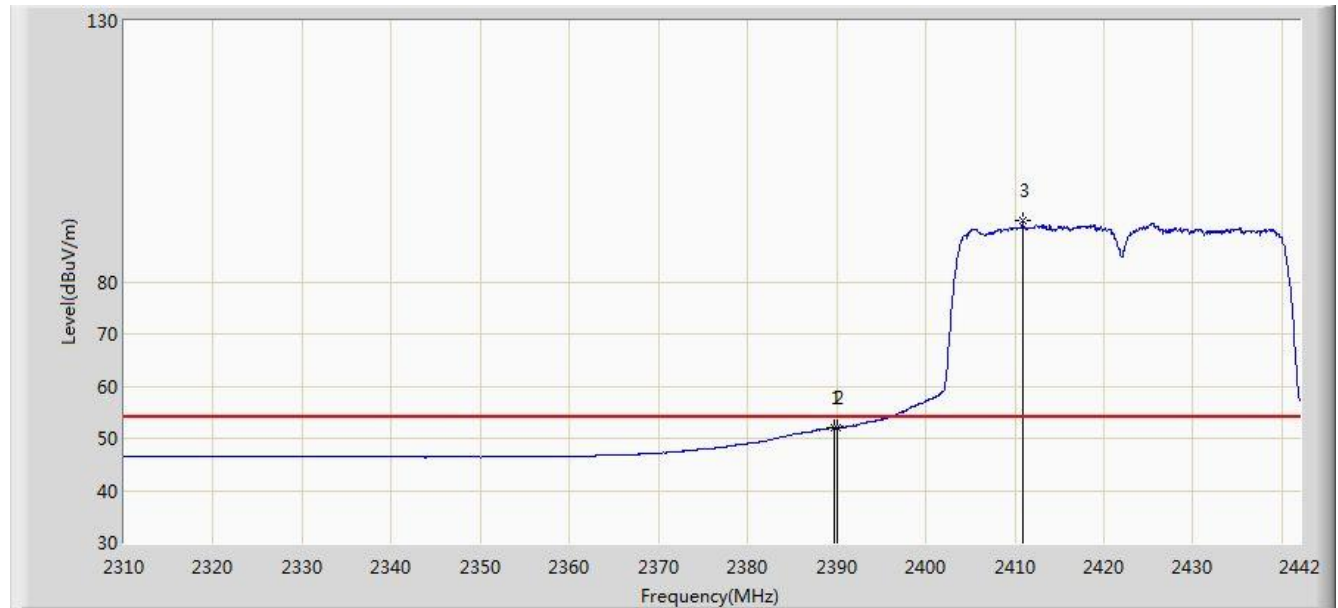


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.728	69.588	37.033	-4.412	74.000	32.555	PK
2			2390.000	67.705	35.151	-6.295	74.000	32.554	PK
3		*	2414.610	108.647	76.125	N/A	N/A	32.522	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 04:07
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2422MHz (Beam-Forming Mode)	

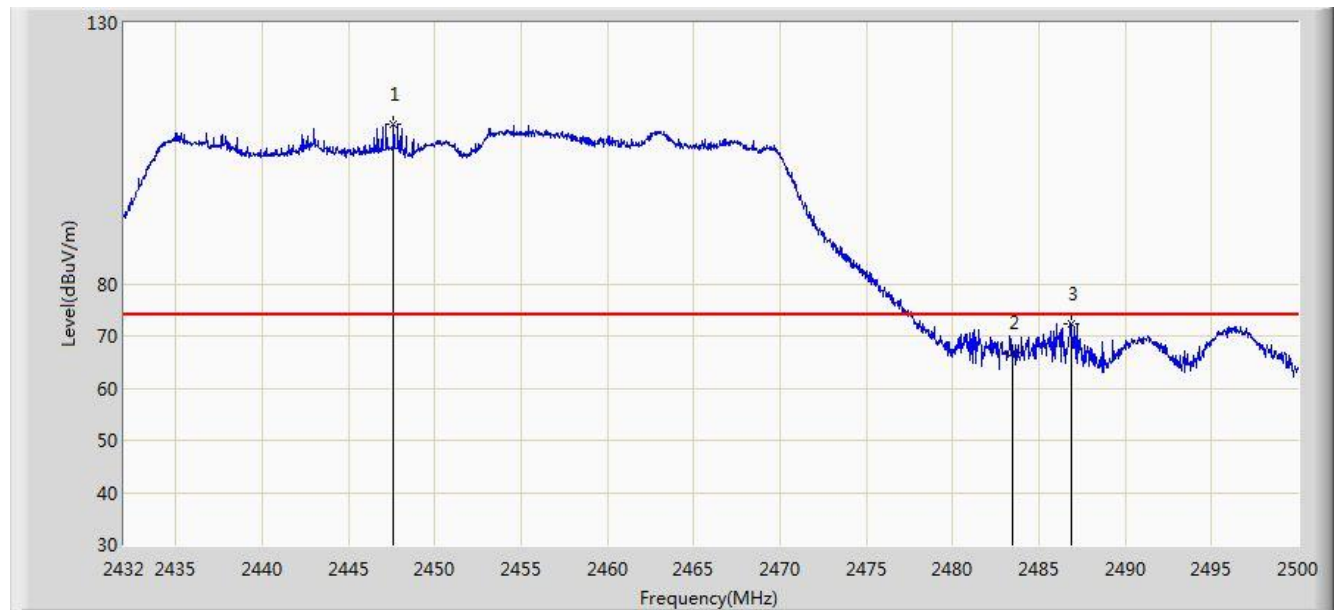


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1			2389.794	52.129	19.574	-1.871	54.000	32.555	AV
2			2390.000	52.057	19.503	-1.943	54.000	32.554	AV
3		*	2410.848	91.601	59.074	N/A	N/A	32.527	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 04:23
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz (Beam-Forming Mode)	

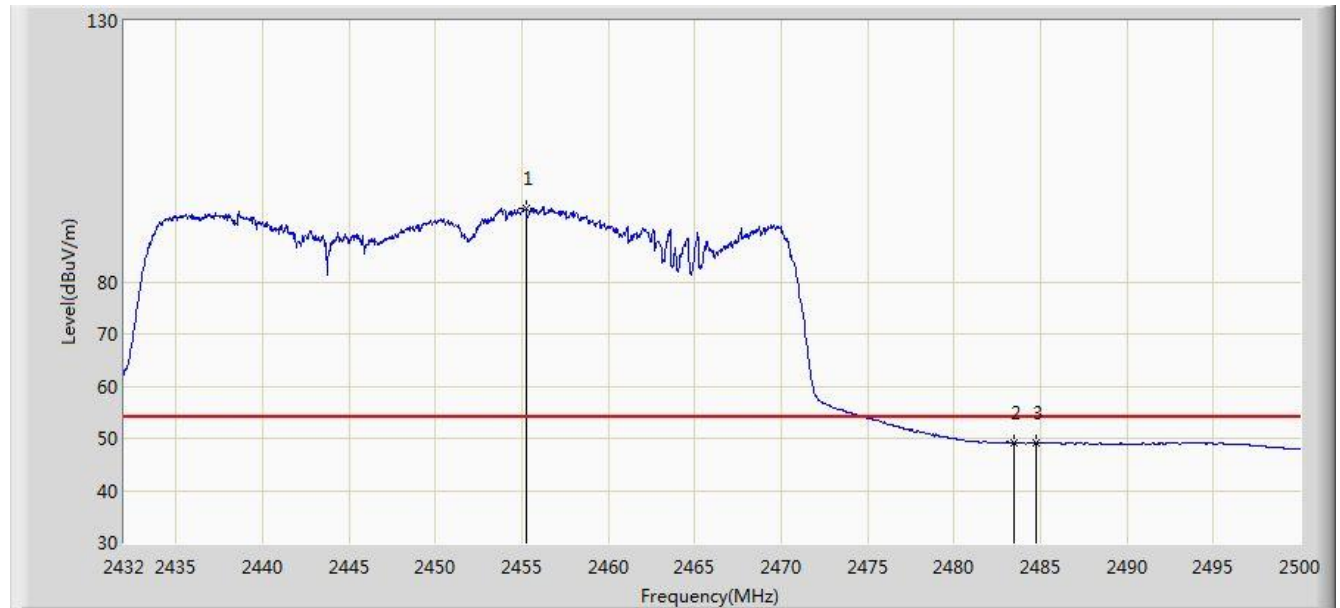


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2447.606	110.605	78.114	N/A	N/A	32.492	PK
2			2483.500	66.669	34.088	-7.331	74.000	32.580	PK
3			2486.910	72.188	39.597	-1.812	74.000	32.590	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 04:26
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz (Beam-Forming Mode)	

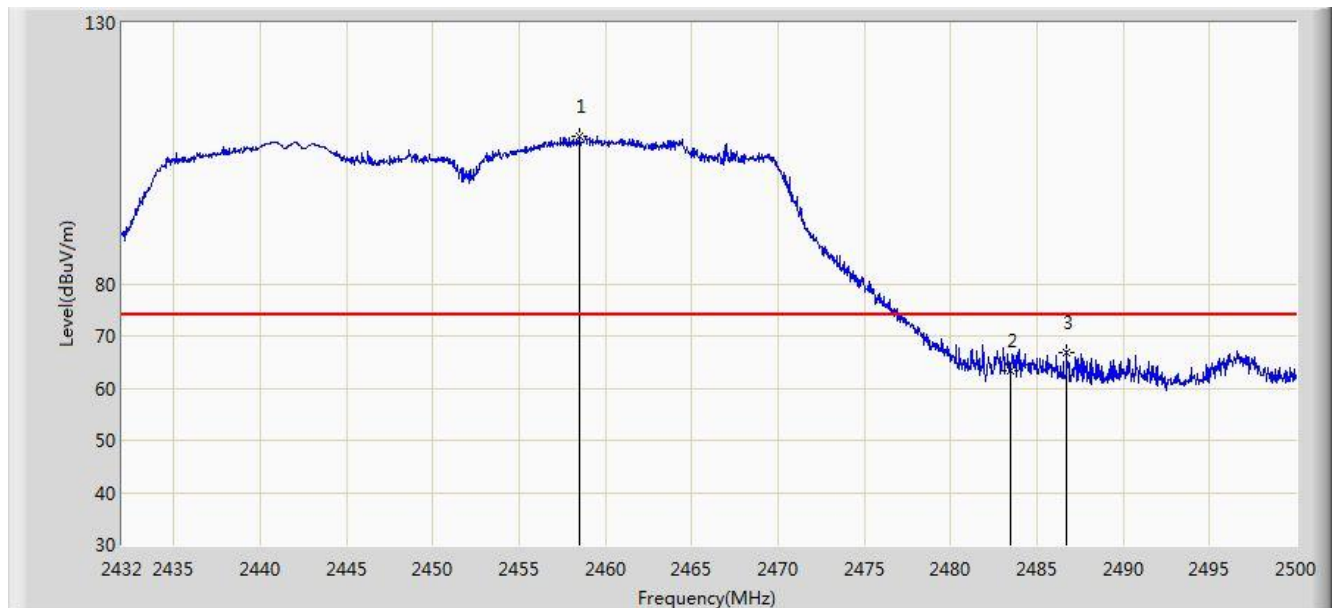


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2455.256	94.165	61.661	N/A	N/A	32.504	AV
2			2483.500	49.102	16.521	-4.898	54.000	32.580	AV
3			2484.768	49.274	16.690	-4.726	54.000	32.585	AV

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 04:27
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz (Beam-Forming Mode)	

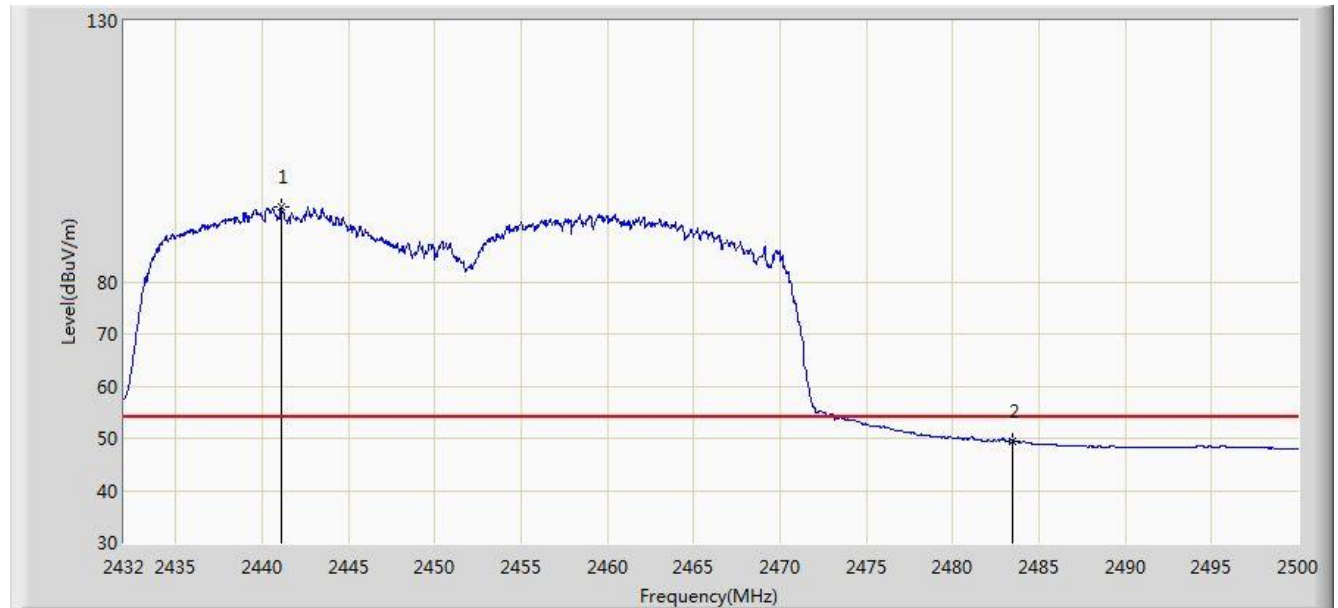


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2458.486	108.183	75.673	N/A	N/A	32.510	PK
2			2483.500	63.242	30.661	-10.758	74.000	32.580	PK
3			2486.706	66.951	34.361	-7.049	74.000	32.590	PK

Note: Measure Level (dBuV/m) = Reading Level (dBuV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

Site: AC1	Time: 2018/11/23 - 04:29
Limit: NCC_LP0002_RE(3m)	Engineer: Kevin Ker
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: OmniAccess Stellar	Power: AC 110V/60Hz
Test Mode: Transmit by 802.11n-HT40 at channel 2452MHz (Beam-Forming Mode)	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor	Type
1		*	2441.078	94.260	61.769	N/A	N/A	32.491	AV
2			2483.500	49.485	16.904	-4.515	54.000	32.580	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m).

5.7. 佔用頻道寬度

5.7.1. 適用標準

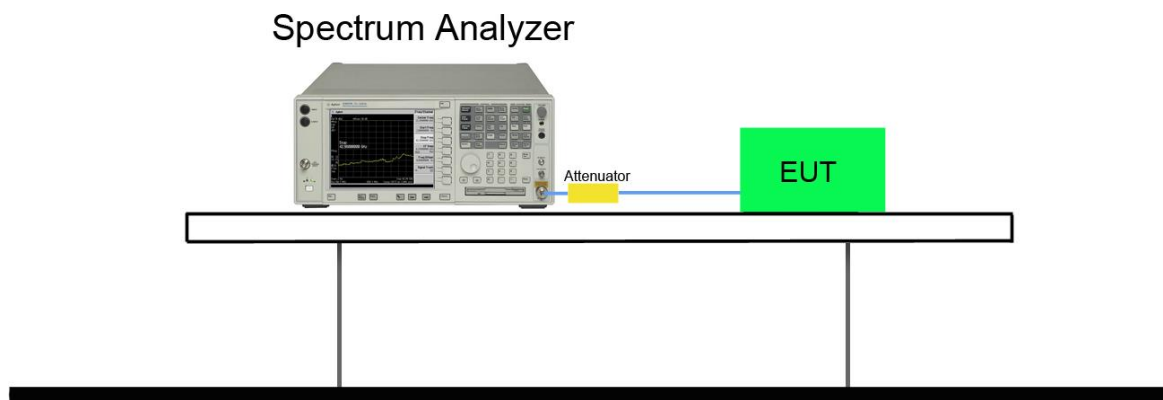
依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.6(2)(A)節之要求，6dB 頻寬至少應有 500kHz。

5.7.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端，設定頻譜分析儀之解析度頻寬為 100kHz，視訊頻寬不小於解析度頻寬，頻率掃瞄範圍(SPAN)遠大於解析度頻寬。

待測物應在正常發射狀態下量測。

5.7.3. 測試架構圖



5.7.4. 佔用頻帶寬度測試結果

待測物名稱	OmniAccess Stellar	溫度	24°C
測試工程師	Kevin Ker	濕度	58%
測試場地	SR1	測試日期	2018/11/16

Test Mode	Data Rate/ MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0						
802.11b	1Mbps	01	2412	8.10	≥ 0.5	Pass
802.11b	1Mbps	06	2437	8.10	≥ 0.5	Pass
802.11b	1Mbps	11	2462	8.10	≥ 0.5	Pass
Ant 0 / Ant 0 + 1						
802.11g	6Mbps	01	2412	16.38	≥ 0.5	Pass
802.11g	6Mbps	06	2437	16.37	≥ 0.5	Pass
802.11g	6Mbps	11	2462	16.35	≥ 0.5	Pass
802.11n-HT20	MCS0	01	2412	17.58	≥ 0.5	Pass
802.11n-HT20	MCS0	06	2437	17.57	≥ 0.5	Pass
802.11n-HT20	MCS0	11	2462	17.19	≥ 0.5	Pass
802.11n-HT40	MCS0	03	2422	35.12	≥ 0.5	Pass
802.11n-HT40	MCS0	06	2437	35.26	≥ 0.5	Pass
802.11n-HT40	MCS0	09	2452	35.19	≥ 0.5	Pass

802.11b 6dB Bandwidth - Ant 0

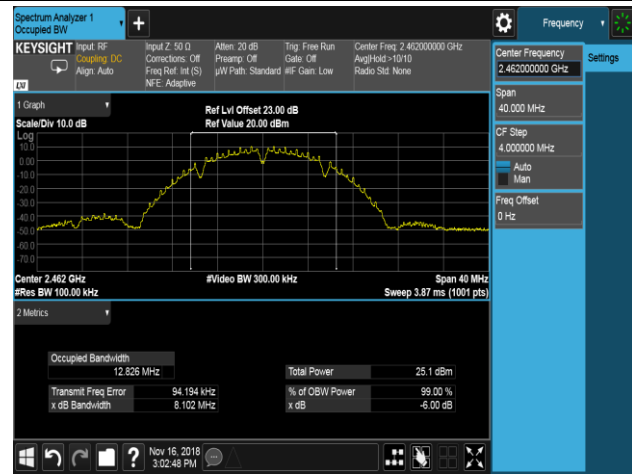
Channel 01 (2412MHz)



Channel 06 (2437MHz)

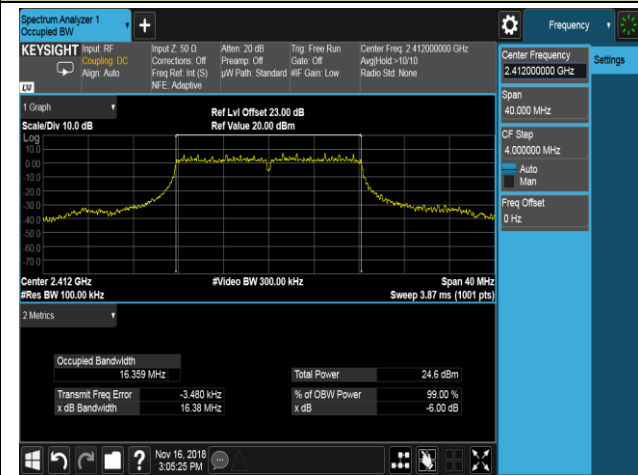


Channel 11 (2462MHz)

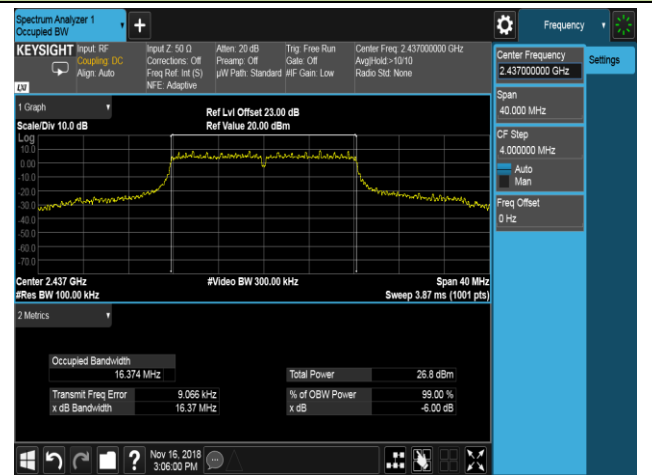


802.11g 6dB Bandwidth - Ant 0 / Ant 0 + 1

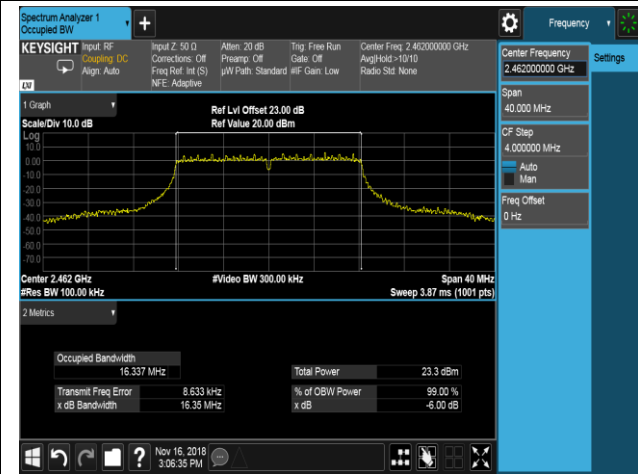
Channel 01 (2412MHz)



Channel 06 (2437MHz)

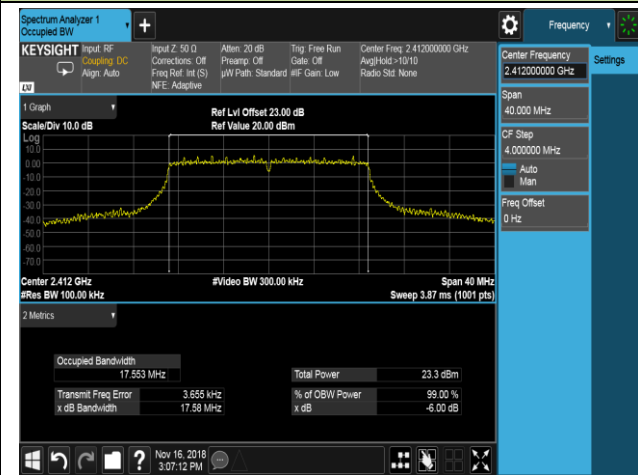


Channel 11 (2462MHz)

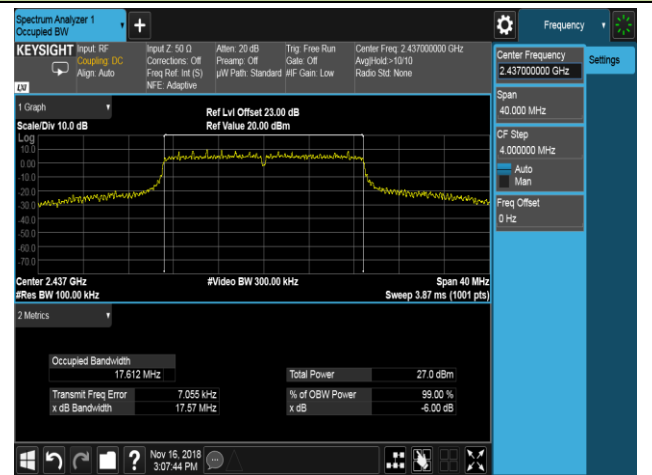


802.11n-HT20 6dB Bandwidth - Ant 0 / Ant 0 + 1

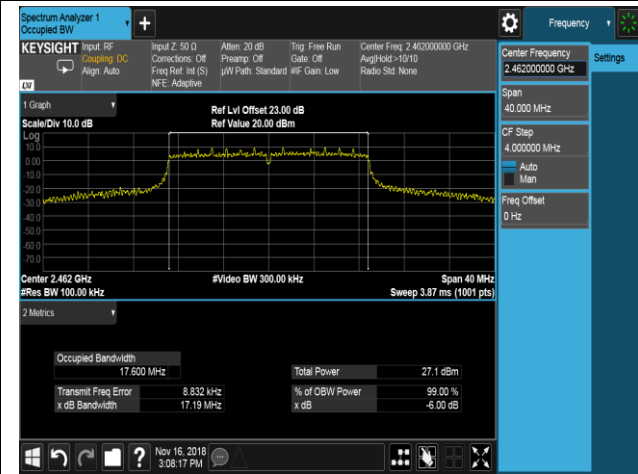
Channel 01 (2412MHz)



Channel 06 (2437MHz)

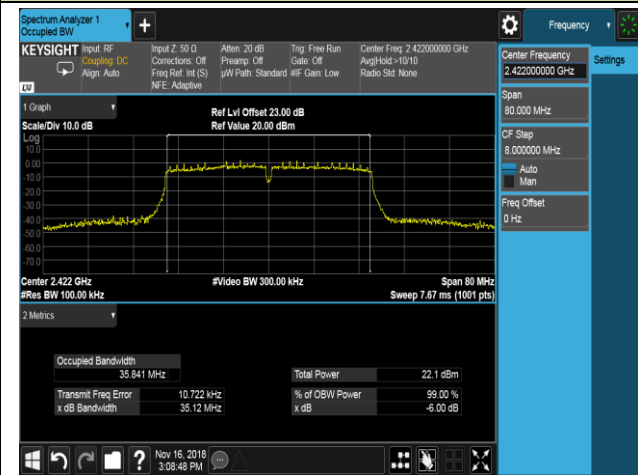


Channel 11 (2462MHz)

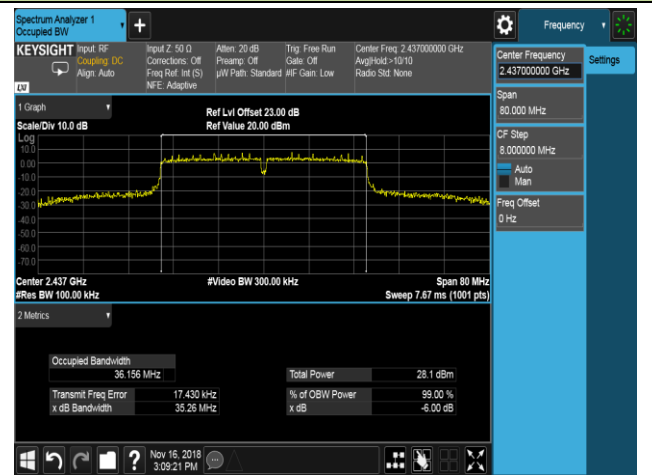


802.11n-HT40 6dB Bandwidth - Ant 0 / Ant 0 + 1

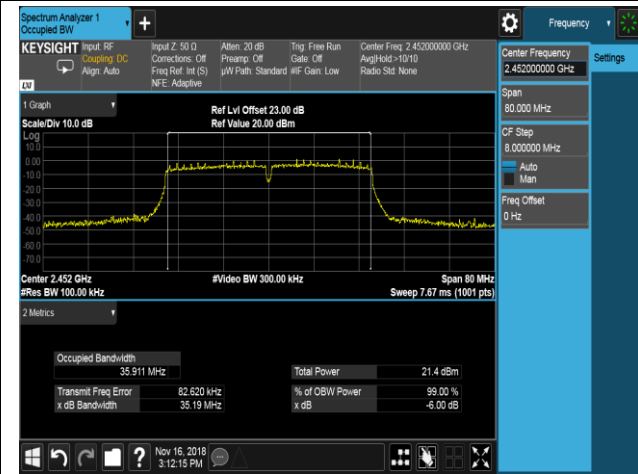
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



5.8. 發射電功率密度

5.8.1. 適用標準

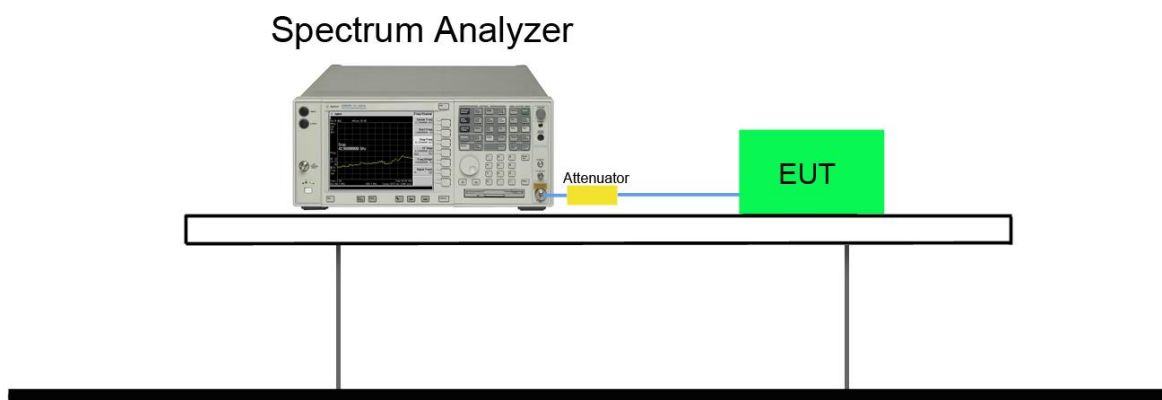
依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.6(2)(B)節，在使用頻率範圍之任意 3 千赫(kHz)頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8dBm。

5.8.2. 量測方法

待測物之天線埠經由適當之衰減直接連至頻譜分析儀 RF 輸入端。找出發射峰值並擴展於通帶內，設定頻譜分析儀之解析度頻寬為 3kHz，視訊頻寬大於解析度頻寬，掃瞄時間為頻率掃瞄範圍除以 3kHz。
(SWEEP TIME = SPAN/3kHz)。

待測物應在正常發射狀態下量測。

5.8.3. 測試架構圖



5.8.4. 功率密度量測結果

待測物名稱	OmniAccess Stellar	溫度	24°C
測試工程師	Kevin Ker	濕度	58%
測試場地	SR1	測試日期	2018/11/18

Test Mode	Data Rate/MCS	Channel No.	Freq. (MHz)	Ant 0 AVGPDS (dBm / 10kHz)	Ant 1 AVGPDS (dBm / 10kHz)	Duty Cycle (%)	Constant Factor	Total AVGPDS (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
Ant 0 / Ant 1 (SISO Mode)										
11b	1Mbps	01	2412	-9.32	-8.46	99.36	-5.23	-13.69	≤ 8.00	Pass
11b	1Mbps	06	2437	-9.54	-9.19	99.36	-5.23	-14.42	≤ 8.00	Pass
11b	1Mbps	11	2462	-9.44	-9.25	99.36	-5.23	-14.48	≤ 8.00	Pass
Ant 0 + 1 (CDD Mode)										
11g	6Mbps	01	2412	-13.49	-12.51	95.32	-5.23	-14.98	≤ 8.00	Pass
11g	6Mbps	06	2437	-11.54	-11.23	95.32	-5.23	-13.39	≤ 8.00	Pass
11g	6Mbps	11	2462	-15.27	-14.31	95.32	-5.23	-16.77	≤ 8.00	Pass
11n-HT20	MCS0	01	2412	-14.22	-13.71	97.65	-5.23	-16.18	≤ 8.00	Pass
11n-HT20	MCS0	06	2437	-10.72	-10.00	97.65	-5.23	-12.56	≤ 8.00	Pass
11n-HT20	MCS0	11	2462	-14.47	-13.28	97.65	-5.23	-16.05	≤ 8.00	Pass
11n-HT40	MCS0	03	2422	-19.13	-18.63	95.74	-5.23	-20.90	≤ 8.00	Pass
11n-HT40	MCS0	06	2437	-13.52	-13.43	95.74	-5.23	-15.50	≤ 8.00	Pass
11n-HT40	MCS0	09	2452	-19.85	-19.12	95.74	-5.23	-21.50	≤ 8.00	Pass
Ant 0 + 1 (Beam-Forming Mode)										
11n-HT20	MCS0	01	2412	-13.58	-12.86	97.65	-5.23	-15.42	≤ 8.00	Pass
11n-HT20	MCS0	06	2437	-11.25	-10.78	97.65	-5.23	-13.23	≤ 8.00	Pass
11n-HT20	MCS0	11	2462	-11.79	-11.78	97.65	-5.23	-14.00	≤ 8.00	Pass
11n-HT40	MCS0	03	2422	-13.75	-14.51	95.74	-5.23	-16.14	≤ 8.00	Pass
11n-HT40	MCS0	06	2437	-12.80	-12.79	95.74	-5.23	-14.82	≤ 8.00	Pass
11n-HT40	MCS0	09	2452	-13.02	-12.92	95.74	-5.23	-15.00	≤ 8.00	Pass

Note 1: When EUT duty cycle ≥ 98%, Total AVGPDS = $10 \cdot \log \{10^{(\text{Ant 0 AVGPDS}/10)} + 10^{(\text{Ant 1 AVGPDS}/10)}\} + \text{Constant Factor}$.

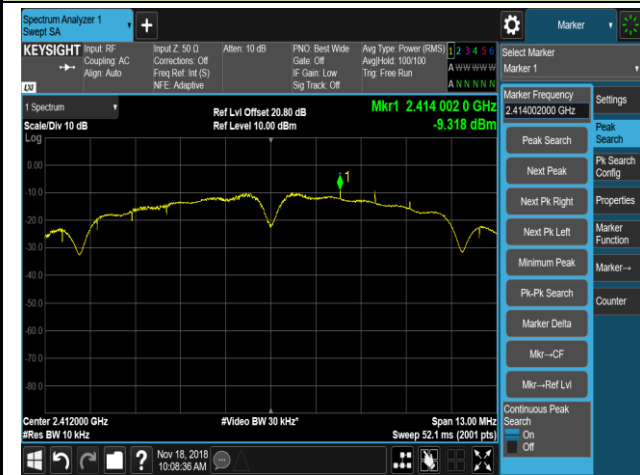
Note 2: When EUT duty cycle < 98%, Total AVGPDS = $10 \cdot \log \{10^{(\text{Ant 0 AVGPDS}/10)} + 10^{(\text{Ant 1 AVGPDS}/10)}\} + 10 \cdot \log (1/\text{duty cycle}) + \text{Constant Factor}$.

Note 3: For 11b, Total AVGPDS (dBm / 3kHz) = Max { Ant 0 AVGPDS (dBm / 10kHz) : Ant 1 AVGPDS

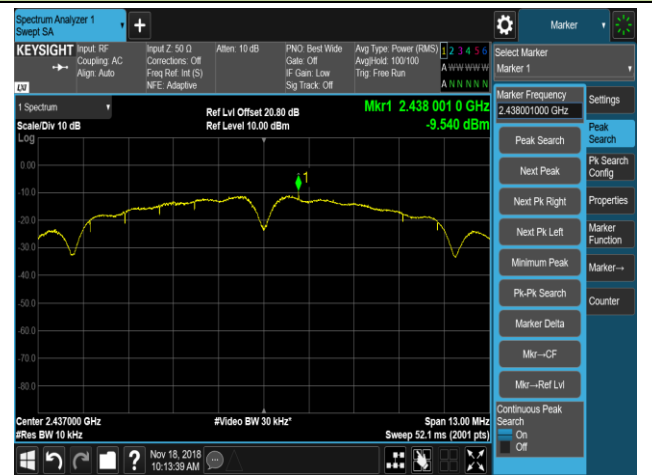
(dBm / 10kHz)} + Constant Factor.

802.11b AV PSD - Ant 0 (SISO Mode)

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

