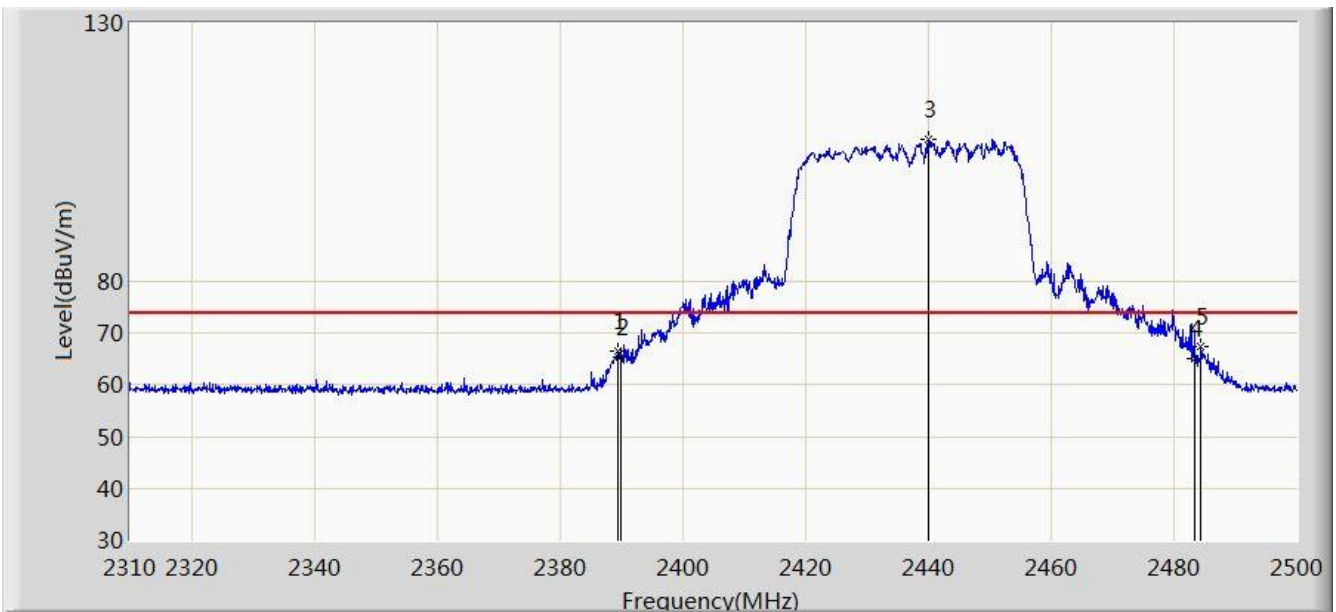


Site: AC1	Time: 2018/06/21 - 22:16
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2437MHz Ant 0 + 1	

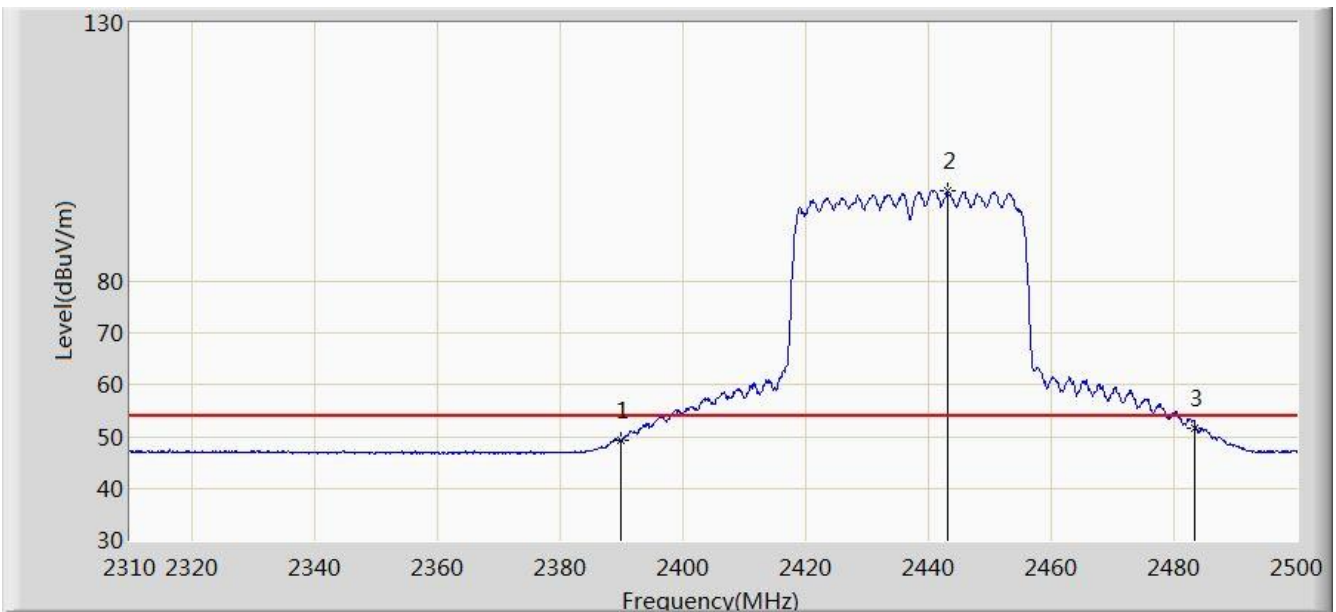


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.515	66.432	33.877	-7.568	74.000	32.556	PK
2			2390.000	65.506	32.952	-8.494	74.000	32.554	PK
3		*	2439.960	107.380	74.888	N/A	N/A	32.492	PK
4			2483.500	65.068	32.487	-8.932	74.000	32.580	PK
5			2484.325	67.565	34.982	-6.435	74.000	32.583	PK

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

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

Site: AC1	Time: 2018/06/21 - 22:18
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2437MHz Ant 0 + 1	

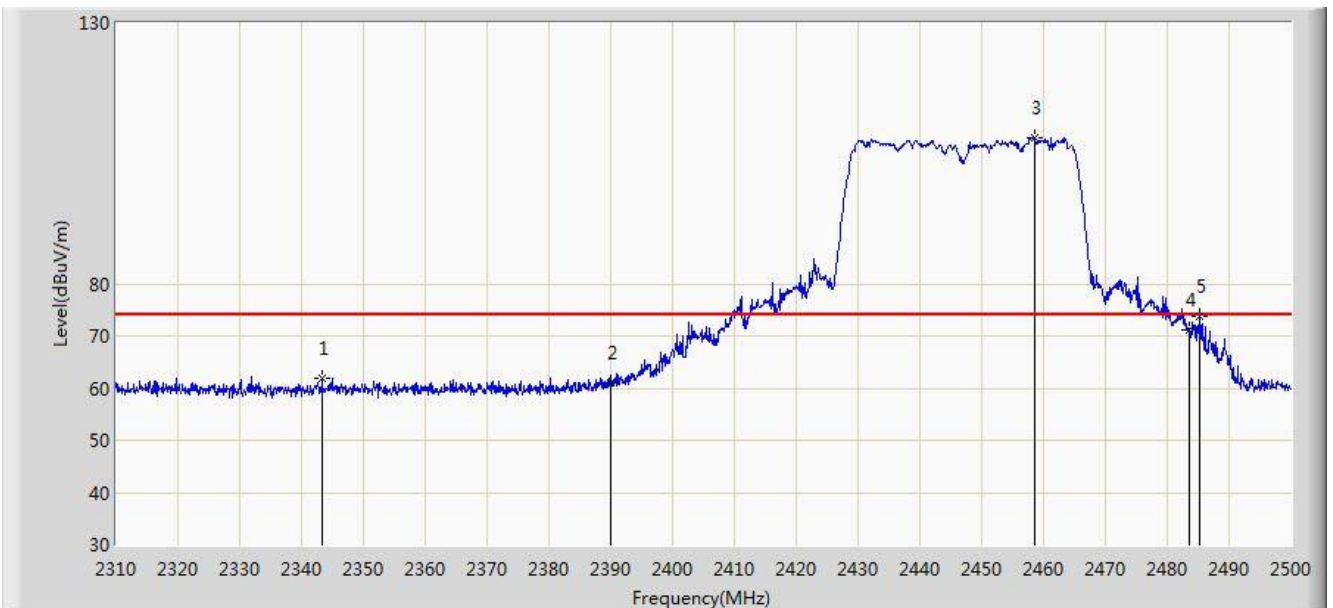


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	49.231	16.677	-4.769	54.000	32.554	AV
2		*	2443.190	97.580	65.092	N/A	N/A	32.488	AV
3			2483.500	51.734	19.153	-2.266	54.000	32.580	AV

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

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

Site: AC1	Time: 2018/07/27 - 05:06
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2447MHz Ant 0 + 1	

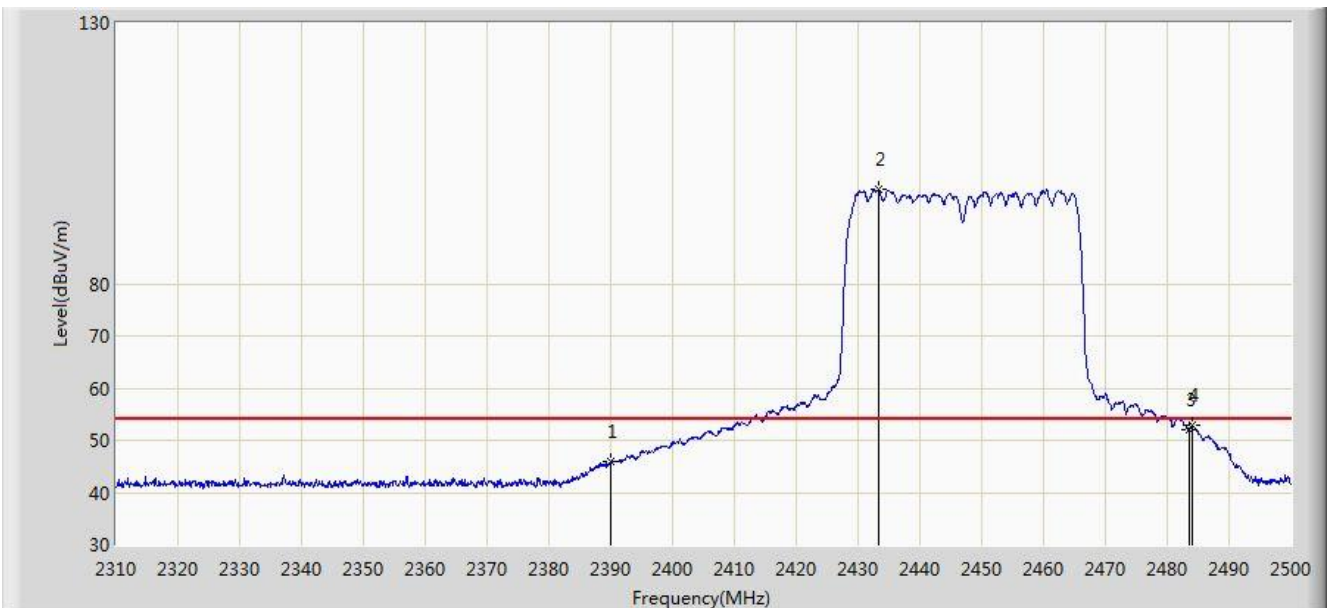


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2343.345	62.005	29.366	-11.995	74.000	32.639	PK
2			2390.000	60.879	28.325	-13.121	74.000	32.554	PK
3		*	2458.580	107.847	75.337	33.847	74.000	32.510	PK
4			2483.500	71.061	38.480	-2.939	74.000	32.580	PK
5			2485.180	73.718	41.132	-0.282	74.000	32.585	PK

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

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

Site: AC1	Time: 2018/07/27 - 05:09
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2447MHz Ant 0 + 1	

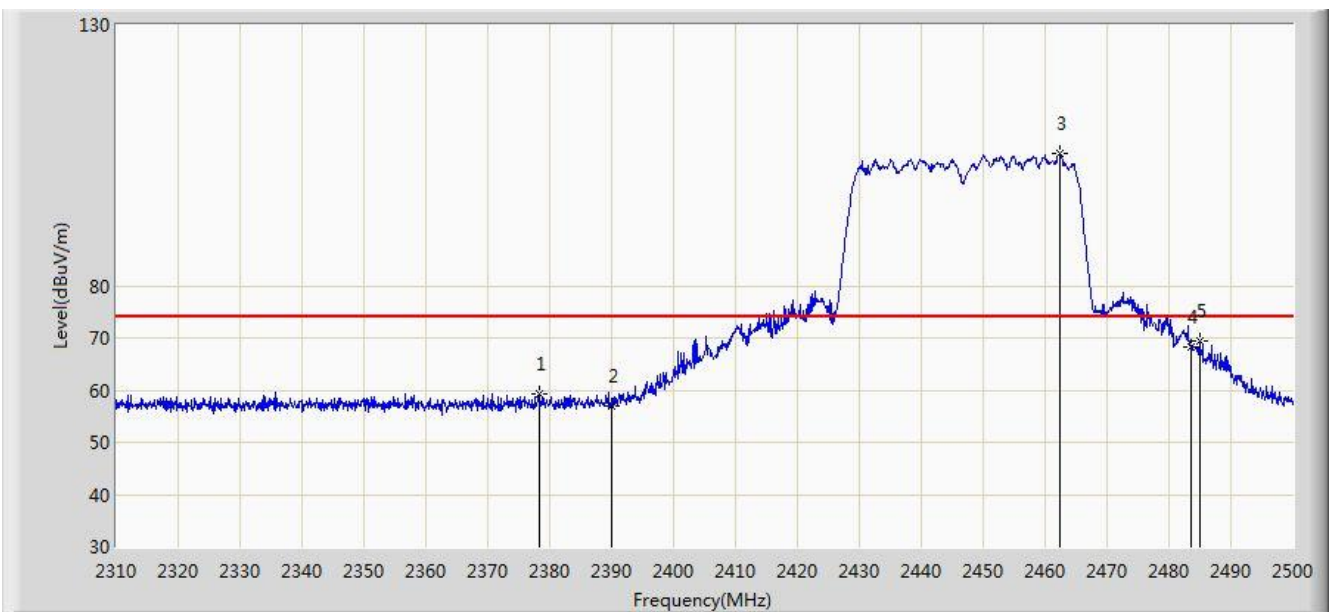


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	45.860	13.306	-8.140	54.000	32.554	AV
2		*	2433.215	98.174	65.674	44.174	54.000	32.500	AV
3			2483.500	52.026	19.445	-1.974	54.000	32.580	AV
4			2483.945	52.773	20.191	-1.227	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: 2018/07/27 - 05:12
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2447MHz Ant 0 + 1	

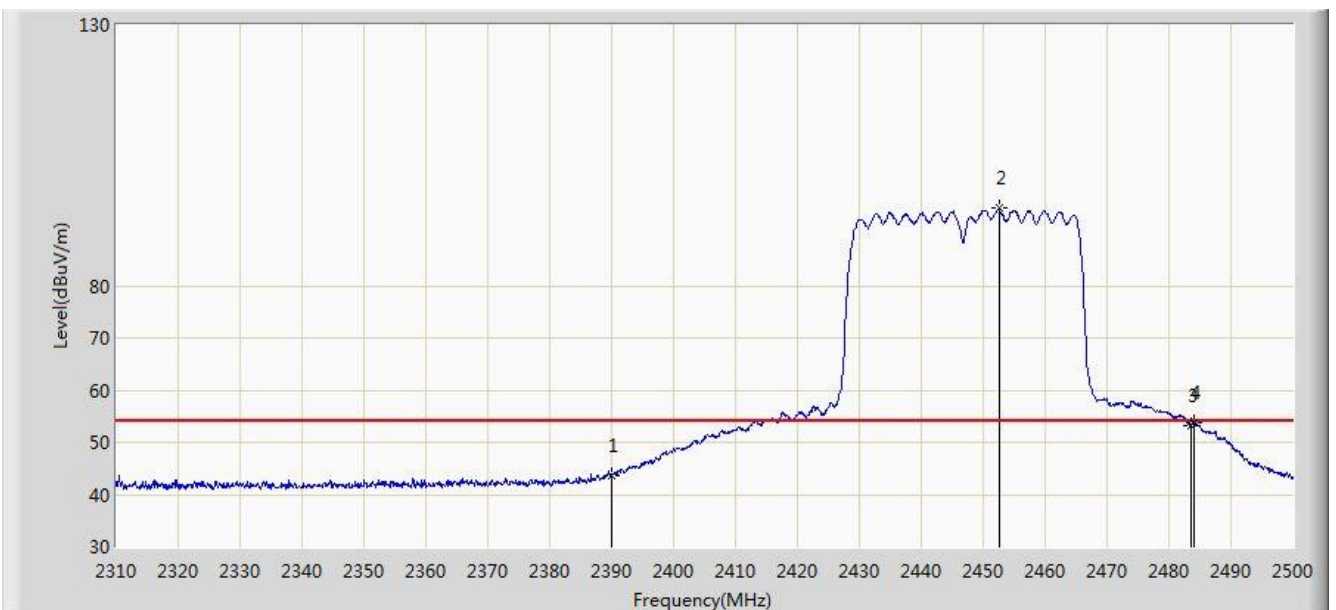


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2378.305	59.270	26.700	-14.730	74.000	32.571	PK
2			2390.000	56.915	24.361	-17.085	74.000	32.554	PK
3		*	2462.380	105.339	72.822	31.339	74.000	32.518	PK
4			2483.500	68.321	35.740	-5.679	74.000	32.580	PK
5			2484.895	69.359	36.774	-4.641	74.000	32.585	PK

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

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

Site: AC1	Time: 2018/07/27 - 05:14
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2447MHz Ant 0 + 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	43.482	10.928	-10.518	54.000	32.554	AV
2		*	2452.500	94.805	62.305	40.805	54.000	32.499	AV
3			2483.500	53.267	20.686	-0.733	54.000	32.580	AV
4			2484.135	53.878	21.295	-0.122	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: 2018/06/21 - 07:28
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

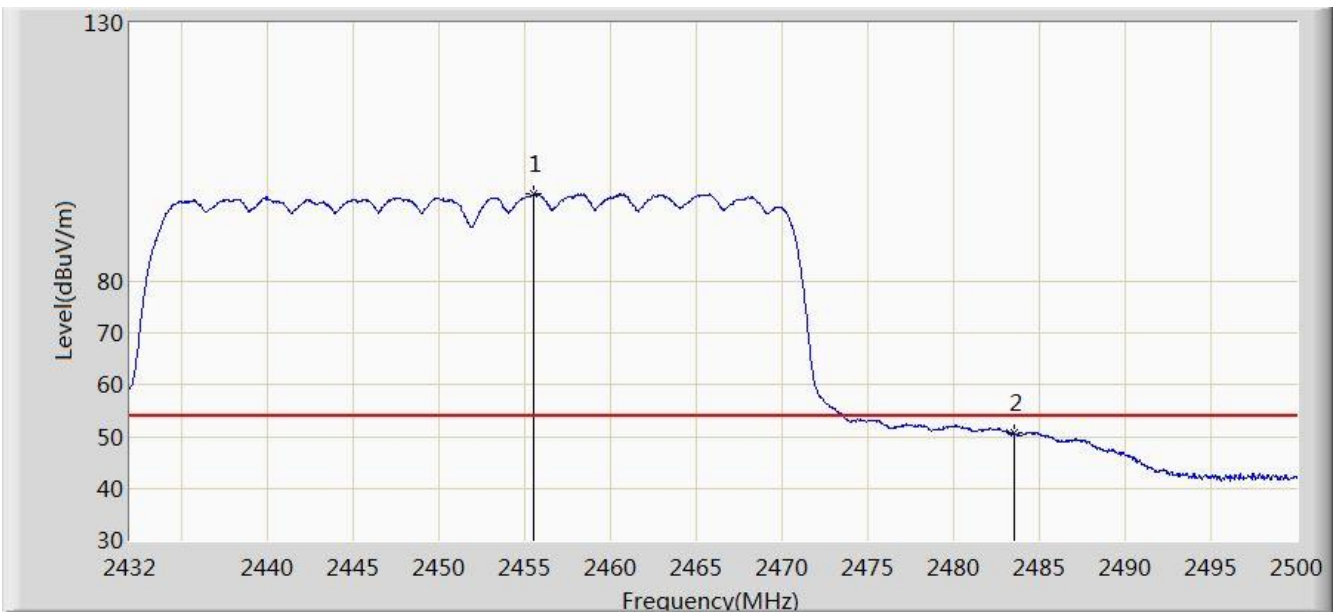


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2444.444	107.037	74.550	N/A	N/A	32.487	PK
2			2483.500	70.623	38.042	-3.377	74.000	32.580	PK
3			2484.734	72.540	39.956	-1.460	74.000	32.584	PK

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

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

Site: AC1	Time: 2018/06/21 - 07:31
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2455.528	96.928	64.423	N/A	N/A	32.505	AV
2			2483.500	50.744	18.163	-3.256	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: 2018/06/21 - 07:33
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

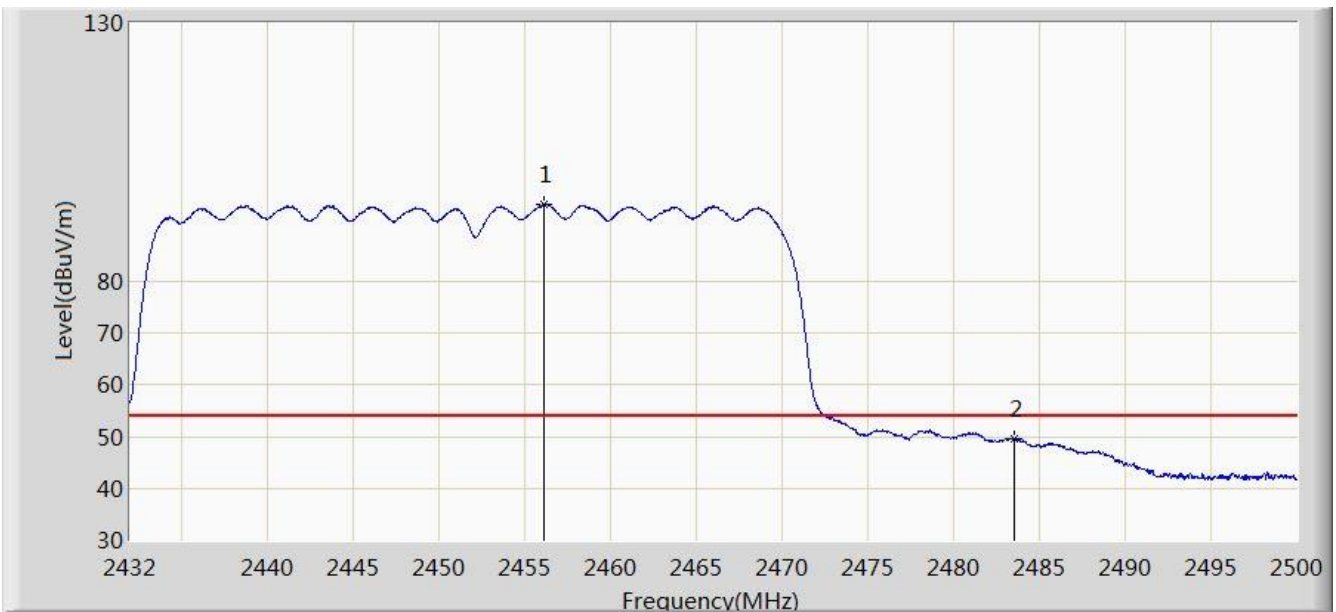


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2458.860	105.275	72.764	N/A	N/A	32.511	PK
2			2483.500	67.256	34.675	-6.744	74.000	32.580	PK
3			2488.644	69.785	37.189	-4.215	74.000	32.596	PK

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

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

Site: AC1	Time: 2018/06/21 - 07:35
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11n-HT40 at Channel 2452MHz Ant 0 + 1	

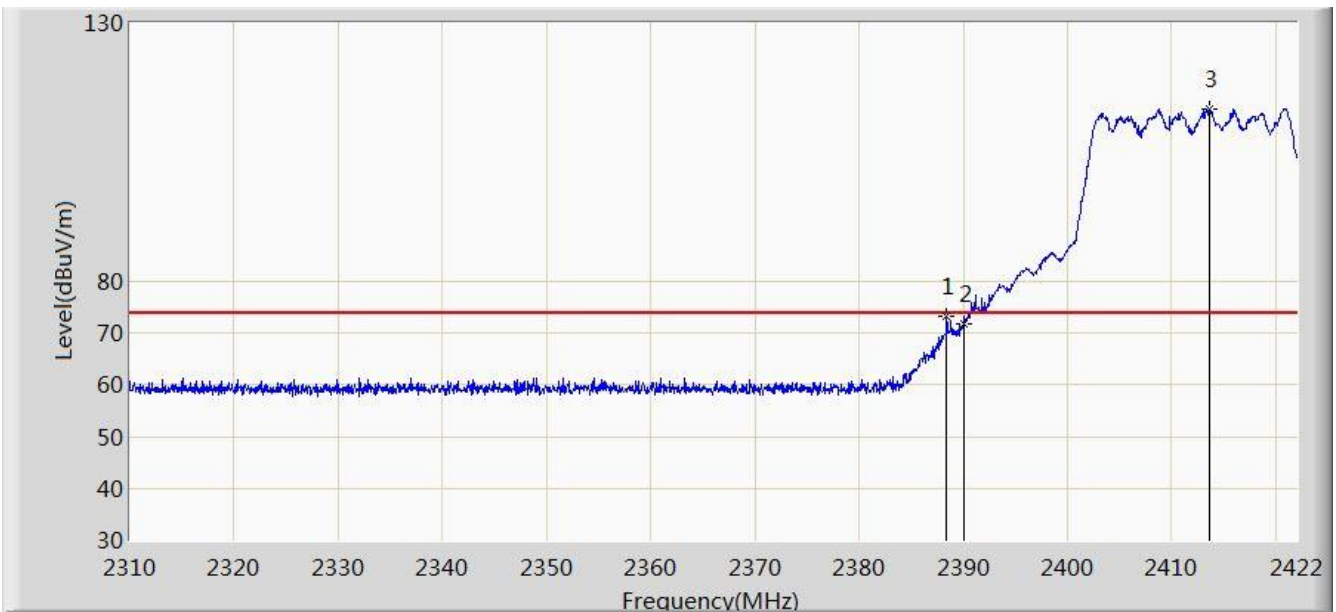


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2456.106	94.921	62.415	N/A	N/A	32.506	AV
2			2483.500	49.683	17.102	-4.317	54.000	32.580	AV

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

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

Site: AC1	Time: 2018/06/22 - 22:56
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE20 at Channel 2412MHz Ant 0 + 1	

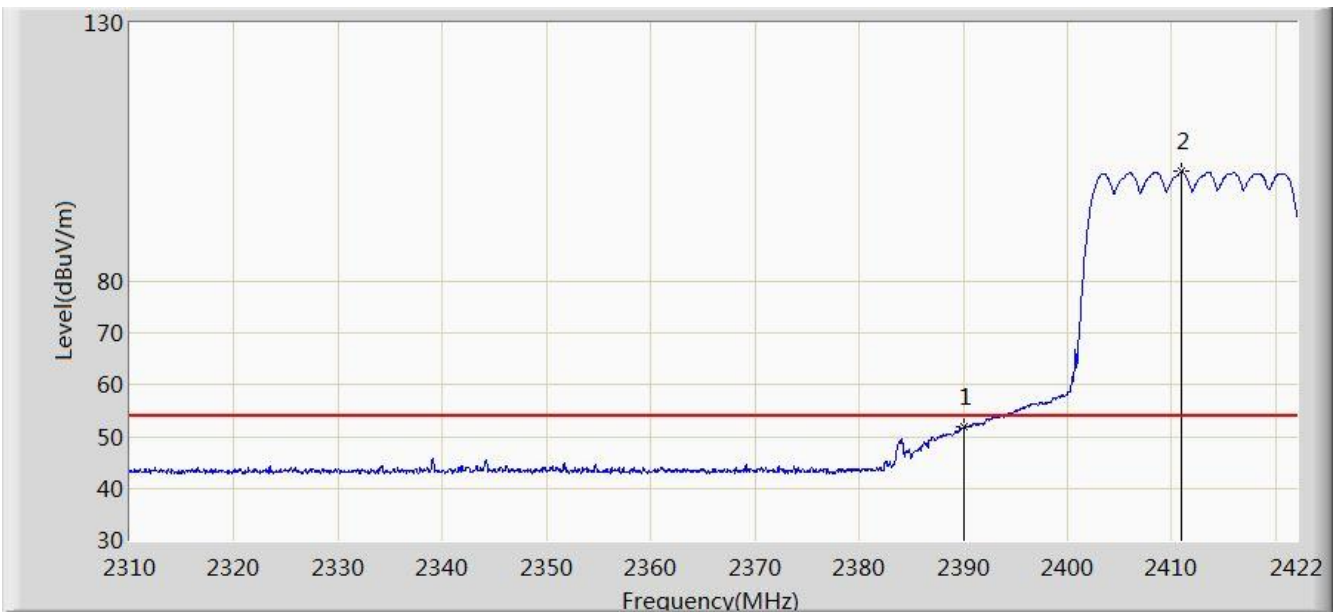


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.400	73.231	40.674	-0.769	74.000	32.556	PK
2			2390.000	71.801	39.247	-2.199	74.000	32.554	PK
3		*	2413.656	113.308	80.784	N/A	N/A	32.524	PK

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

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

Site: AC1	Time: 2018/06/22 - 22:58
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE20 at Channel 2412MHz Ant 0 + 1	

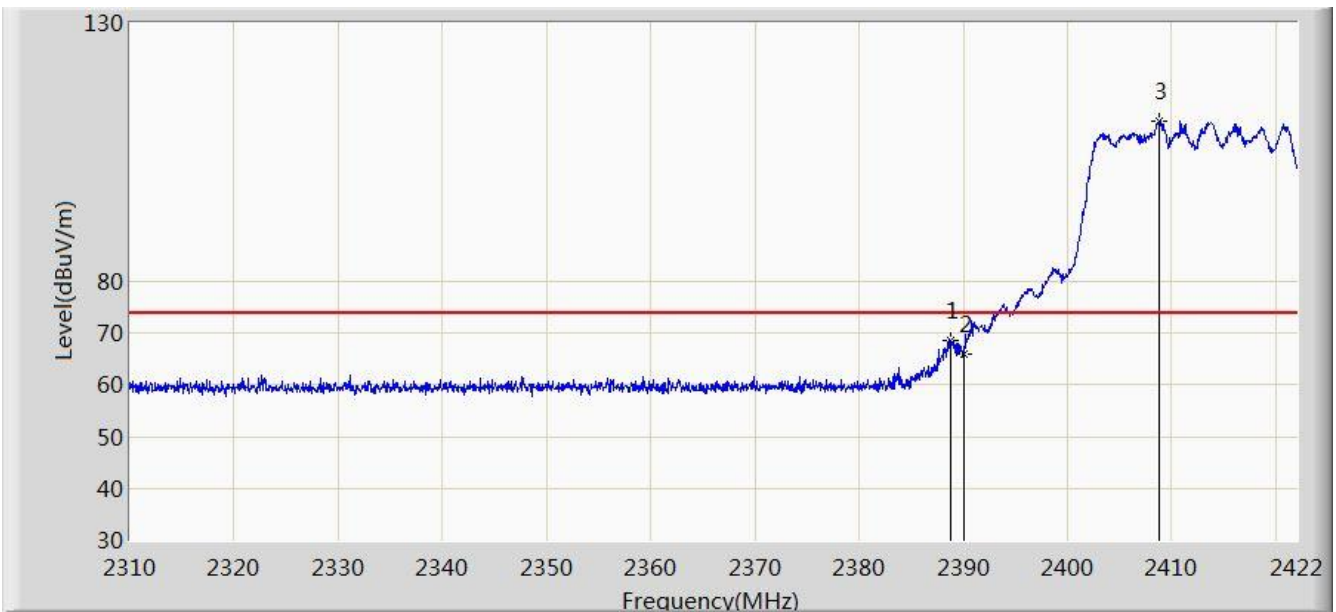


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	51.819	19.265	-2.181	54.000	32.554	AV
2		*	2410.968	101.223	68.696	N/A	N/A	32.527	AV

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

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

Site: AC1	Time: 2018/06/22 - 23:05
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE20 at Channel 2412MHz Ant 0 + 1	

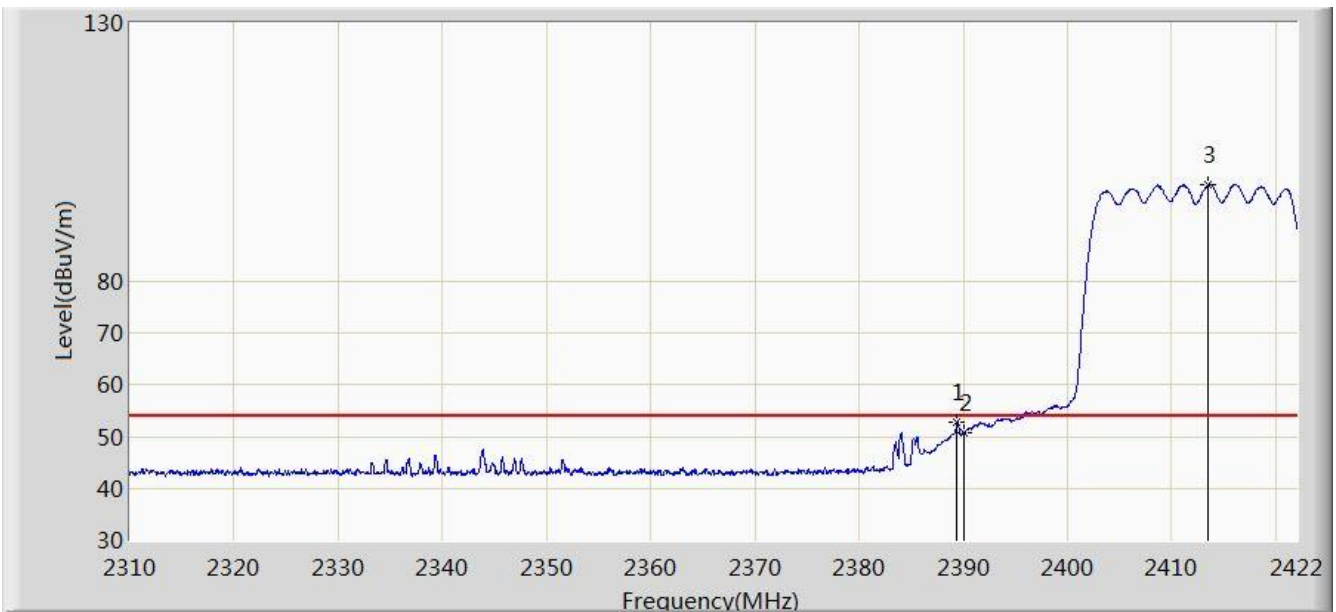


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.792	68.725	36.169	-5.275	74.000	32.556	PK
2			2390.000	66.085	33.531	-7.915	74.000	32.554	PK
3		*	2408.840	111.070	78.540	N/A	N/A	32.529	PK

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

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

Site: AC1	Time: 2018/06/22 - 23:07
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE20 at Channel 2412MHz Ant 0 + 1	

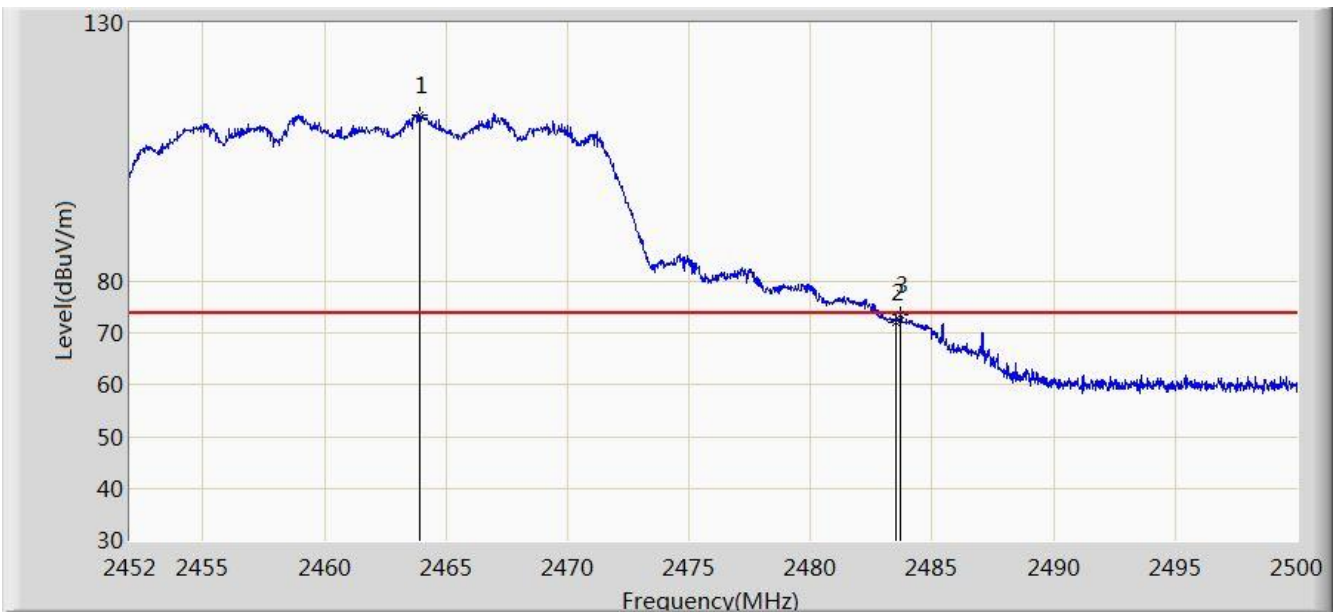


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2389.408	52.699	20.144	-1.301	54.000	32.555	AV
2			2390.000	50.718	18.164	-3.282	54.000	32.554	AV
3		*	2413.544	98.758	66.234	N/A	N/A	32.524	AV

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

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

Site: AC1	Time: 2018/06/22 - 23:16
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE20 at Channel 2462MHz Ant 0 + 1	

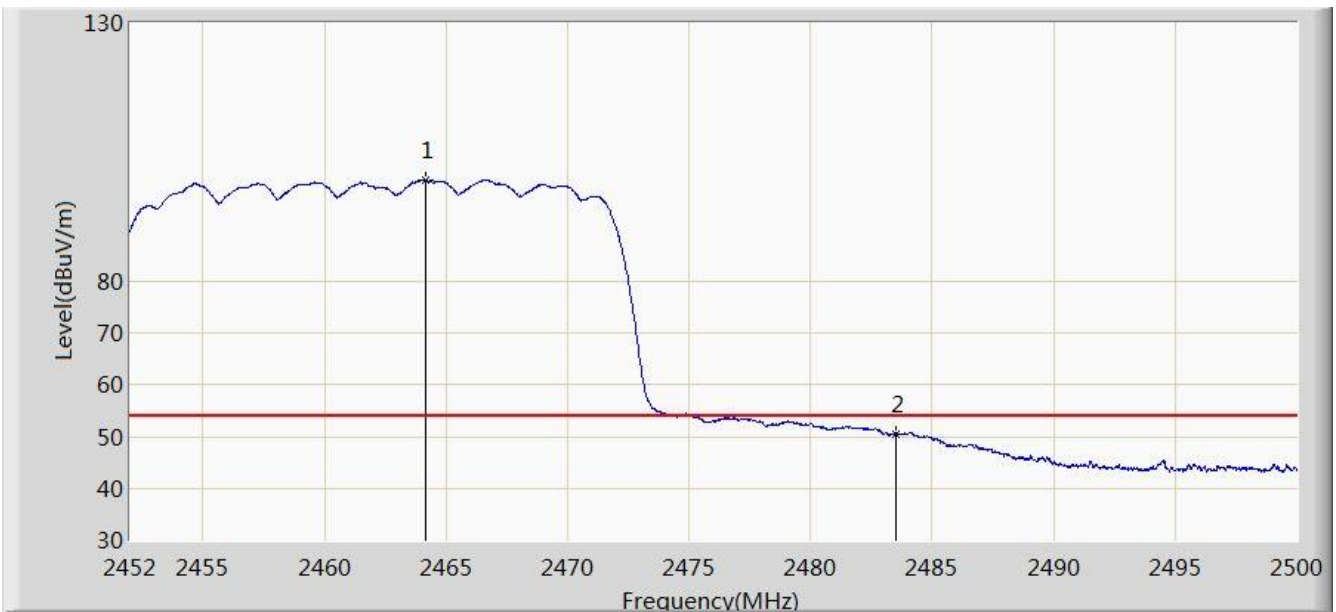


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.952	112.286	79.764	N/A	N/A	32.522	PK
2			2483.500	72.221	39.640	-1.779	74.000	32.580	PK
3			2483.704	73.473	40.892	-0.527	74.000	32.582	PK

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

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

Site: AC1	Time: 2018/06/22 - 23:18
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE20 at Channel 2462MHz Ant 0 + 1	

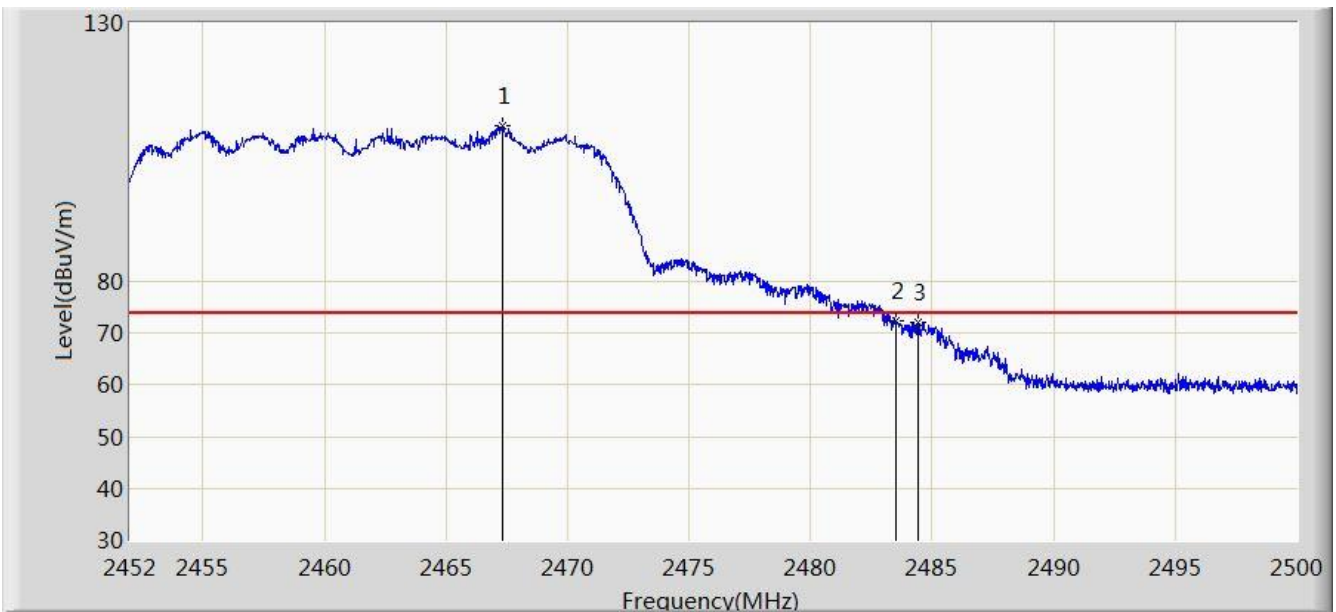


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.144	99.605	67.082	N/A	N/A	32.523	AV
2			2483.500	50.584	18.003	-3.416	54.000	32.580	AV

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

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

Site: AC1	Time: 2018/06/22 - 23:19
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE20 at Channel 2462MHz Ant 0 + 1	

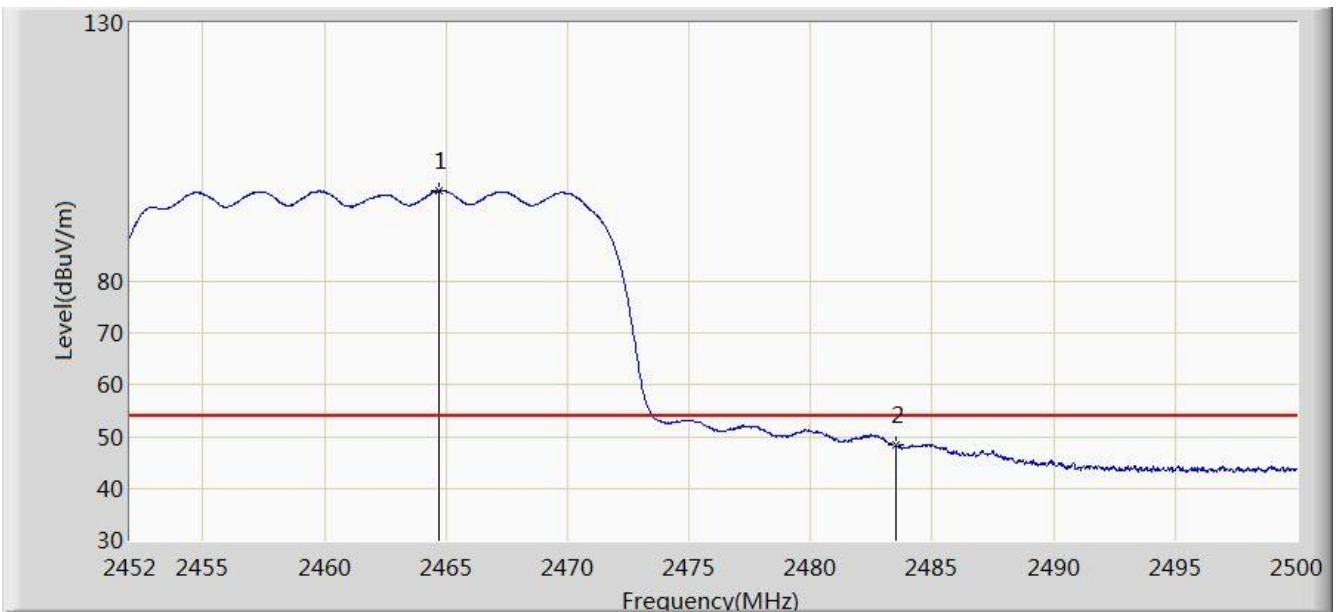


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2467.336	109.992	77.460	N/A	N/A	32.532	PK
2			2483.500	72.380	39.799	-1.620	74.000	32.580	PK
3			2484.448	72.172	39.589	-1.828	74.000	32.584	PK

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

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

Site: AC1	Time: 2018/06/22 - 23:21
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE20 at Channel 2462MHz Ant 0 + 1	

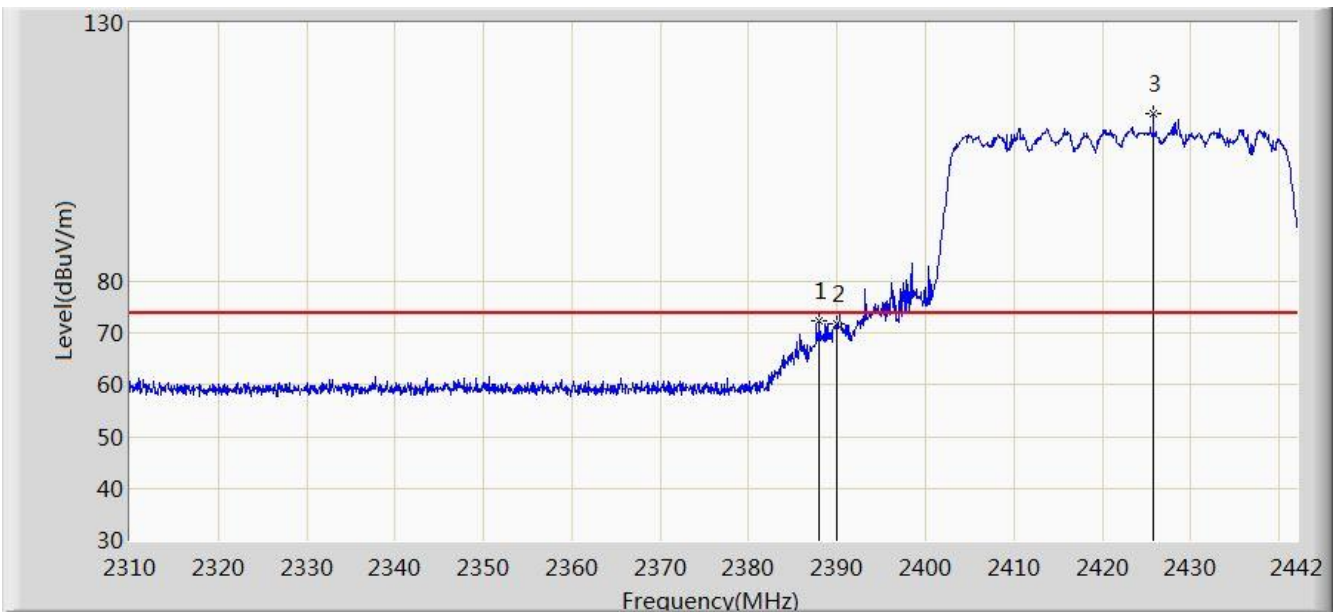


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.720	97.638	65.114	N/A	N/A	32.524	AV
2			2483.500	48.278	15.697	-5.722	54.000	32.580	AV

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

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

Site: AC1	Time: 2018/06/22 - 23:31
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE40 at Channel 2422MHz Ant 0 + 1	

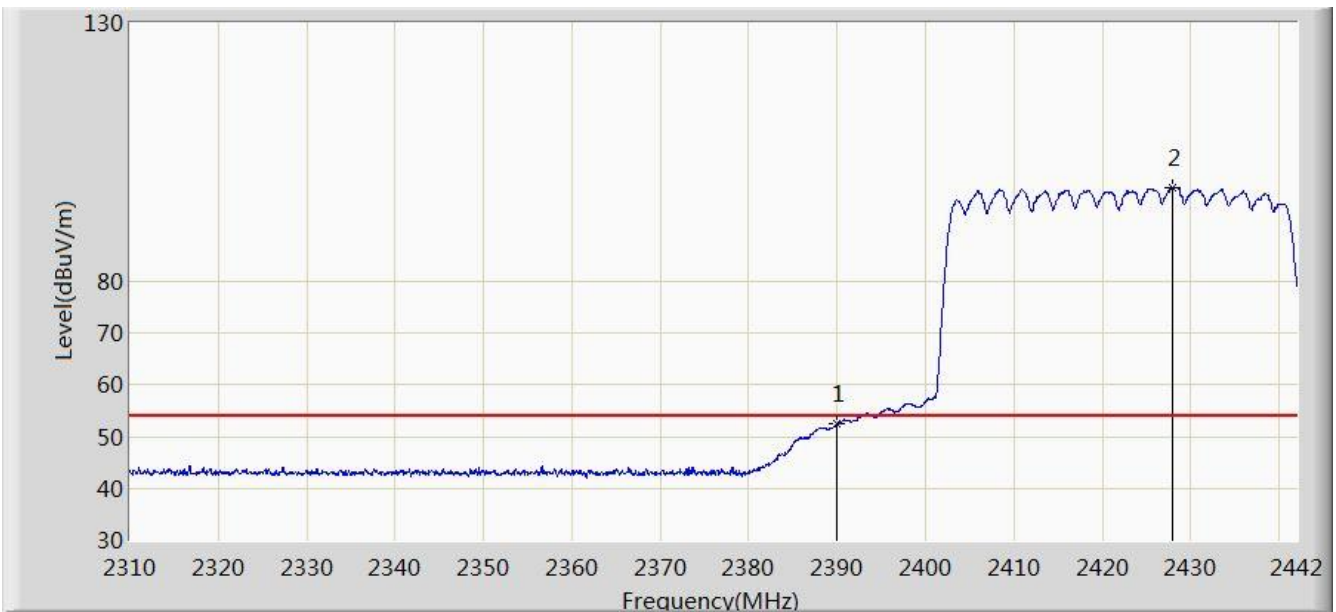


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.012	72.404	39.847	-1.596	74.000	32.557	PK
2			2390.000	71.685	39.131	-2.315	74.000	32.554	PK
3		*	2425.764	112.467	79.958	N/A	N/A	32.509	PK

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

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

Site: AC1	Time: 2018/06/22 - 23:33
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE40 at Channel 2422MHz Ant 0 + 1	

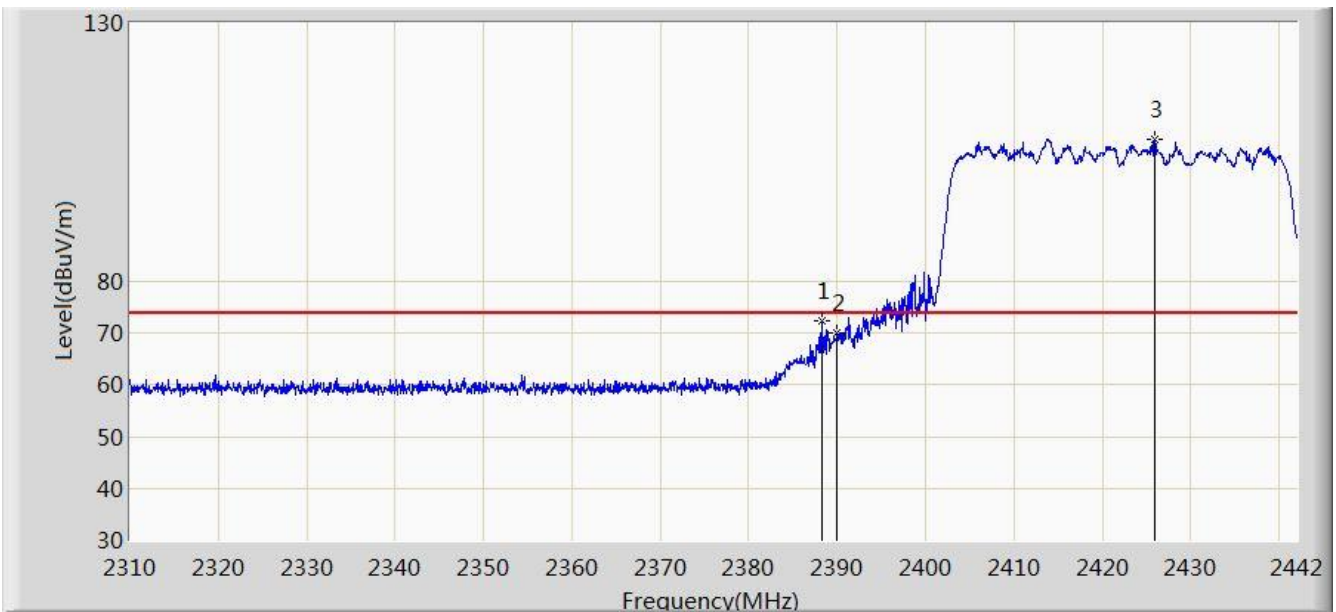


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2390.000	52.420	19.866	-1.580	54.000	32.554	AV
2		*	2428.008	98.178	65.671	N/A	N/A	32.507	AV

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

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

Site: AC1	Time: 2018/06/22 - 23:34
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE40 at Channel 2422MHz Ant 0 + 1	

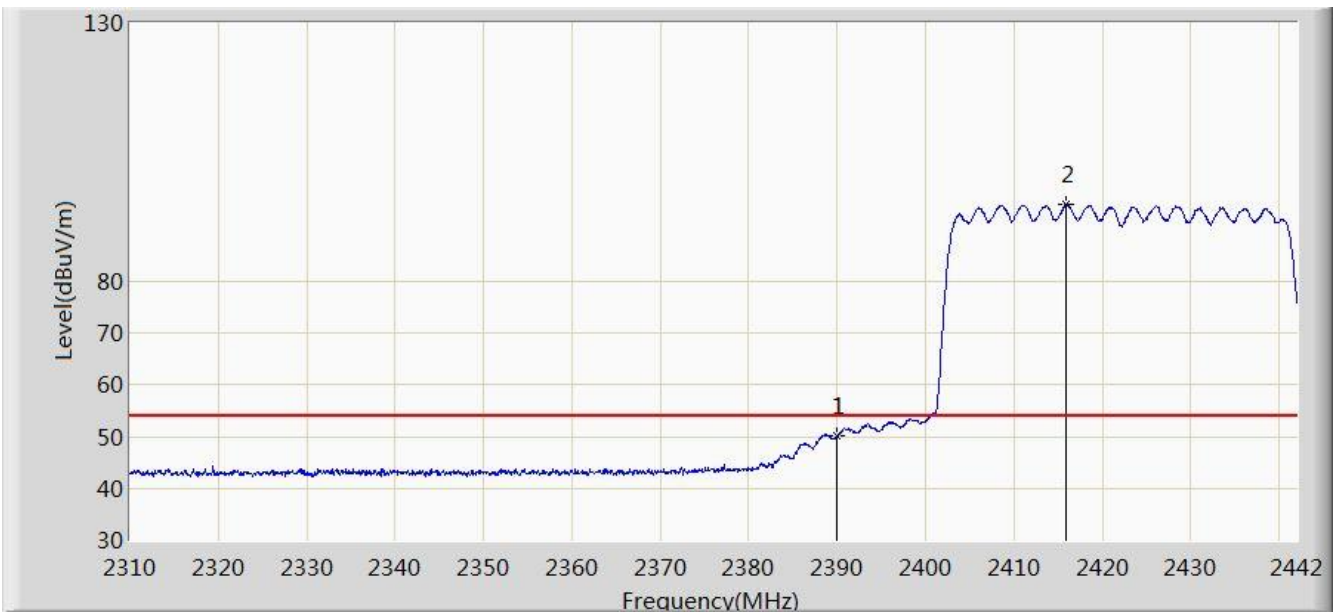


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			2388.342	72.501	39.944	-1.499	74.000	32.557	PK
2			2390.000	69.927	37.373	-4.073	74.000	32.554	PK
3		*	2425.962	107.619	75.110	N/A	N/A	32.509	PK

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

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

Site: AC1	Time: 2018/06/22 - 23:37
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE40 at Channel 2422MHz Ant 0 + 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	50.136	17.582	-3.864	54.000	32.554	AV
2		*	2415.930	94.913	62.392	N/A	N/A	32.521	AV

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

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

Site: AC1	Time: 2018/06/22 - 23:50
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE40 at Channel 2452MHz Ant 0 + 1	

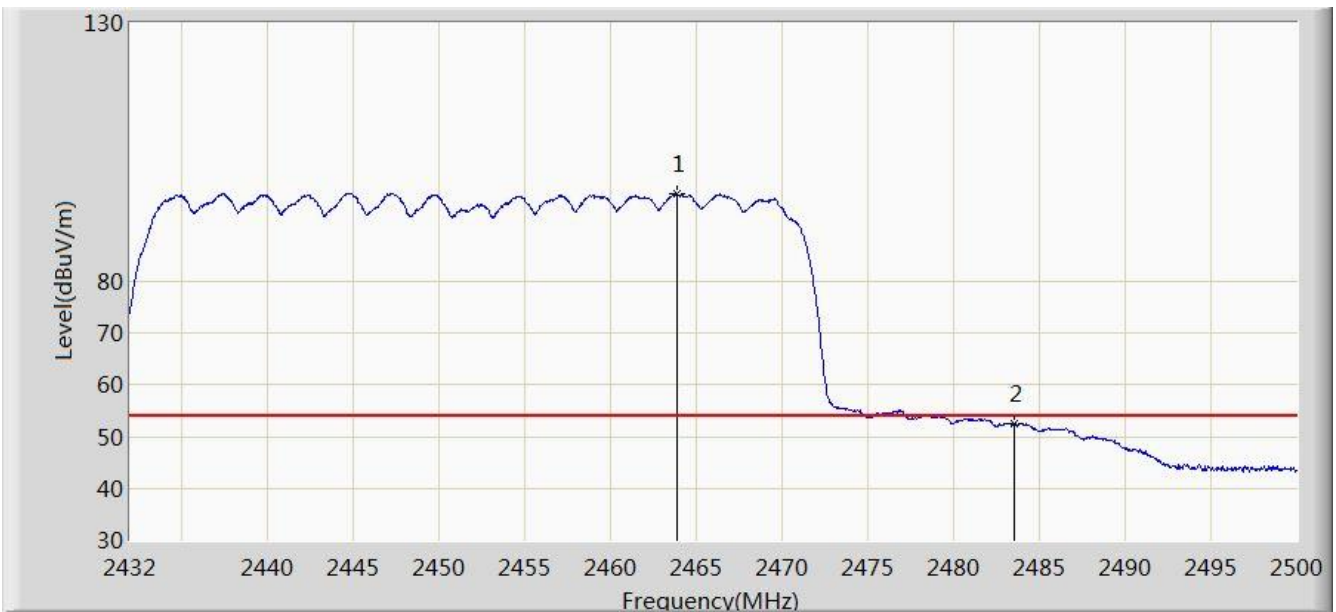


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2459.710	109.792	77.280	N/A	N/A	32.513	PK
2			2483.500	71.542	38.961	-2.458	74.000	32.580	PK
3			2484.054	72.661	40.079	-1.339	74.000	32.582	PK

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

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

Site: AC1	Time: 2018/06/22 - 23:49
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Horizontal
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE40 at Channel 2452MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2463.858	96.923	64.401	N/A	N/A	32.521	AV
2			2483.500	52.408	19.827	-1.592	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: 2018/06/22 - 23:52
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE40 at Channel 2452MHz Ant 0 + 1	

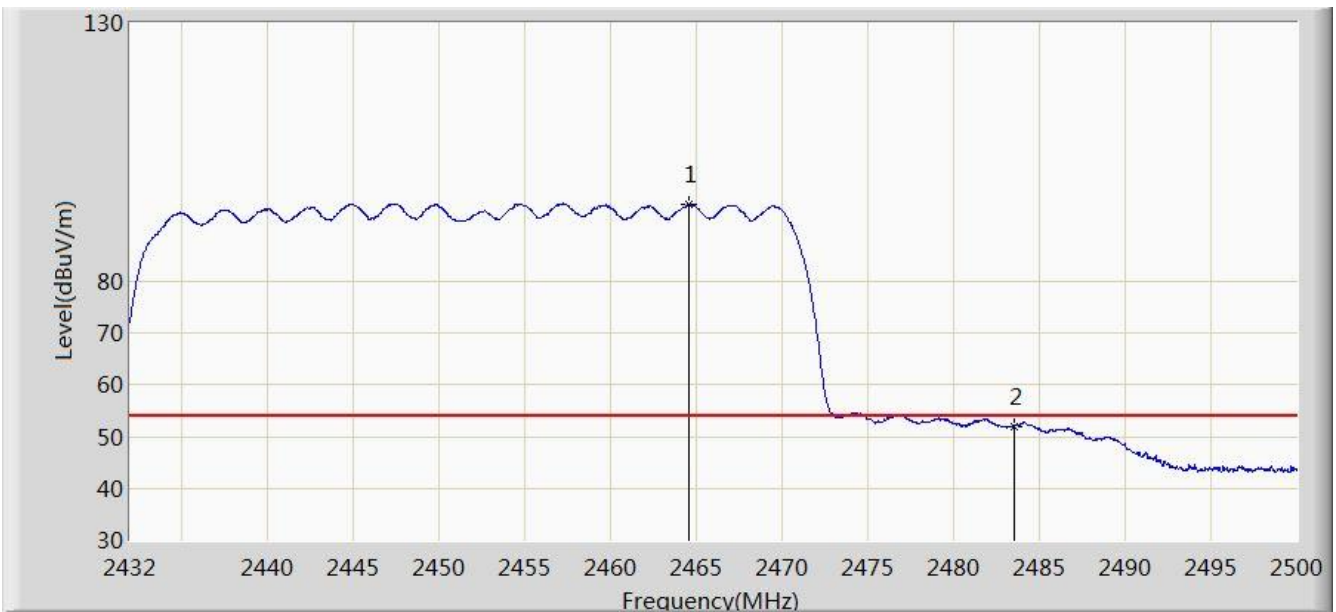


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2449.816	107.532	75.037	N/A	N/A	32.495	PK
2			2483.500	70.714	38.133	-3.286	74.000	32.580	PK
3			2484.360	72.633	40.050	-1.367	74.000	32.583	PK

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

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

Site: AC1	Time: 2018/06/22 - 23:53
Limit: NCC LP0002_1GHz-40GHz	Engineer: Kevin
Probe: BBHA9120D_1GHz_18GHz	Polarity: Vertical
EUT: 510 系列存取點	Power: AC 110V/60Hz
測試模式 Transmit by 802.11ax-HE40 at Channel 2452MHz Ant 0 + 1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	2464.538	94.996	62.472	N/A	N/A	32.523	AV
2			2483.500	52.001	19.420	-1.999	54.000	32.580	AV

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

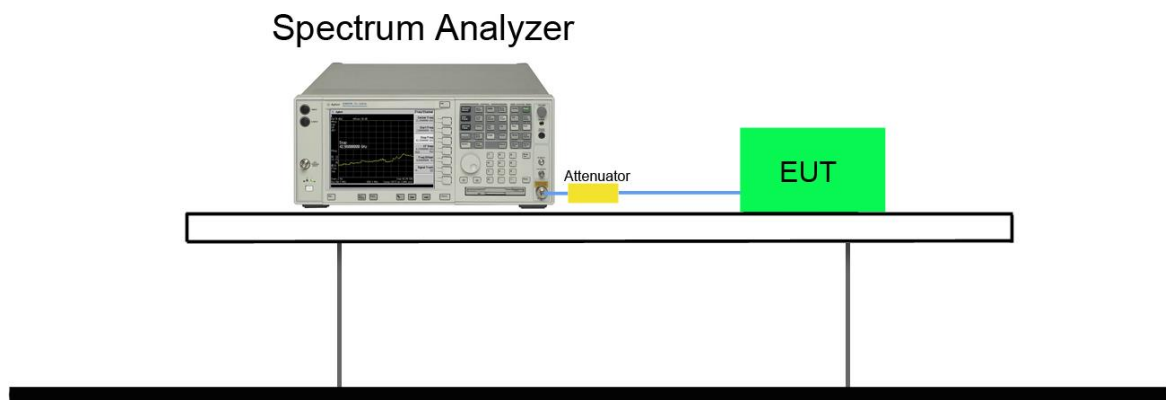
依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.6(2)(A)節之要求，6dB 頻寬至少應有 500kHz。

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



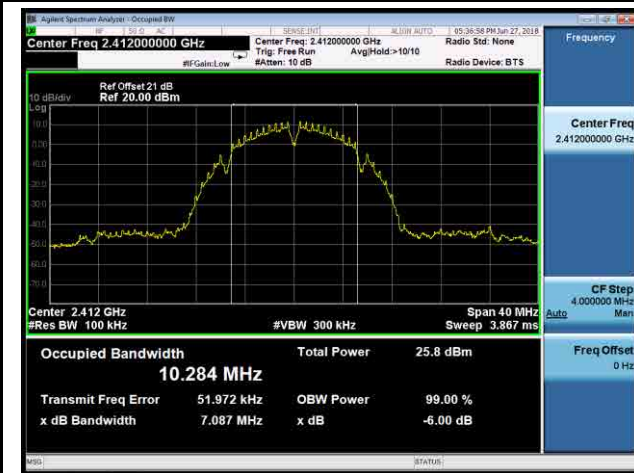
5.7.4. 佔用頻帶寬度測試結果

待測物名稱	510 系列存取點	溫度	25°C
測試工程師	Kevin Ker	濕度	54%
測試場地	SR1	測試日期	2018/06/27
待測物型號	APIN0514		

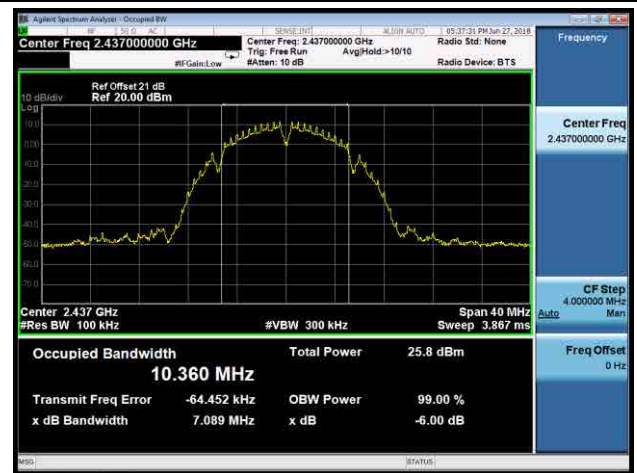
Test Mode	Data Rate / MCS	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1 / Ant 0 + 1						
802.11b	1Mbps	01	2412	7.09	≥ 0.5	Pass
802.11b	1Mbps	06	2437	7.09	≥ 0.5	Pass
802.11b	1Mbps	11	2462	7.09	≥ 0.5	Pass
802.11g	6Mbps	01	2412	16.38	≥ 0.5	Pass
802.11g	6Mbps	06	2437	16.38	≥ 0.5	Pass
802.11g	6Mbps	11	2462	16.37	≥ 0.5	Pass
802.11n-HT20	MCS0	01	2412	17.63	≥ 0.5	Pass
802.11n-HT20	MCS0	06	2437	17.64	≥ 0.5	Pass
802.11n-HT20	MCS0	11	2462	17.63	≥ 0.5	Pass
802.11n-HT40	MCS0	03	2422	36.12	≥ 0.5	Pass
802.11n-HT40	MCS0	06	2437	36.38	≥ 0.5	Pass
802.11n-HT40	MCS0	09	2452	36.41	≥ 0.5	Pass
802.11ax-HE20	MCS0	01	2412	18.89	≥ 0.5	Pass
802.11ax-HE20	MCS0	06	2437	19.02	≥ 0.5	Pass
802.11ax-HE20	MCS0	11	2462	18.97	≥ 0.5	Pass
802.11ax-HE40	MCS0	03	2422	36.41	≥ 0.5	Pass
802.11ax-HE40	MCS0	06	2437	36.49	≥ 0.5	Pass
802.11ax-HE40	MCS0	09	2452	37.35	≥ 0.5	Pass

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

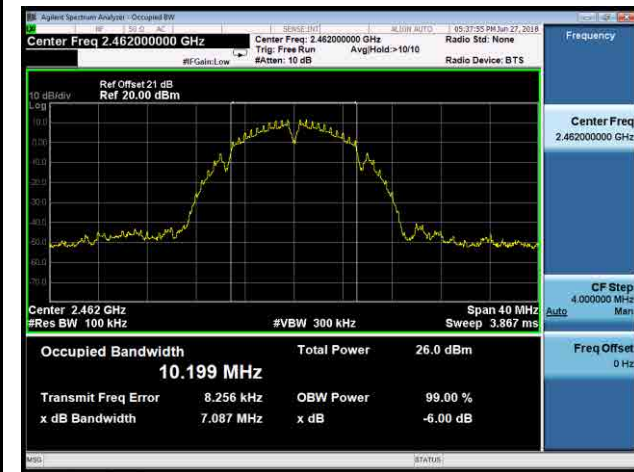
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

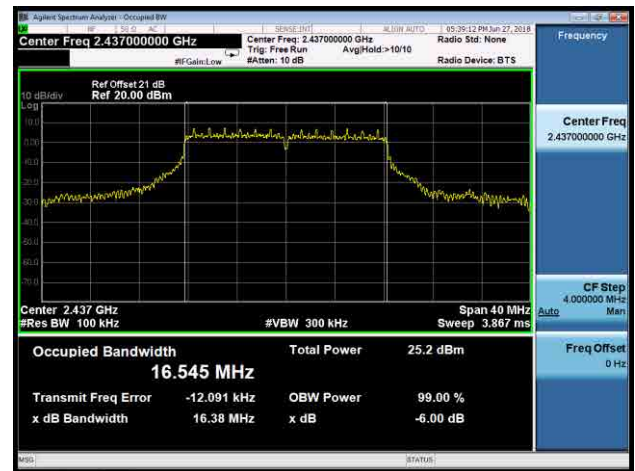


802.11g 6dB Bandwidth - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)

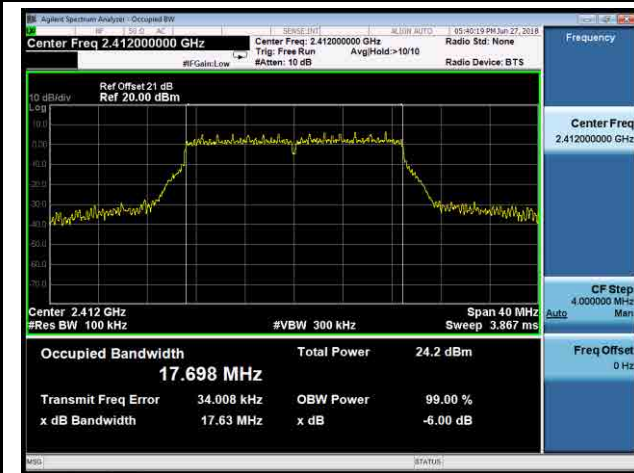


Channel 11 (2462MHz)

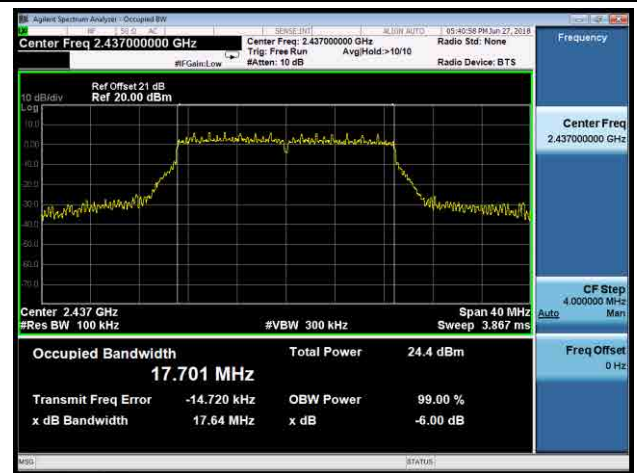


802.11n-HT20 6dB Bandwidth - Ant 1 / Ant 0 + 1

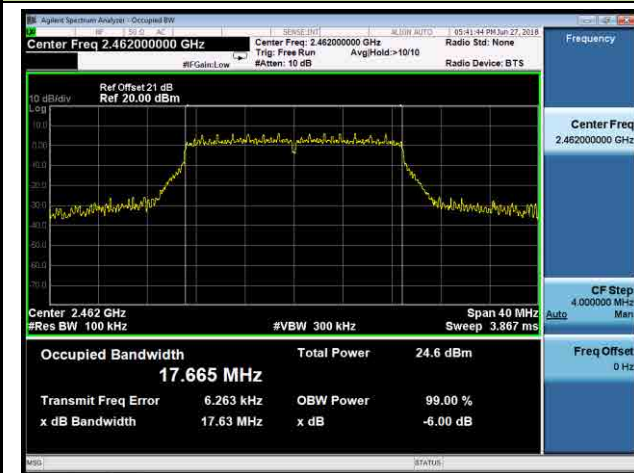
Channel 01 (2412MHz)



Channel 06 (2437MHz)

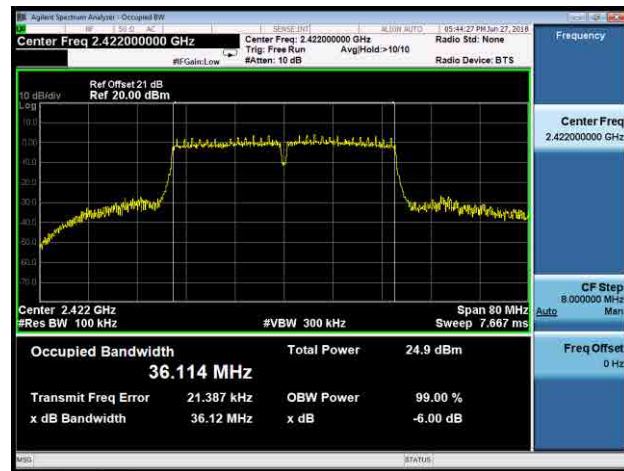


Channel 11 (2462MHz)

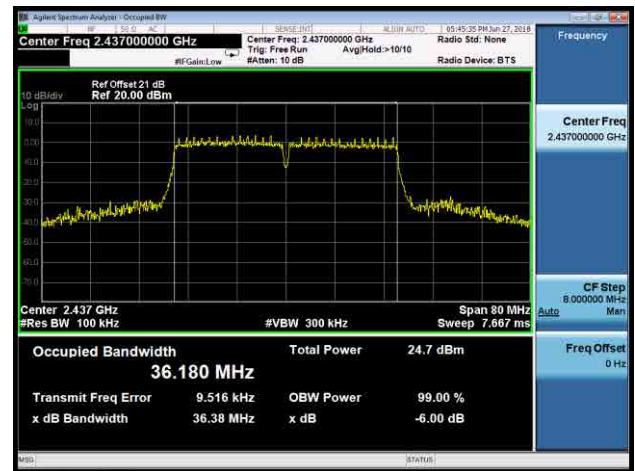


802.11n-HT40 6dB Bandwidth - Ant 1 / Ant 0 + 1

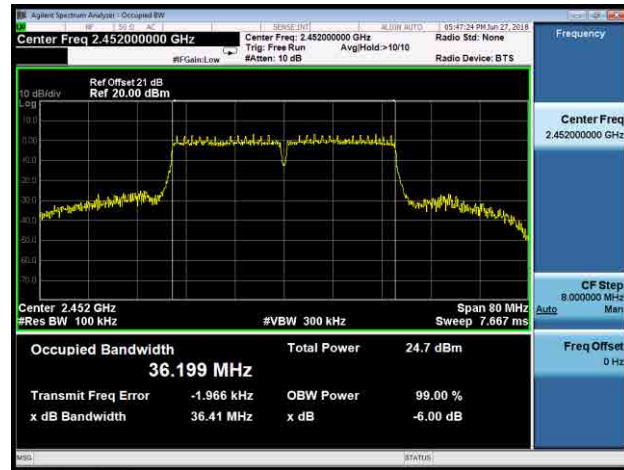
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ax-HE20 6dB Bandwidth - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

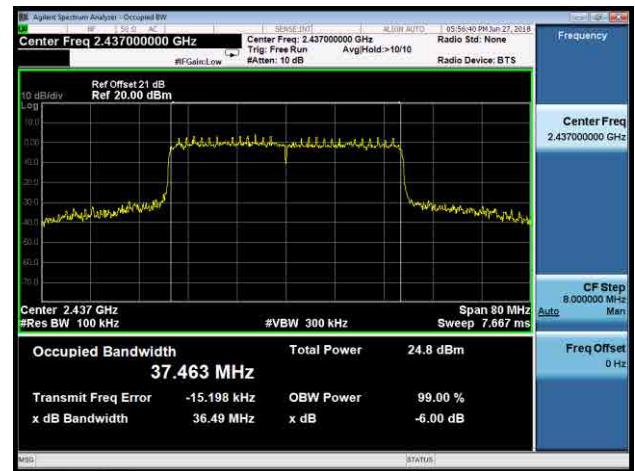


802.11ax-HE40 6dB Bandwidth - Ant 1 / Ant 0 + 1

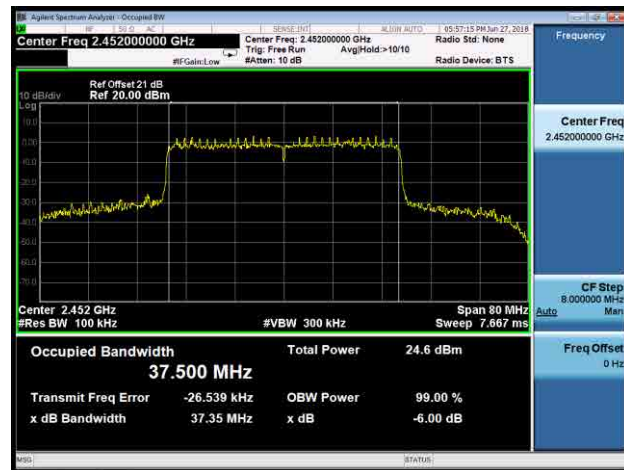
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



5.8. 發射電功率密度

5.8.1. 適用標準

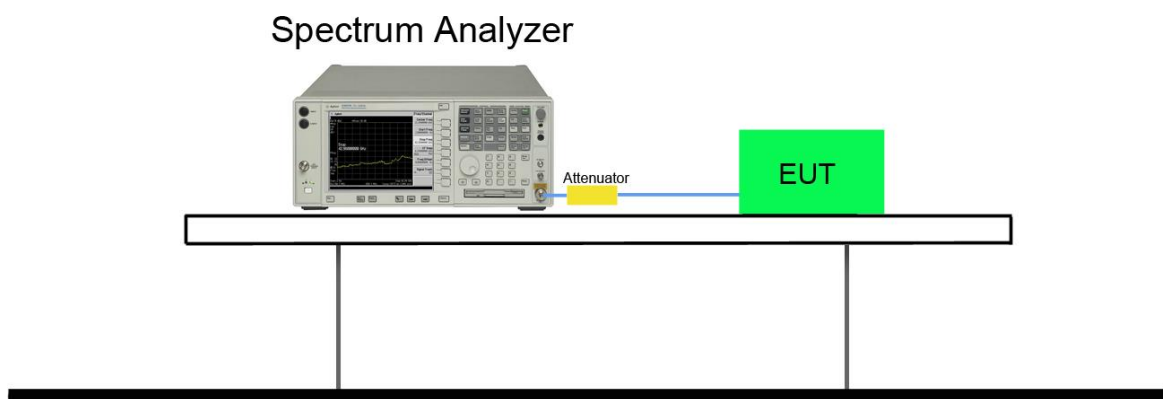
依據國家通訊傳播委員會低功率射頻電機技術規範之第 3.10.1.6(2)(B)節，在使用頻率範圍之任意 3 千赫(kHz)頻寬內，由發射機傳導至天線之峰值發射電功率密度在任意期間內，皆不得大於 8dBm。

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	510 系列存取點	溫度	23°C
測試工程師	Kevin Ker	濕度	54%
測試場地	SR1	測試日期	2018/07/07
待測物型號	APIN0514	測試項目	Power Spectral Density

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 AVG PSD (dBm / 10kHz)	Ant 1 AVG PSD (dBm / 10kHz)	Duty Cycle (%)	Constant Factor (dB)	Total AVG PSD (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
11b	1Mbps	01	2412	-7.89	-7.46	94.62	-5.23	-9.65	≤ 8.0	Pass
11b	1Mbps	06	2437	-7.47	-7.86	94.62	-5.23	-9.64	≤ 8.0	Pass
11b	1Mbps	11	2462	-7.22	-7.14	94.62	-5.23	-9.16	≤ 8.0	Pass
11g	6Mbps	01	2412	-10.48	-9.37	93.49	-5.23	-11.82	≤ 8.0	Pass
11g	6Mbps	06	2437	-9.49	-9.09	93.49	-5.23	-11.21	≤ 8.0	Pass
11g	6Mbps	11	2462	-13.09	-11.69	93.49	-5.23	-14.26	≤ 8.0	Pass
11n-HT20	MCS0	01	2412	-10.24	-9.55	94.55	-5.23	-11.86	≤ 8.0	Pass
11n-HT20	MCS0	06	2437	-10.08	-9.62	94.55	-5.23	-11.82	≤ 8.0	Pass
11n-HT20	MCS0	11	2462	-11.75	-10.63	94.55	-5.23	-13.13	≤ 8.0	Pass
11n-HT40	MCS0	03	2422	-13.25	-12.35	90.27	-5.23	-14.55	≤ 8.0	Pass
11n-HT40	MCS0	06	2437	-12.14	-11.01	90.27	-5.23	-13.31	≤ 8.0	Pass
11n-HT40	MCS0	09	2452	-14.48	-13.98	90.27	-5.23	-16.00	≤ 8.0	Pass
11ax-HE20	MCS0	01	2412	-12.33	-11.26	97.76	-5.23	-13.88	≤ 8.0	Pass
11ax-HE20	MCS0	06	2437	-10.94	-9.10	97.76	-5.23	-12.04	≤ 8.0	Pass
11ax-HE20	MCS0	11	2462	-14.32	-13.63	97.76	-5.23	-16.08	≤ 8.0	Pass
11ax-HE40	MCS0	03	2422	-14.03	-12.76	95.58	-5.23	-15.37	≤ 8.0	Pass
11ax-HE40	MCS0	06	2437	-12.87	-11.41	95.58	-5.23	-14.10	≤ 8.0	Pass
11ax-HE40	MCS0	09	2452	-15.68	-14.53	95.58	-5.23	-17.09	≤ 8.0	Pass

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

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

待測物名稱	510 系列存取點	溫度	23°C
測試工程師	Kevin Ker	濕度	54%
測試場地	SR1	測試日期	2018/06/26
待測物型號	APIN0515	測試項目	Power Spectral Density

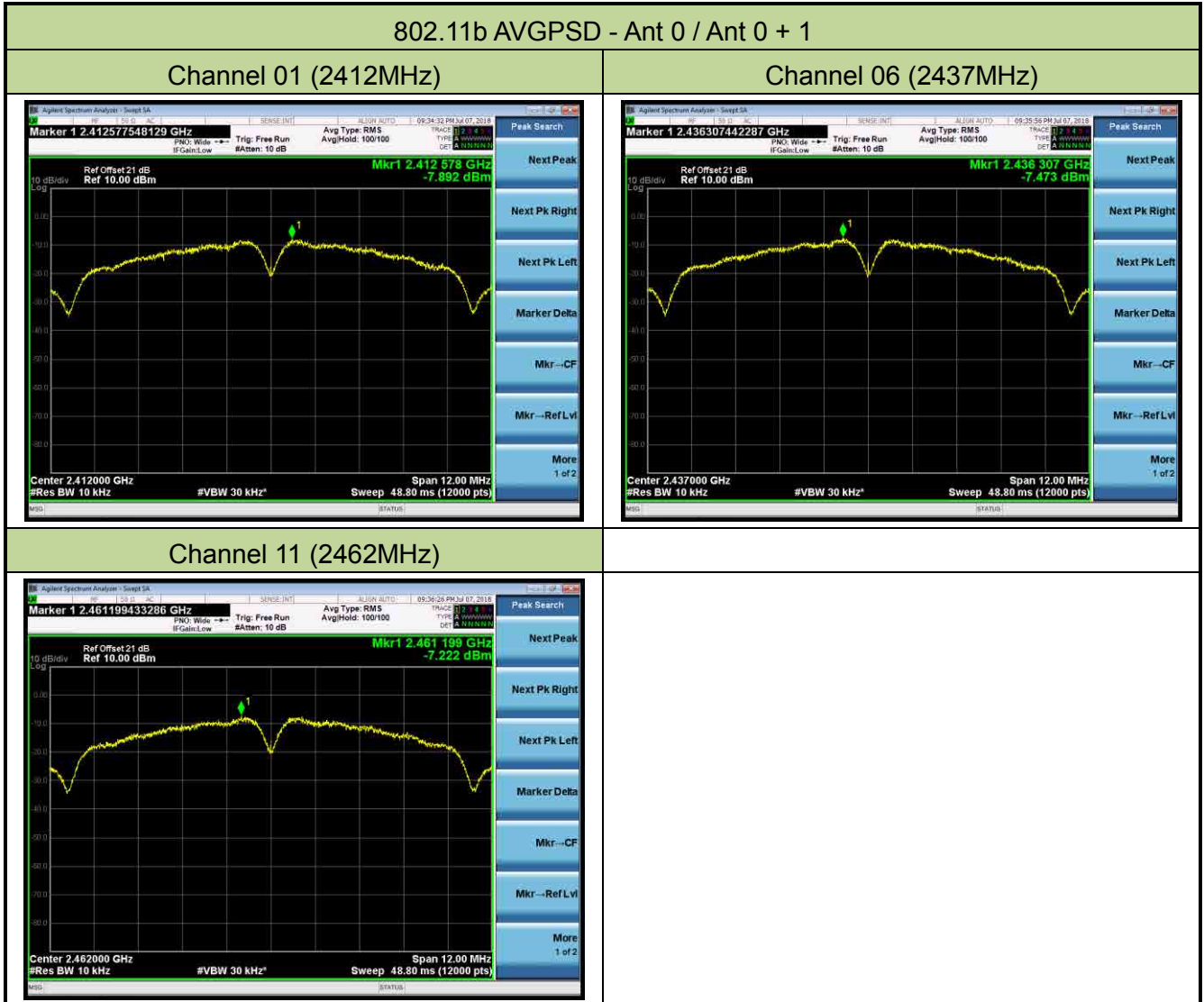
Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 AVGPSD (dBm / 10kHz)	Ant 1 AVGPSD (dBm / 10kHz)	Duty Cycle (%)	Constant Factor (dB)	Total AVGPSD (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
11b	1Mbps	01	2412	-8.37	-8.25	95.02	-5.23	-10.31	≤ 7.22	Pass
11b	1Mbps	06	2437	-8.03	-7.77	95.02	-5.23	-9.90	≤ 7.22	Pass
11b	1Mbps	11	2462	-8.27	-7.96	95.02	-5.23	-10.11	≤ 7.22	Pass
11g	6Mbps	01	2412	-10.69	-10.39	94.93	-5.23	-12.53	≤ 7.22	Pass
11g	6Mbps	06	2437	-9.62	-9.36	94.93	-5.23	-11.48	≤ 7.22	Pass
11g	6Mbps	11	2462	-11.50	-10.72	94.93	-5.23	-13.09	≤ 7.22	Pass
11n-HT20	MCS0	01	2412	-10.51	-10.18	95.04	-5.23	-12.34	≤ 7.22	Pass
11n-HT20	MCS0	06	2437	-10.10	-10.29	95.04	-5.23	-12.19	≤ 7.22	Pass
11n-HT20	MCS0	11	2462	-12.21	-11.45	95.04	-5.23	-13.81	≤ 7.22	Pass
11n-HT40	MCS0	03	2422	-13.71	-13.84	90.27	-5.23	-15.55	≤ 7.22	Pass
11n-HT40	MCS0	06	2437	-11.94	-12.75	90.27	-5.23	-14.10	≤ 7.22	Pass
11n-HT40	MCS0	09	2452	-15.34	-16.29	90.27	-5.23	-17.56	≤ 7.22	Pass
11ax-HE20	MCS0	01	2412	-12.00	-11.70	98.02	-5.23	-14.07	≤ 7.22	Pass
11ax-HE20	MCS0	06	2437	-10.81	-10.75	98.02	-5.23	-13.00	≤ 7.22	Pass
11ax-HE20	MCS0	11	2462	-14.29	-13.82	98.02	-5.23	-16.27	≤ 7.22	Pass
11ax-HE40	MCS0	03	2422	-14.28	-15.25	96.18	-5.23	-16.79	≤ 7.22	Pass
11ax-HE40	MCS0	06	2437	-13.15	-12.89	96.18	-5.23	-15.07	≤ 7.22	Pass
11ax-HE40	MCS0	09	2452	-15.43	-16.39	96.18	-5.23	-17.93	≤ 7.22	Pass

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

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

Note 3: PSD Limit = 8 dBm/3kHz - (6.78 dBi – 6.00 dBi) = 7.22 dBm/3kHz.

待測物名稱	510 系列存取點	溫度	25°C
測試工程師	Kevin Ker	濕度	54%
測試場地	SR1	測試日期	2018/07/07
待測物型號	APIN0514		



802.11g AVGPSPD - Ant 0 / Ant 0 + 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)

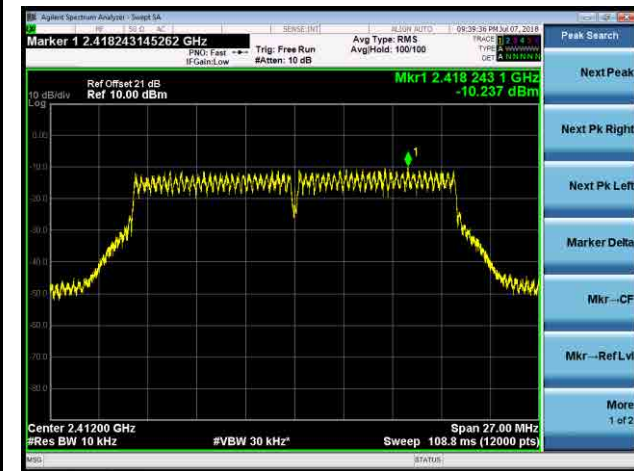


Channel 11 (2462MHz)



802.11n-HT20 AVGPSPD - Ant 0 / Ant 0 + 1

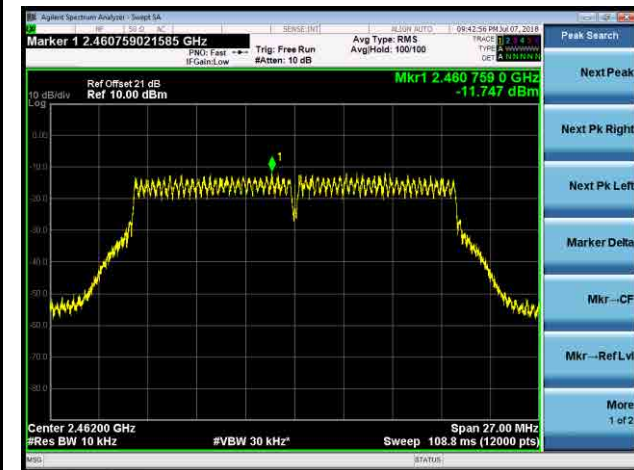
Channel 01 (2412MHz)



Channel 06 (2437MHz)

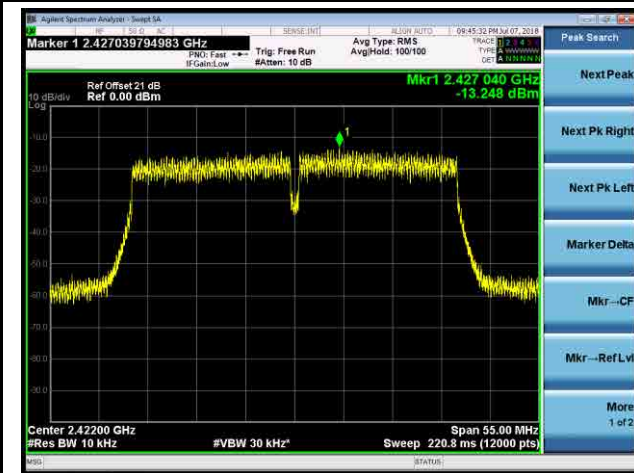


Channel 11 (2462MHz)



802.11n-HT40 AVGPSPD - Ant 0 / Ant 0 + 1

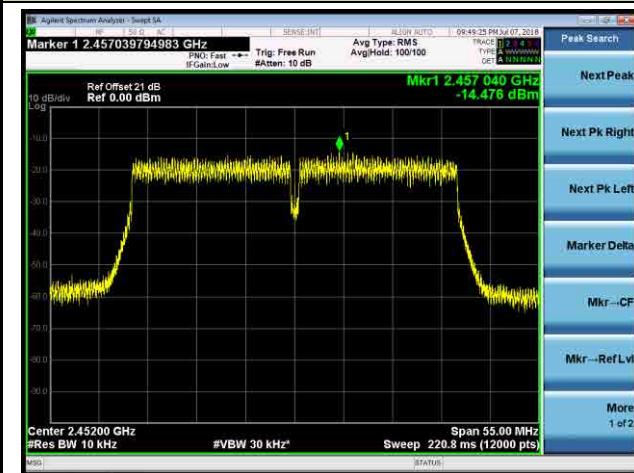
Channel 03 (2422MHz)



Channel 06 (2437MHz)

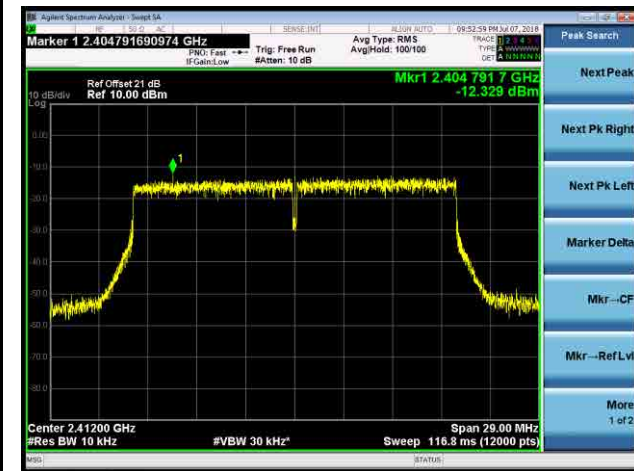


Channel 09 (2452MHz)

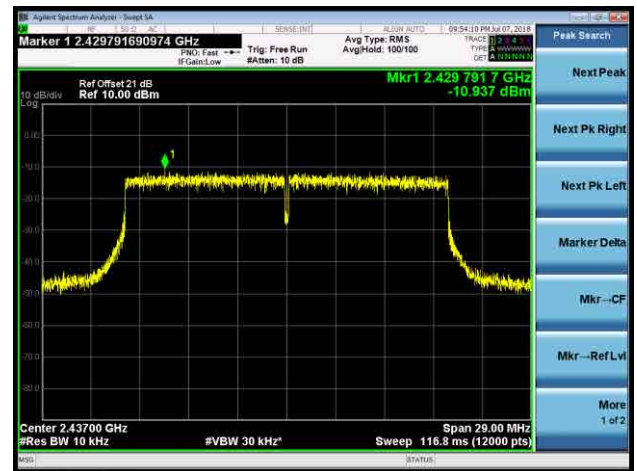


802.11ax-HE20 AVGPSPD - Ant 0 / Ant 0 + 1

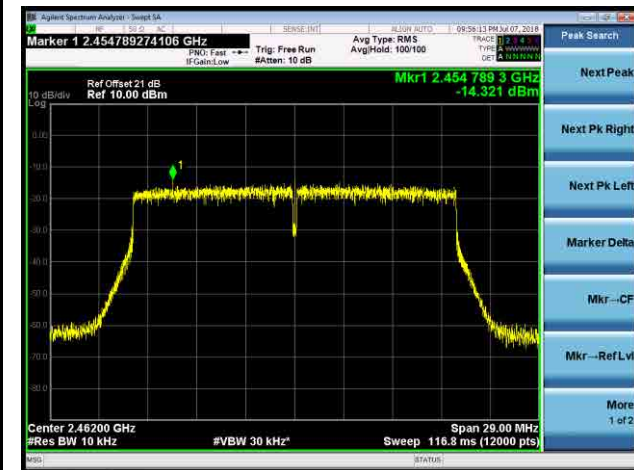
Channel 01 (2412MHz)



Channel 06 (2437MHz)

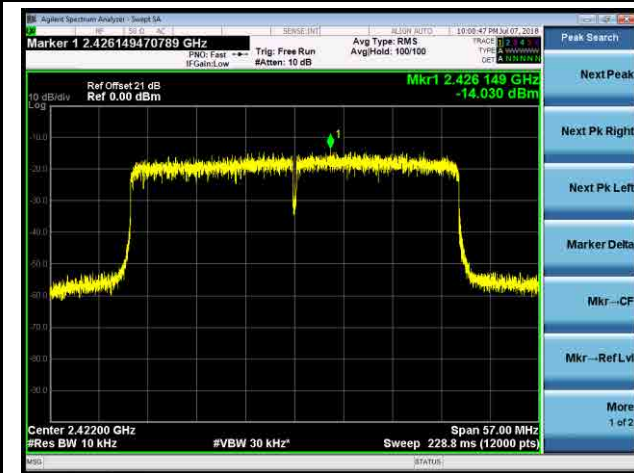


Channel 11 (2462MHz)



802.11ax-HE40 AVGPSPD - Ant 0 / Ant 0 + 1

Channel 03 (2422MHz)



Channel 06 (2437MHz)

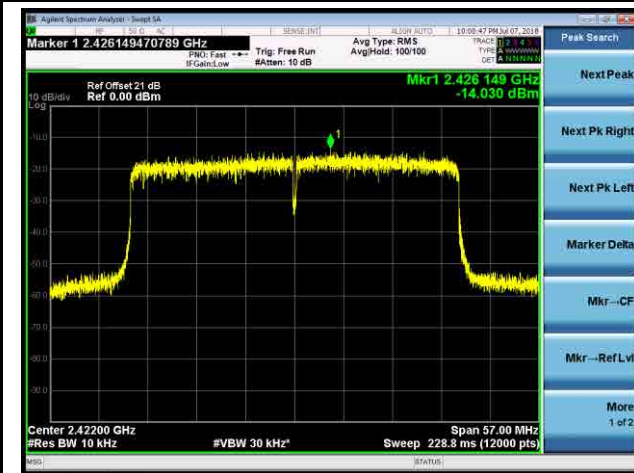


Channel 09 (2452MHz)

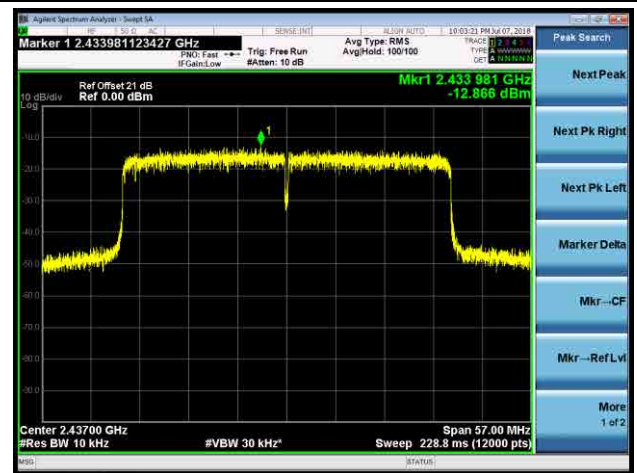


802.11b AVGPSPD - Ant 1 / Ant 0 + 1

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11b AVGPSPD - Ant 1 / Ant 0 + 1

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11b AVGPST - Ant 1 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)

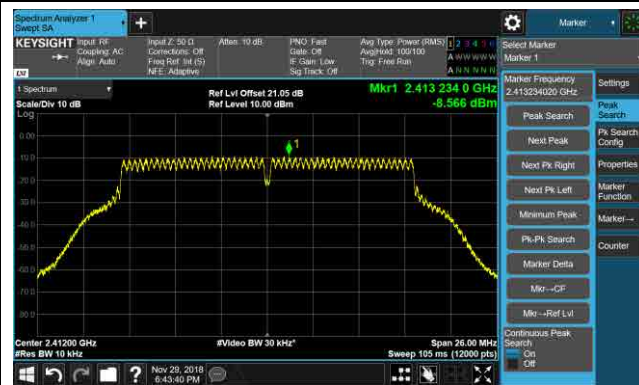


Channel 11 (2462MHz)



802.11g AVGPSPD - Ant 1 / Ant 0 + 1 +2 + 3

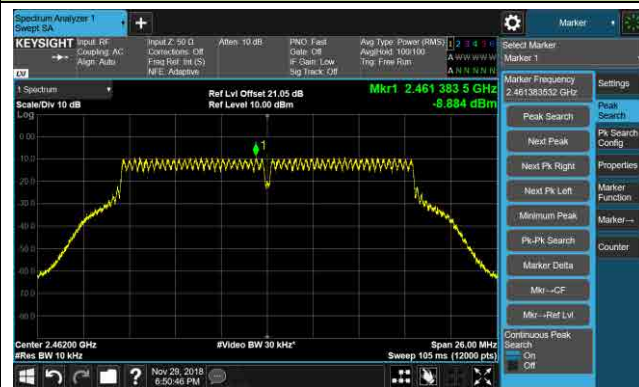
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT20 AVGPDS - Ant 1 / Ant 0 + 1 +2 + 3

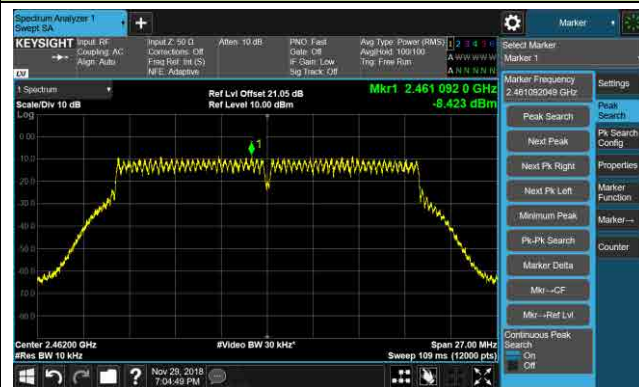
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

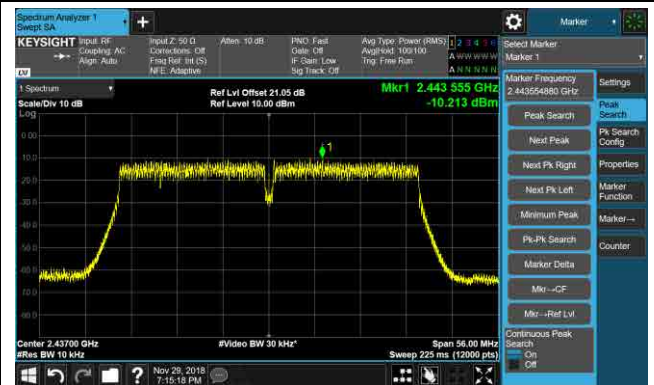


802.11n-HT40 AVGPSPD - Ant 1 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ac-VHT20 AVGPSPD - Ant 1 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ac-VHT40 AVGPSPD - Ant 1 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ax-HE20 AVGPSPD - Ant 1 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ax-HE40 AVGPSPD - Ant 1 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11b AVGPSPD - Ant 2 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)

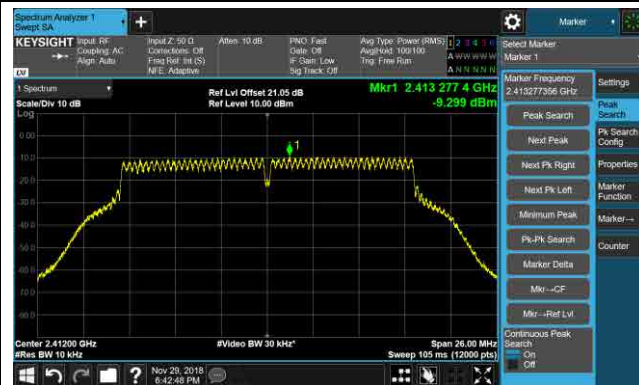


Channel 11 (2462MHz)



802.11g AVGPSPD - Ant 2 / Ant 0 + 1 +2 + 3

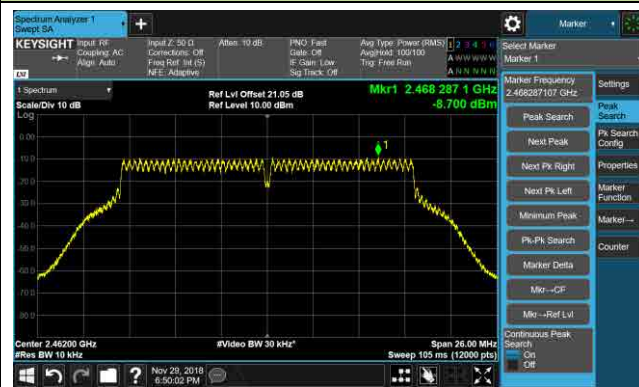
Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT20 AVGPDS - Ant 2 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT40 AVGPDS - Ant 2 / Ant 0 + 1 +2 + 3

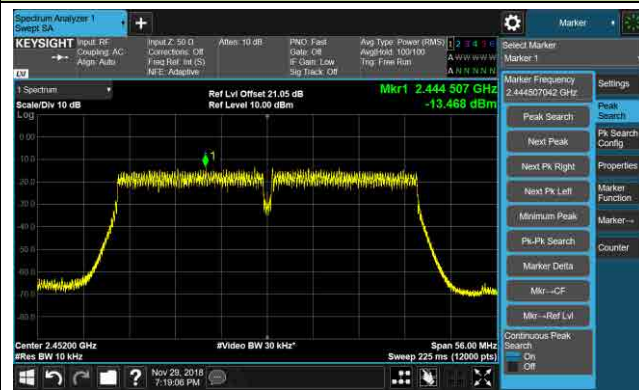
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ac-VHT20 AVGPSPD - Ant 2 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)

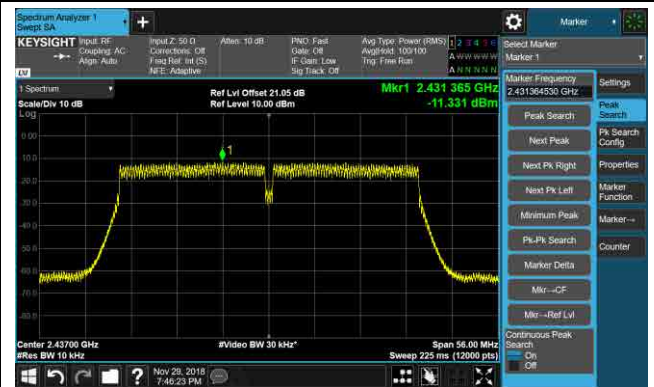


802.11ac-VHT40 AVGPSPD - Ant 2 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ax-HE20 AVGPDS - Ant 2 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ax-HE40 AVGPSPD - Ant 2 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11b AVGPST - Ant 3 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11g AVGPSPD - Ant 3 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT20 AVGPSPD - Ant 3 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11n-HT40 AVGPSPD - Ant 3 / Ant 0 + 1 +2 + 3

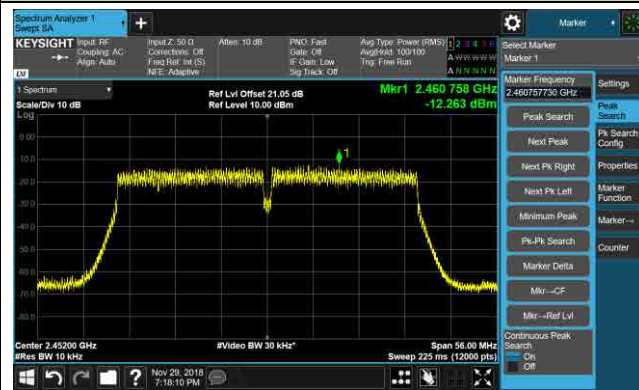
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ac-VHT20 AVGPSPD - Ant 3 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ac-VHT40 AVGPSPD - Ant 3 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ax-HE20 AVGPSPD - Ant 3 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ax-HE40 AVGPSPD - Ant 3 / Ant 0 + 1 +2 + 3

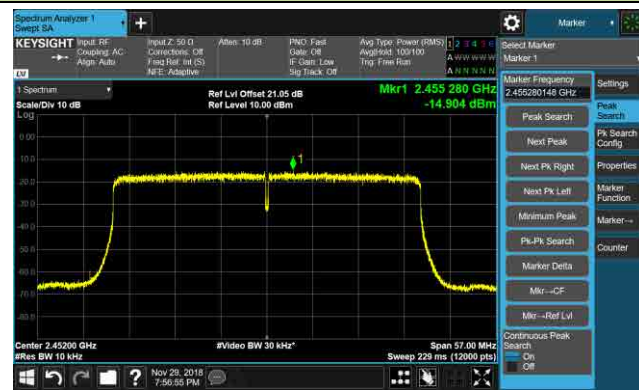
Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



待測物名稱	510 系列存取點	溫度	25°C
測試工程師	Kevin Ker	濕度	54%
Test Mode	Beam-Forming Mode		

802.11ac-VHT20 AVGPSPD - Ant 0 / Ant 0 + 1 + 2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ac-VHT40 AVGPSPD - Ant 0 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

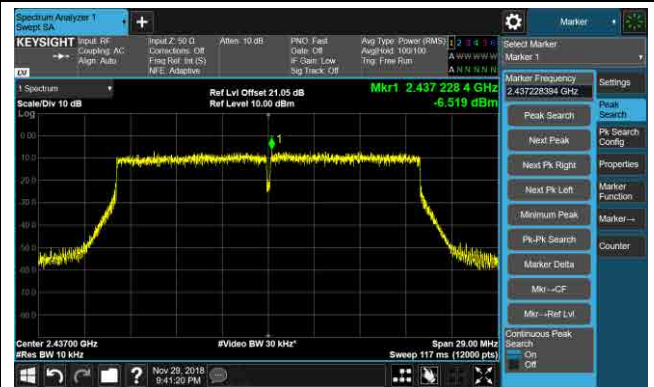


802.11ax-HE20 AVGPSPD - Ant 0 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ax-HE40 AVGPSPD - Ant 0 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)



802.11ac-VHT20 AVGPSPD - Ant 1 / Ant 0 + 1 +2 + 3

Channel 01 (2412MHz)



Channel 06 (2437MHz)



Channel 11 (2462MHz)



802.11ac-VHT40 AVGPSPD - Ant 1 / Ant 0 + 1 +2 + 3

Channel 03 (2422MHz)



Channel 06 (2437MHz)



Channel 09 (2452MHz)

