



NCC

低功率射頻器材型式試驗報告

產品名稱 : AC1300 Dual Antennas High Gain Wireless USB Adapter
型號 : Archer T4U Plus
廠牌 : tp-link
商標 :  tp-link
申請者 : 聯洲國際有限公司
申請者地址 : 新北市板橋區中山路一段 156 號 4 樓
測試標準 : LP0002 (109 年版)
參考法規 : ANSI C63.10-2013
測試結果 : 符合
接收日期 : 2021/11/16
測試日期 : 2021/11/19~2022/1/14

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修訂紀錄

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1. 一般資訊

申請者	聯洲國際有限公司
申請者地址	新北市板橋區中山路一段 156 號 4 樓
製造商	TP-Link Corporation Limited
實驗室	台灣曼瑞檢測科技有限公司
實驗室地址	33377 台灣桃園市龜山區復興二路 38 號
實驗室資訊	1. MRT facility is a FCC registered (Reg. No. 153292) test facility with the site description report on file and is designated by the FCC as an Accredited Test Firm. 2. MRT facility is an IC registered (MRT Reg. No. 21723) test laboratory with the site description on file at Industry Canada. 3. MRT Lab is accredited to ISO 17025 by the Taiwan Accreditation Foundation (TAF Cert. No. 3261) in EMC, Telecommunications and Radio testing for FCC (Designation Number: TW3261), Industry Taiwan, EU and TELEC Rules.
實驗室測試環境條件	溫度 (°C) : 20-35 / 濕度 (%RH) : 30-65

2. 產品描述

2.1 產品資訊

產品名稱	AC1300 Dual Antennas High Gain Wireless USB Adapter
產品型號	Archer T4U Plus
廠牌	tp-link
商標	
支援規格	WLAN: 2.4G: 802.11b/g/n-20/n-40 5G: 802.11a/n-20/ac-20/n-40/ac-40/ac-80, Band 1,2,3,4
Wi-Fi 規格	802.11b/g/n-20/n-40 (2TX / 2RX)
頻率範圍	2.4GHz: For 802.11b/g/n-HT20: 2412 ~ 2462 MHz For 802.11n-HT40: 2422 ~ 2452 MHz
最大輸出功率	802.11b_SISO_Ant 0: 20.25dBm 802.11g_SISO_Ant 0: 20.23dBm 802.11n-HT20_MIMO_Ant 0+1: 23.05dBm 802.11n-HT40_MIMO_Ant 0+1: 19.91dBm
配件	
USB3.0 Cable	Brand: tp-link M/N: 3008500219 Length: 1.0m

2.2 產品規格

Technology	Frequency (MHz)	Modulation	channel Spacing (MHz)	Data Rate (Mbps)	Number of Channels
802.11b	2412~2462	DSSS (CCK, DQPSK, DBPSK)	5	1 ~11	11
802.11g	2412~2462	OFDM (BPSK, QPSK,16QAM,64QAM)	5	6 ~54	11
802.11n-20M	2412~2462	OFDM (BPSK, QPSK,16QAM,64QAM)	5	6.5-144.4	11
802.11n-40M	2422~2452	OFDM (BPSK, QPSK,16QAM,64QAM)	5	13.5-300	7

802.11b/g/n-HT20

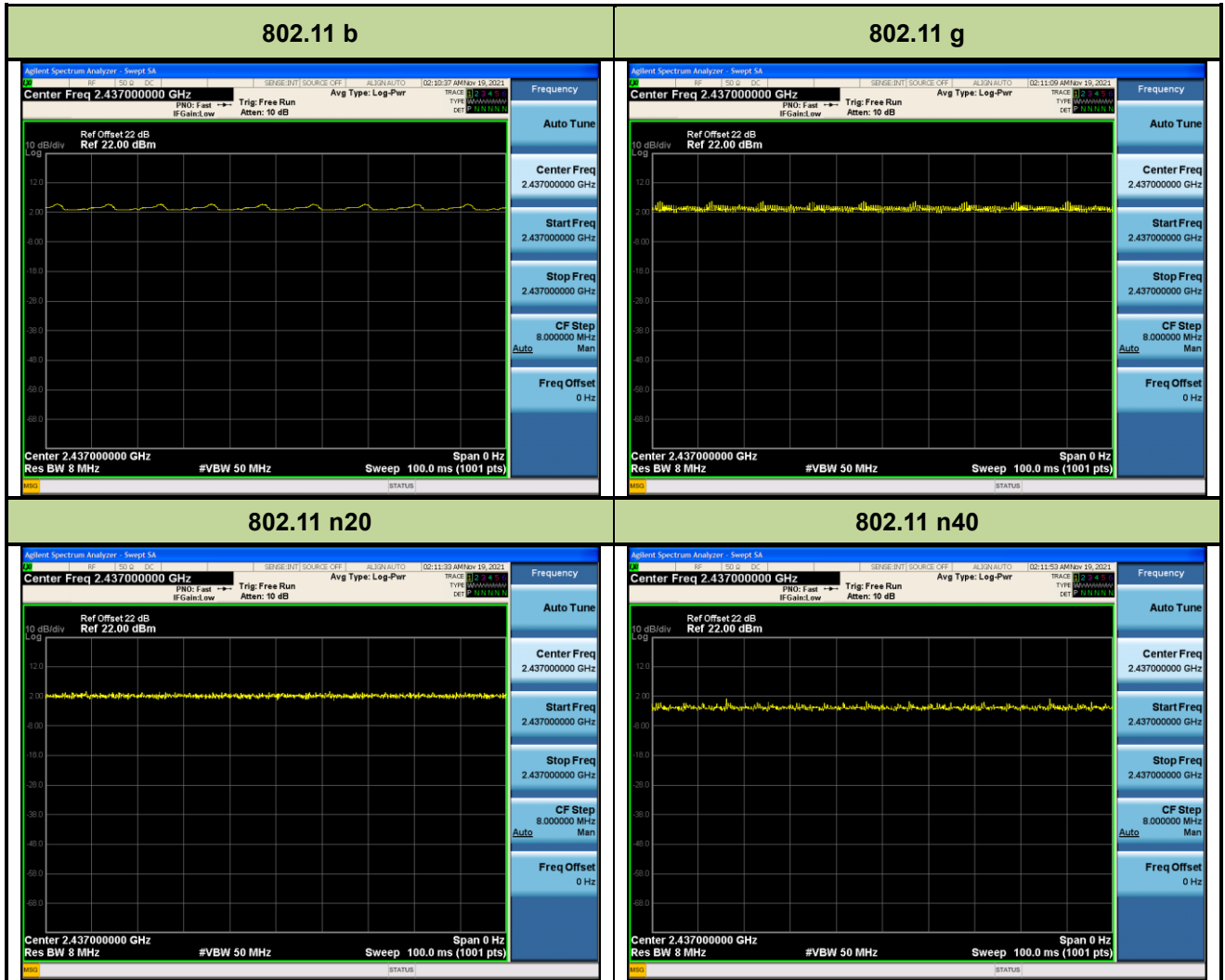
Channel	Frequency	Channel	Frequency	Channel	Frequency
01	2412 MHz	02	2417 MHz	03	2422 MHz
04	2427 MHz	05	2432 MHz	06	2437 MHz
07	2442 MHz	08	2447 MHz	09	2452 MHz
10	2457 MHz	11	2462 MHz	--	--

802.11n-HT40

Channel	Frequency	Channel	Frequency	Channel	Frequency
03	2422 MHz	04	2427 MHz	05	2432 MHz
06	2437 MHz	07	2442 MHz	08	2447 MHz
09	2452 MHz	--	--	--	--

Duty Cycle

Test Mode	Duty Cycle
802.11b	100%
802.11g	100%
802.11 n-HT20	100%
802.11 n-HT40	100%

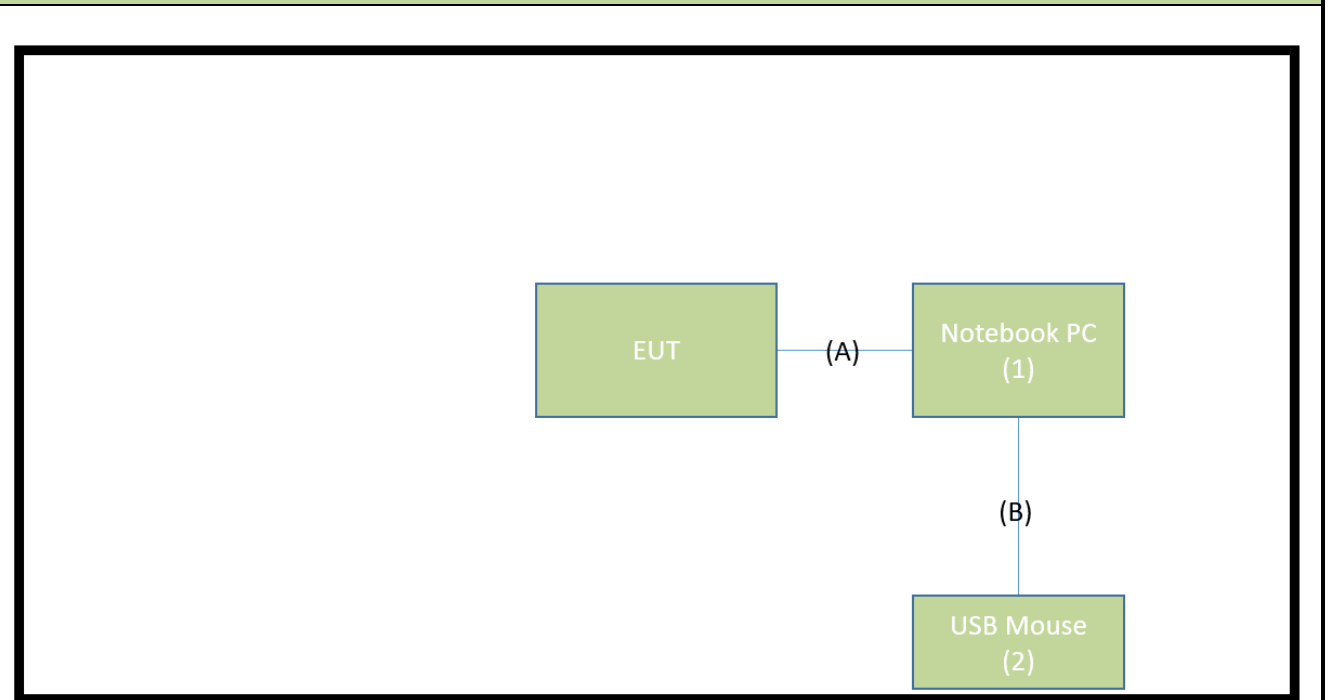


2.3 測試模式

Test Mode	Mode 1: Transmit by 802.11b_SISO_Ant 0
	Mode 2: Transmit by 802.11g_SISO_Ant 0
	Mode 3: Transmit by 802.11n-HT20_MIMO_Ant 0+1
	Mode 4: Transmit by 802.11n-HT40_MIMO_Ant 0+1
	Mode 5: Receive by 802.11n-HT20_MIMO_Ant 0+1

2.4 測試配置

待測物測試配置圖



Signal Cable Type		Signal Cable Description
A	USB Cable	Shielded, 1.0m
B	USB Mouse Cable	Shielded, 1.6m

2.5 測試周邊

待測裝置測試時，其搭配系統測試時之週邊裝置包括如下：

No.	周邊名稱	廠牌	型號	序號	電源線
1	Notebook PC	Lenovo	T450	N/A	Non-shielded, 0.8m
2	USB Mouse	Lenovo	M110	N/A	N/A

2.6 操作程序

1.	Turn on the power of all equipment.
2.	Execute "Realtek 11ac 8822B USB WLAN MP V0.17" program
3.	Configure the test channel and the data rate.
4.	Start test.

3. 測試設備明細

傳導干擾 -SR2

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
Two-Line V-Network	R&S	ENV216	MRTTWA00019	1 year	2022/3/23
Two-Line V-Network	R&S	ENV216	MRTTWA00020	1 year	2022/4/28
8-Wire ISN (T8)	R&S	ENY81	MRTTWA00018	1 year	2022/5/30
Cable	Rosnol	N1C50-RG400- B1C50-500CM	MRTTWE00013	1 year	2022/6/20
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2022/3/24

輻射干擾 - AC2

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
Broadband TRILOG Antenna	SCHWARZBECK	VULB 9162	MRTTWA00001	1 year	2022/10/4
EMI Test Receiver	R&S	ESR3	MRTTWA00009	1 year	2022/3/24
Active Loop Antenna	Schwarzbeck	FMZB 1519B	MRTTWA00002	1 year	2022/5/6
Broadband Hornantenna	RFSPIN	DRH18-E	MRTTWA00087	1 year	2022/8/31
Breitband Hornantenna	Schwarzbeck	BBHA 9170	MRTTWA00004	1 year	2022/4/28
Broadband Preamplifier	EMC Instruments corporation	EMC118A45SE	MRTTWA00088	1 year	2022/8/31
Broadband Preamplifier	SCHWARZBECK	BBV 9718	MRTTWA00005	1 year	2022/4/21
Cable	HUBERSUHNER	SF106	MRTTWE00034	1 year	2022/6/28

傳導量測設備 -SR5

儀器名稱	廠牌	型號	財產編號	校正週期	有效日期
EXA Signal Analyzer	KEYSIGHT	N9010A	MRTTWA00012	1 year	2022/10/18
EXA Signal Analyzer	KEYSIGHT	N9010B	MRTTWA00074	1 year	2022/7/19
X-Series USB Peak and Average Power Sensor	KEYSIGHT	U2021XA	MRTTWA00015	1 year	2022/3/24

EMI 測試軟體

軟體名稱	廠牌	版本
e3	Audix	9.160520a
EMI	Quietek	V3

4. 量測不確定度

電源傳導量測-電源線 (Conducted Emission- Power Line)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 0.15MHz~30MHz: $\pm 2.53\text{dB}$
輻射干擾量測 (Radiated Spurious Emission)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 9kHz~30MHz: $\pm 3.92\text{dB}$ 30MHz~1GHz: $\pm 4.25\text{dB}$ 1GHz~18GHz: $\pm 4.40\text{dB}$ 18GHz~40GHz: $\pm 4.45\text{dB}$
頻率誤差量測 (Frequency Error)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 78.4\text{Hz}$
傳導功率量測 (Conducted Power)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.84\text{dB}$
傳導干擾量測 (Conducted Spurious Emission)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 2.65\text{dB}$
佔用頻寬量測 (Occupied Bandwidth)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 3.3\%$
溫度 / 濕度 (Temp. / Humidity)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.82^\circ\text{C} / \pm 3\%$
直流電源 (DC Voltage)
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): $\pm 0.3\%$

5. 測試結果

產品名稱 AC1300 Dual Antennas High Gain Wireless USB
Adapter
型號 Archer T4U Plus

章節	量測項目	限制值	測試結果	測試數據
3.3	電源傳導	低功率射頻器材技術規範 3.3 節	符合	第 5.1 章節
4.10.1.2	峰值傳導輸出功率	$\leq 30.00\text{dBm}$	符合	第 5.2 章節
4.10.1.3	天線之要求	低功率射頻器材技術規範 4.10.1.3 節	符合	第 5.3 章節
4.10.1.5	帶外發射限制	$\leq 20\text{dBc(Peak)}$	符合	第 5.4 章節
3.6	輻射電場強度	低功率射頻器材技術規範 3.6 節	符合	第 5.5 章節
3.5	頻帶邊緣	$\leq 74\text{dBuV/m(Peak)}$ $\leq 54\text{dBuV/m(Average)}$	符合	第 5.6 章節
4.10.1.6(2)(A)	占用頻寬	$\geq 500\text{KHz}$	符合	第 5.7 章節
4.10.1.6(2)(B)	功率頻譜密度	$\leq 8\text{dBm}$	符合	第 5.8 章節

備註：符合性的判定是基於測試結果符合規範的限制值或客戶的宣告要求，測試結果的判定是不考慮測量不確定度的值。

5.1 電源傳導測試

5.1.1 量測方法

待測物放置於1m*2m*0.8m之非導體桌面並離垂直牆面40cm（落地型產品置於地上），將待測物之電源線接至電源阻抗網路器(LISN)，同時保持待測物至LISN距80公分，並將電源線多餘部份以30至40公分之八字形捆綁於電源線中央並離地40cm，於在正常工作狀態下，執行待測物之火線(Line)及地線(neutral)各一次量測。

電源端點場強之測量範圍由 0.15MHz –30MHz，所量測之讀值皆為準尖峰值(Quasi-Peak Value)及平均值(Average Value)。場強接收機之解析頻寬為9kHz。

備 註：經初測驗證過，電源端點干擾測試對測試頻道數並無差異，因此檢附其中一個測試頻道之測試數。

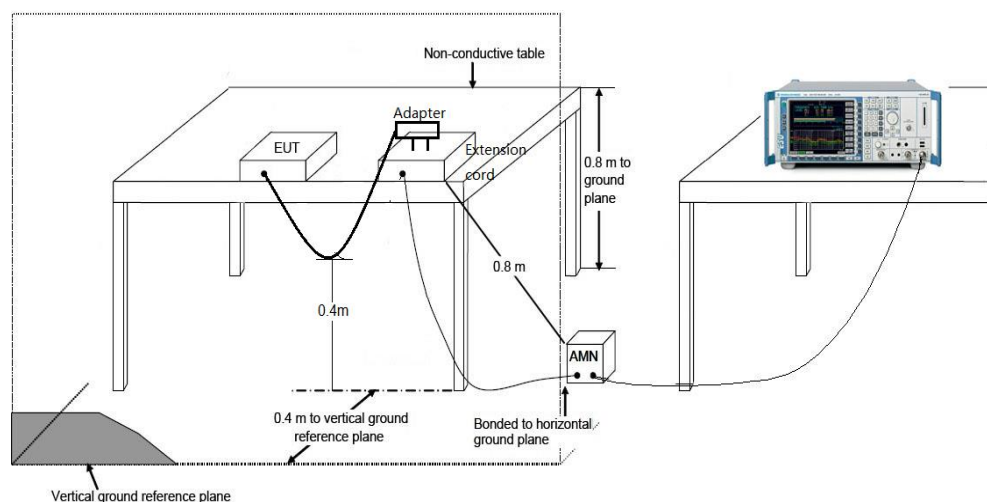
5.1.2 限制要求

以市電為電源之低功率射頻器材，其傳導回電源線上頻率自150kHz至30MHz之射頻電壓(在電源端子每一電源線對接地點)應小於或等於下表所列之限值。測量時應經過50微亨利(μH)及50歐姆(Ω)之電源線阻抗模擬網路(LISN)。頻率重疊處，以較低限值為準。

Frequency 頻率範圍 MHz	傳導限制值(dBuV)	
	準尖峰值	平均值
0.15 - 0.50	66-56 _(註)	56-46 _(註)
0.50-5.0	56	46
5.0 - 30	60	50

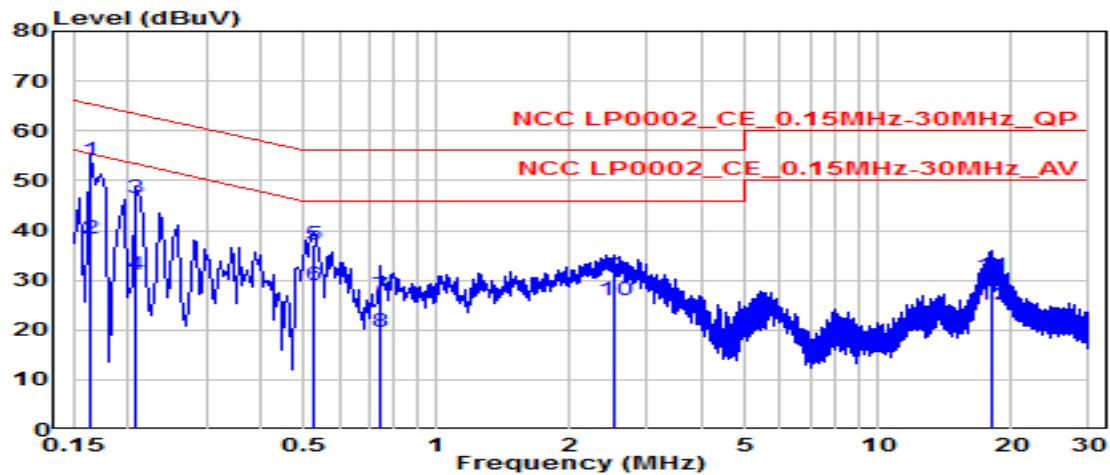
註:隨頻率之對數遞減

5.1.3 測試架構圖



5.1.4 電源端點測試結果

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-19
Factor	CE_ENV216-L1 (Filter ON)	Temp. / Humidity	25.5°C /66%
Polarity	Line1	Site / Test Engineer	SR2 / Dean
Test Mode	802.11n20_TX_CH6_Ant 0	Test Voltage	AC 110V/60Hz

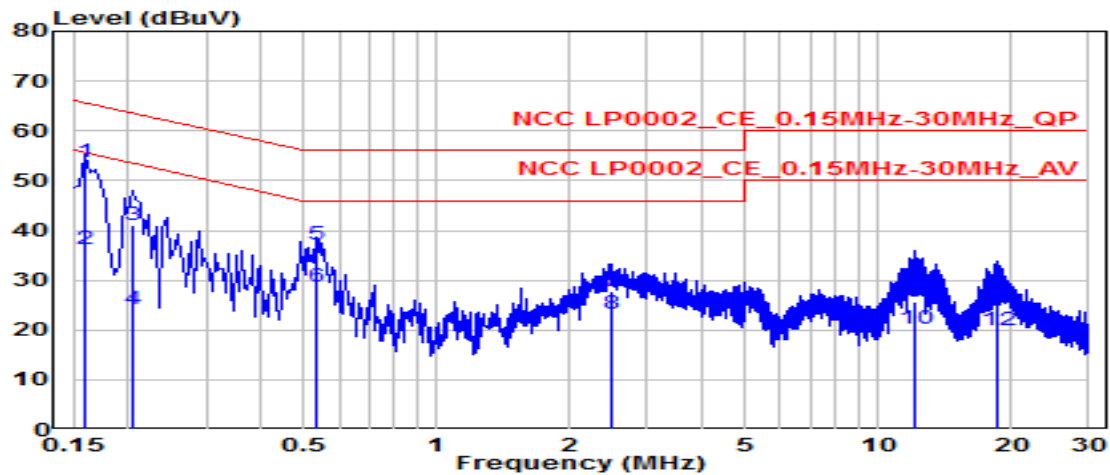


No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	0.163	44.34	9.61	53.95	-11.33	65.28	QP
2	*	0.163	28.71	9.61	38.32	-16.97	55.28	Average
3		0.208	36.73	9.61	46.34	-16.92	63.27	QP
4		0.208	21.51	9.61	31.12	-22.15	53.27	Average
5		0.523	27.59	9.63	37.22	-18.78	56.00	QP
6		0.523	19.41	9.63	29.05	-16.95	46.00	Average
7		0.748	17.17	9.65	26.81	-29.19	56.00	QP
8		0.748	10.00	9.65	19.64	-26.36	46.00	Average
9		2.521	20.98	9.70	30.68	-25.32	56.00	QP
10		2.521	16.15	9.70	25.85	-20.15	46.00	Average
11		18.103	20.87	9.96	30.82	-29.18	60.00	QP
12		18.103	15.24	9.96	25.19	-24.81	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-19
Factor	CE_ENV216-N (Filter ON)	Temp. / Humidity	25.5°C /66%
Polarity	Neutral	Site / Test Engineer	SR2 / Dean
Test Mode	802.11n20_TX_CH6_Ant 0	Test Voltage	AC 110V/60Hz



No		Frequency (MHz)	Reading (dBuV)	C.F (dB)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Remark (QP/PK/AV)
1	*	0.159	44.01	9.62	53.63	-11.88	65.52	QP
2	*	0.159	26.49	9.62	36.11	-19.40	55.52	Average
3		0.204	31.56	9.61	41.17	-22.27	63.45	QP
4		0.204	14.45	9.61	24.06	-29.38	53.45	Average
5		0.532	27.55	9.64	37.19	-18.81	56.00	QP
6		0.532	19.14	9.64	28.78	-17.22	46.00	Average
7		2.494	18.11	9.70	27.81	-28.19	56.00	QP
8		2.494	13.49	9.70	23.19	-22.81	46.00	Average
9		12.074	15.70	9.92	25.62	-34.38	60.00	QP
10		12.074	10.17	9.92	20.09	-29.91	50.00	Average
11		18.517	15.37	10.02	25.40	-34.60	60.00	QP
12		18.517	9.88	10.02	19.90	-30.10	50.00	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).

5.2 峰值傳導輸出功率

5.2.1 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大於6dB發射頻寬或使用峰值功率表。除使用上述測量方式外，並得使用以最大傳導輸出功率作為測量方式。

5.2.2 限制要求

操作於2400-2483.5 MHz之跳頻或數位調變的發射器材與5725-5850 MHz之跳頻發射器材：1W(含)以下，當跳頻系統符合國家通訊傳播委員會低功率射頻器材技術規範之第4.10.1.6(1)(A)(a)節，其限制值為0.125 W(含)以下。

若用於非固定式點對點操作時，若其發射天線之方向性增益超過6dBi，應依所超過之dB數等量降低峰值輸出功率。如用於固定式點對點(註)操作時，應符合下列情形之一：

- (1)操作於2400-2483.5兆赫(MHz)者，其發射天線之方向性增益超過6dBi，應於每超過3dB降低1dB之峰值輸出功率。
- (2) 操作於5725-5850兆赫(MHz)者，其發射天線之方向性增益超過6dBi，不需降低峰值輸出功率。

5.2.3 測試架構圖



5.2.4 峰值傳導輸出功率測試結果

待測物名稱	AC1300 Dual Antennas High Gain Wireless USB Adapter	測試日期	2021/12/23
待測物型號	Archer T4U Plus	溫度 / 濕度	23°C / 55%
測試場地 / 測試工程師	SR5 / Eric		

2.4GHz 802.11b RF Output Power (dBm) SISO Ant 0						
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)				Required Limit
		1	2	5.5	11	
01	2412	19.77	--	--	--	1Watt= 30 dBm
02	2417	19.73	--	--	--	1Watt= 30 dBm
06	2437	20.25	20.20	20.00	19.85	1Watt= 30 dBm
10	2457	19.97	--	--	--	1Watt= 30 dBm
11	2462	19.93	--	--	--	1Watt= 30 dBm

2.4GHz 802.11g RF Output Power (dBm) SISO Ant 0										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		6	9	12	18	24	36	48	54	
01	2412	17.68	--	--	--	--	--	--	--	1Watt= 30 dBm
02	2417	20.23	--	--	--	--	--	--	--	1Watt= 30 dBm
06	2437	20.03	20.00	19.80	19.62	19.55	19.51	19.00	18.78	1Watt= 30 dBm
10	2457	19.75	--	--	--	--	--	--	--	1Watt= 30 dBm
11	2462	18.60	--	--	--	--	--	--	--	1Watt= 30 dBm

備 註： 1. 此項量測係採 Power Meter。

2. 此量測值已含工作週期因子及線材損耗(Cable Loss=1dB)

2.4GHz 802.11n-20M RF Output Power (dBm) MIMO Ant 0										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
01	2412	17.16	--	--	--	--	--	--	--	1Watt= 30 dBm
02	2417	19.87	--	--	--	--	--	--	--	1Watt= 30 dBm
06	2437	19.22	19.11	19.00	18.98	18.86	18.81	18.77	18.61	1Watt= 30 dBm
10	2457	19.51	--	--	--	--	--	--	--	1Watt= 30 dBm
11	2462	16.21	--	--	--	--	--	--	--	1Watt= 30 dBm
2.4GHz 802.11n-20M RF Output Power (dBm) MIMO Ant 1										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
01	2412	16.66	--	--	--	--	--	--	--	1Watt= 30 dBm
02	2417	20.21	--	--	--	--	--	--	--	1Watt= 30 dBm
06	2437	20.08	20.02	20.00	19.91	19.88	19.70	17.62	19.51	1Watt= 30 dBm
10	2457	20.10	--	--	--	--	--	--	--	1Watt= 30 dBm
11	2462	17.43	--	--	--	--	--	--	--	1Watt= 30 dBm
2.4GHz 802.11n-20M RF Output Power (dBm) MIMO Ant 0+1										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
01	2412	19.93	--	--	--	--	--	--	--	1Watt= 30 dBm
02	2417	23.05	--	--	--	--	--	--	--	1Watt= 30 dBm
06	2437	22.68	22.60	22.54	22.48	22.41	22.29	21.24	22.09	1Watt= 30 dBm
10	2457	22.83	--	--	--	--	--	--	--	1Watt= 30 dBm
11	2462	19.87	--	--	--	--	--	--	--	1Watt= 30 dBm

備 註： 1. 此項量測係採 Power Meter。

2. 此量測值已含工作週期因子及線材損耗(Cable Loss=1dB)

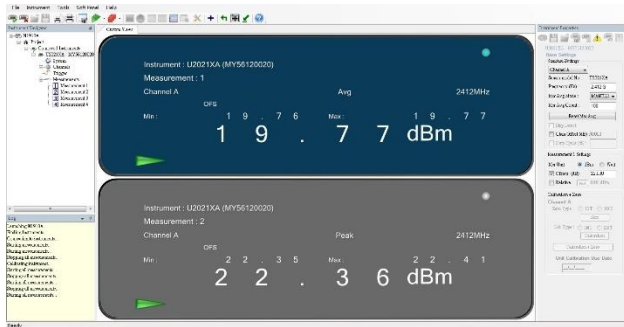
2.4GHz 802.11n-40M RF Output Power (dBm) MIMO Ant 0										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
03	2422	15.68	--	--	--	--	--	--	--	1Watt= 30 dBm
04	2427	15.61	--	--	--	--	--	--	--	1Watt= 30 dBm
06	2437	17.37	17.15	16.94	16.82	16.62	16.50	16.44	16.35	1Watt= 30 dBm
08	2447	15.12	--	--	--	--	--	--	--	1Watt= 30 dBm
09	2452	14.97	--	--	--	--	--	--	--	1Watt= 30 dBm
2.4GHz 802.11n-40M RF Output Power (dBm) MIMO Ant 1										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
03	2422	14.35	--	--	--	--	--	--	--	1Watt= 30 dBm
04	2427	14.94	--	--	--	--	--	--	--	1Watt= 30 dBm
06	2437	16.37	16.15	16.02	15.89	15.76	15.68	15.62	15.51	1Watt= 30 dBm
08	2447	14.57	--	--	--	--	--	--	--	1Watt= 30 dBm
09	2452	13.83	--	--	--	--	--	--	--	1Watt= 30 dBm
2.4GHz 802.11n-40M RF Output Power (dBm) MIMO Ant 0+1										
Channel No.	Frequency (MHz)	Average Power For different Data Rate (Mbps)								Required Limit
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7	
03	2422	18.08	--	--	--	--	--	--	--	1Watt= 30 dBm
04	2427	18.30	--	--	--	--	--	--	--	1Watt= 30 dBm
06	2437	19.91	19.69	19.51	19.39	19.22	19.12	19.06	18.96	1Watt= 30 dBm
08	2447	17.86	--	--	--	--	--	--	--	1Watt= 30 dBm
09	2452	17.45	--	--	--	--	--	--	--	1Watt= 30 dBm

備 註： 1. 此項量測係採 Power Meter。

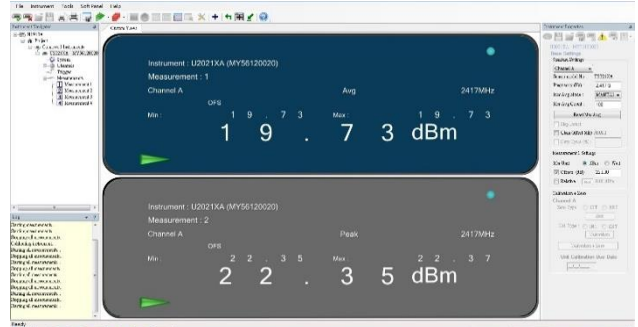
2. 此量測值已含工作週期因子及線材損耗(Cable Loss=1dB)

Antenna Port 0

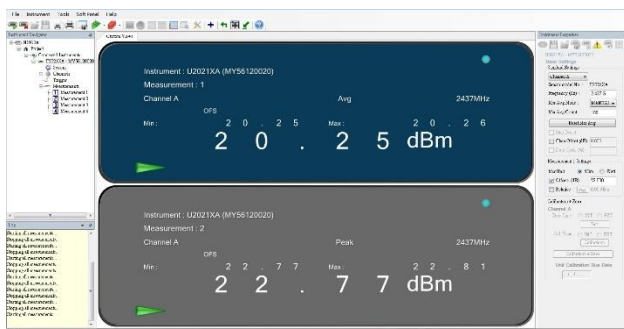
802.11 b CH01 (2412MHz) (1Mbps)



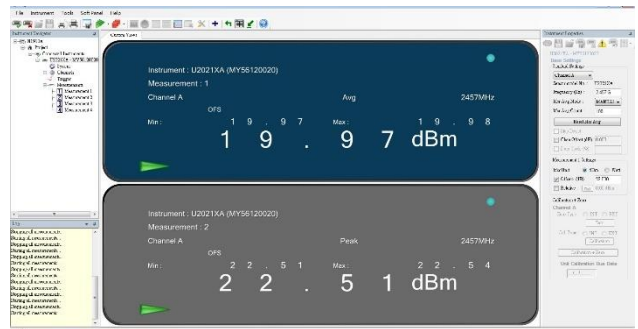
802.11 b CH02 (2417MHz) (1Mbps)



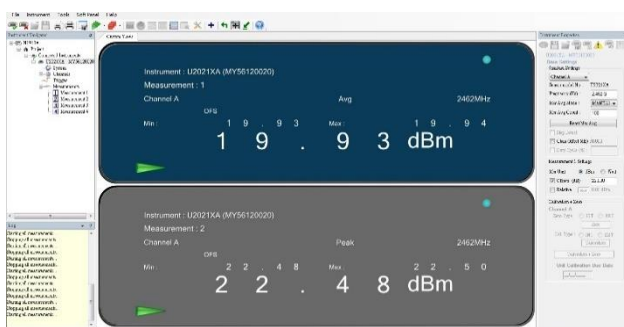
802.11 b CH06 (2437MHz) (1Mbps)



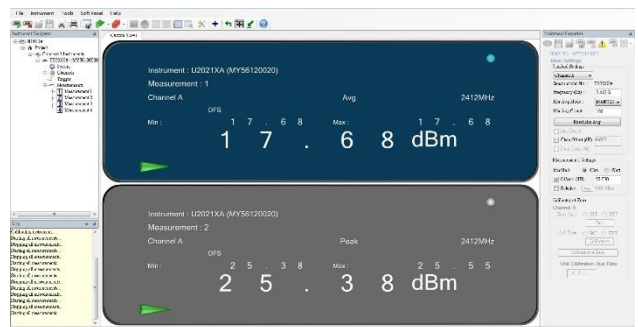
802.11 b CH10 (2457MHz) (1Mbps)



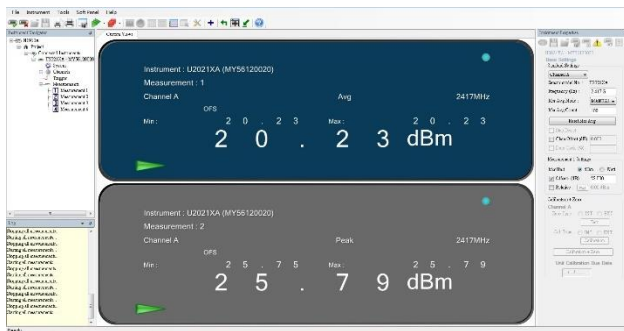
802.11 b CH11 (2462MHz) (1Mbps)



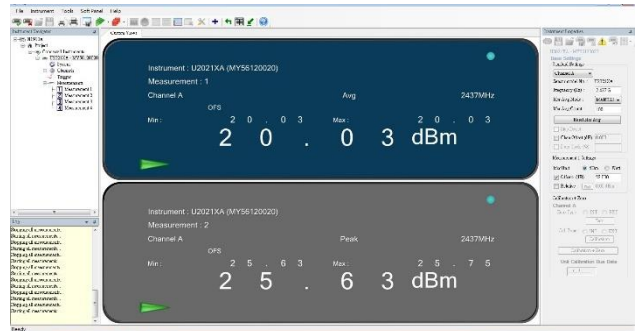
802.11 g CH01 (2412MHz) (6Mbps)



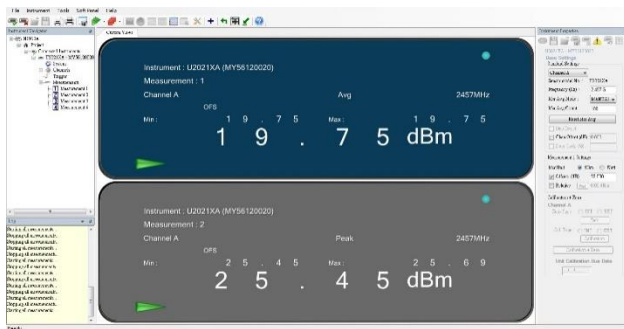
802.11 g CH02 (2417MHz) (6Mbps)



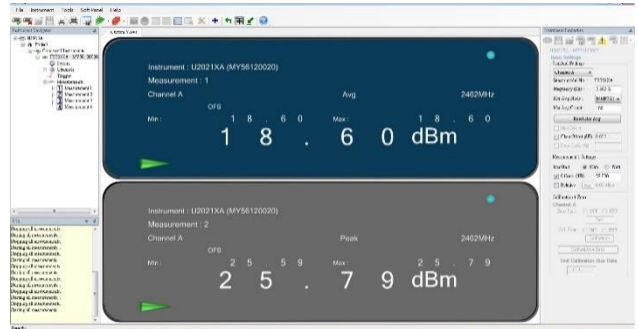
802.11 g CH06 (2437MHz) (6Mbps)



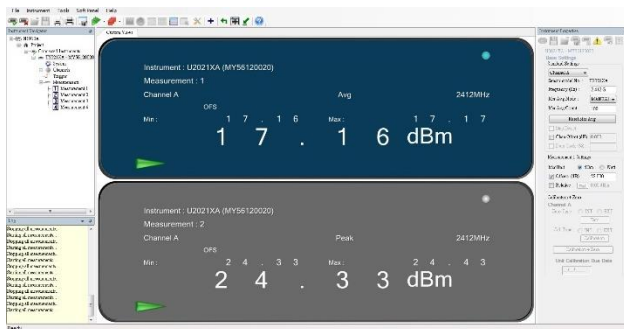
802.11 g CH10 (2457MHz) (6Mbps)



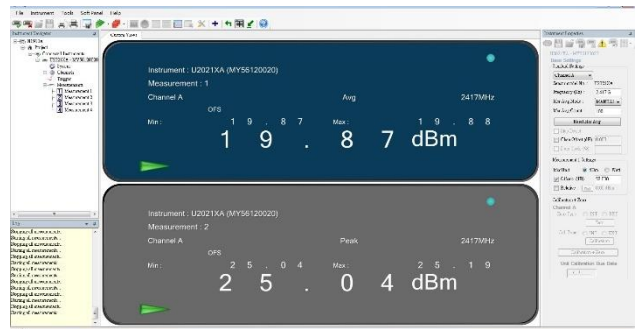
802.11 g CH11 (2462MHz) (6Mbps)



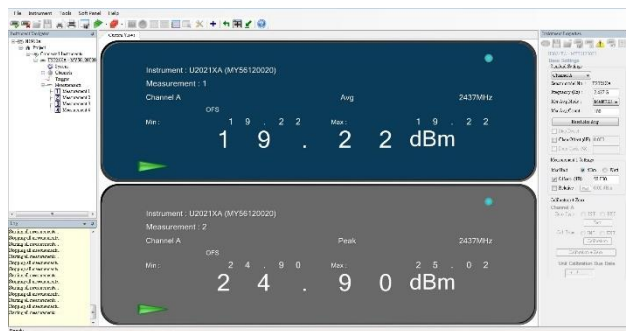
802.11 n20 CH01 (2412MHz) (MCS0)



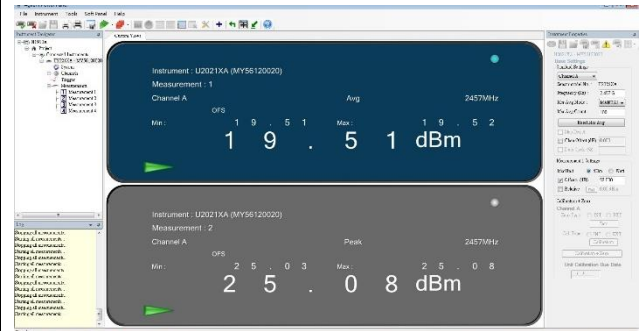
802.11 n20 CH02 (2417MHz) (MCS0)



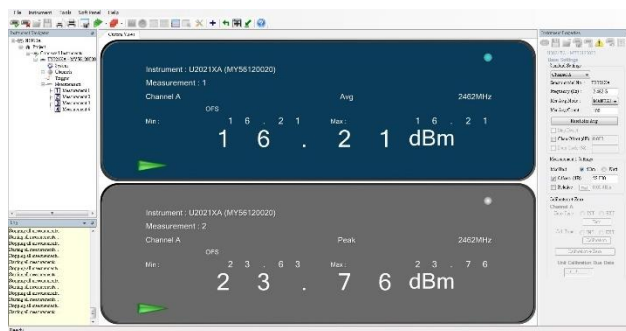
802.11 n20 CH06 (2437MHz) (MCS0)



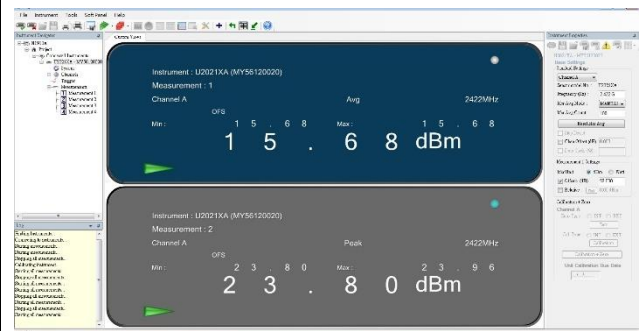
802.11 n20 CH10 (2457MHz) (MCS0)



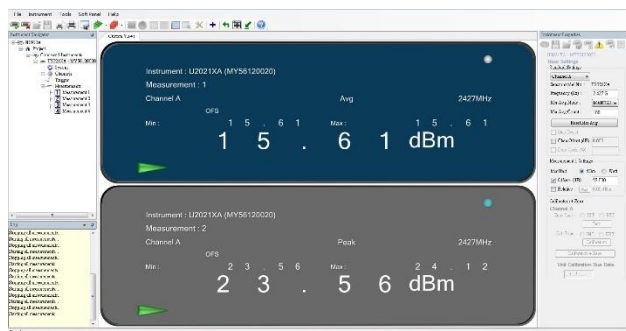
802.11 n20 CH11 (2462MHz) (MCS0)



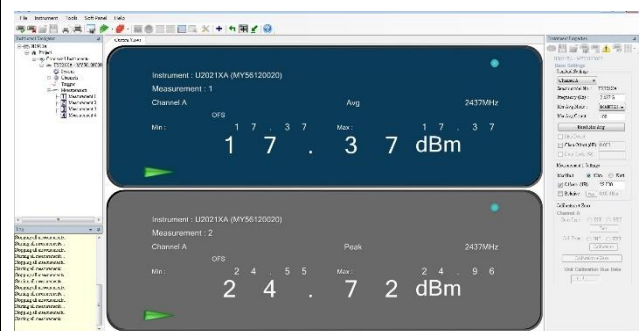
802.11 n40 CH03 (2422MHz) (MCS0)



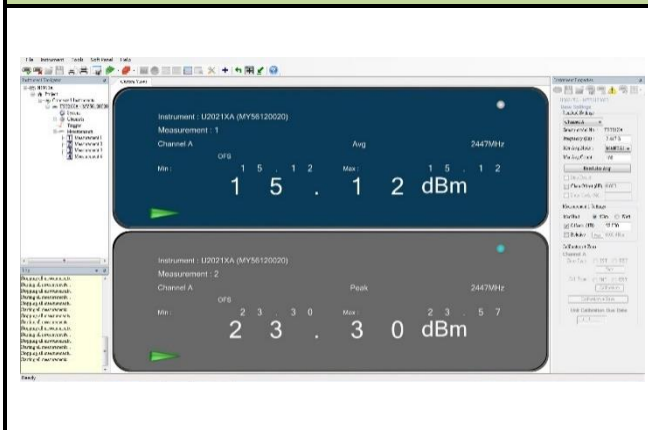
802.11 n40 CH04 (2427MHz) (MCS0)



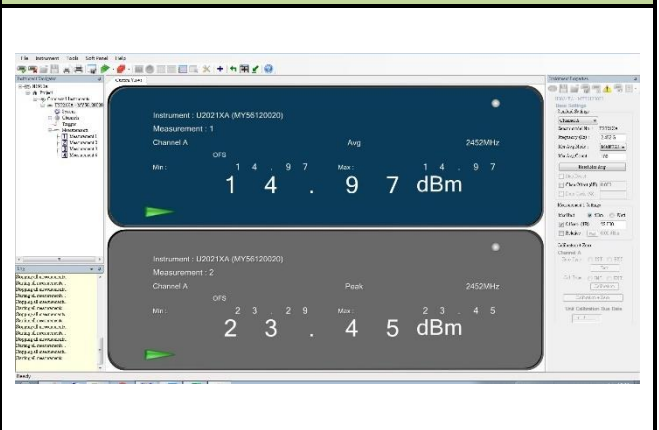
802.11 n40 CH06 (2437MHz) (MCS0)



802.11 n40 CH08 (2447MHz) (MCS0)

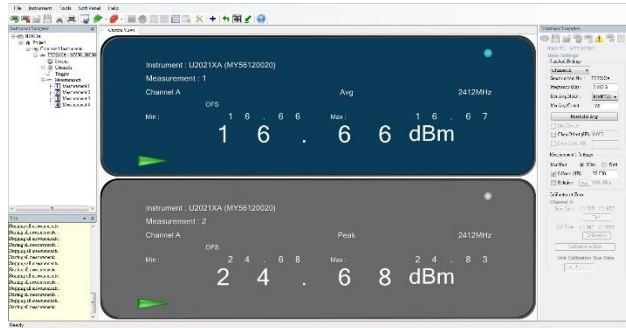


802.11 n40 CH09 (2452MHz) (MCS0)

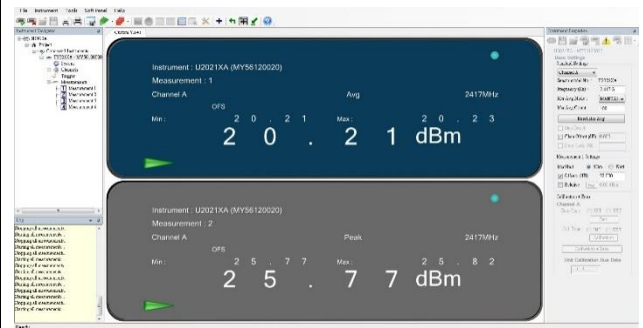


Antenna Port 1

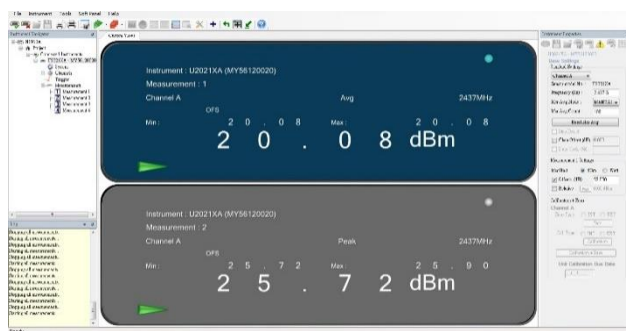
802.11 n20 CH01 (2412MHz) (MCS0)



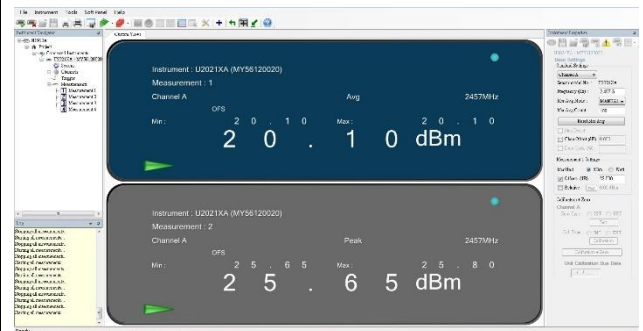
802.11 n20 CH02 (2417MHz) (MCS0)



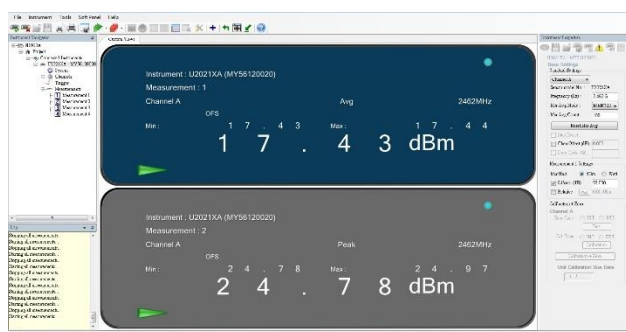
802.11 n20 CH06 (2437MHz) (MCS0)



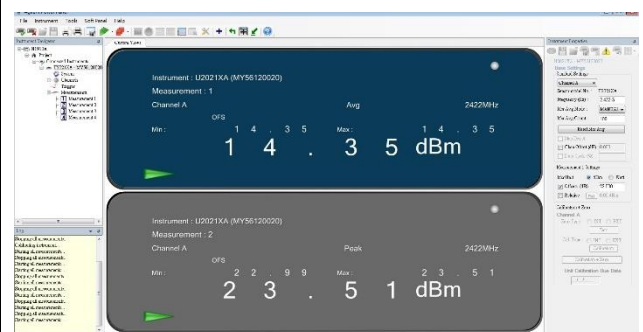
802.11 n20 CH10 (2457MHz) (MCS0)



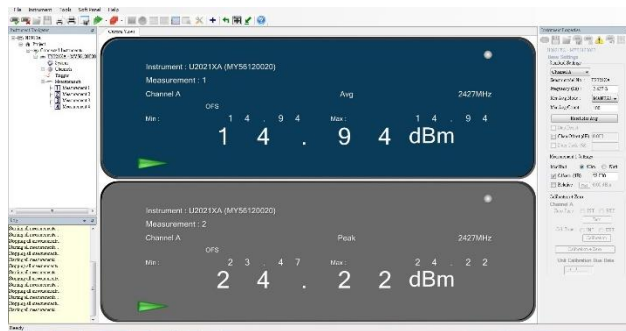
802.11 n20 CH11 (2462MHz) (MCS0)



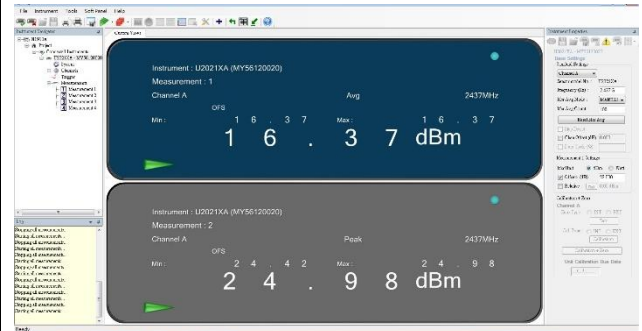
802.11 n40 CH03 (2422MHz) (MCS0)



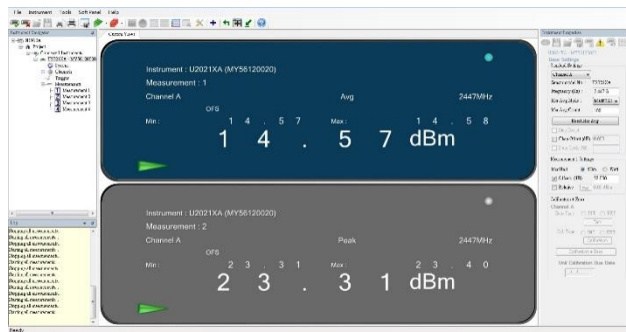
802.11 n40 CH04 (2427MHz) (MCS0)



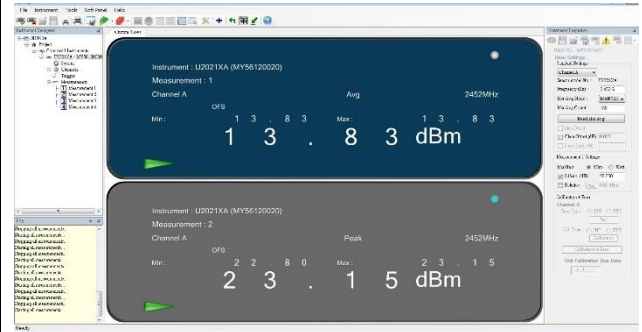
802.11 n40 CH06 (2437MHz) (MCS0)



802.11 n40 CH08 (2447MHz) (MCS0)



802.11 n40 CH09 (2452MHz) (MCS0)



5.3 天線之要求

5.3.1 限制要求

依據國家通訊傳播委員會低功率射頻器材技術規範之第4.10.1.4節規定，天線之規格可不受下述規定之限制。

低功率射頻器材之發射機或收發信機所使用之天線，應為全固定、半固定式或以獨特之耦合(unique coupling)方式連接機體。製造者可設計供使用者因損壞而替換之天線，但不得設計或使用原認證以外之天線或可供引接各類電纜之標準天線插座或電氣連接頭，如：BNC、F type、N type、M type、UG type、RCA、SMA、SMB...等及其他各類工業或通訊標準接頭。

5.3.2 天線樣式

此 AC1300 Dual Antennas High Gain Wireless USB Adapter 其天線為 Dipole Antenna Type，(檢附天線規格書)

Antenna List

(Brand: tp-link, M/N: 3101503200)，(檢附天線規格書)

Antenna Type	Frequency	TX Paths	Max Antenna Gain (dBi)	CDD Directional Gain (dBi)	
	Band (MHz)			For Power	For PSD
Wi-Fi External Antenna					
Antenna	2412 ~ 2462	2	3.00	3.00	6.01
	5150 ~ 5250	2	4.46	4.46	7.47
	5250 ~ 5350	2	4.96	4.96	7.97
	5470 ~ 5725	2	4.56	4.56	7.57
	5725 ~ 5850	2	4.35	4.35	7.36

Note 1: The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.

If all antennas have the same gain, G_{ANT} , Directional gain = G_{ANT} + Array Gain, where Array Gain is as follows.

- For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log (N_{ANT} / N_{SS})$ dB;
- For power measurements on IEEE 802.11 devices,
Array Gain = 0 dB for $N_{ANT} \leq 4$;

Note 2: All information declared by manufacturer.

5.4 帶外發射限制

5.4.1 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，

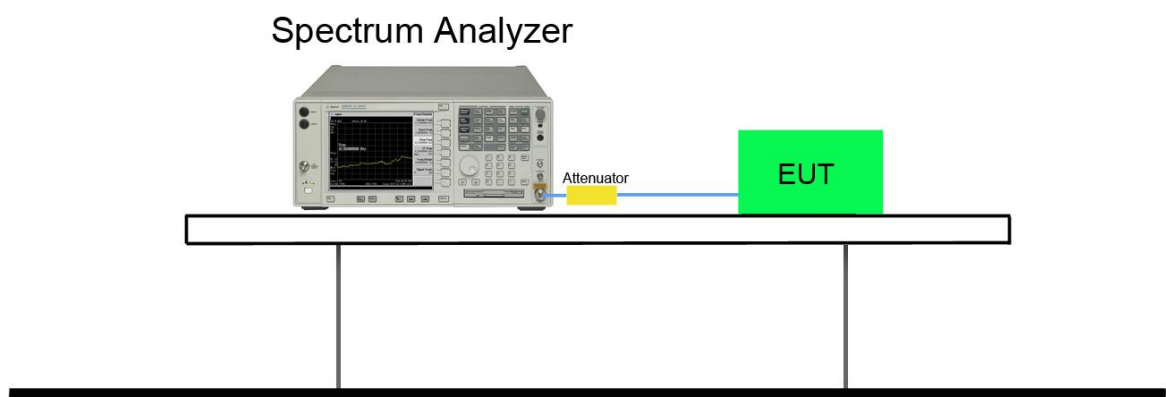
- (1) 頻率掃描範圍足以檢測頻帶內的發射波峰位準以及由受測物產生之最低頻率到第 10 次諧波的所有混附發射，通常需要分幾段以涵蓋全部頻率範圍。
- (2) 解析頻寬為 100 kHz，視訊頻寬不小於解析頻寬。
- (3) 掃描時間為自動，檢波功能為峰值，訊號軌跡為最大保留(Max Hold)
- (4) 將標記設定於任何欲紀錄之波峰上，所顯示之位準值必須符合指定之限制值。

5.4.2 限制要求

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器材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)輸出功率以數位調變技術系統之最大傳導輸出功率量測方式者，至少須衰減 30 dB。
- (3)若落於禁用頻段之輻射發射，應符合低功率射頻器材技術規範第 3.6 節之規定。

5.4.3 測試架構圖

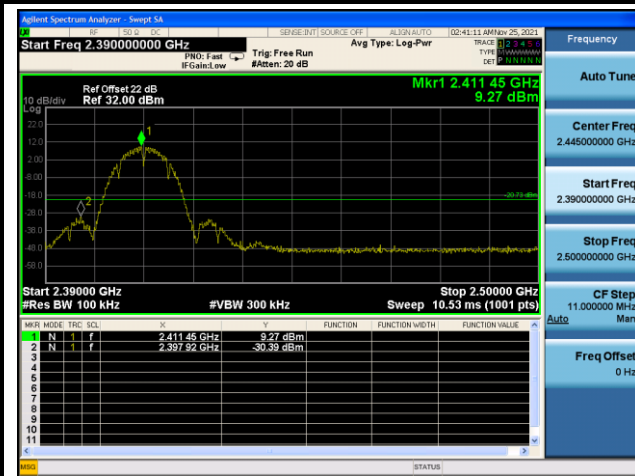


5.4.4 帶外輻射測試結果

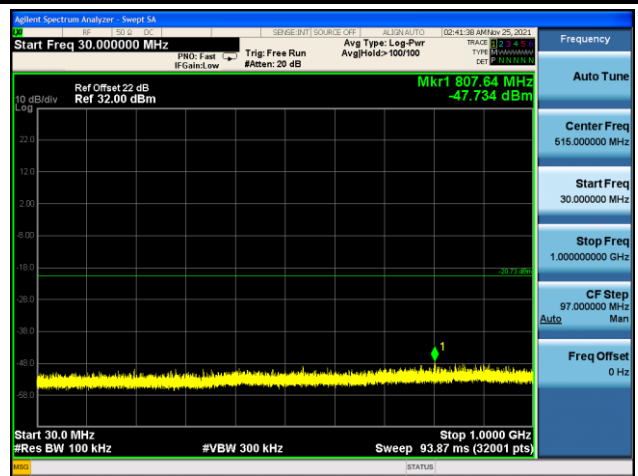
Test Mode	Channel No.	Frequency (MHz)	Limit	Result
Ant 0				
802.11b_SISO	01	2412	20dBc	Pass
802.11b_SISO	06	2437	20dBc	Pass
802.11b_SISO	11	2462	20dBc	Pass
802.11g_SISO	01	2412	20dBc	Pass
802.11g_SISO	06	2437	20dBc	Pass
802.11g_SISO	11	2462	20dBc	Pass
802.11n-20M_MIMO	01	2412	20dBc	Pass
802.11n-20M_MIMO	06	2437	20dBc	Pass
802.11n-20M_MIMO	11	2462	20dBc	Pass
802.11n-40M_MIMO	03	2422	20dBc	Pass
802.11n-40M_MIMO	06	2437	20dBc	Pass
802.11n-40M_MIMO	09	2452	20dBc	Pass

Test Mode	Channel No.	Frequency (MHz)	Limit	Result
Ant 1				
802.11n-20M_MIMO	01	2412	20dBc	Pass
802.11n-20M_MIMO	06	2437	20dBc	Pass
802.11n-20M_MIMO	11	2462	20dBc	Pass
802.11n-40M_MIMO	03	2422	20dBc	Pass
802.11n-40M_MIMO	06	2437	20dBc	Pass
802.11n-40M_MIMO	09	2452	20dBc	Pass

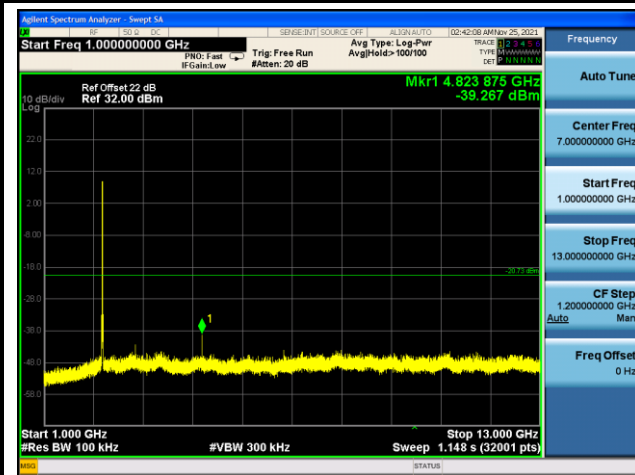
802.11 b CH01 (2412MHz) Ant 0



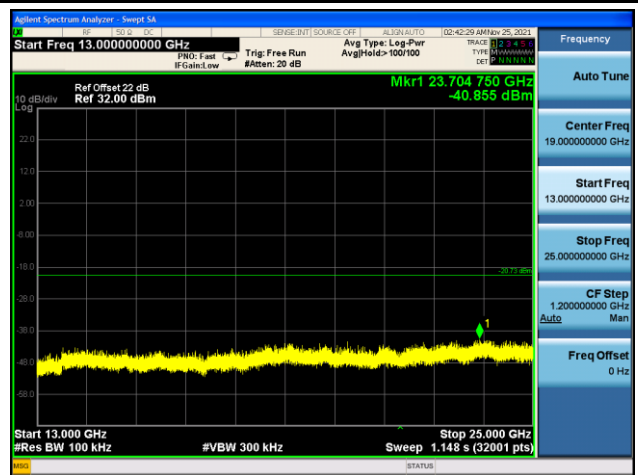
802.11 b CH01 (2412MHz) Ant 0



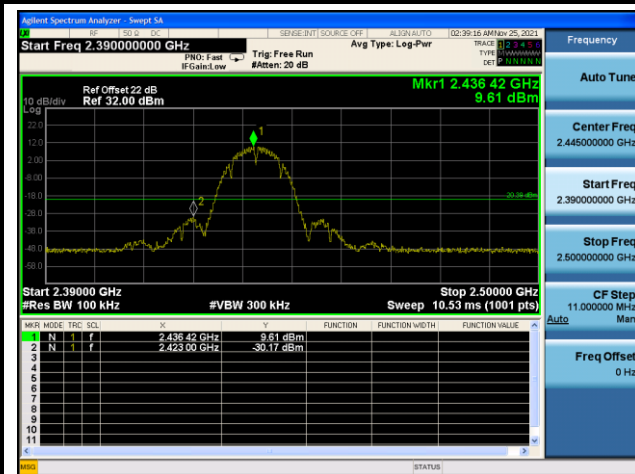
802.11 b CH01 (2412MHz) Ant 0



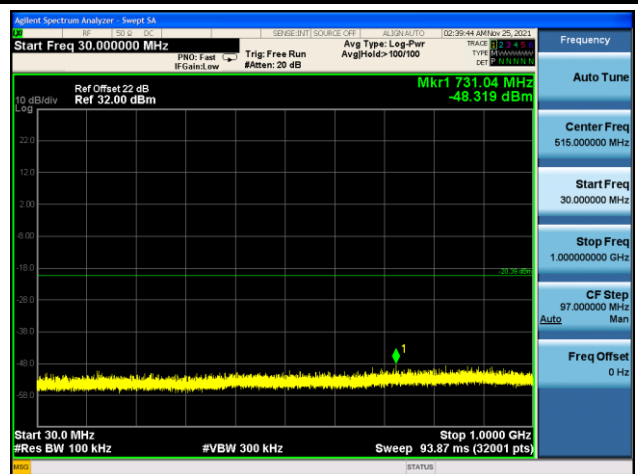
802.11 b CH01 (2412MHz) Ant 0



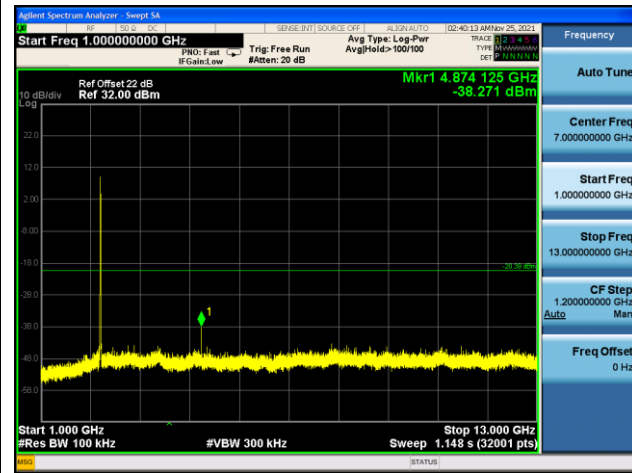
802.11 b CH06 (2437MHz) Ant 0



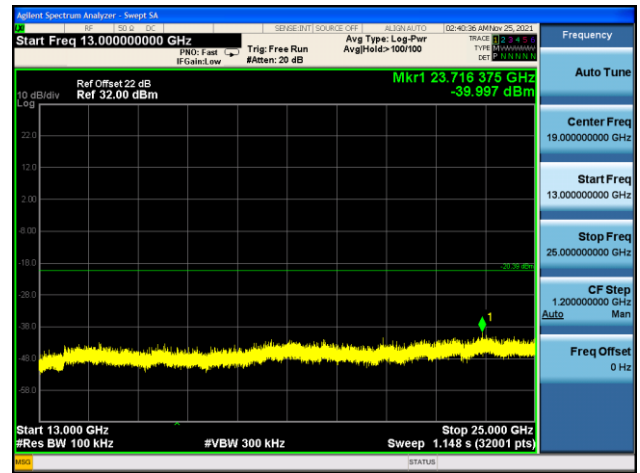
802.11 b CH06 (2437MHz) Ant 0



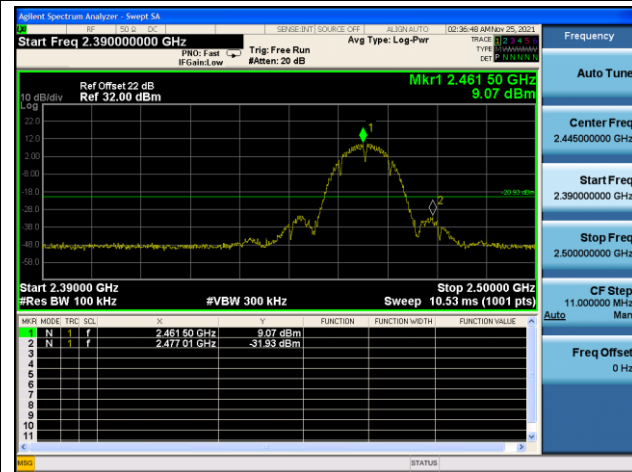
802.11 b CH06 (2437MHz) Ant 0



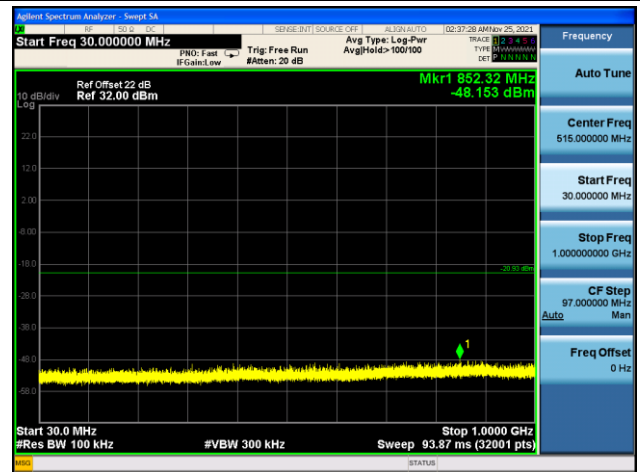
802.11 b CH06 (2437MHz) Ant 0



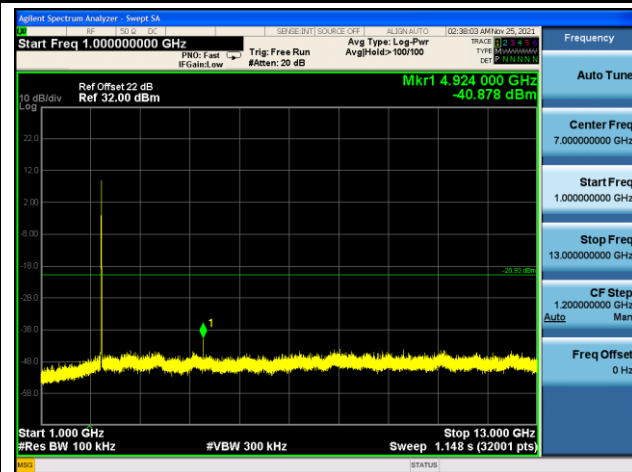
802.11 b CH11 (2462MHz) Ant 0



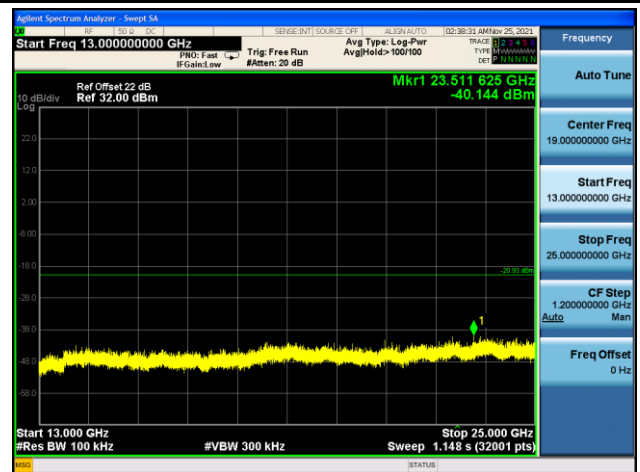
802.11 b CH11 (2462MHz) Ant 0



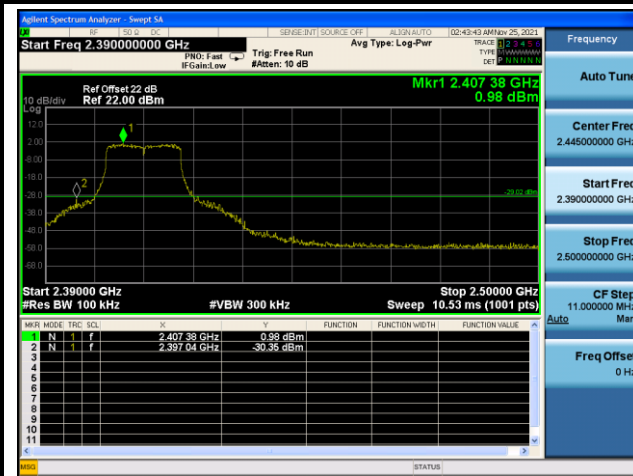
802.11 b CH11 (2462MHz) Ant 0



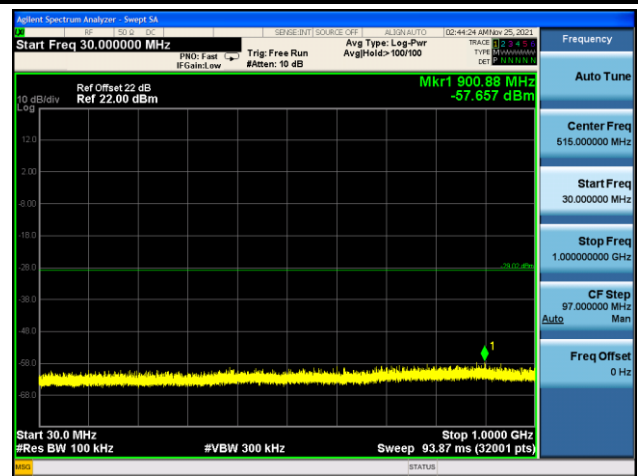
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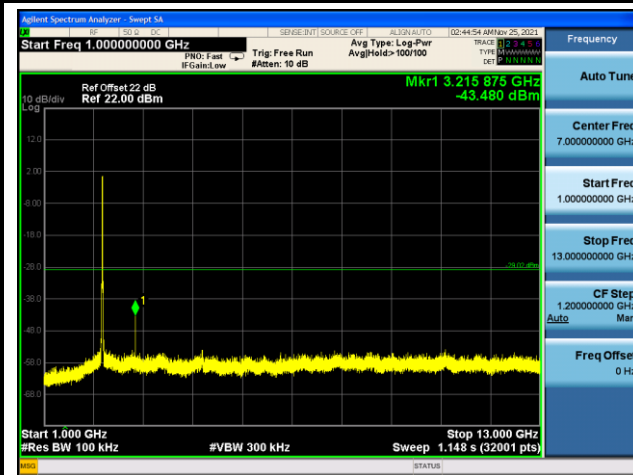
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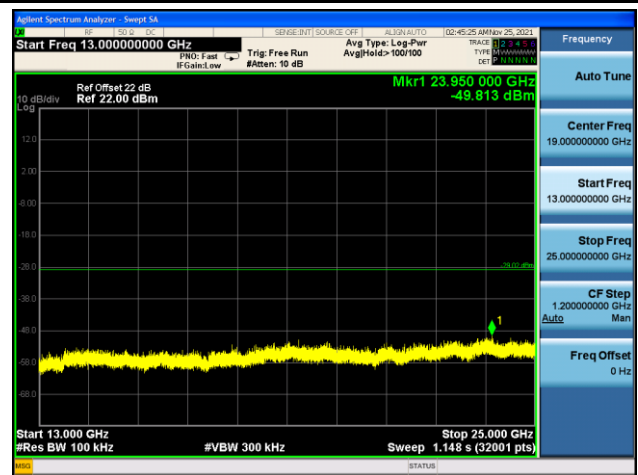
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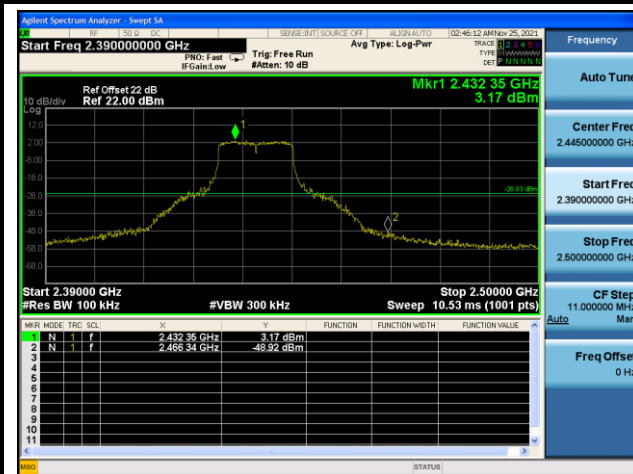
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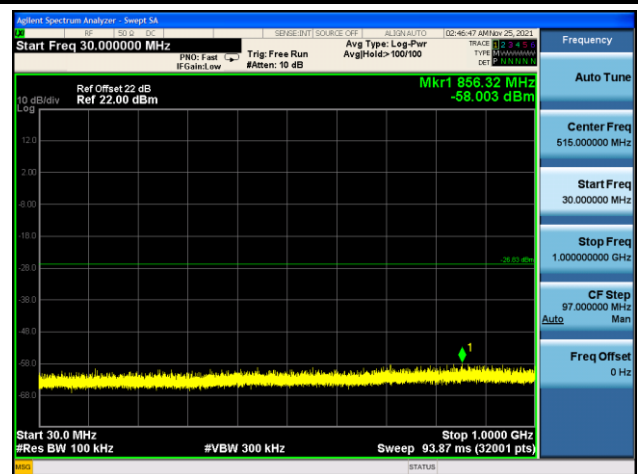
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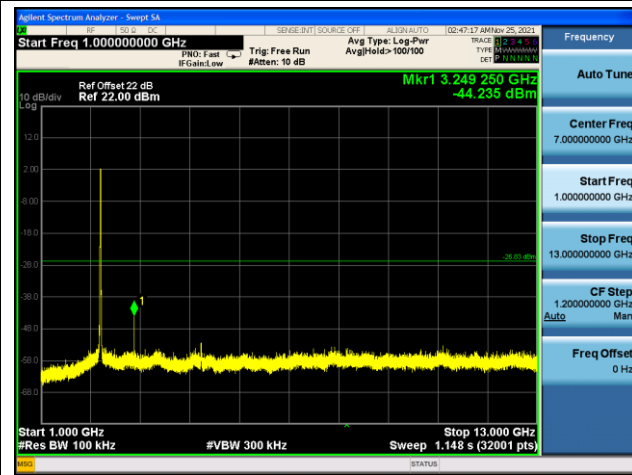
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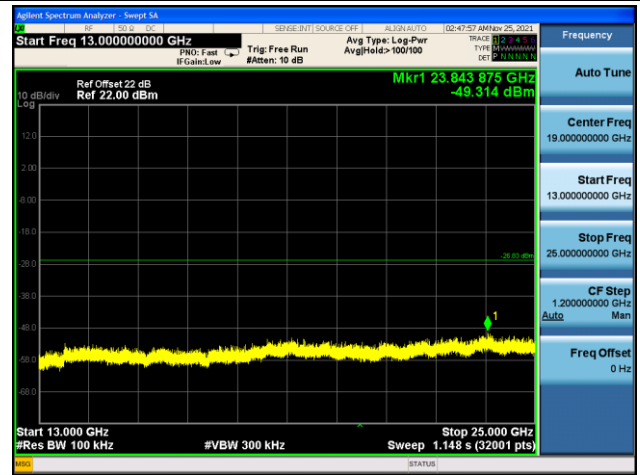
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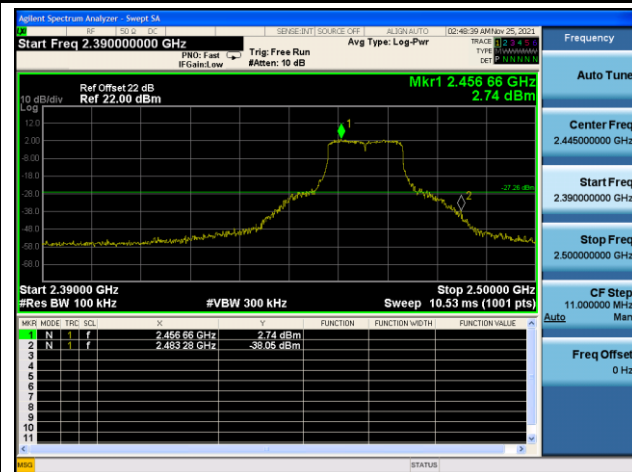
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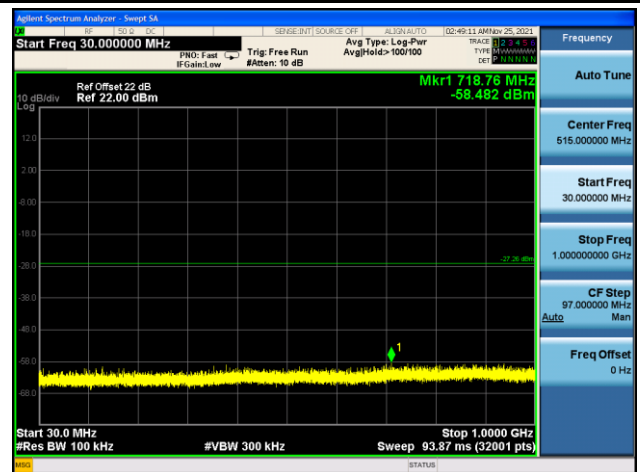
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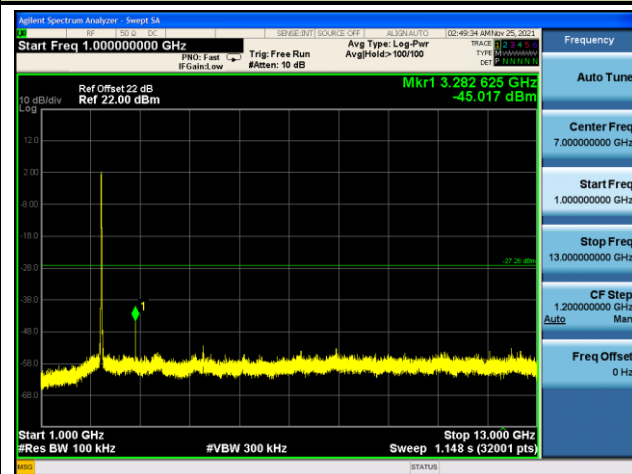
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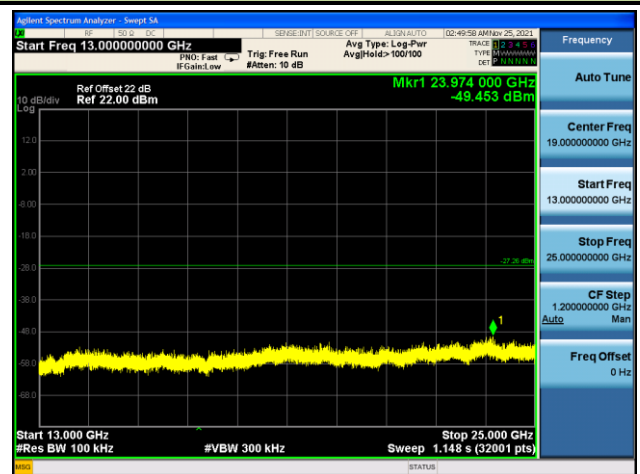
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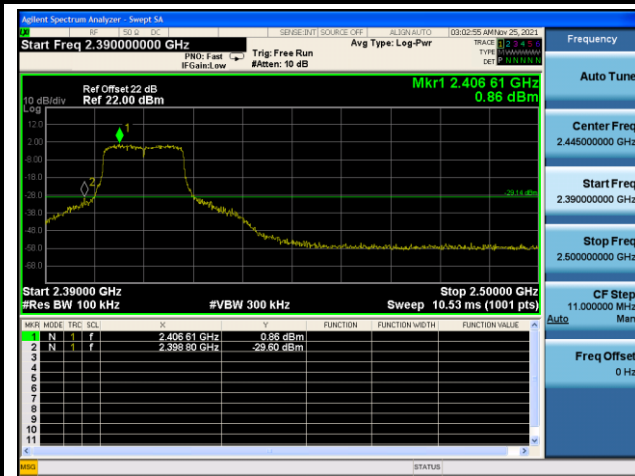
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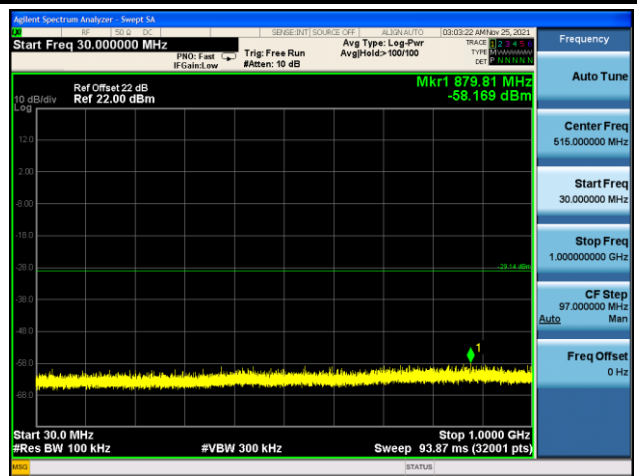
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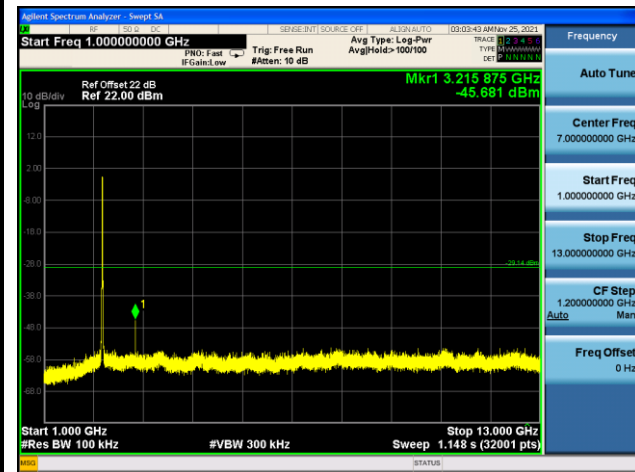
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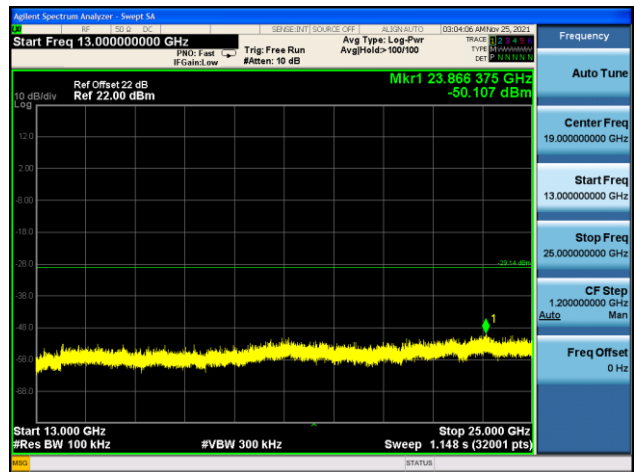
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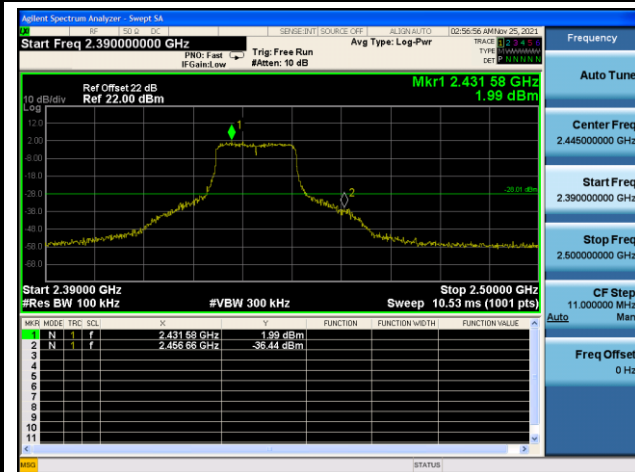
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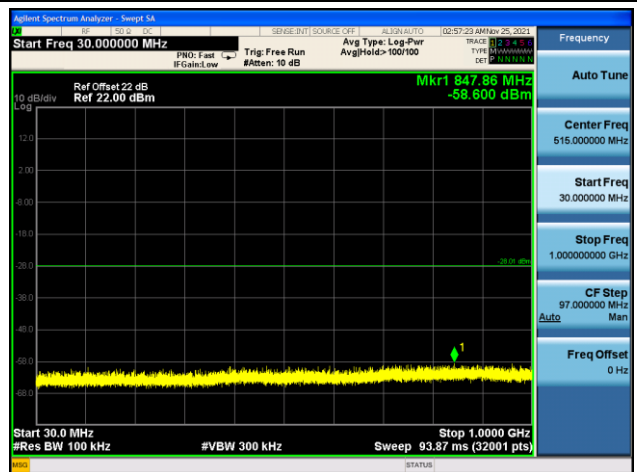
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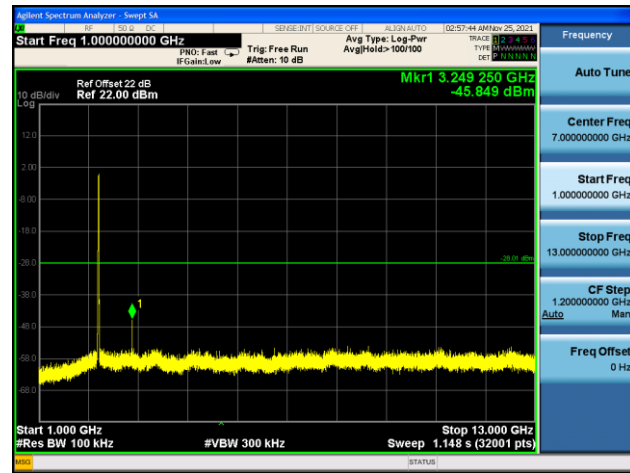
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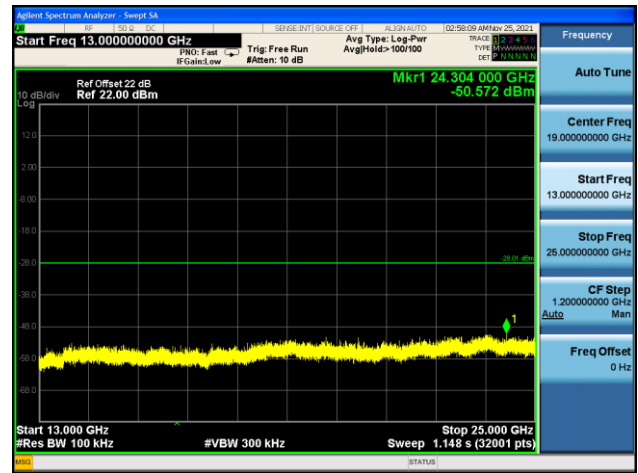
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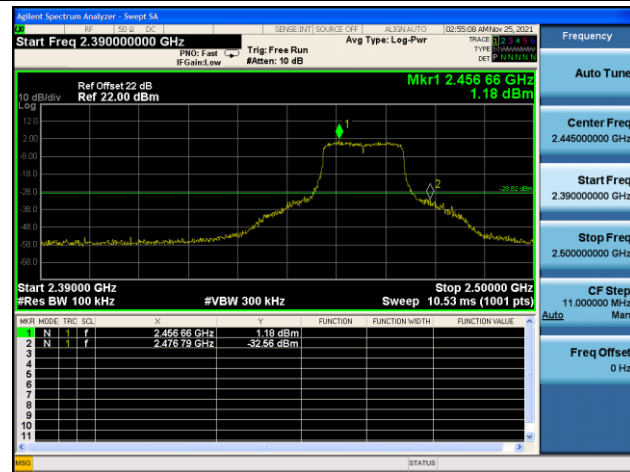
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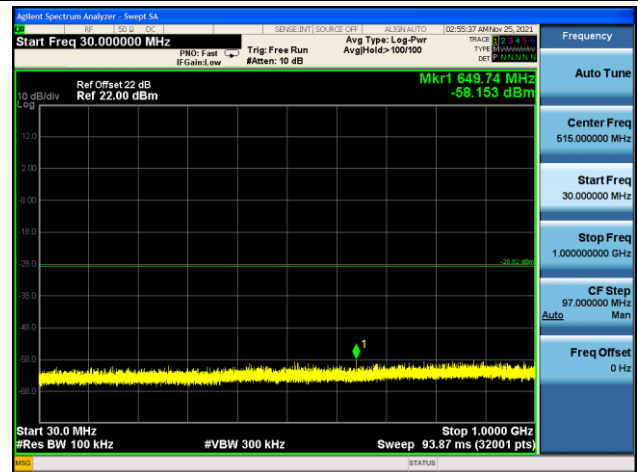
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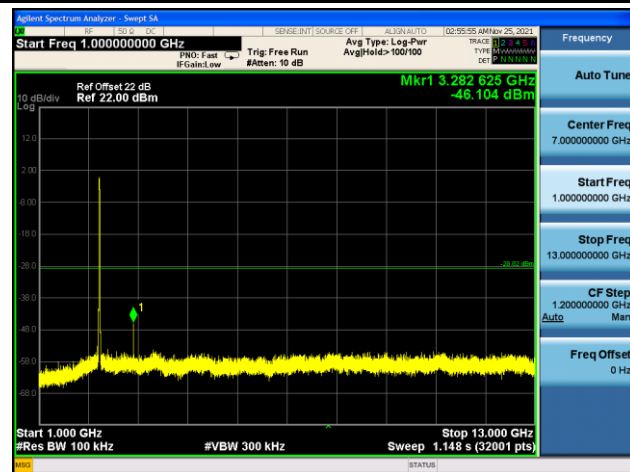
802.11 n20 CH11 (2462MHz) Ant 0



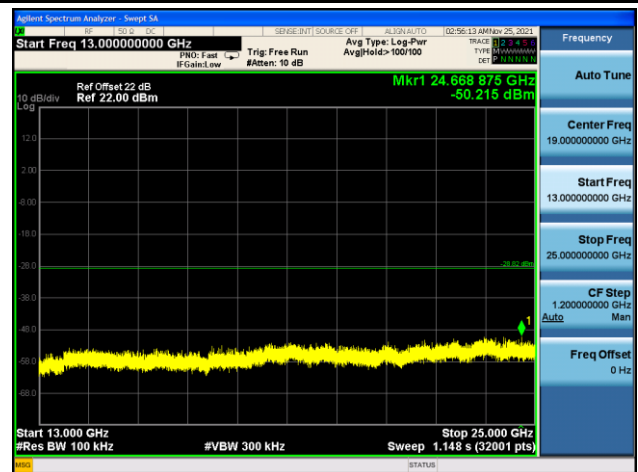
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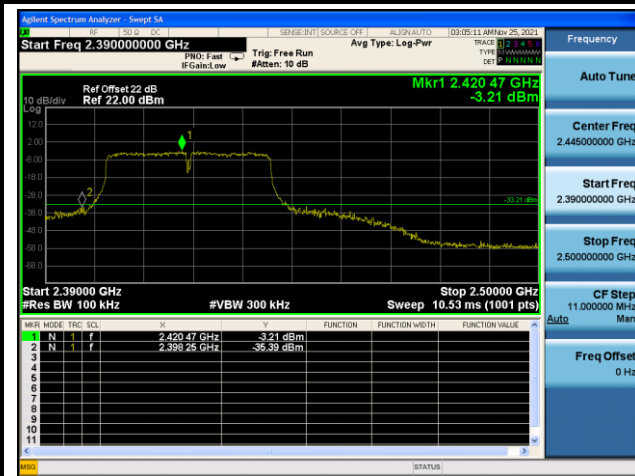
802.11 n20 CH11 (2462MHz) Ant 0



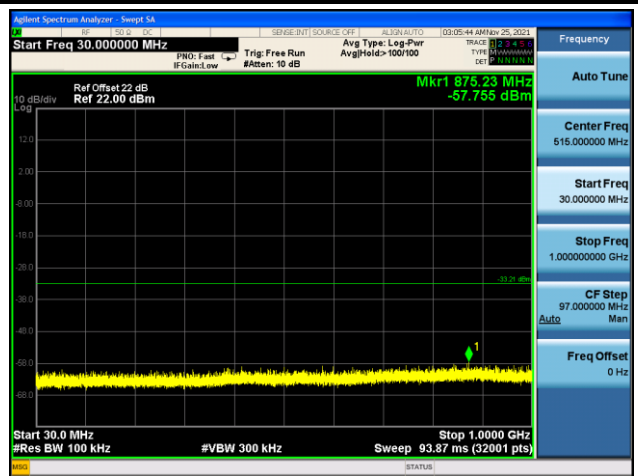
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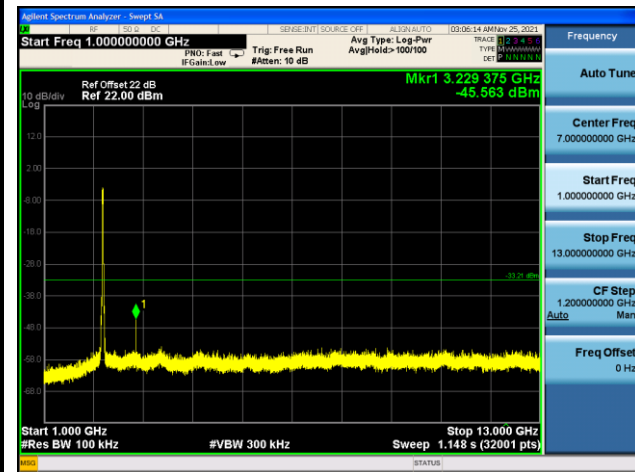
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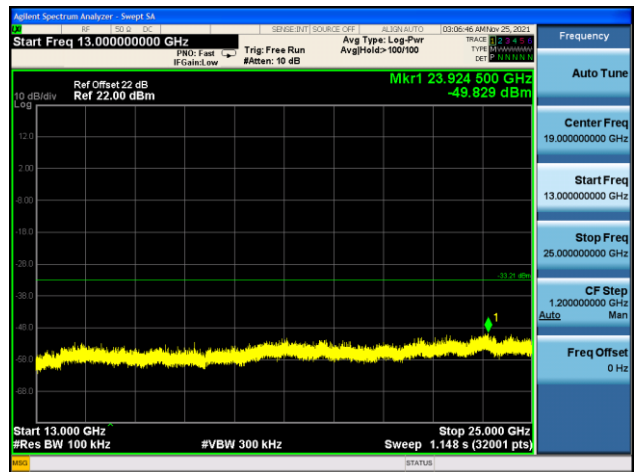
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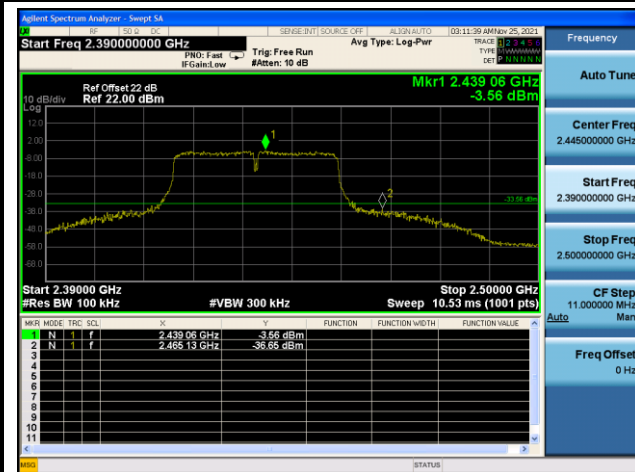
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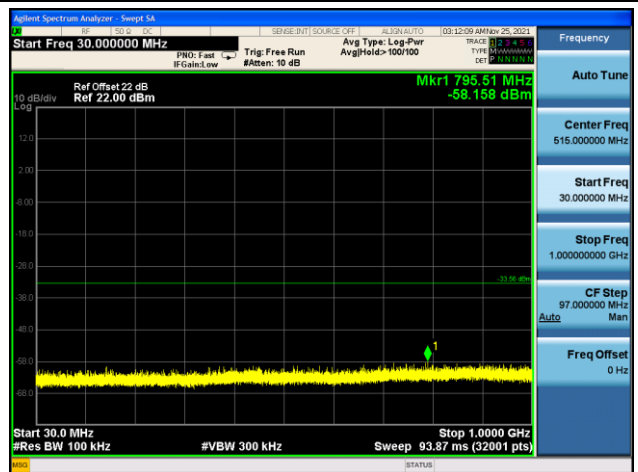
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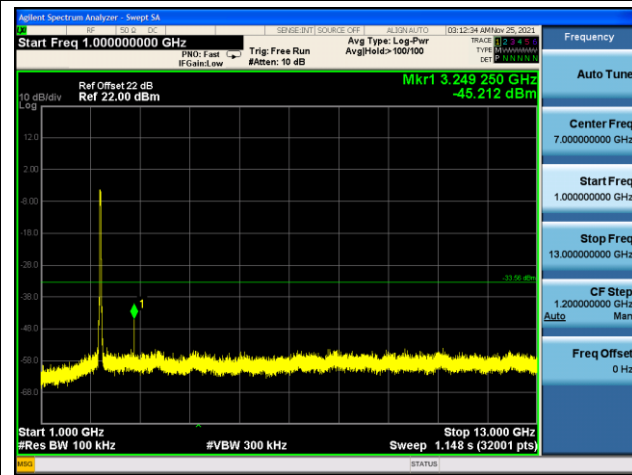
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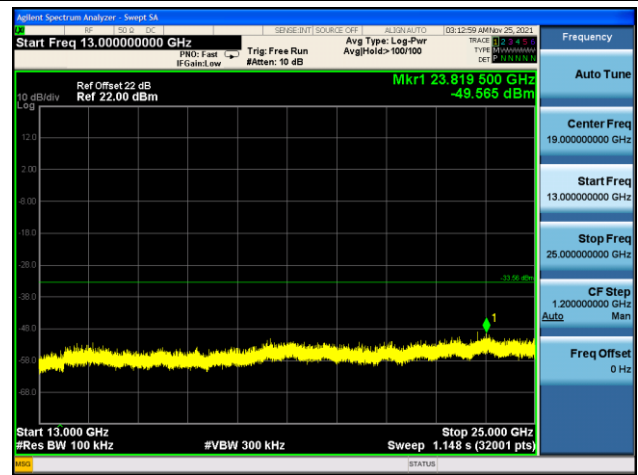
802.11 n40 CH06 (2437MHz) Ant 0



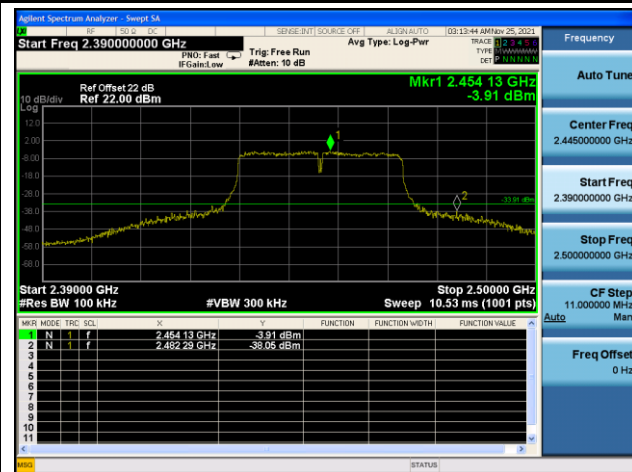
802.11 n40 CH06 (2437MHz) Ant 0



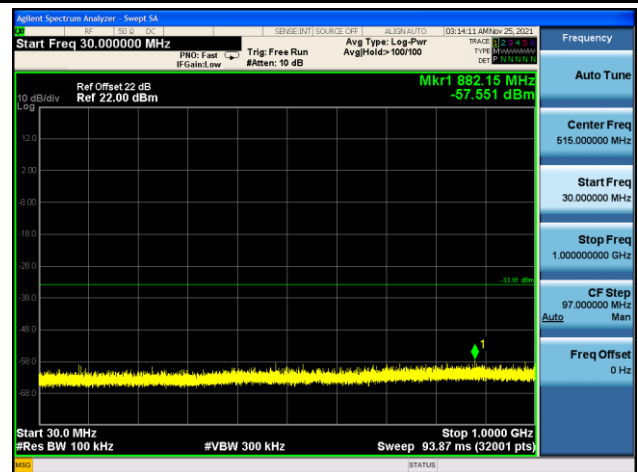
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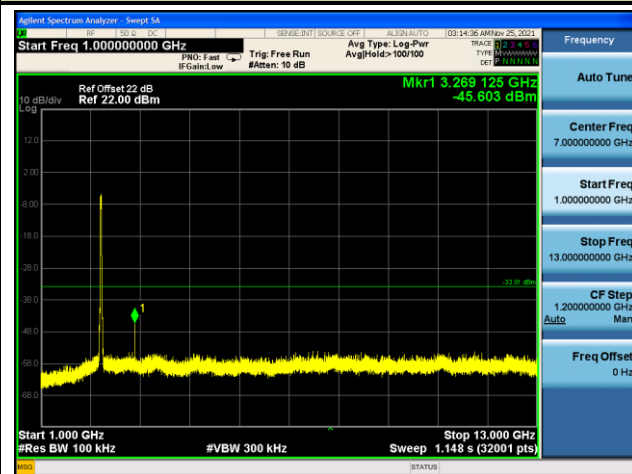
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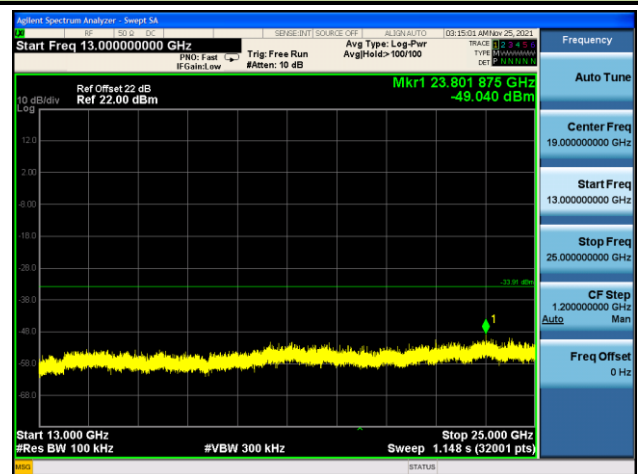
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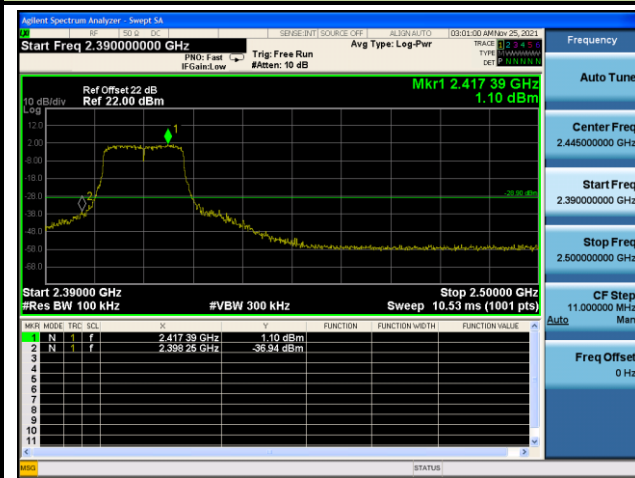
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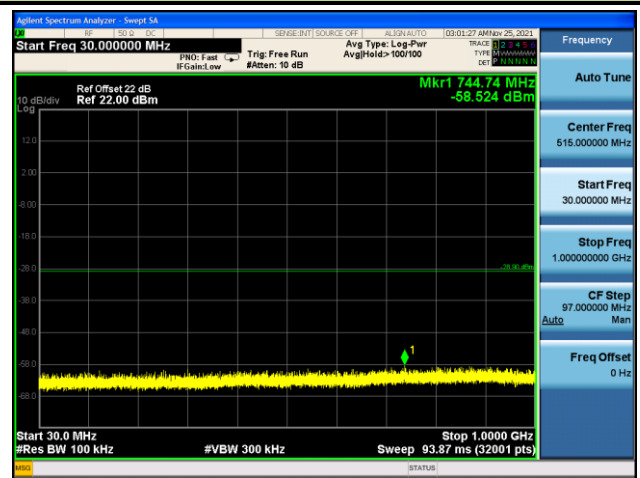
802.11 n40 CH09 (2452MHz) Ant 0



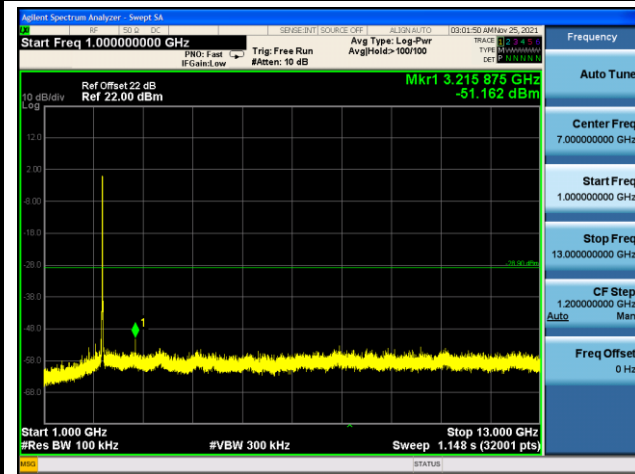
802.11 n20 CH01 (2412MHz) Ant 1



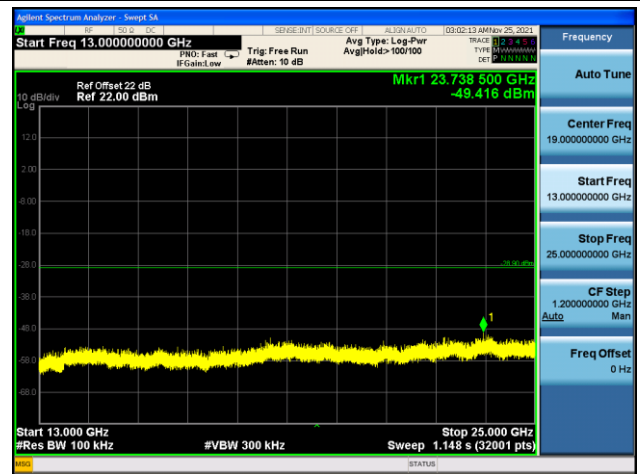
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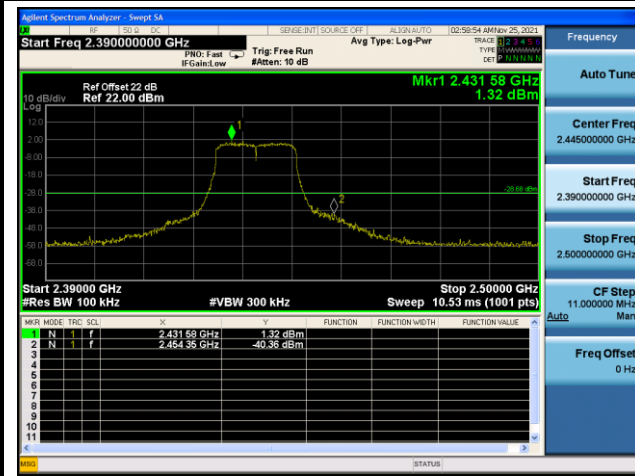
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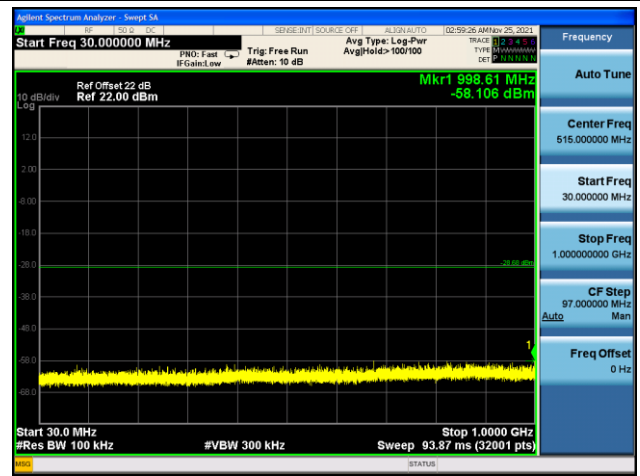
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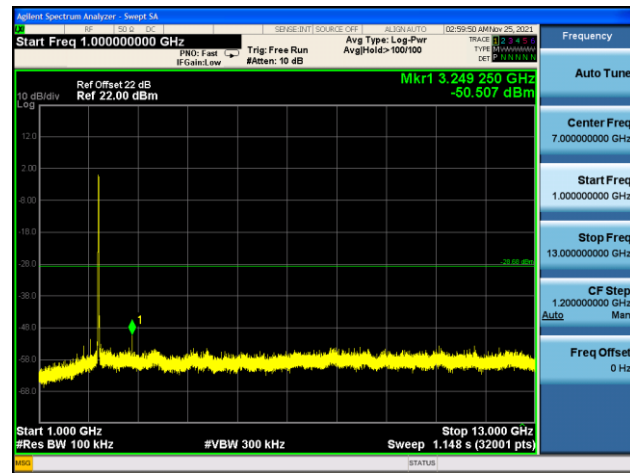
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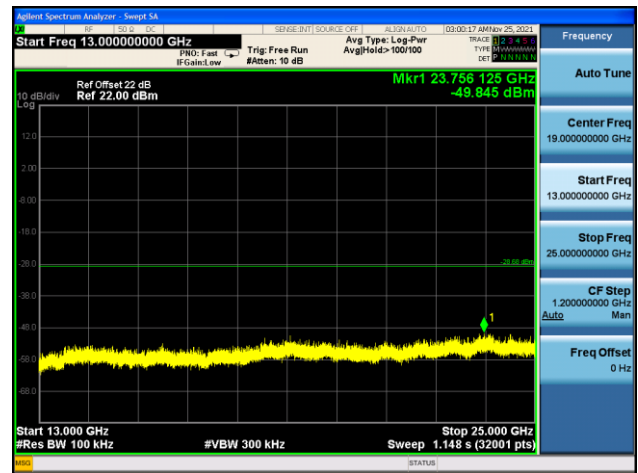
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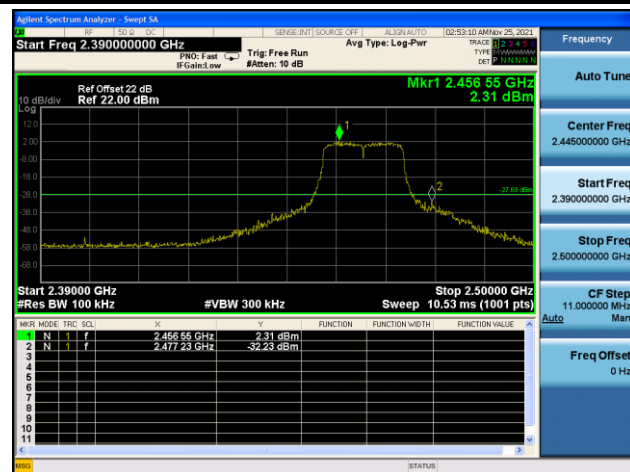
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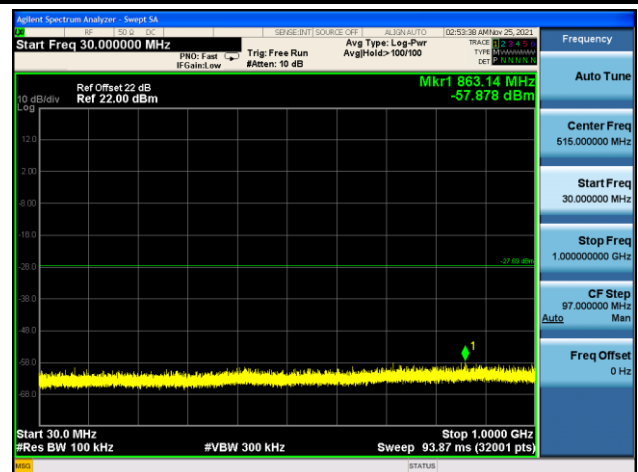
802.11 n20 CH06 (2437MHz) Ant 1



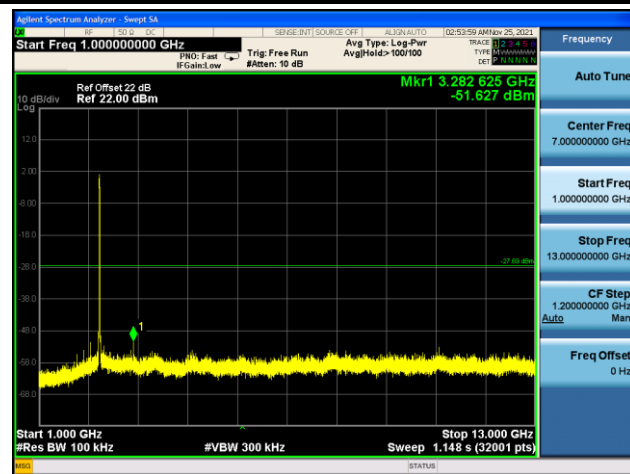
802.11 n20 CH11 (2462MHz) Ant 1



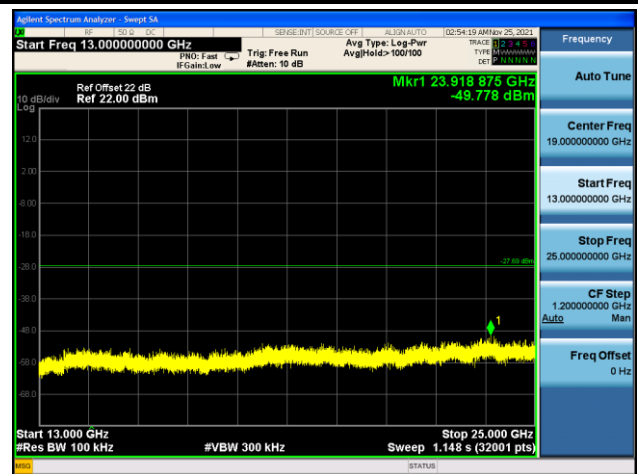
802.11 n20 CH11 (2462MHz) Ant 1



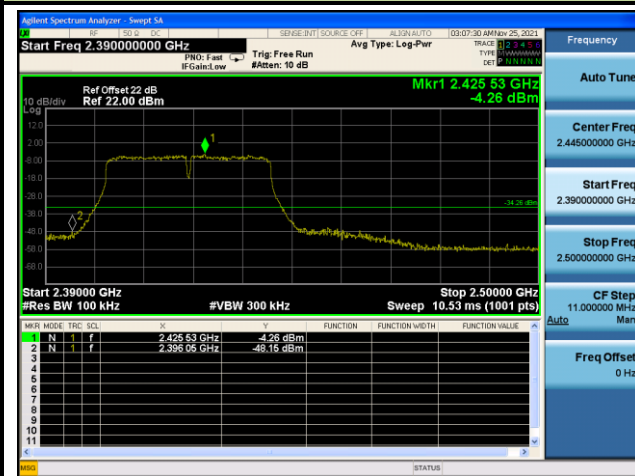
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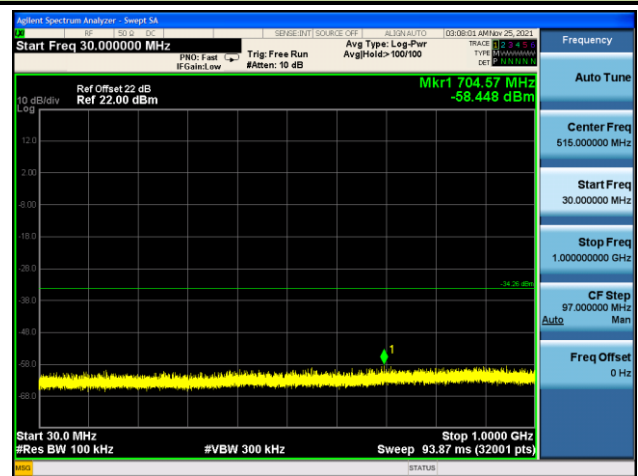
802.11 n20 CH11 (2462MHz) Ant 1



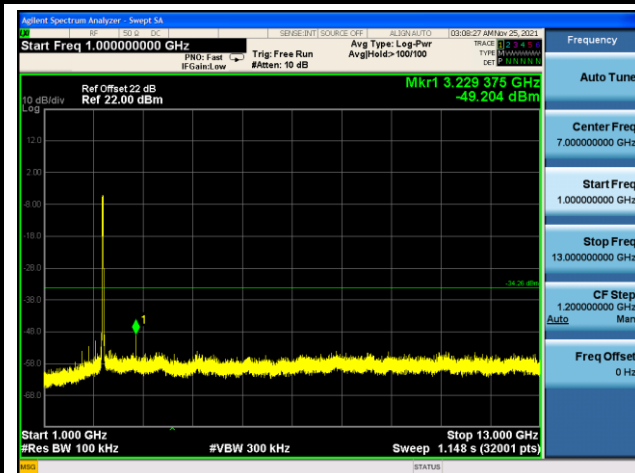
802.11 n40 CH03 (2422MHz) Ant 1



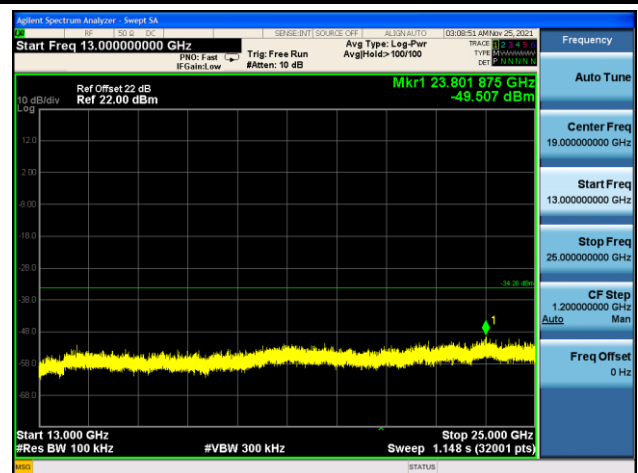
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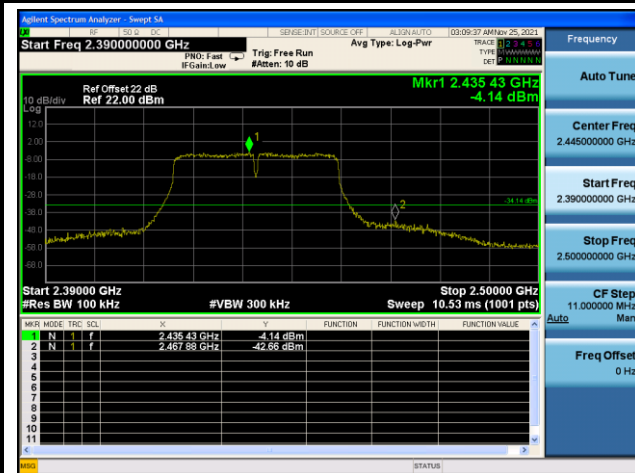
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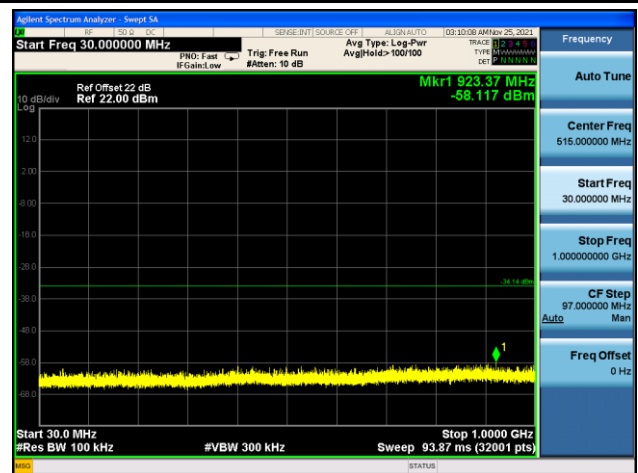
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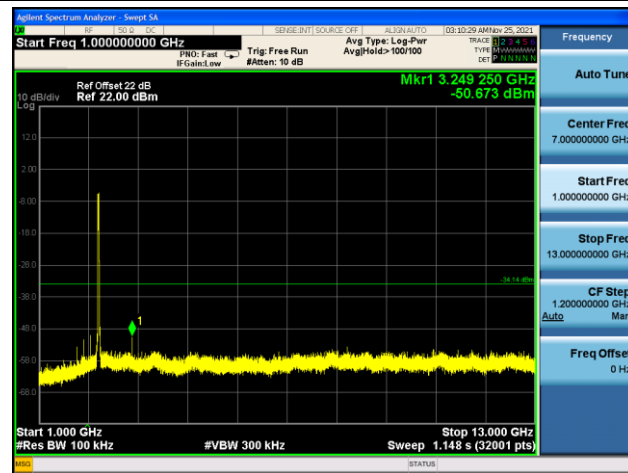
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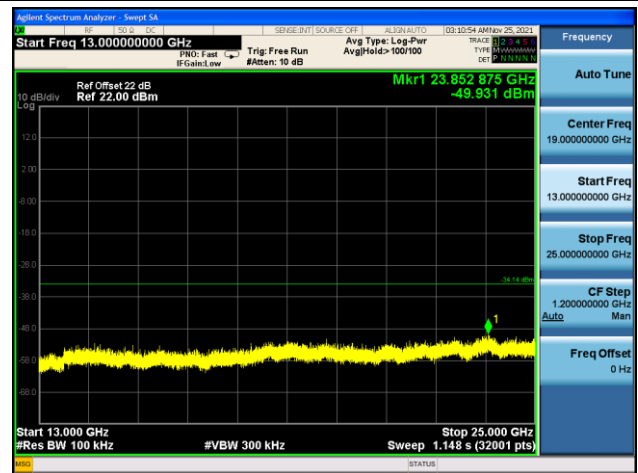
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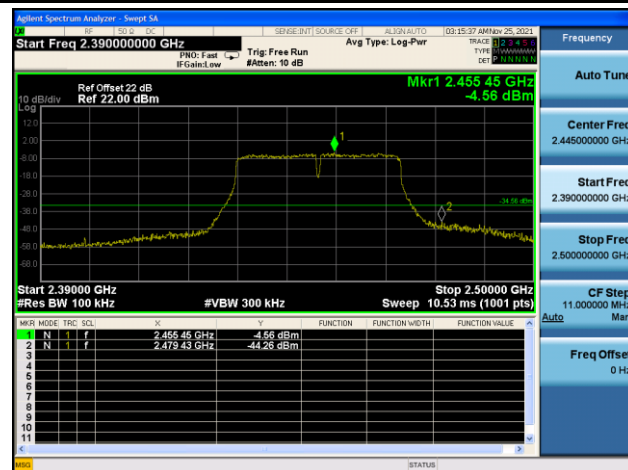
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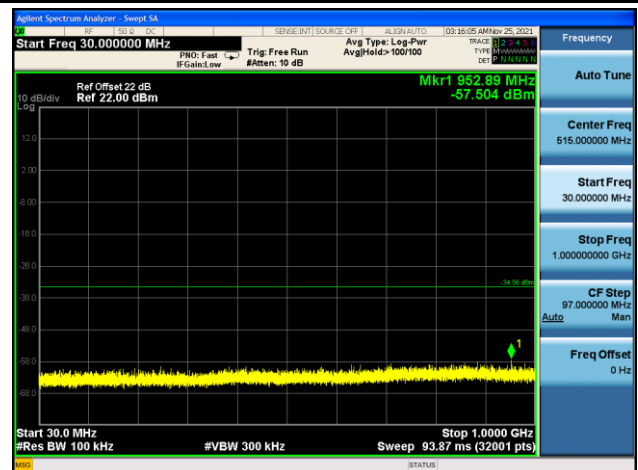
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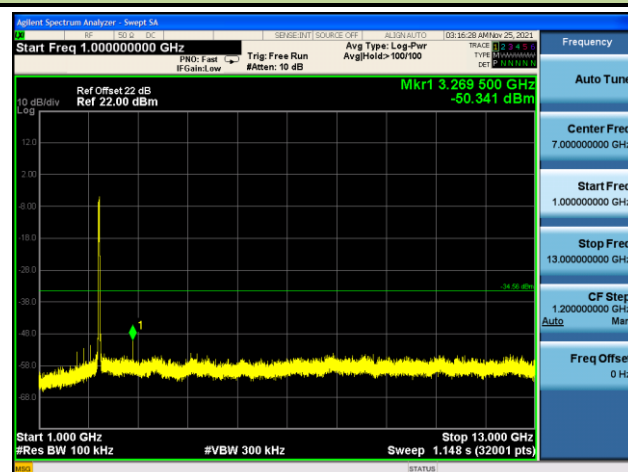
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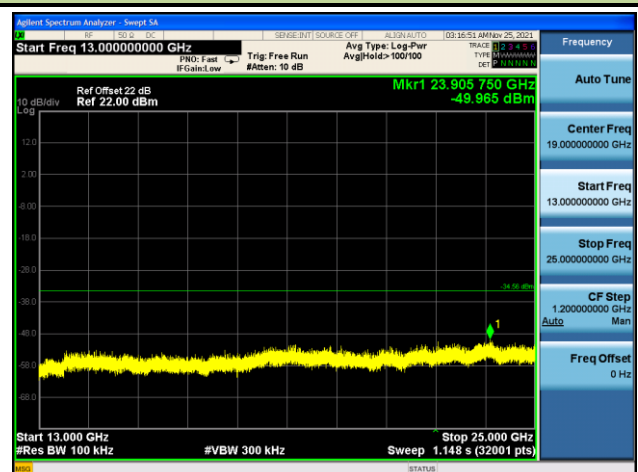
802.11 n40 CH09 (2452MHz) Ant 1



802.11 n40 CH09 (2452MHz) Ant 1



802.11 n40 CH09 (2452MHz) Ant 1



5.5 輻射電場強度

5.5.1 量測方法

待測物置於非導體桌面（落地型產品置於地上），受測物使用交流電源時，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。受測物使用電池時，測試時應裝置新電池或充電完全的電池。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，接收天線並應於水平及垂直極化方向各量測一次。（待測物擺設方式根據 ANSI C63.10-2013 版本，待測物放置桌中心，1G 以下擺設高度為 80cm/1G 以上擺設高度為 150cm）

- (1) 任一頻率小於或等於 1000 MHz 之訊號,使用 CISPR 準峰值檢波器
- (2) 任一頻率大於 1000 MHz 之訊號，使用平均值檢波器測量，當規定之發射限制值為平均值時(含 1000 MHz 以下)，受測訊號藉由峰值檢波器(RBW:1MHz,VBW:3MHz)所測量之峰值，亦須符合峰值發射限制值，其峰值發射限制值為最大容許平均值加 20 dB。

備註: 若為手持式或穿戴式之裝置，需對其三個正交軸的方位評估測試，並記錄最差的數值。

5.5.2 限制要求

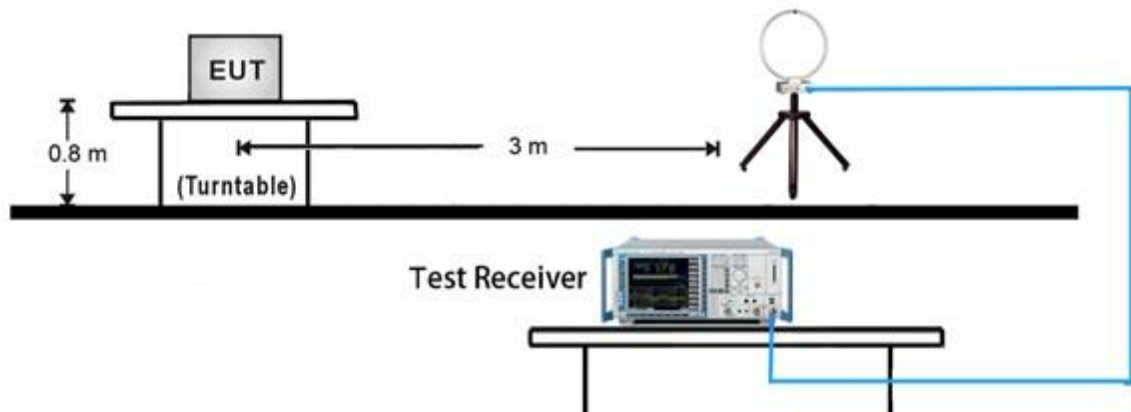
其電場強度不得超過下表之限值，且其不必要之發射皆不得大於主波發射強度。各頻段重疊處，以較嚴格之限制值為準。

頻率(f) (MHz)	電場強度 (微伏特/公尺, $\mu\text{V/m}$)	測距 (公尺)
$0.009 \leq f \leq 0.490$	$2400/f(\text{kHz})$	300
$0.490 < f \leq 1.705$	$24000/f(\text{kHz})$	30
$1.705 < f < 30$	30	30
$30 \leq f \leq 88$	100	3
$88 < f \leq 216$	150	3
$216 < f \leq 960$	200	3
$960 < f$	500	3

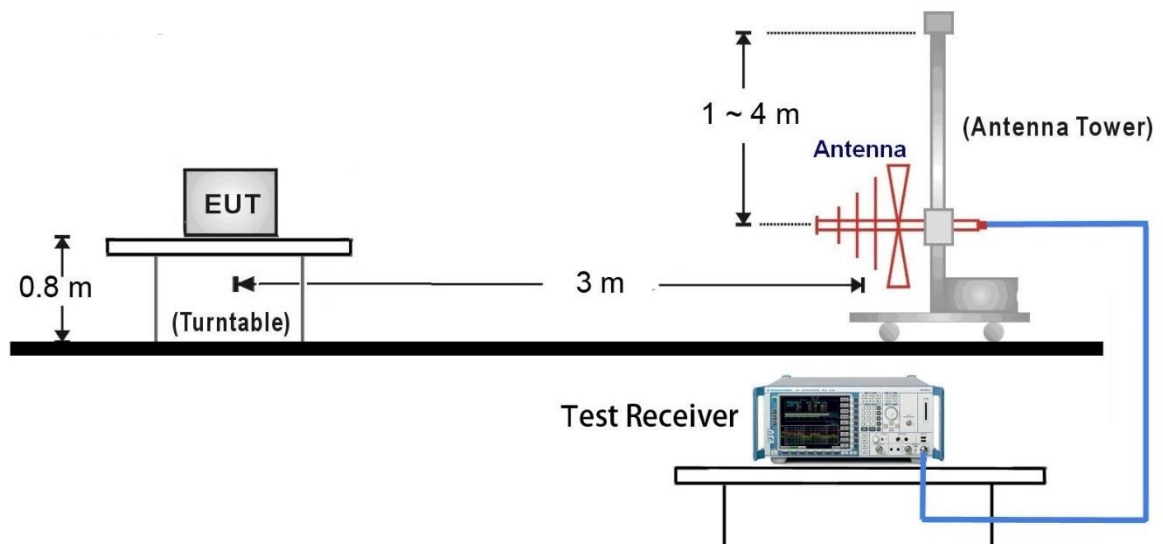
上表規定之電場強度，發射頻率在 9 kHz~90 kHz、110 kHz~490 kHz 及 1000MHz 以上者，其量測應以平均值檢波器為基準，且須符合低功率射頻器材技術規範第 6.14.節之規定；其他發射頻率，應以 CISPR 準峰值(quasi-peak) 檢波器測量；非以上表所指定之距離測量時，應符合第 6.5 節之規定，而輻射發射之量測頻率範圍須符合低功率射頻器材技術規範第 6.12 節之規定。

5.5.3 測試架構圖

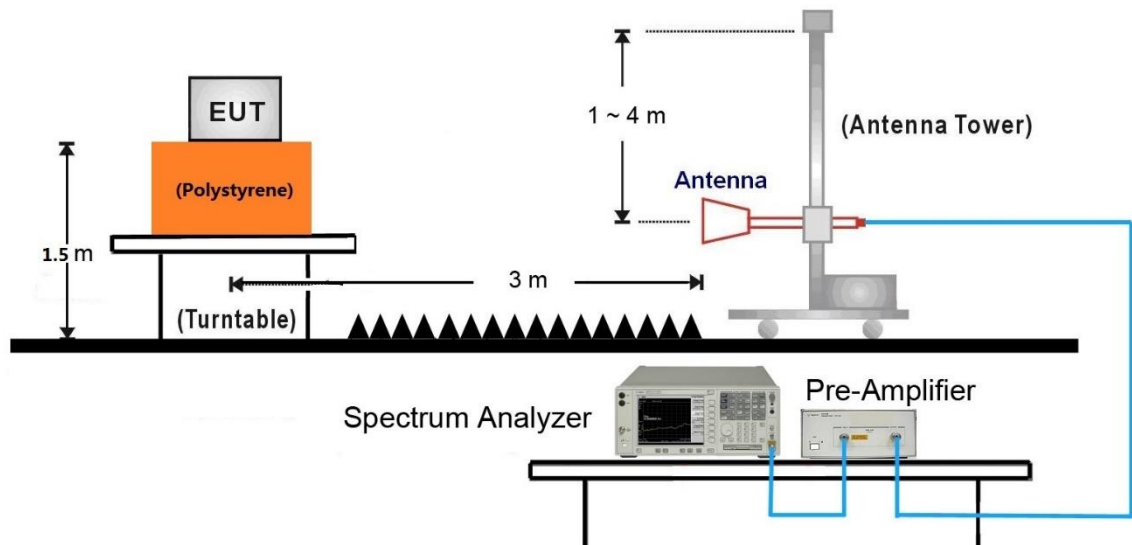
Under 30MHz Test



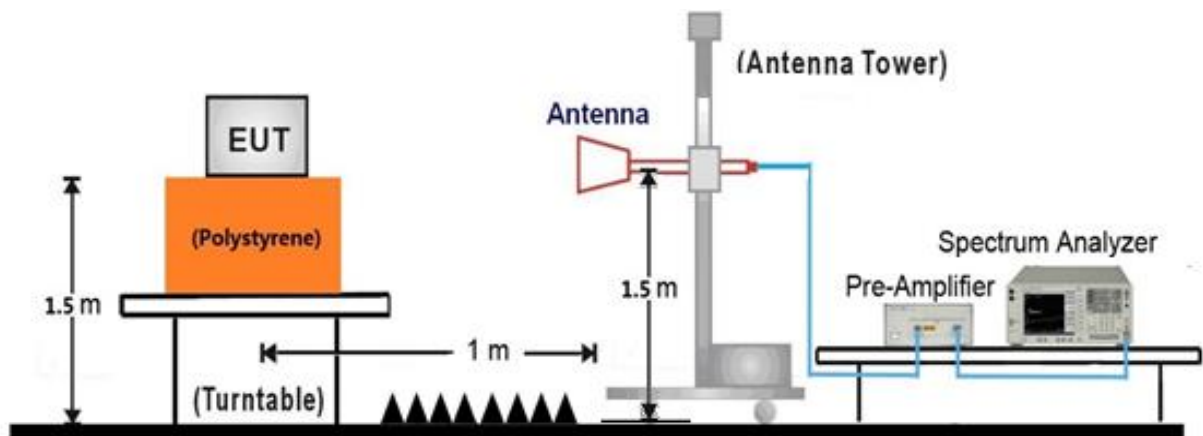
Under 1GHz Test Setup



1GHz ~ 18GHz Test Setup:

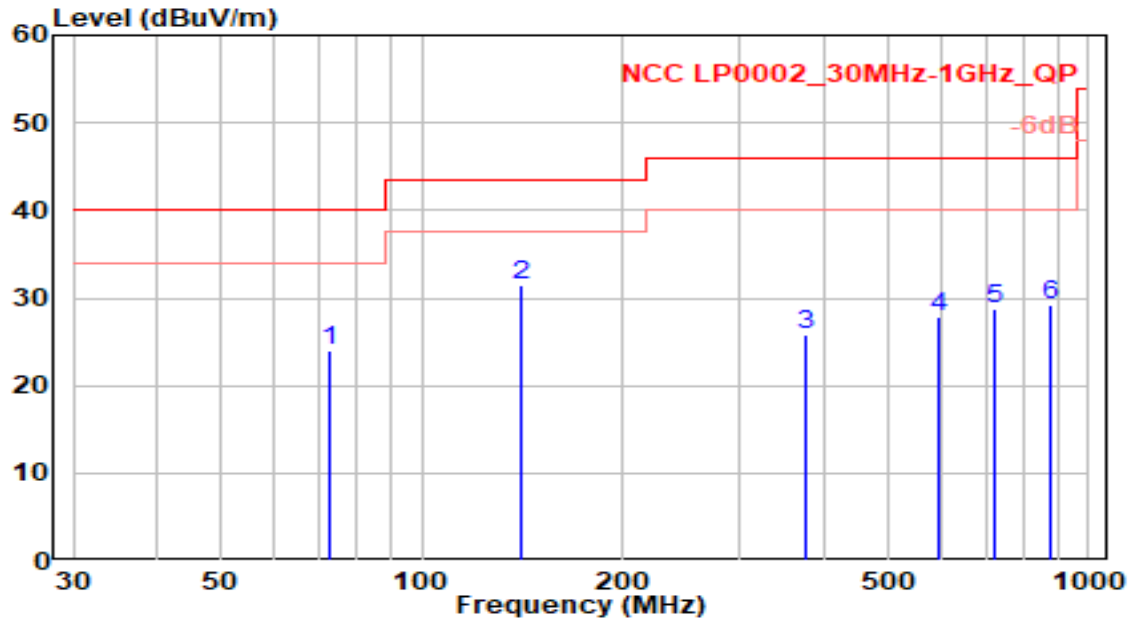


18GHz ~ 25GHz Test Setup:



5.5.4 輻射電場強度測試結果

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-22
Factor	VULB 9162	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

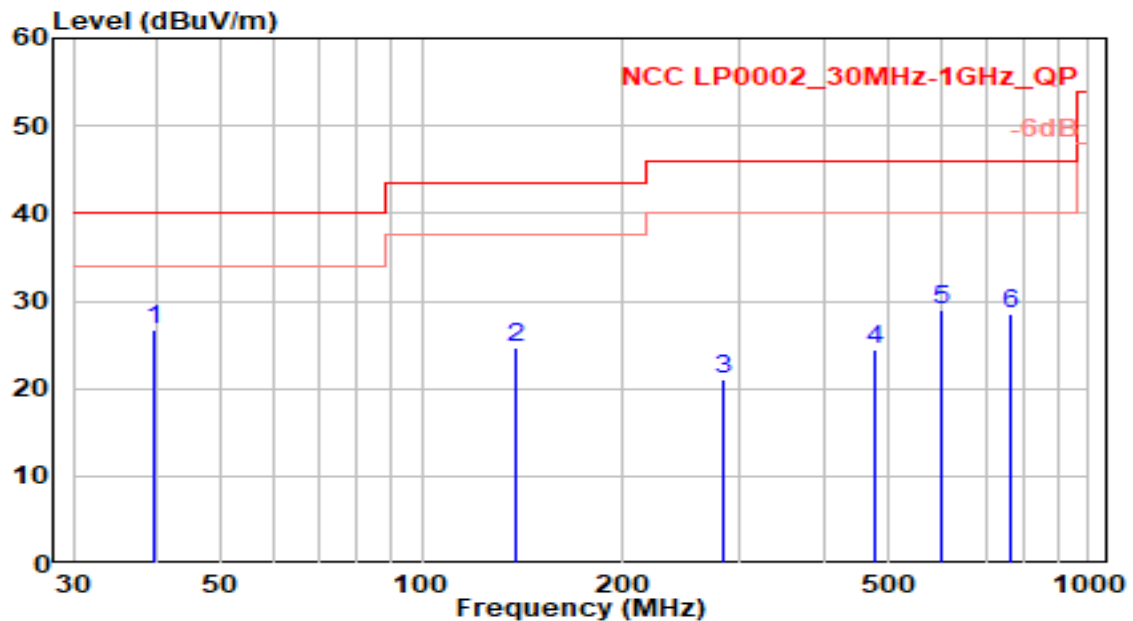


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	72.680	8.68	15.40	24.09	-15.91	40.00	150	350	QP
2	* 140.580	16.92	14.50	31.42	-12.08	43.50	150	305	QP
3	376.290	2.63	23.17	25.81	-20.19	46.00	100	160	QP
4	596.480	0.52	27.22	27.74	-18.26	46.00	150	240	QP
5	725.490	-0.11	28.89	28.78	-17.22	46.00	150	90	QP
6	876.810	-1.63	30.90	29.26	-16.74	46.00	100	235	QP

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-22
Factor	VULB 9162	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

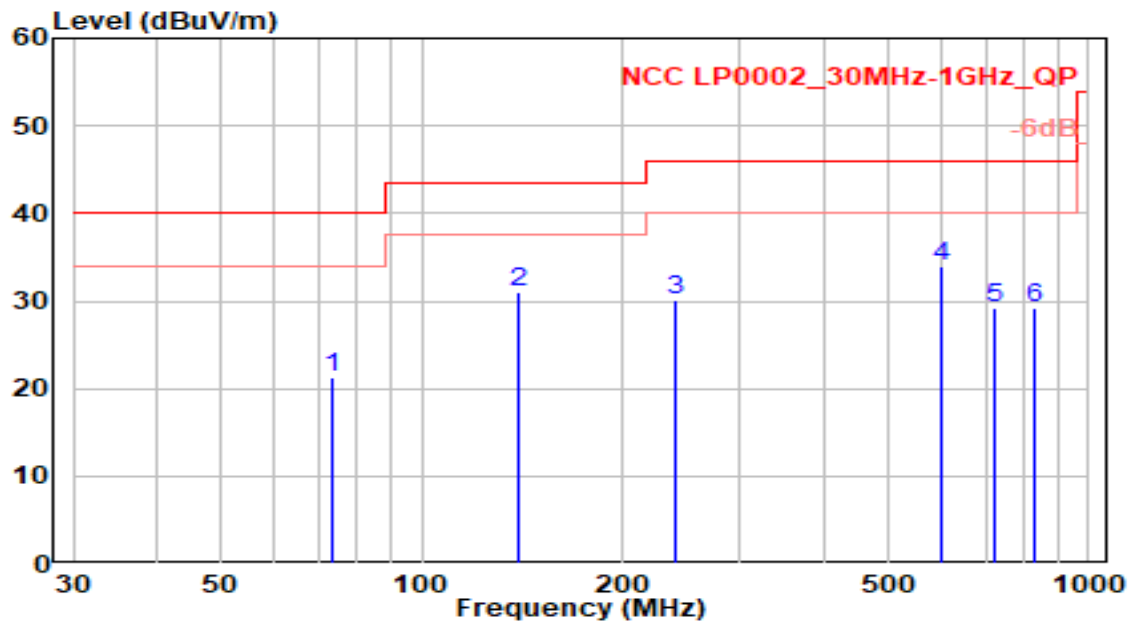


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 39.700	6.84	19.98	26.82	-13.18	40.00	100	300	QP
2	138.640	10.00	14.61	24.61	-18.89	43.50	100	30	QP
3	284.140	0.53	20.57	21.10	-24.90	46.00	150	235	QP
4	479.110	-0.30	24.81	24.51	-21.49	46.00	100	190	QP
5	600.360	1.74	27.31	29.06	-16.94	46.00	100	200	QP
6	764.290	-0.72	29.30	28.58	-17.42	46.00	100	285	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-22
Factor	VULB 9162	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_RX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

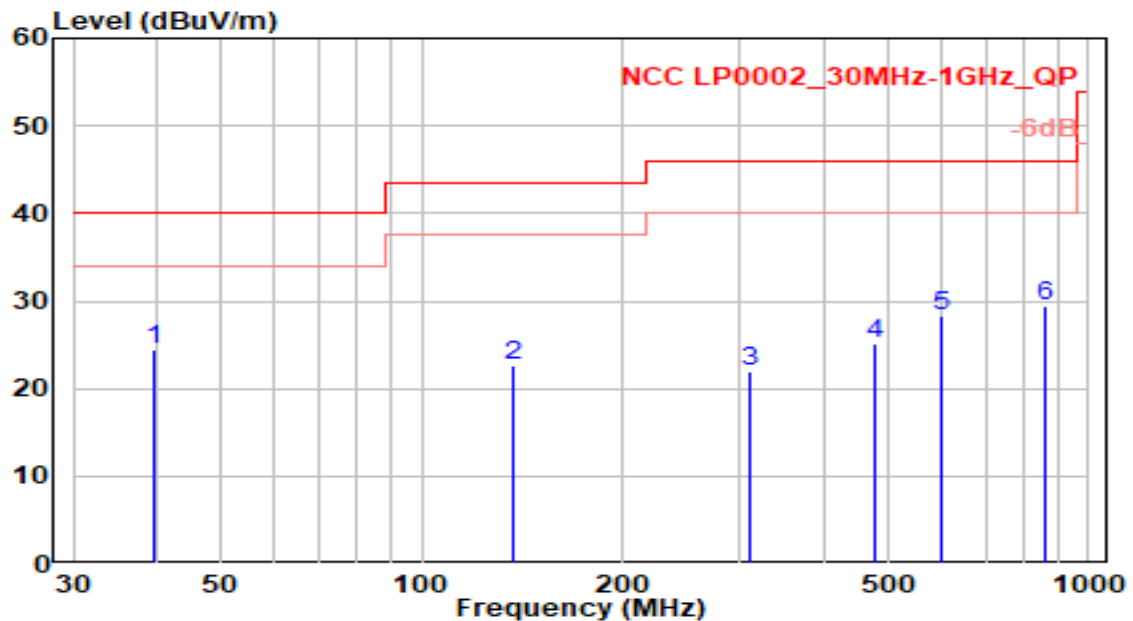


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	73.650	6.12	15.21	21.34	-18.66	40.00	150	360	QP
2	139.610	16.49	14.51	31.00	-12.50	43.50	150	305	QP
3	239.520	10.25	19.92	30.17	-15.83	46.00	100	320	QP
4 *	601.330	6.72	27.32	34.04	-11.96	46.00	100	255	QP
5	721.610	0.35	28.83	29.18	-16.82	46.00	100	180	QP
6	829.280	-0.92	30.09	29.18	-16.82	46.00	100	235	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-22
Factor	VULB 9162	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_RX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

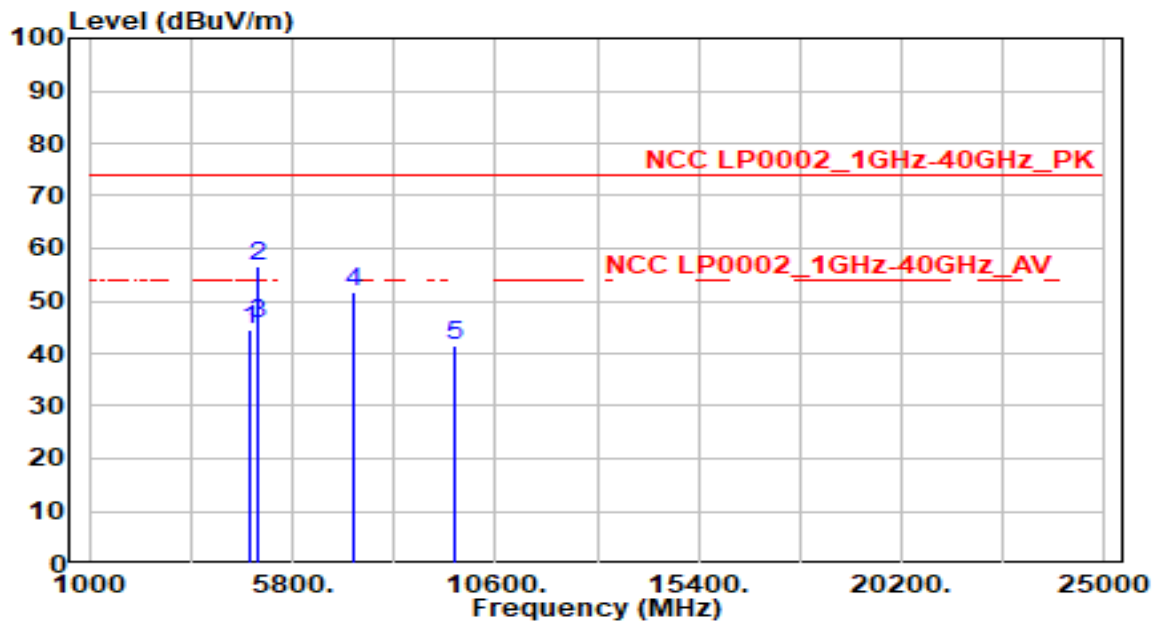


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 39.700	4.45	19.98	24.43	-15.57	40.00	150	55	QP
2	136.700	7.92	14.81	22.73	-20.77	43.50	100	55	QP
3	310.330	0.62	21.31	21.93	-24.07	46.00	150	340	QP
4	477.170	0.46	24.76	25.22	-20.78	46.00	123	360	QP
5	600.360	0.98	27.31	28.29	-17.71	46.00	100	305	QP
6	859.350	-1.22	30.65	29.43	-16.57	46.00	150	345	QP

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

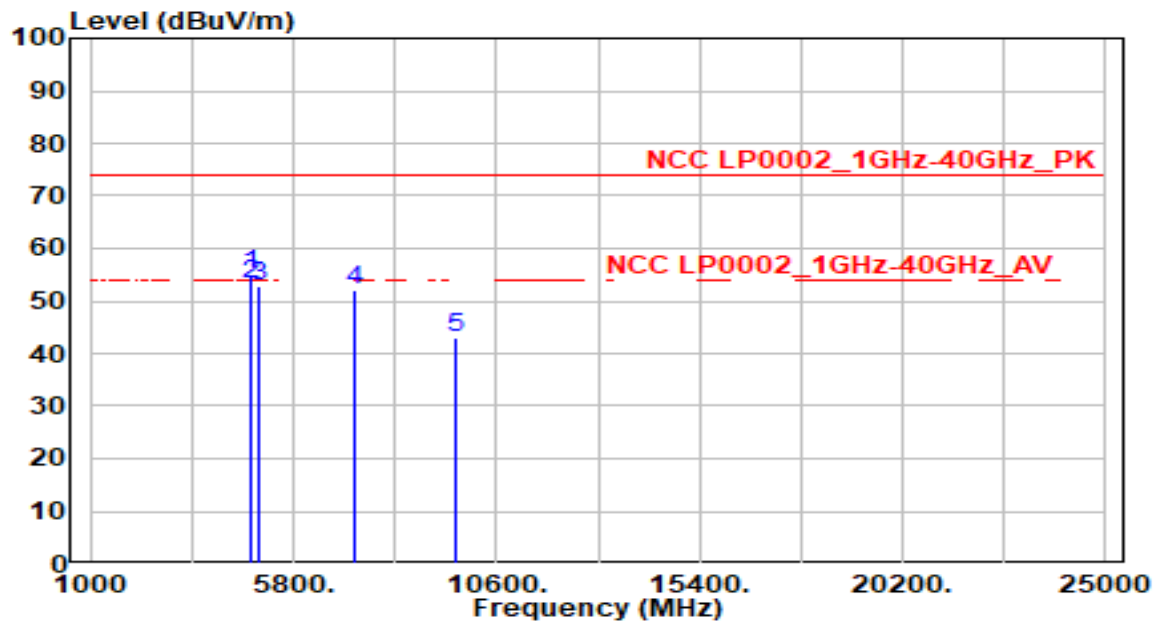


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4824.000	44.97	-0.41	44.56	-29.44	74.00	300	265	Peak
2	* 4977.000	56.88	-0.11	56.77	-17.23	74.00	115	110	Peak
3	* 4977.000	45.90	-0.11	45.78	-8.22	54.00	115	110	Average
4	7236.000	47.28	4.52	51.80	-22.20	74.00	100	220	Peak
5	9648.000	37.15	4.38	41.53	-32.47	74.00	100	0	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

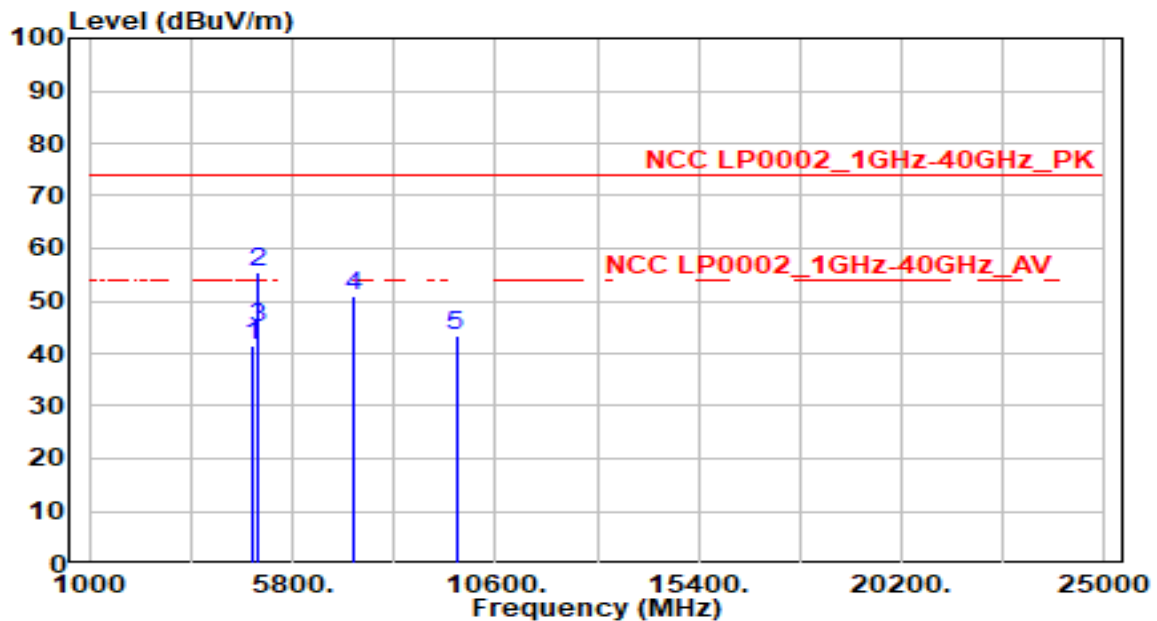


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824.000	55.46	-0.41	55.05	-18.95	74.00	105	290	Peak
2	*	4824.000	53.64	-0.41	53.23	-0.77	54.00	105	290	Average
3		5000.000	52.80	-0.07	52.73	-21.27	74.00	100	200	Peak
4		7236.000	47.41	4.52	51.93	-22.07	74.00	300	0	Peak
5		9648.000	38.76	4.38	43.13	-30.87	74.00	100	200	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

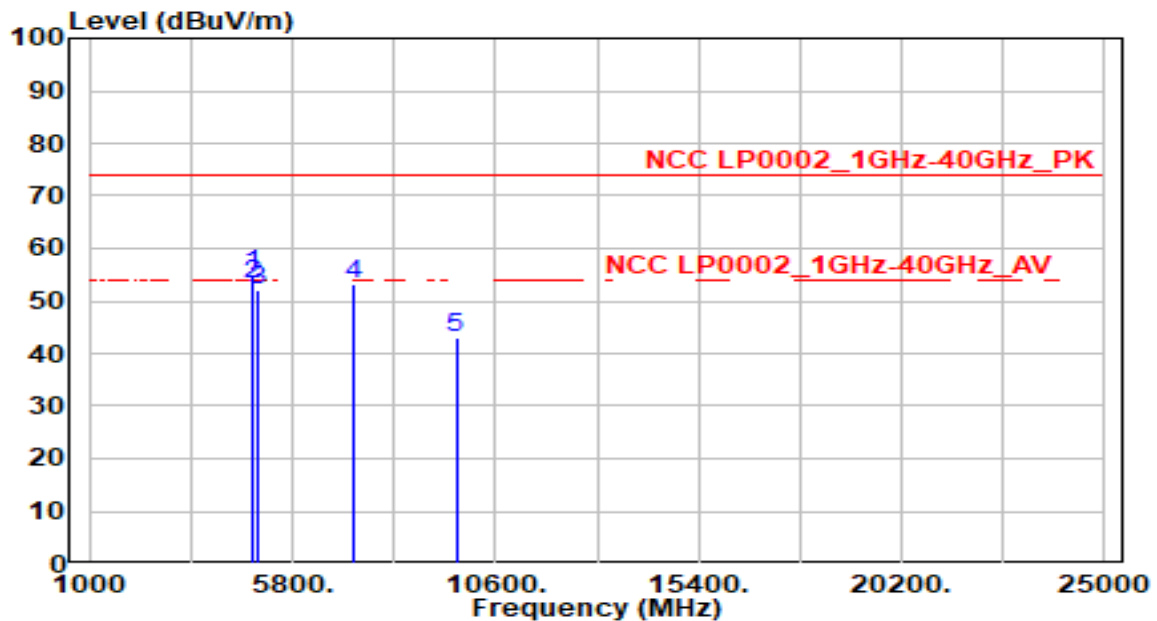


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4834.000	41.73	-0.39	41.34	-32.66	74.00	180	360	Peak
2	* 4982.000	55.65	-0.10	55.55	-18.45	74.00	100	115	Peak
3	* 4982.000	45.13	-0.10	45.03	-8.97	54.00	100	115	Average
4	7251.000	46.41	4.54	50.95	-23.05	74.00	100	225	Peak
5	9668.000	39.12	4.39	43.51	-30.49	74.00	200	195	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

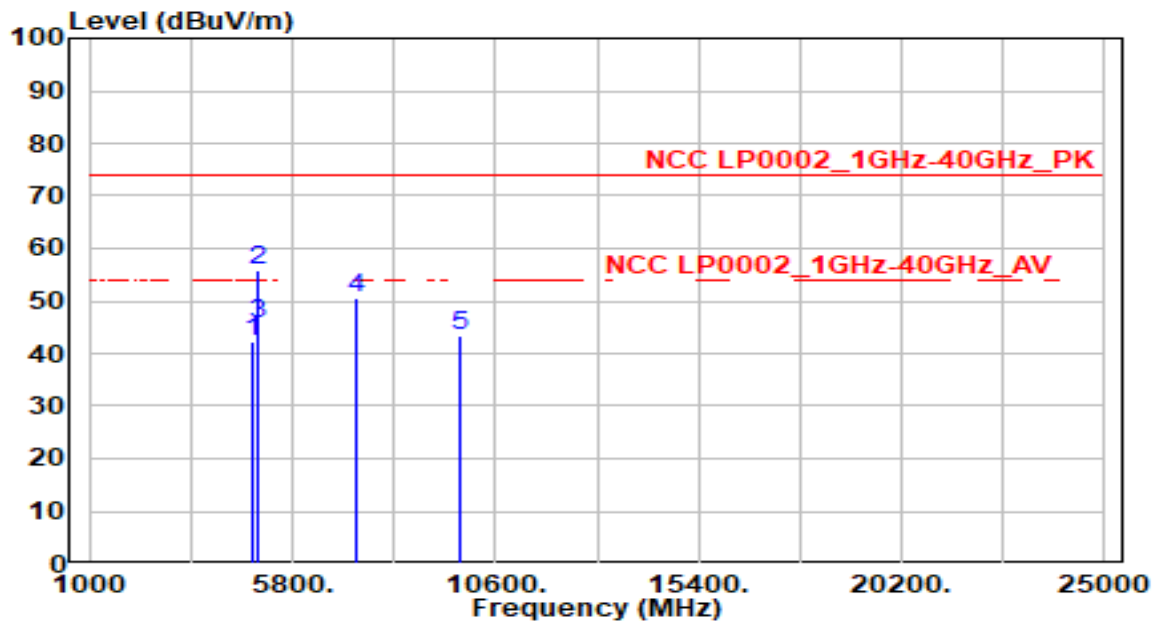


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4834.000	55.34	-0.39	54.95	-19.05	74.00	100	280	Peak
2	* 4834.000	53.53	-0.39	53.14	-0.86	54.00	100	280	Average
3	4979.000	52.32	-0.11	52.21	-21.79	74.00	100	185	Peak
4	7251.000	48.74	4.54	53.28	-20.72	74.00	145	240	Peak
5	9668.000	38.61	4.39	42.99	-31.01	74.00	100	110	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

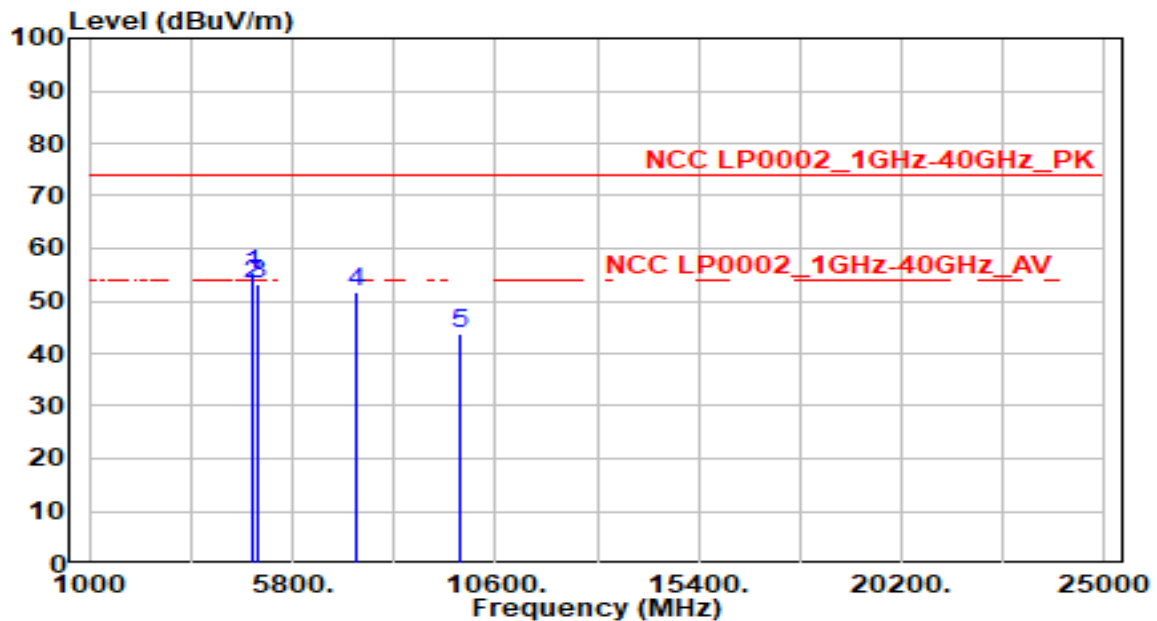


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	42.59	-0.31	42.27	-31.73	74.00	200	360	Peak
2	* 4994.000	55.75	-0.08	55.67	-18.33	74.00	200	360	Peak
3	* 4994.000	45.75	-0.08	45.67	-8.33	54.00	200	360	Average
4	7310.000	45.79	4.61	50.40	-23.60	74.00	200	360	Peak
5	9748.000	38.84	4.43	43.27	-30.73	74.00	200	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

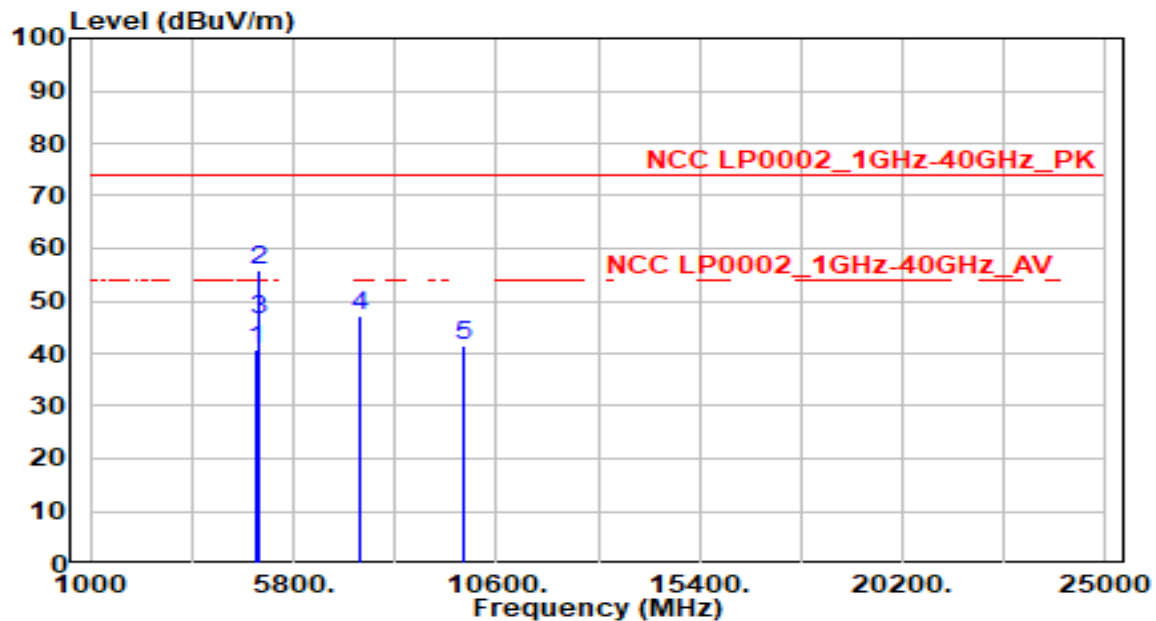


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4874.000	55.36	-0.31	55.05	-18.95	74.00	100	290	Peak
2	*	4874.000	53.40	-0.31	53.08	-0.92	54.00	100	290	Average
3		4982.000	53.37	-0.10	53.26	-20.74	74.00	200	50	Peak
4		7311.000	46.94	4.61	51.55	-22.45	74.00	100	230	Peak
5		9748.000	39.28	4.43	43.71	-30.29	74.00	200	200	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

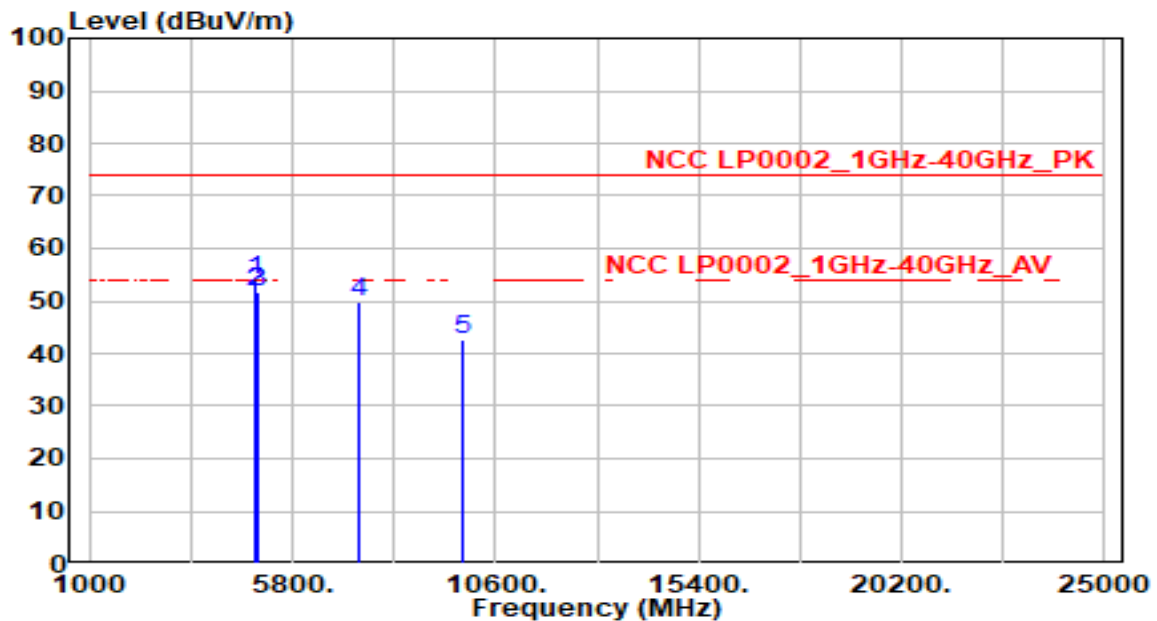


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4914.000	41.01	-0.24	40.77	-33.23	74.00	100	360	Peak
2	* 5000.100	56.05	-0.07	55.98	-18.02	74.00	100	360	Peak
3	* 5000.100	46.32	-0.07	46.25	-7.75	54.00	100	360	Average
4	7371.000	42.43	4.67	47.10	-26.90	74.00	100	360	Peak
5	9828.000	36.93	4.46	41.39	-32.61	74.00	100	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

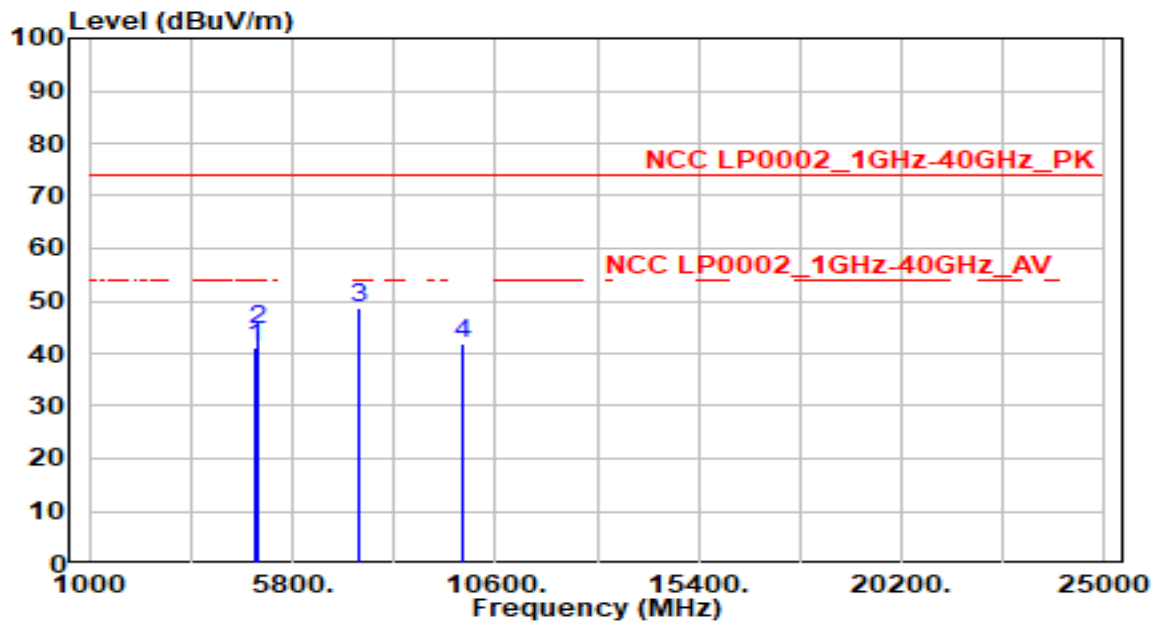


No		Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4914.000	54.30	-0.24	54.06	-19.94	74.00	100	140	Peak
2	*	4914.000	51.96	-0.24	51.72	-2.28	54.00	100	140	Average
3		4987.000	51.90	-0.09	51.80	-22.20	74.00	100	190	Peak
4		7371.000	45.19	4.67	49.86	-24.14	74.00	100	230	Peak
5		9828.000	38.33	4.46	42.79	-31.21	74.00	100	250	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

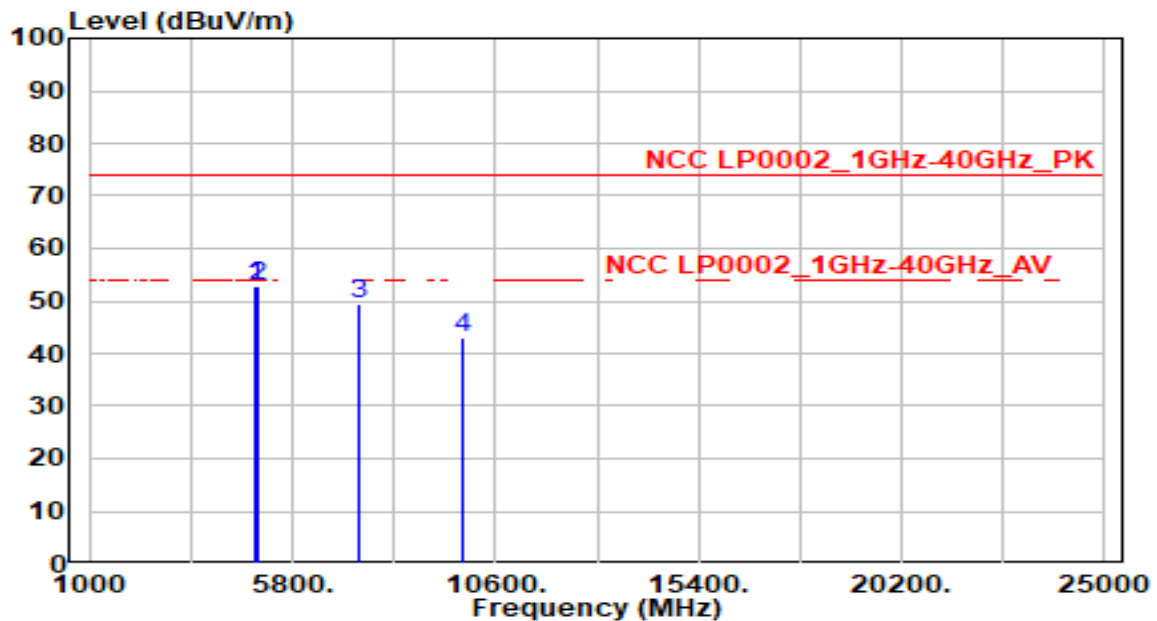


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4923.902	41.30	-0.22	41.08	-32.92	74.00	100	0	Peak
2	4987.500	44.76	-0.09	44.67	-29.33	74.00	100	0	Peak
3	* 7385.640	44.08	4.69	48.77	-25.23	74.00	100	0	Peak
4	9848.000	37.56	4.46	42.02	-31.98	74.00	100	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

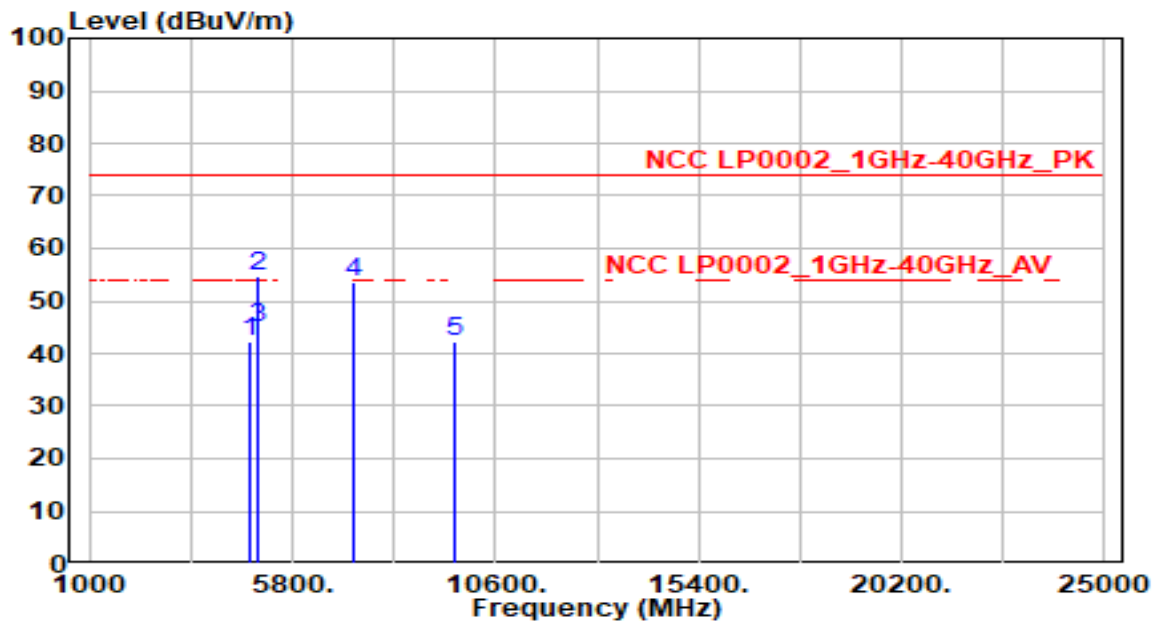


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4924.000	53.12	-0.22	52.90	-21.10	74.00	100	360	Peak
2		4997.100	52.87	-0.07	52.79	-21.21	74.00	100	360	Peak
3		7386.000	44.76	4.69	49.45	-24.55	74.00	100	360	Peak
4		9848.000	38.63	4.46	43.09	-30.91	74.00	100	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

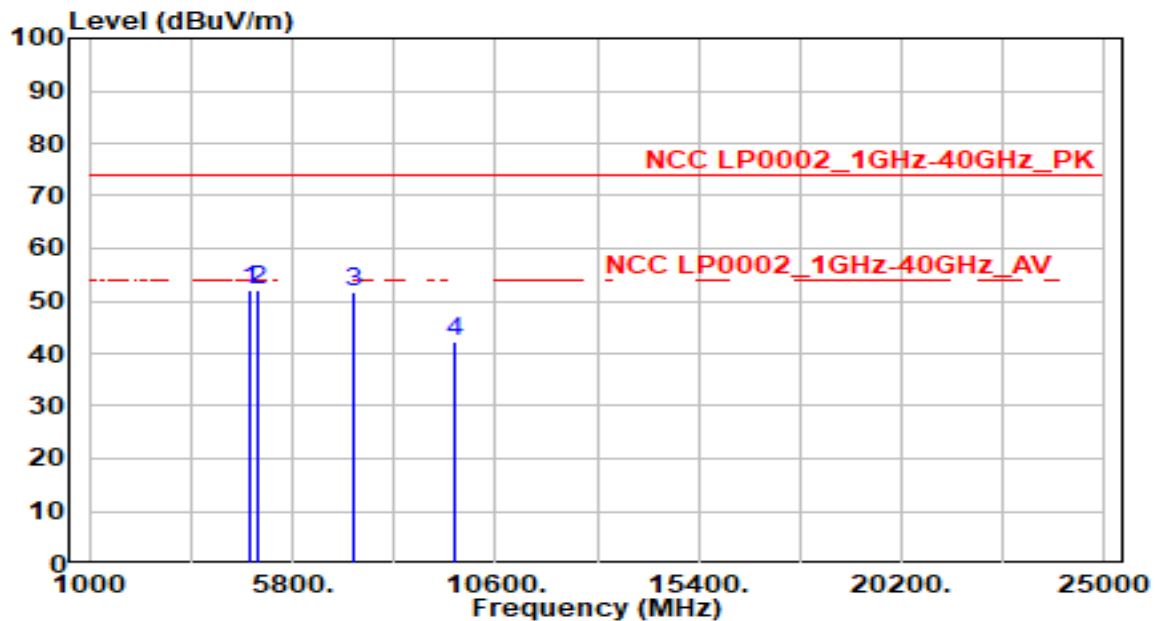


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4824.000	42.72	-0.41	42.31	-31.69	74.00	200	0	Peak
2	* 4981.600	54.82	-0.10	54.72	-19.28	74.00	200	0	Peak
3	* 4981.600	44.83	-0.10	44.73	-9.27	54.00	200	0	Average
4	7236.000	48.90	4.52	53.42	-20.58	74.00	200	0	Peak
5	9648.000	37.82	4.38	42.20	-31.80	74.00	200	0	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

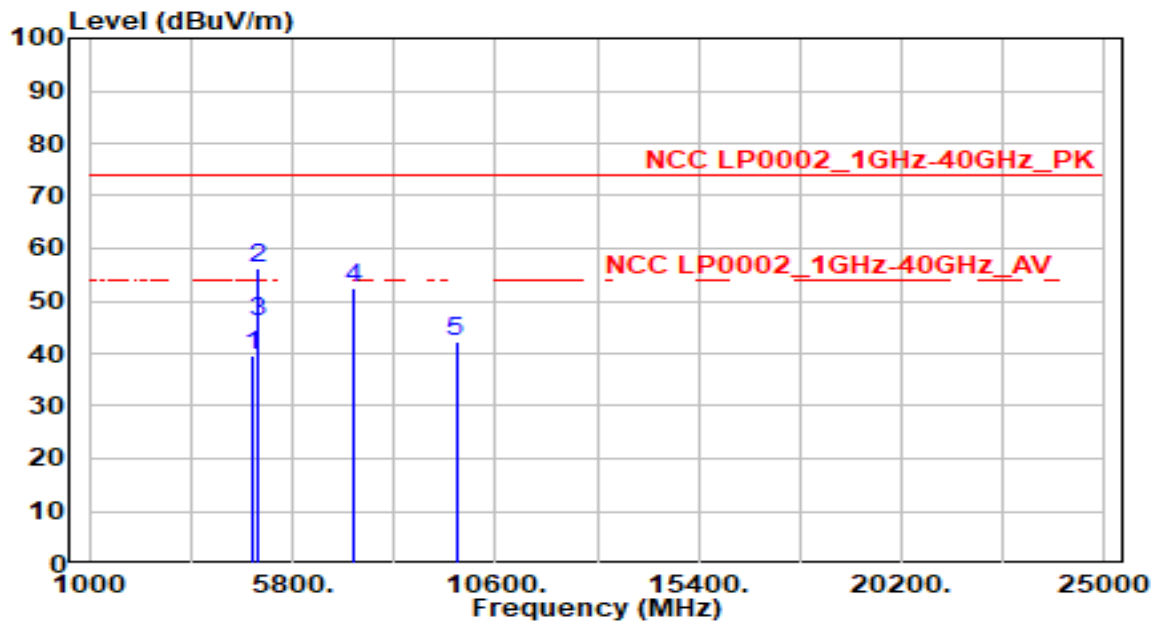


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4824.000	52.47	-0.41	52.06	-21.94	74.00	100	0	Peak
2		4981.600	52.01	-0.10	51.91	-22.09	74.00	100	0	Peak
3		7236.000	47.13	4.52	51.65	-22.35	74.00	100	0	Peak
4		9648.000	37.90	4.38	42.28	-31.72	74.00	100	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

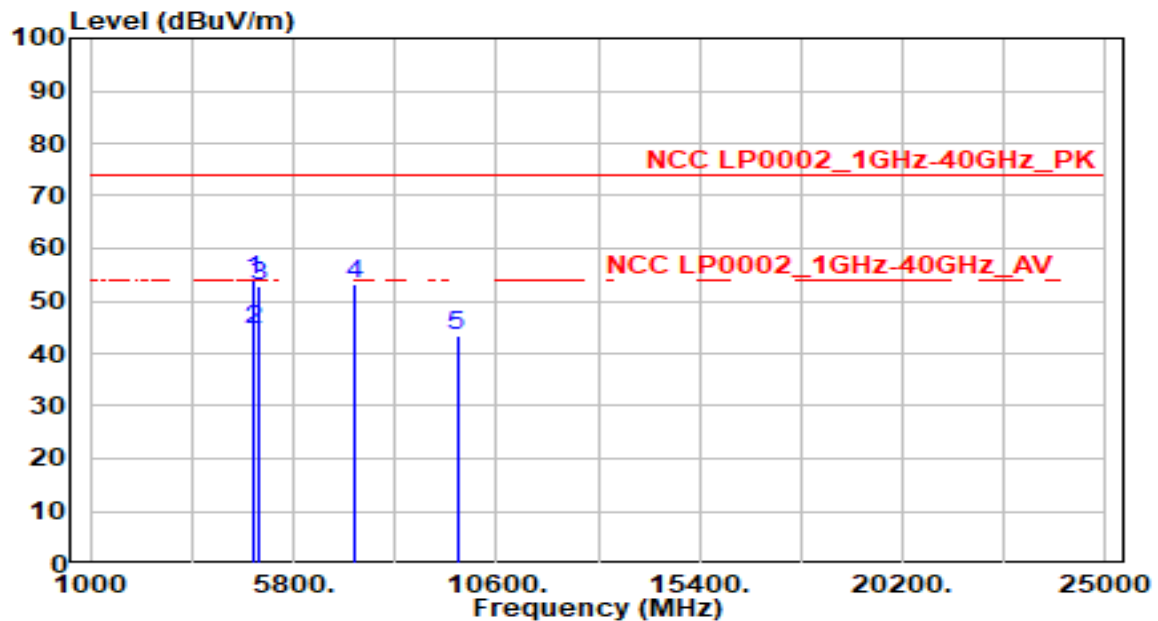


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4834.000	40.11	-0.39	39.72	-34.28	74.00	100	360	Peak
2	* 4985.200	56.20	-0.10	56.10	-17.90	74.00	100	360	Peak
3	* 4985.200	46.14	-0.10	46.04	-7.96	54.00	100	360	Average
4	7251.000	48.00	4.54	52.54	-21.46	74.00	100	360	Peak
5	9668.000	38.00	4.39	42.39	-31.61	74.00	100	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

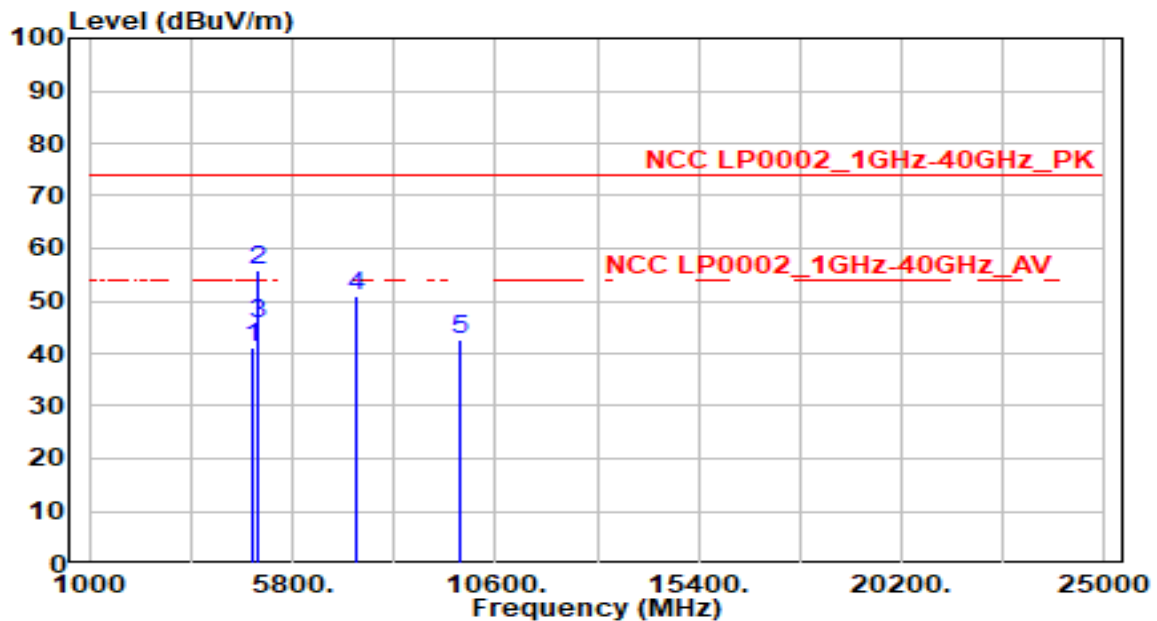


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	4834.000	54.46	-0.39	54.08	-19.92	74.00	100	290	Peak
2	*	4834.000	45.04	-0.39	44.65	-9.35	54.00	100	290	Average
3		4988.200	52.96	-0.09	52.87	-21.13	74.00	100	0	Peak
4		7251.000	48.67	4.54	53.21	-20.79	74.00	100	0	Peak
5		9668.000	38.86	4.39	43.25	-30.75	74.00	100	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

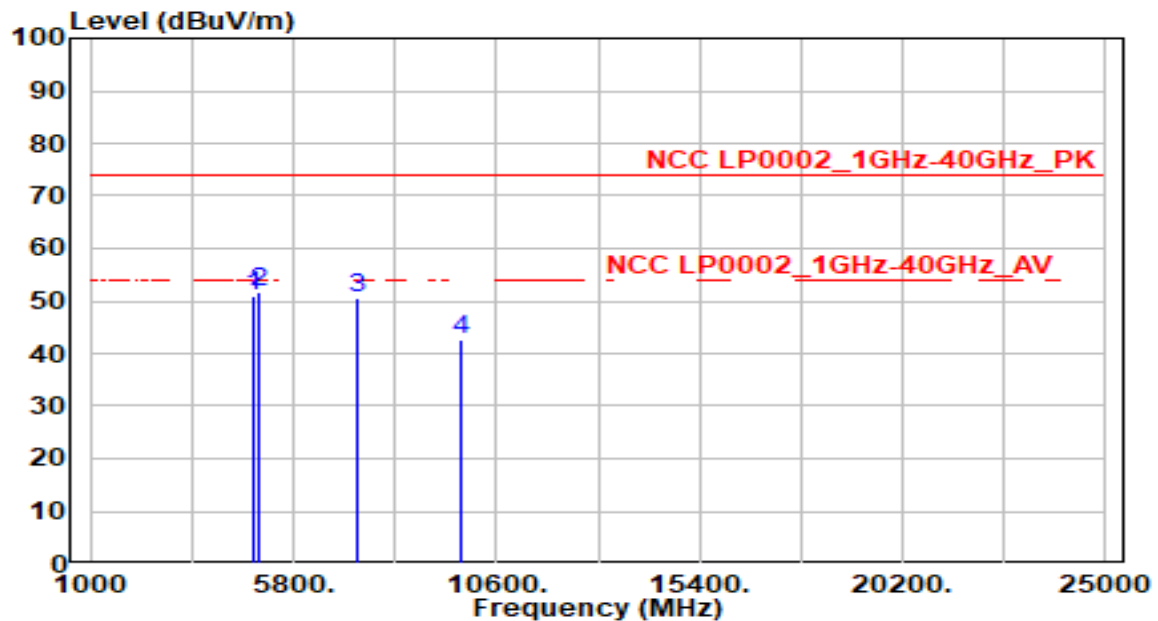


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	41.27	-0.31	40.96	-33.04	74.00	100	0	Peak
2	* 4983.100	55.91	-0.10	55.81	-18.19	74.00	100	0	Peak
3	* 4983.100	45.61	-0.10	45.51	-8.49	54.00	100	0	Average
4	7311.000	46.36	4.61	50.97	-23.03	74.00	100	0	Peak
5	9748.000	38.20	4.43	42.63	-31.37	74.00	100	0	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

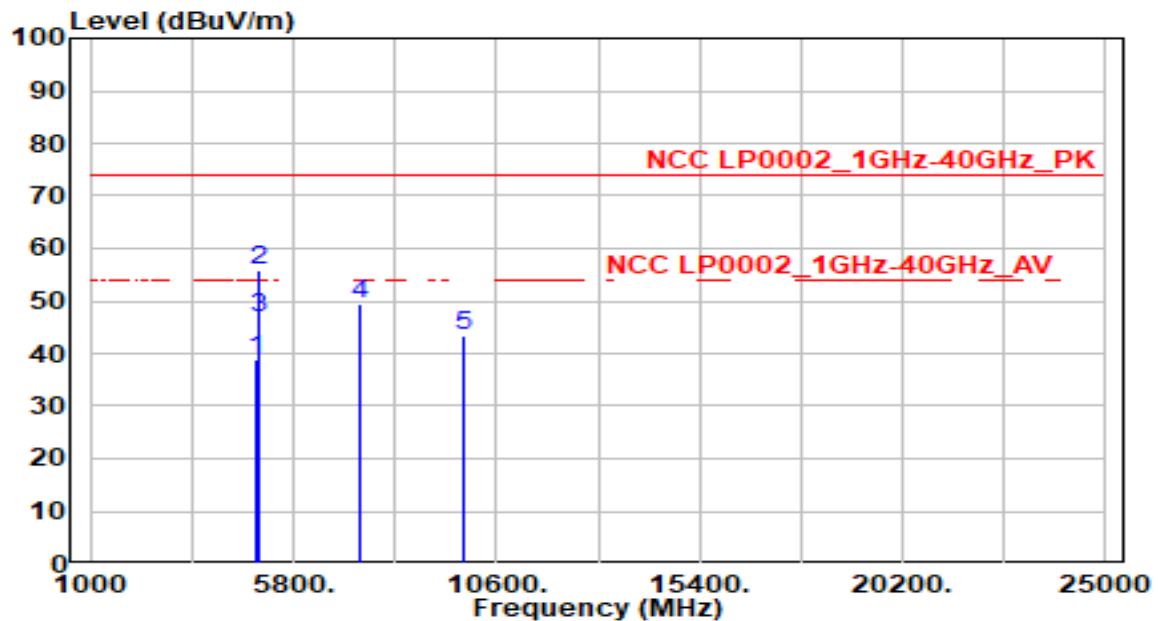


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	51.44	-0.31	51.12	-22.88	74.00	100	360	Peak
2	* 4990.325	51.93	-0.09	51.85	-22.15	74.00	100	360	Peak
3	7311.000	46.09	4.61	50.70	-23.30	74.00	100	360	Peak
4	9748.000	38.23	4.43	42.65	-31.35	74.00	100	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

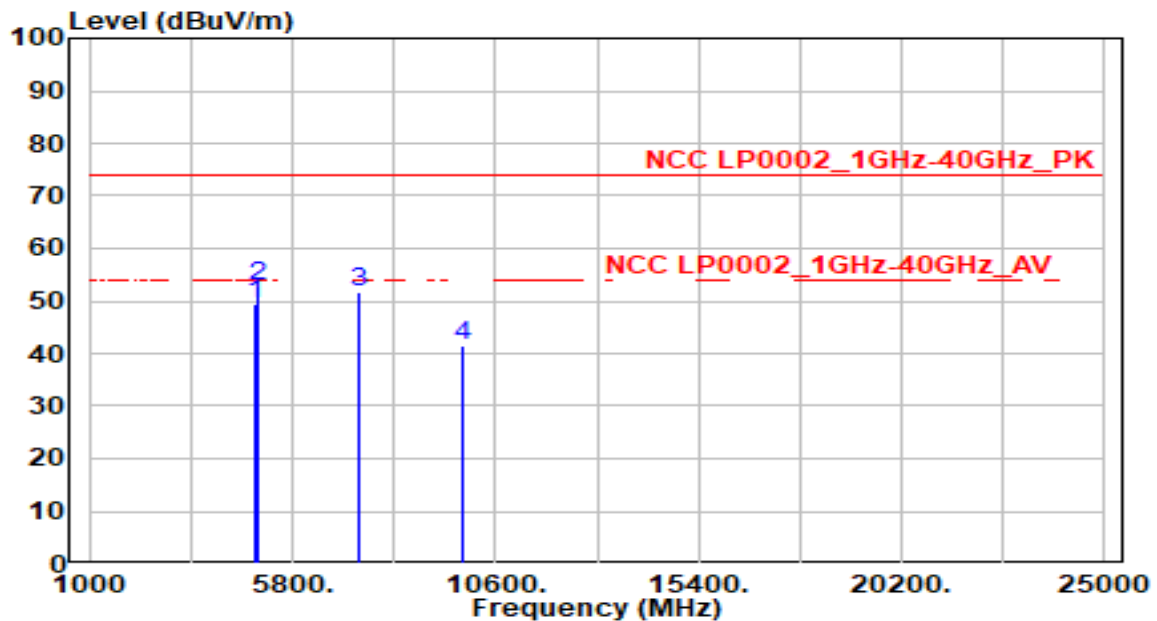


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4914.000	39.10	-0.24	38.86	-35.14	74.00	100	0	Peak
2	* 4989.900	56.05	-0.09	55.96	-18.04	74.00	100	0	Peak
3	* 4989.900	47.05	-0.09	46.96	-7.04	54.00	100	0	Average
4	7371.000	44.76	4.67	49.44	-24.56	74.00	100	0	Peak
5	9828.000	38.97	4.46	43.43	-30.57	74.00	100	0	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

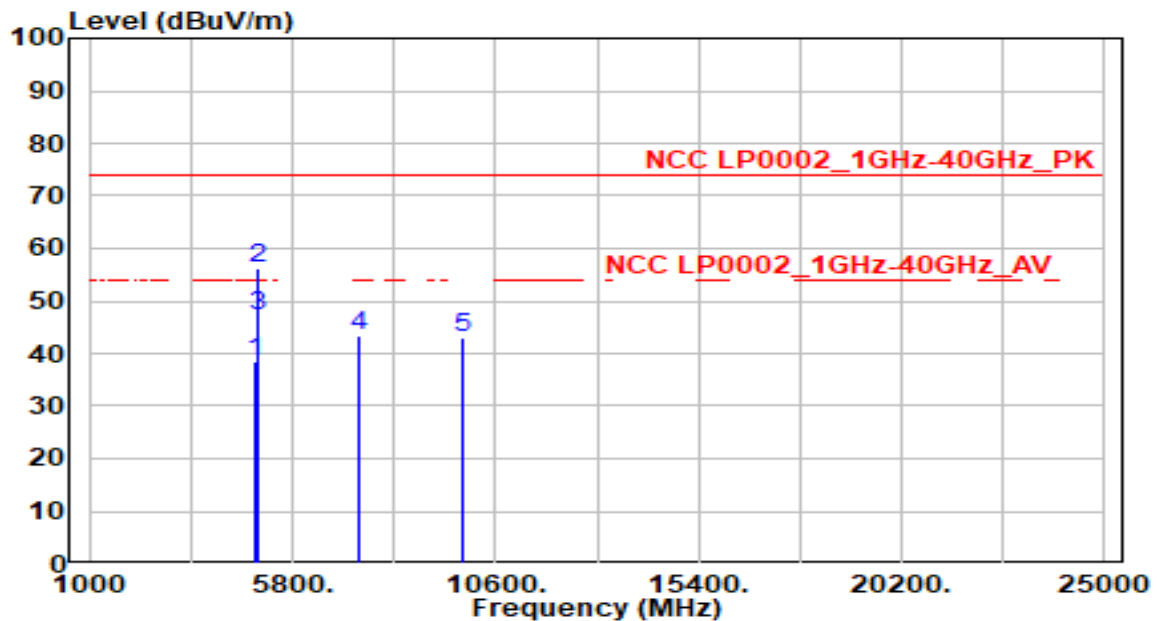


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4914.000	49.81	-0.24	49.57	-24.43	74.00	100	360	Peak
2	* 4976.725	53.02	-0.11	52.91	-21.09	74.00	100	360	Peak
3	7371.000	46.92	4.67	51.60	-22.40	74.00	100	360	Peak
4	9828.000	37.04	4.46	41.50	-32.50	74.00	100	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

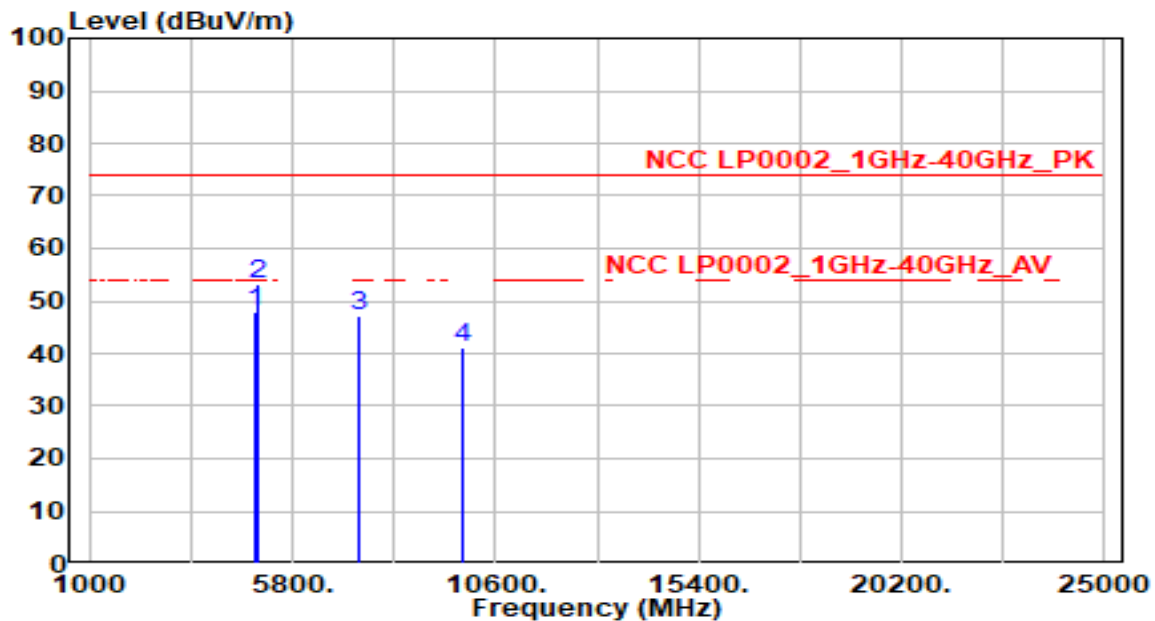


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4924.000	38.72	-0.22	38.50	-35.50	74.00	100	48	Peak
2	* 4978.000	56.26	-0.11	56.14	-17.86	74.00	100	48	Peak
3	* 4978.000	47.16	-0.11	47.04	-6.96	54.00	100	48	Average
4	7386.000	38.61	4.69	43.30	-30.70	74.00	100	48	Peak
5	9848.000	38.43	4.46	42.89	-31.11	74.00	100	48	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

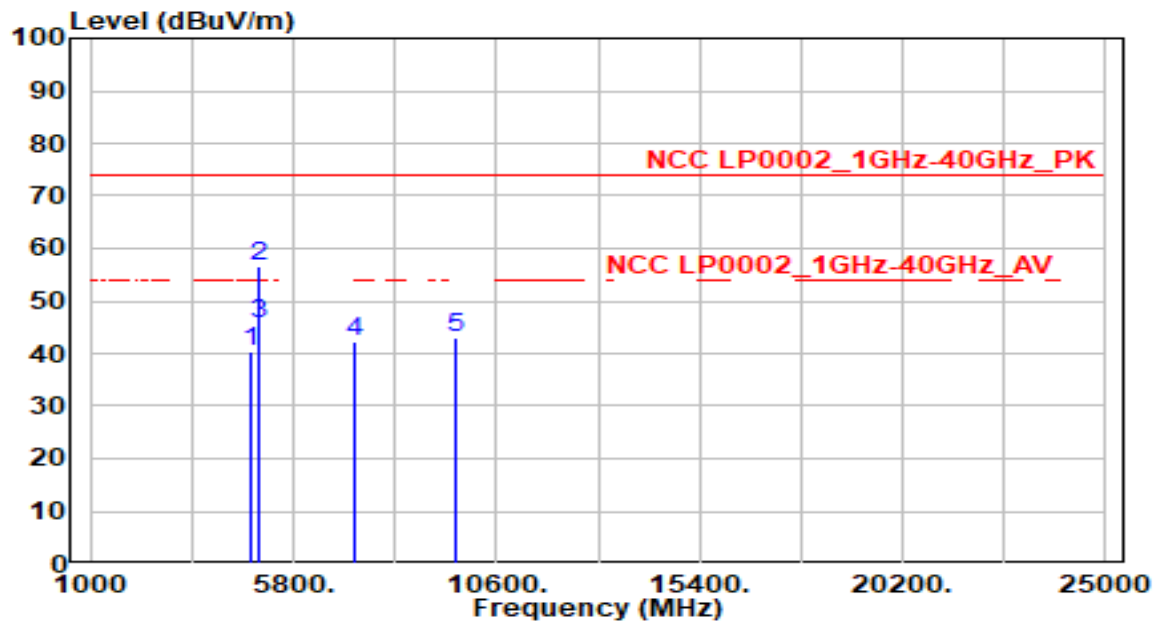


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4924.000	48.15	-0.22	47.93	-26.07	74.00	100	360	Peak
2	* 4982.250	53.14	-0.10	53.04	-20.96	74.00	100	360	Peak
3	7386.000	42.46	4.69	47.15	-26.85	74.00	100	360	Peak
4	9848.000	36.54	4.46	41.00	-33.00	74.00	100	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	By Notebook PC

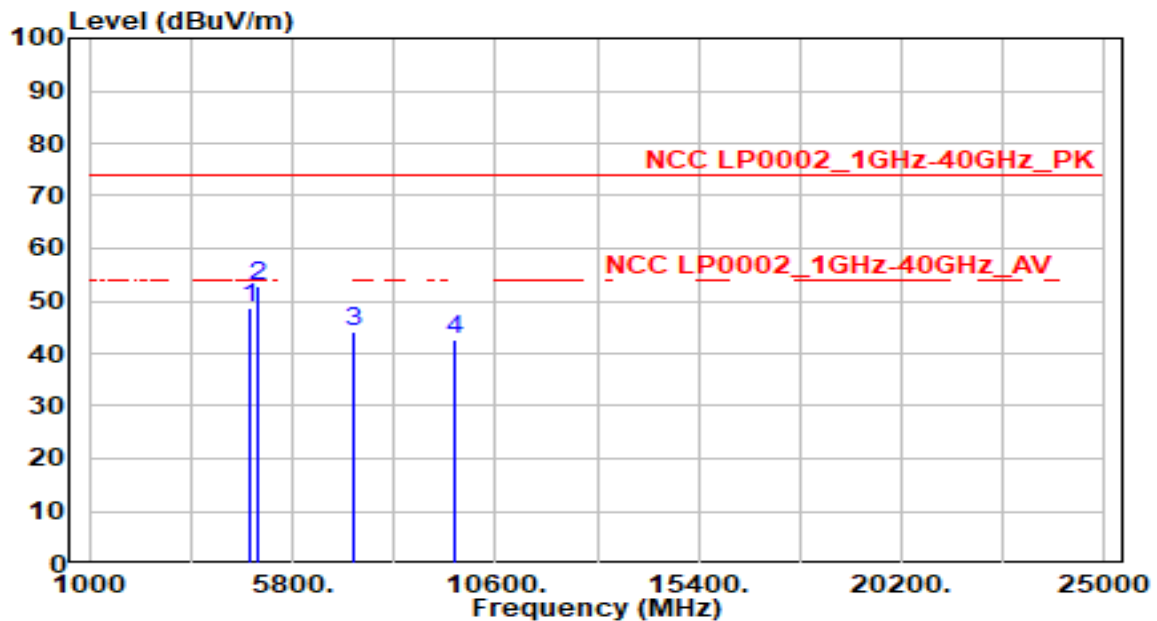


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4824.000	40.85	-0.41	40.44	-33.56	74.00	200	360	Peak
2	* 4990.000	56.82	-0.09	56.73	-17.27	74.00	100	110	Peak
3	* 4990.000	45.82	-0.09	45.73	-8.27	54.00	100	110	Average
4	7236.000	37.80	4.52	42.32	-31.68	74.00	100	0	Peak
5	9648.000	38.76	4.38	43.14	-30.86	74.00	100	240	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	By Notebook PC

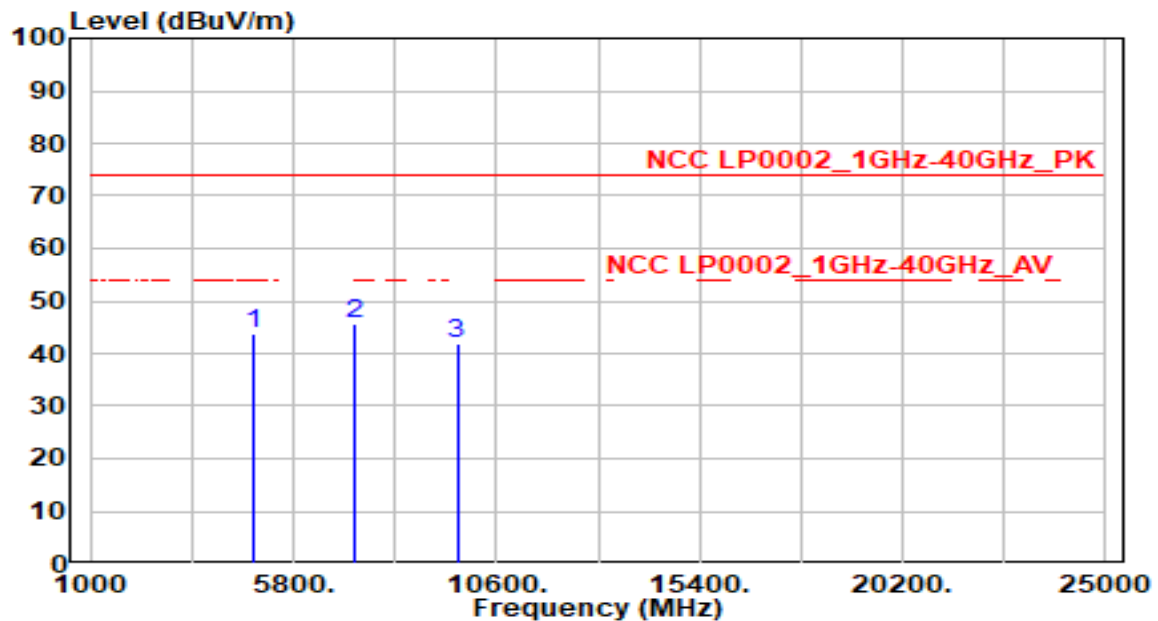


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4824.000	49.19	-0.41	48.78	-25.22	74.00	100	200	Peak
2	* 4990.000	52.79	-0.09	52.71	-21.29	74.00	200	310	Peak
3	7236.000	39.55	4.52	44.07	-29.93	74.00	200	360	Peak
4	9648.000	38.40	4.38	42.77	-31.23	74.00	200	100	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH2_ANT 0+1	Test Voltage	By Notebook PC

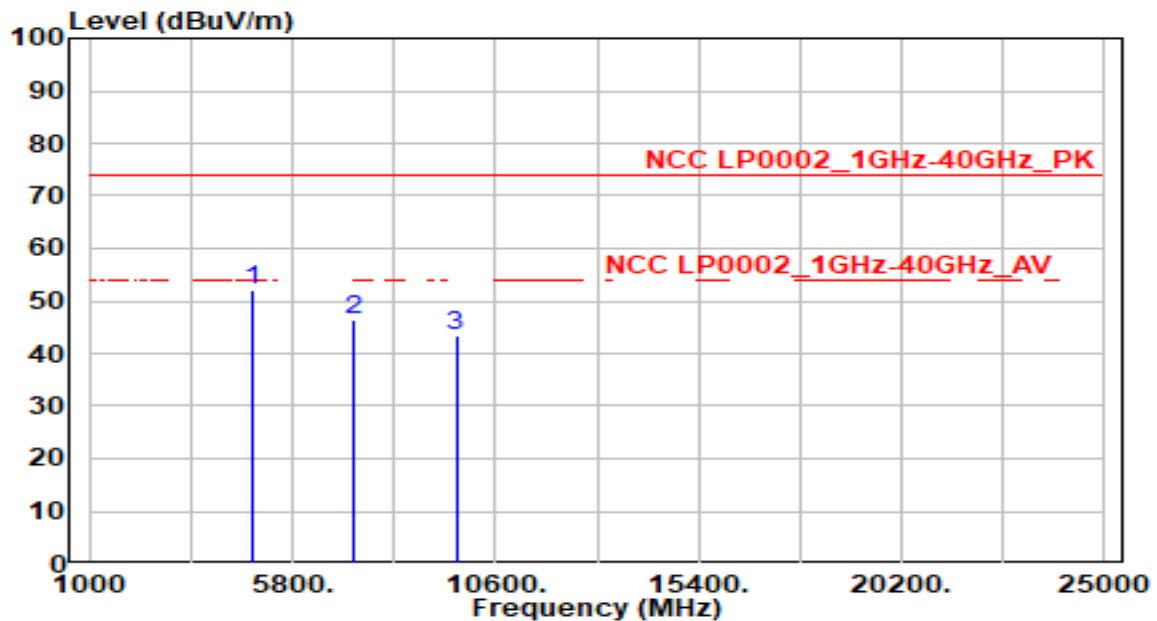


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4834.000	43.67	0.00	43.67	-30.33	74.00	300	10	Peak
2	* 7251.000	40.53	5.03	45.56	-28.44	74.00	300	130	Peak
3	9668.000	37.30	4.70	42.00	-32.00	74.00	100	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH2_ANT 0+1	Test Voltage	By Notebook PC

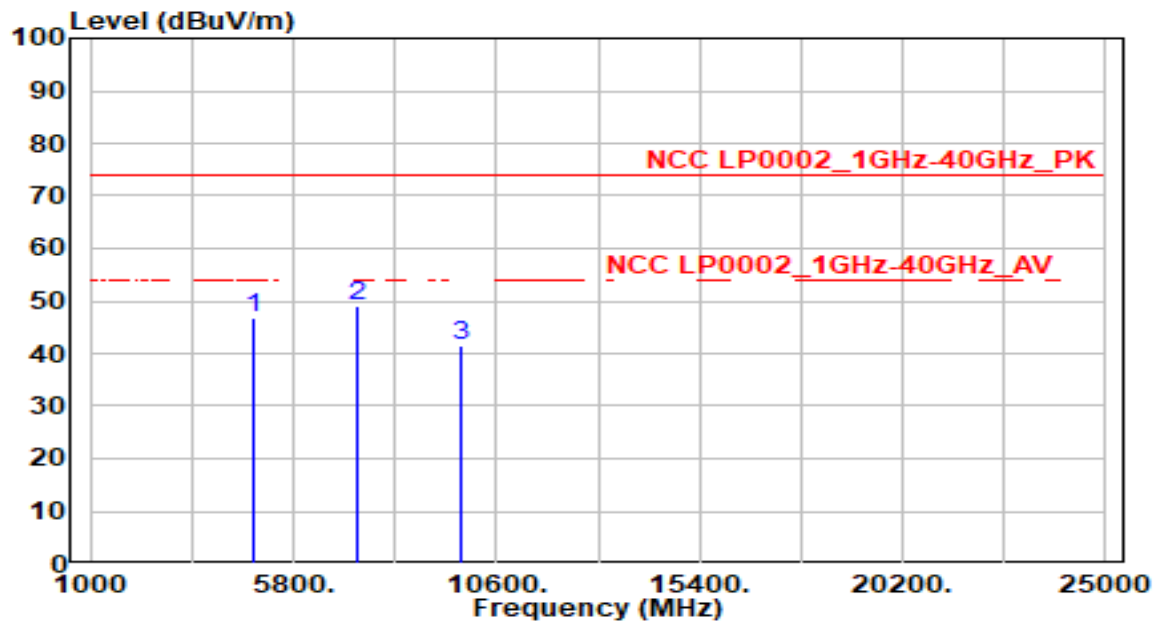


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4834.000	52.20	0.00	52.19	-21.81	74.00	100	285	Peak
2	7251.000	41.56	5.03	46.59	-27.41	74.00	200	15	Peak
3	9668.000	38.57	4.70	43.26	-30.74	74.00	200	55	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH6_ANT 0+1	Test Voltage	By Notebook PC

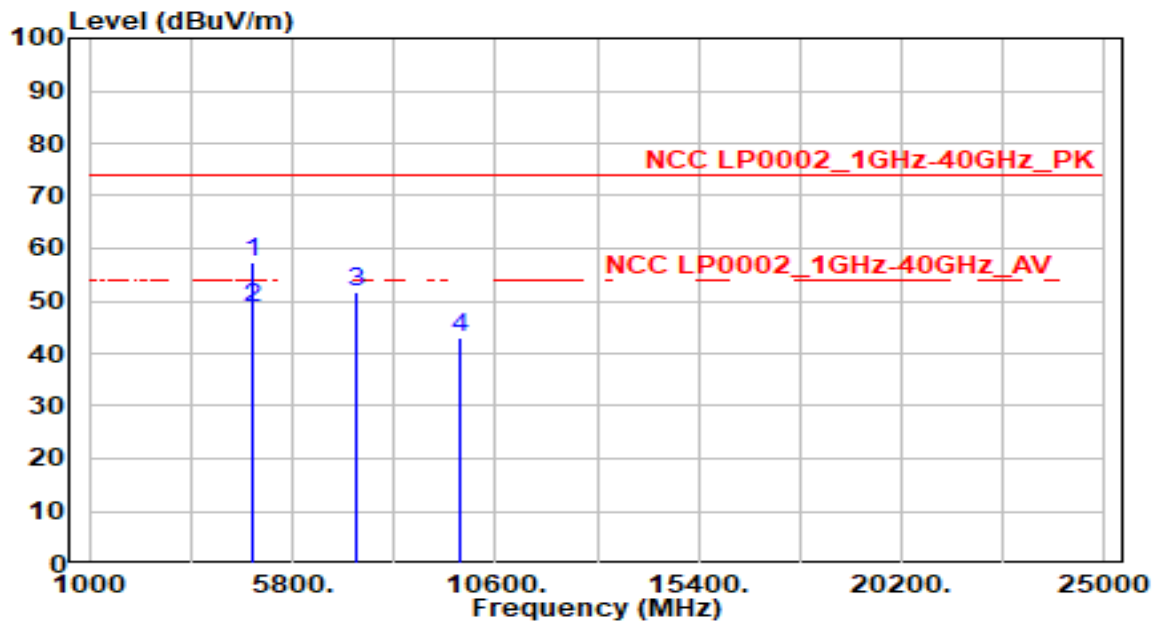


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	46.71	0.08	46.79	-27.21	74.00	175	360	Peak
2	* 7311.000	43.80	5.09	48.89	-25.11	74.00	100	40	Peak
3	9748.000	36.63	4.73	41.36	-32.64	74.00	135	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH6_ANT 0+1	Test Voltage	By Notebook PC

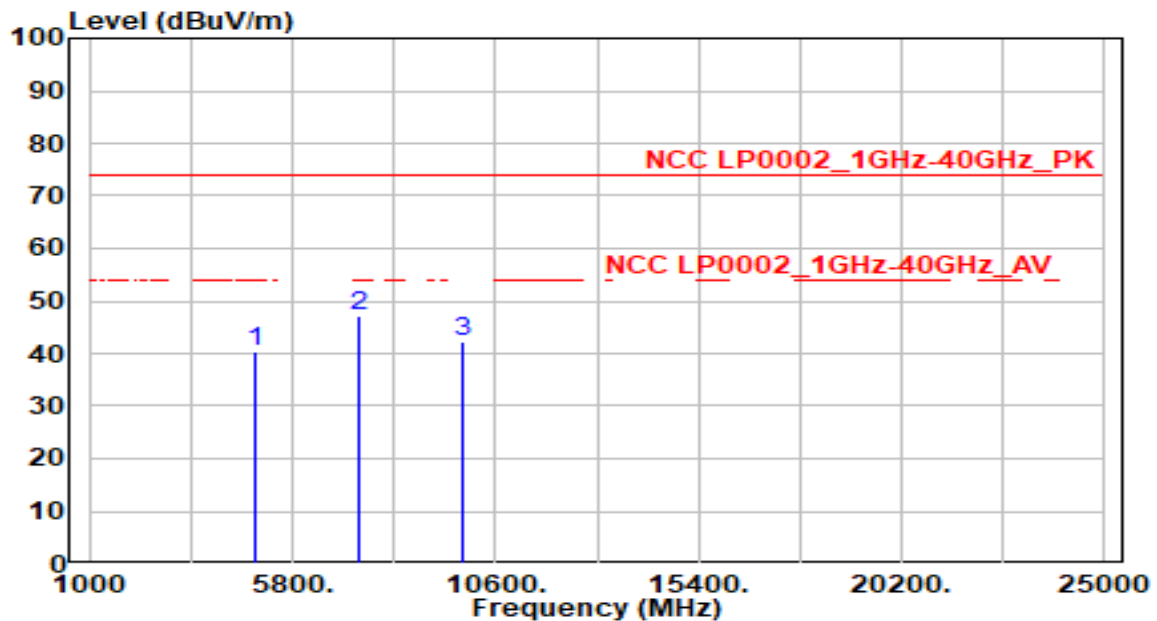


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	57.10	0.08	57.18	-16.82	74.00	115	220	Peak
2	* 4874.000	48.51	0.08	48.60	-5.40	54.00	115	220	Average
3	7311.000	46.51	5.09	51.60	-22.40	74.00	200	295	Peak
4	9748.000	38.36	4.73	43.09	-30.91	74.00	100	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH10_ANT 0+1	Test Voltage	By Notebook PC

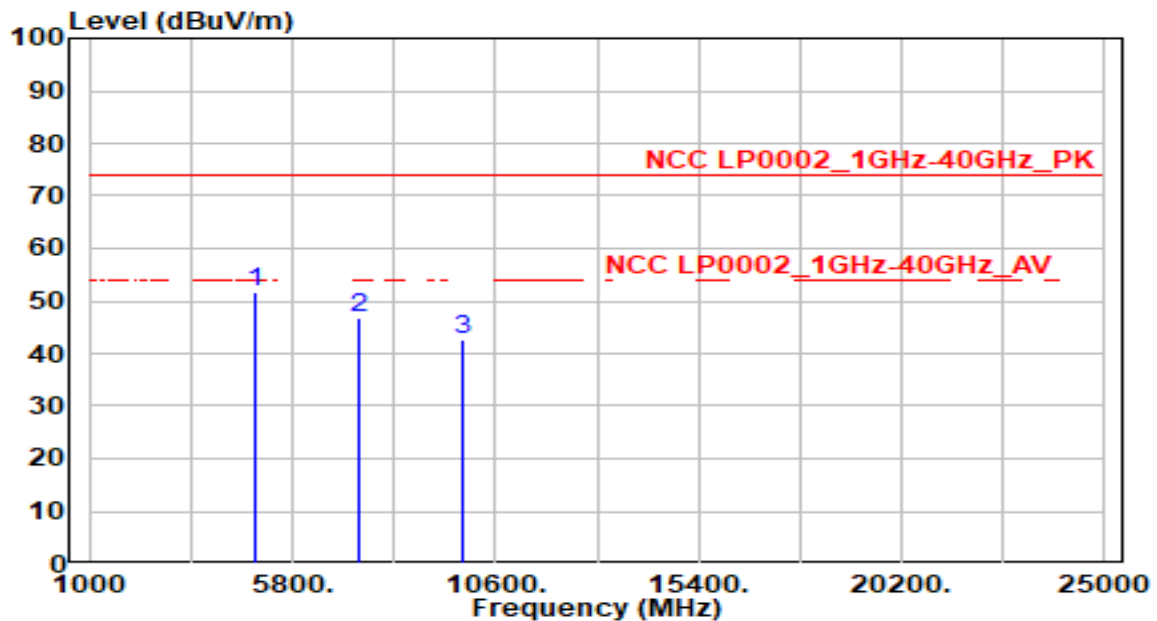


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4914.000	40.25	0.17	40.42	-33.58	74.00	200	0	Peak
2	* 7371.000	41.87	5.15	47.01	-26.99	74.00	200	30	Peak
3	9828.000	37.40	4.75	42.15	-31.85	74.00	200	100	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH10_ANT 0+1	Test Voltage	By Notebook PC

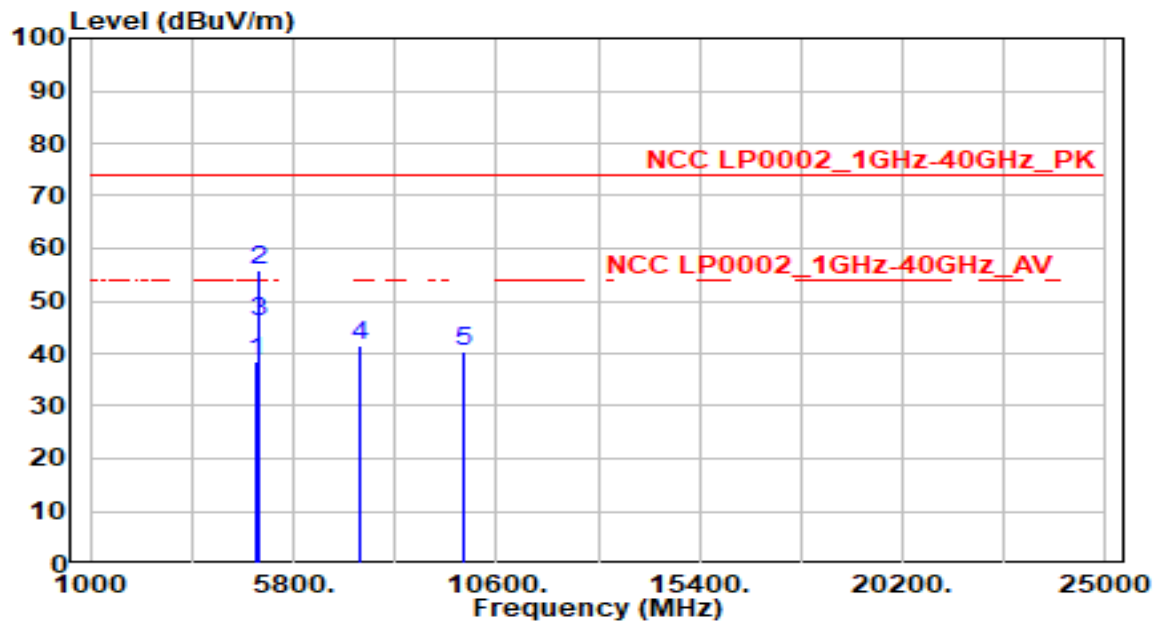


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4914.000	51.54	0.17	51.71	-22.29	74.00	100	20	Peak
2	7371.000	41.77	5.15	46.91	-27.09	74.00	100	275	Peak
3	9828.000	37.74	4.75	42.49	-31.51	74.00	200	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	By Notebook PC

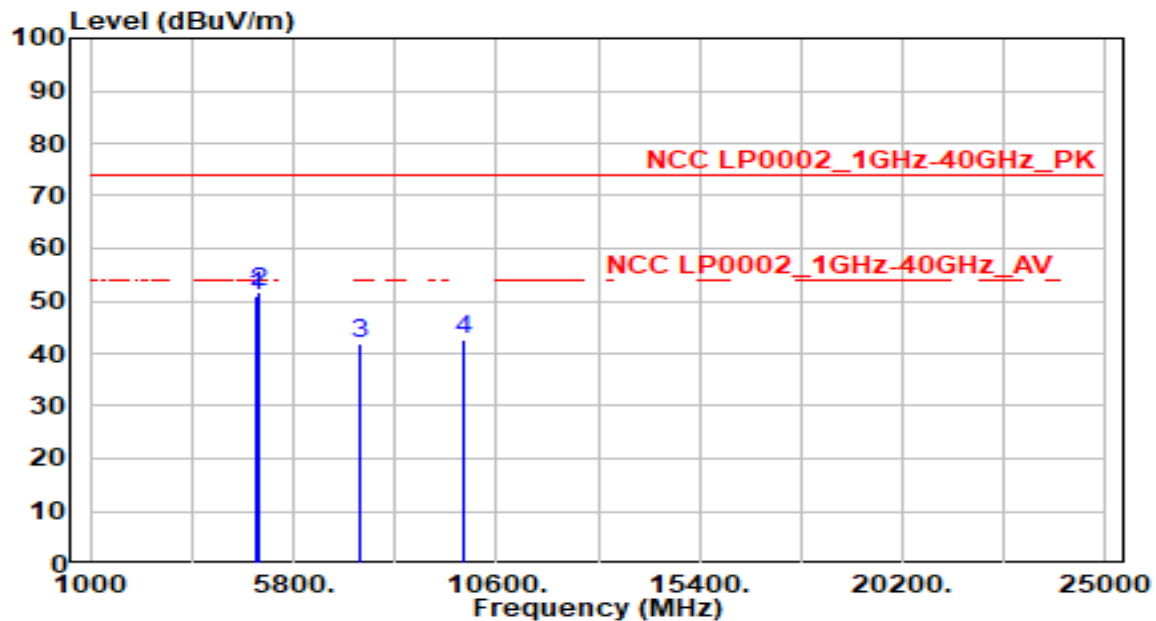


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4924.000	38.60	-0.22	38.38	-35.62	74.00	100	360	Peak
2	* 4976.725	56.08	-0.11	55.97	-18.03	74.00	100	360	Peak
3	* 4976.725	46.08	-0.11	45.97	-8.03	54.00	100	360	Average
4	7386.000	36.91	4.69	41.60	-32.40	74.00	100	360	Peak
5	9848.000	36.03	4.46	40.50	-33.50	74.00	100	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	By Notebook PC

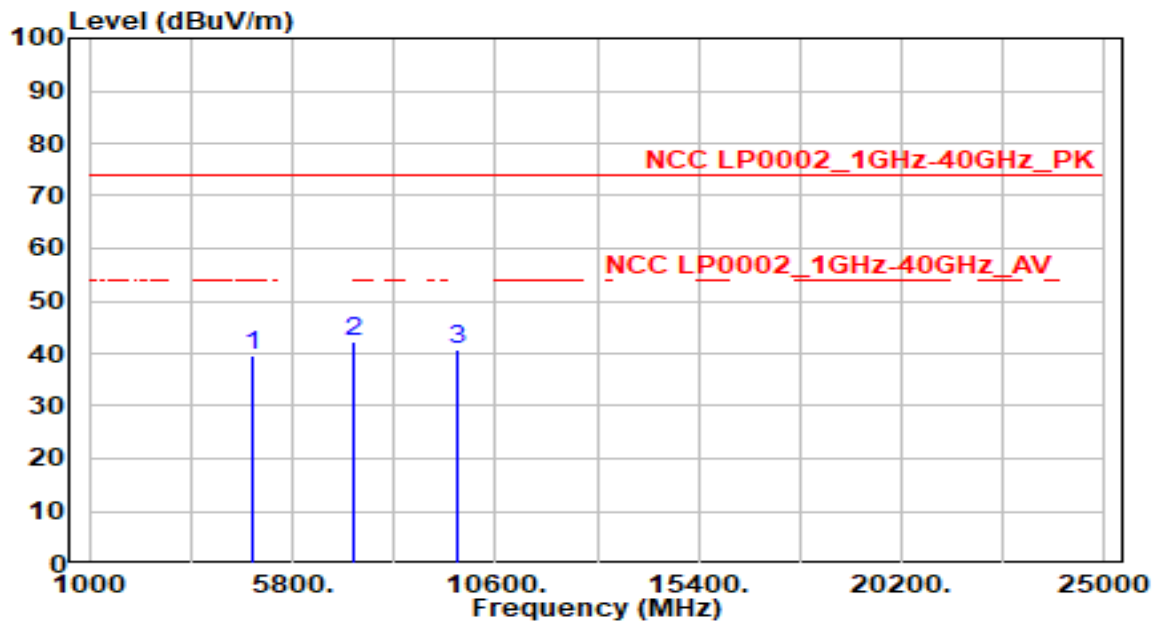


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4924.000	51.25	-0.22	51.03	-22.97	74.00	100	0	Peak
2	* 4976.725	51.99	-0.11	51.88	-22.12	74.00	100	0	Peak
3	7386.000	37.36	4.69	42.05	-31.95	74.00	100	0	Peak
4	9848.000	38.20	4.46	42.67	-31.33	74.00	100	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH3_ANT 0+1	Test Voltage	By Notebook PC

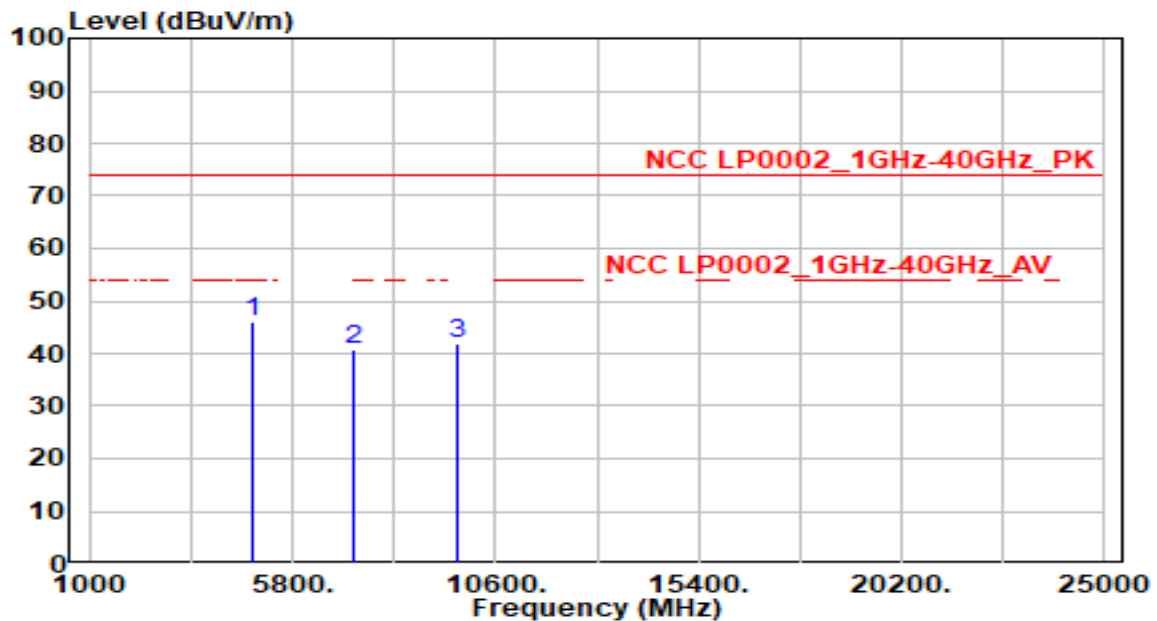


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4844.000	39.77	0.02	39.79	-34.21	74.00	100	250	Peak
2	* 7266.000	37.03	5.04	42.08	-31.92	74.00	200	200	Peak
3	9688.000	35.98	4.71	40.68	-33.32	74.00	200	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH3_ANT 0+1	Test Voltage	By Notebook PC

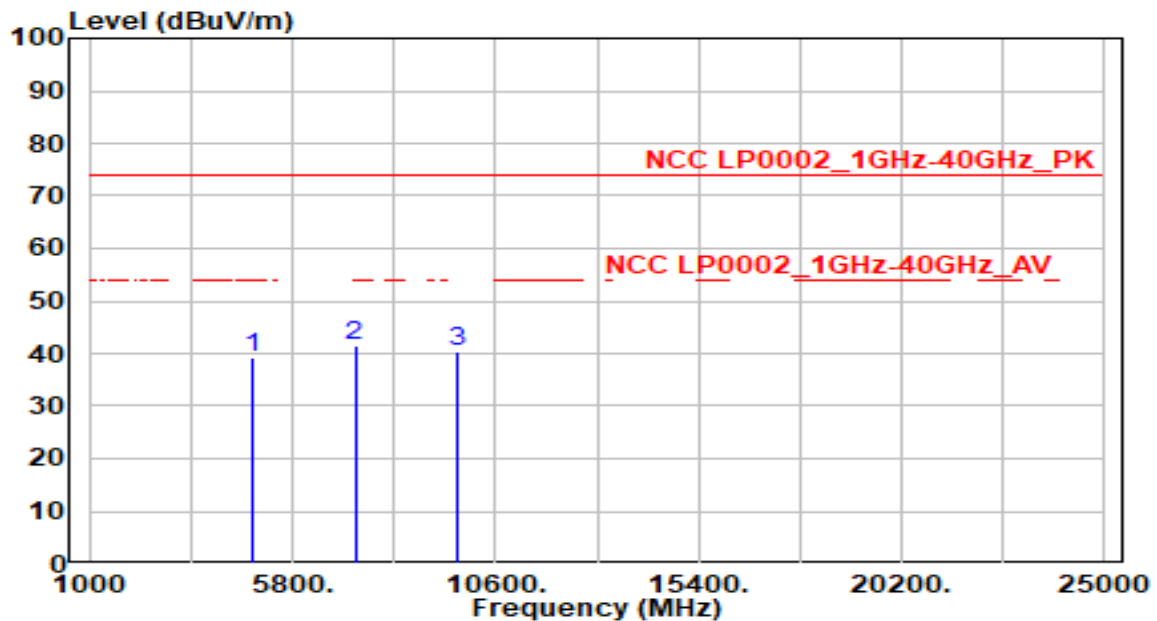


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4844.000	45.98	0.02	46.00	-28.00	74.00	100	350	Peak
2	7266.000	35.73	5.04	40.77	-33.23	74.00	200	235	Peak
3	9688.000	37.03	4.71	41.74	-32.26	74.00	100	350	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH4_ANT 0+1	Test Voltage	By Notebook PC

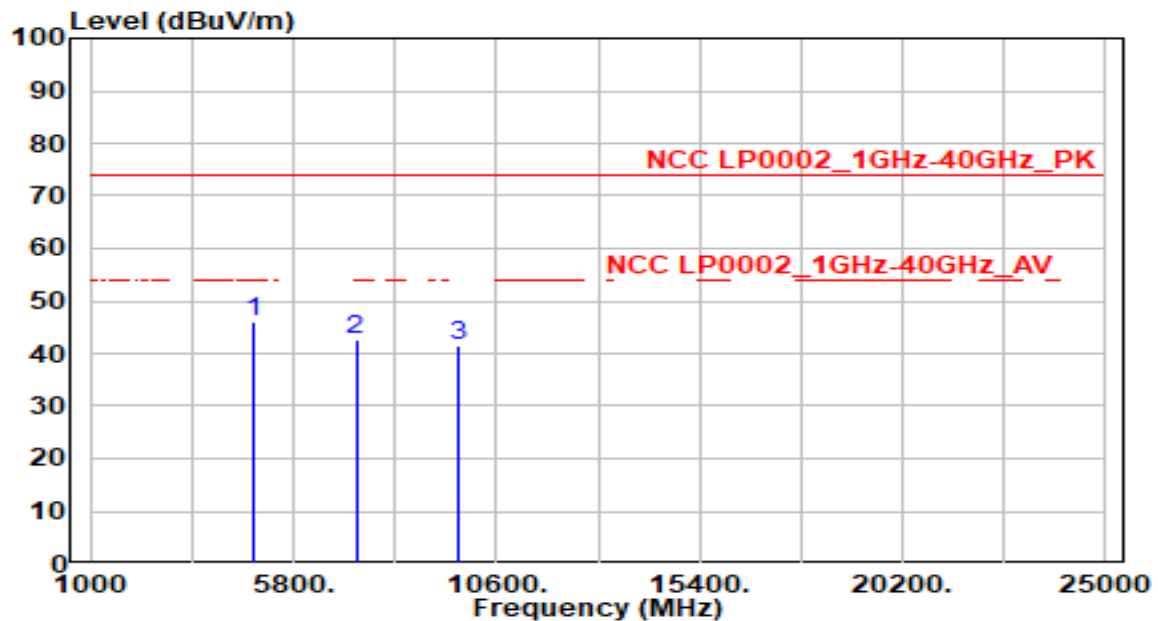


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4854.000	39.19	0.04	39.23	-34.77	74.00	185	360	Peak
2	* 7281.000	36.53	5.06	41.59	-32.41	74.00	100	145	Peak
3	9708.000	35.58	4.71	40.30	-33.70	74.00	200	345	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH4_ANT 0+1	Test Voltage	By Notebook PC

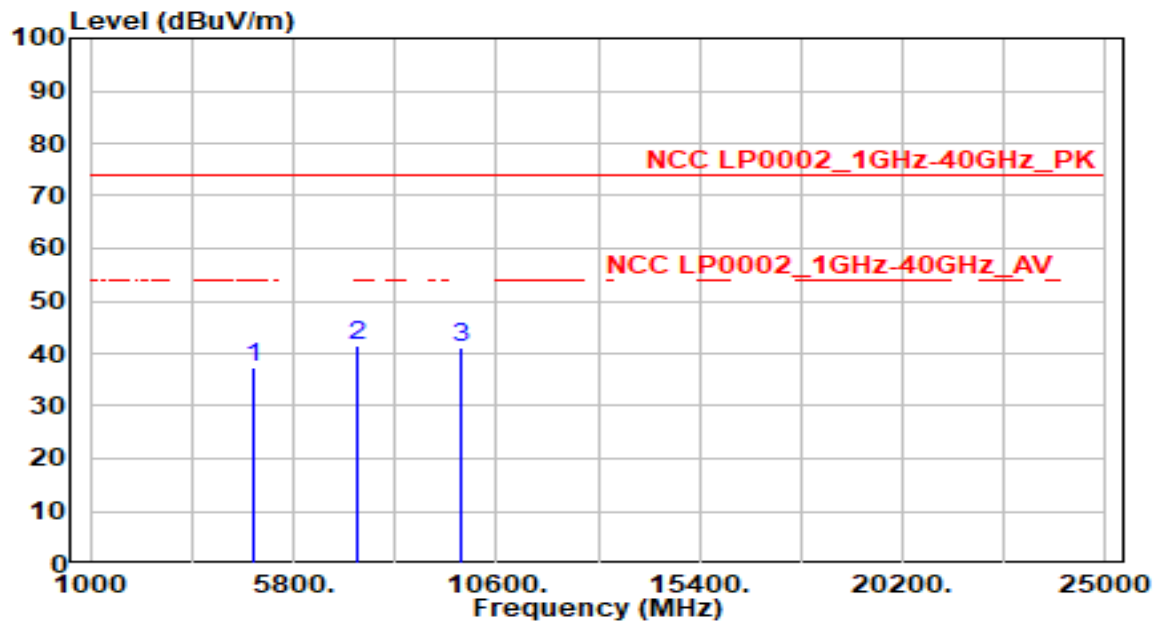


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4854.000	46.05	0.04	46.10	-27.90	74.00	100	40	Peak
2	7281.000	37.43	5.06	42.49	-31.51	74.00	160	360	Peak
3	9708.000	36.83	4.71	41.54	-32.46	74.00	160	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH6_ANT 0+1	Test Voltage	By Notebook PC

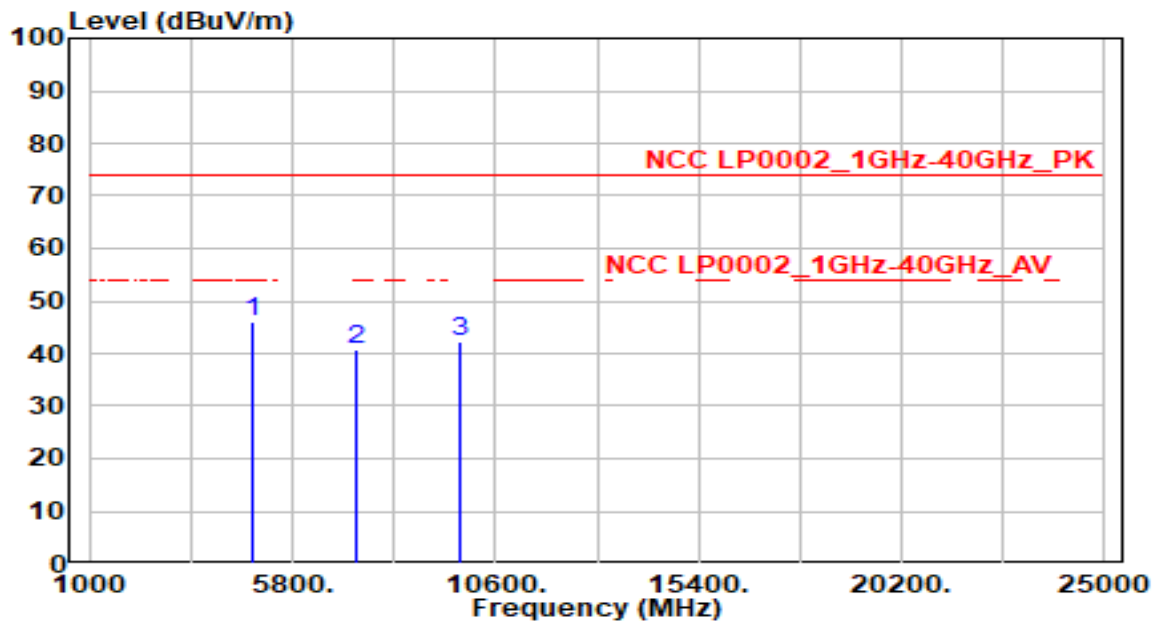


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4874.000	37.42	0.08	37.50	-36.50	74.00	200	360	Peak
2	* 7311.000	36.55	5.09	41.64	-32.36	74.00	100	85	Peak
3	9748.000	36.46	4.73	41.19	-32.81	74.00	100	335	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH6_ANT 0+1	Test Voltage	By Notebook PC

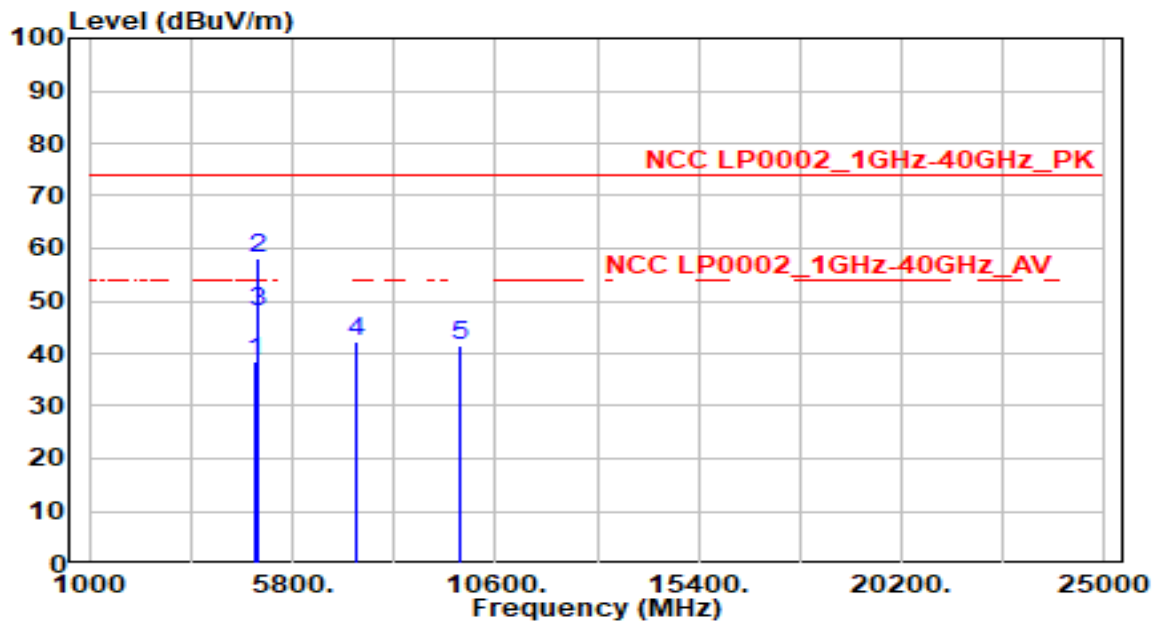


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 4874.000	46.06	0.08	46.15	-27.85	74.00	100	65	Peak
2	7311.000	35.74	5.09	40.83	-33.17	74.00	200	140	Peak
3	9748.000	37.66	4.73	42.39	-31.61	74.00	105	360	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 8_ANT 0+1	Test Voltage	By Notebook PC

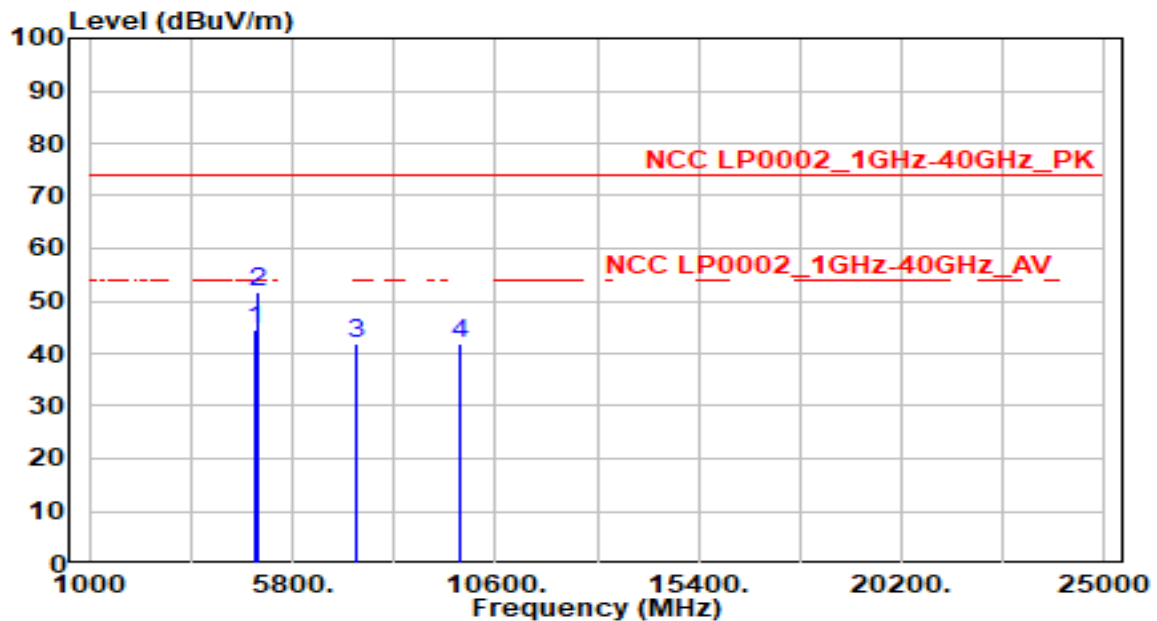


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4894.000	38.84	-0.28	38.56	-35.44	74.00	100	360	Peak
2	* 4994.900	58.14	-0.08	58.06	-15.94	74.00	100	360	Peak
3	* 4994.900	47.84	-0.08	47.76	-6.24	54.00	100	360	Average
4	7341.000	37.67	4.64	42.32	-31.68	74.00	100	360	Peak
5	9788.000	37.01	4.45	41.46	-32.54	74.00	100	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 8_ANT 0+1	Test Voltage	By Notebook PC

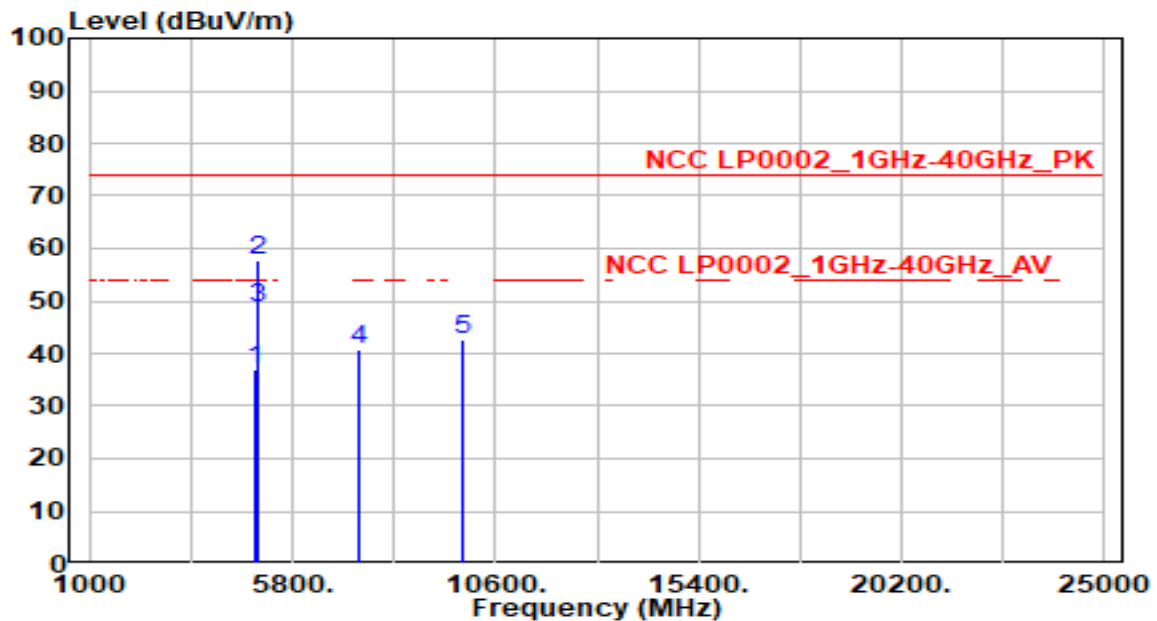


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4894.000	44.63	-0.28	44.35	-29.65	74.00	100	0	Peak
2	* 4994.050	51.82	-0.08	51.74	-22.26	74.00	100	0	Peak
3	7341.000	37.20	4.64	41.84	-32.16	74.00	100	0	Peak
4	9788.000	37.46	4.45	41.91	-32.09	74.00	100	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	By Notebook PC

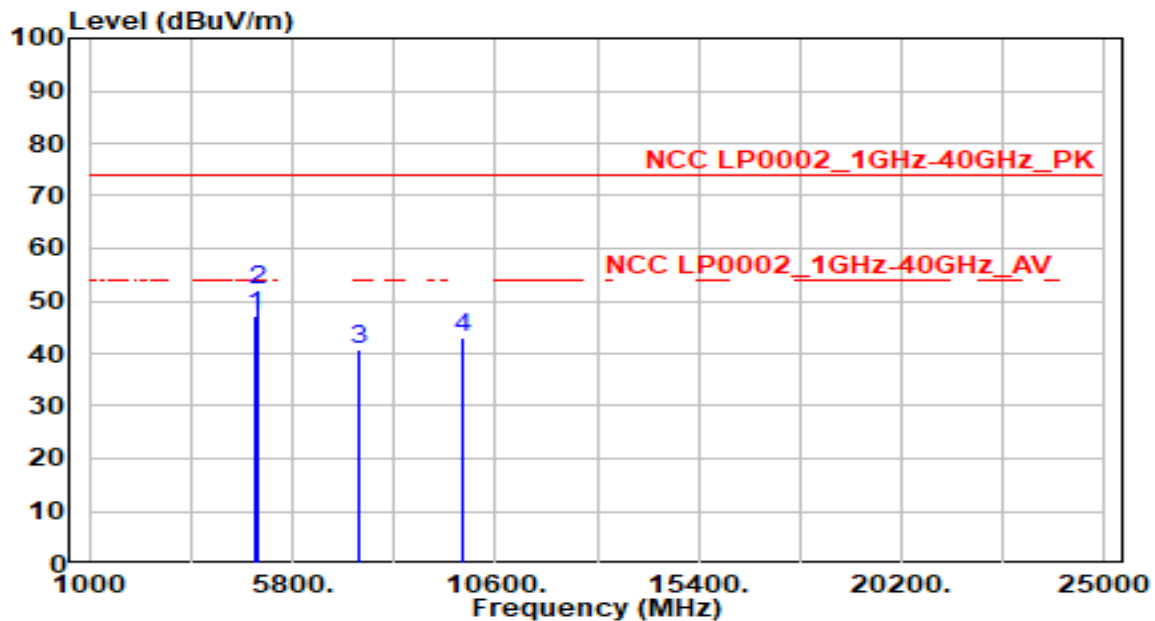


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4904.000	37.38	-0.26	37.12	-36.88	74.00	100	360	Peak
2	* 4983.425	57.76	-0.10	57.66	-16.34	74.00	100	360	Peak
3	* 4983.425	48.76	-0.10	48.66	-5.34	54.00	100	360	Average
4	7356.000	35.96	4.66	40.62	-33.38	74.00	100	360	Peak
5	9808.000	38.23	4.46	42.69	-31.31	74.00	100	360	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	By Notebook PC

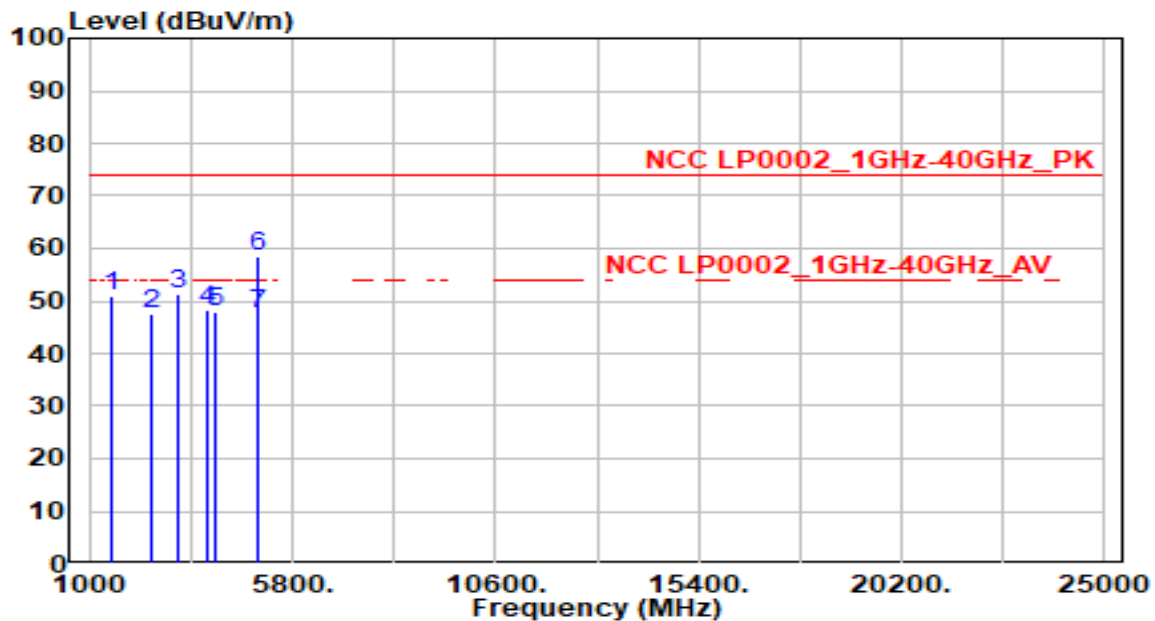


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	4904.000	47.42	-0.26	47.17	-26.83	74.00	100	0	Peak
2	* 4999.150	52.06	-0.07	51.99	-22.01	74.00	100	0	Peak
3	7356.000	35.99	4.66	40.65	-33.35	74.00	100	0	Peak
4	9808.000	38.57	4.46	43.03	-30.97	74.00	100	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_RX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

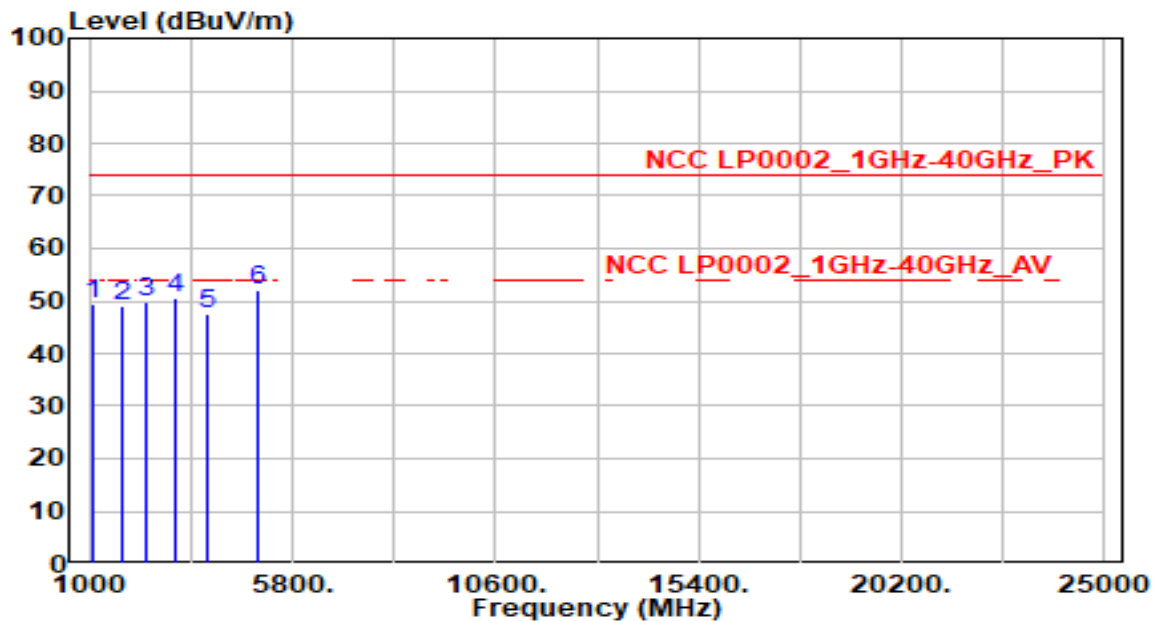


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1526.987	58.76	-7.95	50.81	-23.19	74.00	100	360	Peak
2	2494.688	52.93	-5.54	47.39	-26.61	74.00	100	360	Peak
3	3126.222	55.31	-4.12	51.18	-22.82	74.00	100	360	Peak
4	3776.456	50.49	-2.23	48.27	-25.73	74.00	100	360	Peak
5	3971.526	50.01	-1.93	48.08	-25.92	74.00	100	360	Peak
6	* 4991.500	58.56	-0.08	58.48	-15.52	74.00	100	360	Peak
7	* 4991.500	47.56	-0.08	47.48	-6.52	54.00	100	360	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E & BBHA 9170	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_RX_CH 6_ANT 0+1	Test Voltage	By Notebook PC



No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	1104.972	58.07	-8.63	49.43	-24.57	74.00	100	0	Peak
2	1768.806	56.56	-7.66	48.90	-25.10	74.00	100	0	Peak
3	2335.317	55.55	-5.73	49.82	-24.18	74.00	100	0	Peak
4	3051.424	54.61	-4.14	50.47	-23.53	74.00	100	0	Peak
5	3771.356	49.81	-2.25	47.56	-26.44	74.00	100	0	Peak
6	* 4999.575	52.04	-0.07	51.98	-22.02	74.00	100	0	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

5.6 頻帶邊緣

5.6.1 量測方法

待測物置於非導體桌面（落地型產品置於地上），受測物使用交流電源時，將其與任何配件設備之電源線連接至位於旋轉桌的交流電源。受測物使用電池時，測試時應裝置新電池或充電完全的電池。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，接收天線並應於水平及垂直極化方向各量測一次。（待測物擺設方式根據 ANSI C63.10-2013版，待測物放置桌中心，1G以下擺設高度為80cm/1G以上擺設高度為150cm）

- (1) 任一頻率小於或等於1000 MHz 之訊號,使用CISPR準峰值檢波器
- (2) 任一頻率大於1000 MHz 之訊號，使用平均值檢波器測量，當規定之發射限制值為平均值時(含1000 MHz 以下)，受測訊號藉由峰值檢波器(RBW:1MHz,VBW:3MHz)所測量之峰值，亦須符合峰值發射限制值，其峰值發射限制值為最大容許平均值加20 dB。

備註: 若為手持式或穿戴式之裝置，需對其三個正交軸的方位評估測試，並記錄最差的數值。

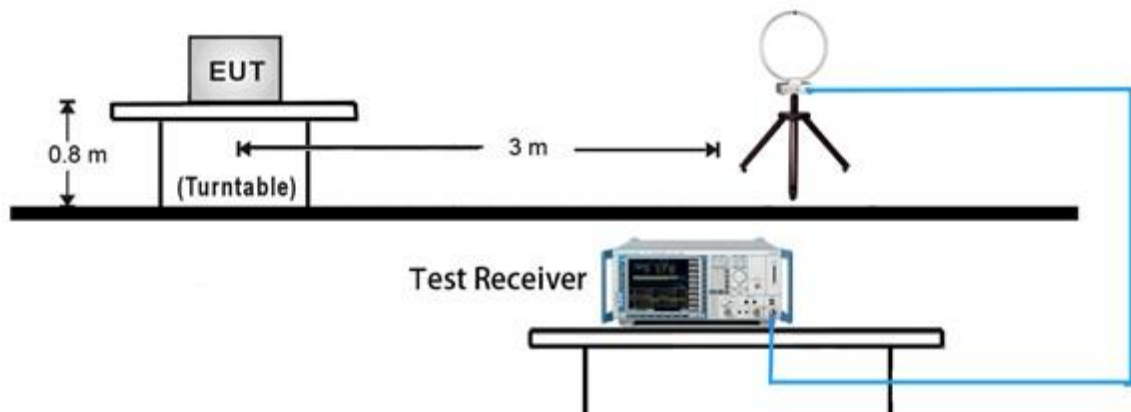
5.6.2 限制要求

除低功率射頻器材技術規範另有規定外，任何低功率射頻器材之主波皆不得使用下表所列各頻段之頻率低功率射頻器材落於下表所列頻帶內之混附發射，其電場強度必須符合低功率射頻器材技術規範之第3.6節限制規定

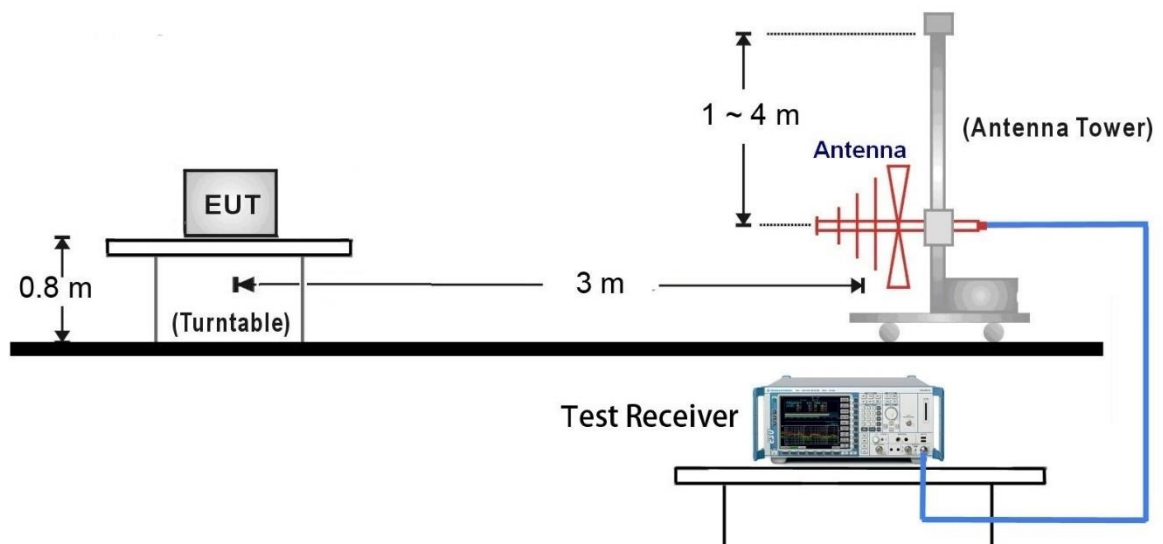
頻 率(MHz)	頻 率(MHz)	頻 率(MHz)	頻 率(MHz)	頻 率(MHz)
0.090~0.110	25.500~25.700	703.00~748.00	2310.0~2390.0	13250~13400
0.490~0.510	37.475~38.275	758.00~803.00	2483.5~2900.0	14470~14500
2.172~2.198	73.500~75.400	825.00~915.00	3260.0~3267.0	15350~16200
3.013~3.033	108.00~138.00	930.00~1240.0	3332.0~3339.0	17700~21400
4.115~4.198	149.90~150.05	1300.0~1427.0	3345.8~3358.0	22010~23120
5.670~5.690	156.70~156.90	1435.0~1626.5	3500.0~4400.0	23600~24000
6.200~6.300	162.01~167.17	1660.0~1785.0	4500.0~5250.0	31200~31800
8.230~8.400	167.72~173.20	1805.0~1880.0	5350.0~5460.0	36430~36500
12.265~12.600	240.00~285.00	1885.0~1900.0	7250.0~7750.0	38600 以上
13.340~13.430	322.00~335.40	1905.0~1985.0	8025.0~8500.0	
14.965~15.020	399.90~410.00	2010.0~2025.0	9000.0~9200.0	
16.700~16.755	485.00~510.00	2110.0~2170.0	9300.0~9500.0	
19.965~20.020	608.00~614.00	2200.0~2300.0	10600~12700	

5.6.3 測試架構圖

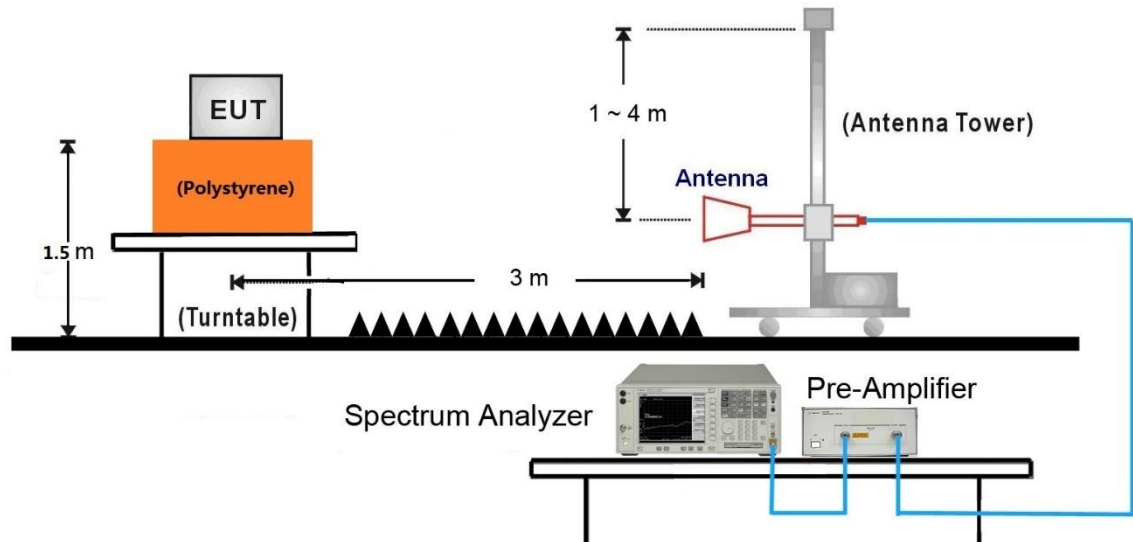
Under 30MHz Test



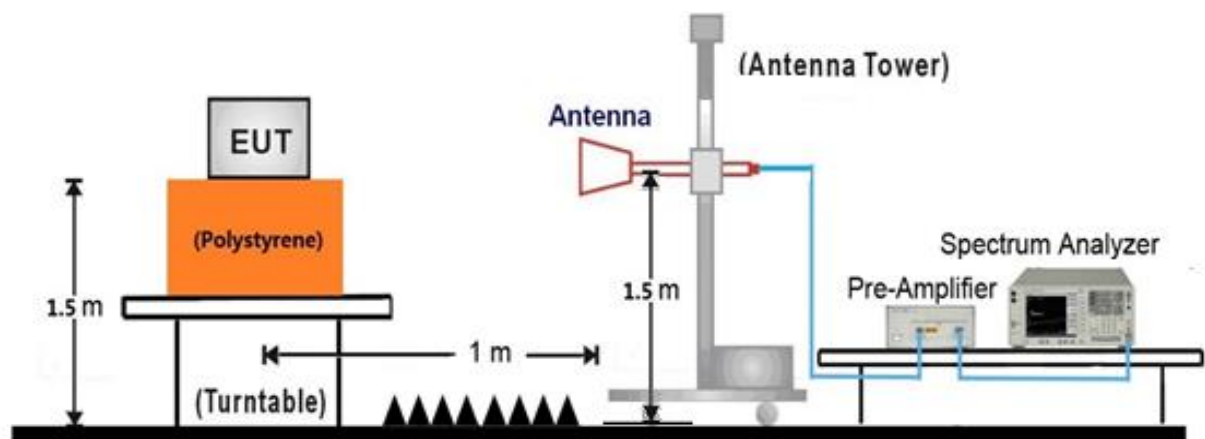
Under 1GHz Test Setup



1GHz ~ 18GHz Test Setup:

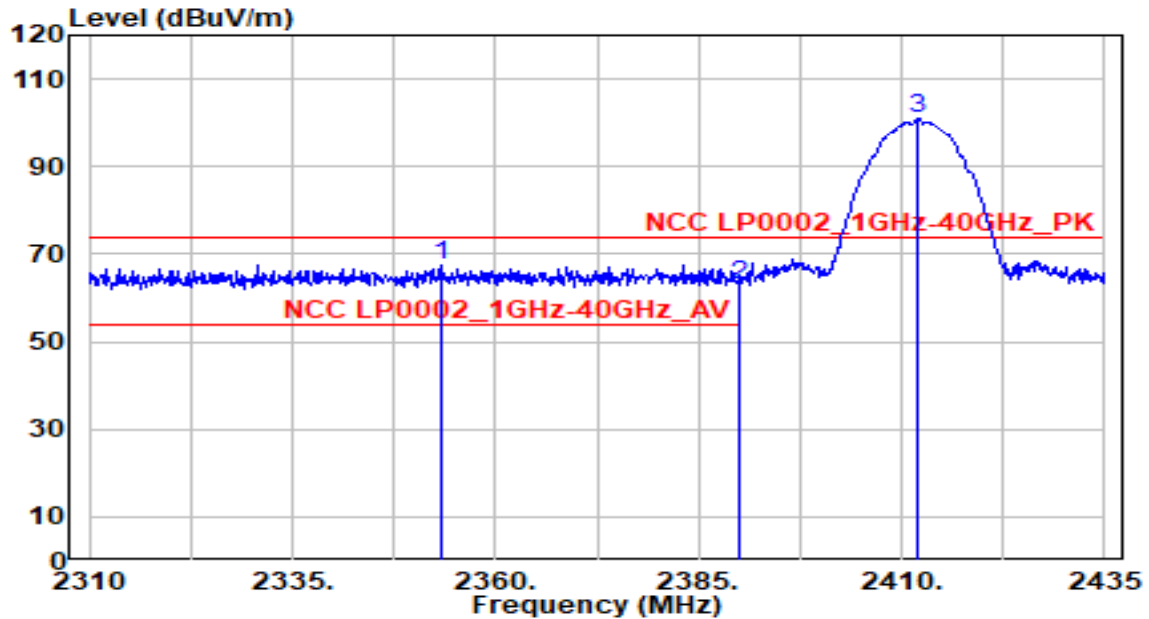


18GHz ~ 25GHz Test Setup:



5.6.4 頻帶邊緣測試結果

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

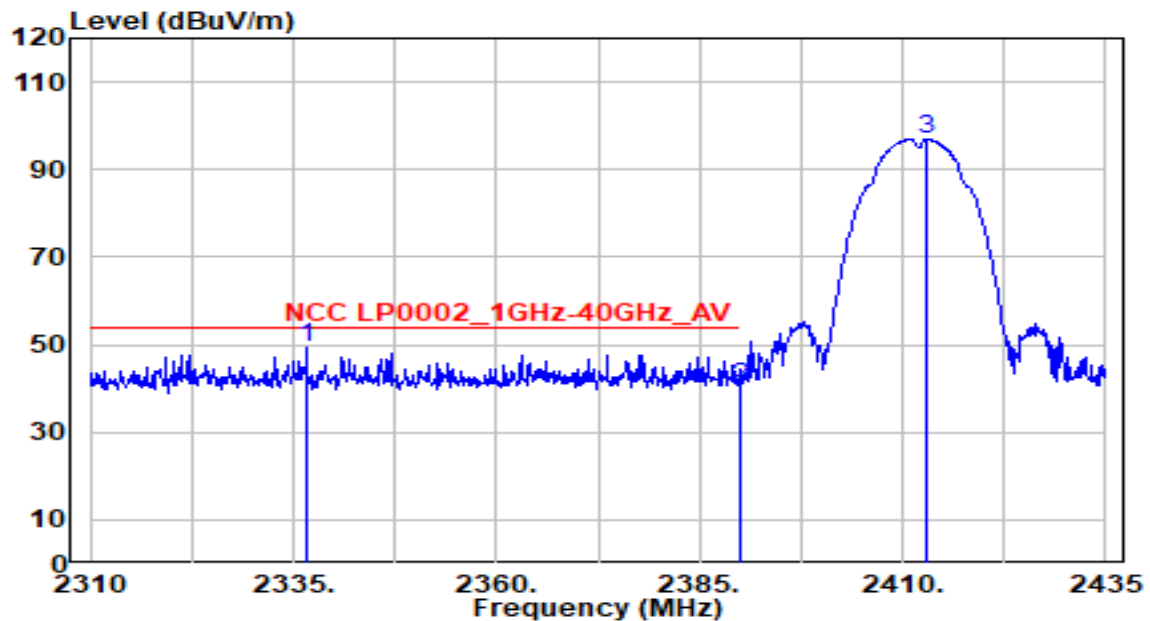


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2353.250	37.34	30.20	67.55	-6.45	74.00	200	260	Peak
2		2390.000	32.62	30.29	62.91	-11.09	74.00	200	260	Peak
3		2412.000	70.71	30.33	101.05	N/A	N/A	200	260	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

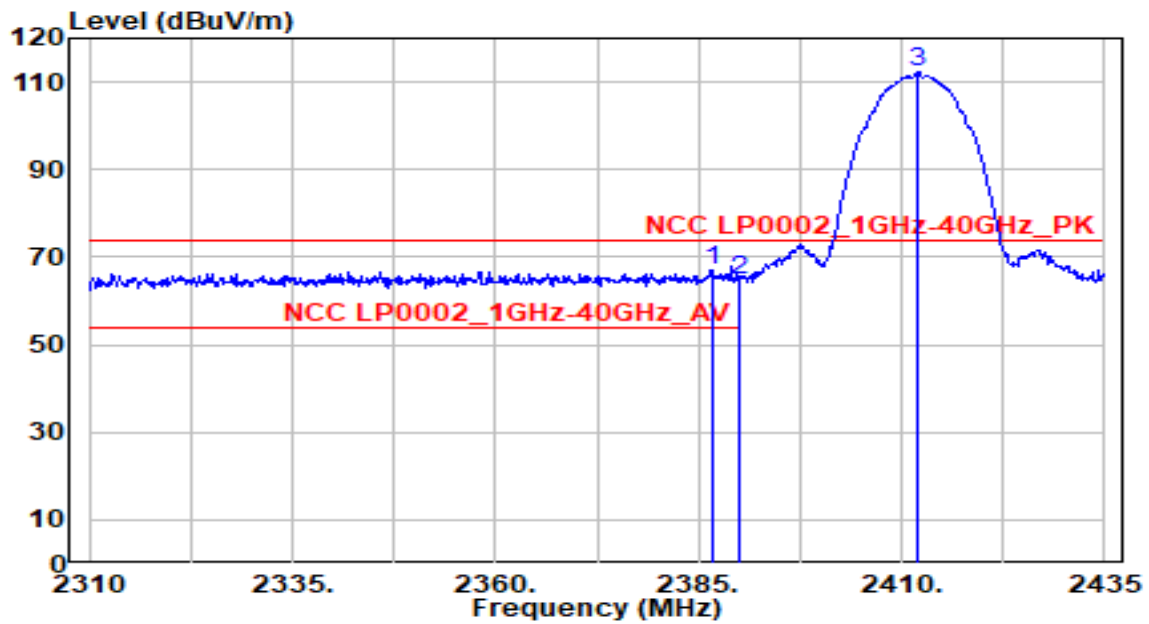


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2336.625	19.15	30.16	49.31	-4.69	54.00	200	260	Average
2		2390.000	10.11	30.29	40.40	-13.60	54.00	200	260	Average
3		2413.000	66.63	30.33	96.96	N/A	N/A	200	260	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

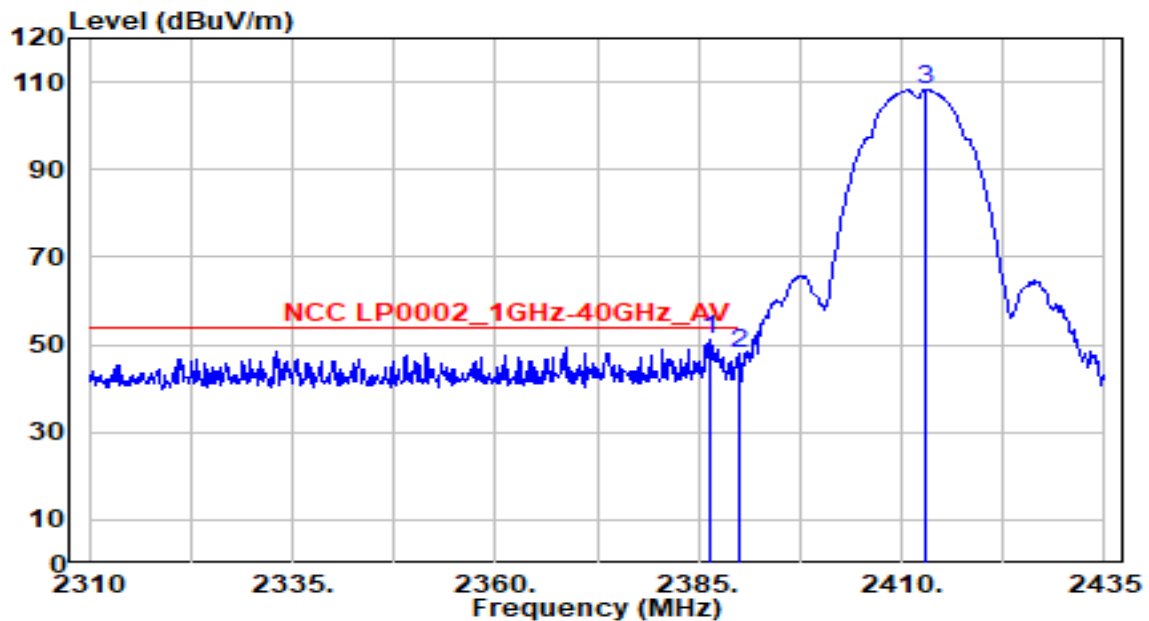


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2386.625	36.70	30.28	66.98	-7.02	74.00	205	190	Peak
2		2390.000	34.69	30.29	64.98	-9.02	74.00	205	190	Peak
3		2412.000	81.86	30.33	112.19	N/A	N/A	205	190	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

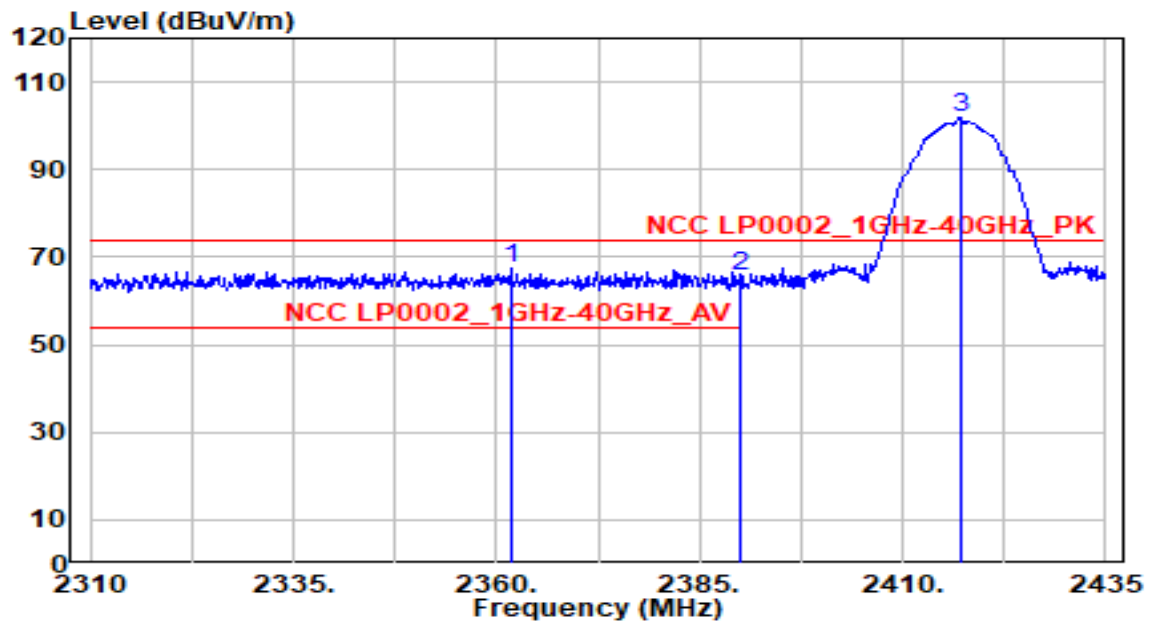


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	20.75	30.28	51.03	-2.97	54.00	205	190	Average
2		17.60	30.29	47.89	-6.11	54.00	205	190	Average
3		77.95	30.33	108.28	N/A	N/A	205	190	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

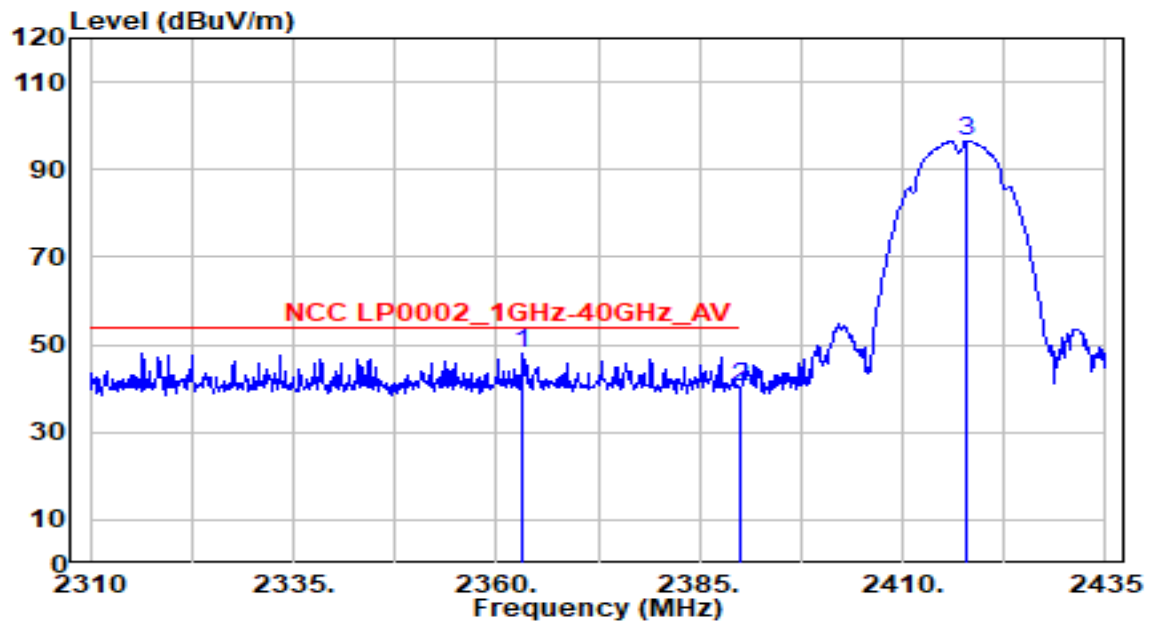


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2361.875	37.11	30.22	67.33	-6.67	74.00	190	260	Peak
2		2390.000	35.41	30.29	65.70	-8.30	74.00	190	260	Peak
3		2417.125	71.35	30.34	101.69	N/A	N/A	190	260	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

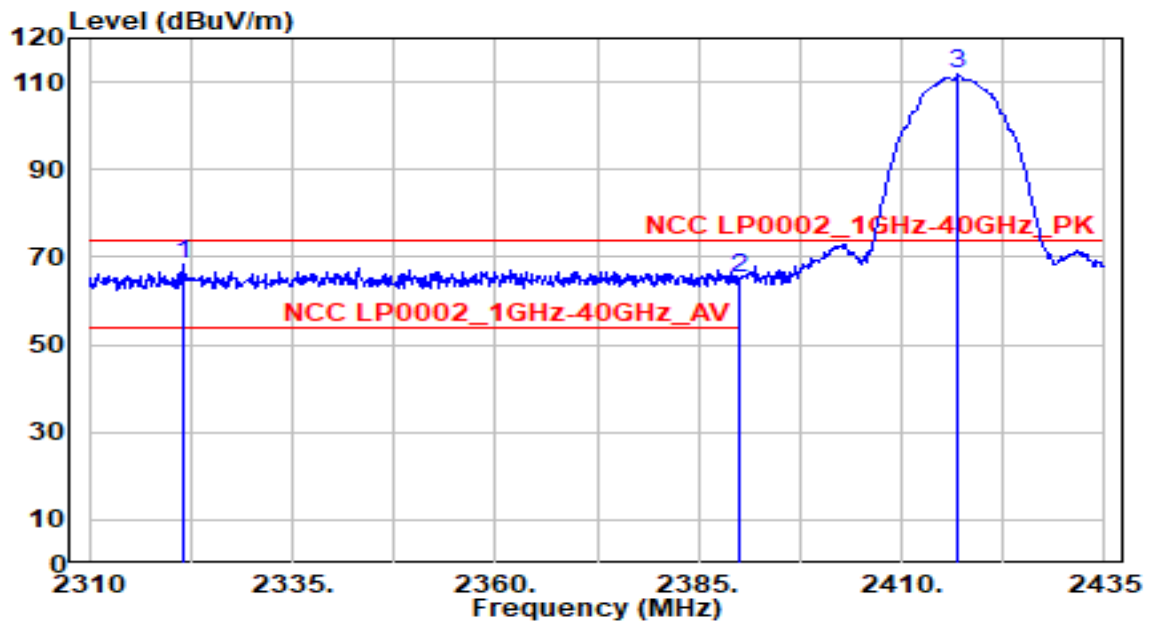


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2363.250	17.80	30.23	48.03	-5.97	54.00	190	260	Average
2		2390.000	10.01	30.29	40.30	-13.70	54.00	190	260	Average
3		2417.875	66.28	30.34	96.62	N/A	N/A	190	260	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

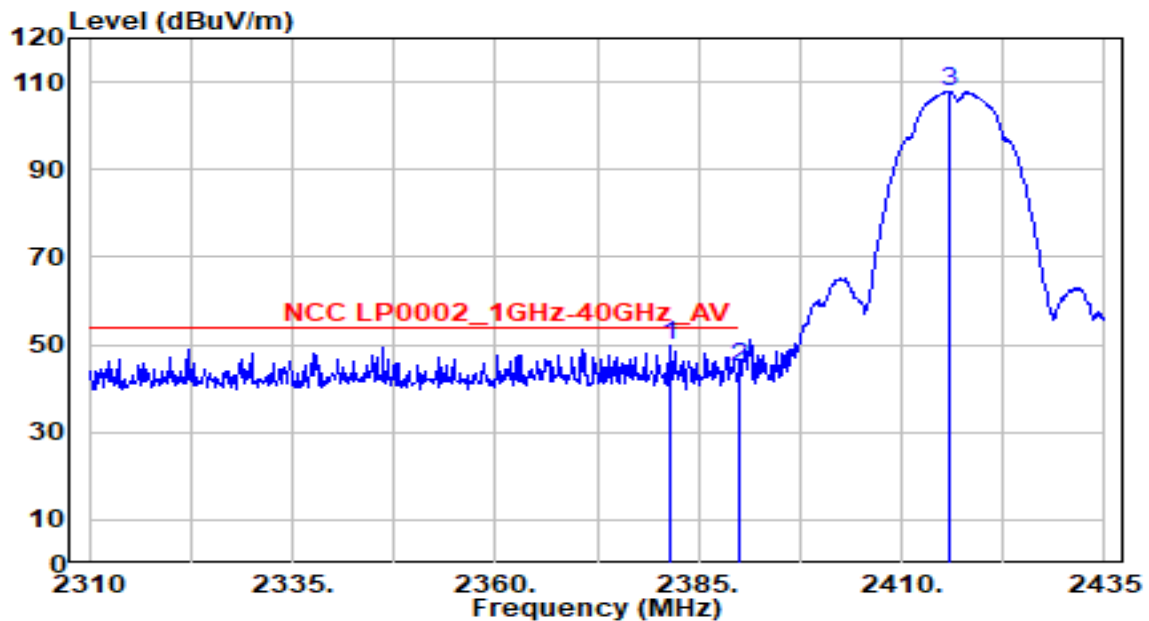


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2321.500	38.17	30.13	68.30	-5.70	74.00	205	185	Peak
2		2390.000	34.98	30.29	65.26	-8.74	74.00	205	185	Peak
3		2417.000	81.37	30.34	111.71	N/A	N/A	205	185	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

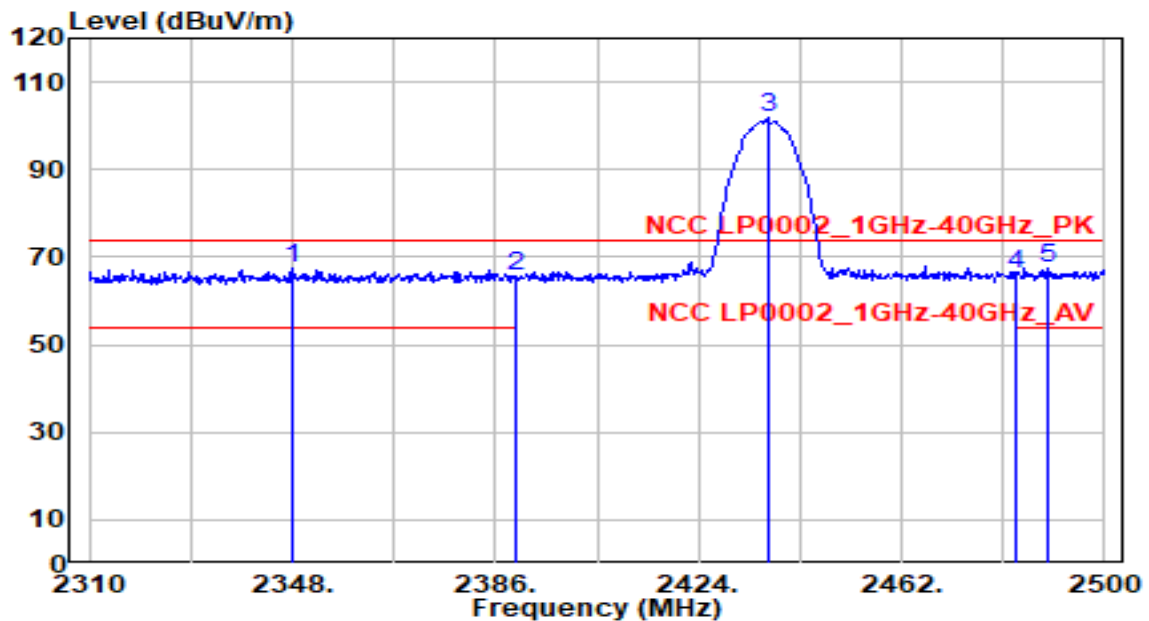


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2381.375	19.35	30.27	49.61	-4.39	54.00	205	185	Average
2		2390.000	14.63	30.29	44.92	-9.08	54.00	205	185	Average
3		2416.000	77.57	30.34	107.91	N/A	N/A	205	185	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

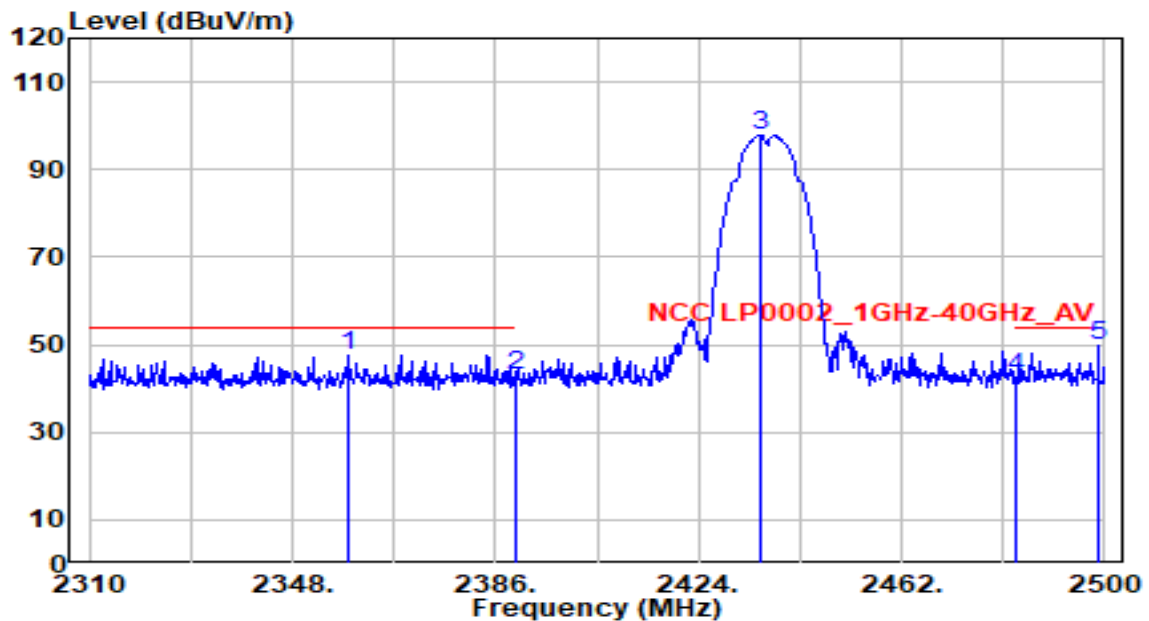


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2347.810	37.06	30.19	67.25	-6.75	74.00	190	265	Peak
2	2390.000	35.46	30.29	65.75	-8.25	74.00	190	265	Peak
3	2436.920	71.38	30.38	101.75	N/A	N/A	190	265	Peak
4	2483.500	35.63	30.46	66.09	-7.91	74.00	190	265	Peak
5	* 2489.550	37.10	30.47	67.57	-6.43	74.00	190	265	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

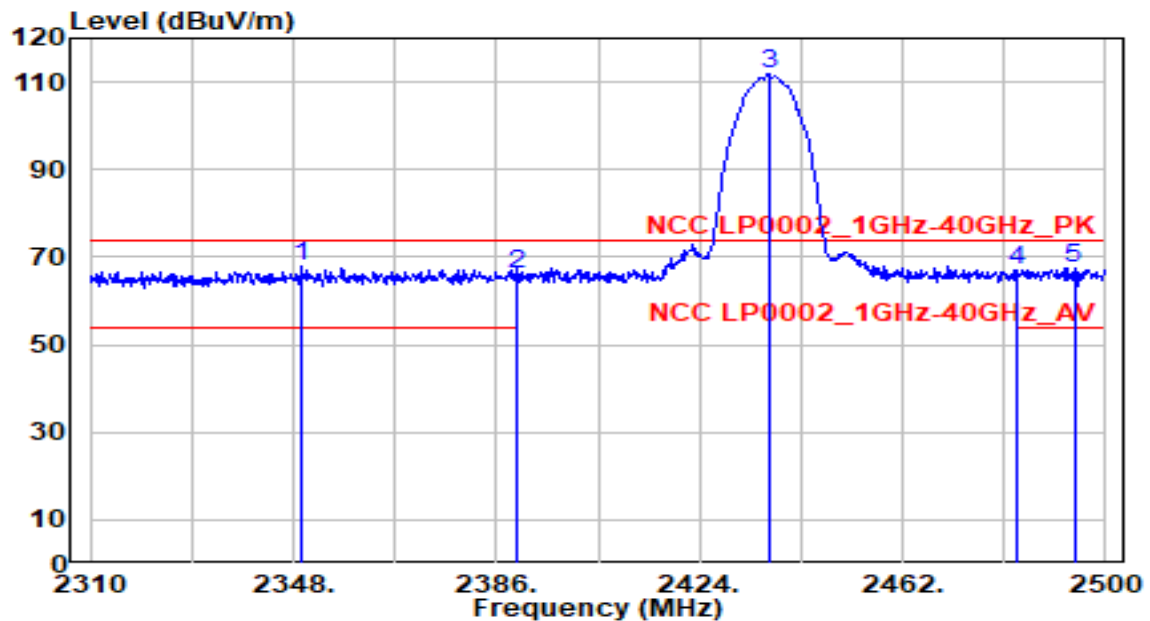


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2358.640	17.48	30.21	47.69	-6.31	54.00	190	265	Average
2	2390.000	12.78	30.29	43.07	-10.93	54.00	190	265	Average
3	2435.780	67.59	30.37	97.97	N/A	N/A	190	265	Average
4	2483.500	12.01	30.46	42.47	-11.53	54.00	190	265	Average
5	* 2498.860	19.42	30.49	49.91	-4.09	54.00	190	265	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

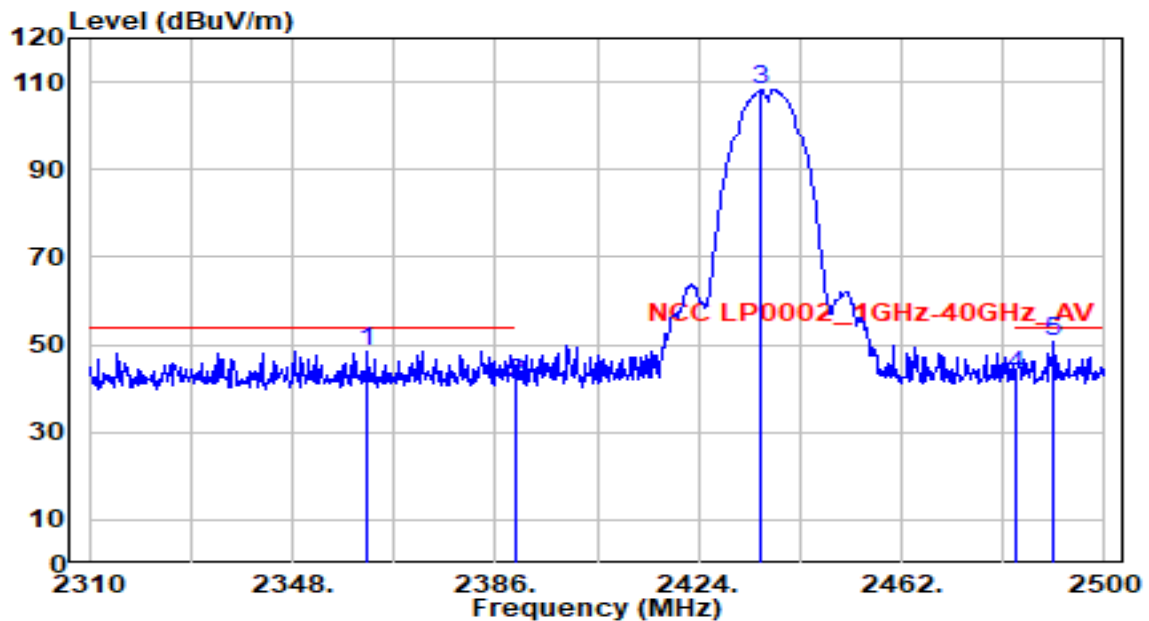


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2349.710	37.62	30.19	67.82	-6.18	74.00	180	190	Peak
2	2389.990	35.66	30.29	65.94	-8.06	74.00	180	190	Peak
3	2436.920	81.70	30.38	112.07	N/A	N/A	180	190	Peak
4	2483.500	36.40	30.46	66.86	-7.14	74.00	180	190	Peak
5	2494.110	37.16	30.48	67.64	-6.36	74.00	180	190	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

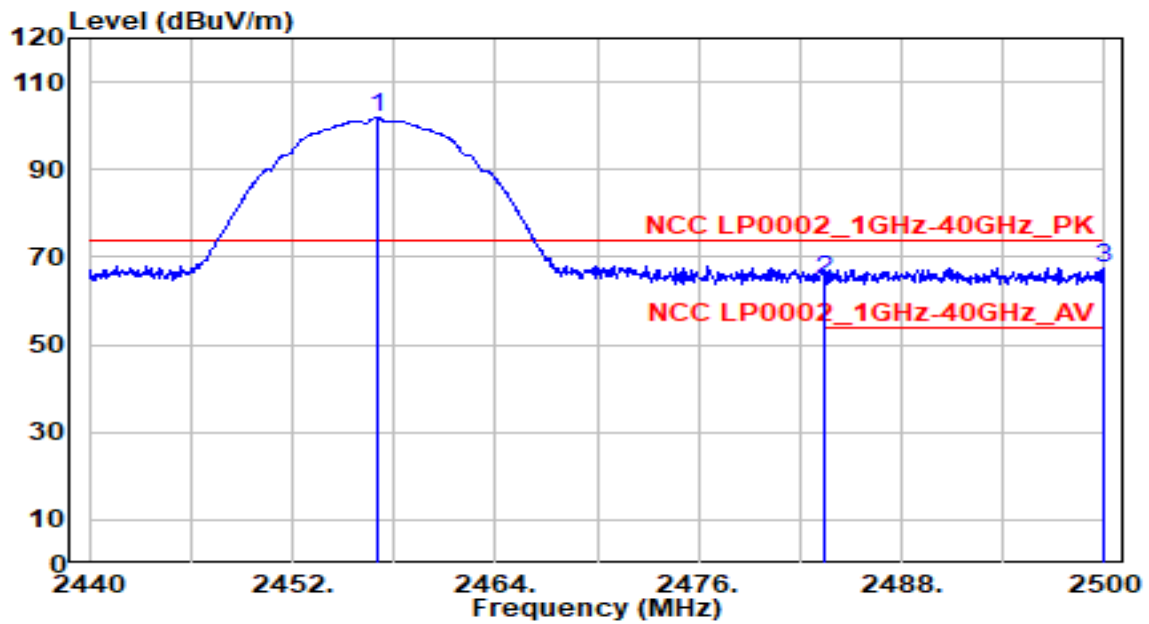


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2362.060	18.33	30.22	48.55	-5.45	54.00	180	190	Average
2	2389.990	11.05	30.29	41.34	-12.66	54.00	180	190	Average
3	2435.780	77.84	30.37	108.21	N/A	N/A	180	190	Average
4	2483.500	12.63	30.46	43.09	-10.91	54.00	180	190	Average
5	* 2490.310	20.08	30.47	50.55	-3.45	54.00	180	190	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

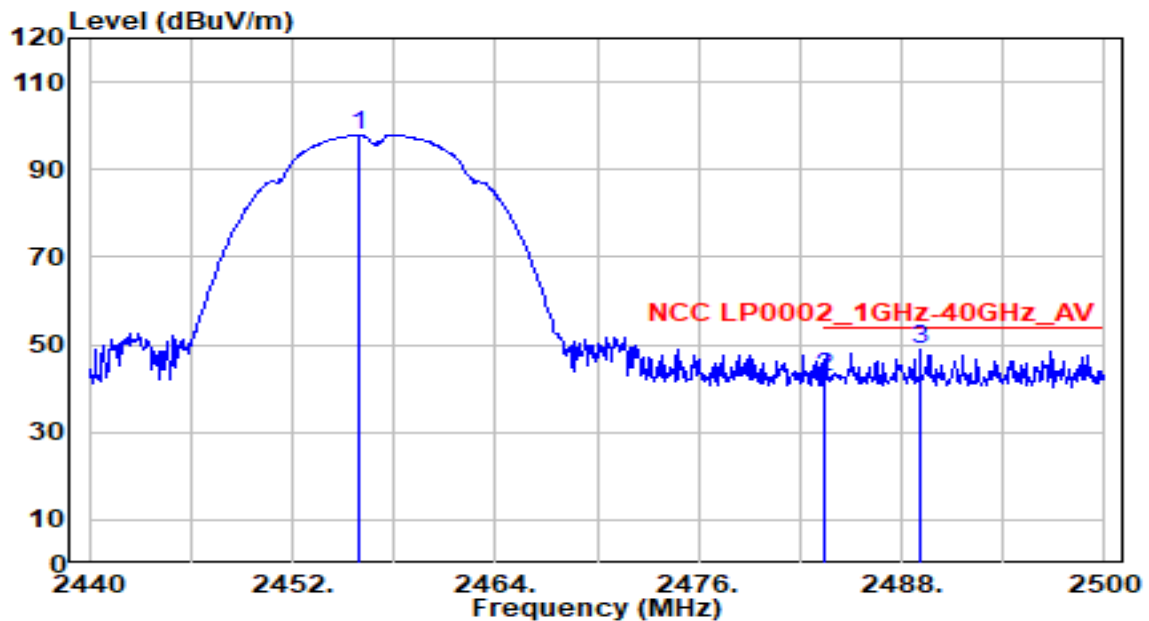


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2456.980	71.58	30.41	102.00	N/A	N/A	195	265	Peak
2	2483.500	34.26	30.46	64.72	-9.28	74.00	195	265	Peak
3	* 2499.880	37.19	30.49	67.68	-6.32	74.00	195	265	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

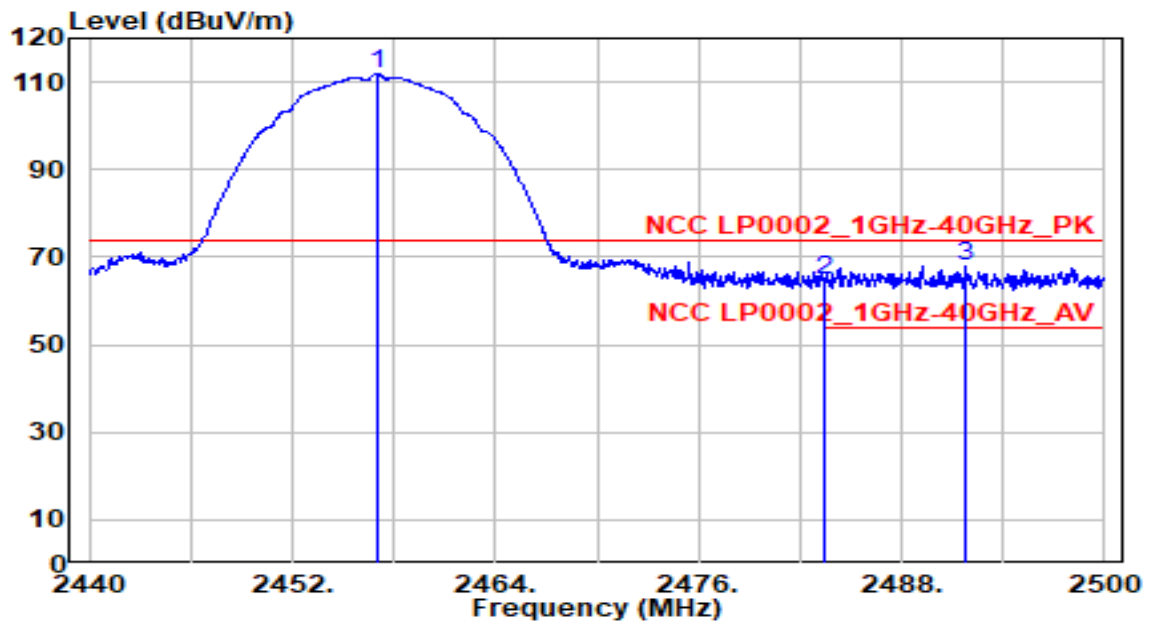


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2455.960	67.58	30.41	97.99	N/A	N/A	195	265	Average
2	2483.500	11.97	30.46	42.43	-11.57	54.00	195	265	Average
3	* 2489.080	18.54	30.47	49.01	-4.99	54.00	195	265	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

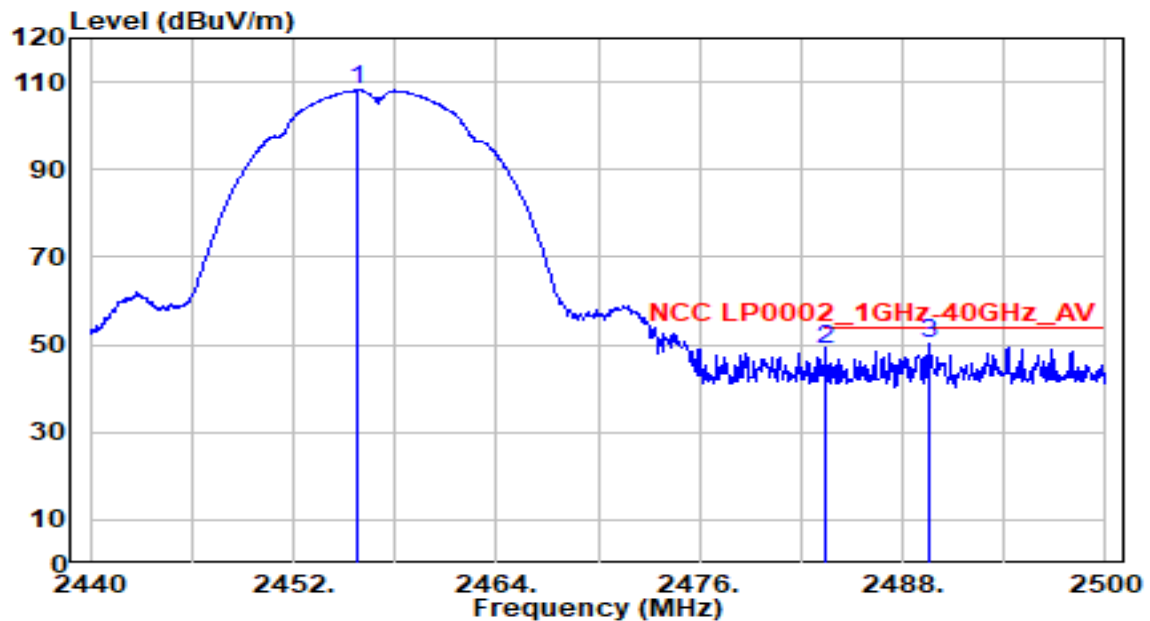


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2456.980	81.48	30.41	111.90	N/A	N/A	205	190	Peak
2	2483.500	34.50	30.46	64.96	-9.04	74.00	205	190	Peak
3	* 2491.780	37.49	30.48	67.97	-6.03	74.00	205	190	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

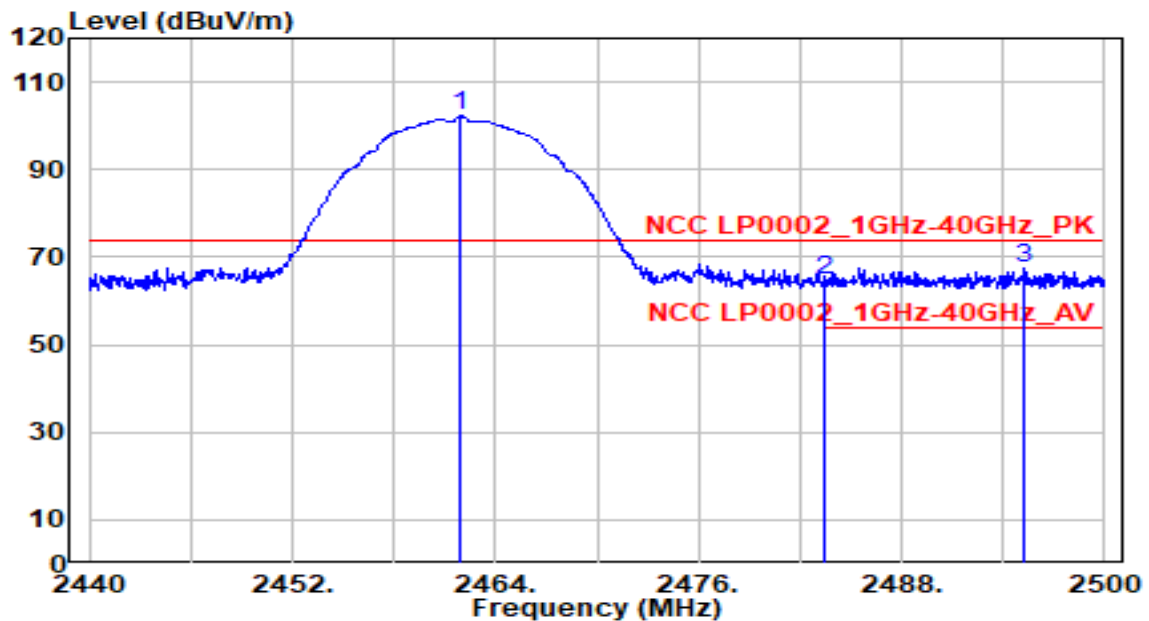


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2455.840	77.72	30.41	108.13	N/A	N/A	205	190	Average
2	2483.500	18.51	30.46	48.97	-5.03	54.00	205	190	Average
3	* 2489.500	19.60	30.47	50.07	-3.93	54.00	205	190	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

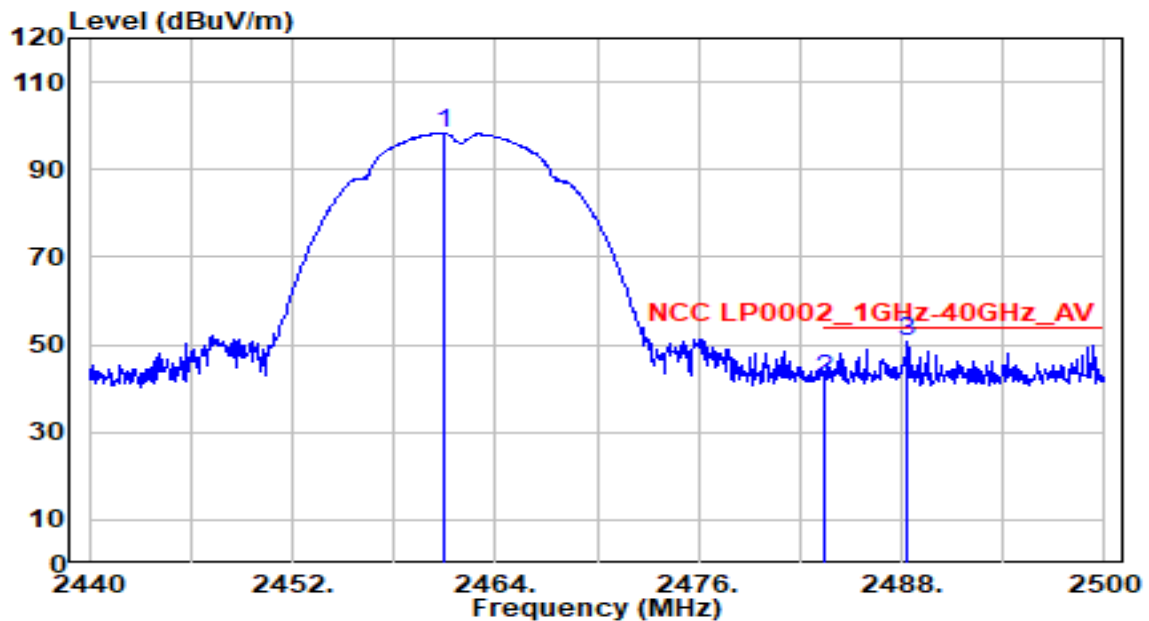


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2461.960	71.72	30.42	102.14	N/A	N/A	180	265	Peak
2	2483.500	34.38	30.46	64.84	-9.16	74.00	180	265	Peak
3	* 2495.260	37.11	30.48	67.59	-6.41	74.00	180	265	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

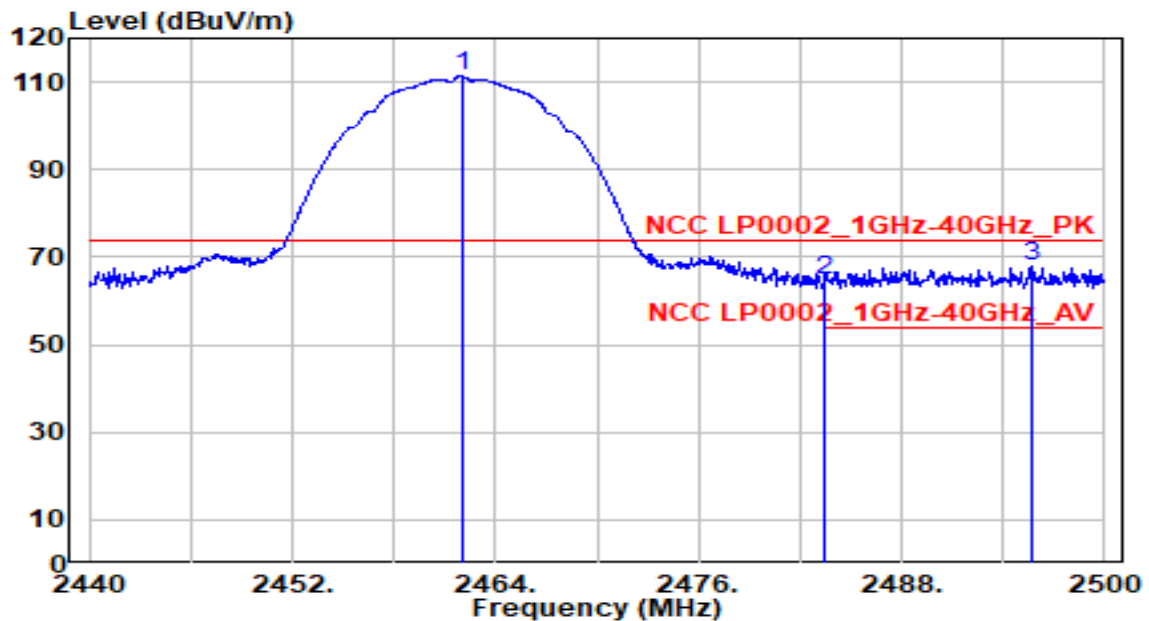


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2461.000	67.93	30.42	98.35	N/A	N/A	180	265	Average
2	2483.500	11.81	30.46	42.27	-11.73	54.00	180	265	Average
3	* 2488.360	20.31	30.47	50.78	-3.22	54.00	180	265	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

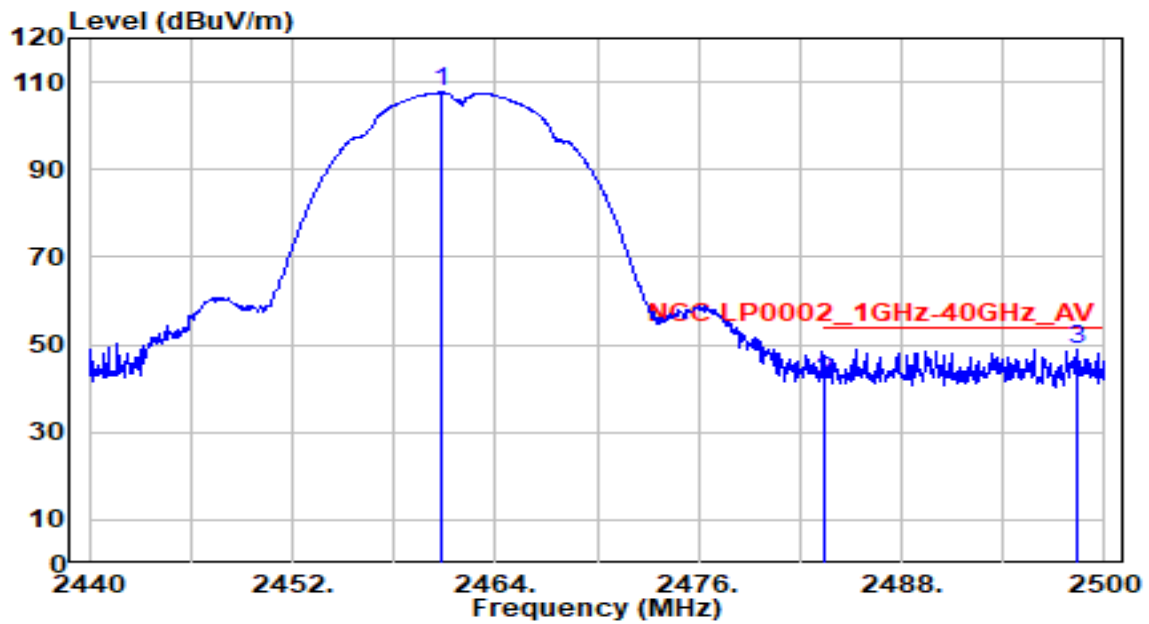


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2462.020	81.03	30.42	111.45	N/A	N/A	195	185	Peak
2	2483.500	34.24	30.46	64.70	-9.30	74.00	195	185	Peak
3	* 2495.680	37.36	30.48	67.85	-6.15	74.00	195	185	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11b_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

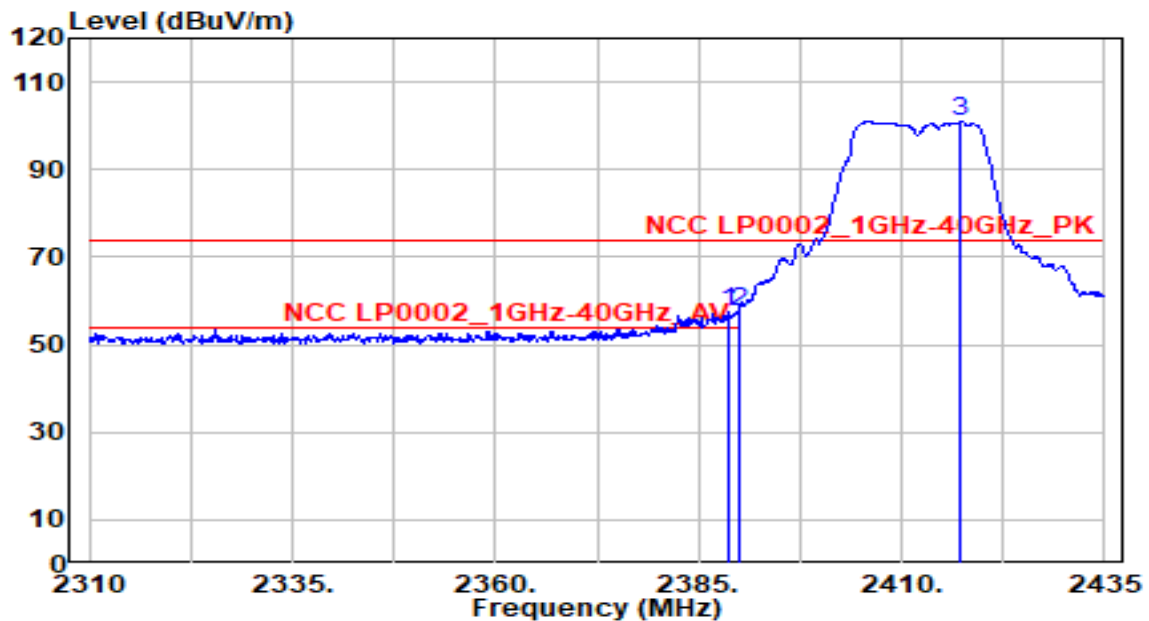


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2460.880	77.24	30.42	107.66	N/A	N/A	195	185	Average
2	2483.500	11.35	30.46	41.81	-12.19	54.00	195	185	Average
3	* 2498.320	18.59	30.49	49.08	-4.92	54.00	195	185	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

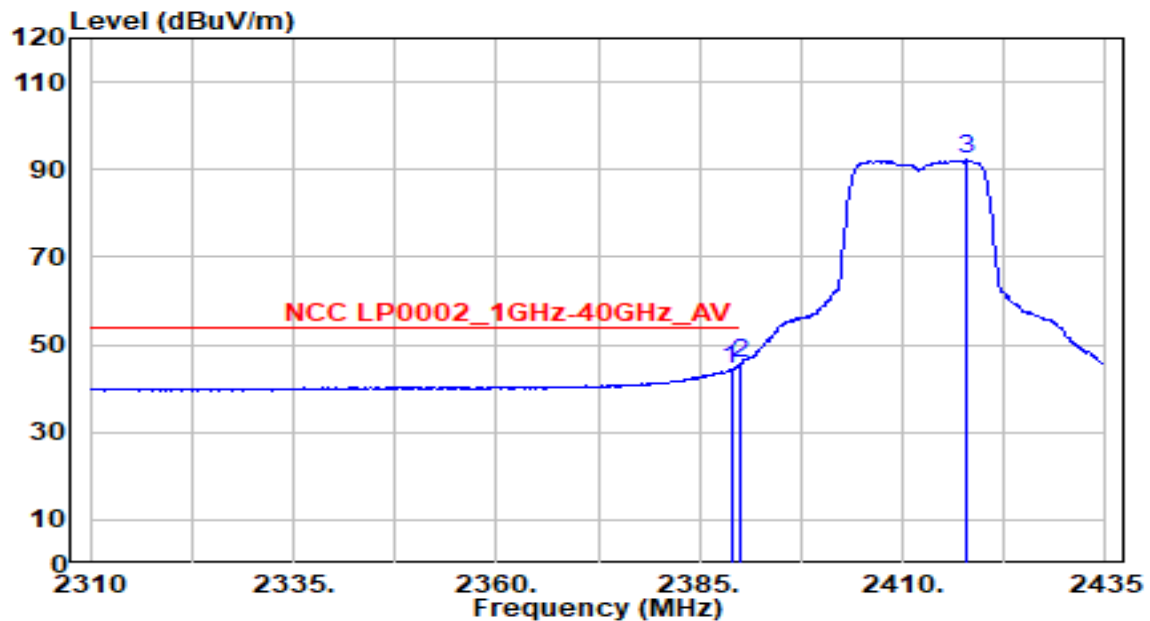


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.625	27.04	30.28	57.33	-16.67	74.00	180	235	Peak
2	* 2390.000	27.37	30.29	57.65	-16.35	74.00	180	235	Peak
3	2417.250	70.57	30.34	100.91	N/A	N/A	180	235	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

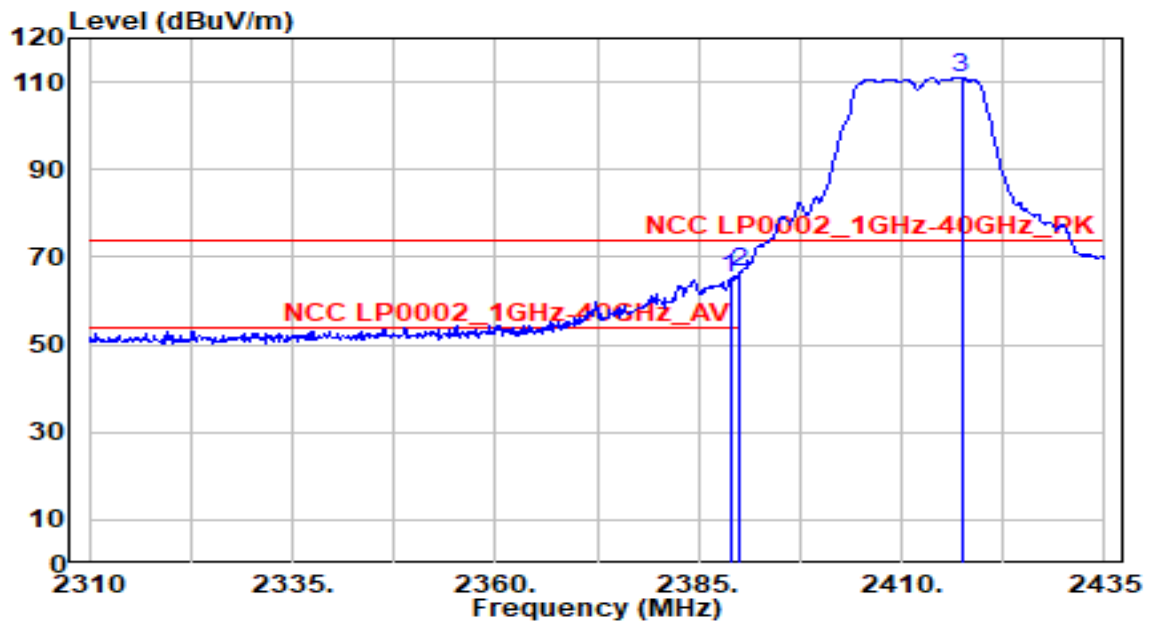


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.875	14.07	30.28	44.35	-9.65	54.00	180	235	Average
2	* 2390.000	15.45	30.29	45.74	-8.26	54.00	180	235	Average
3	2417.875	61.86	30.34	92.20	N/A	N/A	180	235	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

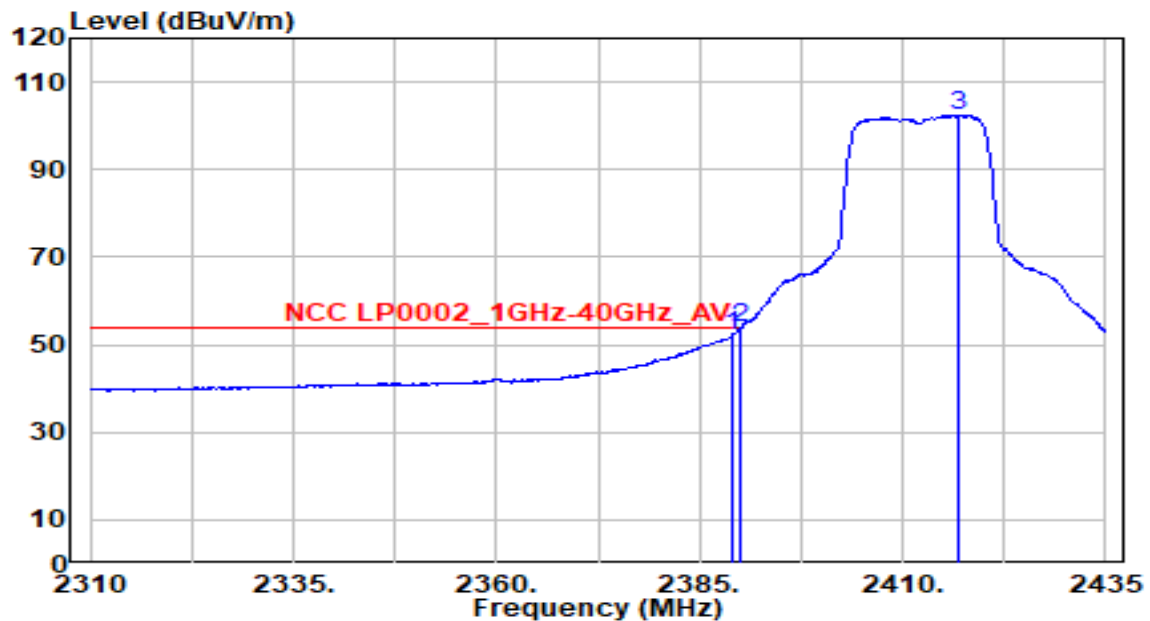


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.875	34.75	30.28	65.03	-8.97	74.00	210	175	Peak
2	* 2390.000	36.27	30.29	66.55	-7.45	74.00	210	175	Peak
3	2417.375	80.80	30.34	111.14	N/A	N/A	210	175	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 1_ANT 0	Test Voltage	By Notebook PC

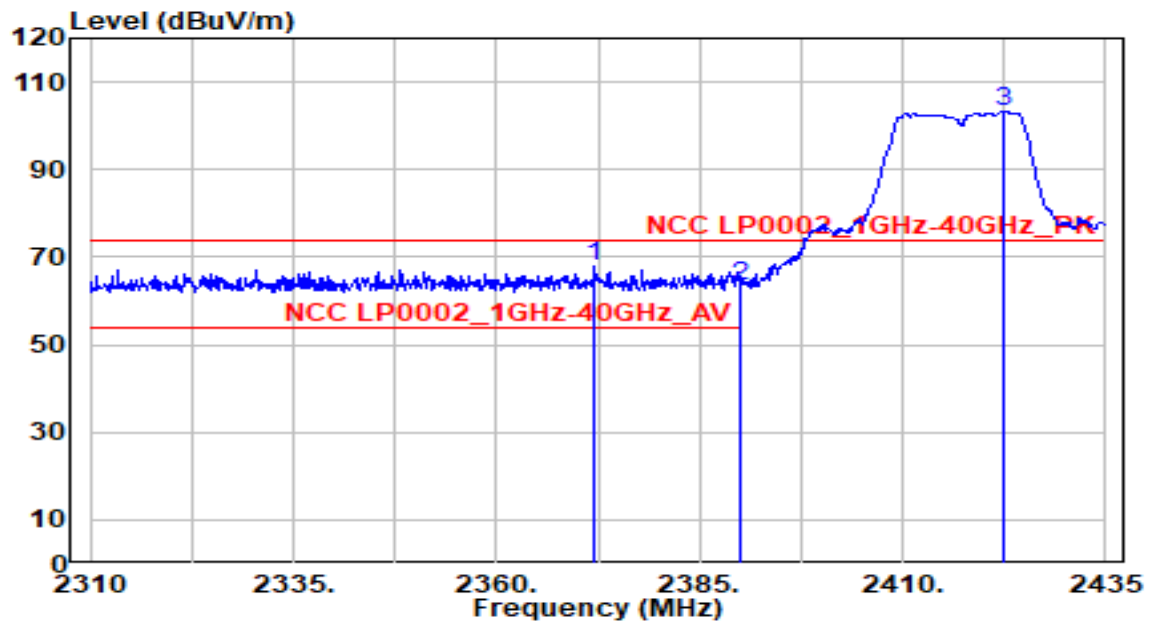


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2389.000	21.82	30.28	52.11	-1.89	54.00	210	175	Average
2	* 2390.000	23.41	30.29	53.70	-0.30	54.00	210	175	Average
3	2416.750	72.03	30.34	102.37	N/A	N/A	210	175	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

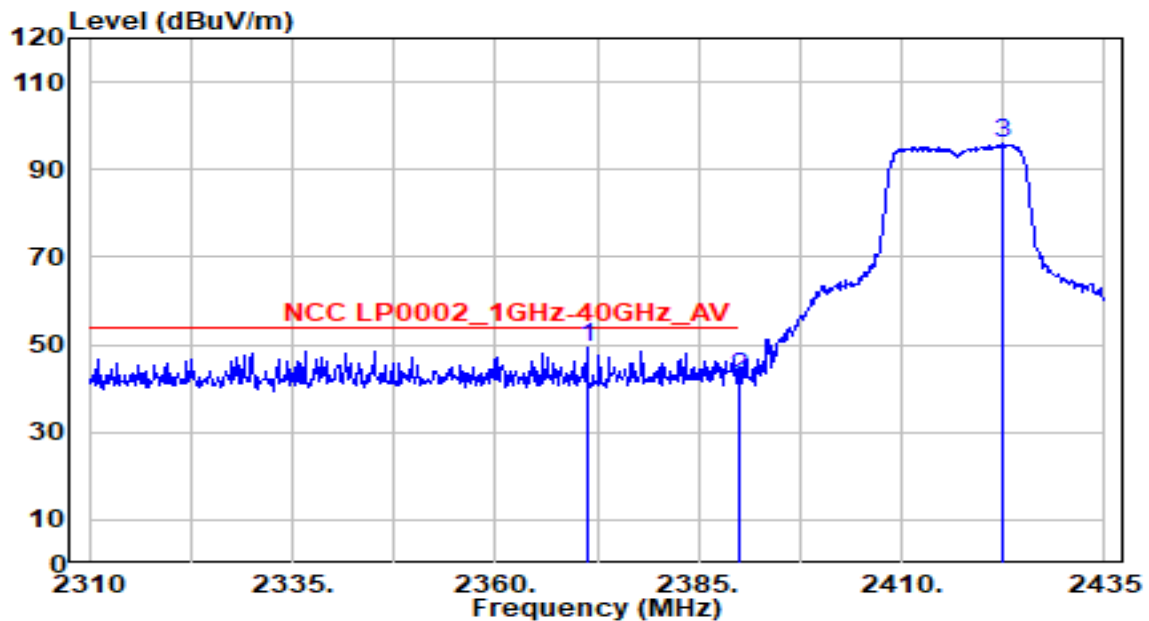


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2372.125	37.69	30.25	67.94	-6.06	74.00	185	260	Peak
2		2390.000	33.12	30.29	63.40	-10.60	74.00	185	260	Peak
3		2422.375	72.97	30.35	103.32	N/A	N/A	185	260	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

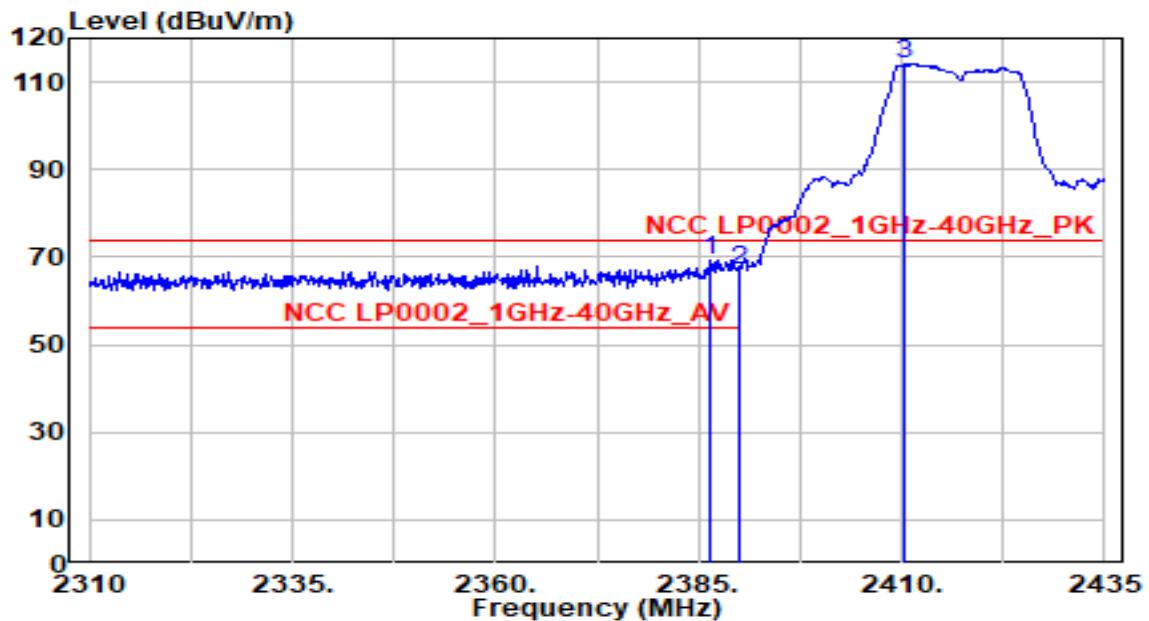


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2371.375	19.08	30.24	49.32	-4.68	54.00	185	260	Average
2		2390.000	12.26	30.29	42.54	-11.46	54.00	185	260	Average
3		2422.375	65.49	30.35	95.84	N/A	N/A	185	260	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

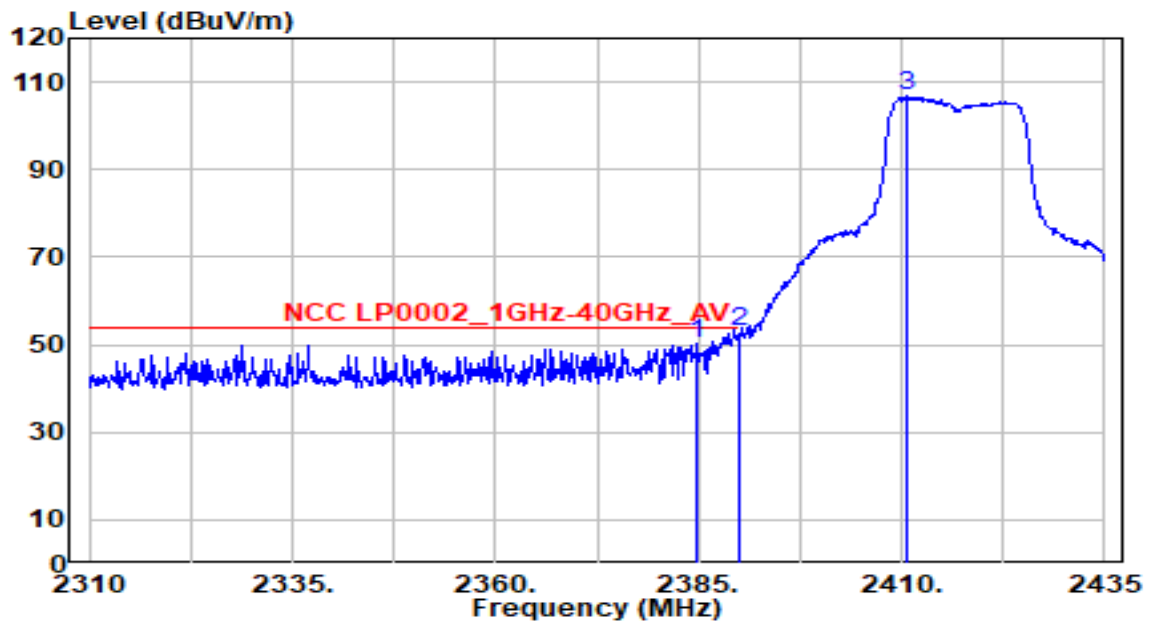


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2386.375	39.00	30.28	69.28	-4.72	74.00	175	185	Peak
2		2390.000	36.73	30.29	67.02	-6.98	74.00	175	185	Peak
3		2410.375	83.96	30.33	114.29	N/A	N/A	175	185	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB) – Preamplifier(dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 2_ANT 0	Test Voltage	By Notebook PC

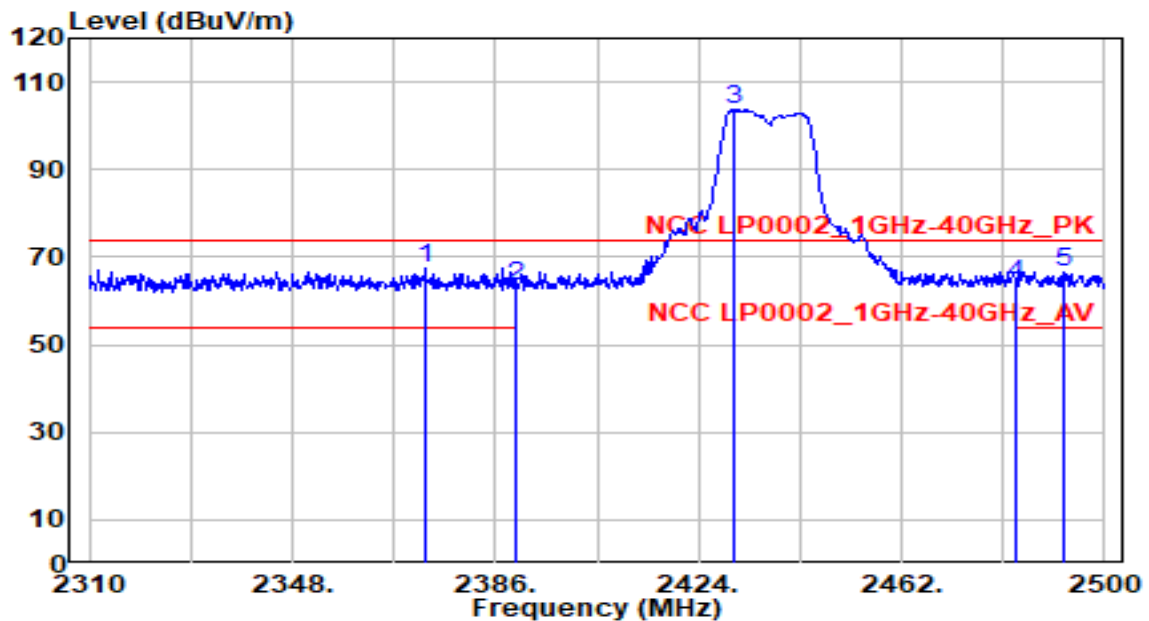


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2384.750	19.88	30.27	50.16	-3.84	54.00	175	185	Average
2	* 2390.000	22.86	30.29	53.15	-0.85	54.00	175	185	Average
3	2410.500	76.39	30.33	106.72	N/A	N/A	175	185	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

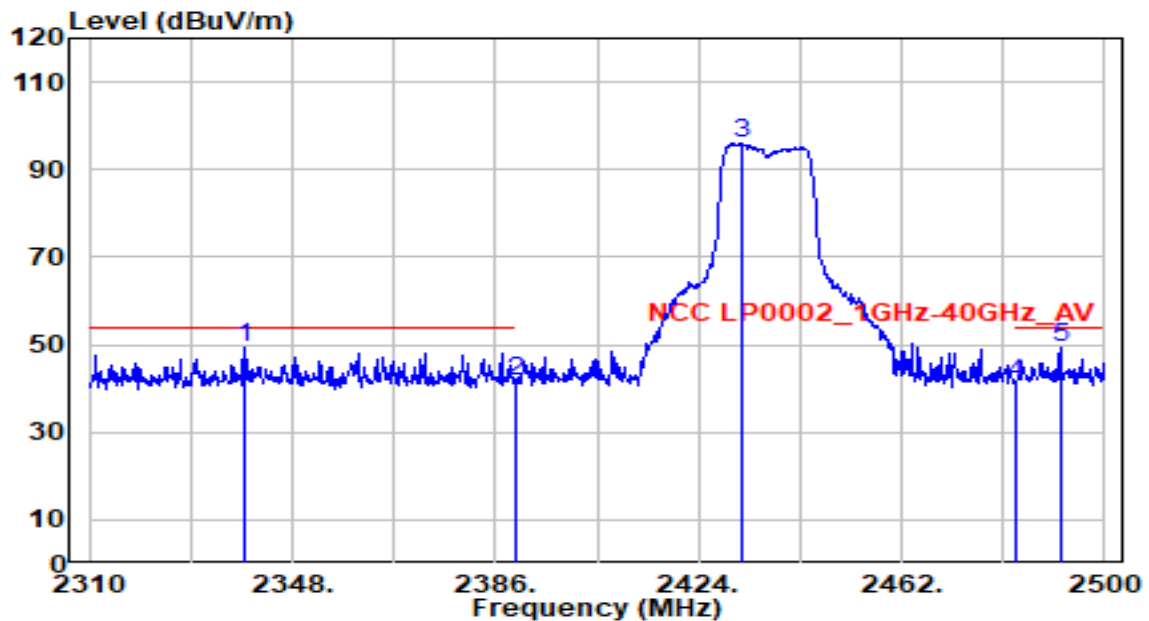


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2372.890	37.15	30.25	67.40	-6.60	74.00	185	265	Peak
2	2389.990	33.32	30.29	63.60	-10.40	74.00	185	265	Peak
3	2430.460	73.28	30.36	103.65	N/A	N/A	185	265	Peak
4	2483.500	33.48	30.46	63.94	-10.06	74.00	185	265	Peak
5	2492.210	35.93	30.48	66.41	-7.59	74.00	185	265	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

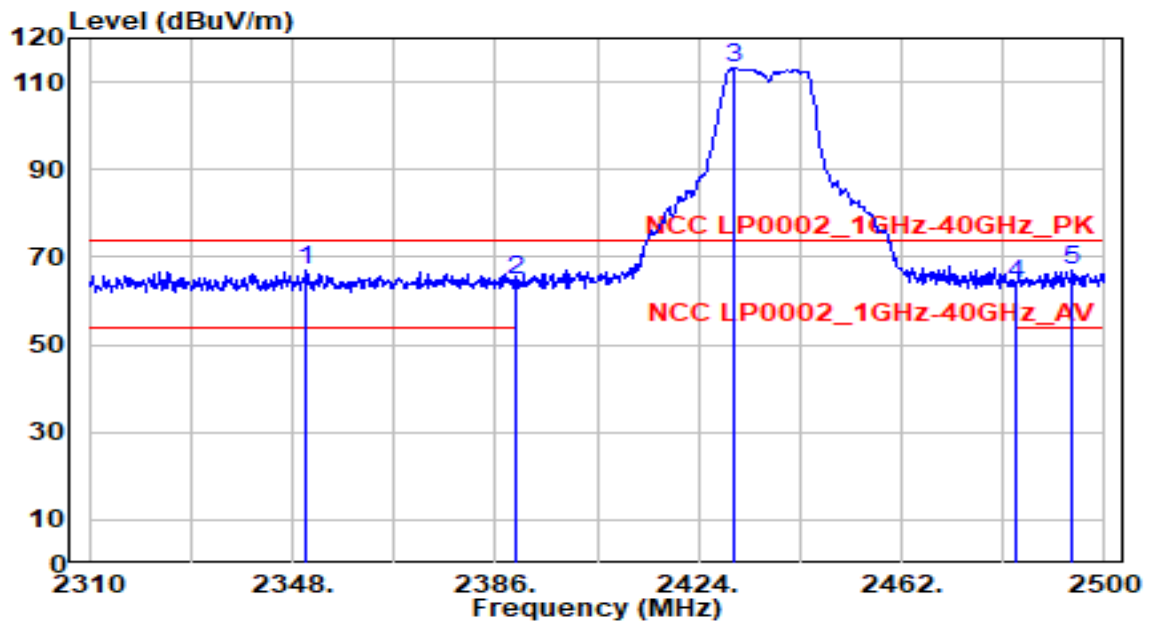


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2338.880	19.10	30.17	49.27	-4.73	54.00	185	265	Average
2	2390.000	11.28	30.29	41.56	-12.44	54.00	185	265	Average
3	2432.170	65.61	30.37	95.98	N/A	N/A	185	265	Average
4	2483.500	10.88	30.46	41.34	-12.66	54.00	185	265	Average
5	* 2491.640	19.08	30.47	49.55	-4.45	54.00	185	265	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

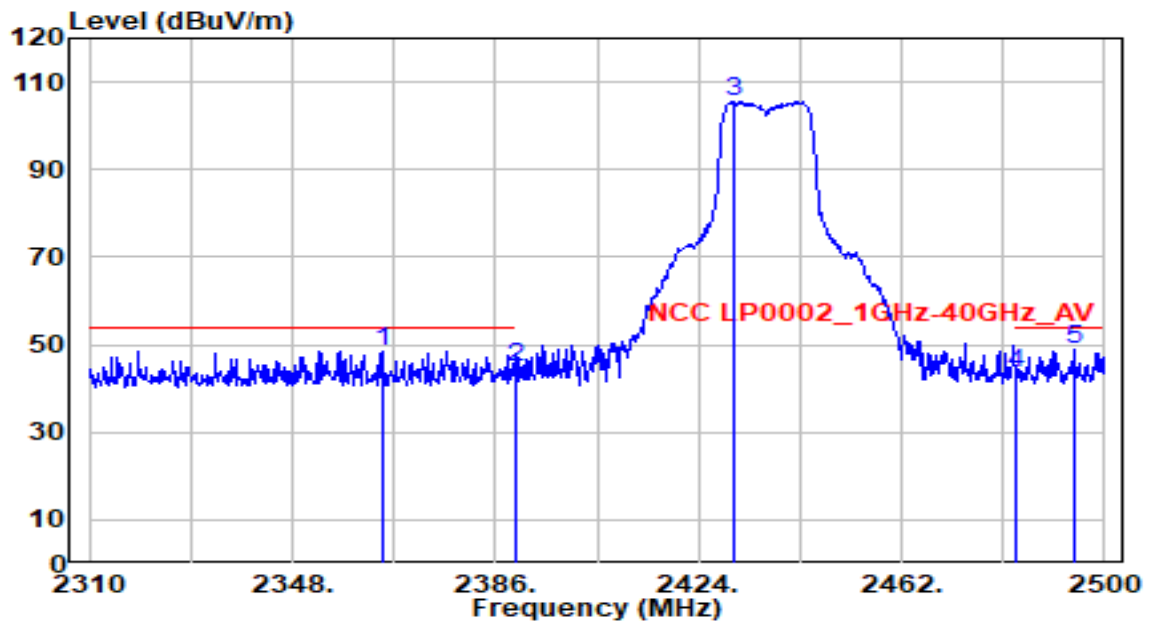


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2350.660	36.75	30.20	66.95	-7.05	74.00	150	190	Peak
2	2389.990	34.34	30.29	64.63	-9.37	74.00	150	190	Peak
3	2430.840	82.86	30.37	113.22	N/A	N/A	150	190	Peak
4	2483.500	33.25	30.46	63.71	-10.29	74.00	150	190	Peak
5	2493.920	36.32	30.48	66.80	-7.20	74.00	150	190	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 6_ANT 0	Test Voltage	By Notebook PC

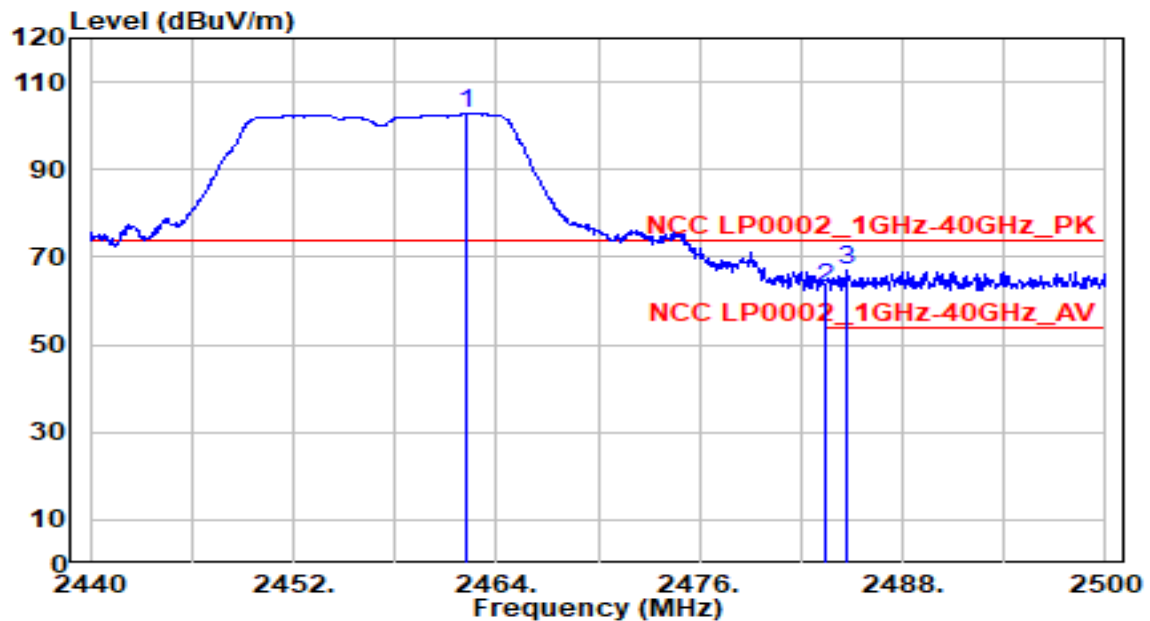


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2364.910	18.35	30.23	48.58	-5.42	54.00	150	190	Average
2	2390.000	14.69	30.29	44.97	-9.03	54.00	150	190	Average
3	2430.840	75.24	30.37	105.60	N/A	N/A	150	190	Average
4	2483.500	12.99	30.46	43.45	-10.55	54.00	150	190	Average
5	* 2494.300	18.56	30.48	49.04	-4.96	54.00	150	190	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

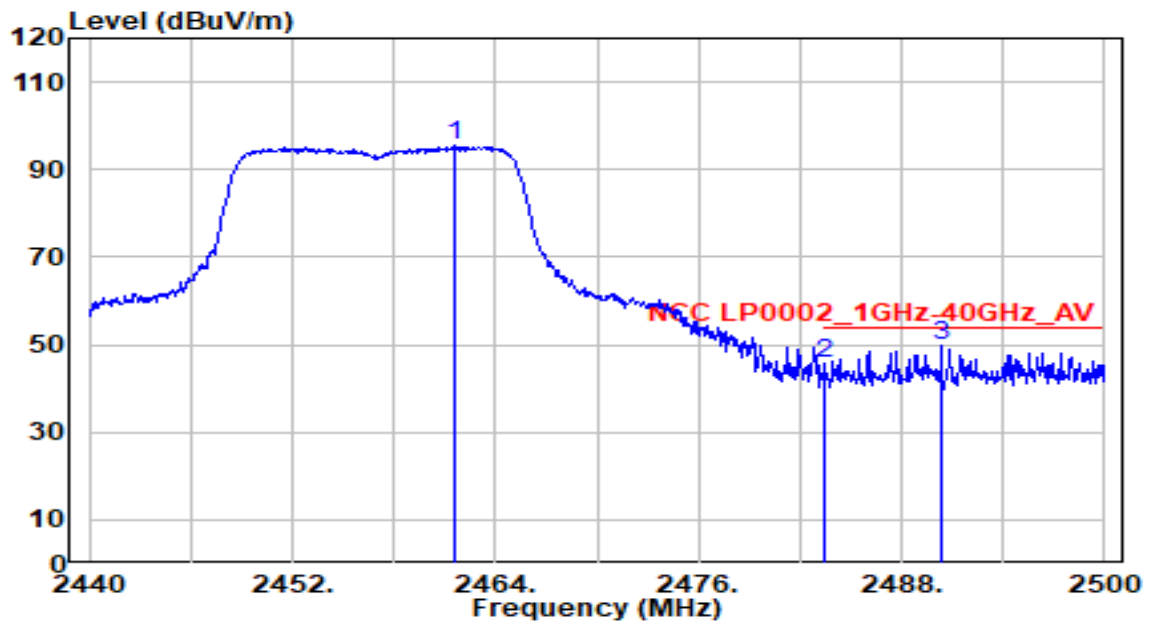


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2462.260	72.42	30.42	102.84	N/A	N/A	195	260	Peak
2	2483.500	32.67	30.46	63.13	-10.87	74.00	195	260	Peak
3	* 2484.640	36.38	30.46	66.84	-7.16	74.00	195	260	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

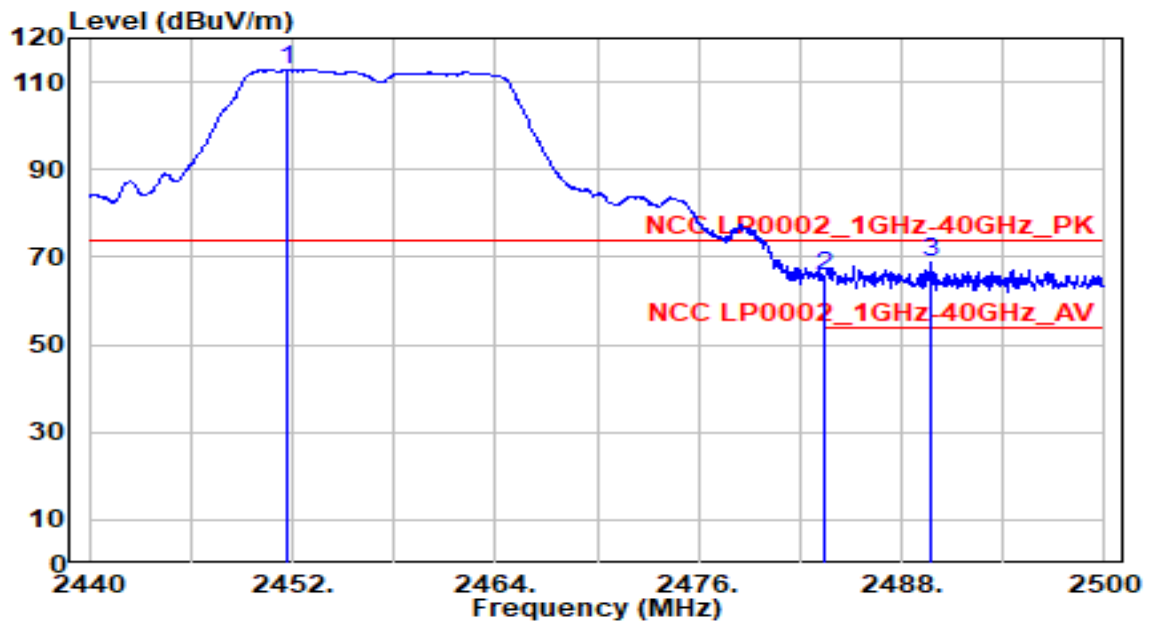


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2461.600	64.99	30.42	95.41	N/A	N/A	195	260	Average
2	2483.500	15.19	30.46	45.65	-8.35	54.00	195	260	Average
3	* 2490.340	19.21	30.47	49.69	-4.31	54.00	195	260	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

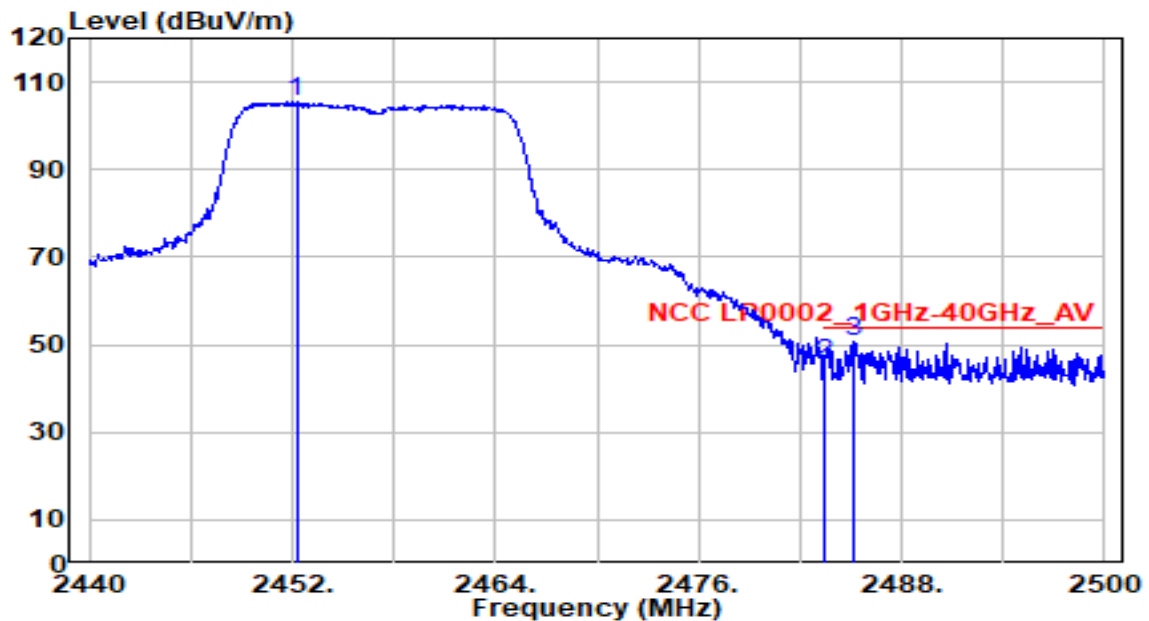


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2451.640	82.35	30.40	112.75	N/A	N/A	205	190	Peak
2	2483.500	35.25	30.46	65.71	-8.29	74.00	205	190	Peak
3	* 2489.740	38.14	30.47	68.62	-5.38	74.00	205	190	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 10_ANT 0	Test Voltage	By Notebook PC

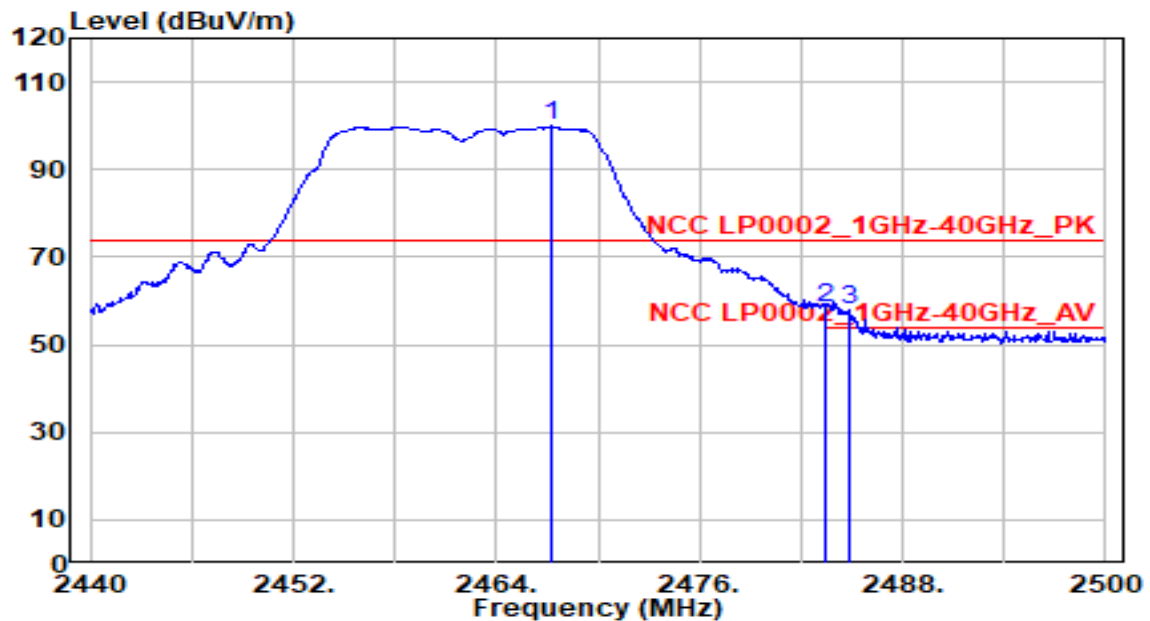


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2452.240	75.08	30.40	105.48	N/A	N/A	205	190	Average
2	2483.500	15.39	30.46	45.85	-8.15	54.00	205	190	Average
3	* 2485.240	20.08	30.46	50.54	-3.46	54.00	205	190	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

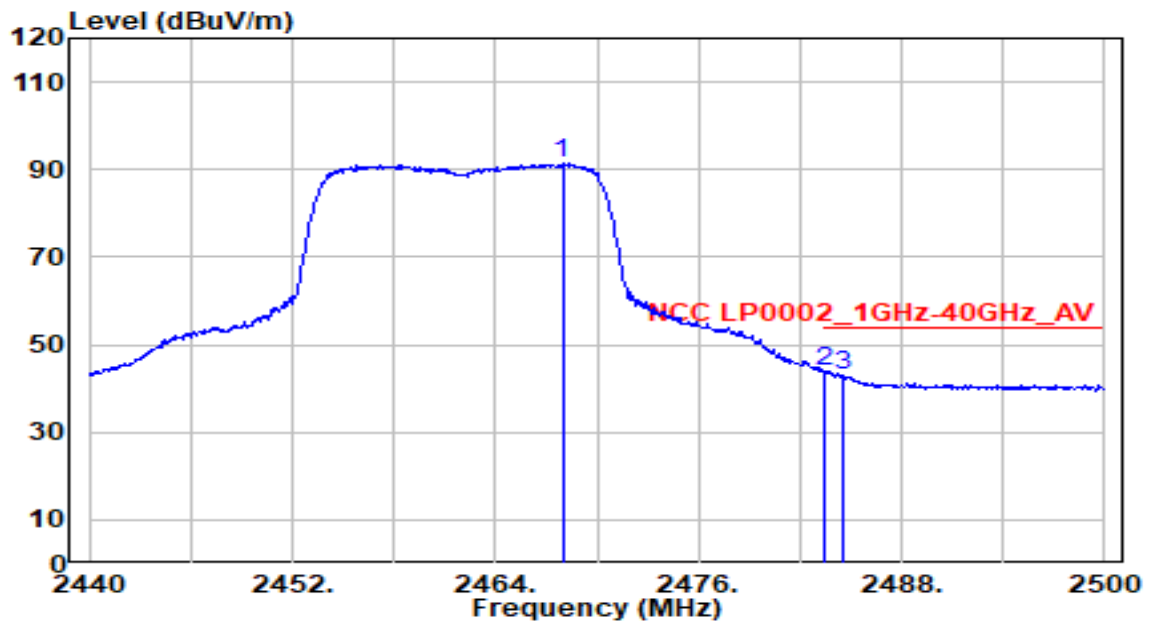


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2467.240	69.42	30.43	99.85	N/A	N/A	200	210	Peak
2	* 2483.500	27.90	30.46	58.36	-15.64	74.00	200	210	Peak
3	2484.880	27.56	30.46	58.02	-15.98	74.00	200	210	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

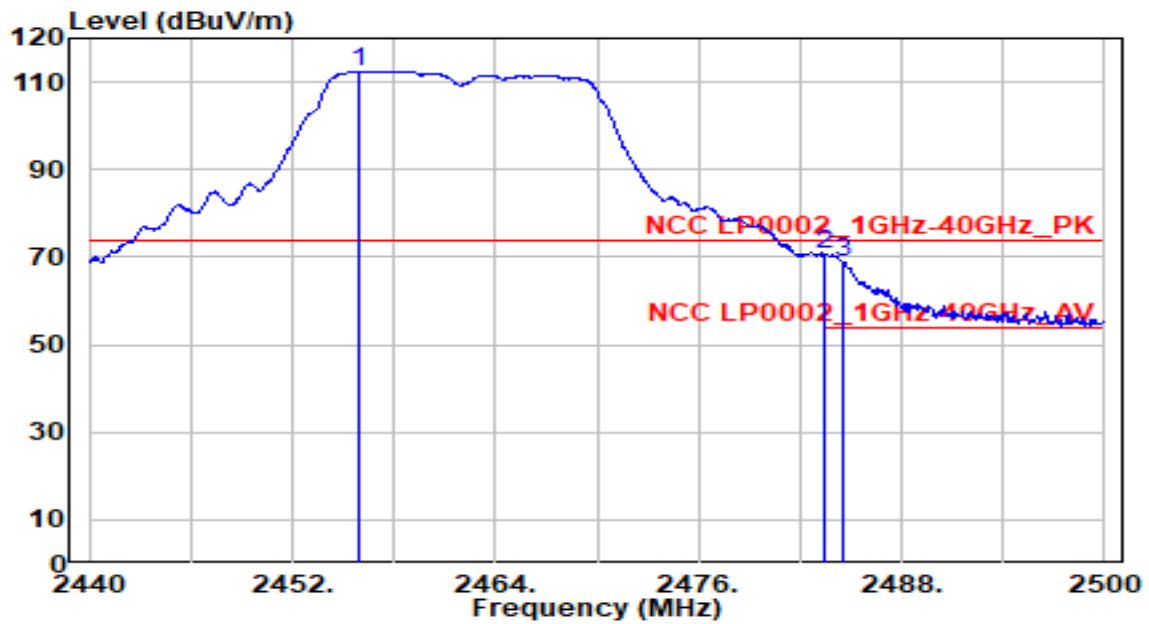


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2467.960	61.01	30.43	91.44	N/A	N/A	200	210	Average
2	* 2483.500	13.54	30.46	44.00	-10.00	54.00	200	210	Average
3	2484.520	12.41	30.46	42.87	-11.13	54.00	200	210	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

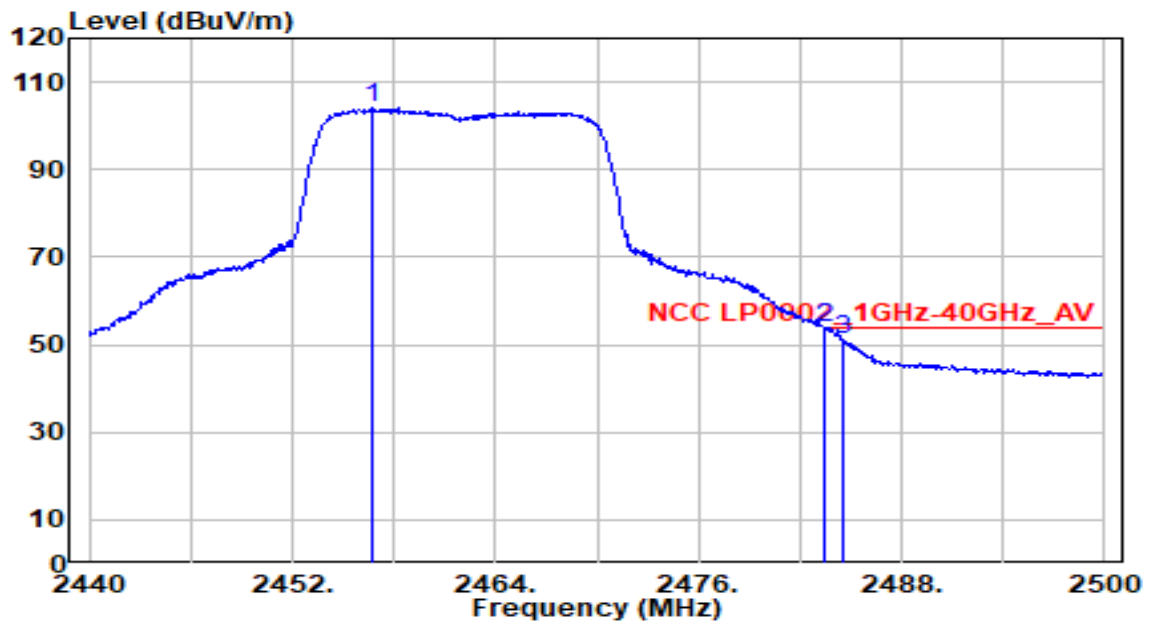


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2455.960	82.07	30.41	112.48	N/A	N/A	210	175	Peak
2	* 2483.500	40.09	30.46	70.55	-3.45	74.00	210	175	Peak
3	2484.520	38.40	30.46	68.87	-5.13	74.00	210	175	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11g_TX_CH 11_ANT 0	Test Voltage	By Notebook PC

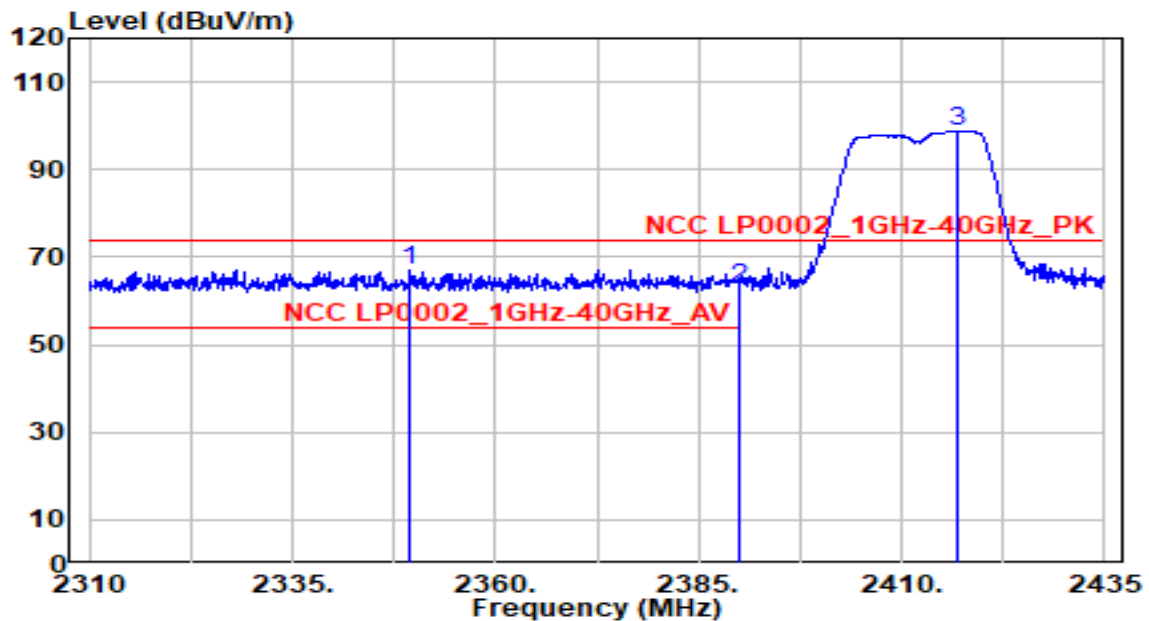


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2456.740	73.58	30.41	103.99	N/A	N/A	210	175	Average
2	* 2483.500	23.45	30.46	53.91	-0.09	54.00	210	175	Average
3	2484.580	20.84	30.46	51.31	-2.69	54.00	210	175	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	By Notebook PC

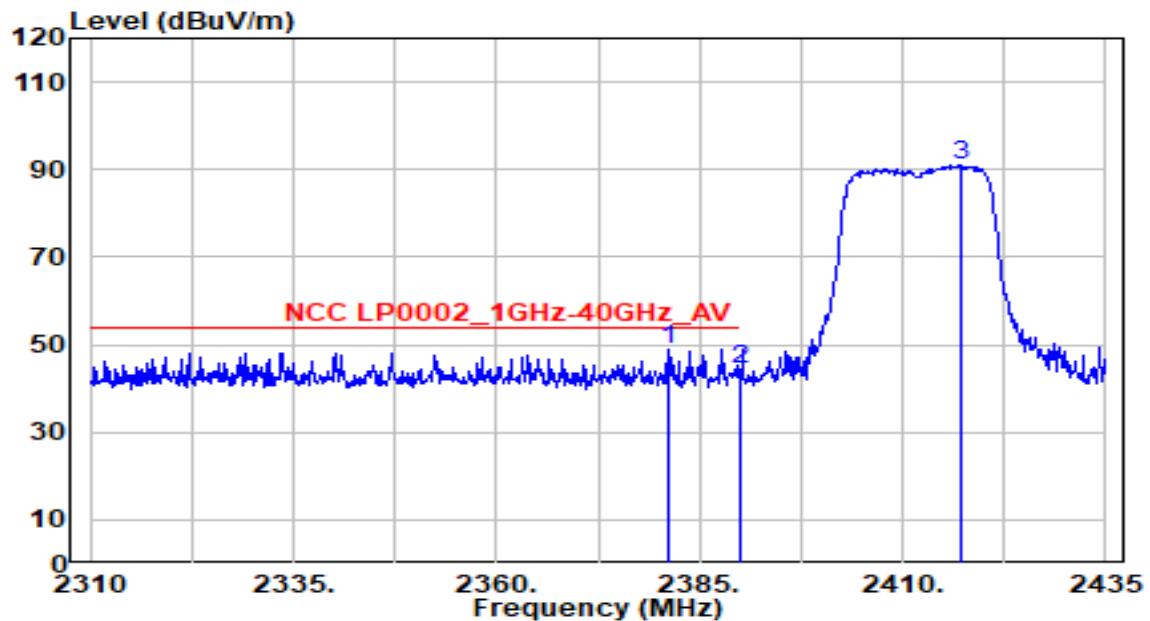


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2349.500	37.03	30.19	67.22	-6.78	74.00	205	265	Peak
2	2390.000	32.68	30.29	62.96	-11.04	74.00	205	265	Peak
3	2416.750	68.50	30.34	98.84	N/A	N/A	205	265	Peak

Note:

1. " * ", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	By Notebook PC

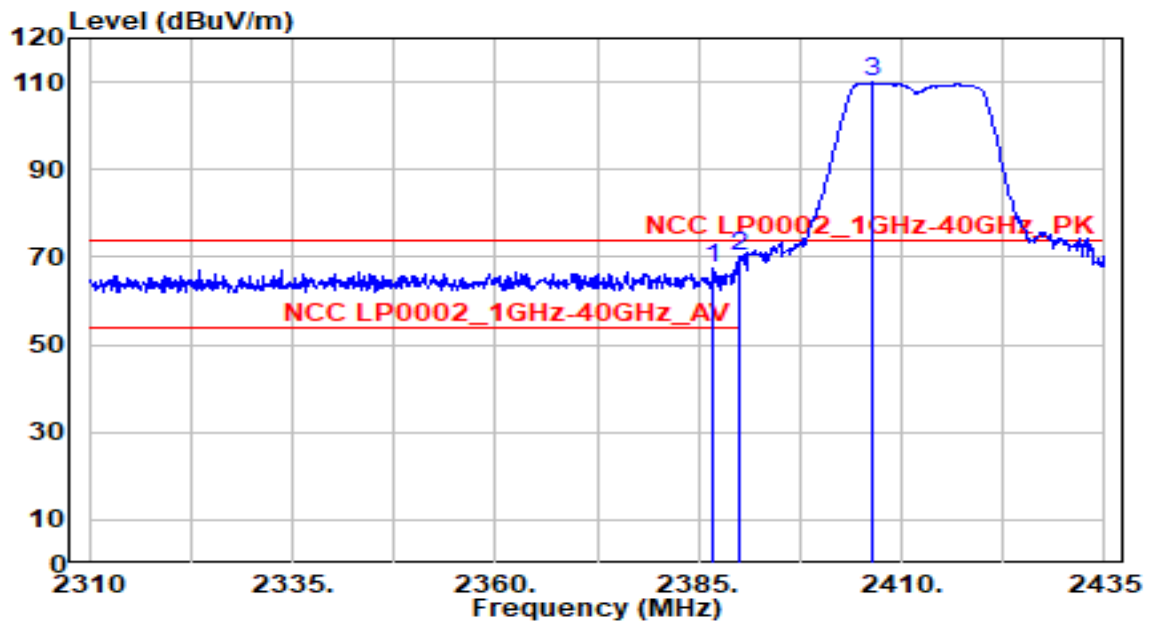


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2381.125	18.80	30.27	49.07	-4.93	54.00	205	265	Average
2		2390.000	14.01	30.29	44.29	-9.71	54.00	205	265	Average
3		2417.125	60.75	30.34	91.09	N/A	N/A	205	265	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	By Notebook PC

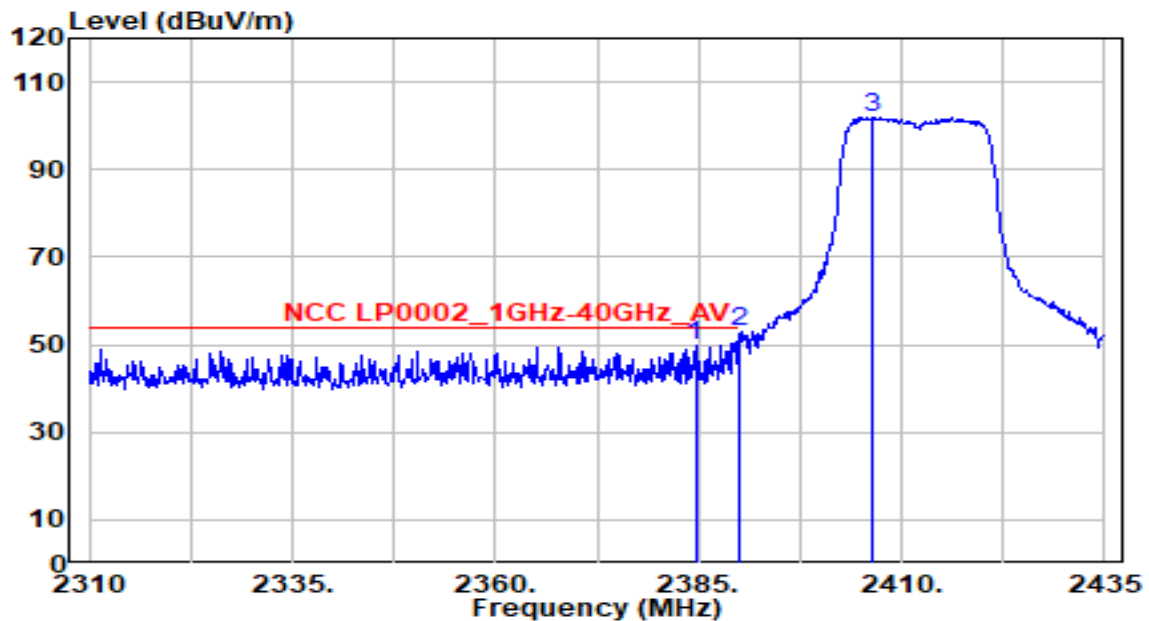


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2386.875	37.05	30.28	67.33	-6.67	74.00	180	15	Peak
2	* 2390.000	40.00	30.29	70.29	-3.71	74.00	180	15	Peak
3	2406.250	79.52	30.32	109.84	N/A	N/A	180	15	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 1_ANT 0+1	Test Voltage	By Notebook PC

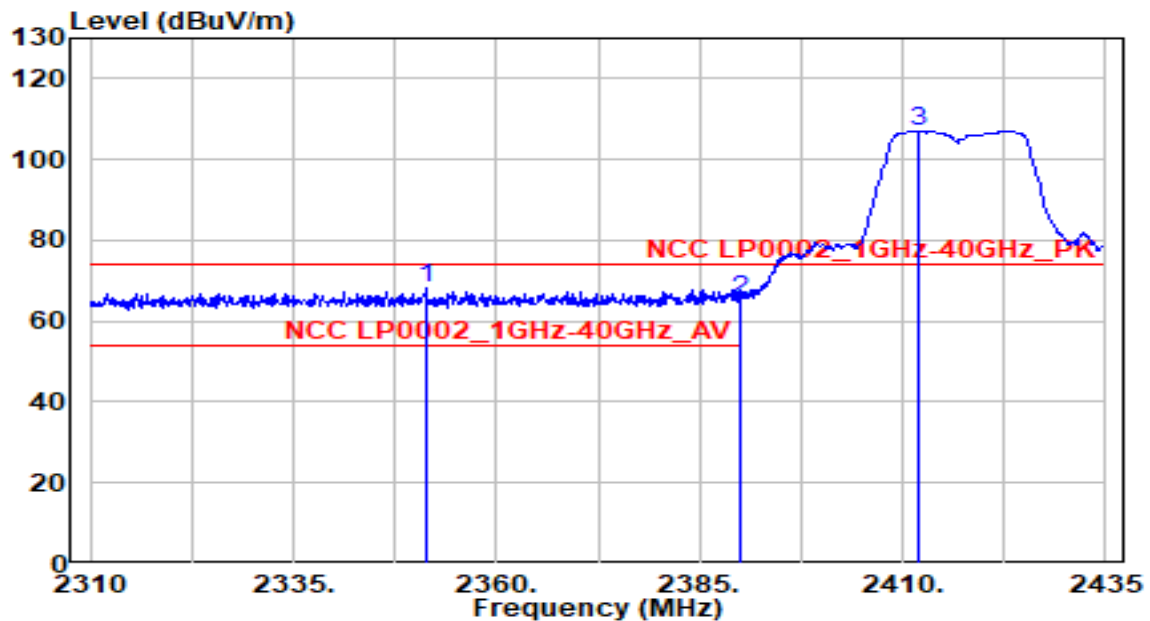


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2384.625	19.50	30.27	49.78	-4.22	54.00	180	15	Average
2	* 2390.000	22.74	30.29	53.02	-0.98	54.00	180	15	Average
3	2406.375	71.63	30.32	101.95	N/A	N/A	180	15	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH2_ANT 0+1	Test Voltage	By Notebook PC

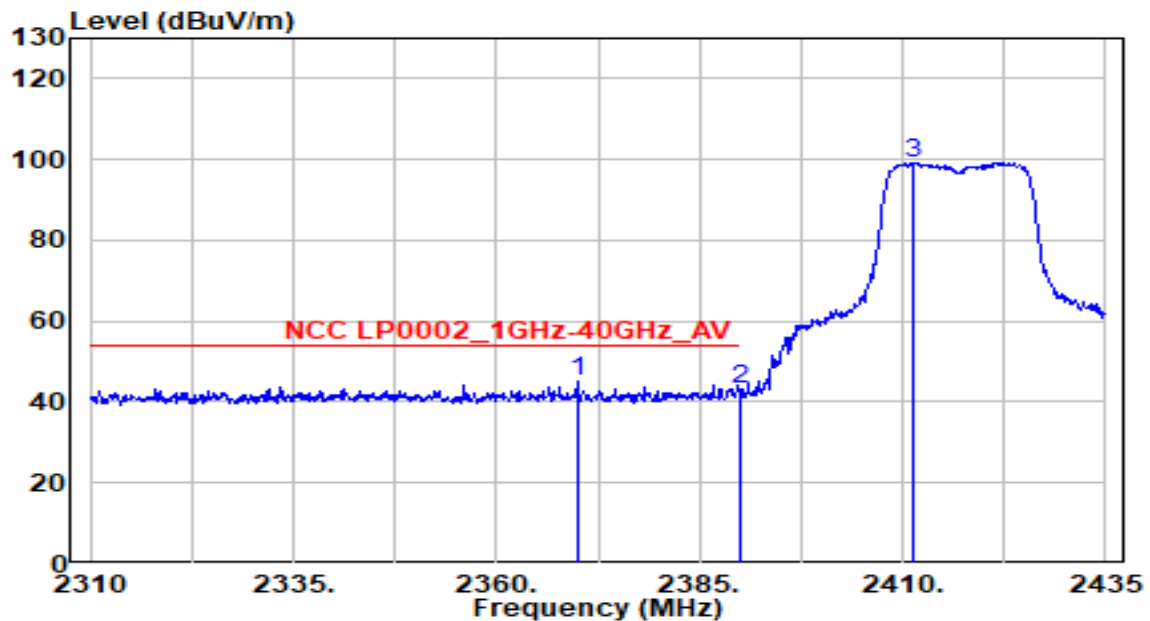


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2351.375	37.70	30.71	68.41	-5.59	74.00	100	15	Peak
2		2390.000	34.58	30.80	65.39	-8.61	74.00	100	15	Peak
3		2411.875	76.13	30.85	106.98	N/A	N/A	100	15	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH2_ANT 0+1	Test Voltage	By Notebook PC

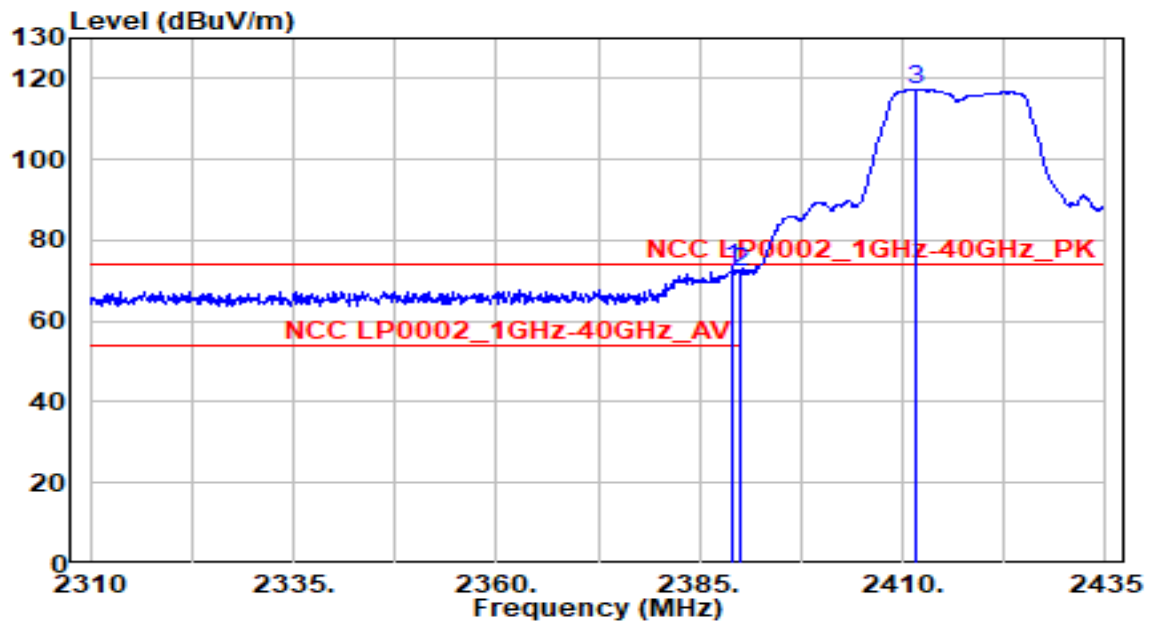


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2370.000	14.39	30.76	45.15	-8.85	54.00	100	15	Average
2	2390.000	12.40	30.80	43.21	-10.79	54.00	100	15	Average
3	2411.375	68.39	30.85	99.24	N/A	N/A	100	15	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH2_ANT 0+1	Test Voltage	By Notebook PC

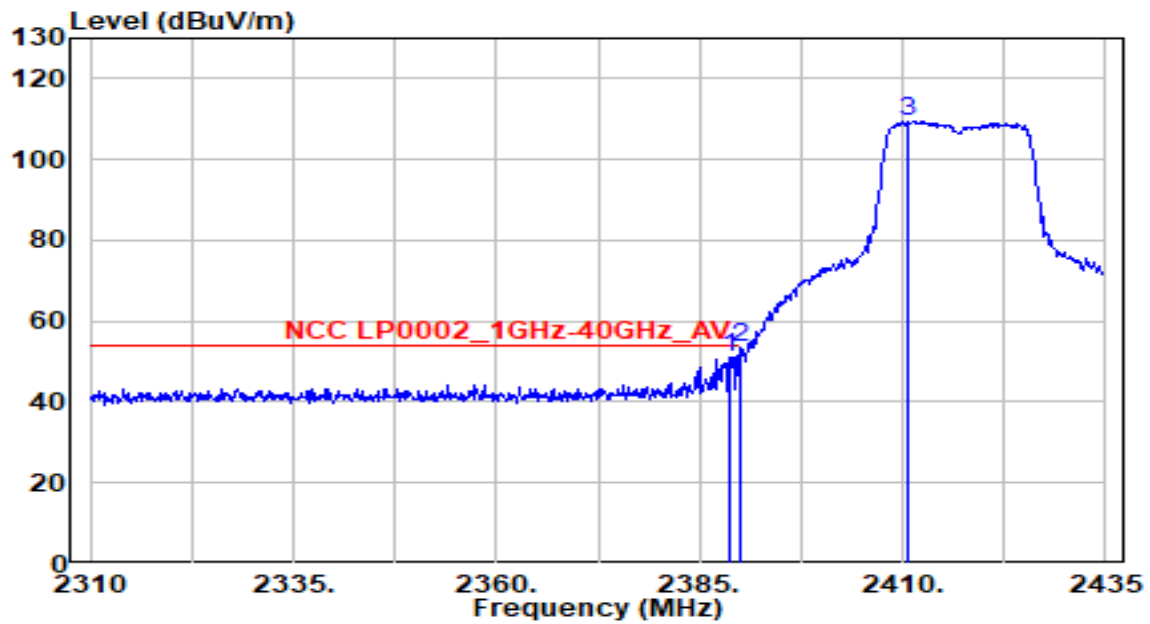


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2389.000	42.11	30.80	72.91	-1.09	74.00	185	195	Peak
2		2390.000	41.12	30.80	71.92	-2.08	74.00	185	195	Peak
3		2411.750	86.42	30.85	117.27	N/A	N/A	185	195	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH2_ANT 0+1	Test Voltage	By Notebook PC

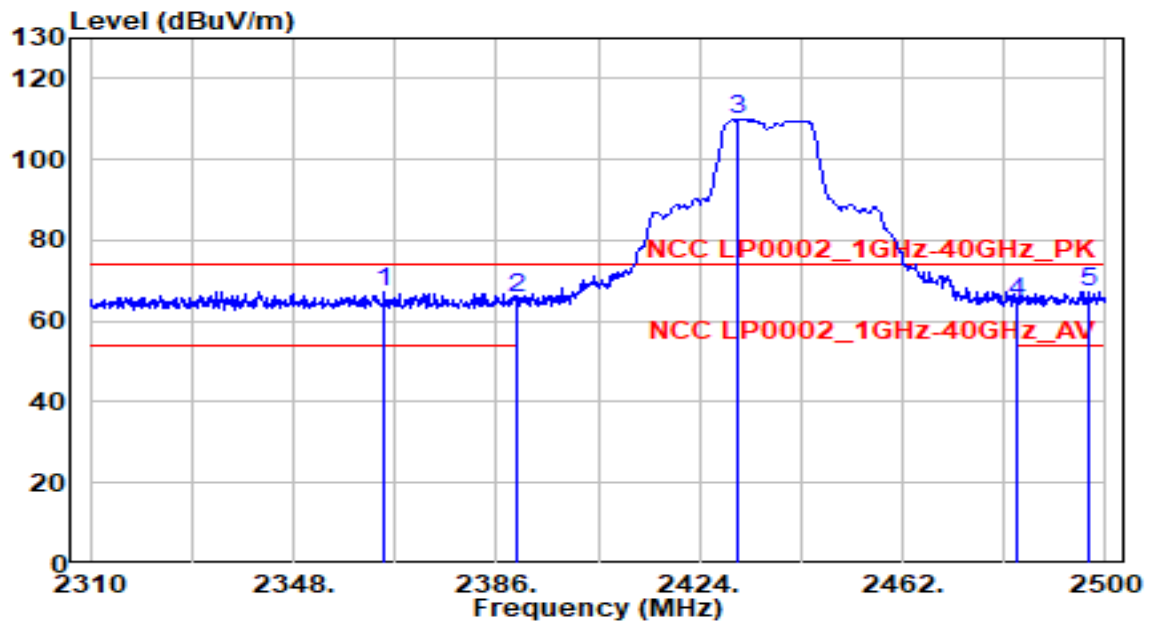


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.750	20.06	30.80	50.86	-3.14	54.00	185	195	Average
2	* 2390.000	22.83	30.80	53.64	-0.36	54.00	185	195	Average
3	2410.500	78.62	30.85	109.47	N/A	N/A	185	195	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH6_ANT 0+1	Test Voltage	By Notebook PC

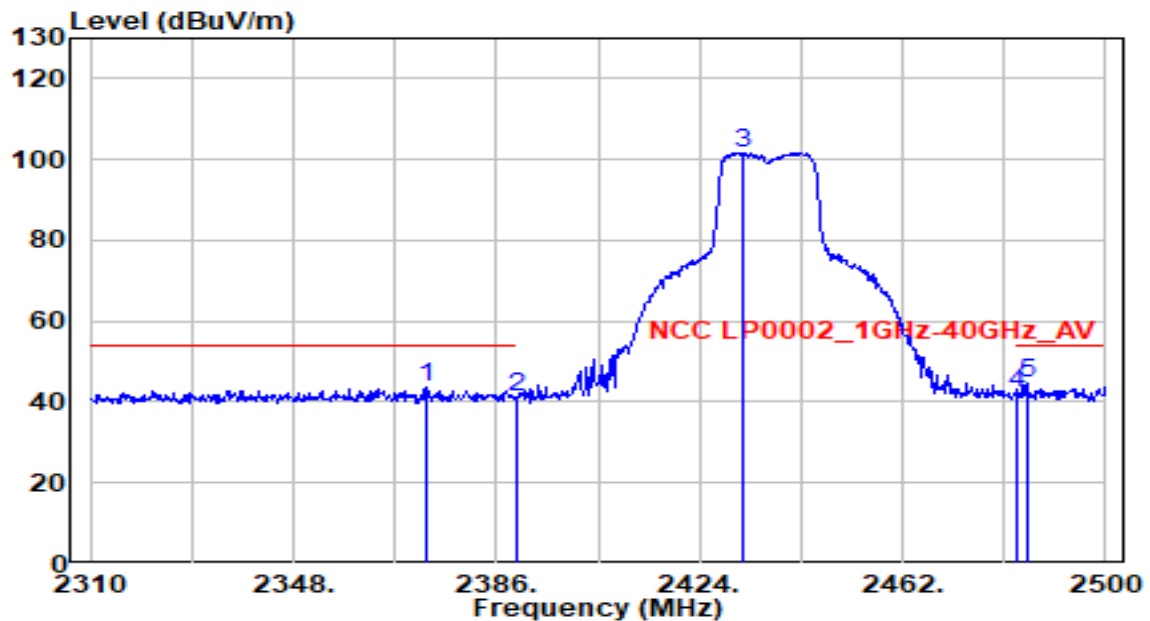


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2364.910	36.64	30.74	67.38	-6.62	74.00	105	10	Peak
2	2390.000	34.73	30.80	65.53	-8.47	74.00	105	10	Peak
3	2431.220	78.98	30.89	109.87	N/A	N/A	105	10	Peak
4	2483.500	33.52	30.99	64.51	-9.49	74.00	105	10	Peak
5	2496.770	36.24	31.01	67.25	-6.75	74.00	105	10	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH6_ANT 0+1	Test Voltage	By Notebook PC

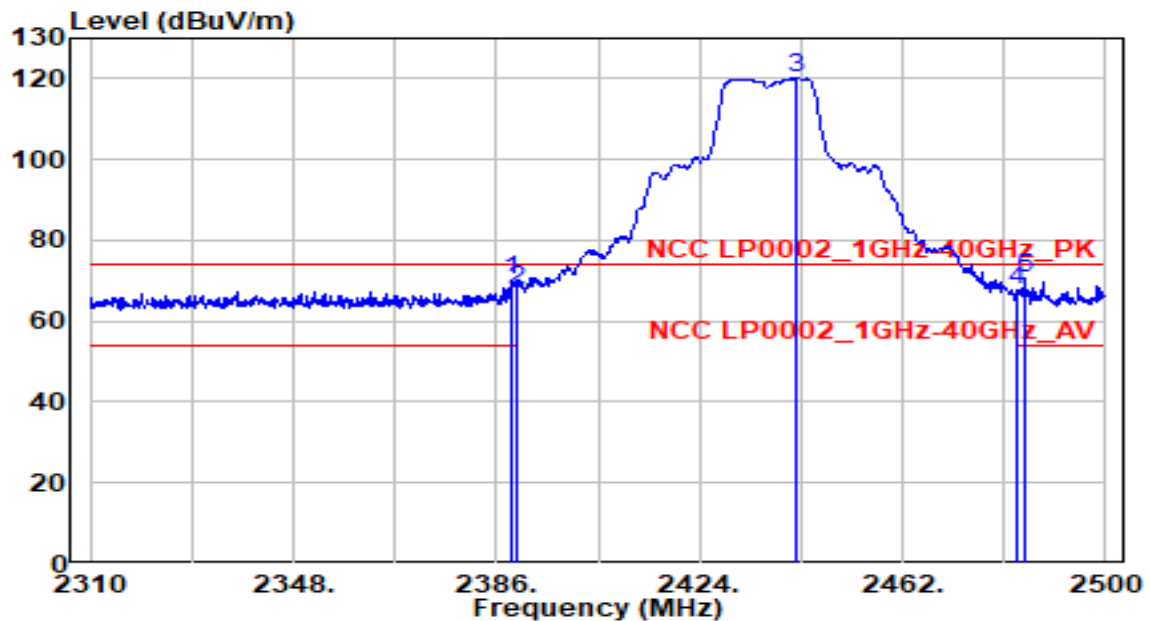


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2372.700	12.74	30.76	43.50	-10.50	54.00	105	10	Average
2	2390.000	10.40	30.80	41.20	-12.80	54.00	105	10	Average
3	2432.360	70.85	30.89	101.74	N/A	N/A	105	10	Average
4	2483.500	11.17	30.99	42.16	-11.84	54.00	105	10	Average
5	* 2485.180	13.48	30.99	44.47	-9.53	54.00	105	10	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH6_ANT 0+1	Test Voltage	By Notebook PC

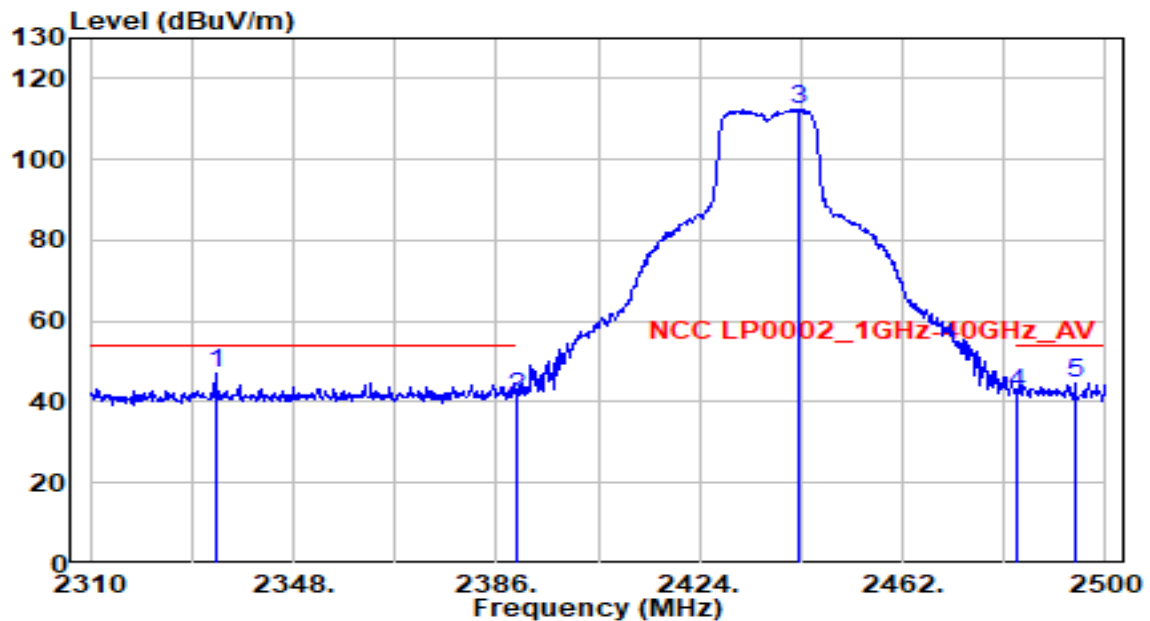


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2389.040	39.55	30.80	70.35	-3.65	74.00	195	195	Peak
2	2390.000	36.82	30.80	67.62	-6.38	74.00	195	195	Peak
3	2442.240	89.22	30.91	120.13	N/A	N/A	195	195	Peak
4	2483.500	36.52	30.99	67.51	-6.49	74.00	195	195	Peak
5	* 2484.800	39.53	30.99	70.52	-3.48	74.00	195	195	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH6_ANT 0+1	Test Voltage	By Notebook PC

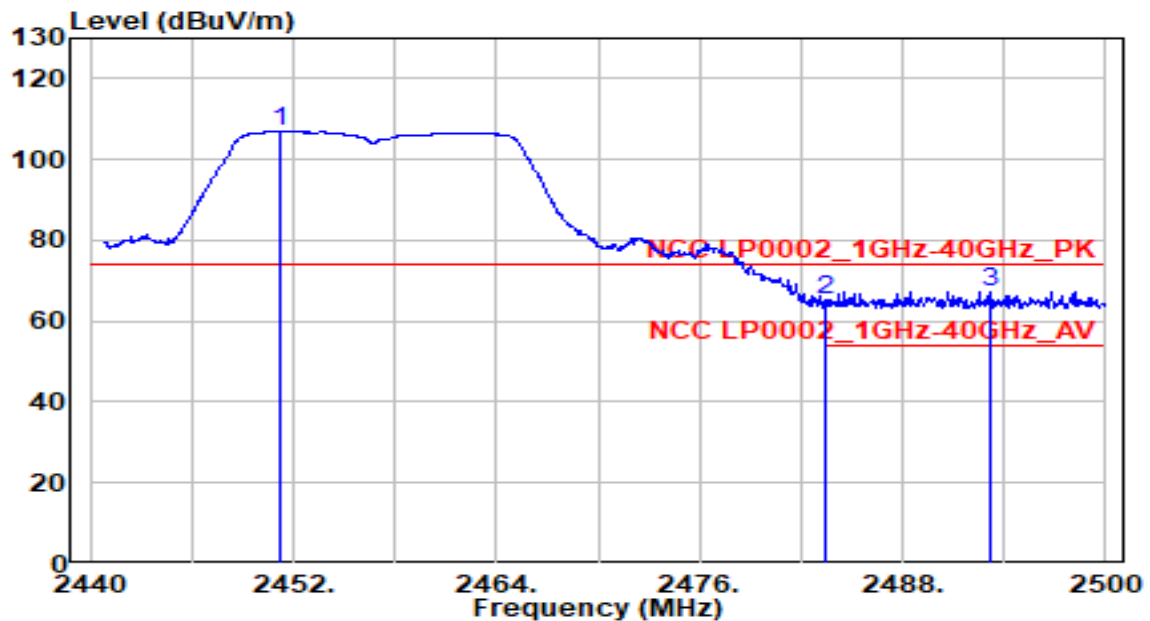


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2333.370	16.33	30.67	46.99	-7.01	54.00	195	195	Average
2	2390.000	10.56	30.80	41.37	-12.63	54.00	195	195	Average
3	2442.430	81.63	30.91	112.54	N/A	N/A	195	195	Average
4	2483.500	11.20	30.99	42.19	-11.81	54.00	195	195	Average
5	2494.300	13.88	31.01	44.89	-9.11	54.00	195	195	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH10_ANT 0+1	Test Voltage	By Notebook PC

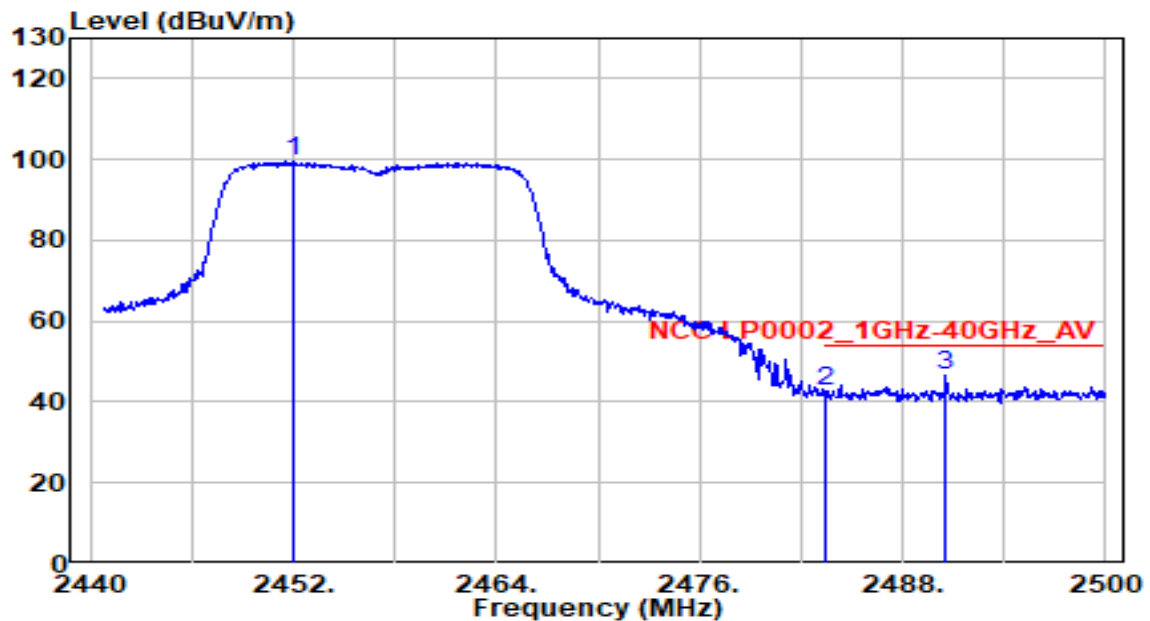


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2451.220	76.05	30.93	106.98	N/A	N/A	100	10	Peak
2	2483.500	34.20	30.99	65.19	-8.81	74.00	100	10	Peak
3	* 2493.160	36.33	31.01	67.34	-6.66	74.00	100	10	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH10_ANT 0+1	Test Voltage	By Notebook PC

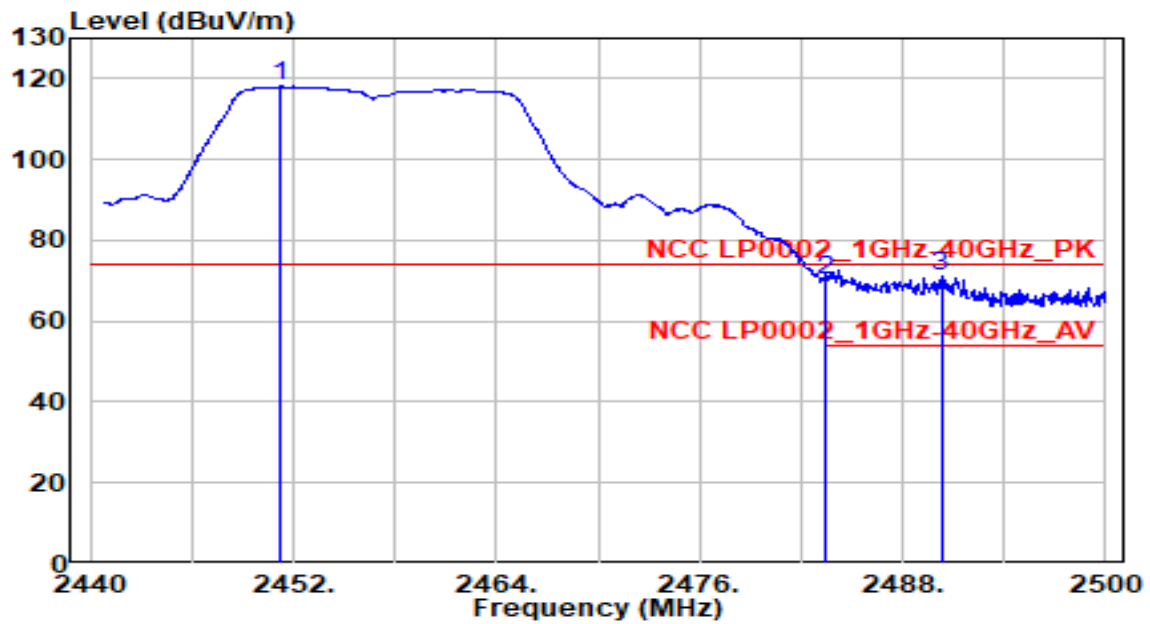


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2452.060	68.58	30.93	99.51	N/A	N/A	100	10	Average
2	2483.500	11.66	30.99	42.65	-11.35	54.00	100	10	Average
3	* 2490.580	15.77	31.00	46.78	-7.22	54.00	100	10	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH10_ANT 0+1	Test Voltage	By Notebook PC

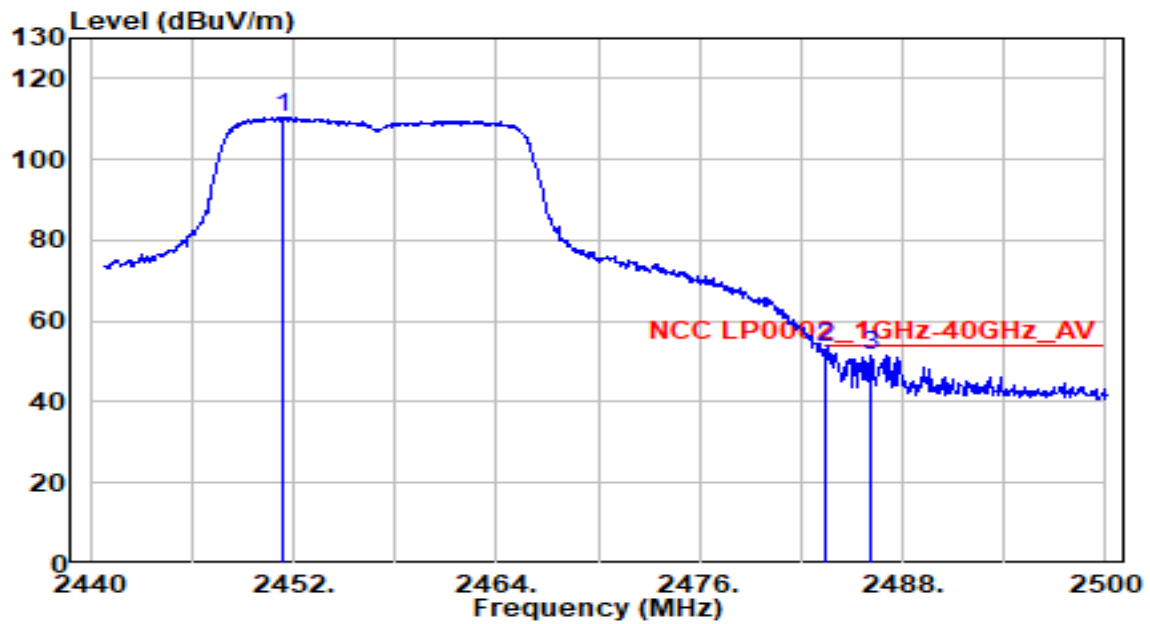


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2451.220	87.10	30.93	118.03	N/A	N/A	160	190	Peak
2	2483.500	39.11	30.99	70.10	-3.90	74.00	160	190	Peak
3	* 2490.280	39.90	31.00	70.90	-3.10	74.00	160	190	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-12-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /63%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH10_ANT 0+1	Test Voltage	By Notebook PC

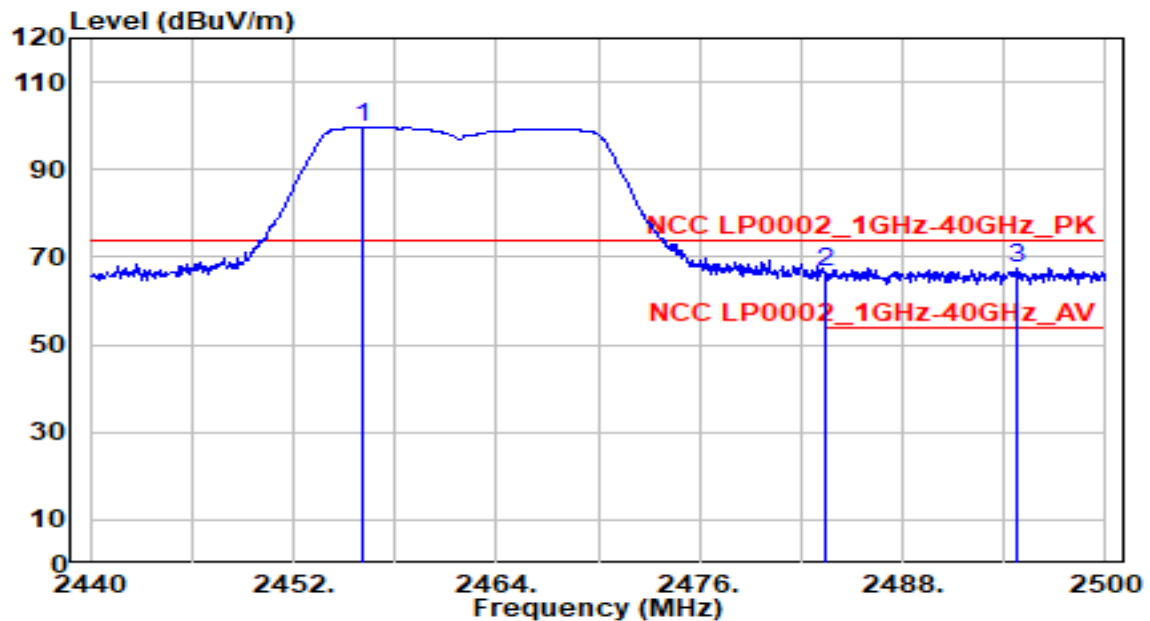


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2451.400	79.69	30.93	110.62	N/A	N/A	160	190	Average
2	* 2483.500	22.67	30.99	53.66	-0.34	54.00	160	190	Average
3	2486.080	20.38	30.99	51.37	-2.63	54.00	160	190	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	By Notebook PC

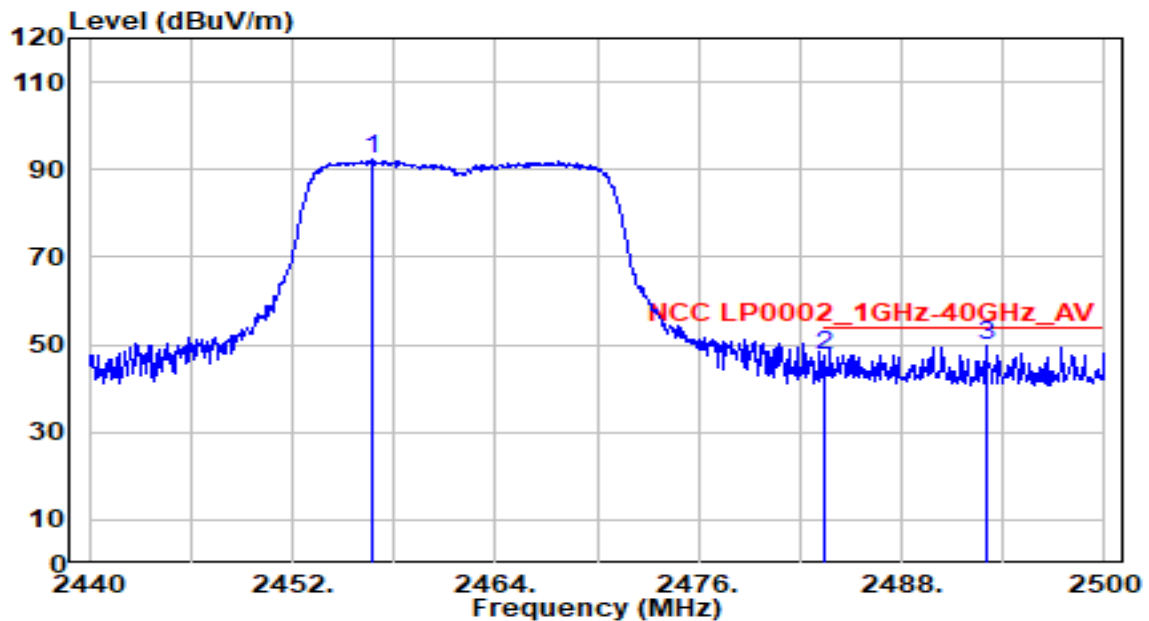


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2456.140	69.26	30.41	99.67	N/A	N/A	175	160	Peak
2	2483.500	35.93	30.46	66.39	-7.61	74.00	175	160	Peak
3	* 2494.780	36.87	30.48	67.35	-6.65	74.00	175	160	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C /70%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	By Notebook PC

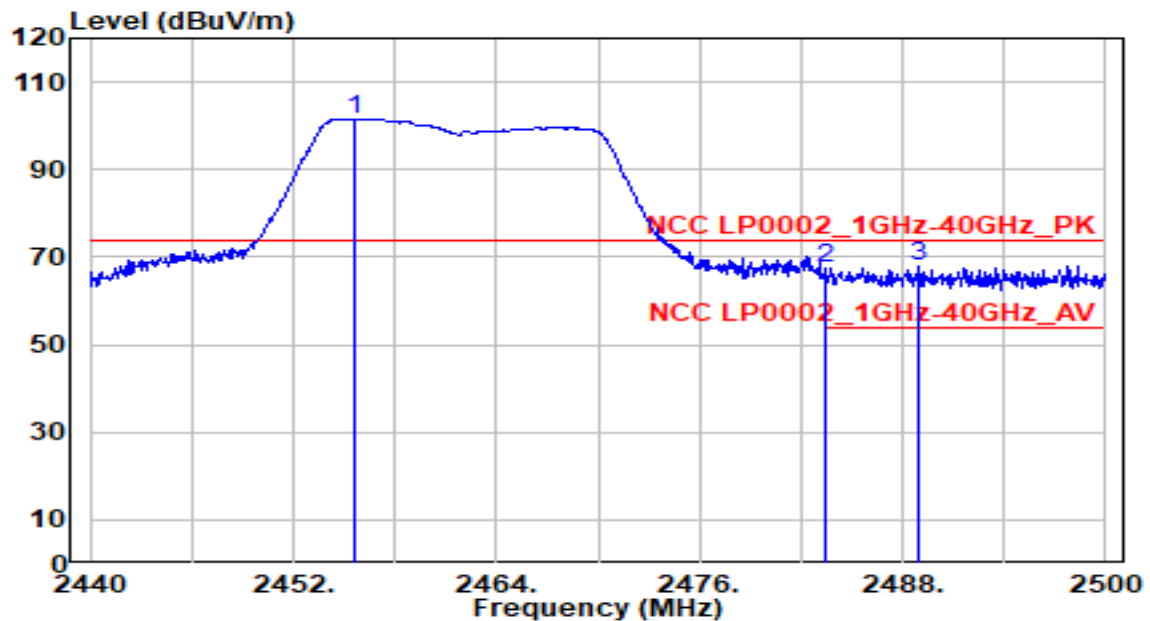


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2456.680	61.81	30.41	92.22	N/A	N/A	175	160	Average
2	2483.500	17.05	30.46	47.51	-6.49	54.00	175	160	Average
3	* 2492.980	19.36	30.48	49.84	-4.16	54.00	175	160	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	By Notebook PC

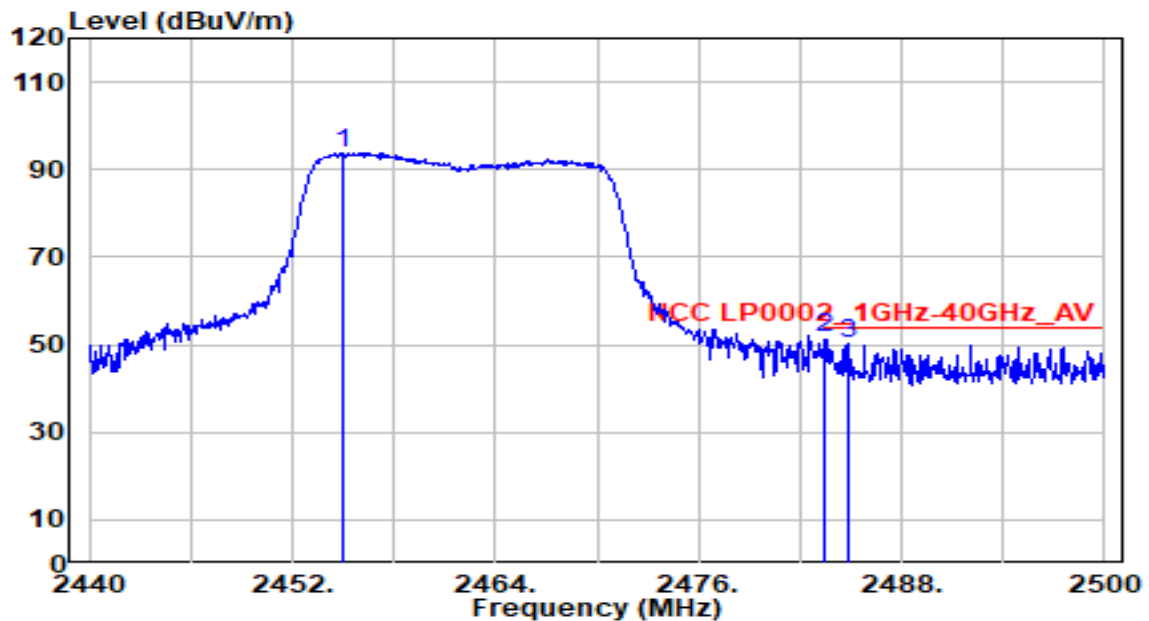


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2455.600	71.23	30.41	101.64	N/A	N/A	175	170	Peak
2	2483.500	37.05	30.46	67.51	-6.49	74.00	175	170	Peak
3	* 2488.960	37.48	30.47	67.95	-6.05	74.00	175	170	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2021-11-23
Factor	DRH18-E	Temp. / Humidity	23.9°C / 70%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-20MHz_TX_CH 11_ANT 0+1	Test Voltage	By Notebook PC

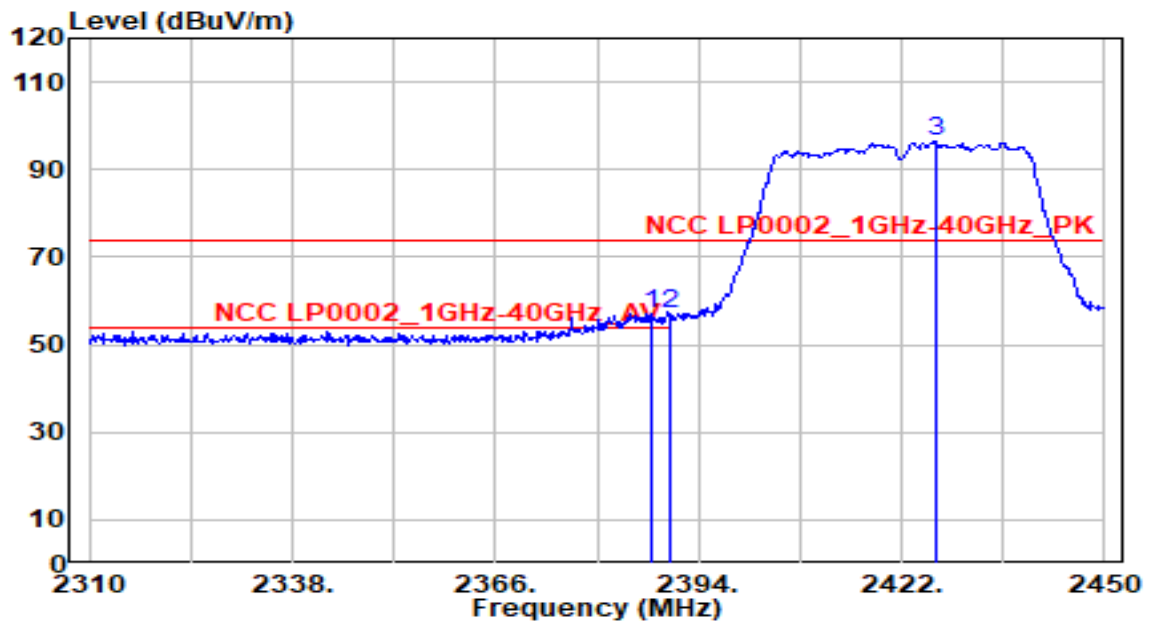


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2455.000	63.49	30.41	93.90	N/A	N/A	175	170	Average
2	* 2483.500	21.11	30.46	51.57	-2.43	54.00	175	170	Average
3	2484.880	19.72	30.46	50.18	-3.82	54.00	175	170	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	By Notebook PC

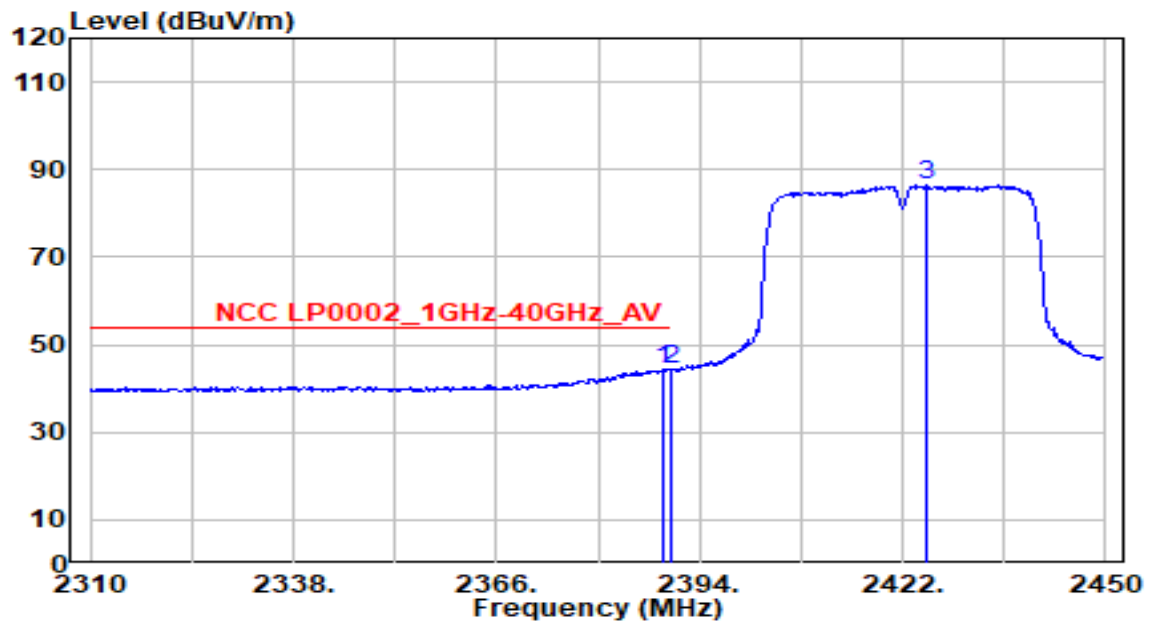


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.420	26.89	30.28	57.17	-16.83	74.00	185	265	Peak
2	2390.000	26.58	30.29	56.87	-17.13	74.00	185	265	Peak
3	2426.620	65.99	30.36	96.35	N/A	N/A	185	265	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
- Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	By Notebook PC

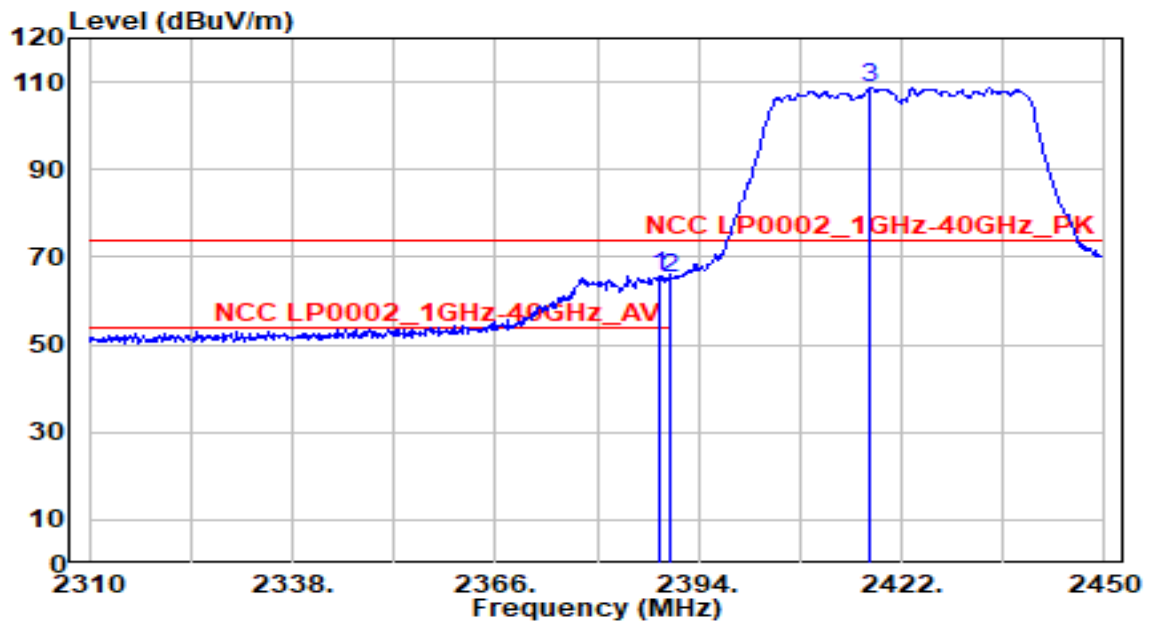


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2388.820	13.98	30.28	44.26	-9.74	54.00	185	265	Average
2		2390.000	13.87	30.29	44.16	-9.84	54.00	185	265	Average
3		2425.360	56.06	30.36	86.42	N/A	N/A	185	265	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	By Notebook PC

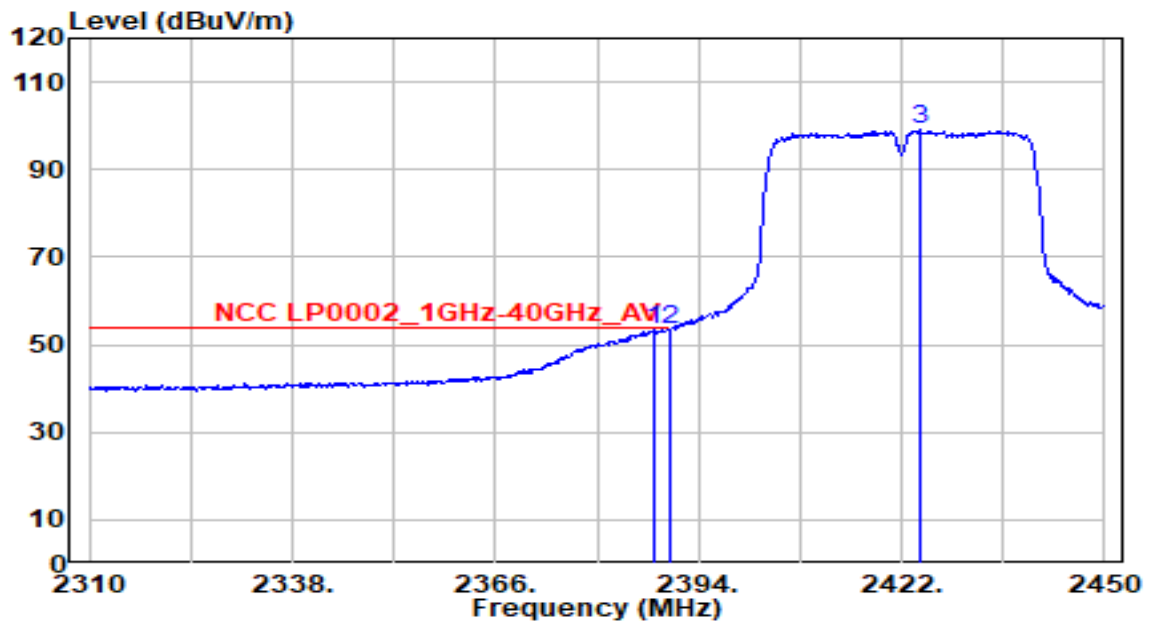


No		Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	*	2388.680	35.46	30.28	65.74	-8.26	74.00	200	175	Peak
2		2390.000	34.91	30.29	65.20	-8.80	74.00	200	175	Peak
3		2417.660	78.44	30.34	108.78	N/A	N/A	200	175	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 3_ANT 0+1	Test Voltage	By Notebook PC

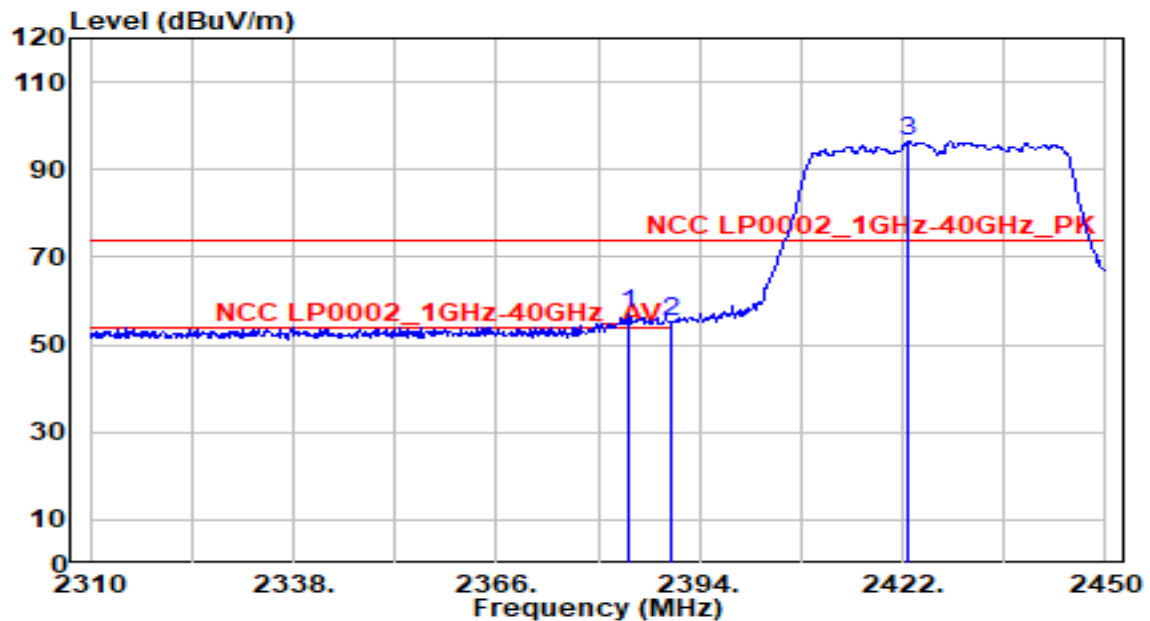


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.980	22.94	30.28	53.22	-0.78	54.00	200	175	Average
2	* 2390.000	23.17	30.29	53.46	-0.54	54.00	200	175	Average
3	2424.520	68.71	30.35	99.07	N/A	N/A	200	175	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 4_ANT 0+1	Test Voltage	By Notebook PC

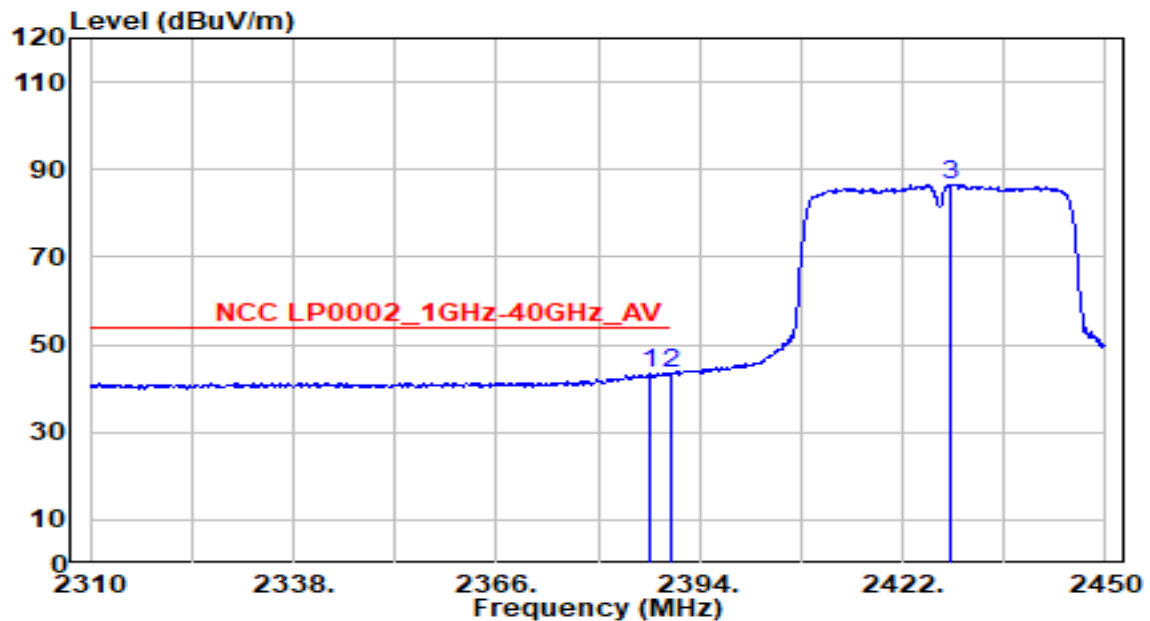


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	* 2384.340	26.64	30.27	56.91	-17.09	74.00	185	265	Peak
2	2390.000	25.04	30.29	55.33	-18.67	74.00	185	265	Peak
3	2422.840	66.05	30.35	96.40	N/A	N/A	185	265	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 4_ANT 0+1	Test Voltage	By Notebook PC

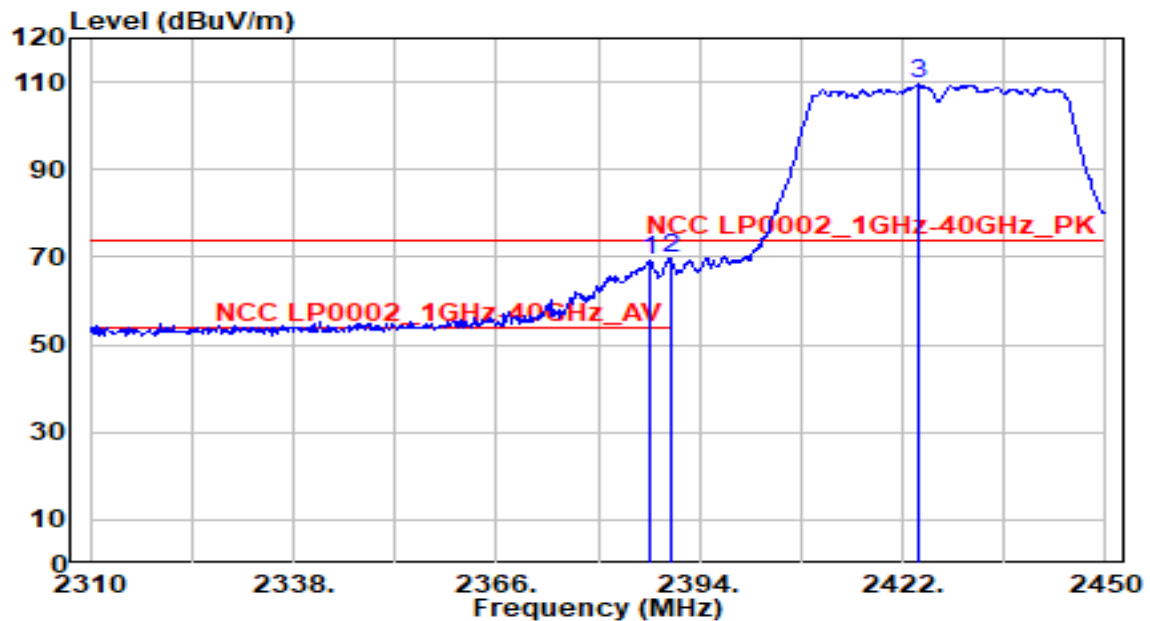


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.280	13.09	30.28	43.37	-10.63	54.00	185	265	Average
2	* 2390.000	13.14	30.29	43.42	-10.58	54.00	185	265	Average
3	2428.720	56.33	30.36	86.69	N/A	N/A	185	265	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 4_ANT 0+1	Test Voltage	By Notebook PC

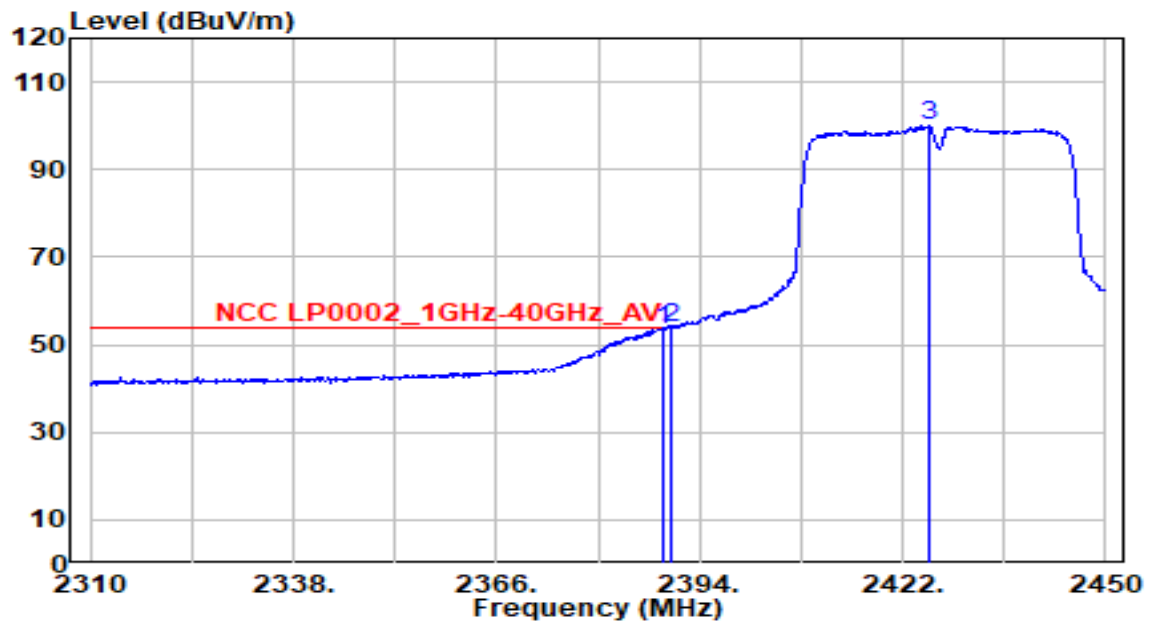


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2387.000	38.94	30.28	69.22	-4.78	74.00	165	350	Peak
2	* 2390.000	39.36	30.29	69.65	-4.35	74.00	165	350	Peak
3	2424.100	79.05	30.35	109.40	N/A	N/A	165	350	Peak

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 4_ANT 0+1	Test Voltage	By Notebook PC

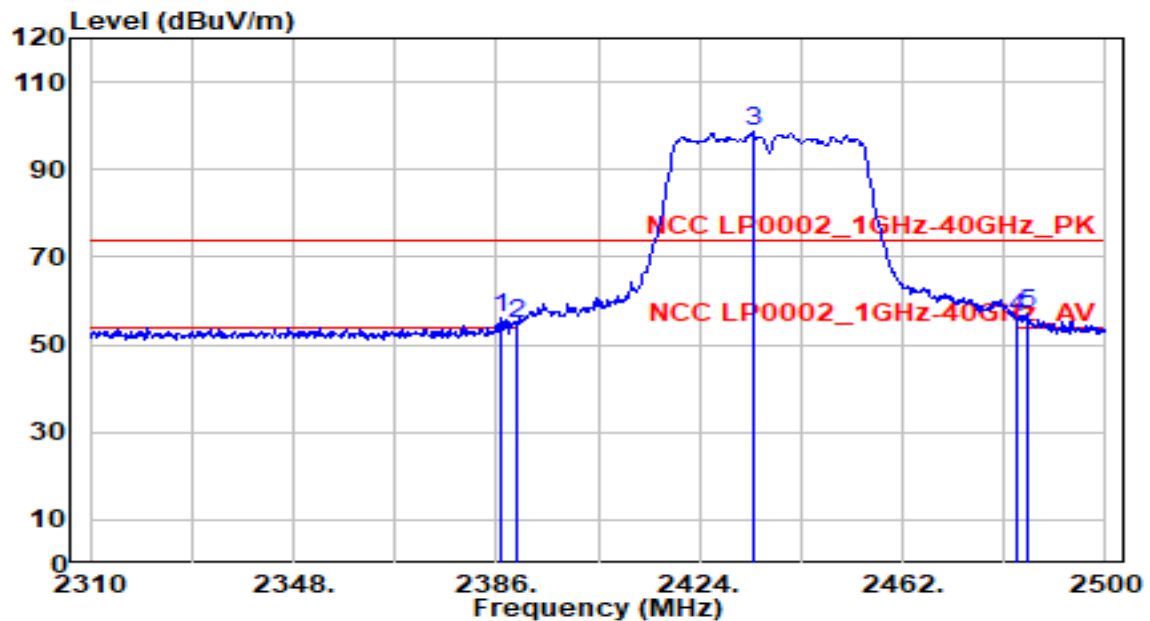


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.820	23.35	30.28	53.63	-0.37	54.00	165	350	Average
2	* 2390.000	23.58	30.29	53.86	-0.14	54.00	165	350	Average
3	2425.500	69.61	30.36	99.96	N/A	N/A	165	350	Average

Note:

- "*", means this data is the worst emission level.
- C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
- Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
- The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

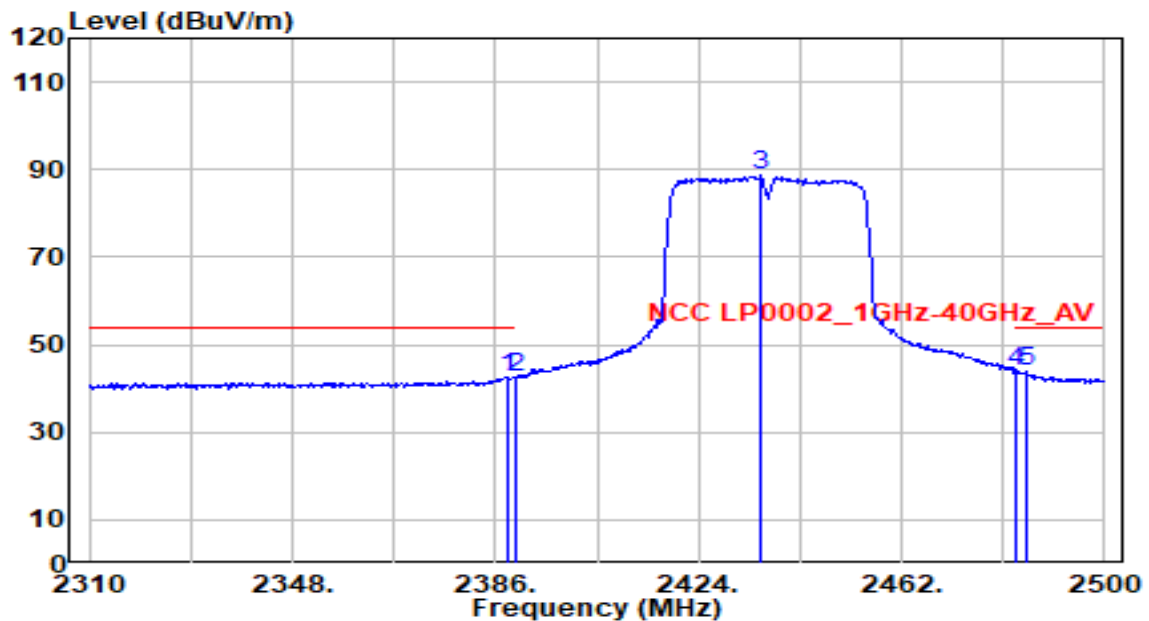


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2386.950	25.74	30.28	56.02	-17.98	74.00	185	265	Peak
2	2390.000	24.53	30.29	54.81	-19.19	74.00	185	265	Peak
3	2434.070	68.17	30.37	98.55	N/A	N/A	185	265	Peak
4	2483.500	25.50	30.46	55.97	-18.03	74.00	185	265	Peak
5	* 2485.560	26.67	30.46	57.13	-16.87	74.00	185	265	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

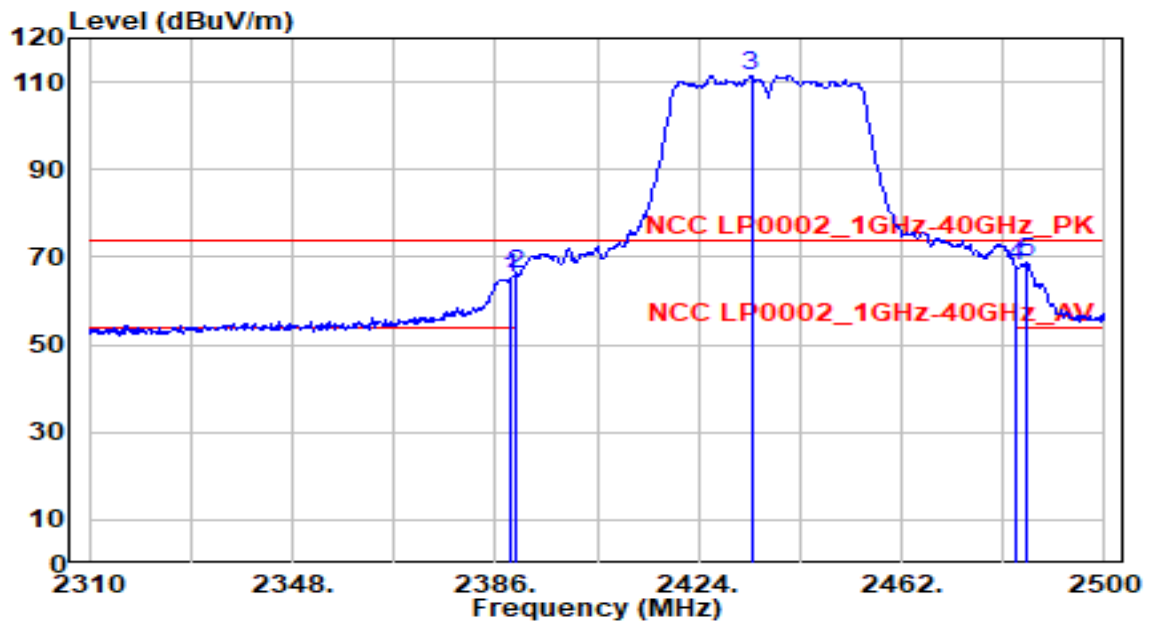


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2388.280	12.36	30.28	42.64	-11.36	54.00	185	265	Average
2	2390.000	12.21	30.29	42.50	-11.50	54.00	185	265	Average
3	2435.590	58.30	30.37	88.68	N/A	N/A	185	265	Average
4 *	2483.500	13.51	30.46	43.97	-10.03	54.00	185	265	Average
5	2485.180	13.32	30.46	43.78	-10.22	54.00	185	265	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

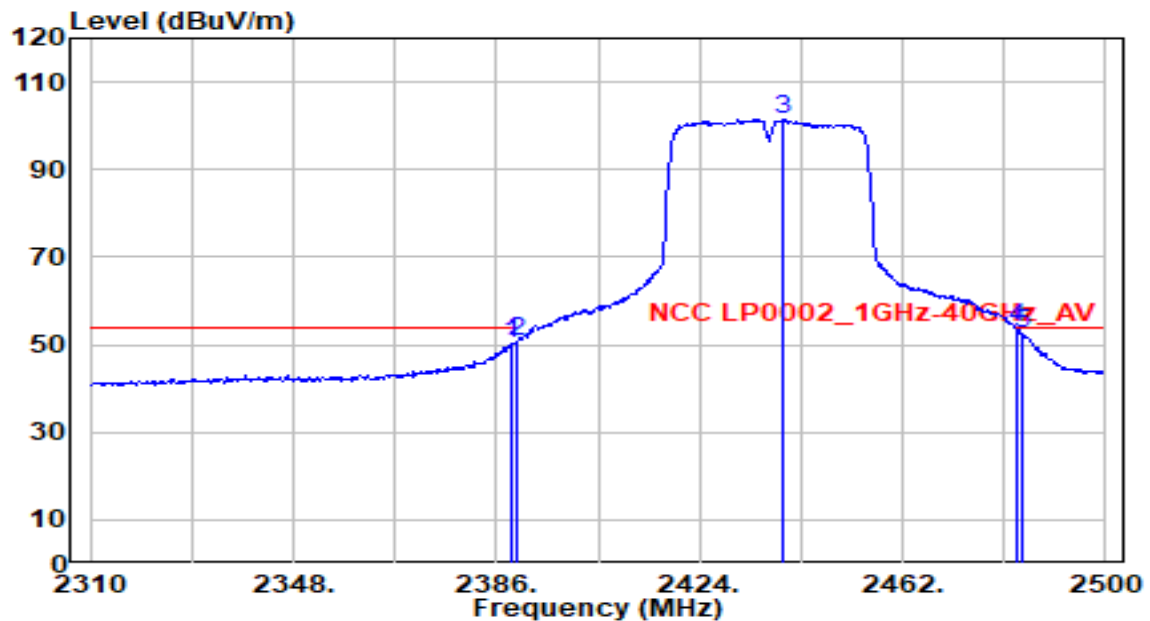


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2389.040	34.96	30.28	65.25	-8.75	74.00	155	175	Peak
2	2390.000	35.95	30.29	66.23	-7.77	74.00	155	175	Peak
3	2433.880	81.23	30.37	111.60	N/A	N/A	155	175	Peak
4	2483.500	37.39	30.46	67.85	-6.15	74.00	155	175	Peak
5	* 2485.560	38.16	30.46	68.62	-5.38	74.00	155	175	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 6_ANT 0+1	Test Voltage	By Notebook PC

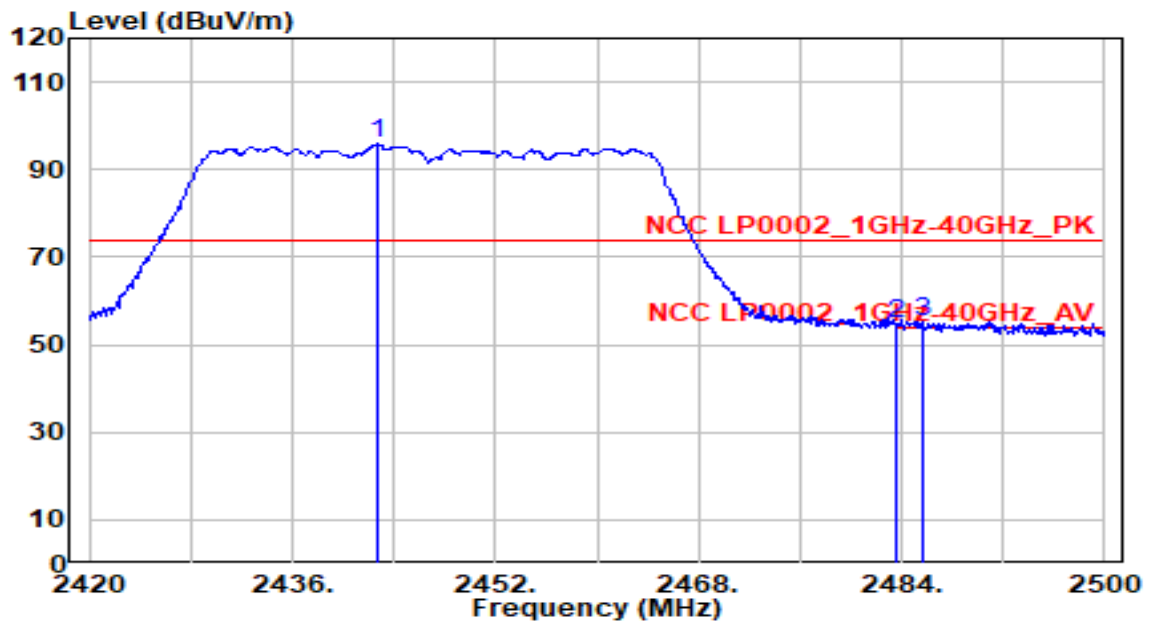


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2389.040	20.10	30.28	50.39	-3.61	54.00	155	175	Average
2	2390.000	20.42	30.29	50.70	-3.30	54.00	155	175	Average
3	2439.580	71.13	30.38	101.51	N/A	N/A	155	175	Average
4 *	2483.500	23.33	30.46	53.79	-0.21	54.00	155	175	Average
5	2484.610	22.21	30.46	52.68	-1.32	54.00	155	175	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 8_ANT 0+1	Test Voltage	By Notebook PC

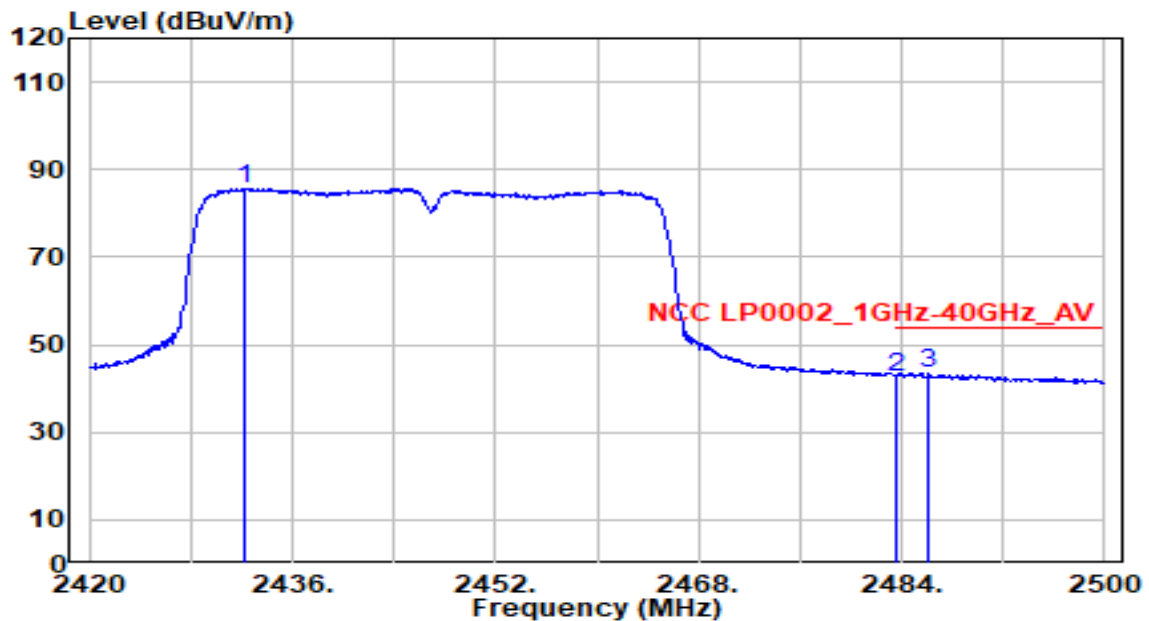


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2442.720	65.46	30.39	95.84	N/A	N/A	185	260	Peak
2	2483.500	24.29	30.46	54.75	-19.25	74.00	185	260	Peak
3	* 2485.600	24.96	30.46	55.43	-18.57	74.00	185	260	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 8_ANT 0+1	Test Voltage	By Notebook PC

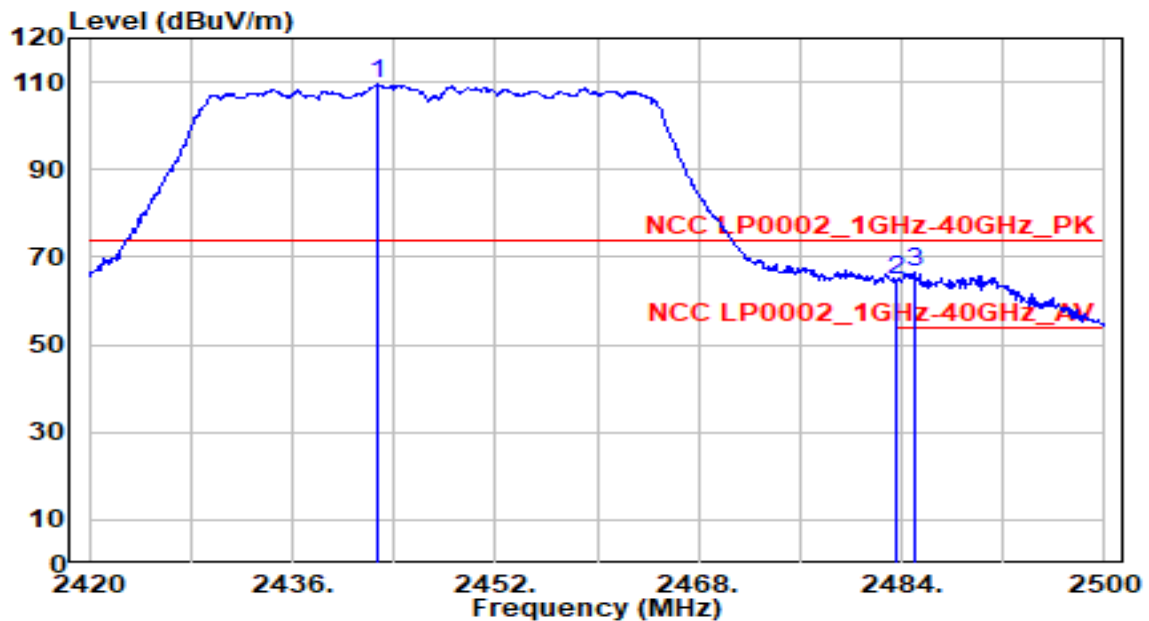


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2432.320	55.43	30.37	85.80	N/A	N/A	185	260	Average
2	2483.500	11.95	30.46	42.41	-11.59	54.00	185	260	Average
3	* 2486.080	12.98	30.46	43.44	-10.56	54.00	185	260	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 8_ANT 0+1	Test Voltage	By Notebook PC

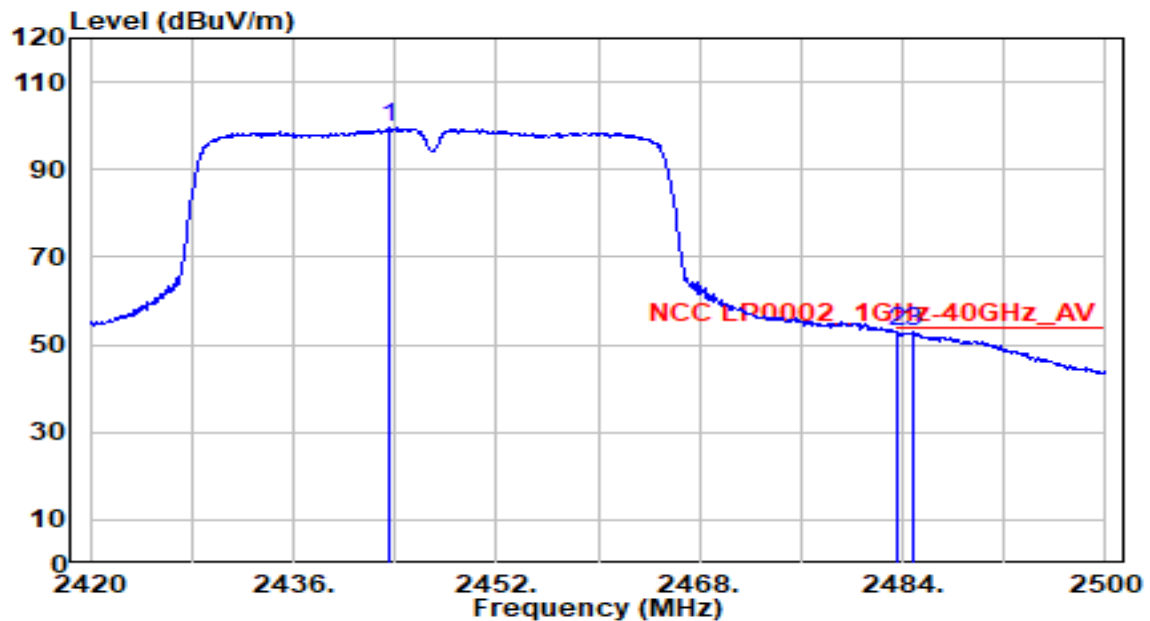


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2442.800	79.19	30.39	109.58	N/A	N/A	185	175	Peak
2	2483.500	34.28	30.46	64.74	-9.26	74.00	185	175	Peak
3	* 2484.960	36.09	30.46	66.55	-7.45	74.00	185	175	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 8_ANT 0+1	Test Voltage	By Notebook PC

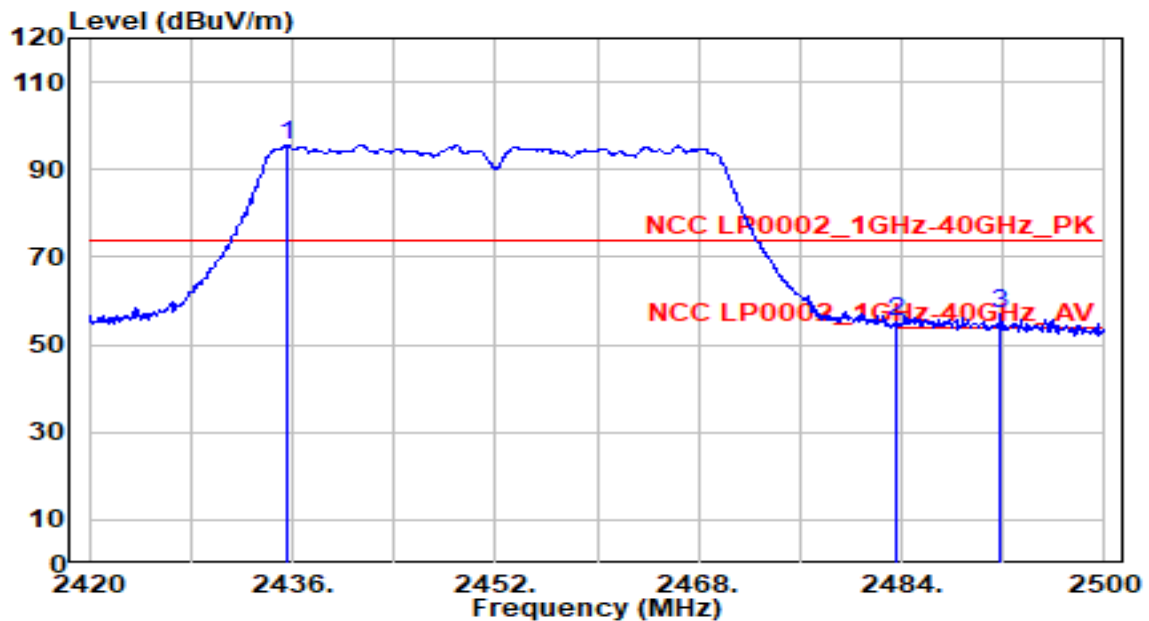


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2443.520	69.19	30.39	99.58	N/A	N/A	185	175	Average
2	* 2483.500	22.49	30.46	52.95	-1.05	54.00	185	175	Average
3	2484.800	22.35	30.46	52.81	-1.19	54.00	185	175	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	By Notebook PC

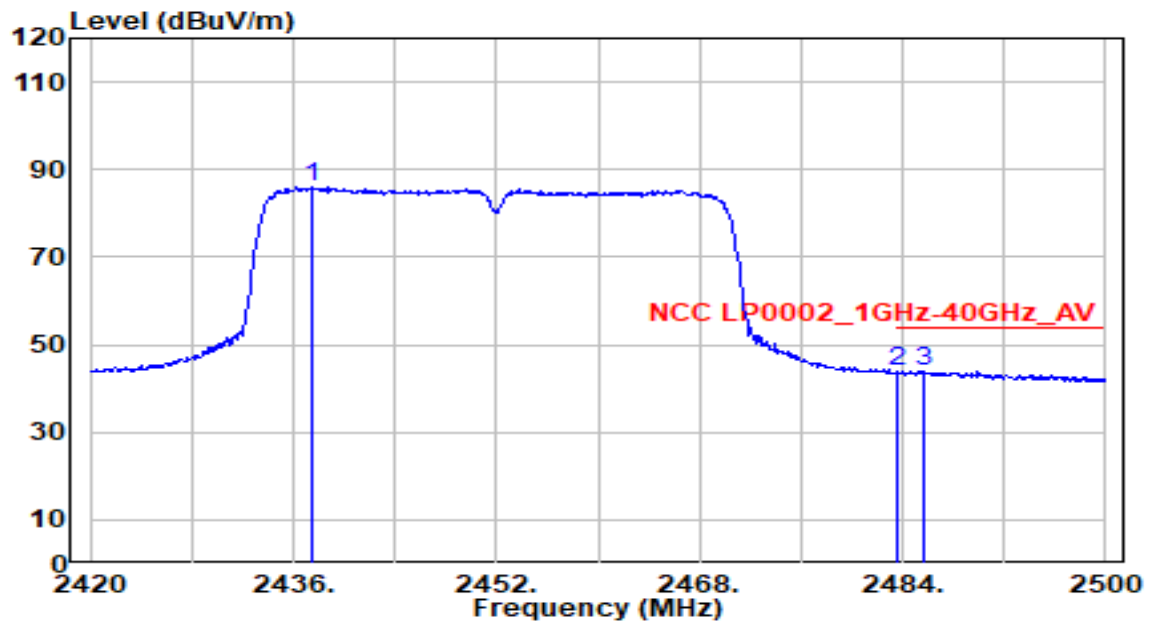


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2435.680	65.26	30.37	95.63	N/A	N/A	190	260	Peak
2	2483.500	24.83	30.46	55.29	-18.71	74.00	190	260	Peak
3	* 2491.840	26.47	30.48	56.95	-17.05	74.00	190	260	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Horizontal	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	By Notebook PC

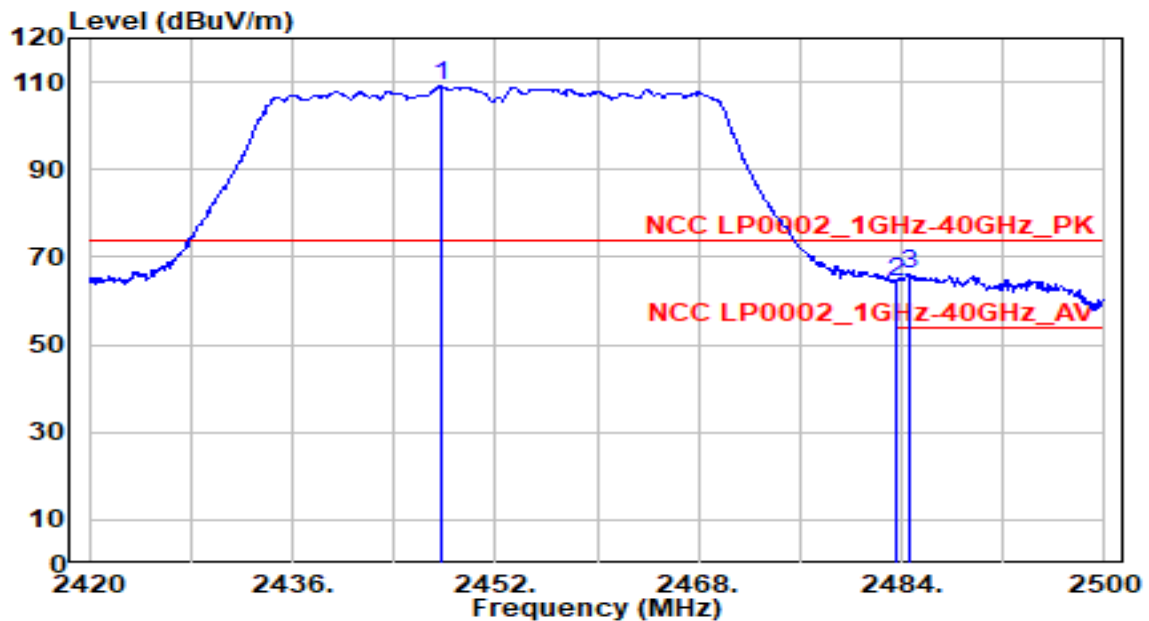


No	Frequency (MHz)	Reading (dBuV)	C.F (dB/m)	Measurement (dBuV/m)	Margin (dB)	Limit (dBuV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2437.440	55.83	30.38	86.20	N/A	N/A	190	260	Average
2	2483.500	13.42	30.46	43.88	-10.12	54.00	190	260	Average
3	* 2485.760	13.61	30.46	44.08	-9.92	54.00	190	260	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBuV/m) = Reading(dBuV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	By Notebook PC

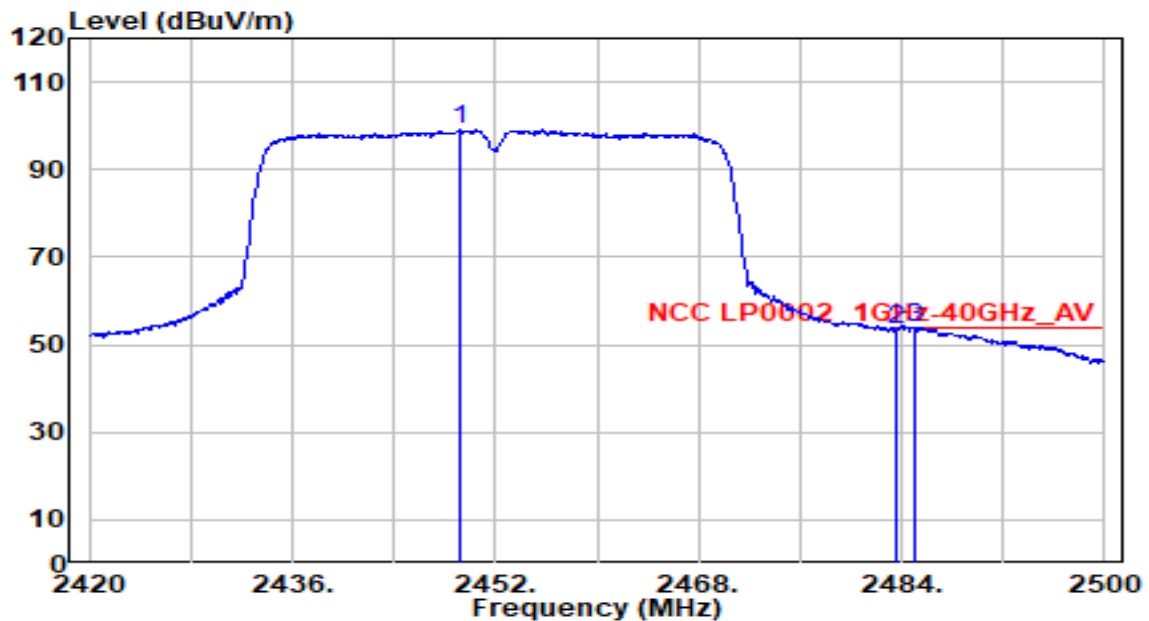


No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2447.760	78.72	30.40	109.11	N/A	N/A	180	175	Peak
2	2483.500	33.83	30.46	64.29	-9.71	74.00	180	175	Peak
3	* 2484.560	35.63	30.46	66.10	-7.90	74.00	180	175	Peak

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

EUT	AC1300 Dual Antennas High Gain Wireless USB Adapter	Date of Test	2022-01-13
Factor	DRH18-E	Temp. / Humidity	19.1°C /58%
Polarity	Vertical	Site / Test Engineer	AC2 / Owen
Test Mode	802.11n-40MHz_TX_CH 9_ANT 0+1	Test Voltage	By Notebook PC



No	Frequency (MHz)	Reading (dBUV)	C.F (dB/m)	Measurement (dBUV/m)	Margin (dB)	Limit (dBUV/m)	Height (cm)	Angle (deg)	Remark (QP/PK/AV)
1	2449.200	68.65	30.40	99.05	N/A	N/A	180	175	Average
2	2483.500	23.09	30.46	53.55	-0.45	54.00	180	175	Average
3	* 2485.120	23.51	30.46	53.97	-0.03	54.00	180	175	Average

Note:

1. " *", means this data is the worst emission level.
2. C.F (Correction Factor) = Antenna Factor (dB)+ Cable Loss (dB).
3. Measurement (dBUV/m) = Reading(dBUV) + C.F (Correction Factor).
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

5.7 占用頻寬

5.7.1 量測方法

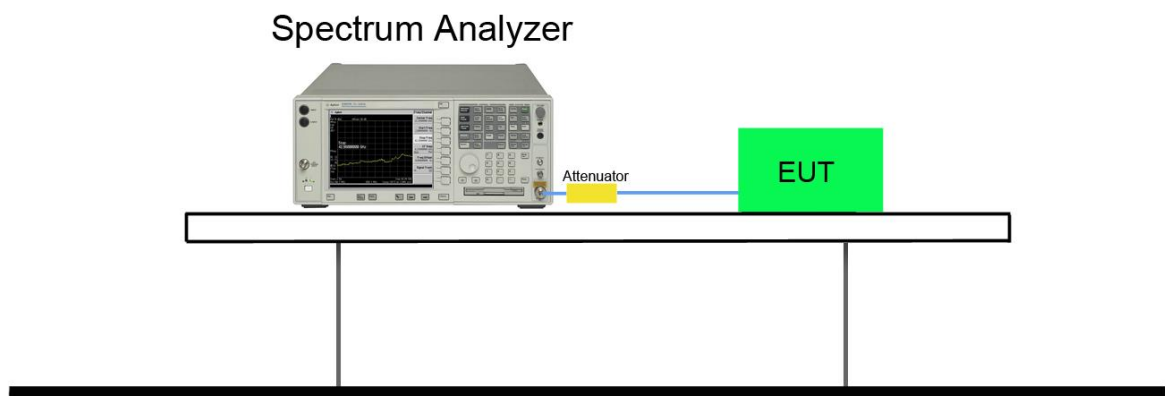
待測物之天線埠經由適當之衰減直接連至頻譜分析儀RF輸入端，頻譜分析儀之設定,參考如下:

- (1) Set RBW = 100 kHz
- (2) VBW $\geq 3 \times$ RBW
- (3) Detector = Peak
- (4) Trace mode = max hold
- (5) Sweep = auto couple

5.7.2 限制要求

6dB頻寬至少應有500kHz。

5.7.3 測試架構圖

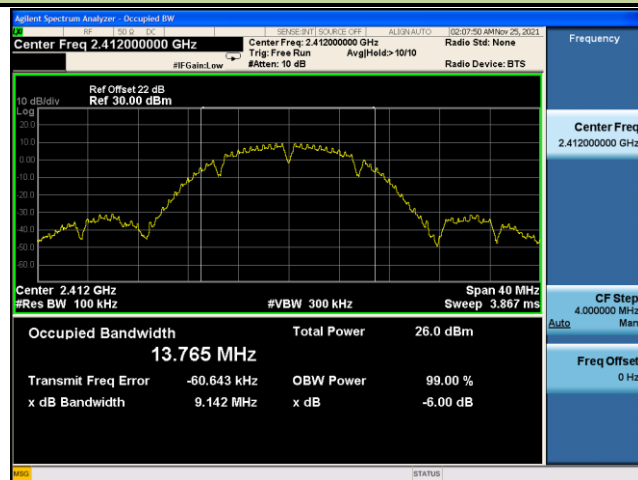


5.7.4 占用頻寬測試結果

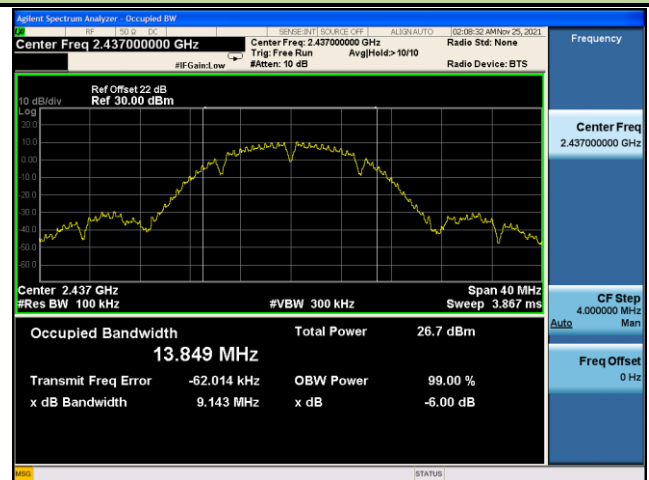
Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 0						
802.11b_SISO	1	01	2412	9.142	≥ 0.5	Pass
802.11b_SISO	1	06	2437	9.143	≥ 0.5	Pass
802.11b_SISO	1	11	2462	9.587	≥ 0.5	Pass
802.11g_SISO	6	01	2412	16.52	≥ 0.5	Pass
802.11g_SISO	6	06	2437	16.53	≥ 0.5	Pass
802.11g_SISO	6	11	2462	16.54	≥ 0.5	Pass
802.11n-HT20_MIMO	19.5	01	2412	17.66	≥ 0.5	Pass
802.11n-HT20_MIMO	19.5	06	2437	17.68	≥ 0.5	Pass
802.11n-HT20_MIMO	19.5	11	2462	17.67	≥ 0.5	Pass
802.11n-HT40_MIMO	40.5	03	2422	36.47	≥ 0.5	Pass
802.11n-HT40_MIMO	40.5	06	2437	36.49	≥ 0.5	Pass
802.11n-HT40_MIMO	40.5	09	2452	36.46	≥ 0.5	Pass

Test Mode	Data Rate (Mbps)	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
Ant 1						
802.11n-HT20_MIMO	19.5	01	2412	17.69	≥ 0.5	Pass
802.11n-HT20_MIMO	19.5	06	2437	17.68	≥ 0.5	Pass
802.11n-HT20_MIMO	19.5	11	2462	17.70	≥ 0.5	Pass
802.11n-HT40_MIMO	40.5	03	2422	36.44	≥ 0.5	Pass
802.11n-HT40_MIMO	40.5	06	2437	36.46	≥ 0.5	Pass
802.11n-HT40_MIMO	40.5	09	2452	36.46	≥ 0.5	Pass

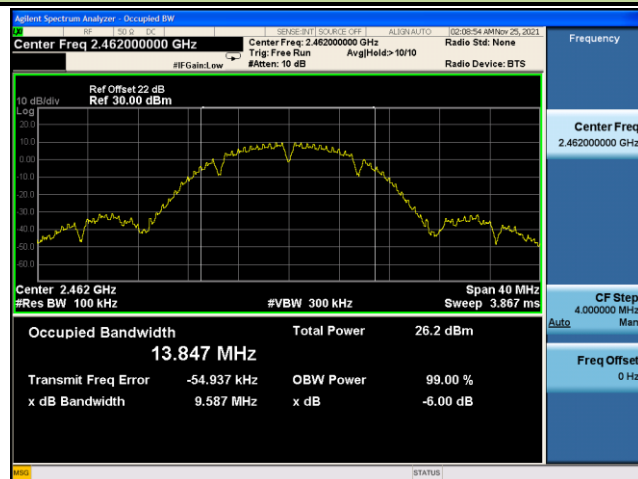
802.11 b CH01 (2412MHz) Ant 0



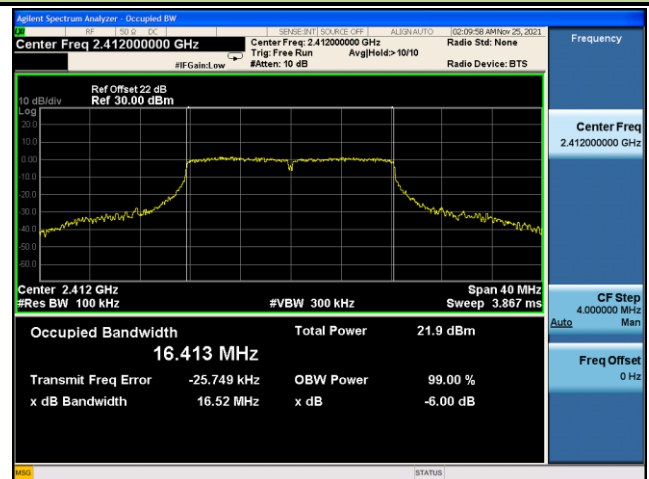
802.11 b CH06 (2437MHz) Ant 0



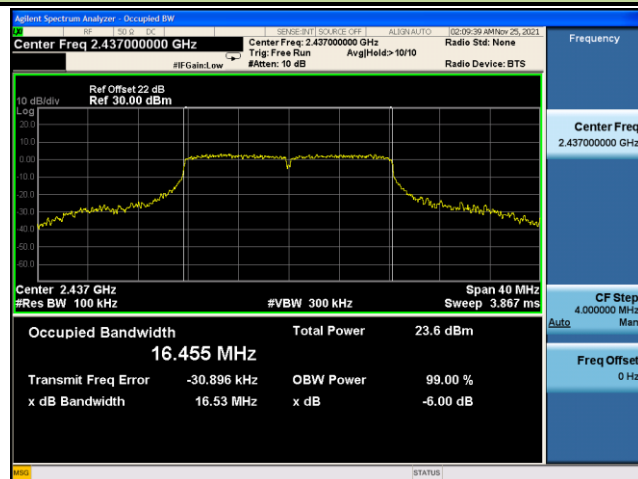
802.11 b CH11 (2462MHz) Ant 0



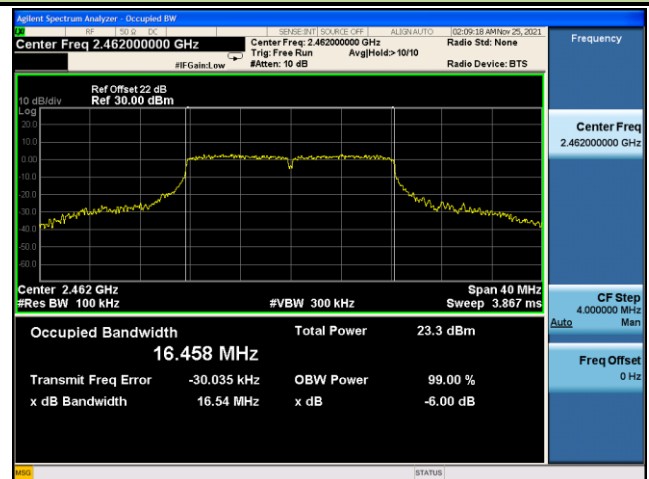
802.11 g CH01 (2412MHz) Ant 0



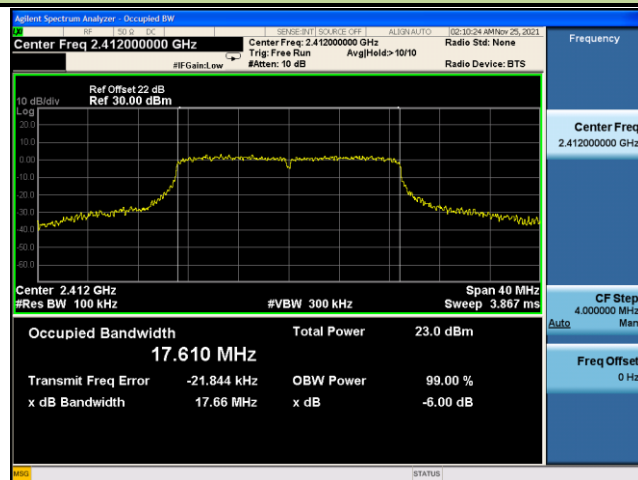
802.11 g CH06 (2437MHz) Ant 0



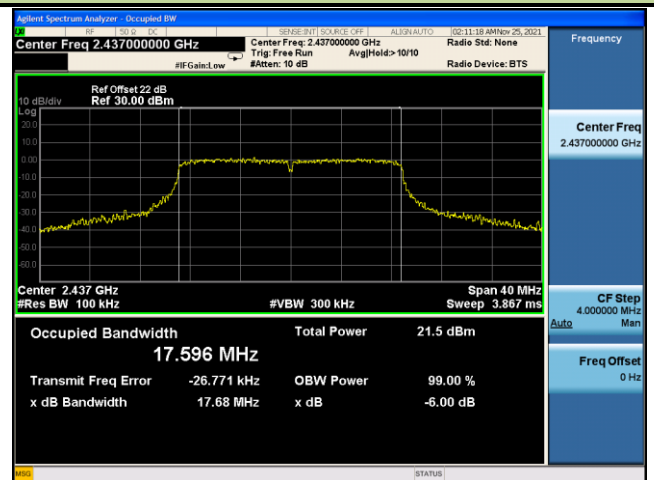
802.11 g CH11 (2462MHz) Ant 0



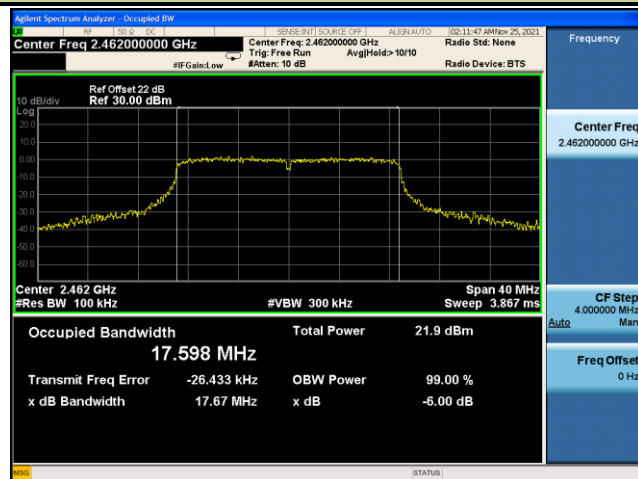
802.11 n-20M CH01 (2412MHz) Ant 0



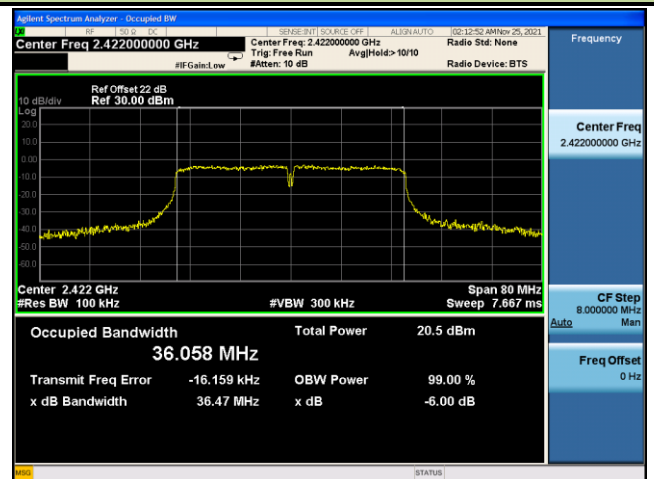
802.11 n-20M CH06 (2437MHz) Ant 0



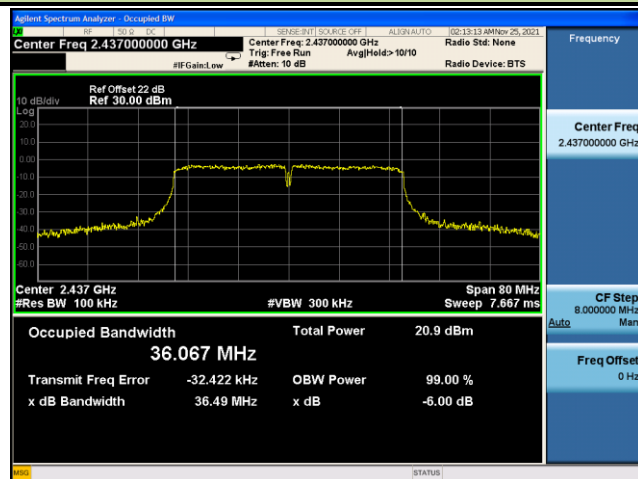
802.11 n-20M CH11 (2462MHz) Ant 0



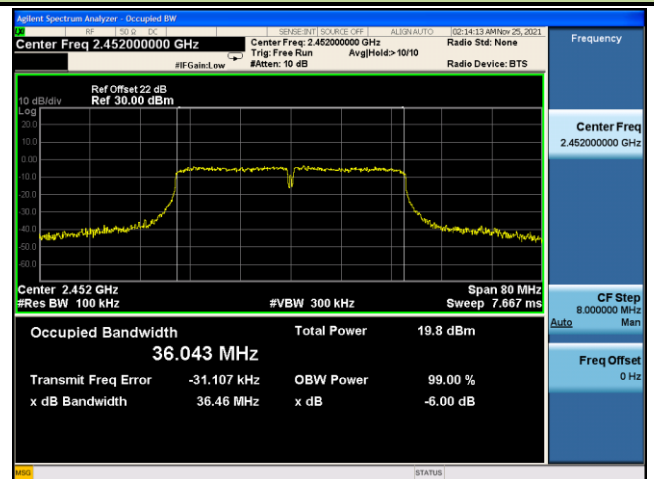
802.11 n-40M CH03 (2422MHz) Ant 0



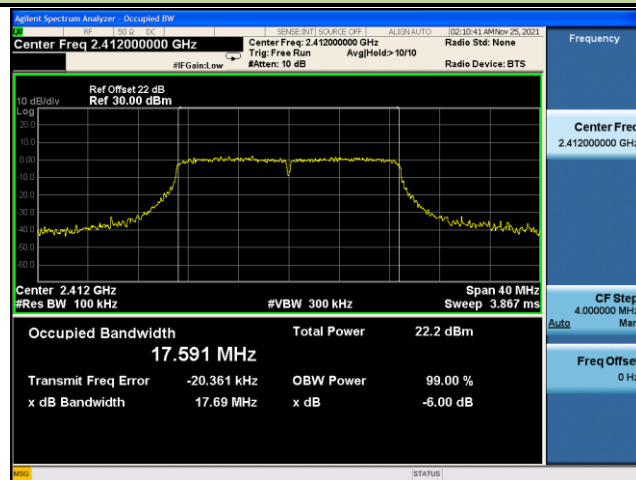
802.11 n-40M CH 06 (2437MHz) Ant 0



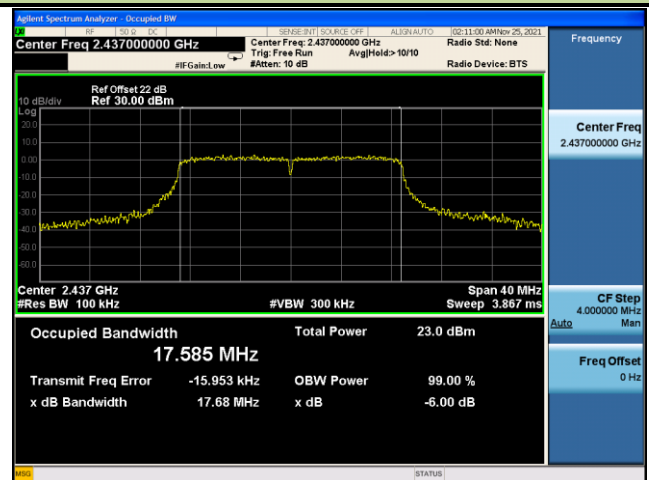
802.11 n-40M CH 09 (2452MHz) Ant 0



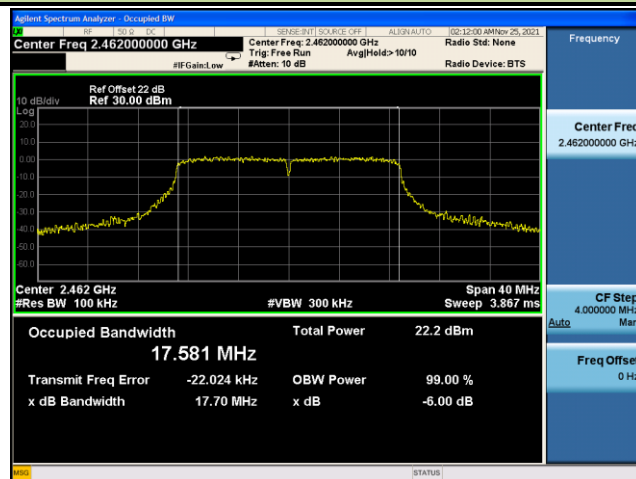
802.11 n-20M CH01 (2412MHz) Ant 1



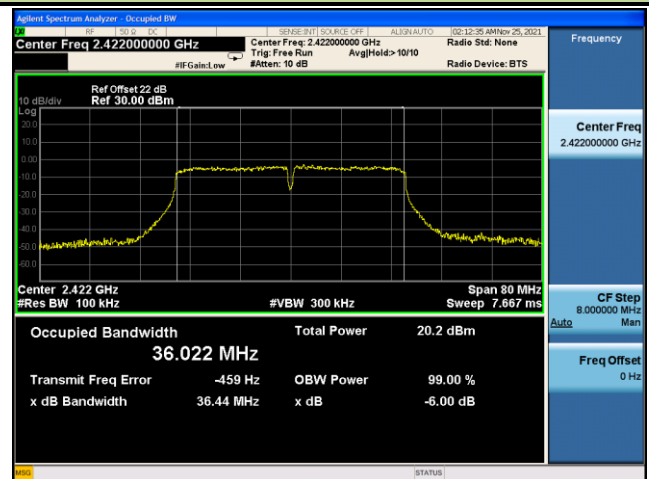
802.11 n-20M CH06 (2437MHz) Ant 1



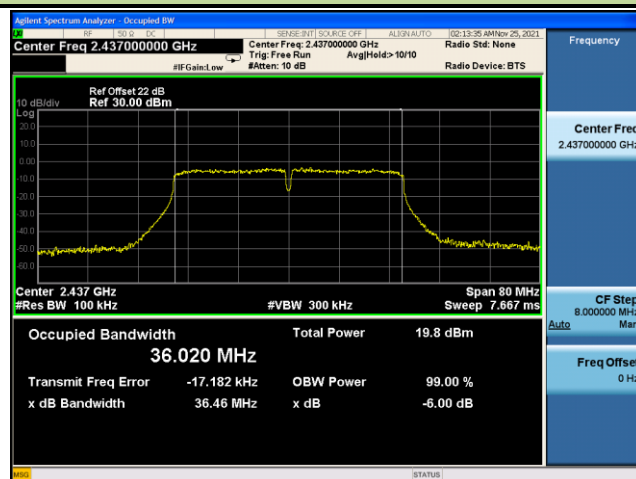
802.11 n-20M CH11 (2462MHz) Ant 1



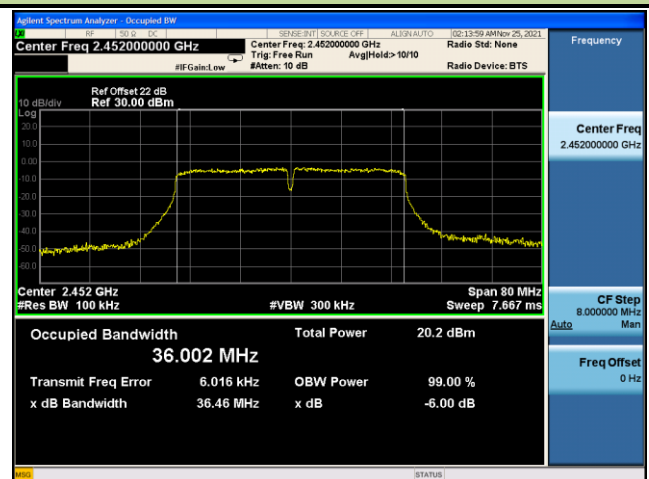
802.11 n-40M CH03 (2422MHz) Ant 1



802.11 n-40M CH 06 (2437MHz) Ant 1



802.11 n-40M CH 09 (2452MHz) Ant 1



5.8. 功率頻譜密度

5.8.1 量測方法

將發射機之天線埠經由適當之衰減直接連至測試儀器。找出發射峰值並擴展於通帶內，設定解析頻寬為3 kHz，視訊頻寬大於解析頻寬，掃描時間為頻率掃描範圍除以3 kHz。所測得之峰值位準必須應小於或等於8 dBm。

若受測裝置之頻譜線間隔小於3 kHz，測量時應將解析頻寬降低以使頻譜線間隔大於3kHz，所測得之數據再藉加總3 kHz 頻帶內所有個別頻譜線之功率(即標準化至3 kHz)以決定是否符合規定。

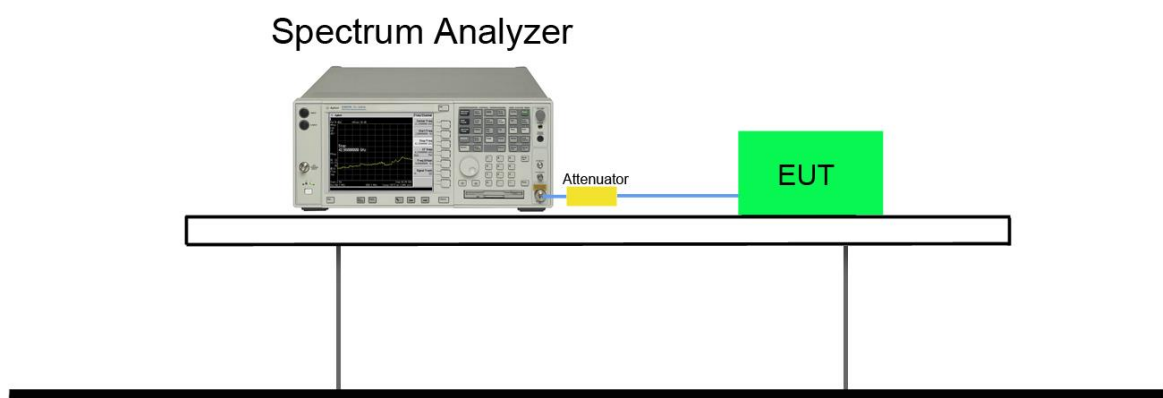
5.8.2 限制要求

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。

若用於非固定式點對點操作時，若其發射天線之方向性增益超過6dBi，應依所超過之dB數等量降低峰值輸出功率。如用於固定式點對點(註)操作時，應符合下列情形之一：

- (1)操作於2400-2483.5兆赫(MHz)者，其發射天線之方向性增益超過6dBi，應於每超過3dB降低1dB之峰值輸出功率。
- (2) 操作於5725-5850兆赫(MHz)者，其發射天線之方向性增益超過6dBi，不需降低峰值輸出功率。

5.8.3 測試架構圖



5.8.4 功率頻譜密度測試結果

Test Mode	Channel No.	Freq. (MHz)	Ant 0 PSD (dBm/ 3kHz)	Ant 1 PSD (dBm/ 3kHz)	Total PSD (dBm/ 3kHz)	Limit (dBm/ 3kHz)	Result
802.11b_SISO	01	2412	-12.875	N/A	-12.875	≤ 7.99	Pass
802.11b_SISO	06	2437	-12.423		-12.423	≤ 7.99	Pass
802.11b_SISO	11	2462	-12.749		-12.749	≤ 7.99	Pass
802.11g_SISO	01	2412	-16.697		-16.697	≤ 7.99	Pass
802.11g_SISO	06	2437	-16.139		-16.139	≤ 7.99	Pass
802.11g_SISO	11	2462	-15.691		-15.691	≤ 7.99	Pass
802.11n-HT20_MIMO	01	2412	-17.738	-18.113	-14.911	≤ 7.99	Pass
802.11n-HT20_MIMO	06	2437	-15.554	-14.821	-12.162	≤ 7.99	Pass
802.11n-HT20_MIMO	11	2462	-18.722	-18.060	-15.368	≤ 7.99	Pass
802.11n-HT40_MIMO	03	2422	-22.174	-23.921	-19.950	≤ 7.99	Pass
802.11n-HT40_MIMO	06	2437	-20.689	-21.680	-18.146	≤ 7.99	Pass
802.11n-HT40_MIMO	09	2452	-23.010	-23.598	-20.284	≤ 7.99	Pass

Note 1: Total Peak PSD = $10 \cdot \log \{10^{(\text{Ant 0 AVGPSD}/10)} + 10^{(\text{Ant 1 AVGPSD}/10)}\}$.

802.11 b CH01 (2412MHz) Ant 0



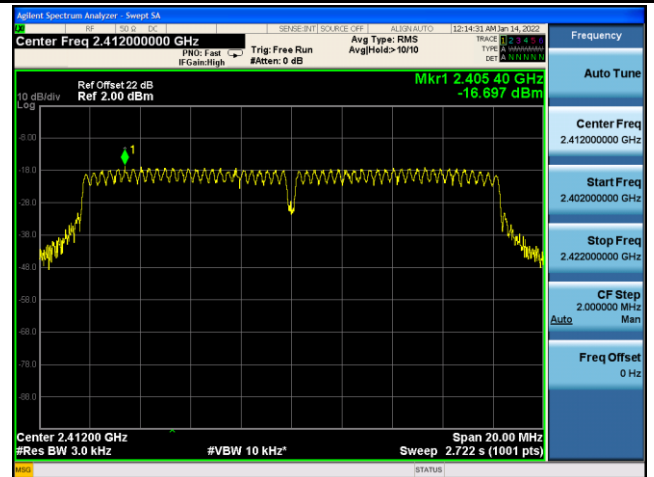
802.11 b CH06 (2437MHz) Ant 0



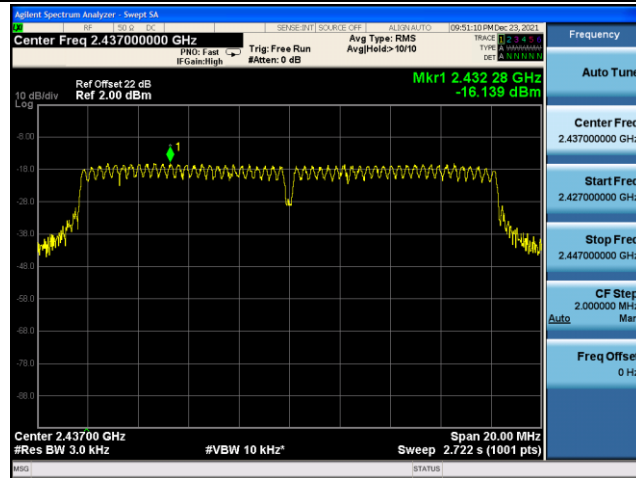
802.11 b CH11 (2462MHz) Ant 0



802.11 g CH01 (2412MHz) Ant 0



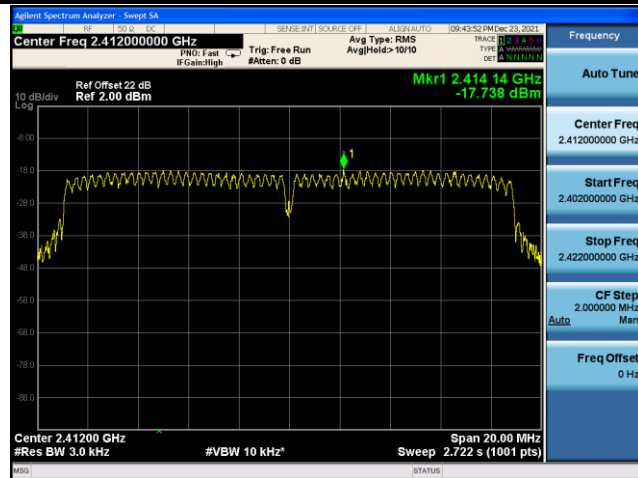
802.11 g CH06 (2437MHz) Ant 0



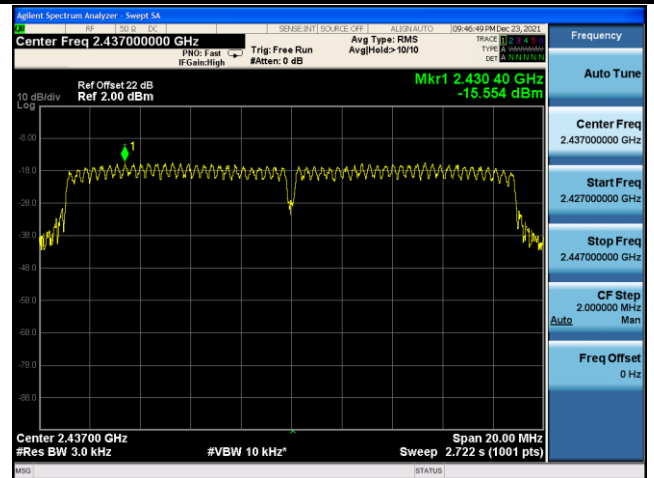
802.11 g CH11 (2462MHz) Ant 0



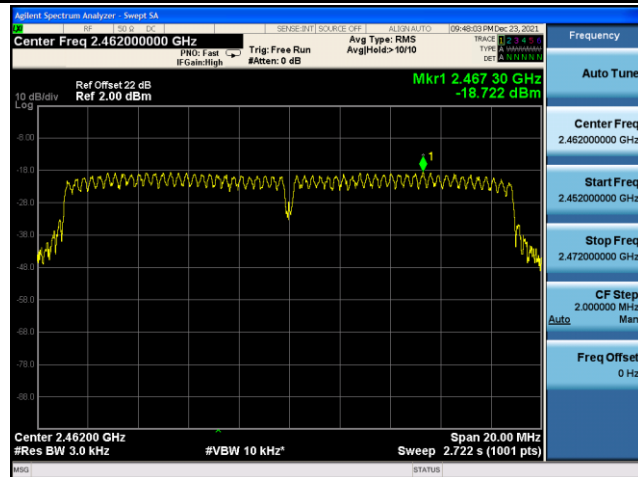
802.11 n-20M CH01 (2412MHz) Ant 0



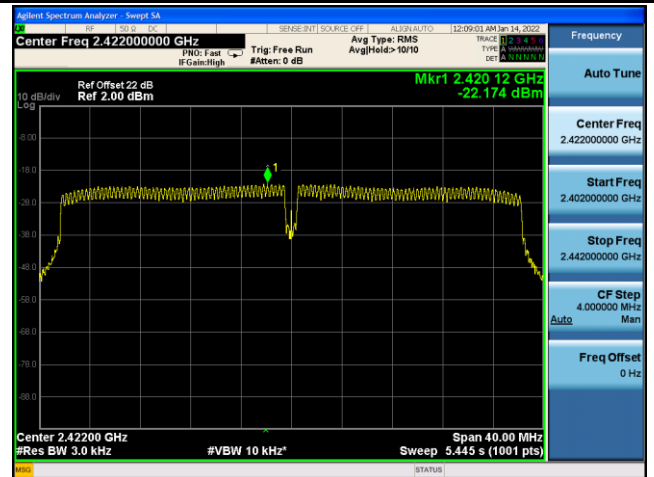
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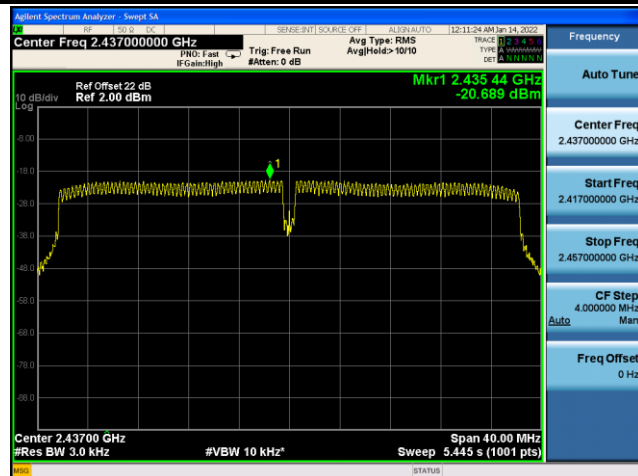
802.11 n-20M CH11 (2462MHz) Ant 0



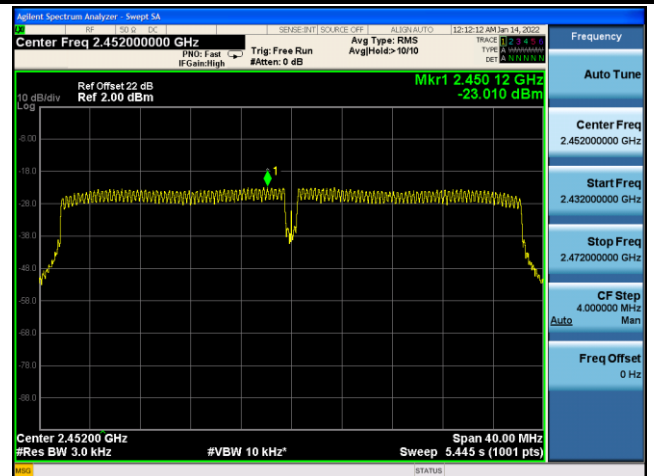
802.11 n-40M CH03 (2422MHz) Ant 0



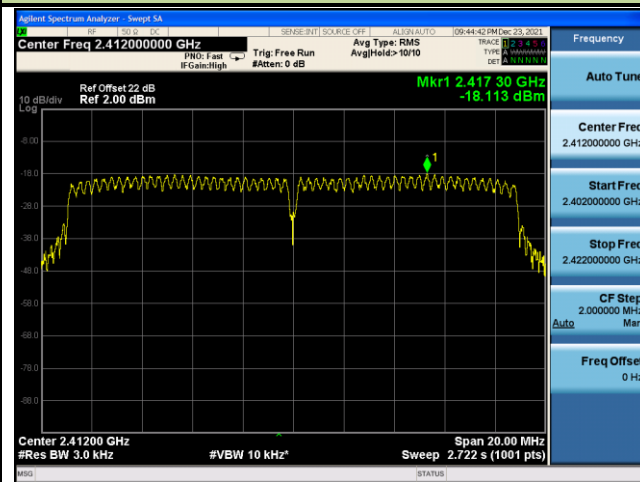
802.11 n-40M CH 06 (2437MHz) Ant 0



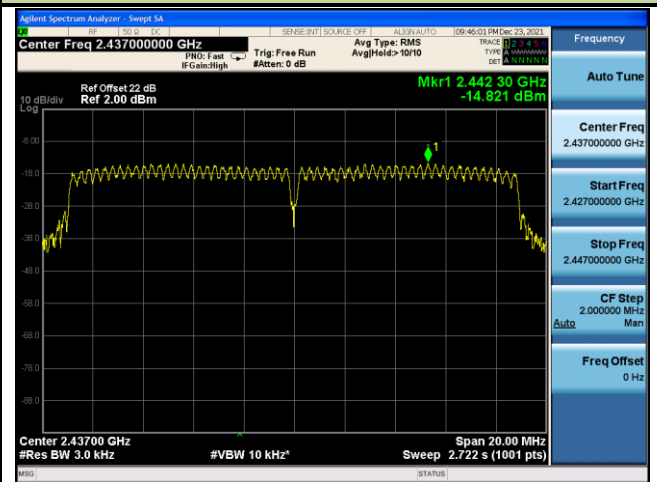
802.11 n-40M CH 09 (2452MHz) Ant 0



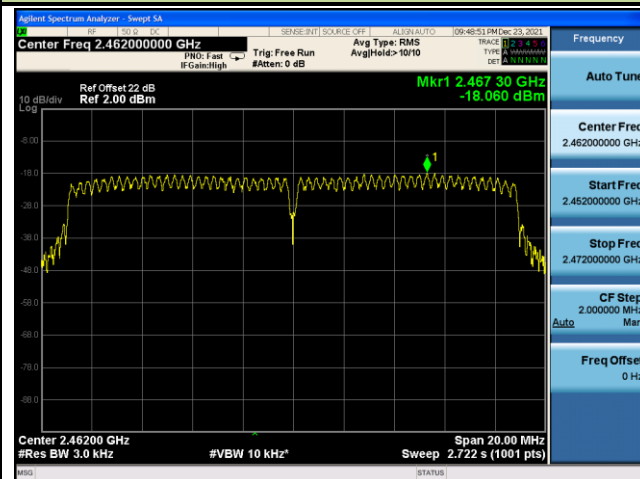
802.11 n-20M CH01 (2412MHz) Ant 1



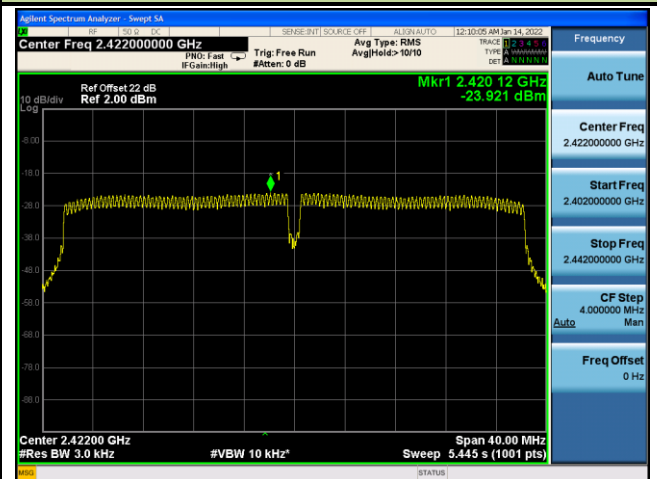
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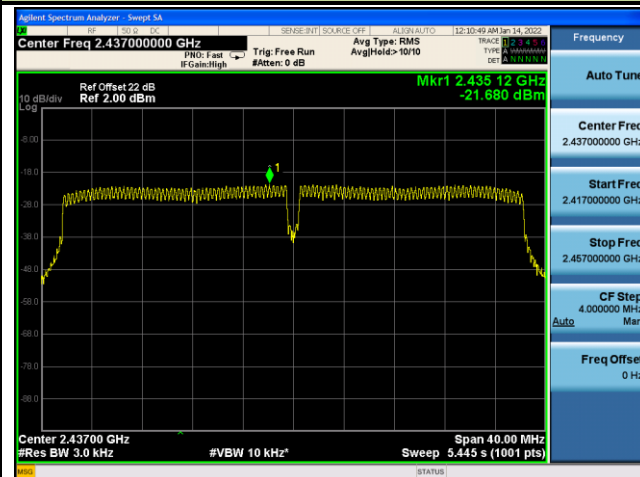
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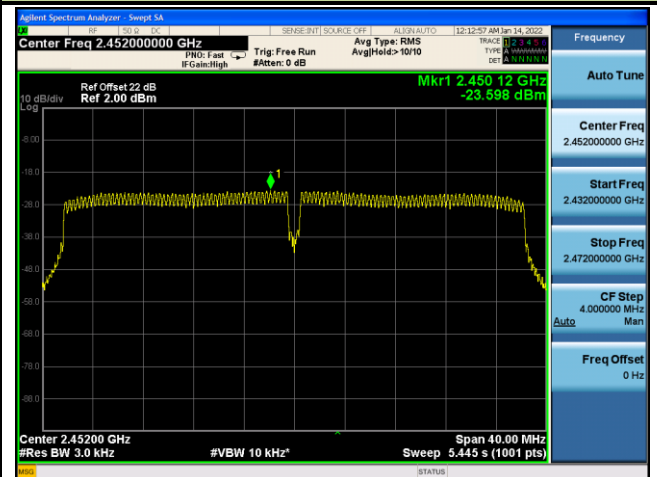
802.11 n-40M CH03 (2422MHz) Ant 1



802.11 n-40M CH 06 (2437MHz) Ant 1



802.11 n-40M CH 09 (2452MHz) Ant 1



The End