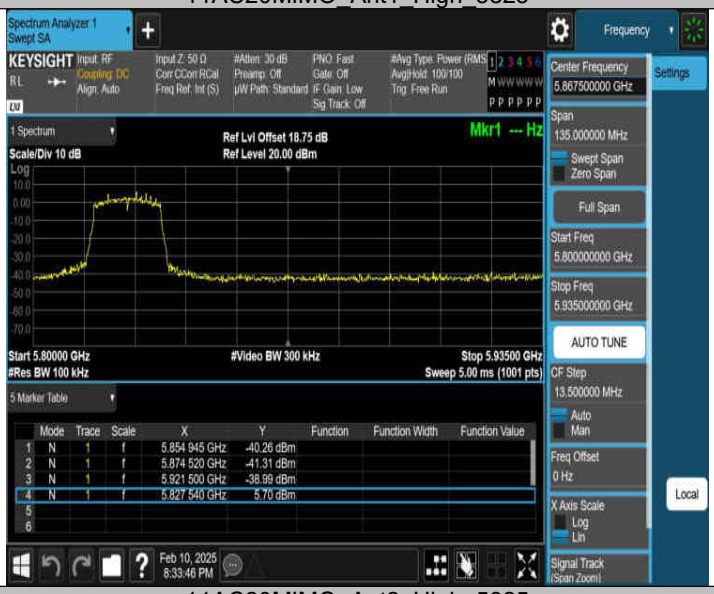
11AC20MIMO_Ant1_High_5825



11AC20MIMO_Ant2_High_5825

11AC40MIMO_Ant1_Low_5755

11AC40MIMO_Ant2_Low_5755

11AC40MIMO_Ant1_High_5795

11AC40MIMO_Ant2_High_5795

11AC80MIMO_Ant1_Low_5775

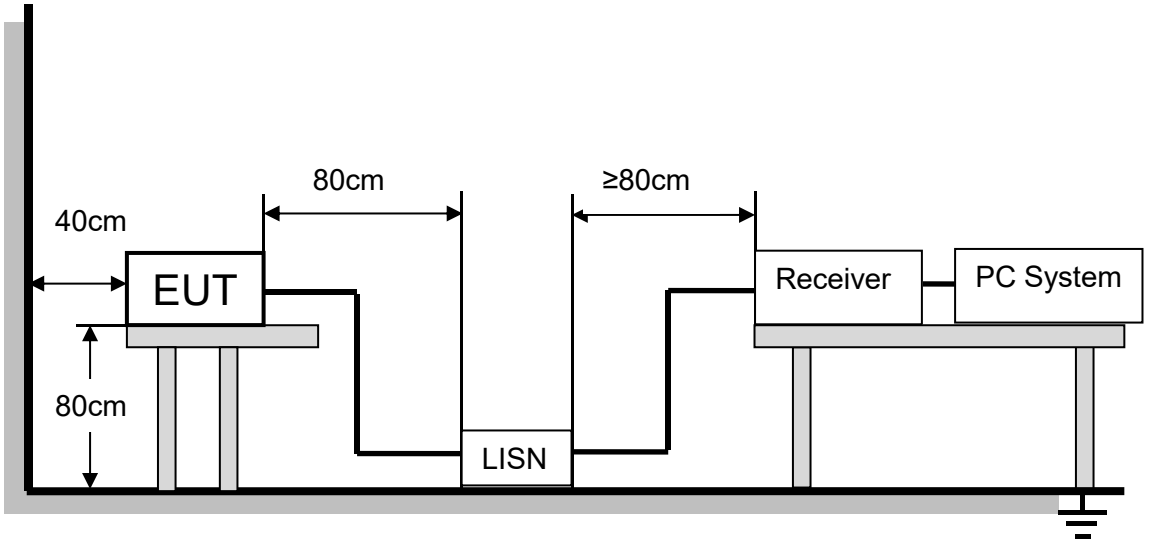
11AC80MIMO_Ant1_High_5775

11AC80MIMO_Ant2_Low_5775

11AC80MIMO_Ant2_High_5775

14. AC Power Line Conducted Emissions

14.1. Block Diagram of Test Setup



The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through an Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

14.2. Limits

Please refer to CFR 47 FCC §15.207 (a) and ISED RSS-Gen Clause 8.8.

Frequency (MHz)	Quasi-peak	Average
0.15 -0.5	66 - 56 *	56 - 46 *
0.50 -5.0	56.00	46.00
5.0 -30.0	60.00	50.00

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

14.3. Test Procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

Configuration EUT to simulate typical usage as described in clause 2.4 and test equipment as described in clause 10.2 of this report.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

The test mode(s) described in clause 2.4 were scanned during the preliminary test.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

14.4. Test result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

14.5. Original Test Data

AC Power Line Conducted Emission Test Data Refer to appendix C.

15. Dynamic Frequency Selection

15.1. Applicability of DFS Requirements

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.

Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	☐Master	☒Client Without Radar Detection	☐Client with Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	☐Master Device or Client with Radar Detection	☒Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	☐Master Device or Client with Radar Detection	☒Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

15.2. Limit

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the	

test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KdB Publication 662911 D01.

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

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

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

15.3. Parameters of Radar Test Waveform

This section provides the parameters for required test waveforms, minimum percentage of successful detection, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (μsec)	PRI (μsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A	$\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot10^6}{\text{PRI}_{\mu\text{sec}}}\right)\right\}$	60%	30
		Test B			
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a

Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with

Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4

15.4. Calibration of Radar Waveform

Radar Waveform Calibration Procedure:

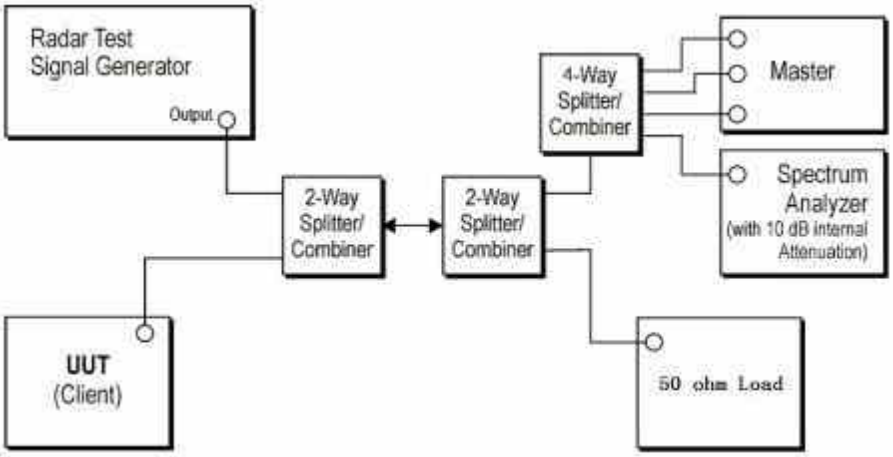
A 50 ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master

The interference Radar Detection Threshold Level is -62dBm + 0dBi +1dB = -61dBm that had been taken into account the output power range and antenna gain.

The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3 MHz. The spectrum analyzer had offset -1.0dB to compensate RF cable loss 1.0dB.

The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was - -62dBm + 0dBi +1dB = -61dBm. Capture the spectrum analyzer plots on short pulse radar waveform.

Conducted Calibration Setup:



Note: 1. Use the software "Web" to set the frequency channel.

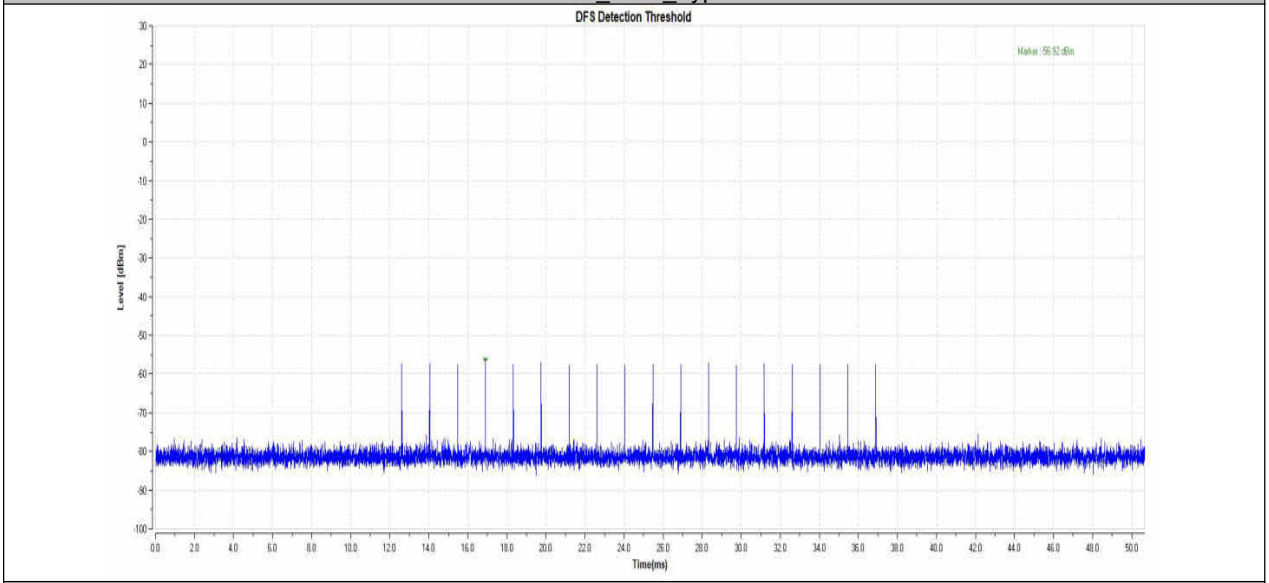
2. EUT is not support TPC and not with Radar detection.

Radar Waveform Calibration Result:

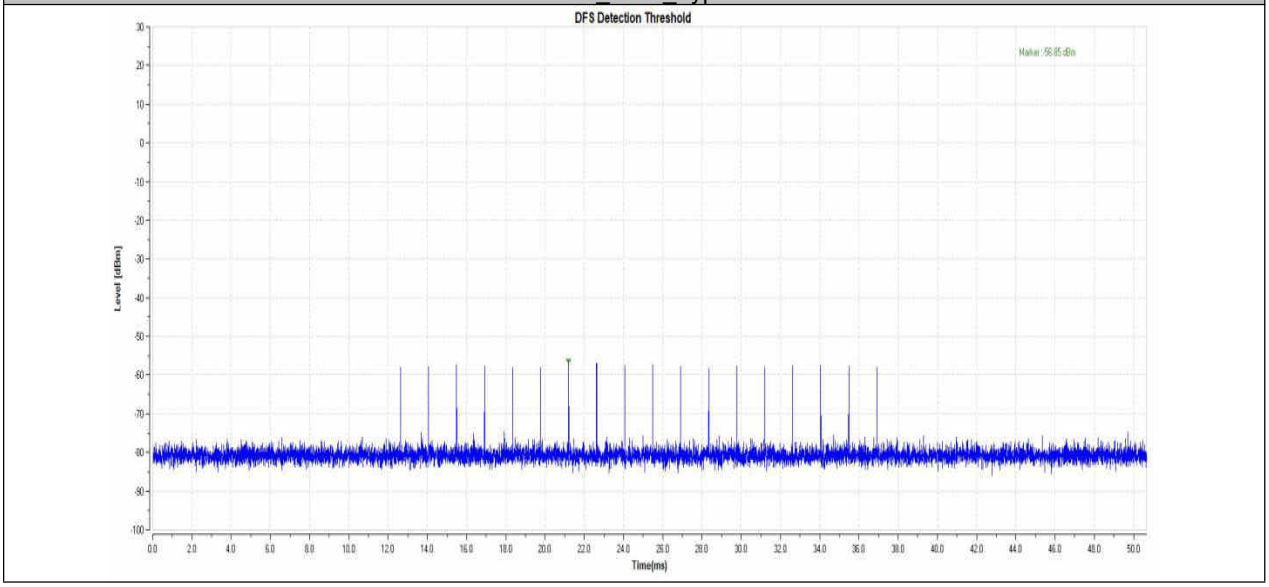
Radar Type 0

Test Mode	Frequency (dbm)	Radar Type	Result	Limit (dbm)	Verdict
11N40	5310	Type0	-56.92	-56.65	PASS
	5510	Type0	-56.85	-56.65	PASS

11N40_5270_Type0



11N40_5510_Type0



15.5. Channel Closing Transmission Time, Channel Move Time and Non-Occupancy Period

Block diagram of test setup Test Procedure:

The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Test Software in order to properly load the network for the entire period of the test.

When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

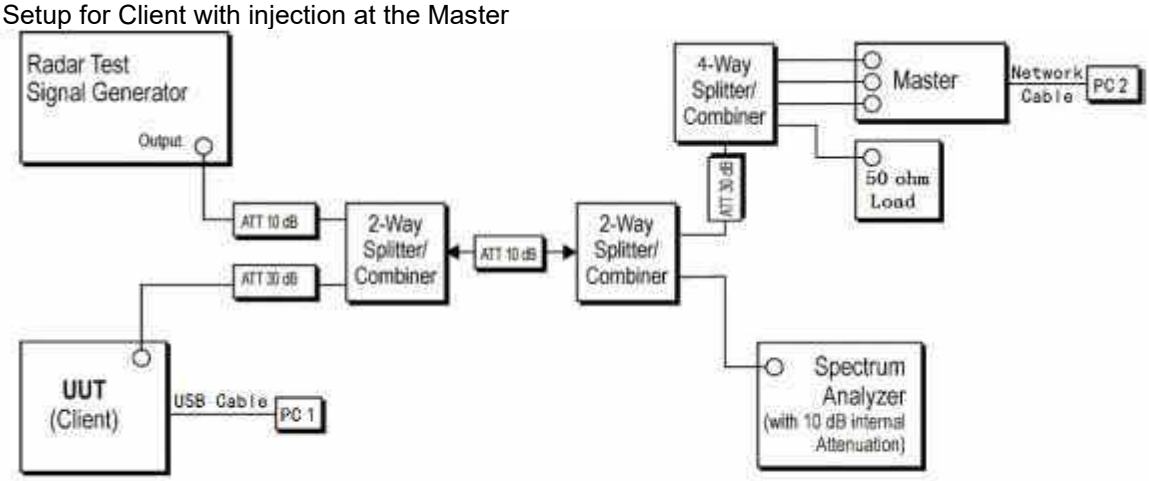
Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

15.6. Test Setup

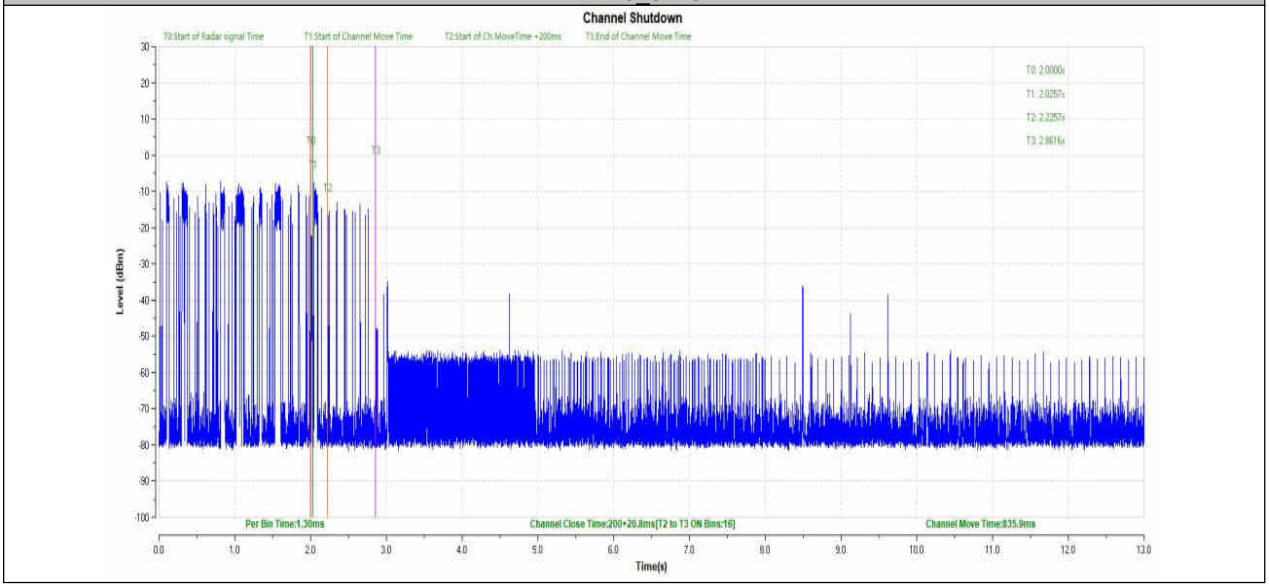
Setup for Client with injection at the Master

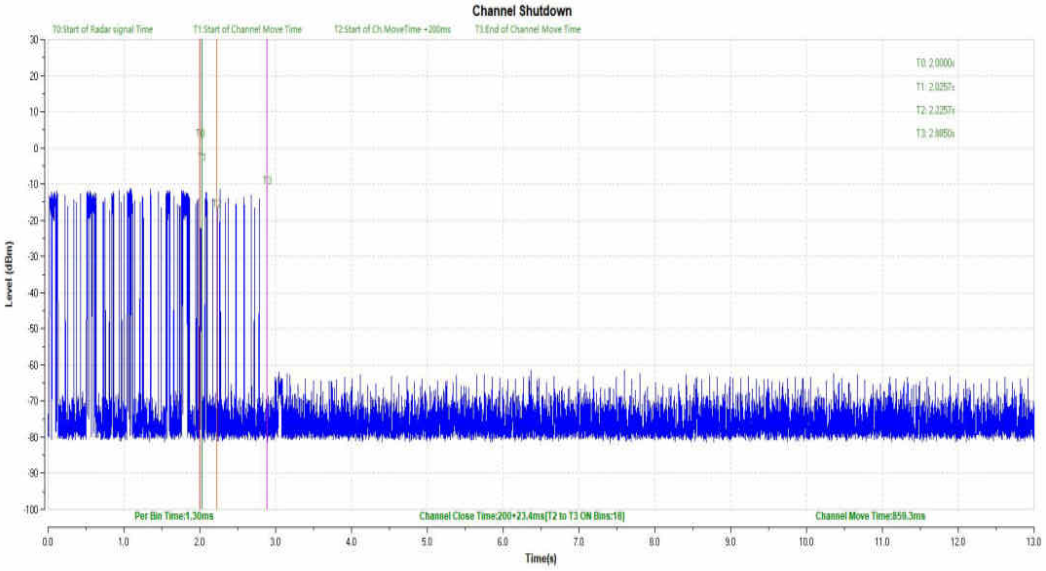


15.7. Test Result

BW/Channel	Test Item	Test Result	Limit	Results
40M/5310MHz	Channel Move Time	0.836	＜10s	pass
	Channel Closing Transmission Time	0.221	＜0.26s	pass
40M/5510MHz	Channel Move Time	0.860	＜10s	pass
	Channel Closing Transmission Time	0.223	＜0.26s	pass

11N40_5270



11N40_5510


Channel Shutdown
T0:Start of Radar signal Time
T1:Start of Channel Move Time
T2:Start of Ch.MoveTime +200ms
T3:End of Channel Move Time
Level (dBm)
Per Bin Time:1.30ms
Channel Close Time:200+23.4ms[T2 to T3 ON Bins:18]
Channel Move Time:858.3ms
Time(s)

16. Antenna Requirements

16.1. Applicable Requirements

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

16.2. Result

The device support 2T2R MIMO, the antennas both used for this product are dedicated PCB antennas and other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 3.74 dBi for antenna 1, 5.35 dBi for antenna 2.

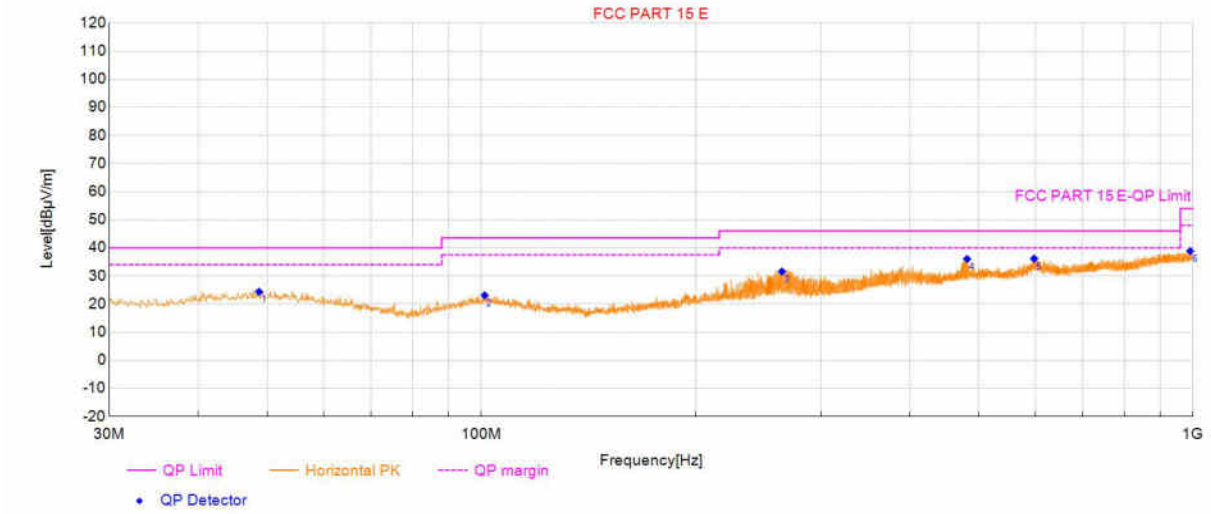
APPENDIX A – Radiated Emission Below 1GHz Test Data

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Customer:			
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5825	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 19:05:47

Test Graph



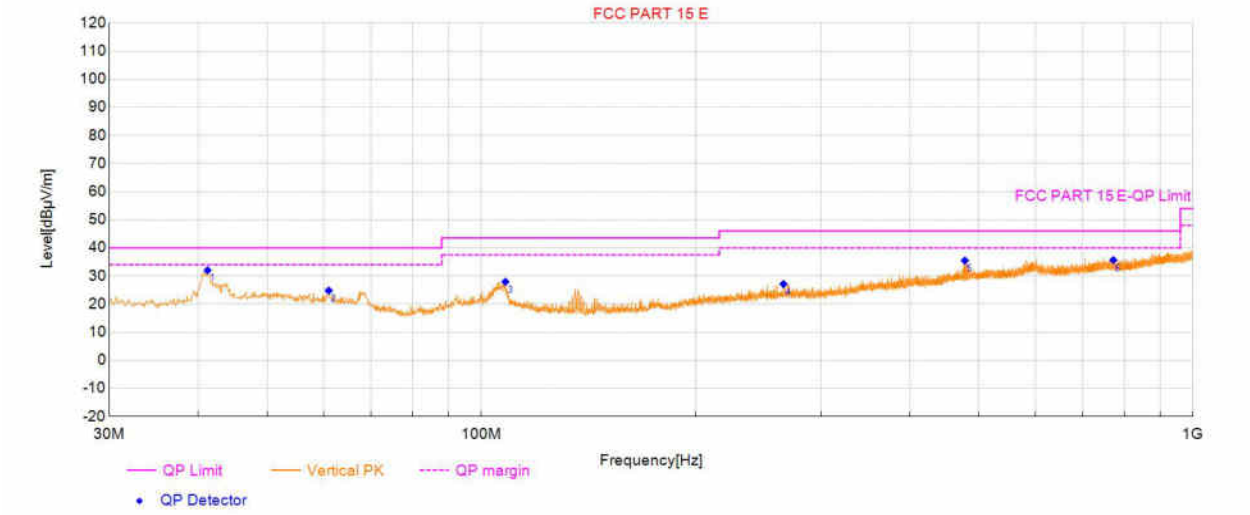
Final Data List								
NO.	Frequency (MHz)	QP Value (dBµV/m)	QP Limit (dBµV/m)	QP Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	48.7229	24.38	40.00	15.62	100	257	Horizontal	PASS
2	101.1081	23.10	43.50	20.40	100	93	Horizontal	PASS
3	264.4724	31.58	46.00	14.42	100	302	Horizontal	PASS
4	481.4831	36.05	46.00	9.95	100	0	Horizontal	PASS
5	597.9918	36.18	46.00	9.82	100	307	Horizontal	PASS
6	991.3661	38.85	54.00	15.15	100	218	Horizontal	PASS

Test Report

Project Information			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Customer:			
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5825	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 19:06:29

Test Graph



Final Data List								
NO.	Frequency (MHz)	QP Value (dBµV/m)	QP Limit (dBµV/m)	QP Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	41.2531	32.01	40.00	7.99	100	205	Vertical	PASS
2	61.0431	24.80	40.00	15.20	100	210	Vertical	PASS
3	108.0928	27.93	43.50	15.57	100	140	Vertical	PASS
4	265.8306	27.11	46.00	18.89	100	2	Vertical	PASS
5	477.7968	35.47	46.00	10.53	100	2	Vertical	PASS
6	772.7063	35.66	46.00	10.34	100	166	Vertical	PASS

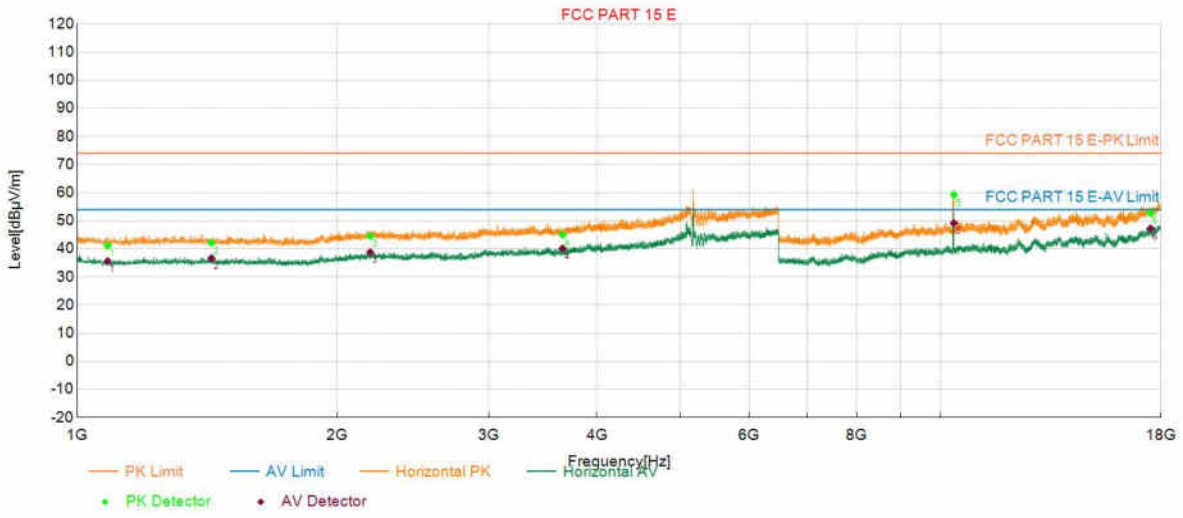
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5180	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 09:46:20

Test Graph



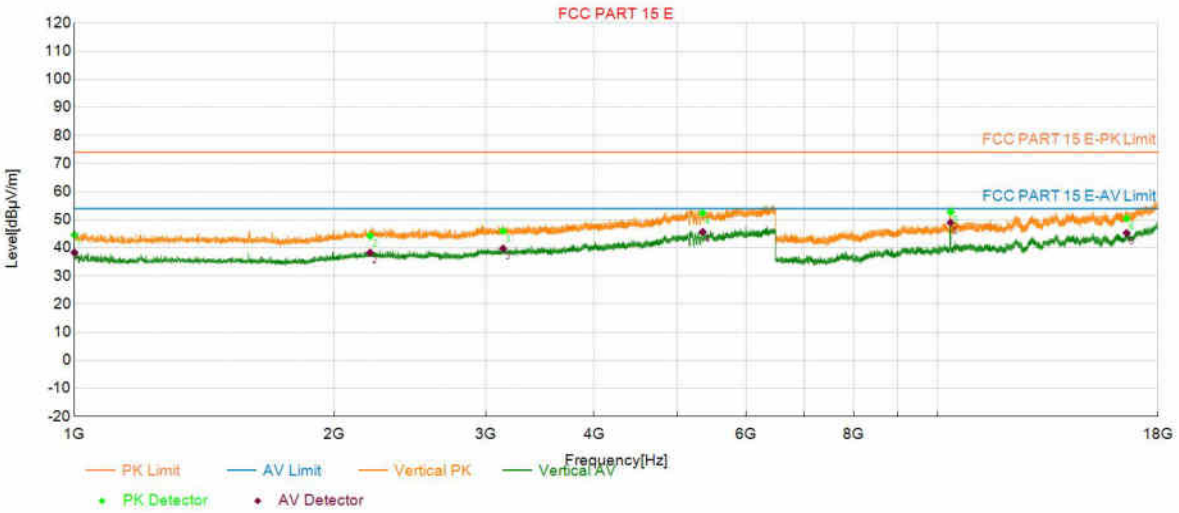
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1084.7085	41.10	74.00	32.90	35.65	54.00	18.35	150	6	Horizontal
2	1430.6931	42.21	74.00	31.79	36.69	54.00	17.31	150	10	Horizontal
3	2184.8185	44.58	74.00	29.42	38.82	54.00	15.18	150	38	Horizontal
4	3649.0649	44.99	74.00	29.01	40.15	54.00	13.85	150	331	Horizontal
5	10360.4214	59.23	74.00	14.77	49.15	54.00	4.85	134.6	136.4	Horizontal
6	17500.8501	52.75	74.00	21.25	47.25	54.00	6.75	150	277	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5180	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 09:47:46

Test Graph



PK Final Data List

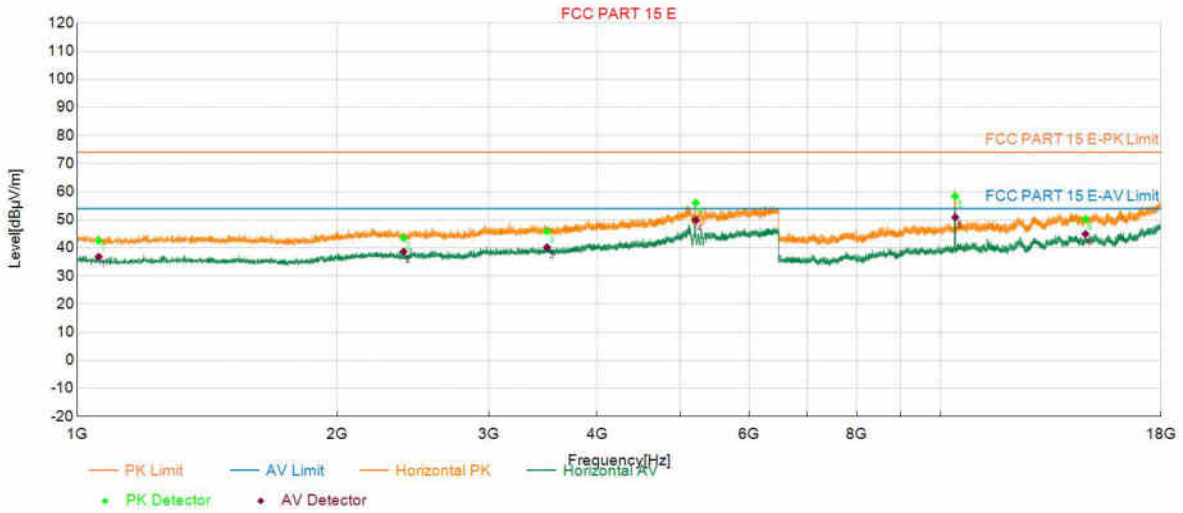
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1000.5501	44.62	74.00	29.38	38.32	54.00	15.68	150	63	Vertical
2	2202.4202	44.28	74.00	29.72	38.31	54.00	15.69	150	135	Vertical
3	3139.1639	46.03	74.00	27.97	39.75	54.00	14.25	150	207	Vertical
4	5344.8845	52.35	74.00	21.65	45.66	54.00	8.34	150	343	Vertical
5	10354.0354	52.76	74.00	21.24	48.98	54.00	5.02	150	204	Vertical
6	16554.3054	50.44	74.00	23.56	45.29	54.00	8.71	150	269	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5200	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 09:54:37

Test Graph



PK Final Data List

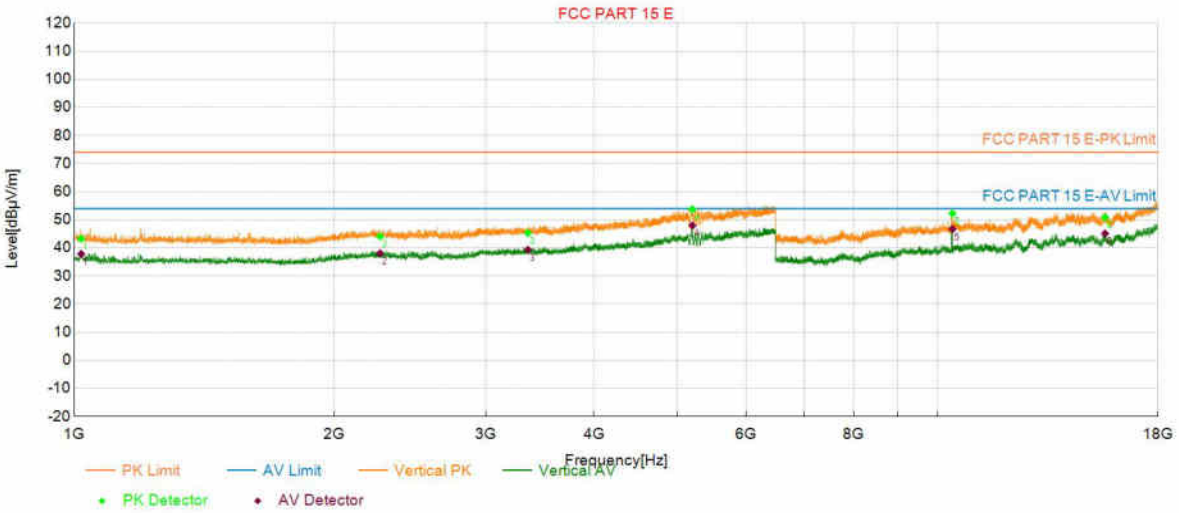
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1059.4059	42.59	74.00	31.41	36.83	54.00	17.17	150	156	Horizontal
2	2388.3388	43.52	74.00	30.48	38.67	54.00	15.33	150	162	Horizontal
3	3501.1001	45.88	74.00	28.12	40.19	54.00	13.81	150	156	Horizontal
4	5204.0704	56.04	74.00	17.96	49.88	54.00	4.12	150	118	Horizontal
5	10399.2142	58.35	74.00	15.65	50.85	54.00	3.15	134.6	135.6	Horizontal
6	14711.8212	50.25	74.00	23.75	44.93	54.00	9.07	150	228	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5200	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 09:56:04

Test Graph



PK Final Data List

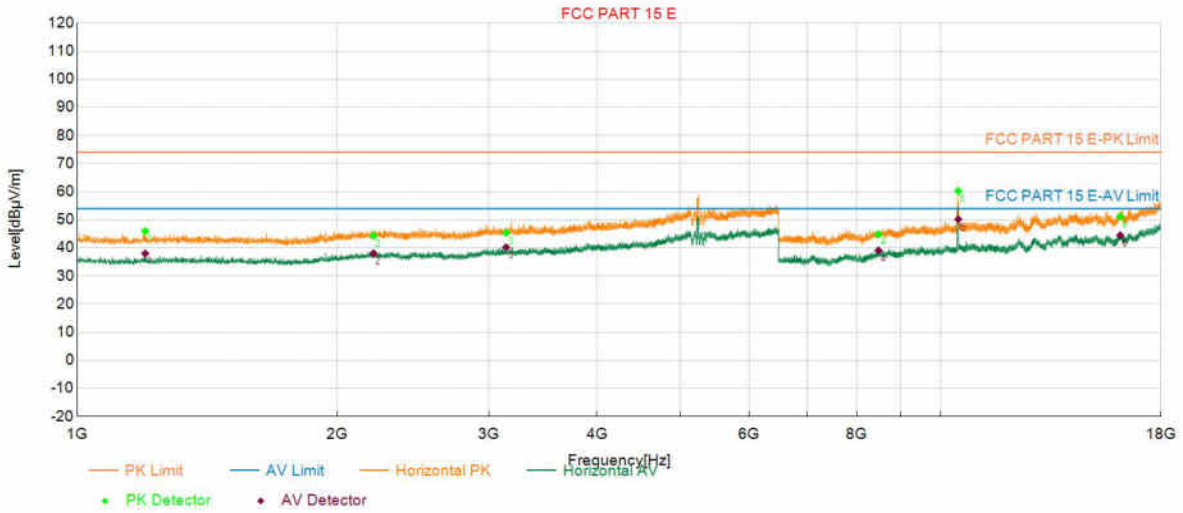
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1018.7019	43.23	74.00	30.77	37.82	54.00	16.18	150	67	Vertical
2	2261.2761	44.10	74.00	29.90	38.06	54.00	15.94	150	121	Vertical
3	3354.2354	45.30	74.00	28.70	39.31	54.00	14.69	150	56	Vertical
4	5199.1199	53.72	74.00	20.28	47.90	54.00	6.10	150	268	Vertical
5	10403.4903	52.21	74.00	21.79	46.73	54.00	7.27	150	149	Vertical
6	15629.6130	50.88	74.00	23.12	45.08	54.00	8.92	150	301	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5240	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:05:08

Test Graph



PK Final Data List

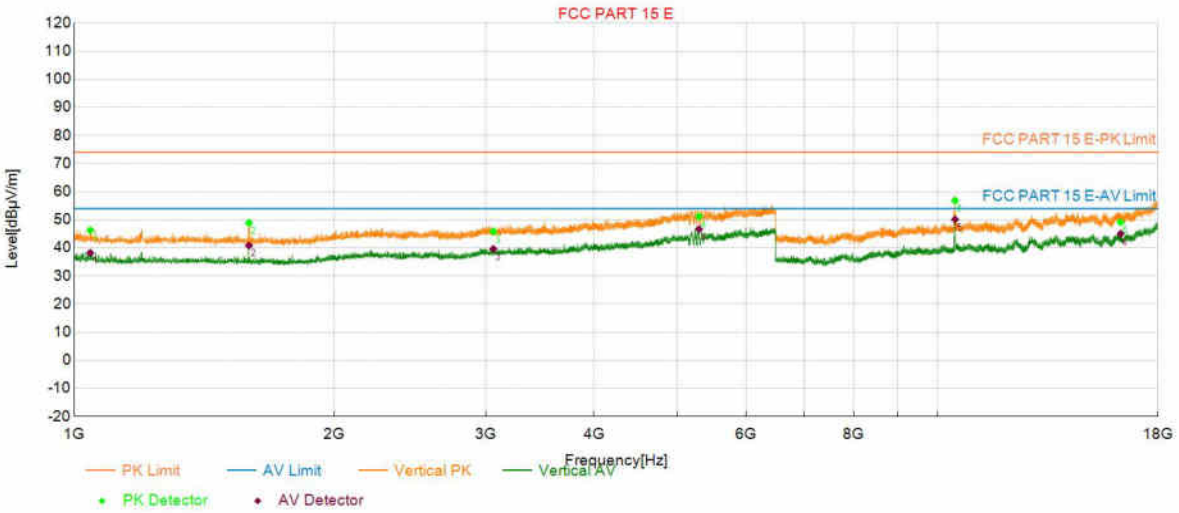
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1199.1199	45.96	74.00	28.04	37.98	54.00	16.02	150	181	Horizontal
2	2204.6205	44.32	74.00	29.68	38.02	54.00	15.98	150	58	Horizontal
3	3139.1639	45.34	74.00	28.66	40.18	54.00	13.82	150	88	Horizontal
4	8475.8976	44.81	74.00	29.19	39.05	54.00	14.95	150	38	Horizontal
5	10480.5481	60.22	74.00	13.78	50.14	54.00	3.86	150	98	Horizontal
6	16143.7144	51.11	74.00	22.89	44.45	54.00	9.55	150	15	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5240	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:06:34

Test Graph



PK Final Data List

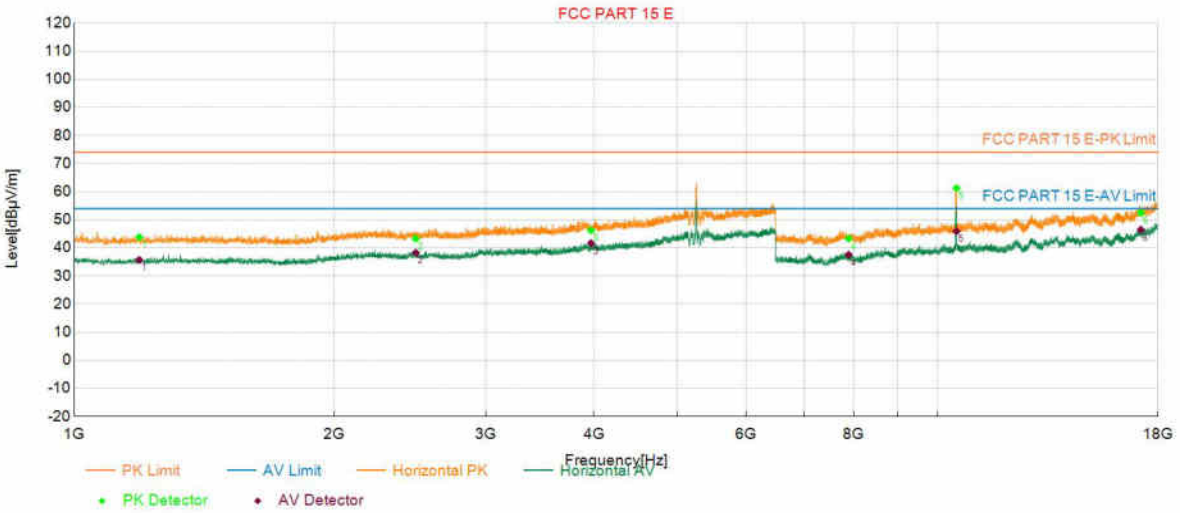
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1044.0044	46.27	74.00	27.73	38.20	54.00	15.80	150	64	Vertical
2	1594.0594	48.89	74.00	25.11	40.81	54.00	13.19	150	129	Vertical
3	3058.3058	45.85	74.00	28.15	39.62	54.00	14.38	150	254	Vertical
4	5292.0792	51.20	74.00	22.80	46.66	54.00	7.34	150	277	Vertical
5	10474.7975	56.85	74.00	17.15	50.12	54.00	3.88	150	172	Vertical
6	16290.9291	49.12	74.00	24.88	45.00	54.00	9.00	150	66	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5260	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:11:37

Test Graph



PK Final Data List

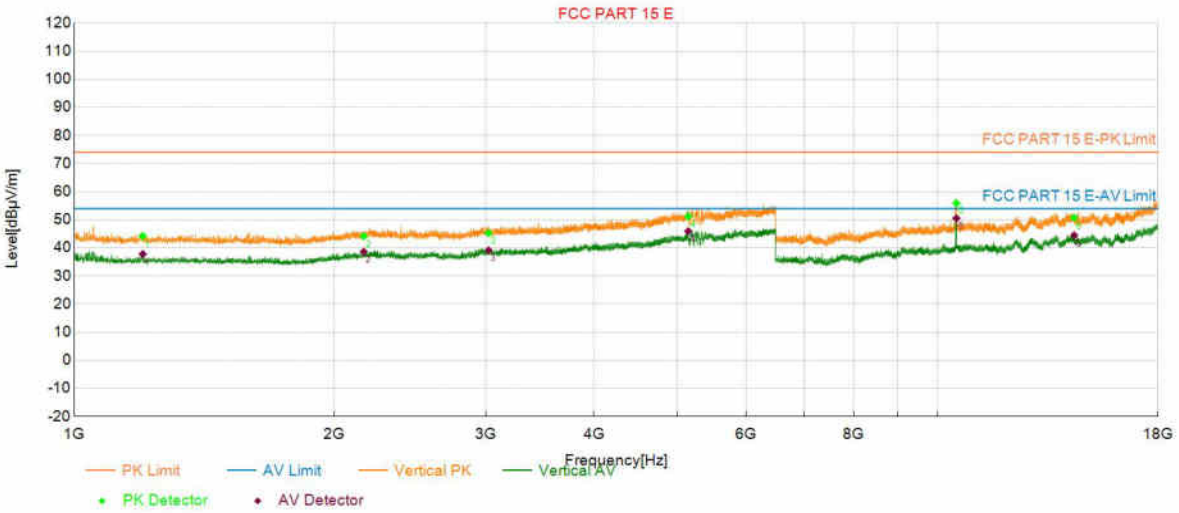
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1189.7690	43.79	74.00	30.21	35.70	54.00	18.30	150	360	Horizontal
2	2486.7987	43.27	74.00	30.73	38.24	54.00	15.76	150	23	Horizontal
3	3968.0968	46.24	74.00	27.76	41.63	54.00	12.37	150	234	Horizontal
4	7889.3389	43.30	74.00	30.70	37.55	54.00	16.45	150	283	Horizontal
5	10518.5019	61.26	74.00	12.74	45.91	54.00	8.09	150	127	Horizontal
6	17191.4691	52.49	74.00	21.51	46.46	54.00	7.54	150	352	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5260	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:13:03

Test Graph



PK Final Data List

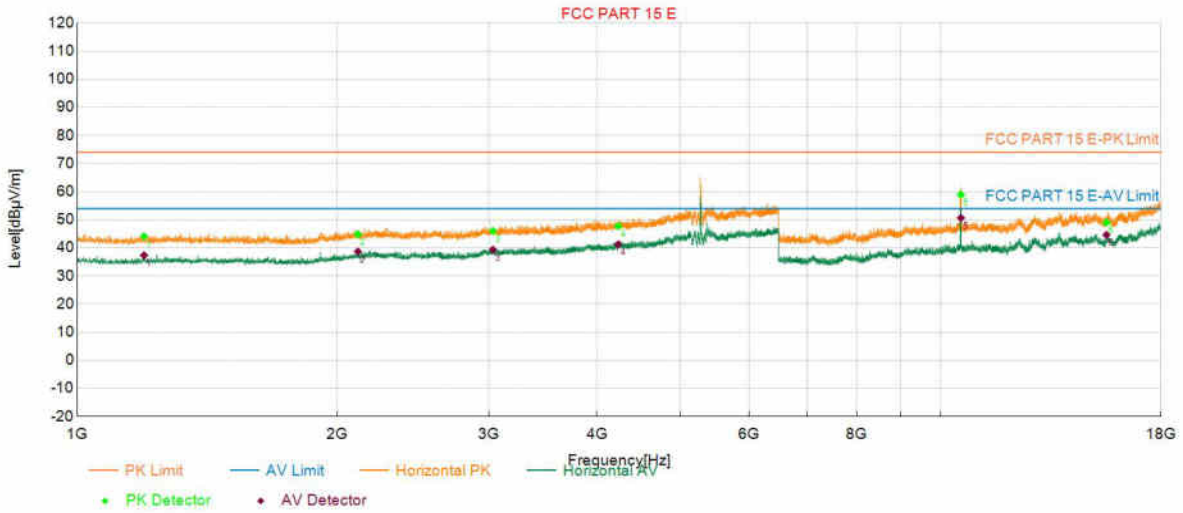
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1200.7701	44.19	74.00	29.81	37.79	54.00	16.21	150	75	Vertical
2	2164.4664	44.19	74.00	29.81	38.58	54.00	15.42	150	67	Vertical
3	3019.2519	45.23	74.00	28.77	39.15	54.00	14.85	150	316	Vertical
4	5143.5644	51.20	74.00	22.80	45.92	54.00	8.08	150	133	Vertical
5	10513.9014	55.86	74.00	18.14	50.48	54.00	3.52	150	184	Vertical
6	14390.9391	50.72	74.00	23.28	44.47	54.00	9.53	150	142	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5280	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:18:22

Test Graph



PK Final Data List

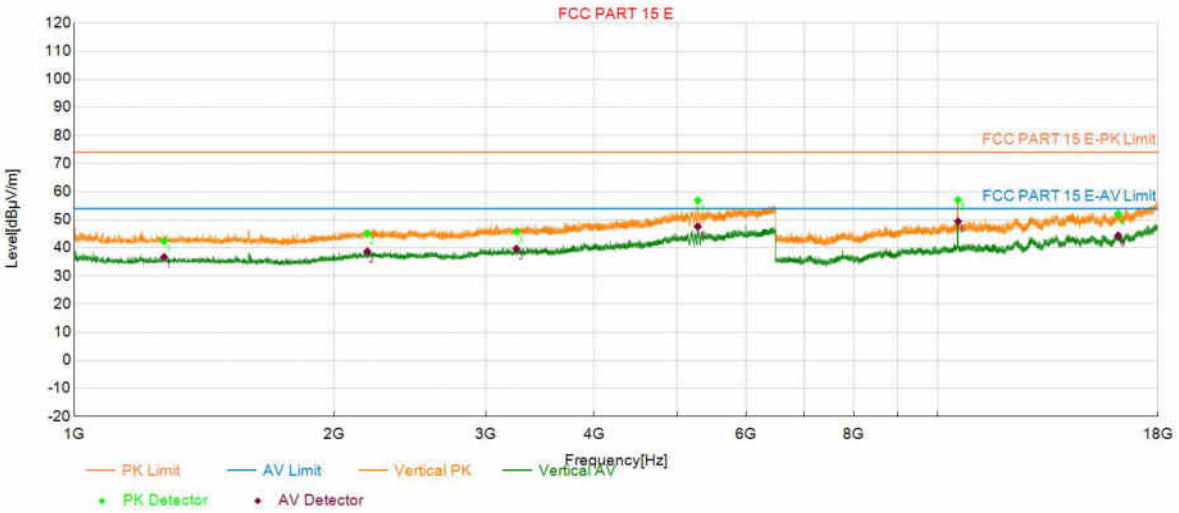
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1195.2695	44.12	74.00	29.88	37.34	54.00	16.66	150	358	Horizontal
2	2114.4114	44.85	74.00	29.15	38.69	54.00	15.31	150	214	Horizontal
3	3029.7030	46.03	74.00	27.97	39.34	54.00	14.66	150	178	Horizontal
4	4233.7734	47.69	74.00	26.31	41.24	54.00	12.76	150	88	Horizontal
5	10557.6058	58.91	74.00	15.09	50.67	54.00	3.33	150	132	Horizontal
6	15561.7562	49.04	74.00	24.96	44.61	54.00	9.39	150	6	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5280	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:19:49

Test Graph



PK Final Data List

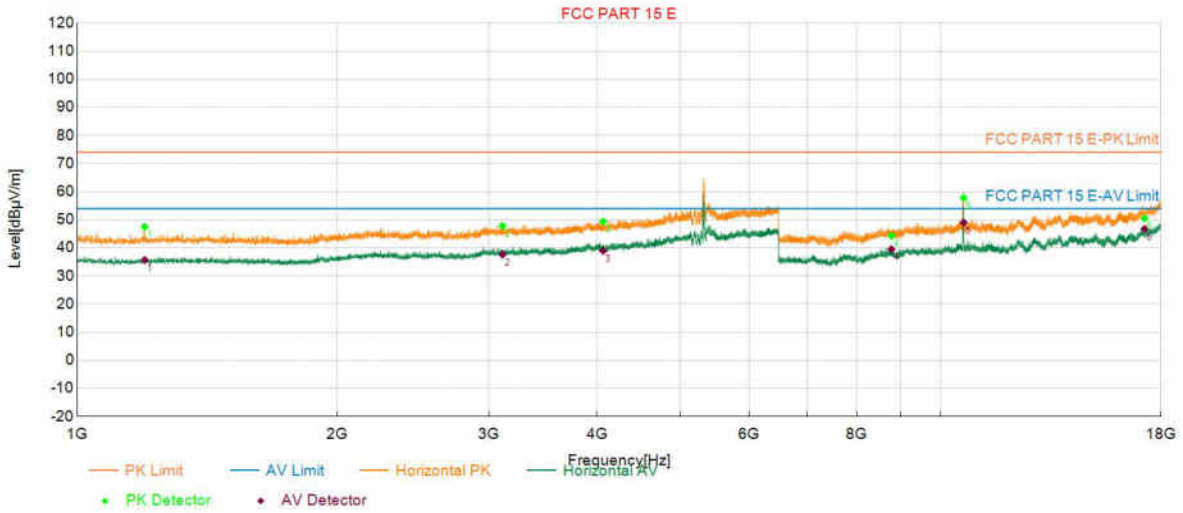
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1271.1771	42.35	74.00	31.65	36.73	54.00	17.27	150	64	Vertical
2	2185.3685	45.10	74.00	28.90	38.73	54.00	15.27	150	133	Vertical
3	3251.9252	45.76	74.00	28.24	39.70	54.00	14.30	150	206	Vertical
4	5276.6777	56.87	74.00	17.13	47.56	54.00	6.44	150	133	Vertical
5	10561.0561	57.03	74.00	16.97	49.38	54.00	4.62	150	178	Vertical
6	16187.4187	52.10	74.00	21.90	44.42	54.00	9.58	150	356	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5320	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:25:35

Test Graph



PK Final Data List

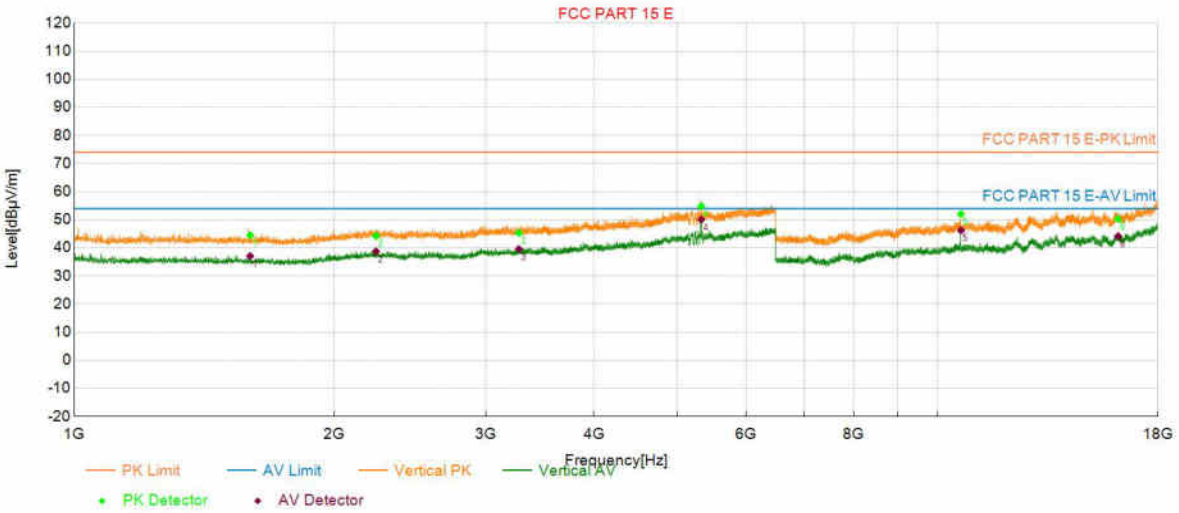
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1197.4697	47.50	74.00	26.50	35.65	54.00	18.35	150	169	Horizontal
2	3108.9109	47.76	74.00	26.24	37.59	54.00	16.41	150	74	Horizontal
3	4066.0066	49.34	74.00	24.66	38.94	54.00	15.06	150	104	Horizontal
4	8771.4771	44.33	74.00	29.67	39.50	54.00	14.50	150	104	Horizontal
5	10633.5134	57.78	74.00	16.22	49.02	54.00	4.98	150	135	Horizontal
6	17224.8225	50.51	74.00	23.49	46.74	54.00	7.26	150	242	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5320	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:27:01

Test Graph



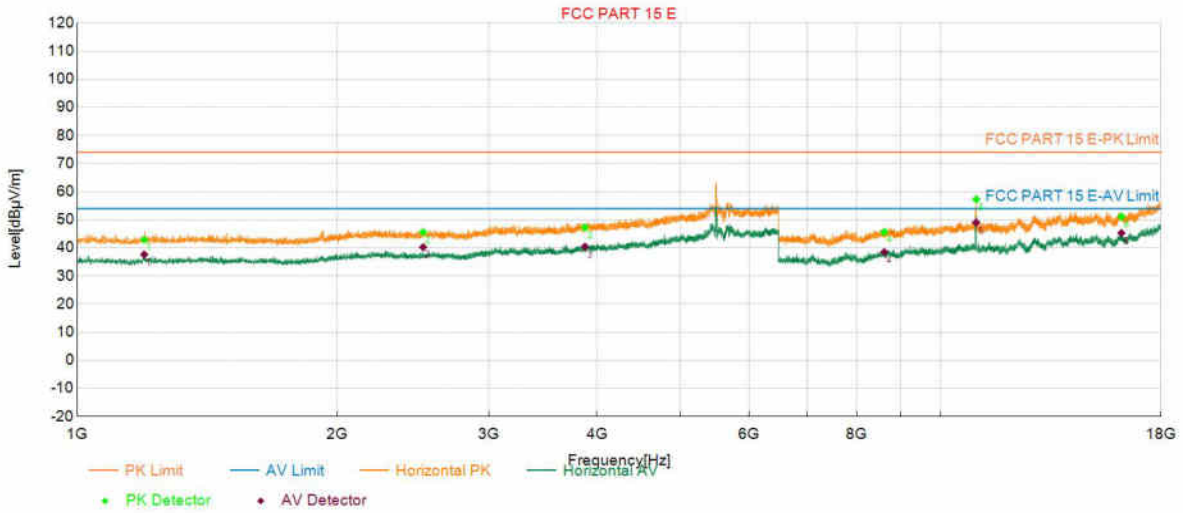
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1599.0099	44.46	74.00	29.54	37.08	54.00	16.92	150	131	Vertical
2	2236.5237	44.24	74.00	29.76	38.77	54.00	15.23	150	120	Vertical
3	3273.3773	45.31	74.00	28.69	39.54	54.00	14.46	150	107	Vertical
4	5325.0825	54.86	74.00	19.14	50.08	54.00	3.92	150	83	Vertical
5	10641.5642	52.04	74.00	21.96	46.20	54.00	7.80	150	134	Vertical
6	16181.6682	50.21	74.00	23.79	44.15	54.00	9.85	150	68	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5500	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:35:35

Test Graph



PK Final Data List

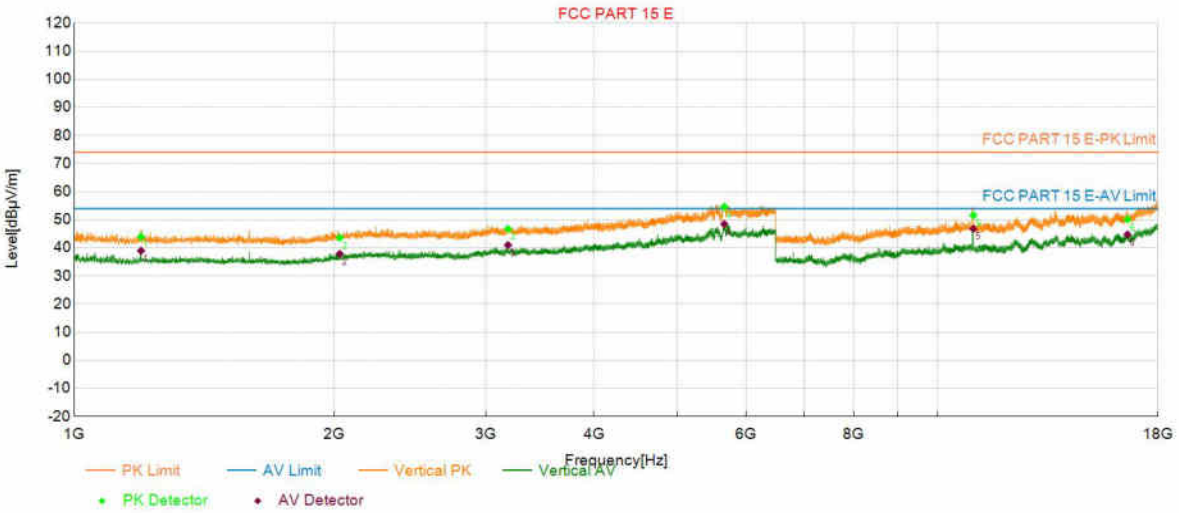
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1195.8196	42.88	74.00	31.12	37.62	54.00	16.38	150	170	Horizontal
2	2515.9516	45.59	74.00	28.41	40.27	54.00	13.73	150	292	Horizontal
3	3872.9373	47.26	74.00	26.74	40.42	54.00	13.58	150	232	Horizontal
4	8604.7105	45.66	74.00	28.34	38.49	54.00	15.51	150	223	Horizontal
5	10996.9497	57.26	74.00	16.74	49.00	54.00	5.00	150	130	Horizontal
6	16195.4695	51.11	74.00	22.89	45.28	54.00	8.72	150	282	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5500	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:37:03

Test Graph



PK Final Data List

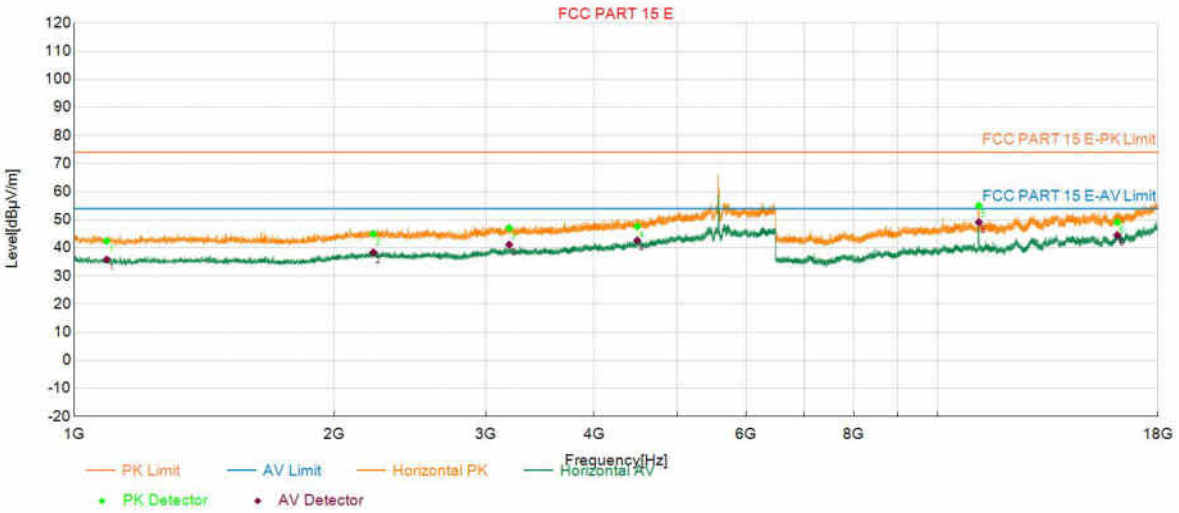
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1195.2695	43.93	74.00	30.07	38.95	54.00	15.05	150	106	Vertical
2	2030.8031	43.62	74.00	30.38	37.88	54.00	16.12	150	241	Vertical
3	3179.8680	46.78	74.00	27.22	41.00	54.00	13.00	150	360	Vertical
4	5662.8163	54.63	74.00	19.37	48.46	54.00	5.54	150	360	Vertical
5	10999.2499	51.59	74.00	22.41	46.77	54.00	7.23	150	180	Vertical
6	16592.2592	50.15	74.00	23.85	44.75	54.00	9.25	150	3	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5580	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:40:15

Test Graph



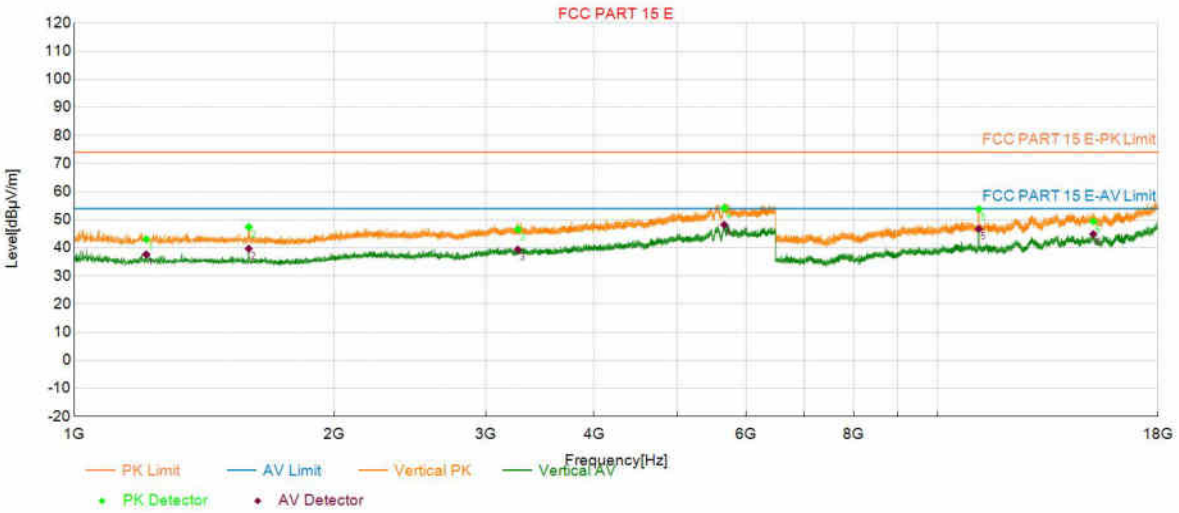
PK Final Data List										
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1090.7591	42.48	74.00	31.52	35.84	54.00	18.16	150	100	Horizontal
2	2220.5721	44.95	74.00	29.05	38.38	54.00	15.62	150	203	Horizontal
3	3190.3190	47.05	74.00	26.95	41.12	54.00	12.88	150	163	Horizontal
4	4488.9989	47.61	74.00	26.39	42.64	54.00	11.36	150	287	Horizontal
5	11162.5663	54.98	74.00	19.02	49.09	54.00	4.91	150	100	Horizontal
6	16144.8645	49.12	74.00	24.88	44.51	54.00	9.49	150	217	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5580	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:41:42

Test Graph



PK Final Data List

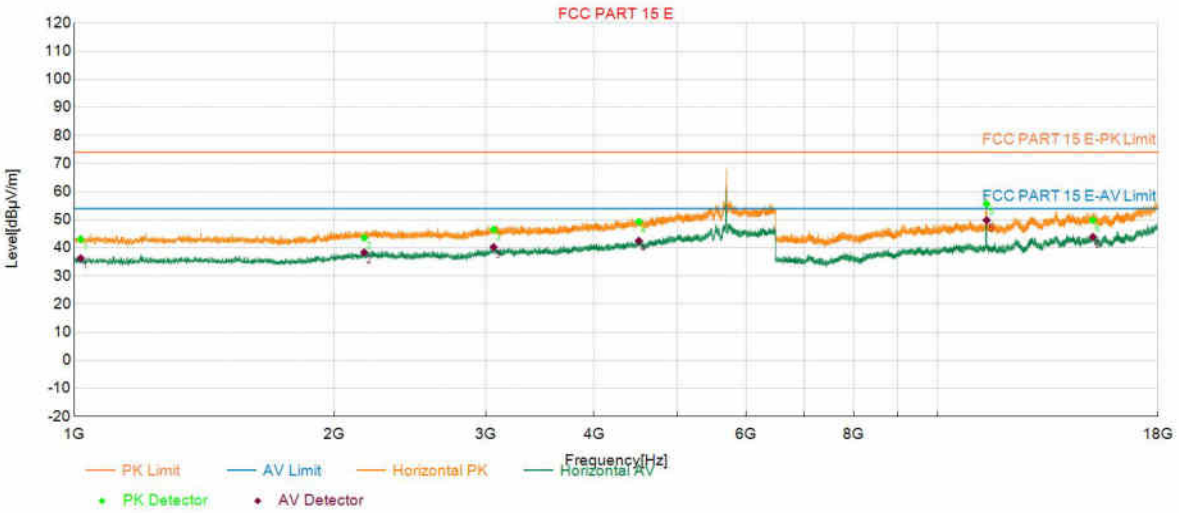
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1211.7712	43.03	74.00	30.97	37.68	54.00	16.32	150	191	Vertical
2	1592.9593	47.41	74.00	26.59	39.68	54.00	14.32	150	134	Vertical
3	3264.5765	46.63	74.00	27.37	39.40	54.00	14.60	150	191	Vertical
4	5662.2662	54.18	74.00	19.82	48.20	54.00	5.80	150	360	Vertical
5	11161.4161	53.75	74.00	20.25	46.78	54.00	7.22	150	146	Vertical
6	15147.7148	49.40	74.00	24.60	44.88	54.00	9.12	150	208	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5700	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:47:07

Test Graph



PK Final Data List

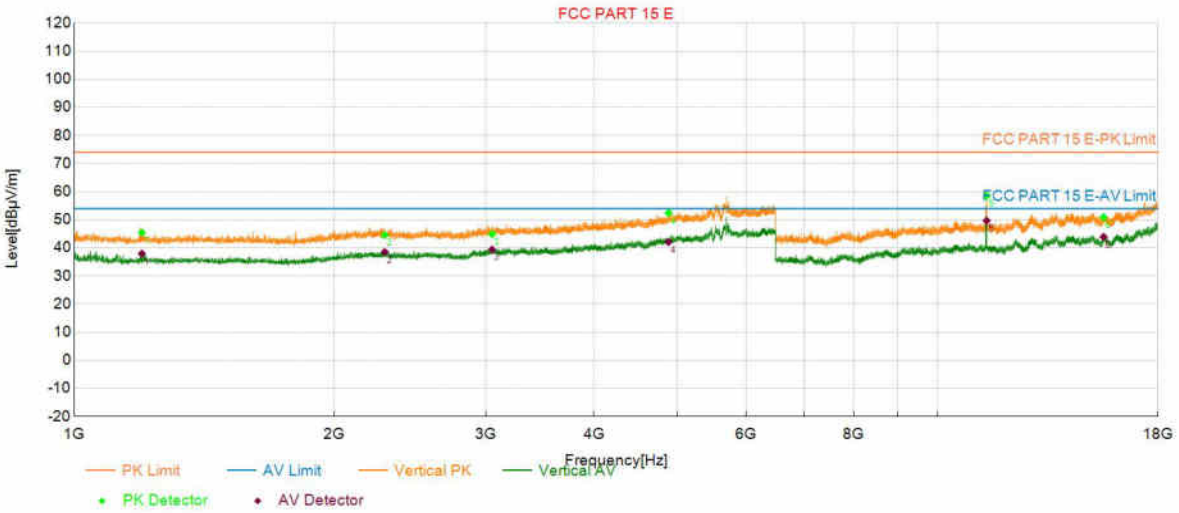
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1017.6018	43.06	74.00	30.94	36.28	54.00	17.72	150	173	Horizontal
2	2167.2167	43.60	74.00	30.40	38.37	54.00	15.63	150	83	Horizontal
3	3061.0561	46.54	74.00	27.46	40.28	54.00	13.72	150	173	Horizontal
4	4508.2508	49.25	74.00	24.75	42.53	54.00	11.47	150	96	Horizontal
5	11396.0396	55.61	74.00	18.39	49.82	54.00	4.18	150	166	Horizontal
6	15130.4630	49.88	74.00	24.12	43.89	54.00	10.11	150	303	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5700	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:48:33

Test Graph



PK Final Data List

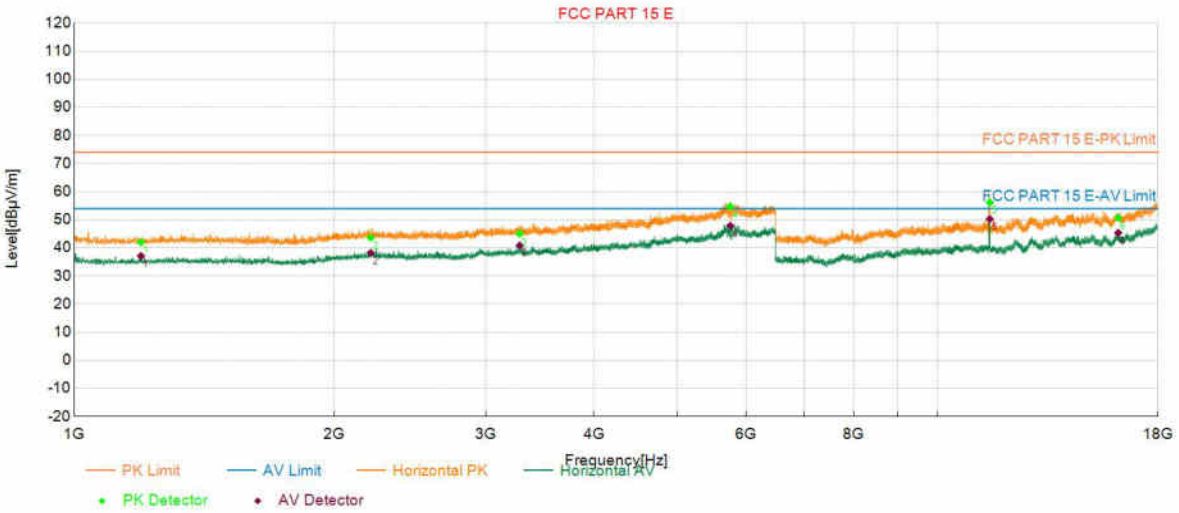
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1198.0198	45.45	74.00	28.55	37.93	54.00	16.07	150	99	Vertical
2	2289.3289	44.57	74.00	29.43	38.50	54.00	15.50	150	144	Vertical
3	3047.8548	44.88	74.00	29.12	39.39	54.00	14.61	150	30	Vertical
4	4880.0880	52.44	74.00	21.56	42.07	54.00	11.93	150	155	Vertical
5	11398.3398	58.50	74.00	15.50	49.68	54.00	4.32	150	148	Vertical
6	15568.6569	50.92	74.00	23.08	43.91	54.00	10.09	150	1	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5745	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:53:17

Test Graph



PK Final Data List

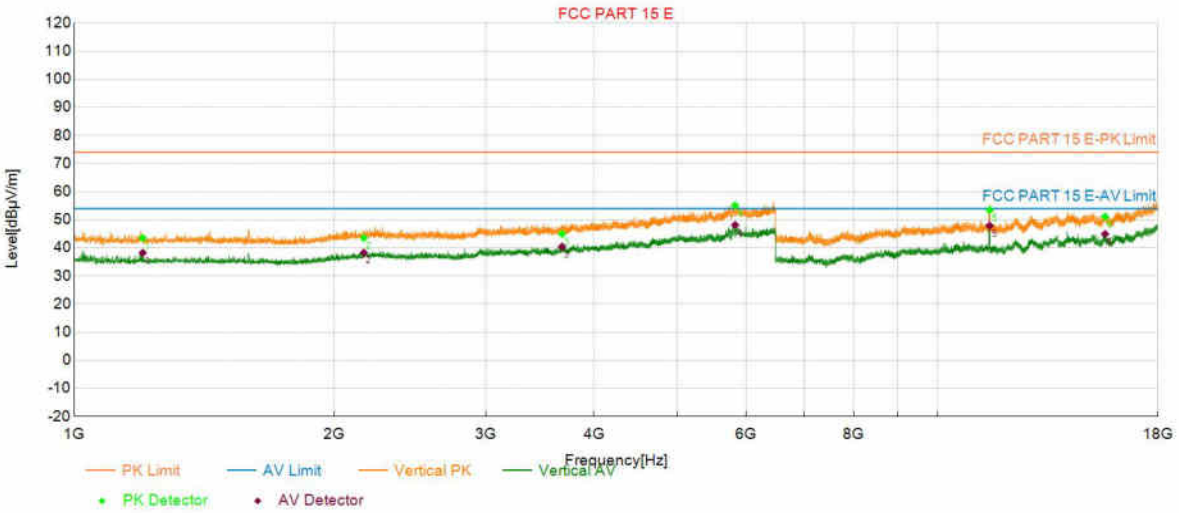
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1195.2695	42.00	74.00	32.00	37.08	54.00	16.92	150	128	Horizontal
2	2205.7206	43.63	74.00	30.37	38.20	54.00	15.80	150	90	Horizontal
3	3281.0781	45.02	74.00	28.98	40.83	54.00	13.17	150	219	Horizontal
4	5753.0253	54.71	74.00	19.29	47.86	54.00	6.14	150	165	Horizontal
5	11493.7994	56.16	74.00	17.84	50.26	54.00	3.74	150	166	Horizontal
6	16186.2686	50.68	74.00	23.32	45.33	54.00	8.67	150	281	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5745	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 10:54:43

Test Graph



PK Final Data List

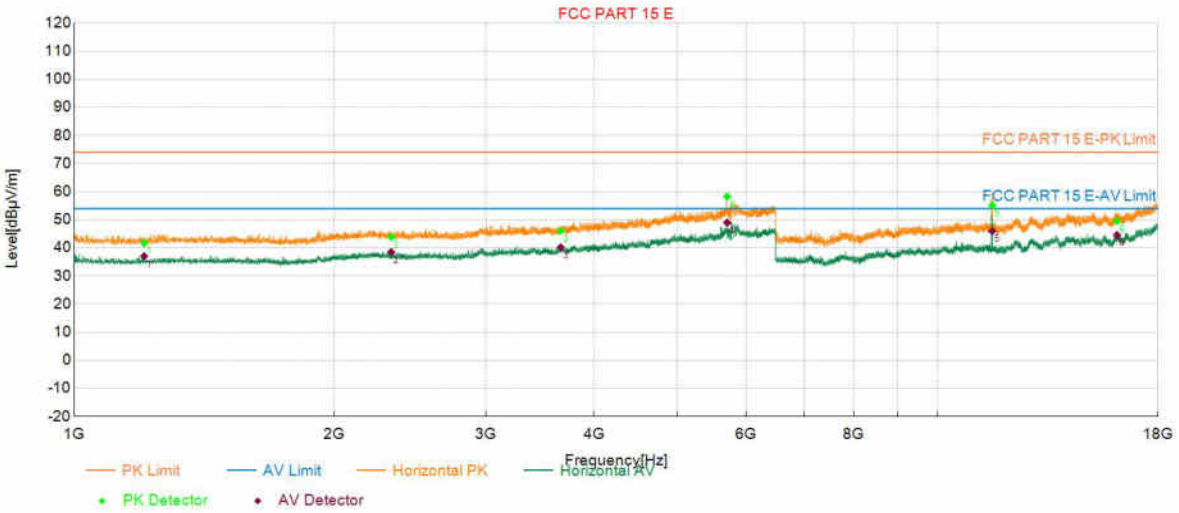
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1200.7701	43.53	74.00	30.47	38.21	54.00	15.79	150	100	Vertical
2	2165.0165	43.56	74.00	30.44	38.28	54.00	15.72	150	350	Vertical
3	3672.7173	44.98	74.00	29.02	40.43	54.00	13.57	150	65	Vertical
4	5827.8328	55.08	74.00	18.92	48.12	54.00	5.88	150	52	Vertical
5	11489.1989	53.44	74.00	20.56	47.87	54.00	6.13	150	181	Vertical
6	15630.7631	51.08	74.00	22.92	44.90	54.00	9.10	150	187	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5785	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 11:04:47

Test Graph



PK Final Data List

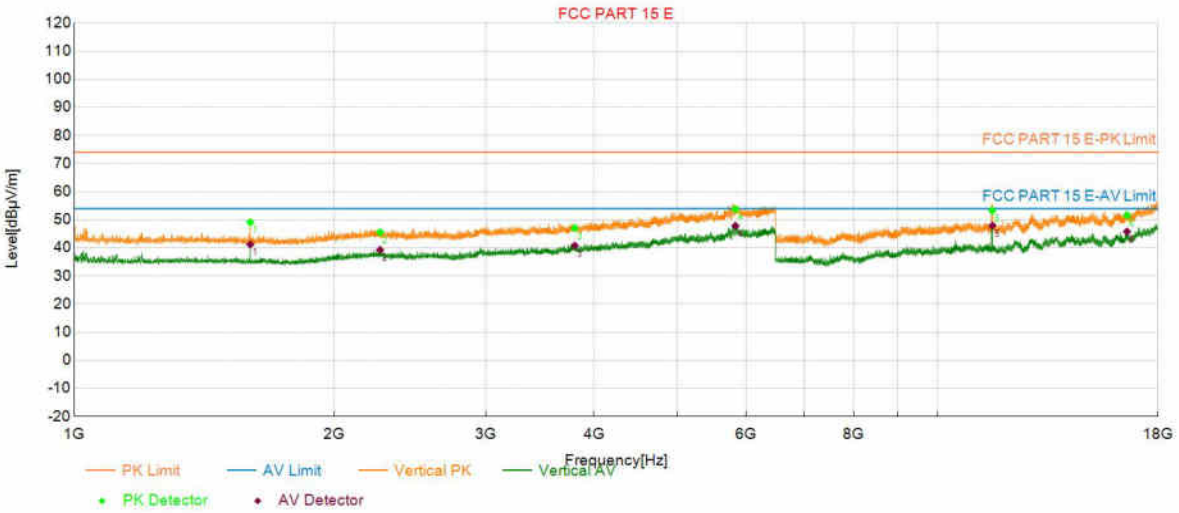
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1205.1705	41.68	74.00	32.32	36.99	54.00	17.01	150	171	Horizontal
2	2329.4829	43.92	74.00	30.08	38.50	54.00	15.50	150	260	Horizontal
3	3660.0660	46.07	74.00	27.93	40.17	54.00	13.83	150	349	Horizontal
4	5706.2706	58.26	74.00	15.74	48.97	54.00	5.03	150	112	Horizontal
5	11568.5569	55.12	74.00	18.88	45.99	54.00	8.01	150	172	Horizontal
6	16134.5135	49.52	74.00	24.48	44.55	54.00	9.45	150	296	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5785	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 11:06:14

Test Graph



PK Final Data List

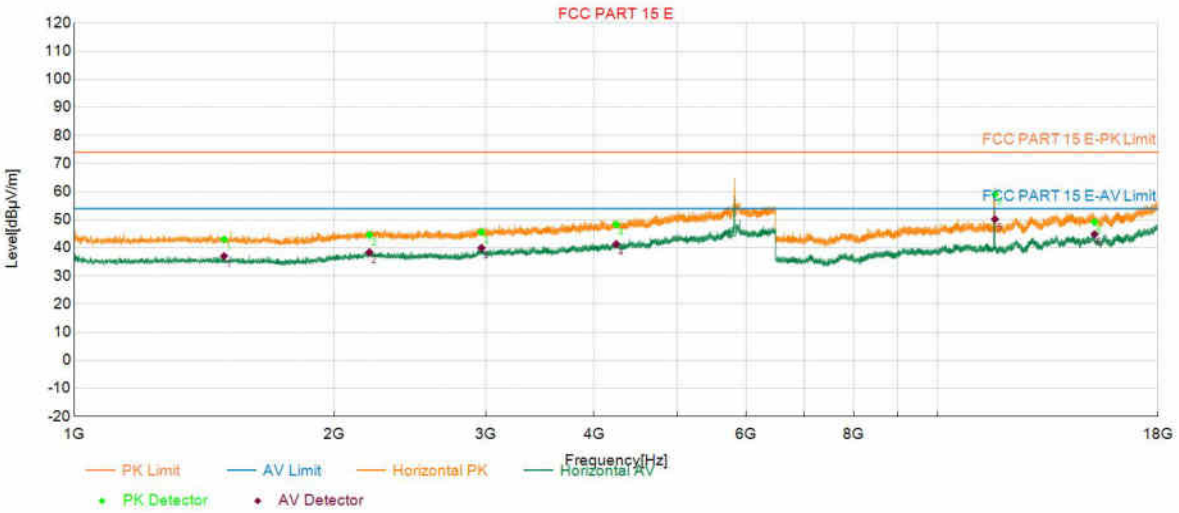
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1599.5600	49.10	74.00	24.90	41.23	54.00	12.77	150	137	Vertical
2	2260.7261	45.55	74.00	28.45	39.27	54.00	14.73	150	124	Vertical
3	3799.7800	47.00	74.00	27.00	40.79	54.00	13.21	150	240	Vertical
4	5832.2332	53.78	74.00	20.22	47.82	54.00	6.18	150	358	Vertical
5	11570.8571	53.27	74.00	20.73	47.89	54.00	6.11	150	1	Vertical
6	16570.4070	51.58	74.00	22.42	45.79	54.00	8.21	150	321	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5825	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 11:10:29

Test Graph



PK Final Data List

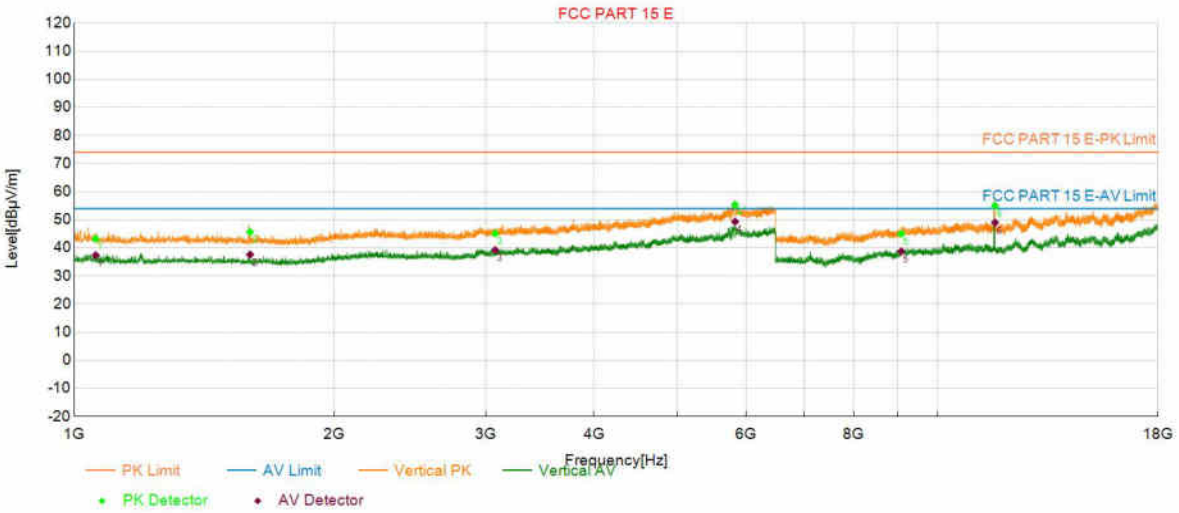
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1491.7492	43.04	74.00	30.96	37.08	54.00	16.92	150	30	Horizontal
2	2197.4697	44.61	74.00	29.39	38.41	54.00	15.59	150	88	Horizontal
3	2963.1463	45.62	74.00	28.38	39.98	54.00	14.02	150	360	Horizontal
4	4243.6744	48.29	74.00	25.71	41.31	54.00	12.69	150	325	Horizontal
5	11651.3651	59.09	74.00	14.91	50.16	54.00	3.84	150	108	Horizontal
6	15196.0196	49.16	74.00	24.84	44.84	54.00	9.16	150	50	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5825	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:16		
Test Standard: FCC PART 15 E			

Start of Test:2025-02-12 11:11:56

Test Graph



PK Final Data List

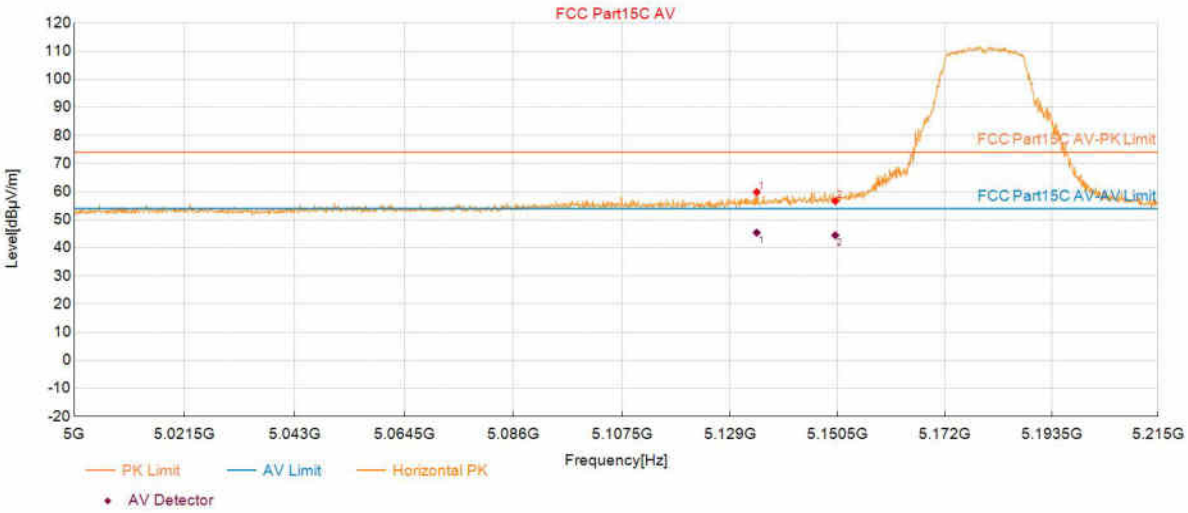
NO.	Frequency (MHz)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1059.4059	43.20	74.00	30.80	37.37	54.00	16.63	150	76	Vertical
2	1598.4598	45.64	74.00	28.36	37.61	54.00	16.39	150	144	Vertical
3	3073.7074	45.07	74.00	28.93	39.19	54.00	14.81	150	295	Vertical
4	5826.7327	55.31	74.00	18.69	49.36	54.00	4.64	150	288	Vertical
5	9076.2576	45.00	74.00	29.00	38.74	54.00	15.26	150	53	Vertical
6	11653.6654	54.99	74.00	19.01	49.00	54.00	5.00	150	152	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n/a/ac 2T2R USB WiFi Module Integrated BT 2.1+EDR/4.2/5.1		
Model:	SKO.WB663U.16	SN:	
Mode:	11A_5180	Voltage:	DC 5V
Environment:	Temp: 25℃; Humi:60%	Engineer:	Soho Liu
Remark:	Power Set:1A		
Test Standard: FCC Part15C AV			

Start of Test:2025-02-12 14:03:43

Test Graph



Suspected Data List								
NO.	Frequency (MHz)	Level (dBµV/m)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5134.3347	59.82	17.81	74.00	14.18	150	117	Horizontal
2	5150.0375	56.64	17.79	74.00	17.36	150	117	Horizontal

PK Final Data List							
NO.	Frequency (MHz)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	5134.3347	45.40	54.00	8.60	150	117	Horizontal
2	5150.0375	44.49	54.00	9.51	150	117	Horizontal