

FCC 15.407 WLAN 6GHz Test Report

for

Samsung Electronics Co., Ltd.

**129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do,
16677 Republic of Korea**

Product Name : Wi-Fi/BT/Zigbee Transceiver
Model Name : WCHB41M
Brand : SAMSUNG
FCC ID : A3LWCHB41M

**Prepared by: : AUDIX Technology Corporation,
EMC Department**



The test report is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.

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TEST REPORT

Applicant : Samsung Electronics Co., Ltd.
Manufacturer : Samsung Electronics Co., Ltd.
Factory : #1 CHEMTRONICS Co., Ltd
#2 CHENTROVINA COMPANY LIMITED
#3 SJIT VINA Co., Ltd
#4 SJIT CO., LTD.
#5 Chengdu Xuguang Technology Co., Ltd.
#6 XUGUANG TECHNOLOGY (VIETNAM) COMPANY LIMITED

EUT Description

(1) Product : Wi-Fi/BT/Zigbee Transceiver
(2) Model : WCHB41M
(3) Brand : SAMSUNG
(4) Power Supply: DC 5V

Applicable Standards:

Title 47 FCC CFR Part 15 Subpart E

Audix Technology Corp. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Audix Technology Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens and samples.

Date of Report: 2025. 12. 09

Reviewed by:



(Sunnies Huang/Administrator)

Approved by:



(Johnny Hsueh/Deputy Manager)



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1. REVISION RECORD OF TEST REPORT

Edition No	Issued Date	Revision Summary	Report Number
0	2025. 12. 09	Original Report	EM-F250678

2. SUMMARY OF TEST RESULTS

FCC Part Section(s)	Description	Results
15.207	Conducted Emission	PASS
15.205/15.209 15.407 (b)(6)	Radiated Band Edge and Radiated Spurious Emission	PASS
15.407(a)(8)	Maximum Power Spectral Density	PASS
15.407(a)(8)	Maximum Conducted Output Power	PASS
2.1049 15.407(a)(10)	Emission/Occupied Bandwidth	PASS
15.407(b)(6)	Undesirable emission limits: Spurious Emission (Conducted)	PASS
15.407(b)(7)	In-Band Emission (Channel Mask)	PASS
15.407(d)(6)	Contention Based Protocol	PASS
15.203	Antenna Requirement	PASS
Note: The uncertainties value is not used in determining the result.		

3. GENERAL INFORMATION

The EUT's information described in this section are all provided by the applicant.

3.1. Description of Application

Applicant	Samsung Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea
Manufacturer	Samsung Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677 Republic of Korea
Factory	#1 CHEMTRONICS Co., Ltd 35, Hyeongjero, Namsa-myeon, Cheoin-gu, Yongin si, Gyeonggi-do, Republic of Korea #2 CHENTROVINA COMPANY LIMITED 54-11, Dongtanhana 1-gil, Hwaseong-si, GyeonggiDo, 18423, Republic of Korea #3 SJIT VINA Co., Ltd Lot X2, Ho Nai Industrial Zone, Ho Nai 3 Commune, Trang Bom District, Dong Nai Province, Vietnam #4 SJIT CO., LTD. #54-11, Dongtanhana 1gil, Hwaseong-si, GyeonggiDo, KoreaGuangdong Jingrong Technology Co., Ltd. #5 Chengdu Xuguang Technology Co., Ltd. Building 1, Floors 1-2 and Building 2, Wenbai Avenue No.998, Baihe Street, Economic and Technological Development Zone (Longquanyi District), Chengdu City, Sichuan Province, P.R. China #6 XUGUANG TECHNOLOGY (VIETNAM) COMPANY LIMITED Factory No. 4, Lot CN1, An Duong Industrial Park, Hong Phong Commune, An Duong District, Hai Phong City, Vietnam
Product	Wi-Fi/BT/Zigbee Transceiver
Model	WCHB41M
Brand	SAMSUNG

3.2. Description of EUT

Test Model	WCHB41M		
Serial Number	N/A		
Power Rating	DC 5V		
Software Version	WiFi: FC 1 BT: FC 1 Zigbee: FC 1		
RF Features	WLAN: 802.11 a/b/g/n/ac/ax, Bluetooth: BT and BLE (BT 5.4), Zigbee		
Transmit Type	2.4 GHz		
	802.11b	1T1R	
	802.11g	1T1R	
	802.11n-HT20/40	2T2R	
	802.11ax-HE20/40	2T2R	
	BT/BLE	1T1R	
	Zigbee	1T1R	
	U-NII Bands		
	802.11a	1T1R	
	802.11n-HT20/40	2T2R	
	802.11ac-VHT20/40/80	2T2R	
	802.11ax-HE20/40/80	2T2R	
	WLAN 6E Bands		
	802.11a	1T1R	
	802.11ax-HE20/40/80	2T2R	
	The MIMO is uncorrelated and supported SDM (Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).		
Device Category	☐ standard power access point and fixed client device ☐ indoor access point ☐ subordinate device operating under the control of an indoor access point ☐ client devices, except for fixed client devices, operating under the control of a standard power access point ☒ client devices operating under the control of an indoor access point		
Test Sample	Sample No.	Test Item	Firmware
	02	AC Conduction, RSE,	N/A
	01	RF Conducted	N/A
Sample Status	Trial sample		

Date of Receipt	2025. 09. 15
Date of Test	2025. 10. 16 ~ 11. 11
Interface Ports of EUT	• None
Accessories Supplied	• None

Note: Pursuant ISO 17025:2017 section 7.8.2, Audix Technology Corp. does not assume responsibility for all EUT's information including RF features, transmit type, antenna information...etc are provided by customer.

3.3. Reference Test Guidance

ANSI C63.10-2020

KDB 789033 D02 v02r01, KDB 662911 D01 v02r01, KDB 987594 D02 v03

3.4. Antenna Information

No.	Antenna Part Number	Manufacture	Antenna Type	Frequency (MHz)	Max Gain(dBi)	
					BT 0	BT 1/ Zigbee
1.	WCHB41M	Shenzhen Hanyang Antenna Co., Ltd.	Chip Antenna	2400	-1.23	-1.64
				2410	-1.19	-1.45
				2420	-1.20	-1.27
				2430	-1.26	-1.07
				2440	-1.42	-0.91
				2450	-1.43	-0.81
				2460	-1.54	-0.72
				2470	-1.77	-0.65
				2480	-2.02	-0.51

No.	Antenna Part Number	Manufacture	Antenna Type	Frequency (MHz)	Max Gain(dBi)	
					ANT 0	ANT 0
2.	WCHB41M	Shenzhen Hanyang Antenna Co., Ltd.	Chip Antenna	2400	-0.44	-2.24
				2410	-0.38	-2.28
				2420	-0.55	-2.33
				2430	-0.66	-2.38
				2440	-0.92	-2.36
				2450	-1.14	-2.2
				2460	-1.23	-2.11
				2470	-1.25	-2.04
				2480	-1.37	-1.88
				5150	-1.01	-1.75
				5250	-0.44	-1.24
				5350	-1.60	-1.87
				5450	-1.92	-1.24
				5550	-1.84	-1.19
				5650	-1.95	-0.03
				5750	-2.46	0.19
				5850	-2.94	-0.10
				5925	-2.89	0.37
				6075	-2.27	0.04
				6225	-1.31	-0.29
				6375	-0.50	-0.31
				6425	-0.70	-0.27
				6675	-0.89	0.13
				6825	-0.08	0.34
				6975	-0.04	-0.70
				7125	-0.73	-1.07

According to KDB 662911 D01 d) ii), transmit signals are completely uncorrelated, then
Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

Note 1. 2.4G: Directional gain =

2400~2500MHz: Directional gain = $10 \log[(10^{-2.88/10} + 10^{-1.23/10})/2] = -1.23$ dBi

Note 2. 5G: Directional gain =

5150 ~ 5250MHz: $= 10 \log[(10^{-1.24/10} + 10^{-0.44/10})/2] = -0.82$ dBi

5250 ~ 5350MHz: $= 10 \log[(10^{-1.24/10} + 10^{-0.44/10})/2] = -0.82$ dBi

5850 ~ 5925MHz: $= 10 \log[(10^{0.37/10} + 10^{-2.89/10})/2] = -0.96$ dBi

Note 3. UNII Band (WLAN 6G):

5925~6375MHz: Directional gain = $10 \log[(10^{-0.31/10} + 10^{0.5/10})/2] = -0.4$ dBi

6375~6525MHz: Directional gain = $10 \log[(10^{-0.31/10} + 10^{0.5/10})/2] = -0.4$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{0.34/10} + 10^{-0.08/10})/2] = 0.14$ dBi

6975~7125MHz: Directional gain = $10 \log[(10^{-0.7/10} + 10^{-0.04/10})/2] = -0.36$ dBi

3.5. EUT Specifications Assessed in Current Report

Mode	U-NII Band	Fundamental Range (MHz)	Channel Number
802.11a	5	5975-6375	21
	6	6455	1
	7	6535-6855	17
	8	6935-7095	13
802.11ax-HE20	5	5955-6415	24
	6	6435-6515	5
	7	6535-6855	17
	8	6875-7115	13
802.11ax-HE40	5	5965-6405	12
	6	6445-6485	2
	7	6525-6845	9
	8	6885-7085	6
802.11ax-HE80	5	5985-6385	6
	6	6465-6545	2
	7	6705	1
	8	6865-7025	3

Mode	Modulation	Data Rate (Mbps)
802.11a	OFDMA (BPSK/ QPSK/ 16QAM/ 64QAM/ 256QAM/1024QAM)	Up to 54
802.11ax-HE20		Up to 287
802.11ax-HE40		Up to 574
802.11ax-HE80		Up to 1201

Channel List								
802.11a								
U-NII Band	Channel Number	Freq. (MHz)	U-NII Band	Channel Number	Freq. (MHz)	U-NII Band	Channel Number	Freq. (MHz)
5	5	5975	6	101	6455	8	197	6935
	9	5995	7	117	6535		201	6955
	13	6015		121	6555		205	6975
	17	6035		125	6575		209	6995
	21	6055		129	6595		213	7015
	25	6075		133	6615		217	7035
	29	6095		137	6635		221	7055
	33	6115		141	6655		225	7075
	37	6135		145	6675		229	7095
	41	6155		149	6695			
	45	6175		153	6715			
	49	6195		157	6735			
	53	6215		117	6535			
	57	6235		161	6755			
	61	6255		165	6775			
	65	6275		169	6795			
	69	6295		173	6815			
	73	6315		177	6835			
	77	6335		181	6855			
	85	6375						

Channel List								
802.11ax-HE20								
U-NII Band	Channel Number	Freq. (MHz)	U-NII Band	Channel Number	Freq. (MHz)	U-NII Band	Channel Number	Freq. (MHz)
5	2	5955	5	81	6335	7	161	6755
	5	5975		85	6375		165	6775
	9	5995		89	6395		169	6795
	13	6015		93	6415		173	6815
	17	6035	6	97	6435	8	177	6835
	21	6055		101	6455		181	6855
	25	6075		105	6475		185	6875
	29	6095		109	6495		189	6895
	33	6115		113	6515		193	6915
	37	6135	7	117	6535		197	6935
	41	6155		121	6555		201	6955
	45	6175		125	6575		205	6975
	49	6195		129	6595		209	6995
	53	6215		133	6615		213	7015
	57	6235		137	6635		217	7035
	61	6255		141	6655		221	7055
	65	6275		145	6675		225	7075
	69	6295		149	6695		229	7095
	73	6315		153	6715		233	7115
	77	6335		157	6735			

Channel List								
802.11ax-HE40								
U-NII Band	Channel Number	Freq. (MHz)	U-NII Band	Channel Number	Freq. (MHz)	U-NII Band	Channel Number	Freq. (MHz)
5	3	5965	5	83	6365	7	163	6765
	11	6005		91	6405		171	6805
	19	6045	6	99	6445		179	6845
	27	6085		107	6485	8	187	6885
	35	6125	7	115	6525		195	6925
	43	6165		123	6565		203	6965
	51	6205		131	6505		211	7005
	59	6245		139	6645		219	7045
	67	6285		147	6685		227	7085
	75	6325		155	6725			

Channel List								
802.11ax-HE80								
U-NII Band	Channel Number	Freq. (MHz)	U-NII Band	Channel Number	Freq. (MHz)	U-NII Band	Channel Number	Freq. (MHz)
5	7	5985	5	87	6385	8	199	6945
	23	6065	6	103	6465		215	7025
	39	6145		119	6545			
	55	6225	7	151	6705			
	71	6305	8	183	6865			

Note: Test modes are presented at section 3.7.

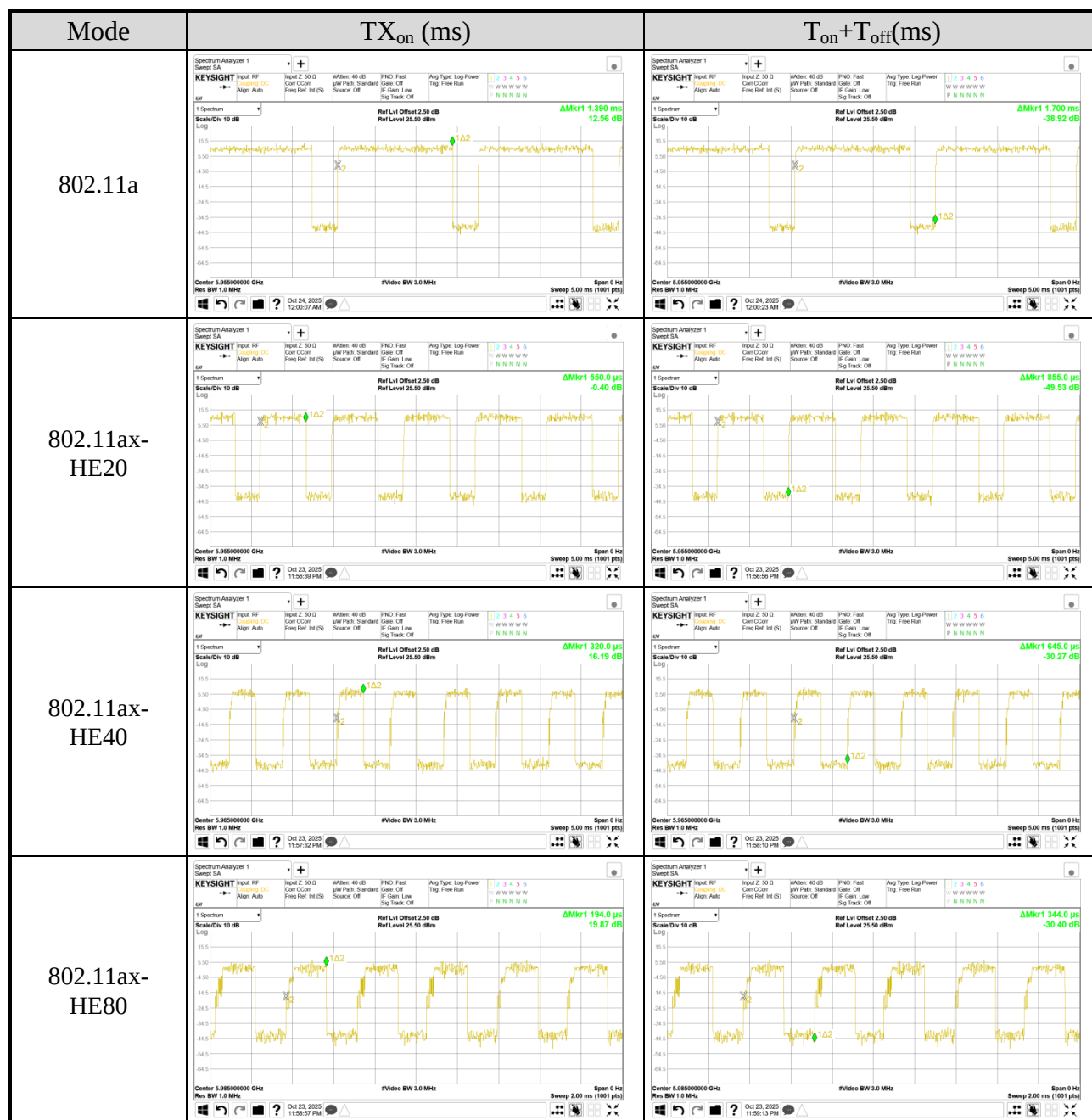
3.6. Description of Key Components

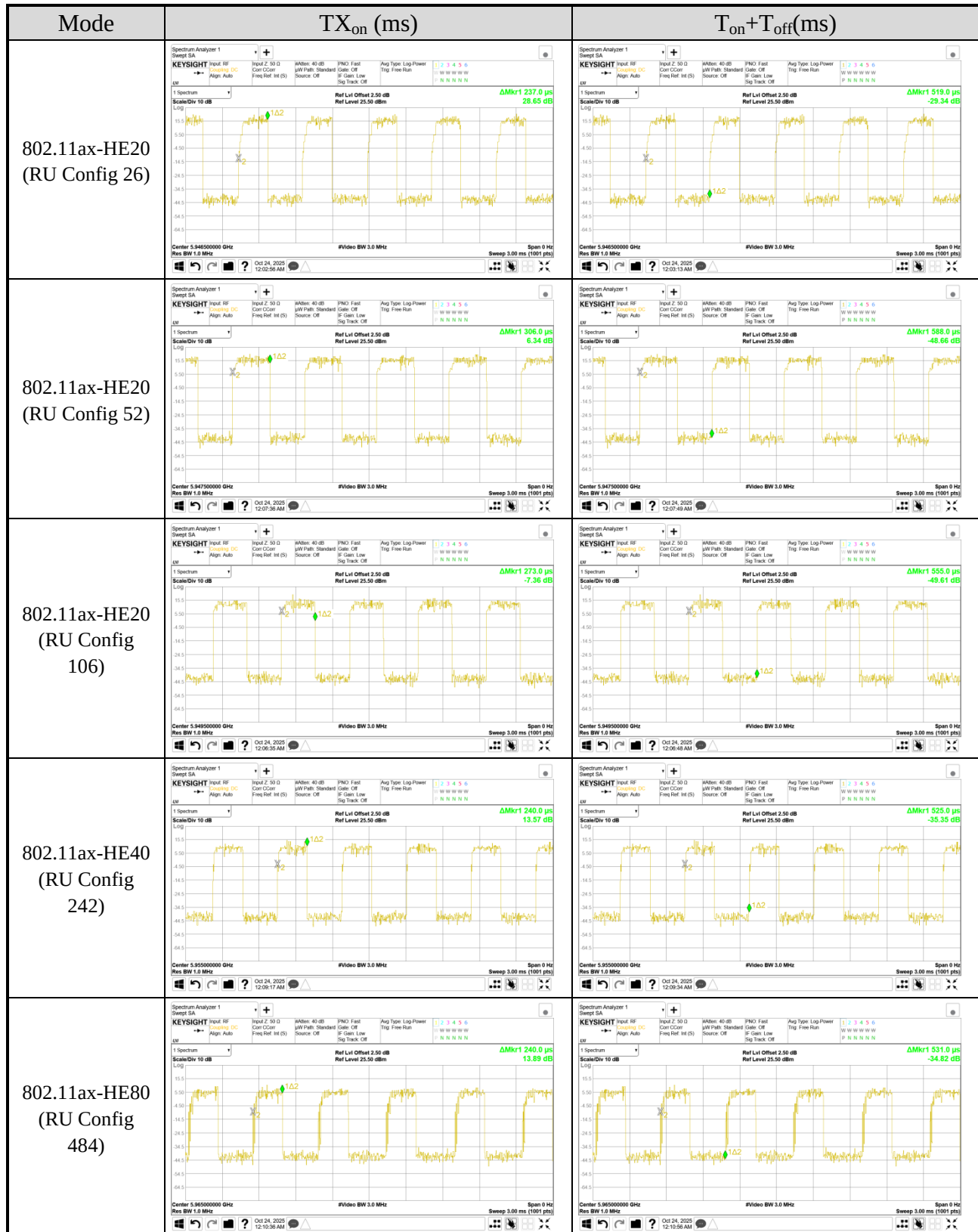
None

3.7. Test Configuration

Mode	TX _{on} (ms)	TX _{on+off} (ms)	Duty Cycle (x)	Duty Cycle Factor [10log(1/x)] (dB)
802.11a	1.39	1.7	0.818	0.872
802.11ax-HE20	0.55	0.855	0.643	1.918
802.11ax-HE40	0.32	0.645	0.496	3.045
802.11ax-HE80	0.194	0.344	0.564	2.487
802.11ax-HE20 (RU Config 26)	0.237	0.519	0.457	3.401
802.11ax-HE20 (RU Config 52)	0.306	0.588	0.520	2.84
802.11ax-HE20 (RU Config 106)	0.273	0.555	0.492	3.08
802.11ax-HE40 (RU Config 242)	0.24	0.525	0.457	3.401
802.11ax-HE80 (RU Config 484)	0.24	0.531	0.452	3.449

Note: When duty cycle is less than 98% (0.98) that duty cycle factor 10log(1/x) is needed to add in conducted test items measured in average detector.





AC Conduction				
Normal operation				

Item		Mode	Data Rate	Test Channel
Radiated Test Case	Radiated Spurious Emission (30MHz~1GHz)	802.11ax-HE40	HE0	43

● OFDM Modulation

Item		Mode	Data Rate	Test Channel
Radiated Test Case	Radiated Spurious Emission (Above 1GHz)	802.11a	6 Mbps	5/53/85/101/117/149/181/197/213/229
		802.11ax-HE20	HE0	45/93/97/105/113/117/149/181/185/209/229/233
		802.11ax-HE40	HE0	3/43/91/99/107/115/147/179/187/211/227
		802.11ax-HE80	HE0	7/39/87/103/119/151/183/199/215
	Band Edge	802.11a	6 Mbps	5/229
		802.11ax-HE20	HE0	2
		802.11ax-HE40	HE0	3/227
		802.11ax-HE80	HE0	7/215
	Band Edge- Marker Delta	802.11ax-HE20	HE0	233

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Item		Mode	Data Rate	Test Channel
Conducted Test Case	Maximum Power Spectral Density/ Maximum Conducted Output power/ Emission/ Occupied Bandwidth	802.11a	6 Mbps	5/53/85/101/117/149/181/197/213/229
		802.11ax-HE20	HE0	2/45/93/97/105/113/117/149/181/185/209/233
		802.11ax-HE40	HE0	3/43/91/99/107/115/147/179/187/211/227
		802.11ax-HE80	HE0	7/39/87/103/119/151/183/199/215

Item		Mode	Data Rate	Test Channel
Conducted Test Case	Spurious Emission	802.11a	6 Mbps	93/113/117/185
		802.11ax-HE20	HE0	93/113/117/185
		802.11ax-HE40	HE0	3/107/115/187
		802.11ax-HE80	HE0	87/119/135/183

Item		Mode	Data Rate	Test Channel
Conducted Test Case	In-Band Emission (Channel Mask)	802.11a	6 Mbps	5/53/85/101/117/149/181/197/213/229
		802.11ax-HE20	HE0	2/45/93/97/105/113/117/149/181/185/209/233
		802.11ax-HE40	HE0	3/43/91/99/107/115/147/179/187/211/227
		802.11ax-HE80	HE0	7/39/87/103/119/135/151/183/199/215
	Contention Based Protocol	802.11ax-HE20	EHT0	37/101/149/213
		802.11ax-HE20	EHT0	39/103/151/199

● OFDMA Modulation

Item		Tones	RU Index	Mode	Data Rate	Test Channel
Radiated Test Case	Band Edge	26T	0	802.11ax-HE20	HE0	2
			8	802.11ax-HE20	HE0	233
		52T	37	802.11ax-HE20	HE0	2
			40	802.11ax-HE20	HE0	233
		106T	53	802.11ax-HE20	HE0	2
			54	802.11ax-HE20	HE0	233
		242T	61	802.11ax-HE40	HE0	3
			62	802.11ax-HE40	HE0	227
		484T	65	802.11ax-HE80	HE0	7
			66	802.11ax-HE80	HE0	215

Item		Tones	RU Index	Mode	Data Rate	Test Channel
Conducted Test Case	Maximum Power Spectral Density/ In-Band Emission (Channel Mask)	26T	0	802.11ax-HE20	HE0	2
		52T	39	802.11ax-HE20	HE0	2
		106T	53	802.11ax-HE20	HE0	2
		242T	61	802.11ax-HE80	HE0	151
		484T	65	802.11ax-HE80	HE0	7

Item		Tones	RU Index	Mode	Data Rate	Test Channel
Conducted Test Case	Maximum Conducted Output power ^{Note 3}	26T	0/4/8	802.11ax-HE20	HE0	2/45/93/97/105/1 13/117/149/181/ 185/209/233
		52T	37/39/40			
		106T	53/54			
		242T	61			
		26T	0/8/17	802.11ax-HE40	HE0	3/43/91/99/107/115 /147/179/187/211/2 27
		52T	37/40/44			
		106T	53/54/56			
		242T	61/62			
		26T	0/18/36	802.11ax-HE80	HE0	7/39/87/103/119/ 151/183/199/215
		52T	37/44/52			
		106T	53/56/60			
		242T	61/62/64			
		484T	65/66			

Note 1: ☐ Mobile Device ☒ Portable Device

and 3 axis were assessed. The worst scenario for Radiated Spurious Emission as follow:

☒ Lie ☐ Side ☐ Stand

Note 2: Low, mid, and high channels were measured, only the worst channel of each modulation was presented in this report.

Note 3: The data rates were selected based on preliminary testing that identified rate as the worst case for output power.

Note 4: For the CBP test, The EUT does not support channel puncturing mechanism.

Note 5: For the Partial_RU modes which include single RU that are less than or equal Full RU power setting, we have conducted tests for Power, PSD, Mask and Radiated band-edge.

Note 6: For the Partial_RU modes including single RU, We had done the pre-scan to determine the worst-case modes from the all combinations. The worst-case results (PSD, Mask, Radiated Band-Edge) are presented in the report.

3.8. Output Power Setting

● OFDM Modulation

Mode	U-NII Band	Centre Frequency (MHz)	Power Setting		Mode	U-NII Band	Centre Frequency (MHz)	Power Setting	
			ANT 0	ANT 1				ANT 0	ANT 1
802.11a	5	5975	7.50	7.50	802.11a	7	6535	4.50	4.50
		6215	7.50	7.50			6695	4.50	4.50
		6375	7.50	7.50			6855	4.50	4.50
	6	6455	6.00	6.00		8	6935	5.50	5.50
							7015	5.50	5.50
							7095	5.50	5.50

Mode	U-NII Band	Centre Frequency (MHz)	Power Setting		Mode	U-NII Band	Centre Frequency (MHz)	Power Setting	
			ANT 0	ANT 1				ANT 0	ANT 1
802.11ax-HE20	5	5955	1.00	1.00	802.11ax-HE20	7	6535	-1.50	-1.50
		6175	1.00	1.00			6695	-1.50	-1.50
		6415	1.00	1.00			6855	-1.50	-1.50
	6	6435	-0.50	-0.50		8	6875	-1.50	-1.50
		6475	-0.50	-0.50			6995	-1.50	-1.50
		6515	-0.50	-0.50			7115	-2.50	-2.50

Mode	U-NII Band	Centre Frequency (MHz)	Power Setting		Mode	U-NII Band	Centre Frequency (MHz)	Power Setting	
			ANT 0	ANT 1				ANT 0	ANT 1
802.11ax-HE40	5	5965	4.00	4.00	802.11ax-HE40	7	6525	3.00	3.00
		6165	4.00	4.00			6685	3.00	3.00
		6405	4.00	4.00			6845	3.00	3.00
	6	6445	3.00	3.00		8	6885	2.50	2.50
		6485	3.00	3.00			7005	2.50	2.50
							7085	2.50	2.50

Mode	U-NII Band	Centre Frequency (MHz)	Power Setting		Mode	U-NII Band	Centre Frequency (MHz)	Power Setting	
			ANT 0	ANT 1				ANT 0	ANT 1
802.11ax-HE80	5	5985	7.00	7.00	802.11ax-HE80	7	6705	5.50	5.50
		6145	7.00	7.00		8	6865	5.50	5.50
		6385	7.00	7.00			6945	5.50	5.50
	6	6465	7.00	7.00			7025	5.50	5.50
		6545	5.50	5.50					

● OFDMA Modulation

Tones: 26T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 0		RU Index 4		RU Index 8	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE20	5	5955	26T	-8.00	-8.00	-8.00	-8.00	-8.00	-8.00
		6175		-8.00	-8.00	-8.00	-8.00	-8.00	-8.00
		6415		-8.00	-8.00	-8.00	-8.00	-8.00	-8.00
	6	6435		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
		6475		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
		6515		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
	7	6535		-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
		6695		-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
		6855		-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
	8	6875		-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
		6995		-10.00	-10.00	-10.00	-10.00	-10.00	-10.00
		7115		-13.00	-13.00	-13.00	-13.00	-13.00	-13.00

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 0		RU Index 8		RU Index 17	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE40	5	5965	26T	-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
		6165		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
		6405		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
	6	6445		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
		6485		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
		6525		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
	7	6685		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
		6845		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
		6885		-9.50	-9.50	-9.50	-9.50	-9.50	-9.50
	8	7005		-9.50	-9.50	-9.50	-9.50	-9.50	-9.50
		7085		-9.50	-9.50	-9.50	-9.50	-9.50	-9.50

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 0		RU Index 18		RU Index 36	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE80	5	5985	26T	-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
		6145		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
		6385		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
	6	6465		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
		6545		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
		6625		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
	7	6705		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
		6785		-8.50	-8.50	-8.50	-8.50	-8.50	-8.50
		6865		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
	8	6945		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00
		7025		-9.00	-9.00	-9.00	-9.00	-9.00	-9.00

Tones: 52T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 37		RU Index 39		RU Index 40	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE20	5	5955	52T	-5.50	-5.50	-5.50	-5.50	-5.50	-5.50
		6175		-5.50	-5.50	-5.50	-5.50	-5.50	-5.50
		6415		-5.50	-5.50	-5.50	-5.50	-5.50	-5.50
	6	6435		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
		6475		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
		6515		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
	7	6535		-7.50	-7.50	-7.50	-7.50	-7.50	-7.50
		6695		-7.50	-7.50	-7.50	-7.50	-7.50	-7.50
		6855		-7.50	-7.50	-7.50	-7.50	-7.50	-7.50
	8	6875		-7.50	-7.50	-7.50	-7.50	-7.50	-7.50
		6995		-7.50	-7.50	-7.50	-7.50	-7.50	-7.50
		7115		-10.00	-10.00	-10.00	-10.00	-10.00	-10.00

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 37		RU Index 40		RU Index 44	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE40	5	5965	52T	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
		6165		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
		6405		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
	6	6445		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
		6485		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
		6525		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
	7	6685		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
		6845		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
		6885		-7.00	-7.00	-7.00	-7.00	-7.00	-7.00
	8	7005		-7.00	-7.00	-7.00	-7.00	-7.00	-7.00
		7085		-7.00	-7.00	-7.00	-7.00	-7.00	-7.00
				-7.00	-7.00	-7.00	-7.00	-7.00	-7.00

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Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 37		RU Index 44		RU Index 52	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE80	5	5985	52T	-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
		6145		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
		6385		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
	6	6465		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
		6545		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
	7	6625		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
		6705		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
		6785		-6.00	-6.00	-6.00	-6.00	-6.00	-6.00
	8	6865		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
		6945		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50
		7025		-6.50	-6.50	-6.50	-6.50	-6.50	-6.50

Tones: 106T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			
				RU Index 53		RU Index 54	
				ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE20	5	5955	106T	-2.50	-2.50	-2.50	-2.50
		6175		-2.50	-2.50	-2.50	-2.50
		6415		-2.50	-2.50	-2.50	-2.50
	6	6435		-4.00	-4.00	-4.00	-4.00
		6475		-4.00	-4.00	-4.00	-4.00
		6515		-4.00	-4.00	-4.00	-4.00
	7	6535		-5.00	-5.00	-5.00	-5.00
		6695		-5.00	-5.00	-5.00	-5.00
		6855		-5.00	-5.00	-5.00	-5.00
	8	6875		-5.00	-5.00	-5.00	-5.00
		6995		-5.00	-5.00	-5.00	-5.00
		7115		-8.50	-8.50	-8.50	-8.50

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 53		RU Index 54		RU Index 56	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE40	5	5965	106T	-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
		6165		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
		6405		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
	6	6445		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
		6485		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
		6525		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
	7	6685		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
		6845		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
		6885		-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
	8	7005		-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
		7085		-4.00	-4.00	-4.00	-4.00	-4.00	-4.00
				-4.00	-4.00	-4.00	-4.00	-4.00	-4.00

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Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 53		RU Index 56		RU Index 60	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE80	5	5985	106T	-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
		6145		-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
		6385		-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
	6	6465		-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
		6545		-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
	7	6625		-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
		6705		-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
		6785		-3.00	-3.00	-3.00	-3.00	-3.00	-3.00
	8	6865		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
		6945		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50
		7025		-3.50	-3.50	-3.50	-3.50	-3.50	-3.50

Tones: 242T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			
				RU Index 61		RU Index 62	
				ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE40	5	5965	242T	0.50	0.50	0.50	0.50
		6165		0.50	0.50	0.50	0.50
		6405		0.50	0.50	0.50	0.50
	6	6445		0.50	0.50	0.50	0.50
		6485		0.50	0.50	0.50	0.50
	7	6525		0.50	0.50	0.50	0.50
		6685		0.50	0.50	0.50	0.50
		6845		0.50	0.50	0.50	0.50
	8	6885		0.50	0.50	0.50	0.50
		7005		0.50	0.50	0.50	0.50
		7085		0.50	0.50	0.50	0.50

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)					
				RU Index 61		RU Index 62		RU Index 64	
				ANT 0	ANT 1	ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE80	5	5985	242T	0.50	0.50	0.50	0.50	0.50	0.50
		6145		0.50	0.50	0.50	0.50	0.50	0.50
		6385		0.50	0.50	0.50	0.50	0.50	0.50
	6	6465		0.50	0.50	0.50	0.50	0.50	0.50
		6545		0.50	0.50	0.50	0.50	0.50	0.50
	7	6625		0.50	0.50	0.50	0.50	0.50	0.50
		6705		0.50	0.50	0.50	0.50	0.50	0.50
		6785		0.50	0.50	0.50	0.50	0.50	0.50
	8	6865		0.50	0.50	0.50	0.50	0.50	0.50
		6945		0.50	0.50	0.50	0.50	0.50	0.50
		7025		0.50	0.50	0.50	0.50	0.50	0.50

Tones: 484T

Mode	U-NII Band	Centre Frequency (MHz)	Tones	Average Conducted Output power (dBm)			
				RU Index 65		RU Index 66	
				ANT 0	ANT 1	ANT 0	ANT 1
802.11ax-HE80	5	5985	484T	4.00	4.00	4.00	4.00
		6145		4.00	4.00	4.00	4.00
		6385		4.00	4.00	4.00	4.00
	6	6465		4.50	4.50	4.50	4.50
		6545		4.50	4.50	4.50	4.50
	7	6625		4.50	4.50	4.50	4.50
		6705		4.50	4.50	4.50	4.50
		6785		4.50	4.50	4.50	4.50
	8	6865		4.50	4.50	4.50	4.50
		6945		4.50	4.50	4.50	4.50
		7025		4.50	4.50	4.50	4.50

3.9. Tested Supporting System List

3.9.1. Support Peripheral Unit

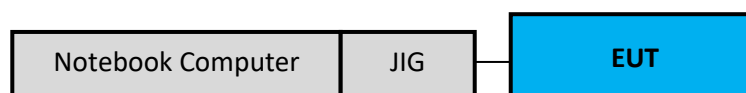
No.	Product	Brand	Model No.	Serial No.	Approval
1.	Notebook Computer	acer	MS2343	N/A	N/A
2.	JIG	N/A	N/A	N/A	N/A

3.9.2. Cable Lists

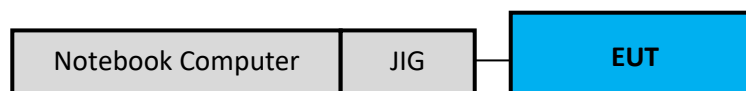
No.	Cable Description Of The Above Support Units
1.	Bus Cable: Unshielded, Undetachable, 0.1 m

3.10. Setup Configuration

3.10.1. EUT Configuration for Power Line & Radiated Emission



3.10.2. EUT Configuration for RF Conducted Test Items



3.11. Operating Condition of EUT

Test program “QA Tool” is used for enabling EUT WLAN function under continues transmitting and choosing data rate/ channel.

3.12. Description of Test Facility

Name of Test Firm	Audix Technology Corporation / EMC Department No. 491, Zhongfu Rd., Linkou Dist., New Taipei City 244, Taiwan Tel: +886-2-26092133 Fax: +886-2-26099303 Website : www.audixtech.com Contact e-mail: attemc_report@audixtech.com
Accreditations	The laboratory is accredited by following organizations under ISO/IEC 17025:2017 (1) NVLAP(USA) NVLAP Lab Code 200077-0 (2) TAF(Taiwan) No. 1724
Test Facilities	FCC OET Designation Number under APEC MRA by NCC is : TW1724 ISED CAB Identifier Number under APEC TEL MRA by NCC is TW1724 (1) No.7 Shielded Room (2) No.1 3m Semi Anechoic Chamber

3.13.Measurement Uncertainty

The measurement uncertainty levels have been estimated as specified in ETSI TR 100 028-2001

Test Items/Facilities			Frequency Range	Uncertainty
Conduction Test	☒	No. 7 Shielded Room	9kHz-150kHz	±3.7dB
	150kHz-30MHz		±3.4dB	
	☐	No. 8 Shielded Room	9kHz-150kHz	±3.7dB
	150kHz-30MHz		±3.4dB	
Radiation Test	☒	No.1 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.0dB
	200MHz-1000MHz, 3m, Horizontal		±4.0dB	
	30MHz-200MHz, 3m, Vertical		±4.8dB	
	200MHz-1000MHz, 3m, Vertical		±4.5dB	
	1GHz-6GHz, 3m		±4.2dB	
	6GHz-18GHz, 3m		±4.0dB	
	☐	No.3 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±3.9dB
	200MHz-1000MHz, 3m, Horizontal		±3.9dB	
	30MHz-200MHz, 3m, Vertical		±4.6dB	
	200MHz-1000MHz, 3m, Vertical		±4.3dB	
	1GHz-6GHz, 3m		±4.6dB	
	6GHz-18GHz, 3m		±4.1dB	
	☐	No.4 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.4dB
	200MHz-1000MHz, 3m, Horizontal		±4.2dB	
	30MHz-200MHz, 3m, Vertical		±4.9dB	
	200MHz-1000MHz, 3m, Vertical		±5.1dB	
	1GHz-6GHz, 3m		±4.4dB	
	6GHz-18GHz, 3m		±4.0dB	
	☐	No.5 3m Semi Anechoic Chamber	30MHz-200MHz, 3m, Horizontal	±4.2dB
	200MHz-1000MHz, 3m, Horizontal		±4.1dB	
	30MHz-200MHz, 3m, Vertical		±4.9dB	
	200MHz-1000MHz, 3m, Vertical		±4.6dB	
	1GHz-6GHz, 3m		±4.4dB	
	6GHz-18GHz, 3m		±4.0dB	
		Radiated emissions (18GHz-40GHz)		18GHz-40GHz, 3m

Remark : Uncertainty = $ku_c(y)$

Test Items	Uncertainty
Maximum Power Spectral Density	±0.5dB
Maximum Conducted Output Power	±0.42dB
Emission Bandwidth	±0.48%
Contention Based Protocol	±2.8%

4. MEASUREMENT EQUIPMENT LIST

4.1. Conducted Emission Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Test Receiver	R&S	ESR3	103114	2025.06.02	1 Year
2.	A.M.N	R&S	ESH2-Z5	100366	2024.11.01	1 Year
3.	L.I.S.N.	Kyoritsu	KNW-407	8-1370-10	2025.01.05	1 Year
4.	Pulse Limiter	R&S	ESH3-Z2	100354	2024.12.07	1 Year
5.	Digital Thermo-Hygro Meter	iMax	HTC-1	No.7 S/R	2025.04.09	1 Year
6.	Coaxial Cable	Thermax/CDT	RG-142	CE-07	2025.05.08	1 Year
7.	Test Software	Audix	e3	V9 18621a	N.C.R.	N.C.R.

4.2. Radiated Emission Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9010A-526	MY53400071	2025.08.07	1 Year
2.	Spectrum Analyzer	Keysight	N9010B-544	MY55460198	2025.07.09	1 Year
3.	Test Receiver	R&S	ESCS30	100265	2025.06.10	1 Year
4.	Amplifier	HP	8447D	2944A06305	2024.12.16	1 Year
5.	Microwave Preamplifier	HP	8449B	3008A01284	2025.07.07	1 Year
6.	Microwave Amplifier	Keysight	83051A	MY56480113	2025.09.05	1 Year
7.	Loop antenna	Electro-Metrics	EMCI-LPA600	287	2025.07.31	1 Year
8.	Bilog Antenna	TESEQ	CBL6112D	33821	2025.02.08	1 Year
9.	Double-Ridged Waveguide Horn	EMCO	3115	9112-3775	2025.05.06	1 Year
10.	Horn Antenna	COM-POWER	AH-840	101092	2025.01.09	1 Year
11.	Notch Filter	Warison	WFIL-N5925-64 25F	WR61CFWC4 B1	2025.01.11	1 Year
12.	Notch Filter	Warison	WFIL-N6425-65 25F	WR61CFWC6 B1	2025.01.11	1 Year
13.	Notch Filter	Warison	WFIL-N6525-68 75F	WR61CFWC8 B1	2025.01.11	1 Year
14.	Notch Filter	Warison	WFIL-N6875-71 25F	WR61CFWC2 B1	2025.01.11	1 Year
15.	Coaxial Cable	MIYAZAKI	5D2W	RE-11	2025.01.03	1 Year
16.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 106	RE-14	2025.01.03	1 Year
17.	Coaxial Cable	HUBER+SUHNER	SUCOFLEX 102	RE-30	2025.08.19	1 Year
18.	Digital Thermo-Hygro Meter	iMax	HTC-1	No.1 3m A/C	2025.04.09	1 Year
19.	Test Software	Audix	e3	V9 18621a	N.C.R.	N.C.R.

4.3. RF Conducted Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Keysight	N9010B	MY65100101	2025.05.05	1 Year
2.	Spectrum Analyzer	Keysight	N9010B	MY65100102	2025.05.14	1 Year
3.	Power Meter	Anritsu	ML2495A	2127005	2024.11.19	1 Year
4.	Power Sensor	Anritsu	MA2411B	1911360	2024.11.30	1 Year
5.	Digital Thermo-Hygro Meter	iMax	HTC-1	RF-03	2025.04.09	1 Year

4.4. Contention Based Protocol Measurement

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Spectrum Analyzer	Agilent	N9030A-544	US51350140	2024.11.07	1 Year
2.	MXG RF Vector Signal Generator	Agilent	N5182B	MY53050409	2024. 11.29	1 Year
3.	Frequency Extender	KEYSIGHT	N5182BX07	MY59362533	2024. 11.29	1 Year
4.	Digital Thermo-Hygro Meter	iMax	HTC-1	RF-03	2025.04.09	1 Year
5.	Attenuator (10dB) X2	Worken	WK0602-10	0120A02208001 S	N.C.R	N.C.R
6.	Attenuator (30dB) X1	Worken	WK0602-30	0120A02208002 S	N.C.R	N.C.R
7.	CBP Test Unit	Keysight	N.C.R	N.C.R	N.C.R	N.C.R

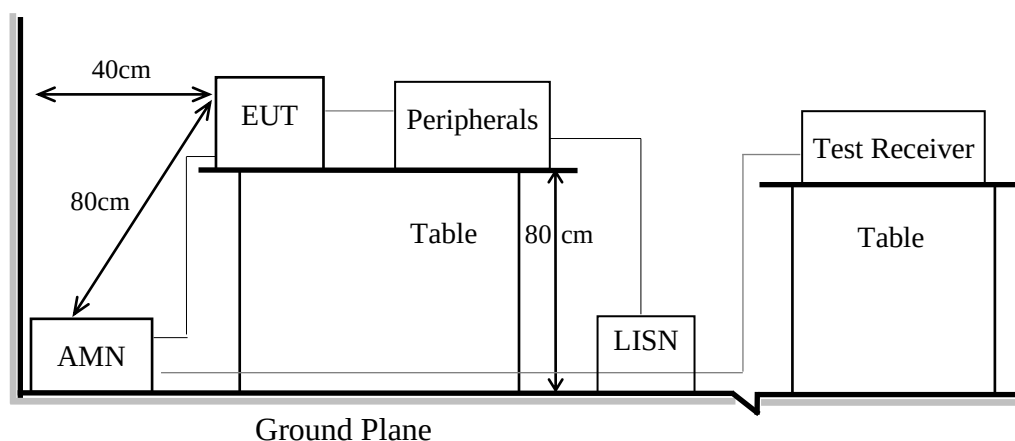
5. CONDUCTED EMISSION

5.1. Block Diagram of Test Setup

5.1.1. Block Diagram of EUT

Indicated as section 3.10

5.1.2. Shielded Room Setup Diagram



5.2. Conducted Emission Limit

Frequency	Conducted Limit	
	Quasi-Peak Level	Average Level
150kHz ~ 500kHz	66 ~ 56 dB μ V	56 ~ 46 dB μ V
500kHz ~ 5MHz	56 dB μ V	46 dB μ V
5MHz ~ 30MHz	60 dB μ V	50 dB μ V

Remark 1.: If the average limit is met when using a Quasi-Peak detector, the measurement using the average detector is not required.

2.: The lower limit applies to the band edges.

5.3. Test Procedure

- 5.3.1. To set up the EUT as indicated in ANSI C63.10. The EUT was placed on the table which has 80 cm height to the ground and 40 cm distance to the conducting wall.
- 5.3.2. Power supplier of the EUT was connected to the AC ANT 1s through an Artificial ANT 1s Network (A.M.N.).
- 5.3.3. The AC power supplies to all peripheral devices must be provided through line impedance stabilization network (L.I.S.N.)
- 5.3.4. Checking frequency range from 150 kHz to 30 MHz and record the emission which does not have 20 dB below limit.

5.4. Test Results

Please refer to Appendix A.

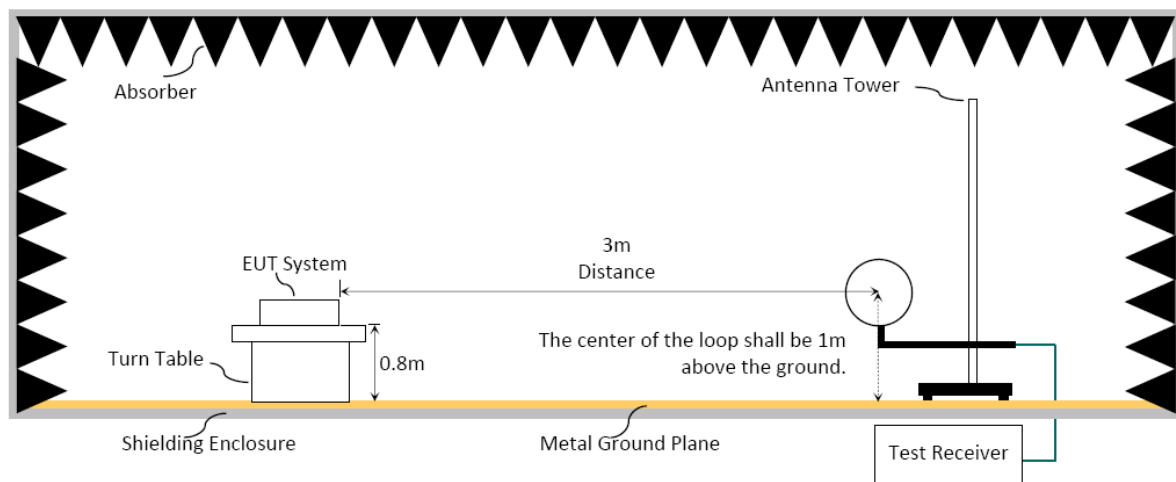
6. RADIATED EMISSION

6.1. Block Diagram of Test Setup

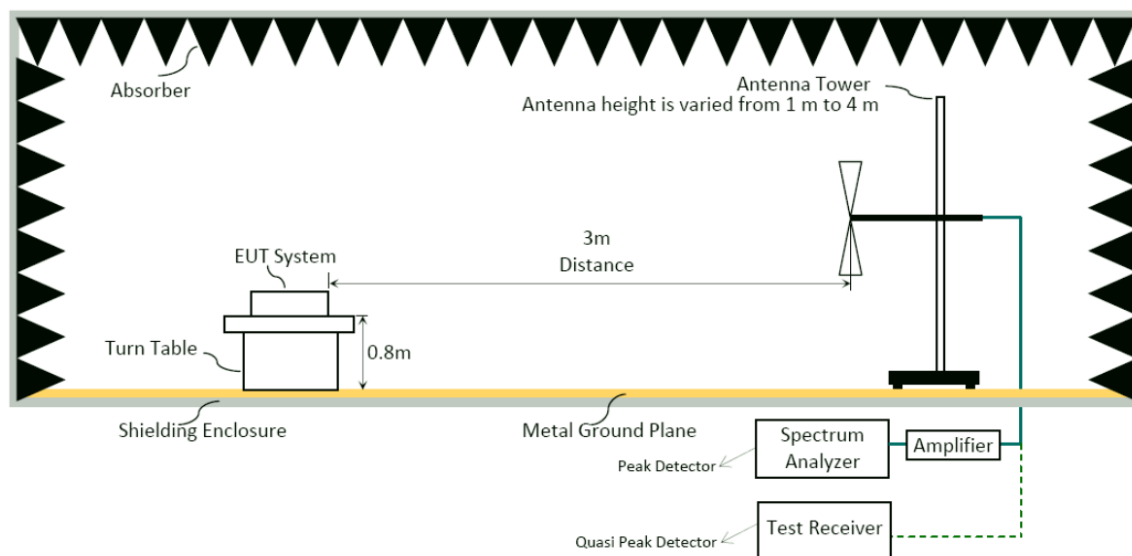
6.1.1. Block Diagram of EUT

Indicated as section 3.10

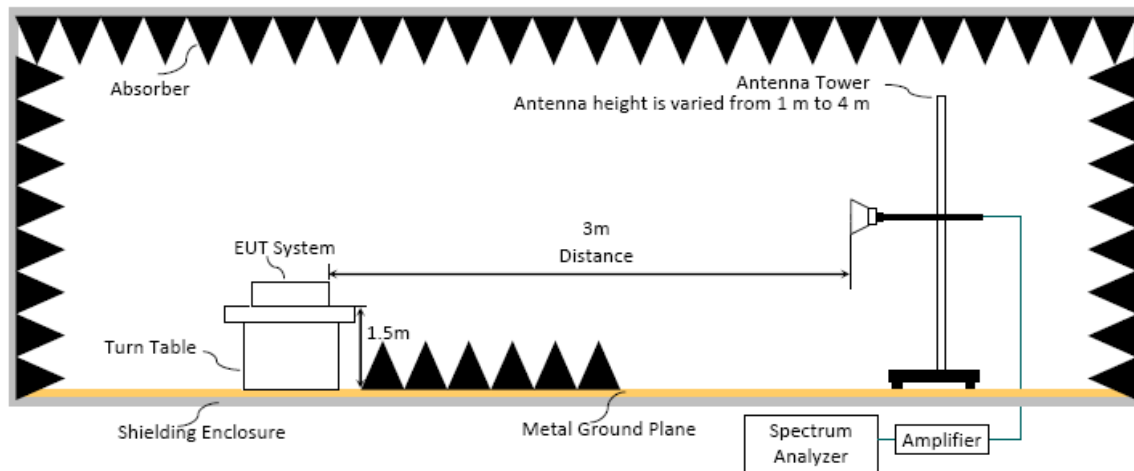
6.1.2. Setup Diagram for 9kHz-30MHz



6.1.3. Setup Diagram for 30-1000MHz



6.1.4. Setup Diagram for above 1GHz



6.2. Radiated Emission Limits

Radiated emissions fall in restricted bands, as defined in FCC Section 15.205/RSS-Gen Section 8.10 table 7 must be in compliance with the radiated emission limits specified in FCC Section 15.209/RSS-Gen Section 8.9 table 6 as below.

6.2.1. General Limit

Frequency (MHz)	Distance(m)	Limits	
		dB μ V/m	μ V/m
0.009 - 0.490	300	67.6-20 log f(kHz)	2400/f kHz
0.490 - 1.705	30	87.6-20 log f(kHz)	24000/f kHz
1.705 - 30	30	29.5	30
30 - 88	3	40.0	100
88- 216	3	43.5	150
216- 960	3	46.0	200
Above 960	3	54.0	500
Above 1000	3	74.0 dB μ V/m (Peak) 54.0 dB μ V/m (Average)	

Remark : (1) dB μ V/m = 20 log (μ V/m)

(2) The tighter limit applies to the edge between two frequency bands.

(3) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.

(4) Fundamental and emission fall within operation band are exempted from this section.

(5) Pursuant to ANSI C63.10: 6.6.4.3, if the maximized peak measured value complies with the average limit, then it is unnecessary to perform an average measurement.

6.2.2. Limit for non-restricted frequency above 1 GHz

Frequency Band (MHz)	E.I.R.P. Limit	Field Strength Limit at 3 m
Out of 5925 to 7125	-27 dBm/MHz	68.2 dB μ V/m

Note: Field Strength at 3 m= E.I.R.P. + 95.2 dB

6.3. Test Procedure

Frequency Range 9kHz~30MHz:

The EUT setup on the turntable which has 0.8 m height to the ground. The turn table rotated 360 degrees and antenna fixed to 1 m to find the maximum emission level. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2020 regulation.

- (1) RBW = 9kHz with peak and average detector.
- (2) Detector: average and peak (9kHz-490kHz)
Q.P. (490kHz-30MHz)

Frequency Range 30MHz ~ 40GHz:

The EUT setup on the turn table which has 80cm (for 30-1000MHz) and 1.5m (for above 1GHz) height to the ground. The turn table rotated 360 degrees and antenna varied from 1 m to 4 m to find the maximum emission level. Both horizontal and vertical polarization are required. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2020 regulation.

6.3.1. Radiated measurement Spectrum Analyzer Setting

6.3.1.1 Frequency below 1GHz:

Spectrum Analyzer is used for pre-testing with following setting:

- (1) RBW = 120kHz
- (2) VBW $\geq 3 \times$ RBW.
- (3) Detector = Peak.
- (4) Sweep time = auto.
- (5) Trace mode = max hold.
- (6) Allow sweeps to continue until the trace stabilizes.

Note 1: When peak-detected value is lower than limit that the measurement using the Q.P. detector is not required, otherwise using Q.P. for final measurement.

Note 2: When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds.

6.3.1.2 Frequency above 1GHz to 10th harmonic (up to 40 GHz):

Peak Detector:

- (1) RBW = 1MHz
- (2) VBW $\geq 3 \times$ RBW.
- (3) Detector = Peak.
- (4) Sweep time = auto.
- (5) Trace mode = max hold.
- (6) Allow sweeps to continue until the trace stabilizes.

Note: When peak-detected value is lower than limit that the measurement using the average detector is not required, otherwise using average detector for final measurement.

Average Detector:☒ **Option 1:**

(1) RBW = 1MHz

(2) VBW $\geq 1/T$. (Duty Cycle < 98%, when duty cycle presented in section 3.7)

Mode	VBW Setting
802.11a	750Hz
802.11ax-HE20	2.0kHz
802.11ax-HE40	3.3kHz
802.11ax-HE80	5.6kHz
RU (26T)	4.3kHz
RU (52T)	3.3kHz
RU (106T)	3.9kHz
RU (242T)	4.3kHz
RU (484T)	4.3kHz

(3) VBW = set $VBW \leq RBW / 100$, but not less than 10Hz (Duty Cycle $\geq 98\%$, when duty cycle presented in section 3.7)

(4) Detector = Peak.

(5) Sweep time = auto.

(6) Trace mode = max hold.

(7) Allow sweeps to continue until the trace stabilizes.

☐ **Option 2:**

Average Emission Level = Peak Emission Level + D.C.C.F.

6.3.2. Radiated band edge measurement Spectrum Analyzer Setting

For without 99% OBW edge within 2 MHz of the authorized band edge:

The spectrum analyzer setting, please refer to section 6.3.1.2

For with 99% OBW edge within 2 MHz of the authorized band edge:

Per KDB 789033 Section G.3.d and ANSI C63.10 -2013 6.10.4, SA setting as below:

a. Fundamental field strength of SA setting:

The spectrum analyzer setting, please refer to section 6.3.1.2

b. Delta of SA setting:

- (1) RBW = 1% SPAN but no less than 30 KHz
(In this case, RBW = 500 KHz)
- (2) VBW $\geq 3 \times$ RBW.
- (3) Detector = Peak.
- (4) Sweep time = auto.
- (5) Trace mode = max hold.
- (6) Allow sweeps to continue until the trace stabilizes.

Correction Factor (Via delta, dB) = Fundamental Emission Level (dB μ V/m) @ RBW 500KHz - Band Edge Emission Level (dB μ V/m) @ RBW 500kHz

Band Edge Emission Level (dB μ V/m) =
Fundamental Emission Level (dB μ V/m) @ RBW 1MHz – Marker Delta (dB)

6.4. Measurement Result Explanation

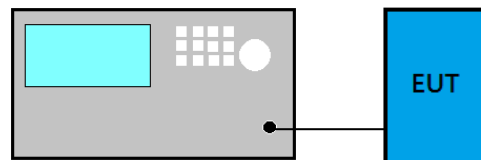
- Peak Emission Level (dB μ V/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Meter Reading (dB μ V) (including Preamp factor if test used)
- Average Emission Level (dB μ V/m) = Antenna Factor (dB/m) + Cable Loss (dB) + Meter Reading (dB μ V) (including Preamp factor if test used)
- ☐ Average Emission Level (dB μ V/m) = Peak Emission Level (dB μ V/m) + DCCF (dB)
Duty Cycle Correction Factor (DCCF) = $20\log(TX_{on}/TX_{on+off})$ presented in section 3.7.
- ☐ ERP = Peak Emission Level (dB μ V/m) - 95.2dB - 2.14dB
- ☐ Band Edge Emission Level (dB μ V/m) = Fundamental Emission Level (dB μ V/m) – Marker-Delta (dB)

6.5. Test Results

Please refer to Appendix A.

7. MAXIMUM POWER SPECTRAL DENSITY

7.1. Block Diagram of Test Setup



7.2. Specification Limits

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum power spectral density must not exceed -1dBm e.i.r.p. in any 1-megahertz band

7.3. Test Procedure

Following measurement procedure is reference to KDB 789033 D02 General UNII Test Procedures New Rules v02r01:

■ Method AVGSA-2 (Spectrum channel power)

- (1) Set span to at least 1.5 times the OBW
- (2) Set RBW = 1 MHz
- (3) Set the video bandwidth (VBW) ≥ 3 MHz.
- (4) Detector = RMS.
- (5) Trace mode = trace average at least 100 traces
- (6) Sweep = auto couple.
- (7) Use peak search function to find out the maximum power density.
- (8) Duty cycle factor is added when duty cycle presented in section 3.7 is $< 98\%$.

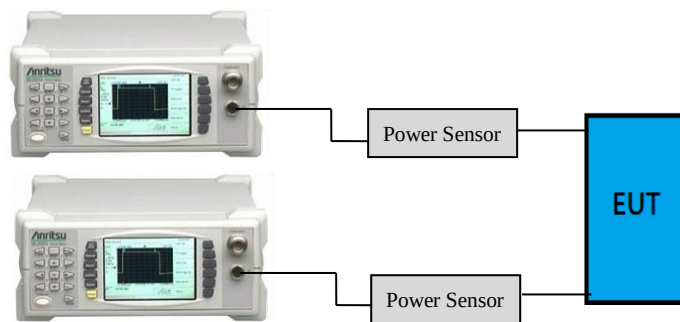
For power density emission measurements from multiple outputs of a transmitter or from multiple transmitters: Please refer to KDB 662911 E 2) c).

7.4. Test Results

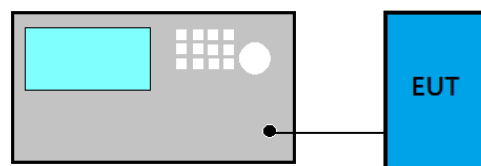
Please refer to Appendix A

8. MAXIMUM CONDUCTED OUTPUT POWER

8.1. Block Diagram of Test Setup



- For 802.11ac-VHT80/160, 802.11ax-HE160 modes only



8.2. Specification Limits

For client devices operating under the control of an indoor access point in the 5.925-7.125 GHz bands, the maximum e.i.r.p. over the frequency band of operation must not exceed 24 dBm.

8.3. Test Procedure

Following measurement procedure is reference to KDB 789033 D02 General UNII Test Procedures New Rules v02r01:

■ **Method AVGPM (Measurement using an RF average power meter):**

EUT is connected to power sensor and record the maximum average output power and duty cycle factor is added when duty cycle presented in section 3.7 is < 98%.

■ **Method AVGSA-2 (Spectrum channel power) for 802.11ac-VHT80/160, 802.11ax-HE80/160 modes only**

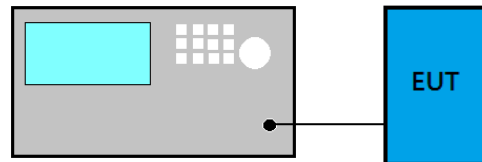
- (1) Set span to at least 1.5 times the OBW
- (2) Set RBW = 1 MHz
- (3) Set the video bandwidth (VBW) $\geq$ 3 MHz.
- (4) Detector = RMS.
- (5) Trace mode = trace average at least 100 traces
- (6) Sweep = auto couple.
- (7) Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges.
- (8) Duty cycle factor is added when duty cycle presented in section 3.7 is < 98%.

8.4. Test Results

Please refer to Appendix A

9. EMISSION/OCCUPIED BANDWIDTH

9.1. Block Diagram of Test Setup



9.2. Specification Limits

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz

9.3. Test Procedure

Following measurement procedure is reference to KDB 789033 D02 General UNII Test Procedures New Rules v02r01:

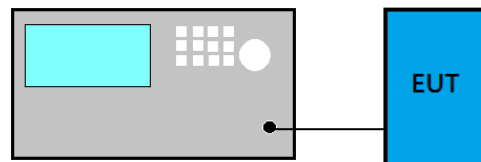
- (1) Set RBW = 1% of the emission bandwidth
- (2) Set VBW > RBW
- (3) Detector = Peak
- (4) Trace mode = max hold
- (5) Setting channel bandwidth function x dB to -26 dB to record the final bandwidth.

9.4. Test Results

Please refer to Appendix A

10. UNDERSIRABLE EMISSIONS LIMITS: SPURIOUS EMISSION (CONDUCTED)

10.1. Block Diagram of Test Setup



10.2. Spurious Emission Specification Limits

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925- 7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

Unless otherwise specified, on any frequency or frequencies above 1000 MHz, the radiated emission limits are based on the use of measurement instrumentation employing an average detector function. Unless otherwise specified, measurements above 1000 MHz shall be performed using a minimum resolution bandwidth of 1 MHz. When average radiated emission measurements are specified in this part, including average emission measurements below 1000 MHz, there also is a limit on the peak level of the radio frequency emissions. Unless otherwise specified, e.g., see FCC Part §§ 15.250, 15.252, 15.253(d), 15.255, 15.256, and 15.509 through 15.519, the limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device, e.g., the total peak power level

10.3. Test Procedure

Please refer to KDB 789033 D02 v02r01 G5

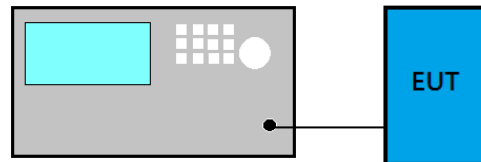
For spurious emission measurements from multiple outputs of a transmitter or from multiple transmitters: Please refer to KDB 662911 E 3) a) (iii).

10.4. Test Results

Please refer to Appendix A

11. IN-BAND EMISSION (CHANNEL MASK)

11.1. Block Diagram of Test Setup



11.2. Specification Limits

For transmitters operating within the 5.925-7.125 GHz bands: Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.

11.3. Test Procedure

Following measurement procedure is reference to KDB 987594 D02 U-NII 6GHz EMC Measurement v01v01:

Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:

- (a) Set the span to encompass the entire 26 dB EBW of the signal.
- (b) Set RBW = same RBW used for 26 dB EBW measurement.
- (c) Set VBW $\geq 3 \times$ RBW
- (d) Number of points in sweep $\geq (2 \times \text{span} / \text{RBW})$.
- (e) Sweep time = auto.
- (f) Detector = RMS (i.e., power averaging)
- (g) Trace average at least 100 traces in power averaging (rms) mode.
- (h) Use the peak search function on the instrument to find the peak of the spectrum.

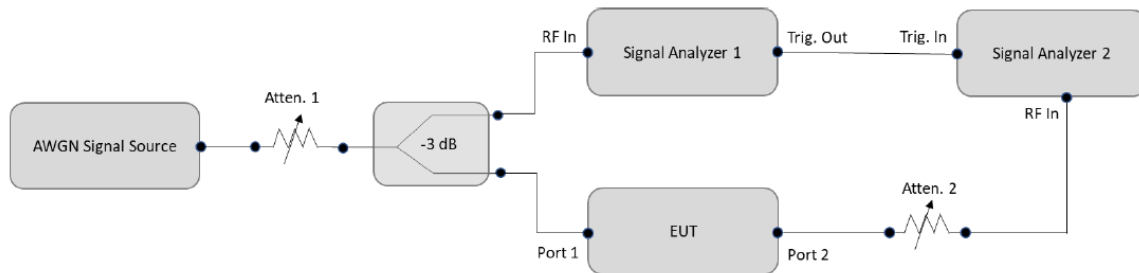
- (1) Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows:
 - (a) Suppressed by 20 dB at 1 MHz outside of the channel edge.
 - (b) Suppressed by 28 dB at one channel bandwidth from the channel center.
 - (c) Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
- (2) Adjust the span to encompass the entire mask as necessary.
- (3) Clear trace.
- (4) Trace average at least 100 traces in power averaging (rms) mode.
- (5) Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask.

11.4. Test Results

Please refer to Appendix A

12. CONTENTION BASED PROTOCOL

12.1. Block Diagram of Test Setup



12.2. Specification Limits

Indoor access points, subordinate devices and client devices operating in the 5.925-7.125 GHz band must employ a contention-based protocol

FCC KDB 987594 D02 U-NII 6GHz EMC Measurement v01v01

Unlicensed low-power indoor devices must detect co-channel radio frequency power that is at least -62 dBm or lower. Upon detection of energy in the band, unlicensed low power indoor devices must vacate the channel (in which incumbent signal is transmitted) and stay off the incumbent channel as long as detected radio frequency power is equal to or greater than the threshold (-62 dBm)¹. The -62 dBm (or lower) threshold is referenced to a 0 dBi antenna gain

To ensure incumbent operations are reliably detected in the band, low power indoor devices must detect RF energy throughout their intended operating channel. For example, an 802.11 device that plans to transmit a 40 MHz- wide signal (on a primary 20 MHz channel and a secondary 20 MHz channel) must detect energy throughout the entire 40 MHz channel. Additionally, low-power indoor devices must detect co-channel energy with 90% or greater certainty.

Table 1. Criteria to determine number of times detection threshold test may be performed

If	Number of Tests	Placement of Incumbent Transmission
$BW_{EUT} \leq BW_{Inc}$	One	Tune incumbent and EUT transmission ($f_{c1} = f_{c2}$)
$BW_{Inc} < BW_{EUT} \leq 2BW_{Inc}$	One	Incumbent transmission is contained within BW_{EUT}
$2BW_{Inc} < BW_{EUT} \leq 4BW_{Inc}$	Twice. Incumbent transmission is contained within BW_{EUT}	Incumbent transmission is located as closely as possible to the lower edge and upper edge, respectively, of the EUT channel
$BW_{EUT} > 4BW_{Inc}$	Three times	Incumbent transmission is located as closely as possible to the lower edge of the EUT channel, in the middle of EUT channel, and as closely as possible to the upper edge of the EUT channel

Where:

BW_{EUT} : Transmission bandwidth of EUT signal

BW_{Inc} : Transmission bandwidth of the simulated incumbent signal (10 MHz wide AWGN signal)

f_{c1} : Center frequency of EUT transmission

f_{c2} : Center frequency of simulated incumbent signal

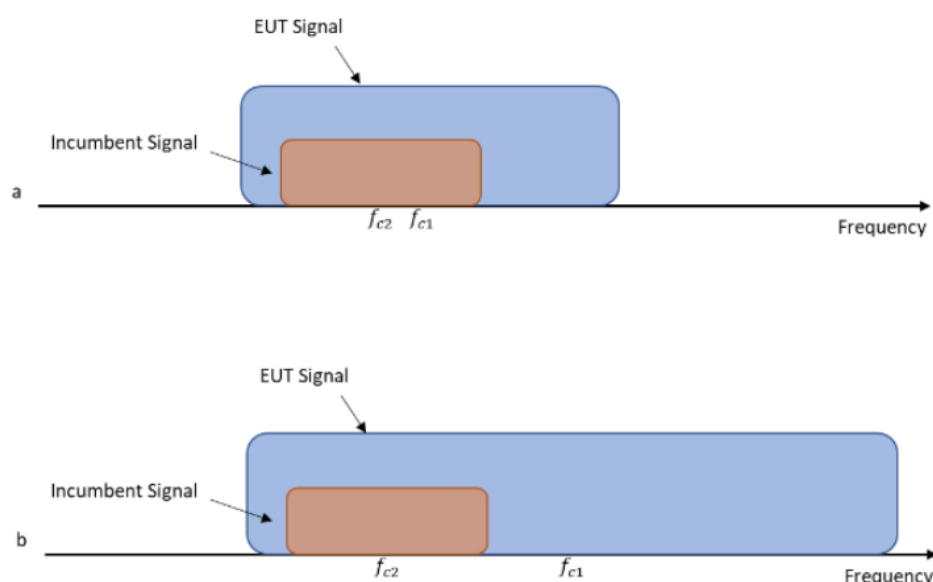


Figure 1. Two possible scenarios where a) center frequency of EUT transmission falls within incumbent's bandwidth, or b) outside of it

12.3. Test Procedure

Following measurement procedure is reference to KDB 987594 D02 U-NII 6GHz EMC Measurement v01v01:

- (1) To ensure EUT reliably detects an incumbent signal in both scenarios shown in Figure 1, the detection threshold test may be repeated more than once with the incumbent signal (having center frequency f_{c2}) tuned to different center frequencies within the EUT transmission bandwidth. The criteria specified in Table 1 determines how many times the detection threshold test must be performed
- (2) Using an AWGN signal source, generate (but do not transmit, i.e., RF OFF) a 10 MHz-wide AWGN signal. Use Table 1 to determine the center frequency of the 10 MHz AWGN signal relative to the EUT's channel bandwidth and center frequency.
- (3) Monitor the signal analyzer to verify if the AWGN signal has been detected and the EUT has ceased transmission. If the EUT continues to transmit, then incrementally increase the AWGN signal power level until the EUT stops transmitting.
- (4) (Including all losses in the RF paths) Determine and record the AWGN signal power level (at the EUT's antenna port) at which the EUT ceased transmission. Repeat the procedure at least 10 times to verify the EUT can detect an AWGN signal with 90% (or better) level of certainty.
- (5) Refer to Table 1 to determine number of times the detection threshold testing needs to be repeated. If testing is required more than once, then go back to step 2, choose a different center frequency for the AWGN signal and repeat the process.
- (6) The test tool is "LAN test" to let the EUT to transmit with a constant duty cycle.

12.4. Test Results

Please refer to Appendix A



13.DEVIATION TO TEST SPECIFICATIONS

【NONE】



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APPENDIX A

TEST DATA AND PLOTS

(Model: WCHB41M)

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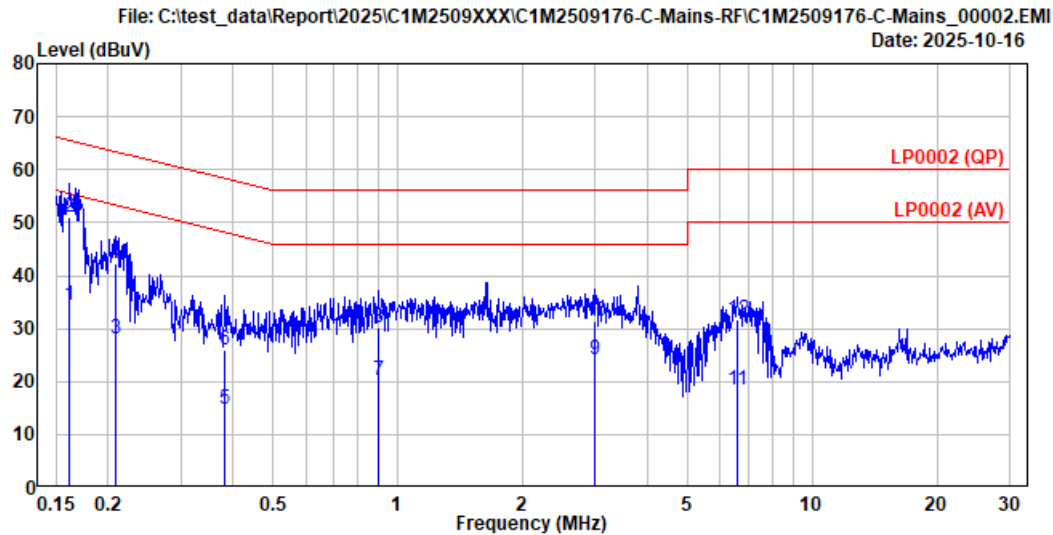
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A.1 CONDUCTED EMISSION

Test Date	2025/10/16	Temp./Hum.	24°C/61%
Test Voltage	DC 5V (Through jig via Notebook PC)	Tested By	Bruce Tseng



Site No.	: No.7 Shielded Room	Data No.	: 2
Instrument 1	: Receiver ESR(114)		
Instrument 2	: ESH2-Z5 (366)(A) CE-07 ESH3-Z2 (495)		
Limit	: LP0002 (QP)	Phase	: Neutral
Environment	: 24°C/61%	Test Rating	: 5Vdc
EUT Model	: WCHB41M	Engineer	: Bruce
Test Mode	: Operating		

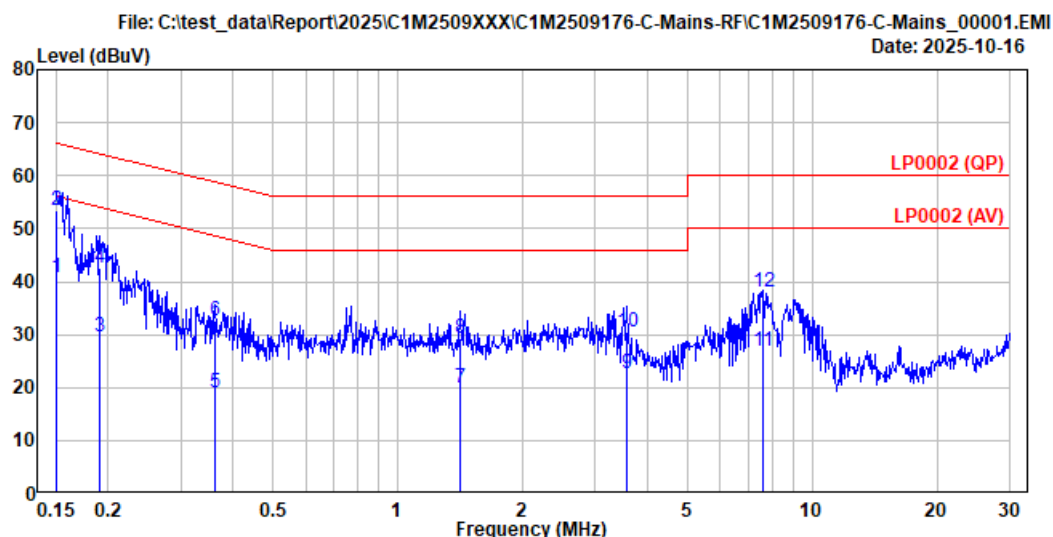
	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.162	0.17	0.05	9.86	24.28	34.36	55.38	21.02	Average
2	0.162	0.17	0.05	9.86	40.84	50.92	65.38	14.46	QP
3	0.208	0.17	0.05	9.87	17.94	28.03	53.27	25.24	Average
4	0.208	0.17	0.05	9.87	32.22	42.31	63.27	20.96	QP
5	0.383	0.17	0.05	9.86	4.84	14.92	48.22	33.30	Average
6	0.383	0.17	0.05	9.86	16.01	26.09	58.22	32.13	QP
7	0.898	0.20	0.06	9.87	9.95	20.08	46.00	25.92	Average
8	0.898	0.20	0.06	9.87	20.01	30.14	56.00	25.86	QP
9	2.985	0.25	0.10	9.87	13.99	24.21	46.00	21.79	Average
10	2.985	0.25	0.10	9.87	21.03	31.25	56.00	24.75	QP
11	6.593	0.29	0.14	9.89	8.17	18.49	50.00	31.51	Average
12	6.593	0.29	0.14	9.89	21.26	31.58	60.00	28.42	QP

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

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Test Date	2025/10/16	Temp./Hum.	25°C/52%
Test Voltage	DC 5V (Through jig via Notebook PC)	Tested By	Nick Du



Site No.	: No.7 Shielded Room	Data No.	: 1
Instrument 1	: Receiver ESR(114)		
Instrument 2	: ESH2-Z5 (366)(A) CE-07 ESH3-Z2 (495)		
Limit	: LP0002 (QP)	Phase	: Line
Environment	: 24°C/61%	Test Rating	: 5Vdc
EUT Model	: WCHB41M	Engineer	: Bruce
Test Mode	: Operating		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.150	0.14	0.05	9.86	30.66	40.71	56.00	15.29	Average
2	0.150	0.14	0.05	9.86	43.34	53.39	66.00	12.61	QP
3	0.191	0.14	0.05	9.87	19.54	29.60	54.01	24.41	Average
4	0.191	0.14	0.05	9.87	32.62	42.68	64.01	21.33	QP
5	0.362	0.14	0.05	9.86	8.90	18.95	48.67	29.72	Average
6	0.362	0.14	0.05	9.86	22.44	32.49	58.67	26.18	QP
7	1.413	0.18	0.07	9.87	9.95	20.07	46.00	25.93	Average
8	1.413	0.18	0.07	9.87	19.23	29.35	56.00	26.65	QP
9	3.571	0.23	0.11	9.87	12.55	22.76	46.00	23.24	Average
10	3.571	0.23	0.11	9.87	20.38	30.59	56.00	25.41	QP
11	7.618	0.25	0.15	9.89	16.68	26.97	50.00	23.03	Average
12	7.618	0.25	0.15	9.89	27.88	38.17	60.00	21.83	QP

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

A.2 RADIATED EMISSION

Test Date	2025/10/16 ~ 21	Temp./Hum.	22 ~ 26°C/51 ~ 58%
Test Voltage	DC 5V (Through jig via Notebook PC)	Tested By	Kuper Hsu

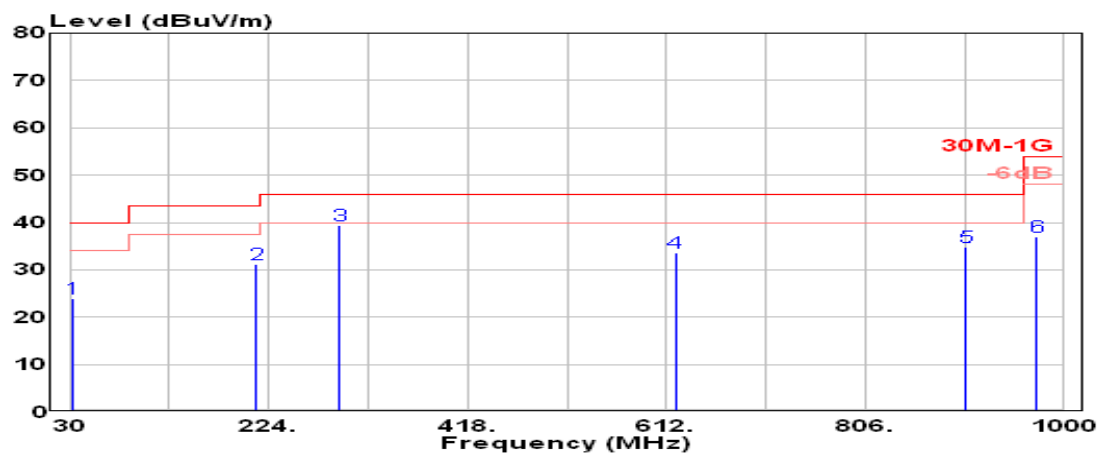
A.2.1 Emissions within Restricted Frequency Bands

A.2.1.1 Frequency 9kHz~30MHz

The emissions (9kHz~30MHz) not reported for there is no emission be found.

A.2.1.2 Frequency Below 1GHz

Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 6165MHz



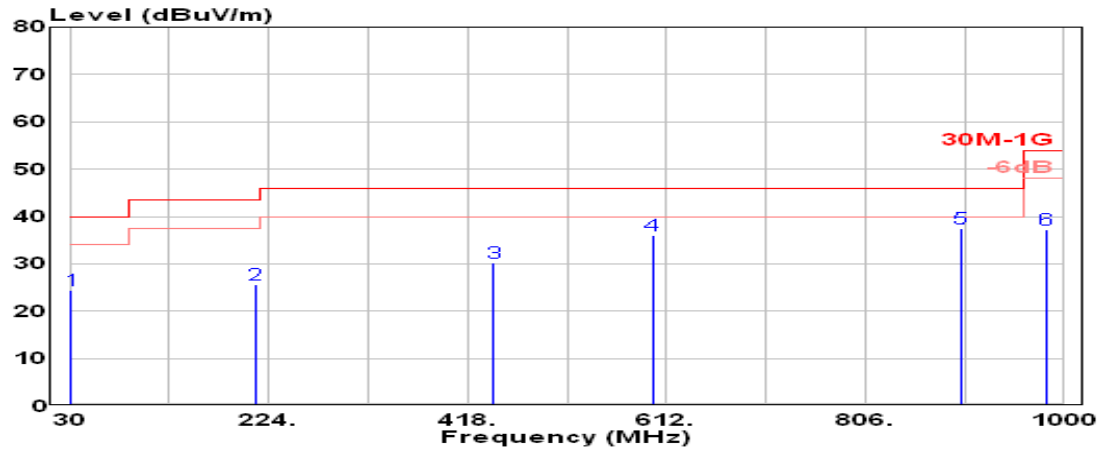
Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
32.000	22.77	1.44	26.47	26.17	23.91	40.00	16.09	Peak
211.500	16.01	3.80	25.76	37.26	31.31	43.50	12.19	Peak
293.500	19.11	4.62	25.61	41.19	39.31	46.00	6.69	Peak
620.500	24.34	7.24	27.39	29.42	33.62	46.00	12.38	Peak
904.000	26.46	8.84	26.99	26.39	34.71	46.00	11.29	Peak
973.000	26.93	9.23	26.78	27.63	37.02	54.00	16.98	Peak

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Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 6165MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
31.500	22.99	1.43	26.47	26.38	24.34	40.00	15.66	Peak
210.500	15.94	3.79	25.77	31.70	25.66	43.50	17.84	Peak
443.000	22.19	6.46	26.72	28.28	30.22	46.00	15.78	Peak
599.000	24.27	7.13	27.38	31.98	36.01	46.00	9.99	Peak
899.000	26.40	8.81	27.00	29.23	37.44	46.00	8.56	Peak
982.000	26.99	9.28	26.75	27.72	37.24	54.00	16.76	Peak

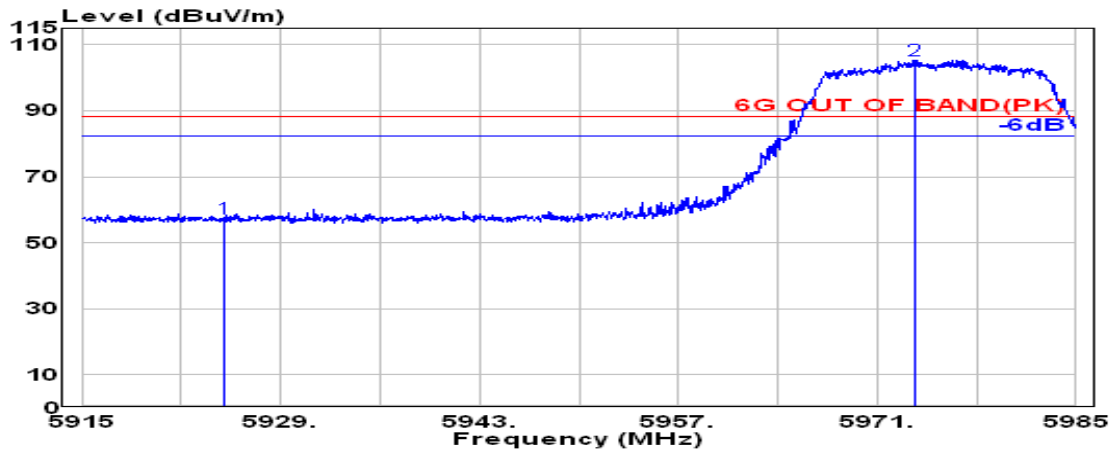
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A.2.1.3 Band Edge

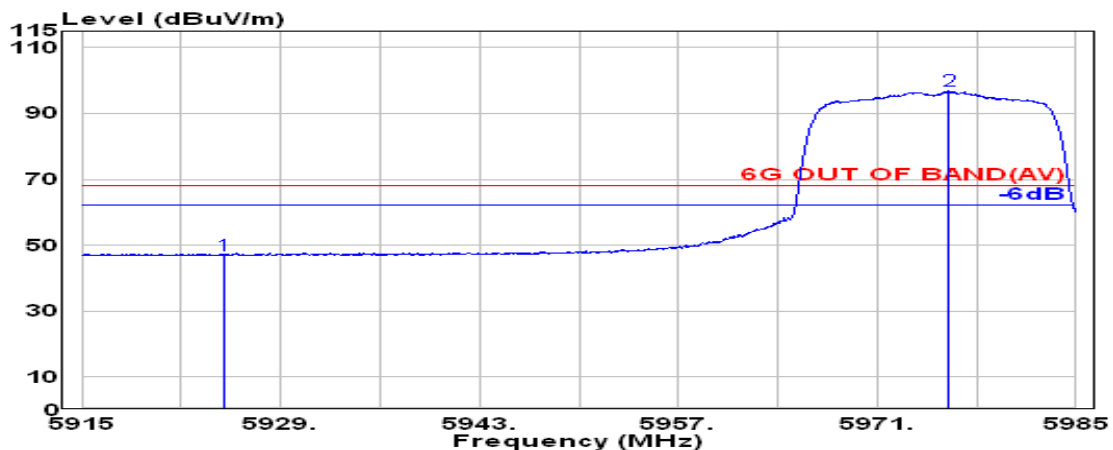
● OFDM Modulation

Mode	802.11a	U-NII Band	5
		Frequency	TX 5975MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	53.51	57.43	88.20	30.77	Peak
@ 5973.600	33.85	9.17	39.21	101.54	105.34	---	---	Peak



Antenna at Horizontal Polarization

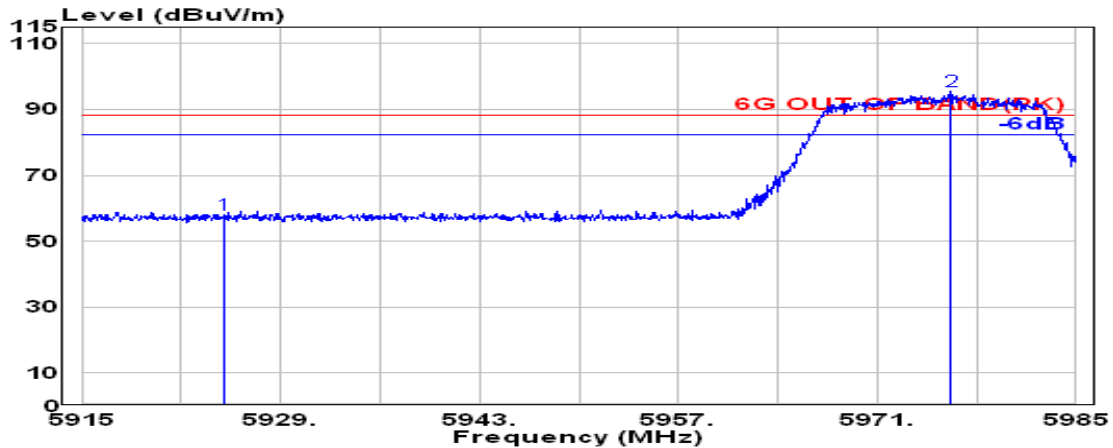
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	43.12	47.04	68.20	21.16	Average
@ 5976.000	33.85	9.17	39.21	92.97	96.78	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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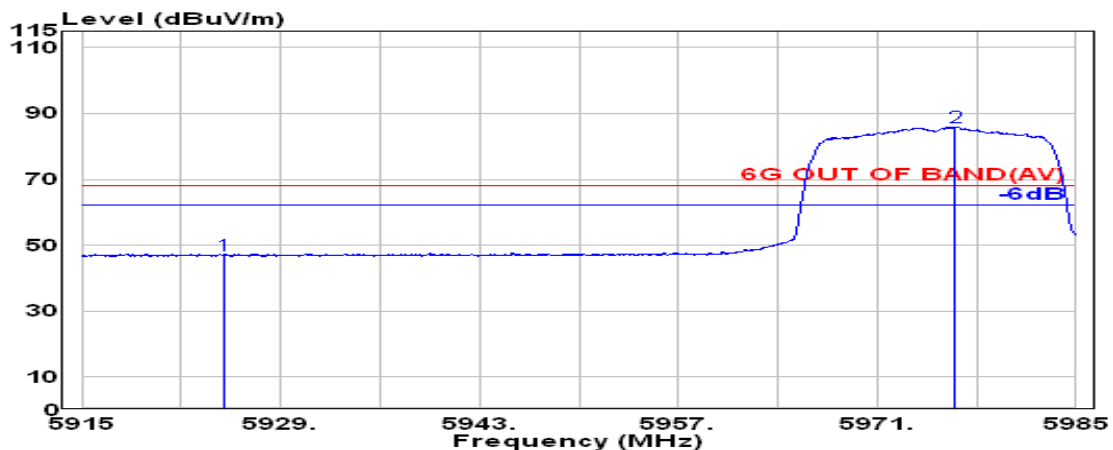
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Mode	802.11a	U-NII Band	5
		Frequency	TX 5975MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	53.97	57.89	88.20	30.31	Peak
@ 5976.200	33.85	9.17	39.21	91.63	95.43	---	---	Peak



Antenna at Vertical Polarization

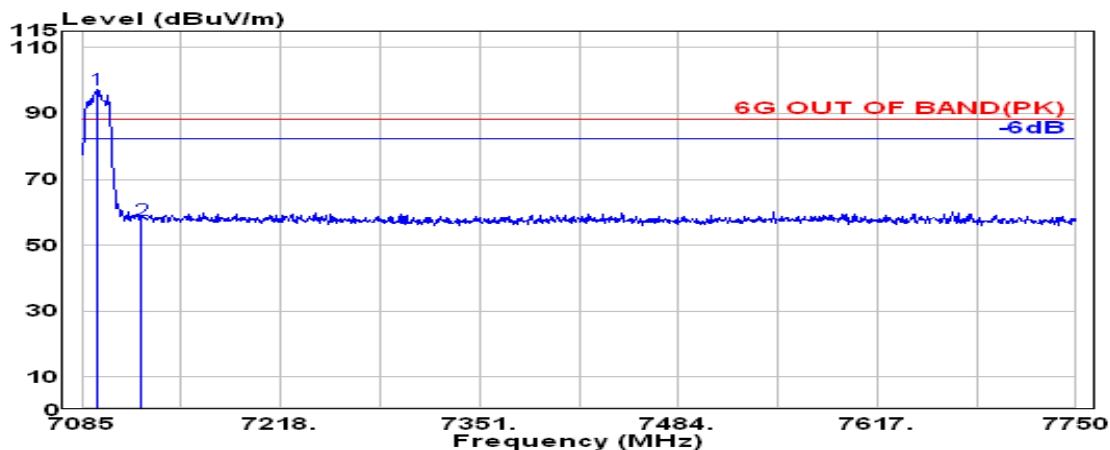
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	42.97	46.90	68.20	21.30	Average
@ 5976.500	33.85	9.17	39.21	82.15	85.96	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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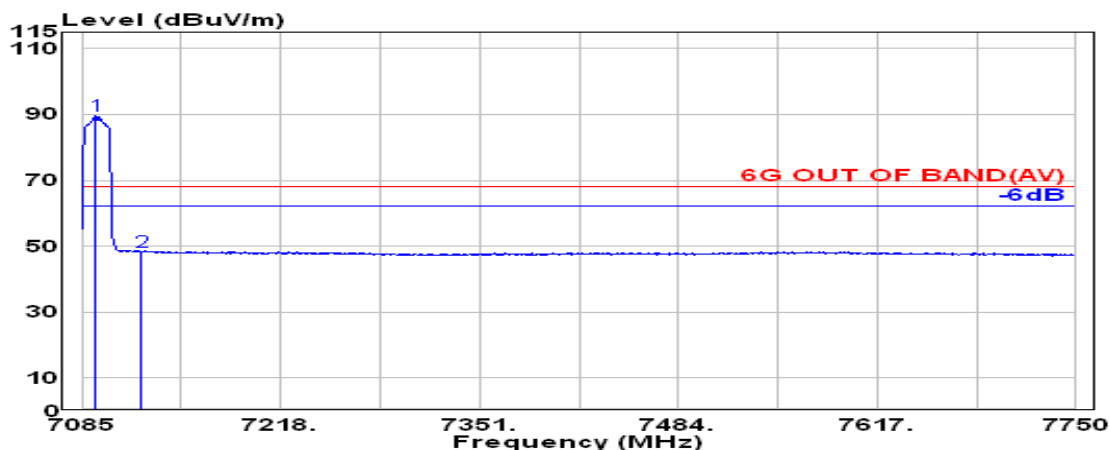
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Mode	802.11a	U-NII Band	8
		Frequency	TX 7095MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7095.000	35.67	10.19	39.40	90.99	97.46	---	---	Peak
7125.000	35.80	10.21	39.41	51.20	57.80	88.20	30.40	Peak



Antenna at Horizontal Polarization

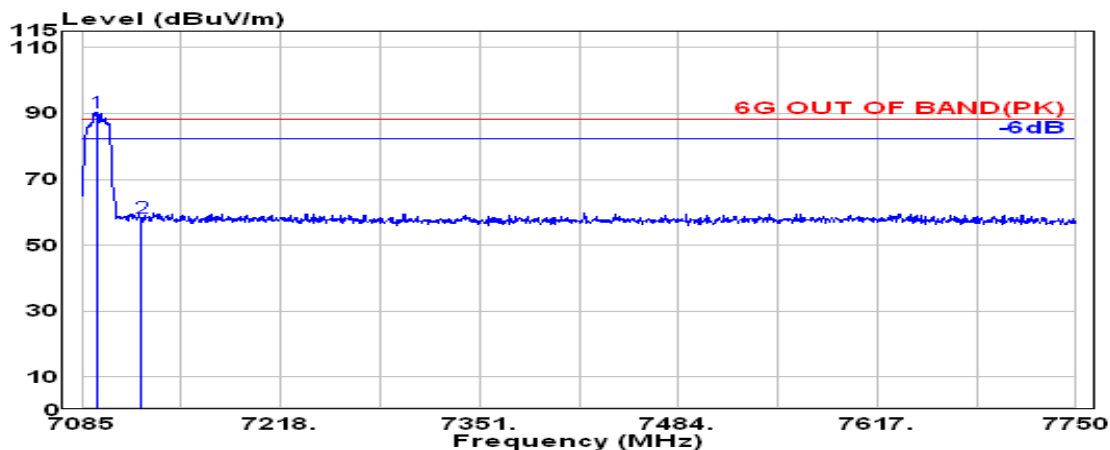
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7094.000	35.66	10.19	39.40	83.13	89.59	---	---	Average
7125.000	35.80	10.21	39.41	41.81	48.41	68.20	19.79	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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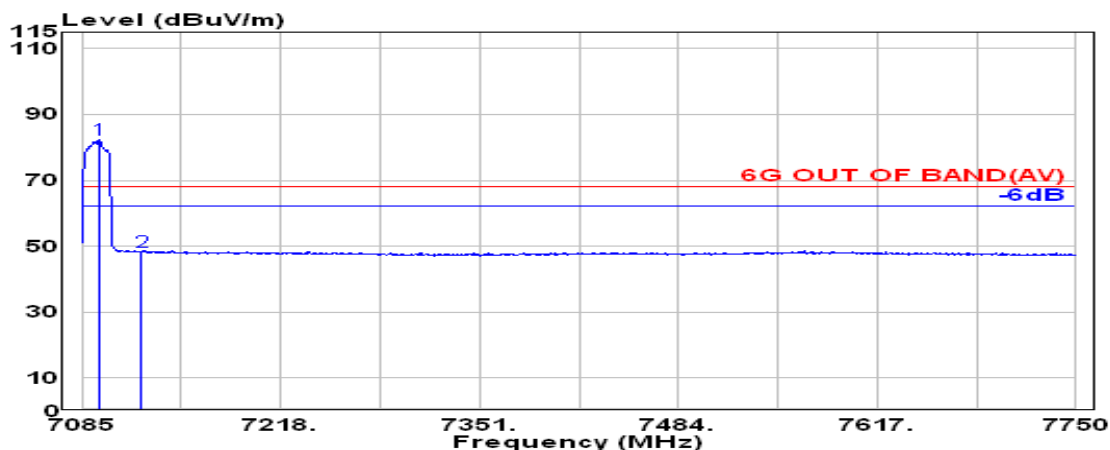
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Mode	802.11a	U-NII Band	8
		Frequency	TX 7095MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7095.000	35.67	10.19	39.40	83.76	90.23	---	---	Peak
7125.000	35.80	10.21	39.41	51.87	58.47	88.20	29.73	Peak



Antenna at Vertical Polarization

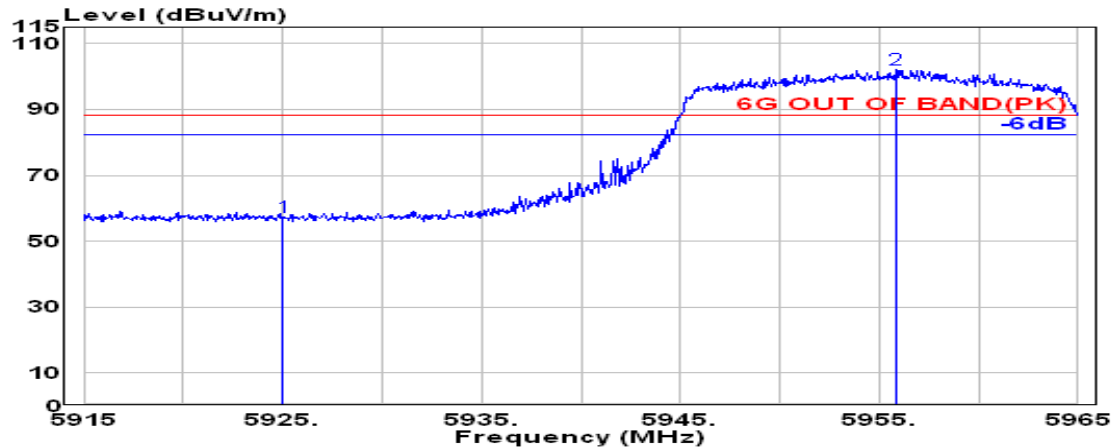
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7096.000	35.68	10.19	39.40	75.79	82.26	---	---	Average
7125.000	35.80	10.21	39.41	41.65	48.26	68.20	19.94	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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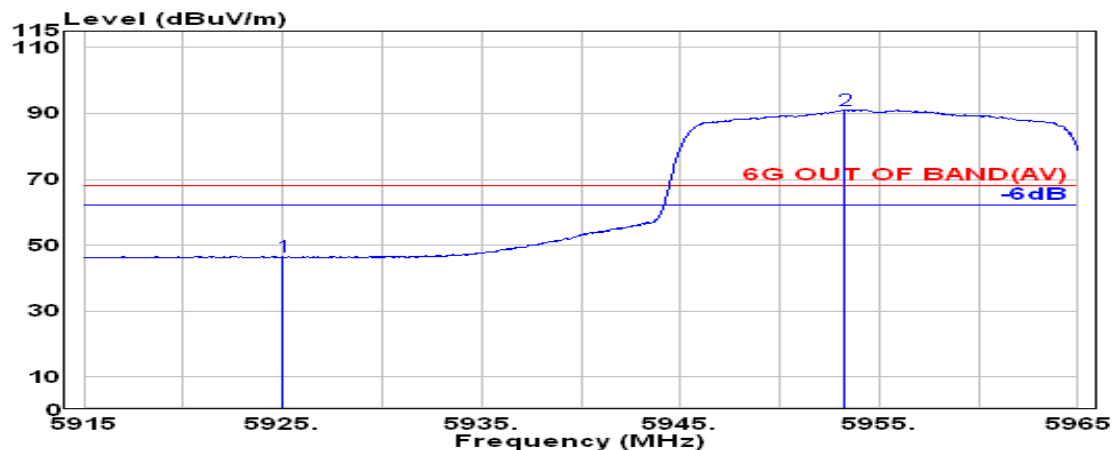
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Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	53.56	57.48	88.20	30.72	Peak
@ 5955.800	33.81	9.15	39.21	98.35	102.10	---	---	Peak

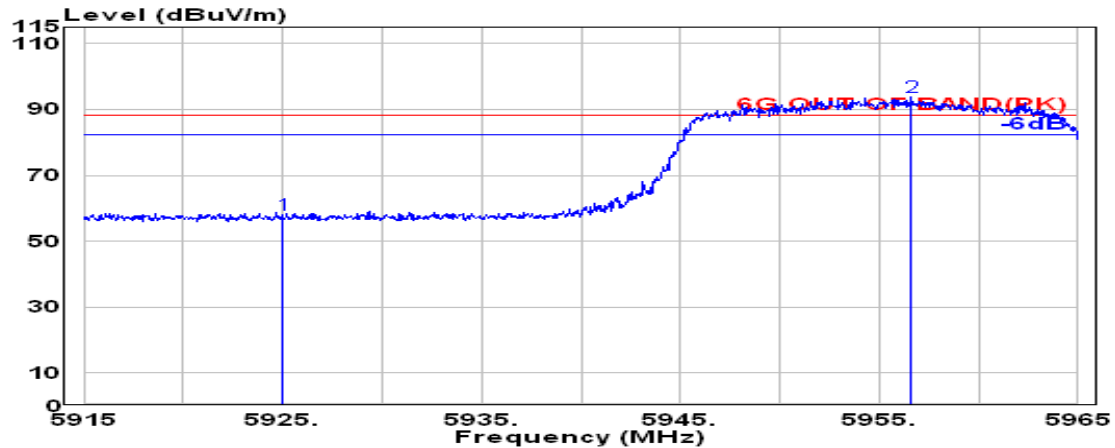


Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	42.50	46.42	68.20	21.78	Average
@ 5953.250	33.81	9.15	39.21	87.35	91.10	---	---	Average

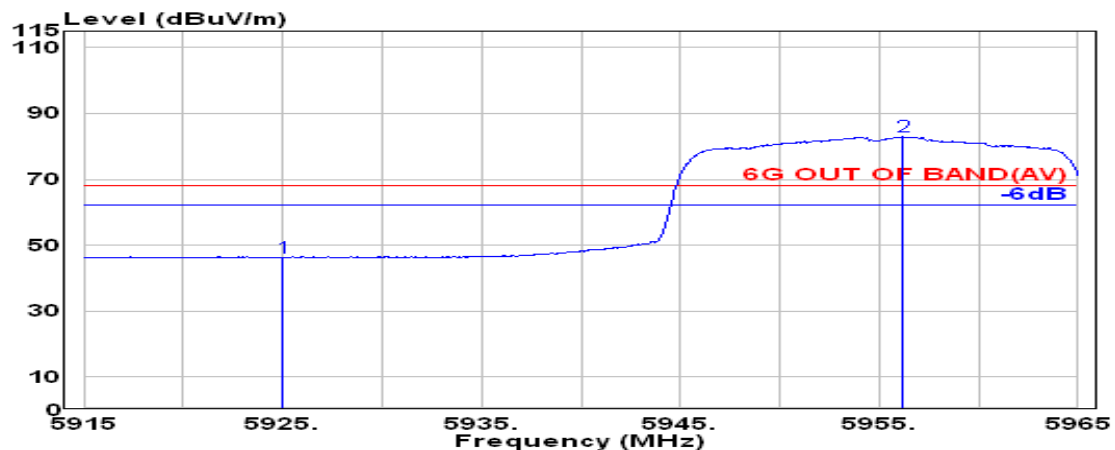
Remark: The “@” means fundamental frequency, it is ignored in this section.

Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	53.95	57.87	88.20	30.33	Peak
@ 5956.600	33.81	9.15	39.21	90.15	93.90	---	---	Peak



Antenna at Vertical Polarization

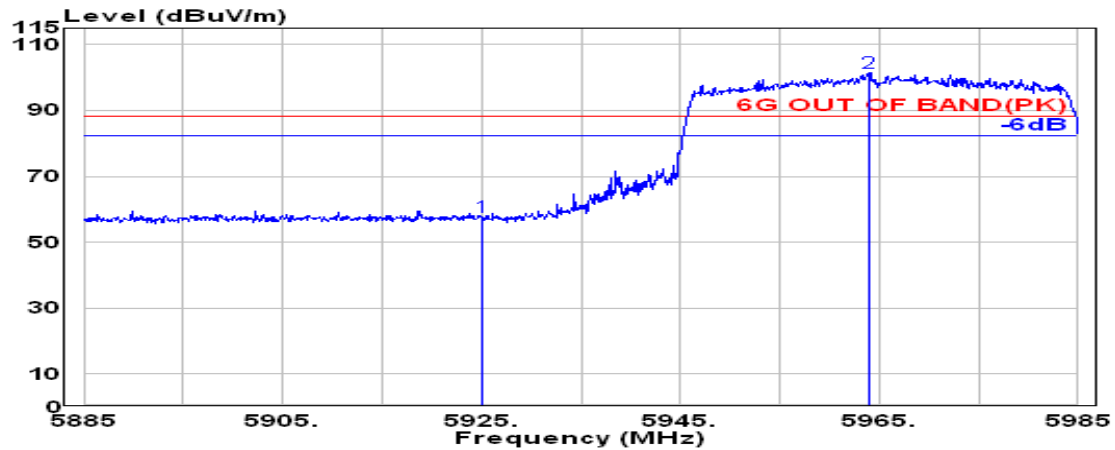
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	42.38	46.30	68.20	21.90	Average
@ 5956.200	33.81	9.15	39.21	79.21	82.96	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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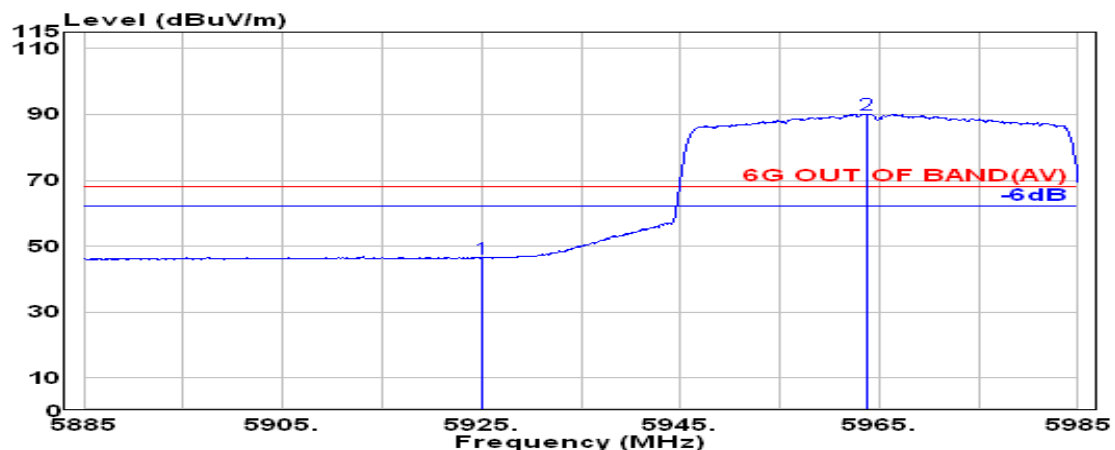
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Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 5965MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	53.88	57.80	88.20	30.40	Peak
@ 5963.900	33.83	9.16	39.21	97.73	101.50	---	---	Peak



Antenna at Horizontal Polarization

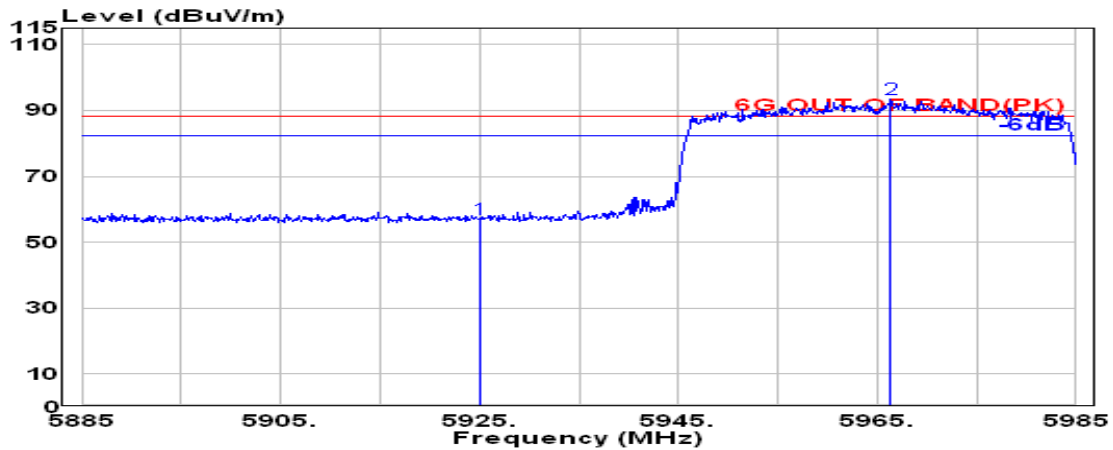
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	42.38	46.30	68.20	21.90	Average
@ 5963.700	33.83	9.16	39.21	86.38	90.16	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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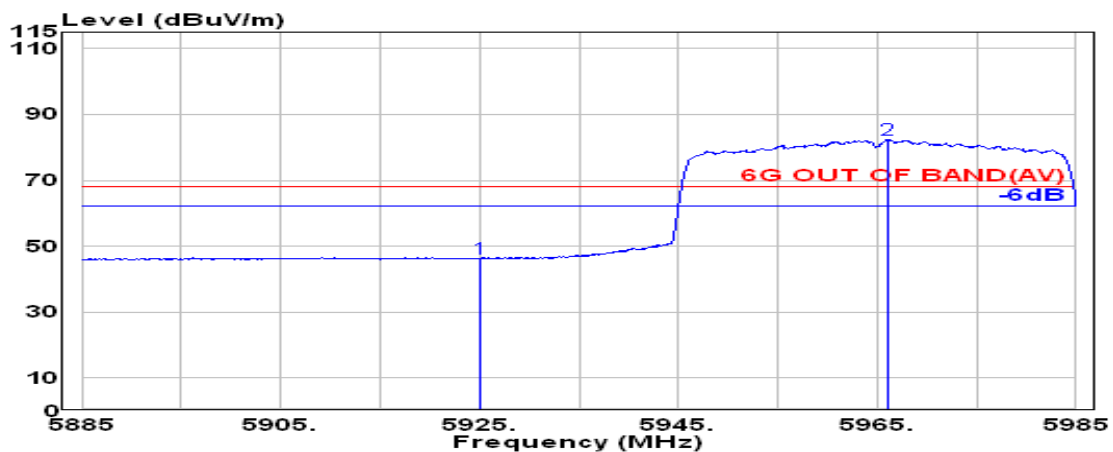
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Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 5965MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	52.92	56.84	88.20	31.36	Peak
@ 5966.300	33.83	9.16	39.21	89.69	93.48	---	---	Peak



Antenna at Vertical Polarization

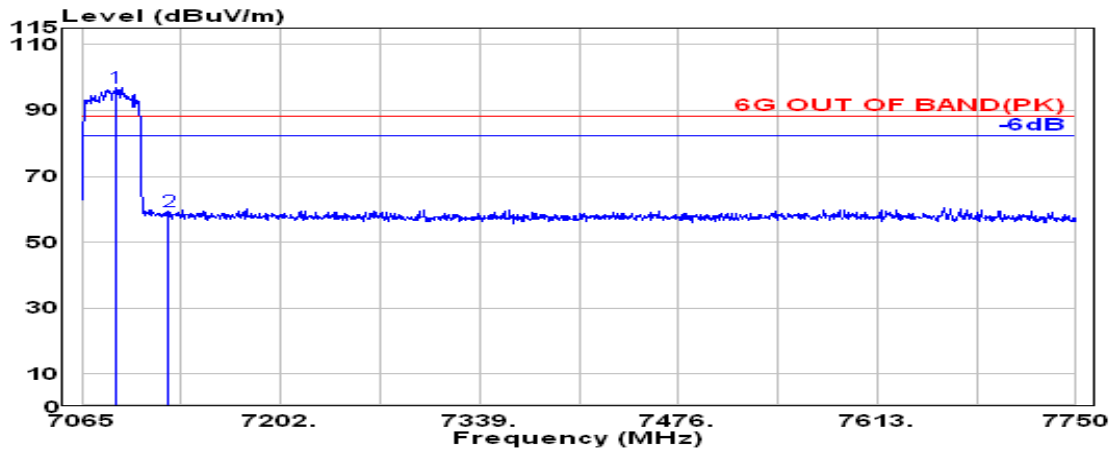
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	42.32	46.24	68.20	21.96	Average
@ 5966.000	33.83	9.16	39.21	78.63	82.41	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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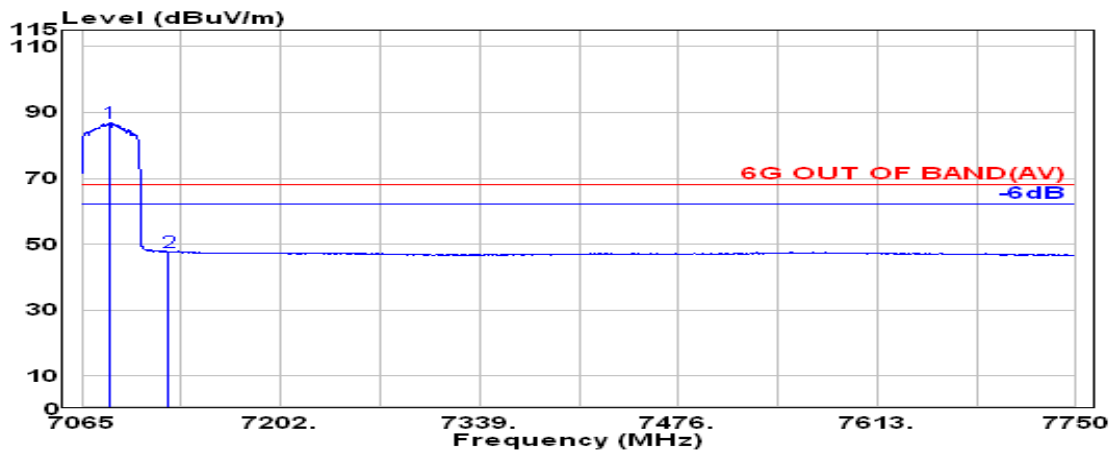
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Mode	802.11ax-HE40	U-NII Band	8
		Frequency	TX 7085MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7088.000	35.63	10.19	39.40	90.62	97.04	---	---	Peak
7125.000	35.80	10.21	39.41	52.84	59.44	88.20	28.76	Peak



Antenna at Horizontal Polarization

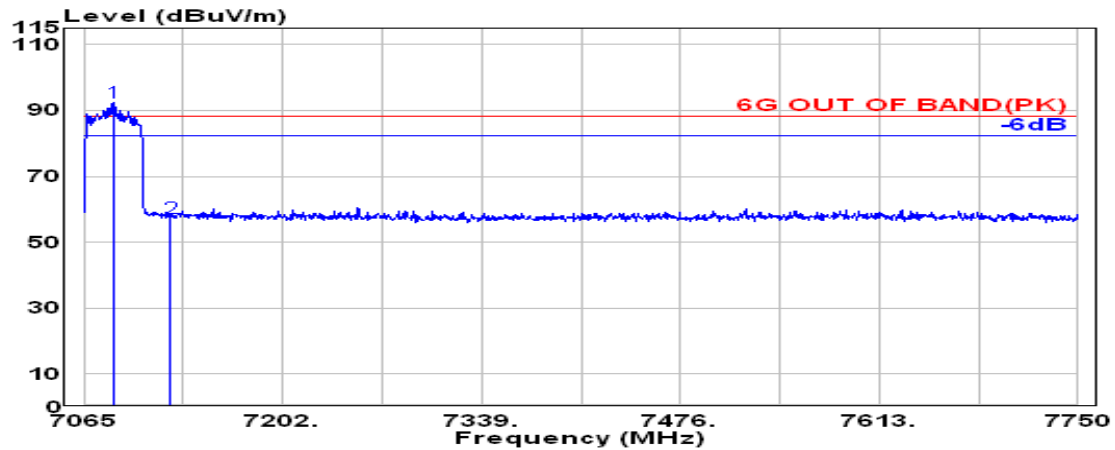
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7083.500	35.60	10.19	39.40	80.53	86.93	---	---	Average
7125.000	35.80	10.21	39.41	41.03	47.63	68.20	20.57	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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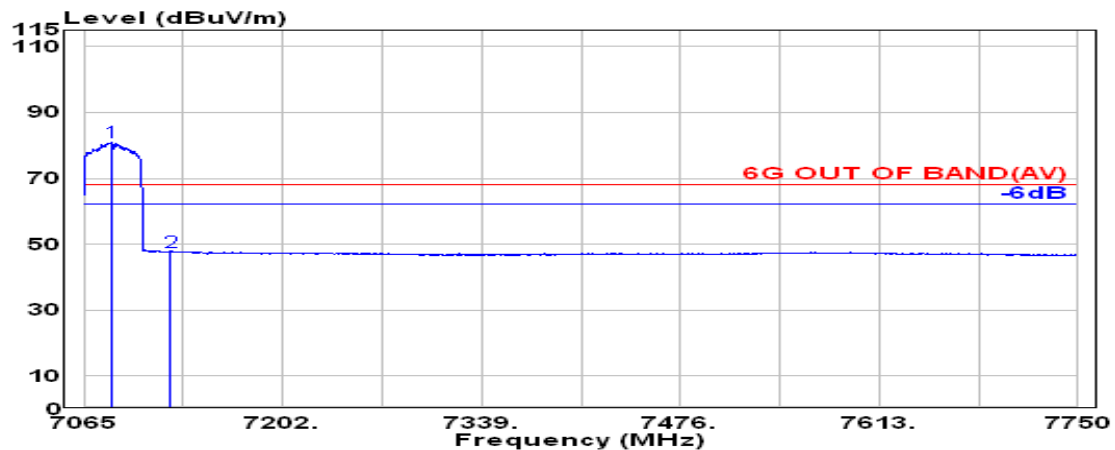
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Mode	802.11ax-HE40	U-NII Band	8
		Frequency	TX 7085MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7085.000	35.61	10.19	39.40	86.19	92.59	---	---	Peak
7125.000	35.80	10.21	39.41	50.61	57.21	88.20	30.99	Peak



Antenna at Vertical Polarization

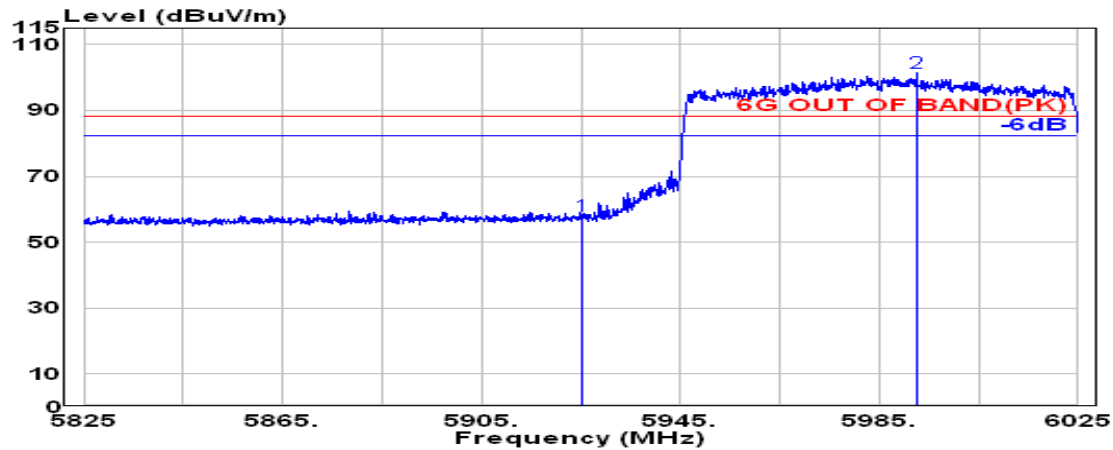
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7084.000	35.60	10.19	39.40	74.62	81.01	---	---	Average
7125.000	35.80	10.21	39.41	41.13	47.73	68.20	20.47	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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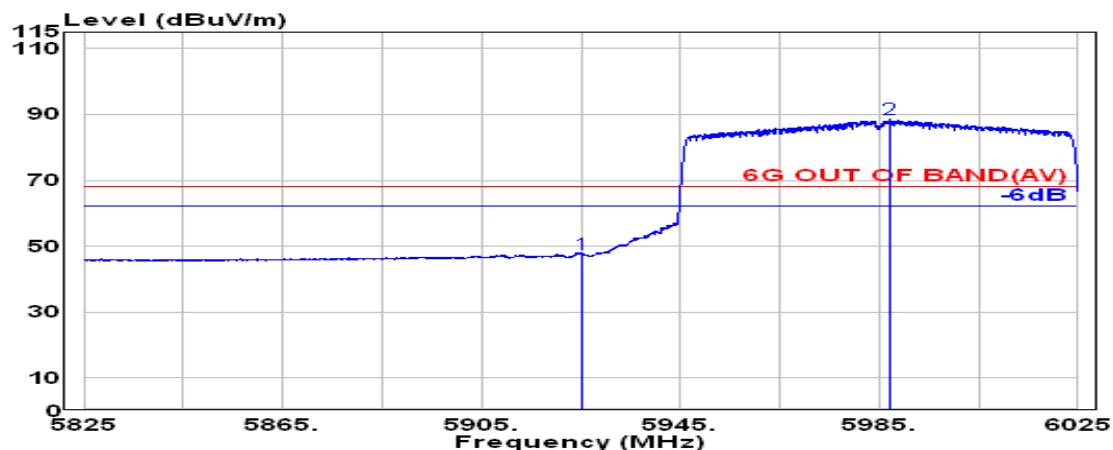
Tel: +886 2 26099301
Fax: +886 2 26099303

Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 5985MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	54.06	57.98	88.20	30.22	Peak
@ 5992.500	33.89	9.18	39.22	97.49	101.34	---	---	Peak



Antenna at Horizontal Polarization

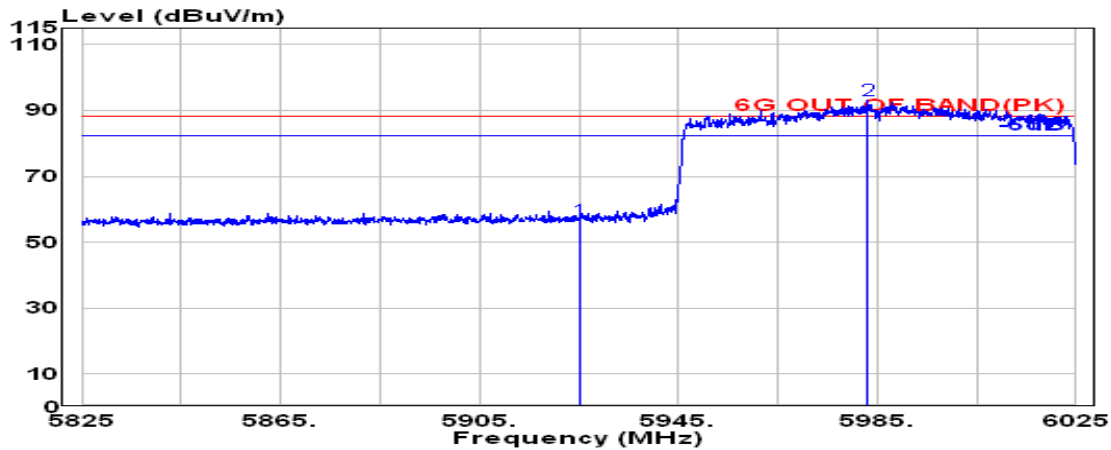
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	43.82	47.74	68.20	20.46	Average
@ 5987.100	33.87	9.18	39.22	84.79	88.63	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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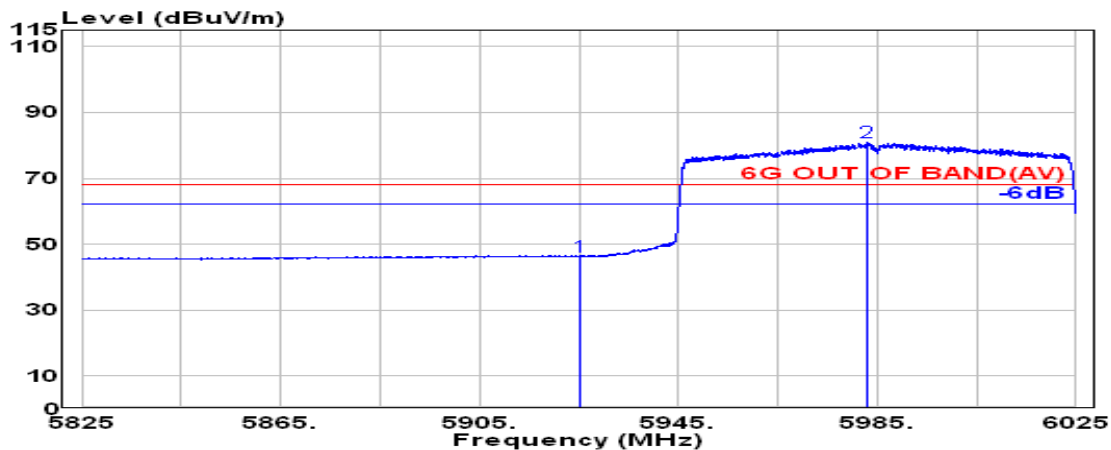
Tel: +886 2 26099301
Fax: +886 2 26099303

Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 5985MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	52.86	56.78	88.20	31.42	Peak
@ 5983.100	33.87	9.17	39.22	89.39	93.21	---	---	Peak



Antenna at Vertical Polarization

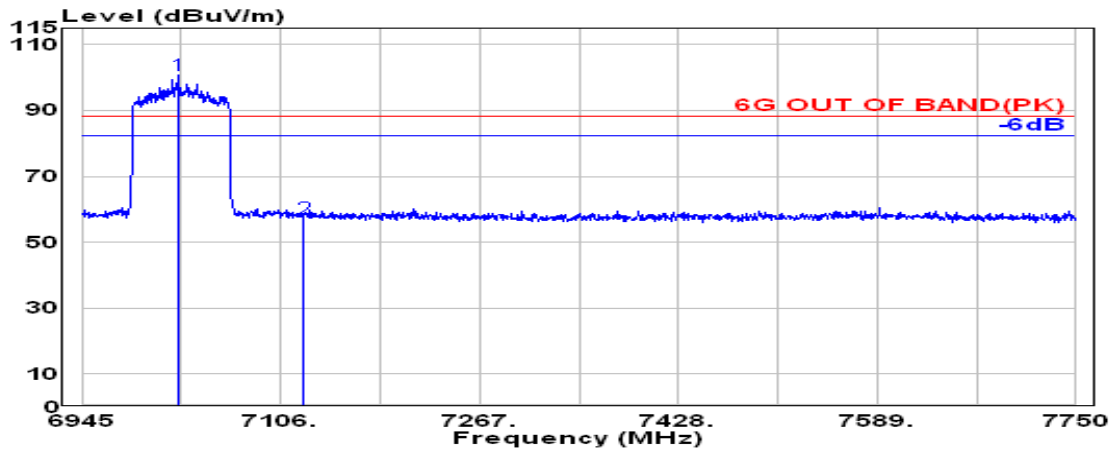
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	34.00	9.12	39.20	42.38	46.30	68.20	21.90	Average
@ 5982.900	33.87	9.17	39.22	76.98	80.81	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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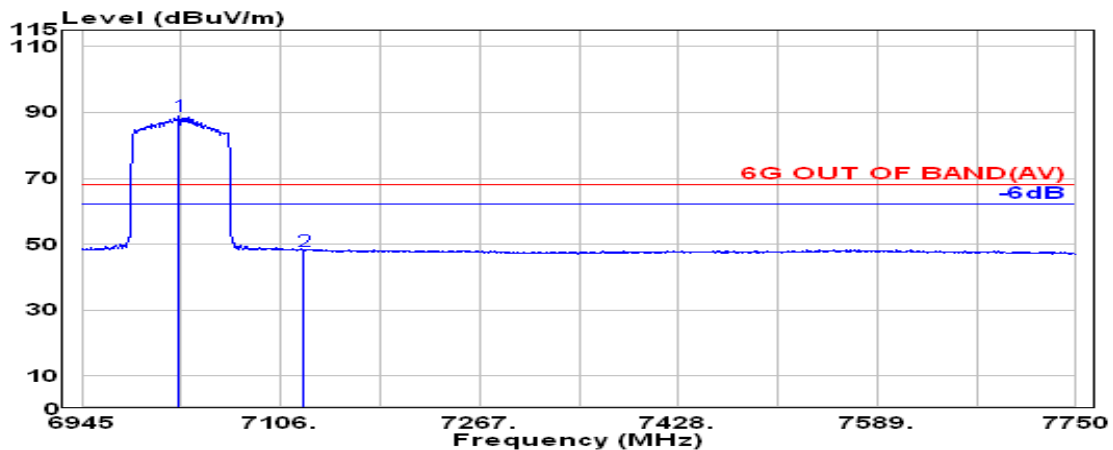
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Fax: +886 2 26099303

Mode	802.11ax-HE80	U-NII Band	8
		Frequency	TX 7025MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7023.000	35.45	10.15	39.38	94.46	100.69	---	---	Peak
7125.000	35.80	10.21	39.41	50.76	57.36	88.20	30.84	Peak



Antenna at Horizontal Polarization

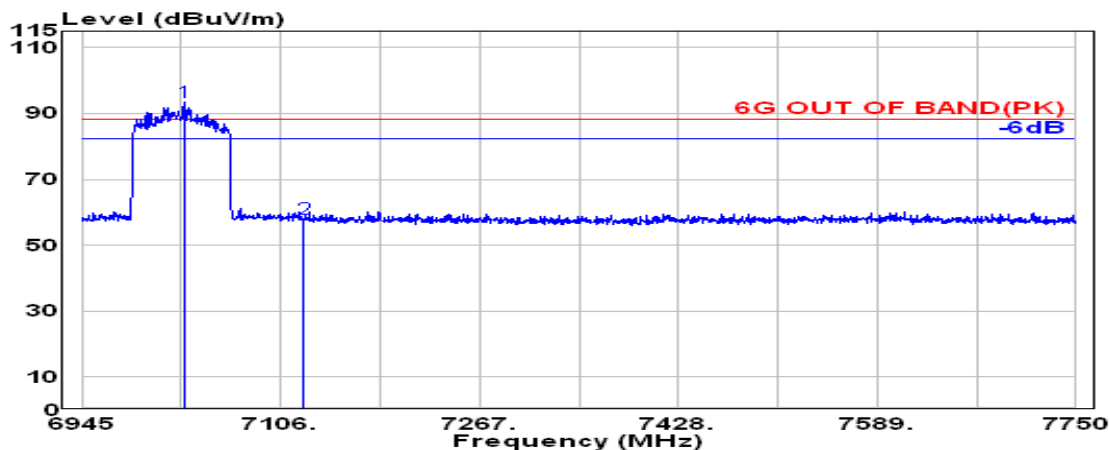
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7023.500	35.45	10.15	39.38	82.69	88.92	---	---	Average
7125.000	35.80	10.21	39.41	41.53	48.13	68.20	20.07	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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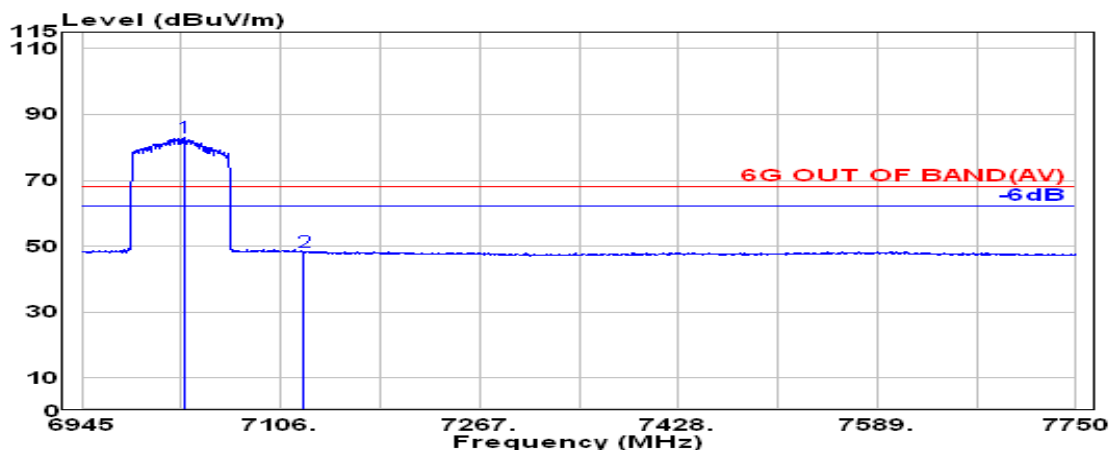
Tel: +886 2 26099301
Fax: +886 2 26099303

Mode	802.11ax-HE80	U-NII Band	8
		Frequency	TX 7025MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7027.500	35.44	10.16	39.38	87.22	93.44	---	---	Peak
7125.000	35.80	10.21	39.41	51.57	58.17	88.20	30.03	Peak



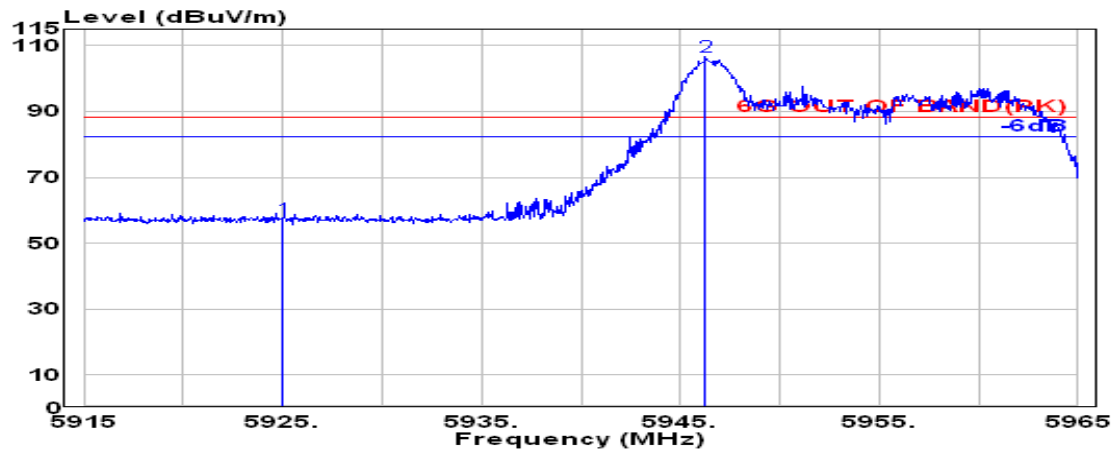
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7027.500	35.44	10.16	39.38	76.74	82.96	---	---	Average
7125.000	35.80	10.21	39.41	41.55	48.16	68.20	20.04	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

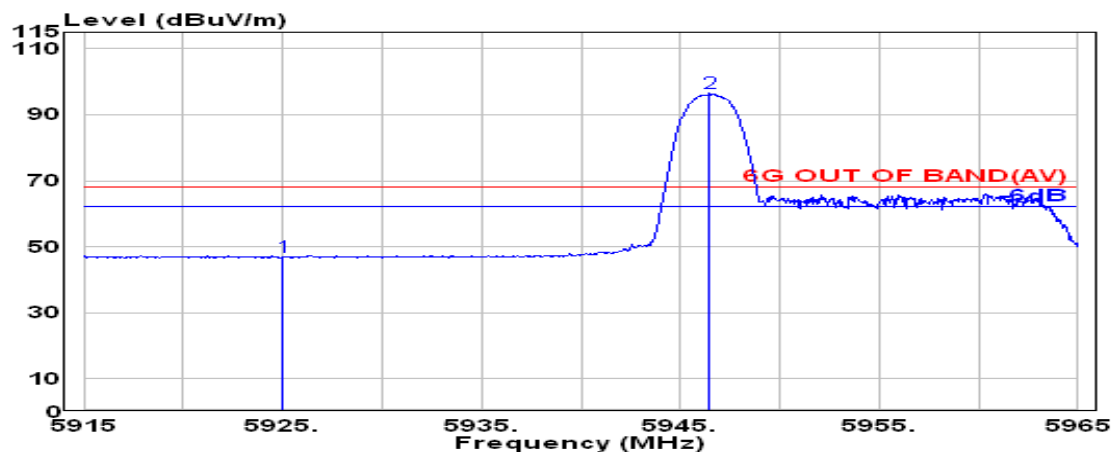
● OFDMA Modulation

Tones	26T	RU Index	0
Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	46.09	57.22	88.20	30.98	Peak
@ 5946.250	35.41	10.02	34.38	95.76	106.82	---	---	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.87	47.00	68.20	21.20	Average
@ 5946.450	35.41	10.02	34.38	85.42	96.48	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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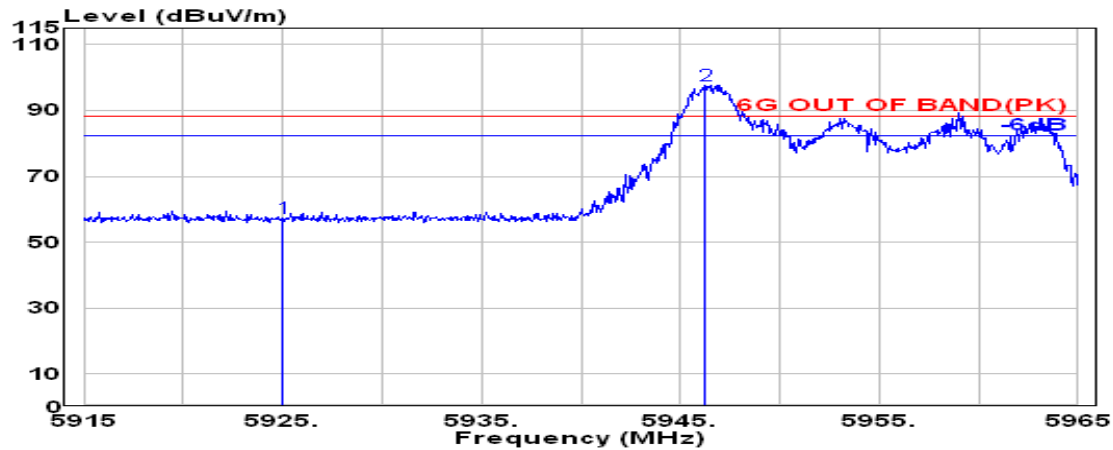
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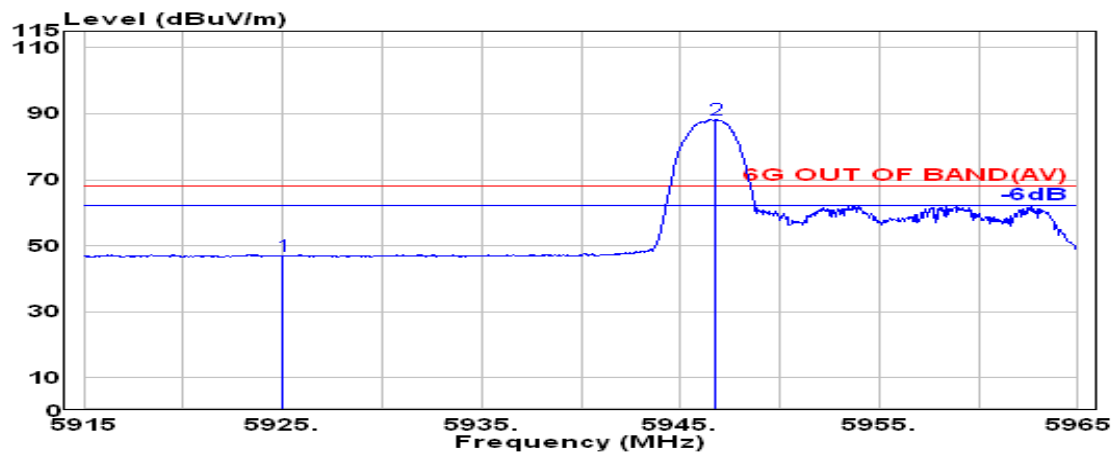
Fax: +886 2 26099303

Tones	26T	RU Index	0
Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	46.05	57.19	88.20	31.01	Peak
@ 5946.250	35.41	10.02	34.38	86.72	97.78	---	---	Peak



Antenna at Vertical Polarization

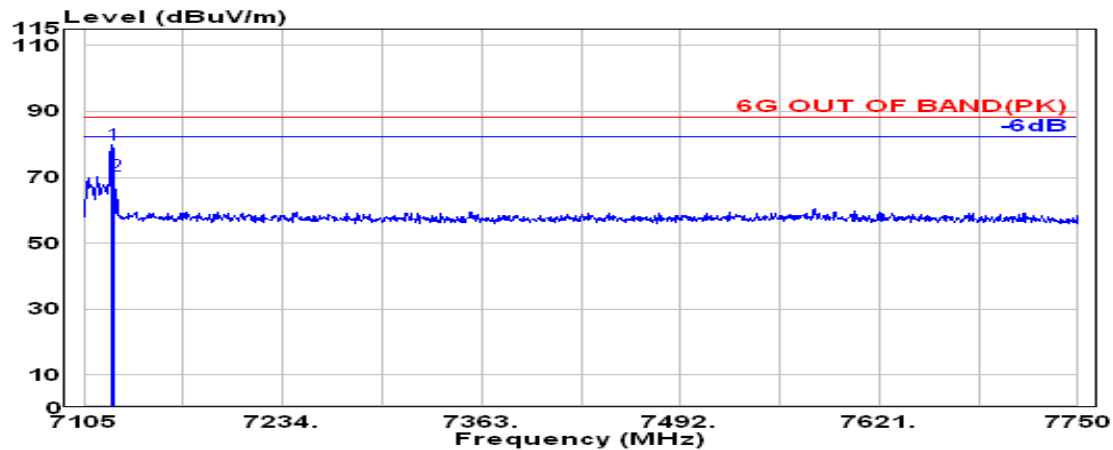
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.78	46.91	68.20	21.29	Average
@ 5946.750	35.41	10.02	34.38	77.25	88.30	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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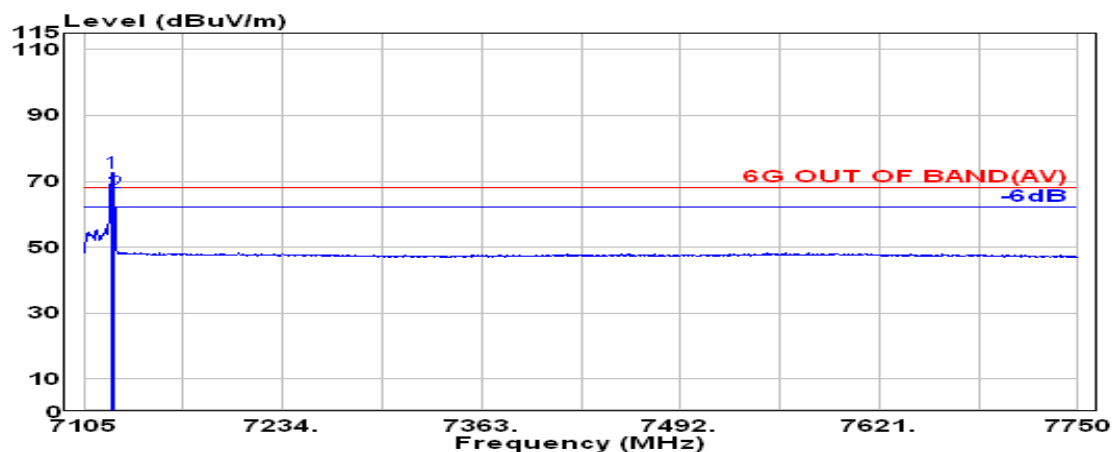
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Tones	26T	RU Index	8
Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 7115MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
7123.500	35.71	10.67	34.49	68.18	80.07	---	---	Peak
@ 7125.000	35.70	10.67	34.49	58.78	70.67	88.20	17.53	Peak



Antenna at Horizontal Polarization

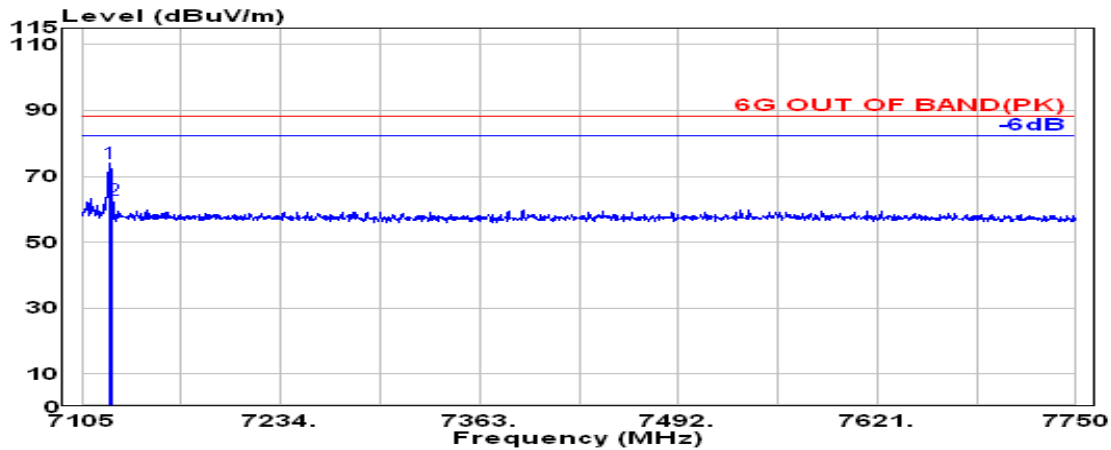
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
7123.000	35.71	10.67	34.49	60.85	72.74	---	---	Average
@ 7125.000	35.70	10.67	34.49	54.82	66.70	68.20	1.50	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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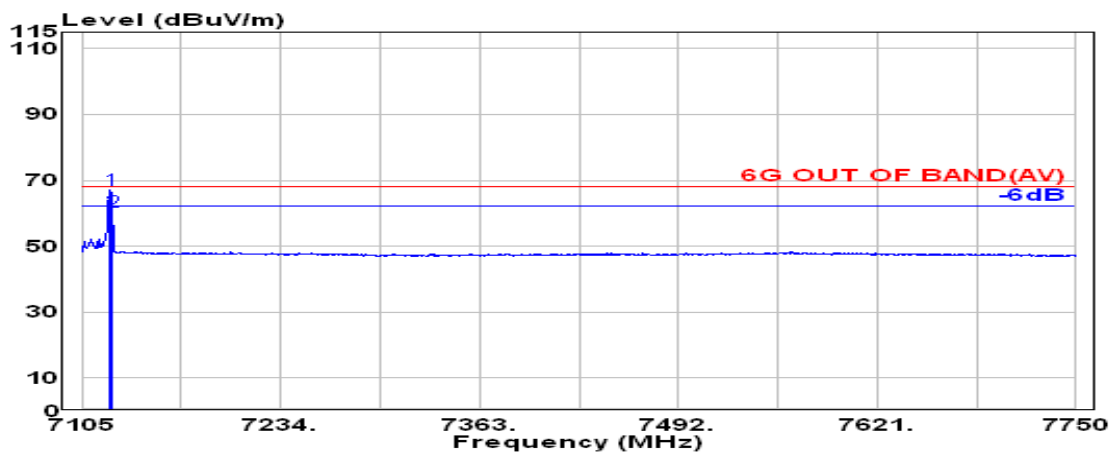
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Tones	26T	RU Index	8
Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 7115MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
7123.000	35.71	10.67	34.49	62.00	73.89	---	---	Peak
@ 7125.000	35.70	10.67	34.49	50.91	62.79	88.20	25.41	Peak



Antenna at Vertical Polarization

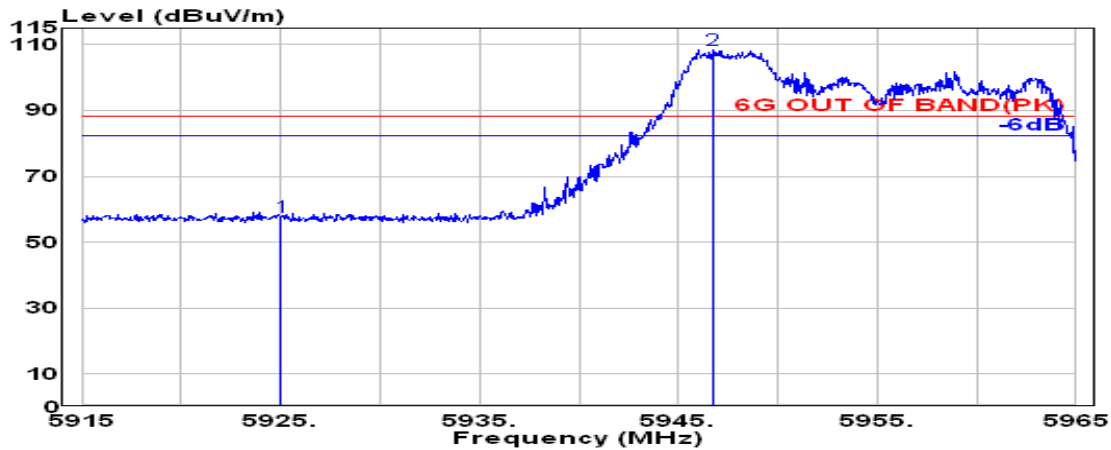
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
7123.500	35.71	10.67	34.49	55.23	67.12	---	---	Average
@ 7125.000	35.70	10.67	34.49	48.71	60.59	68.20	7.61	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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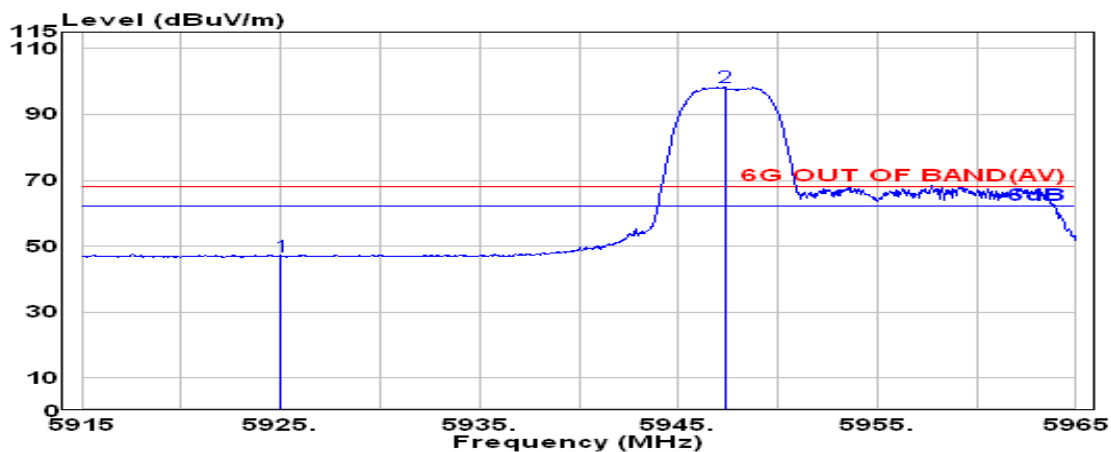
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Tones	52T	RU Index	37
Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	46.48	57.61	88.20	30.59	Peak
@ 5946.700	35.41	10.02	34.38	97.26	108.32	---	---	Peak



Antenna at Horizontal Polarization

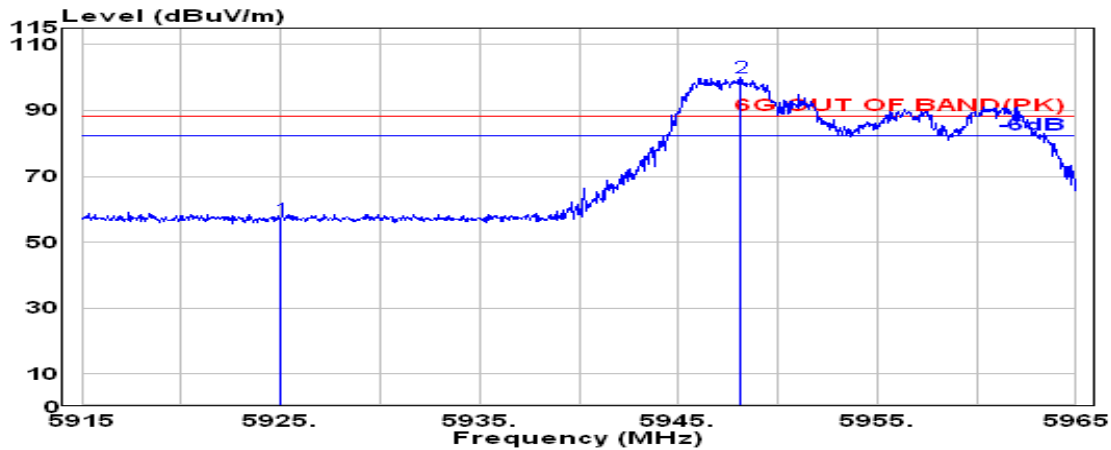
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.82	46.95	68.20	21.25	Average
@ 5947.350	35.41	10.02	34.38	87.22	98.28	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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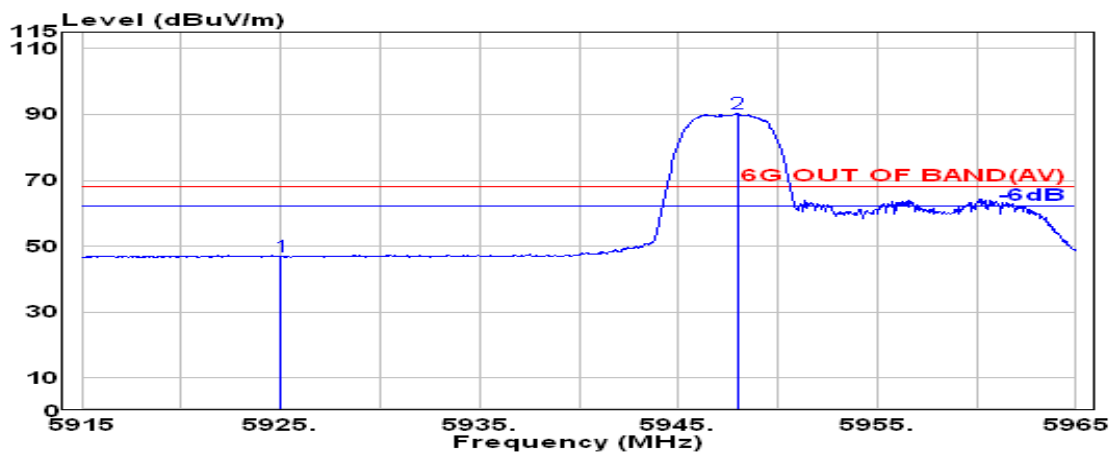
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Tones	52T	RU Index	37
Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	45.78	56.91	88.20	31.29	Peak
@ 5948.150	35.41	10.02	34.38	88.95	100.01	---	---	Peak



Antenna at Vertical Polarization

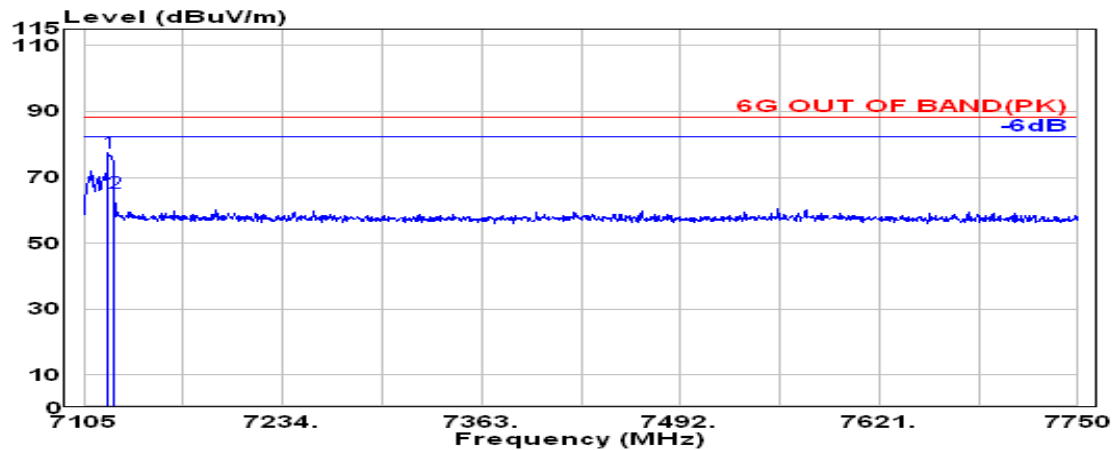
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.72	46.85	68.20	21.35	Average
@ 5947.950	35.41	10.02	34.38	79.32	90.38	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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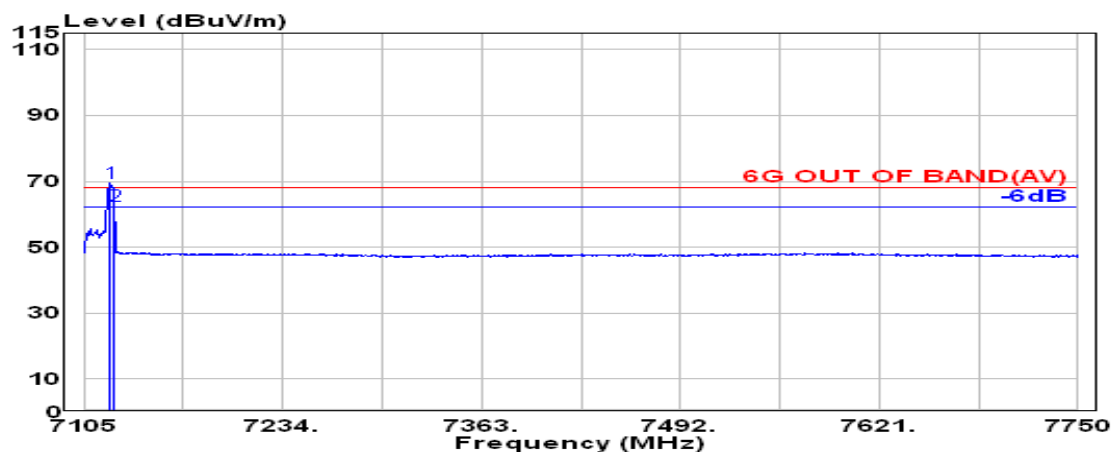
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Tones	52T	RU Index	40
Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 7115MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7121.000	35.72	10.67	34.49	65.47	77.37	---	---	Peak
7125.000	35.70	10.67	34.49	53.53	65.41	88.20	22.79	Peak



Antenna at Horizontal Polarization

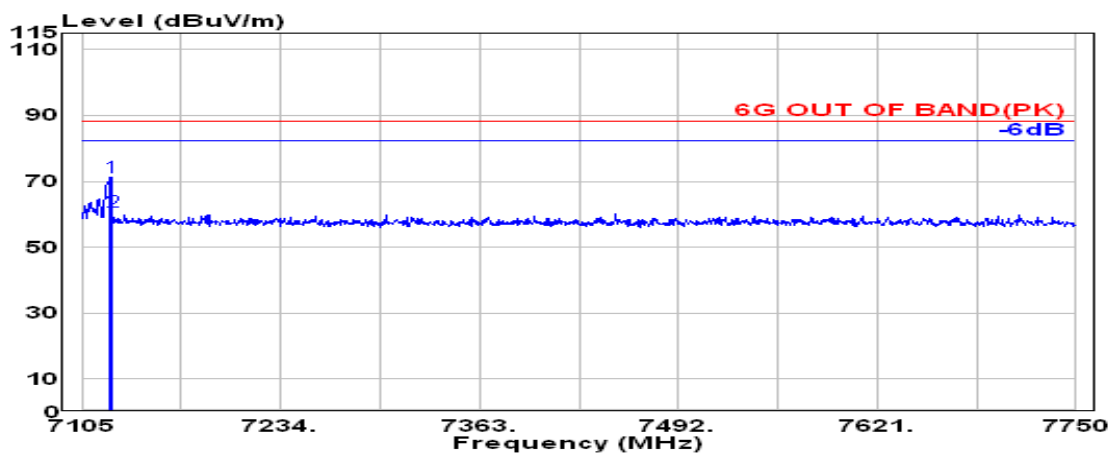
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7122.000	35.71	10.67	34.49	57.63	69.53	---	---	Average
7125.000	35.70	10.67	34.49	50.59	62.47	68.20	5.73	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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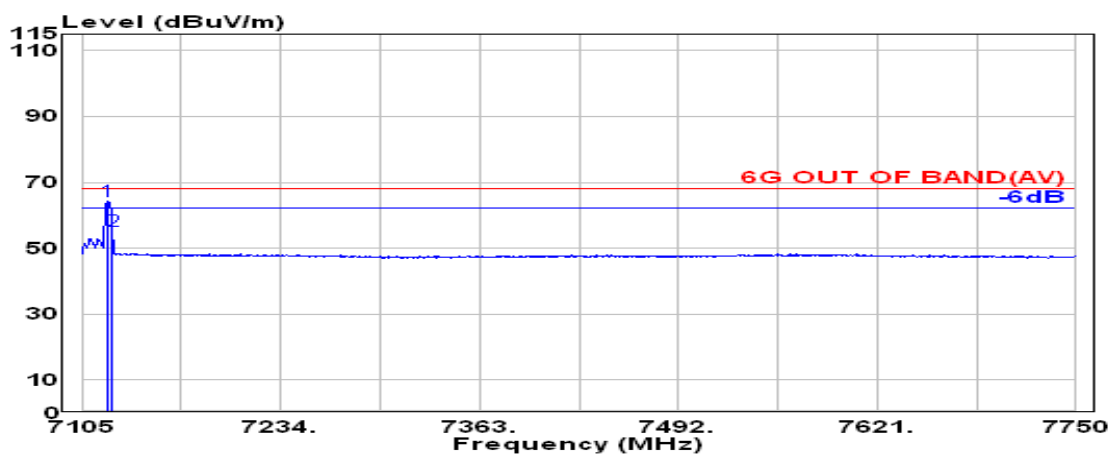
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Tones	52T	RU Index	40
Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 7115MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7123.500	35.71	10.67	34.49	59.41	71.29	---	---	Peak
7125.000	35.70	10.67	34.49	49.02	60.90	88.20	27.30	Peak

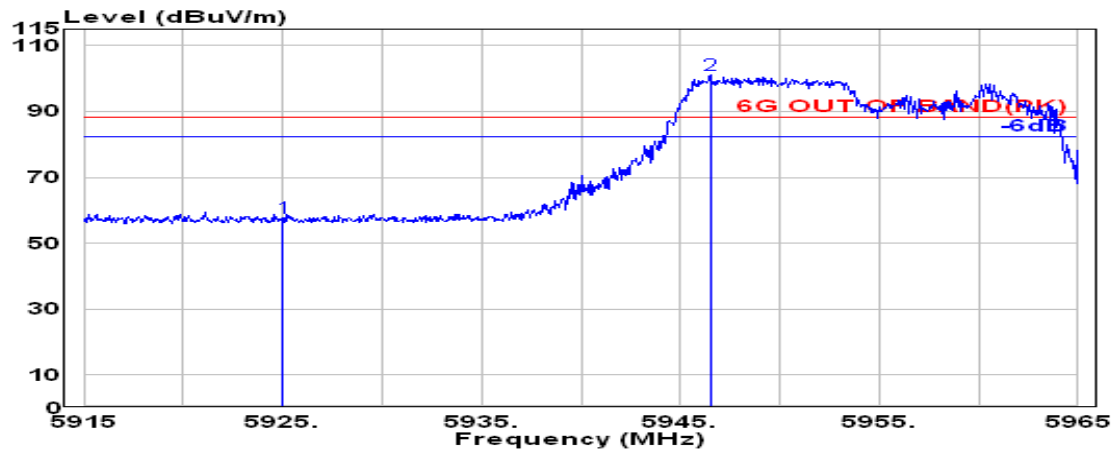


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7121.500	35.71	10.67	34.49	52.36	64.26	---	---	Average
7125.000	35.70	10.67	34.49	43.35	55.23	68.20	12.97	Average

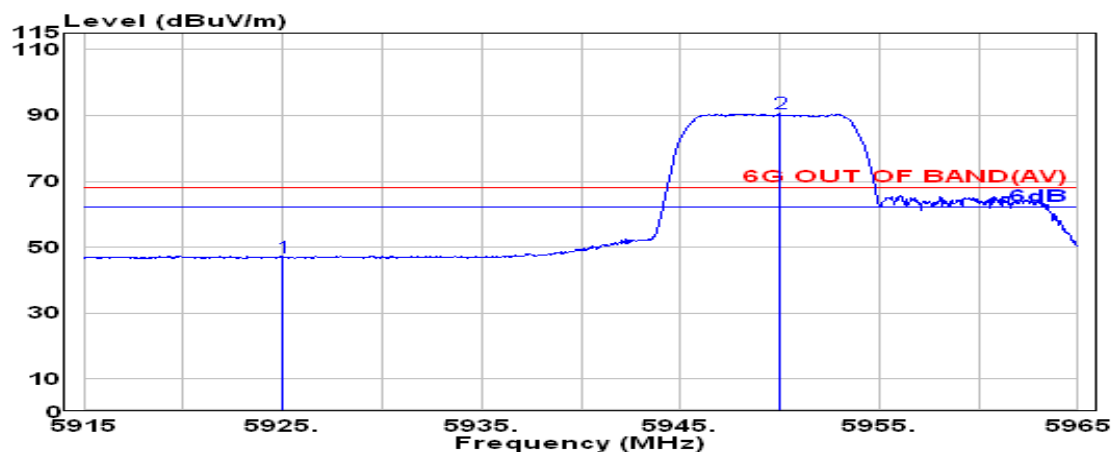
Remark: The “@” means fundamental frequency, it is ignored in this section.

Tones	106T	RU Index	53
Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	46.59	57.72	88.20	30.48	Peak
@ 5946.500	35.41	10.02	34.38	90.08	101.14	---	---	Peak



Antenna at Horizontal Polarization

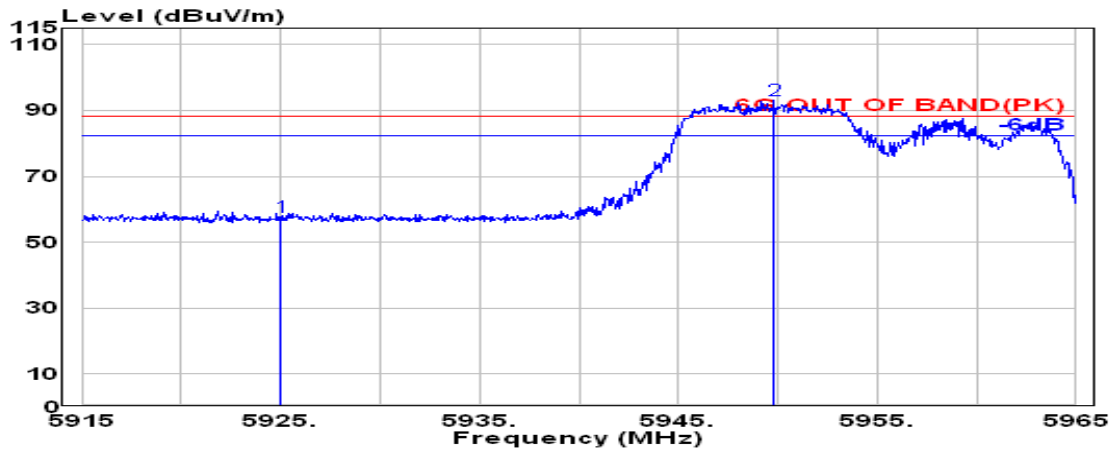
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.85	46.98	68.20	21.22	Average
@ 5950.000	35.40	10.03	34.38	79.59	90.64	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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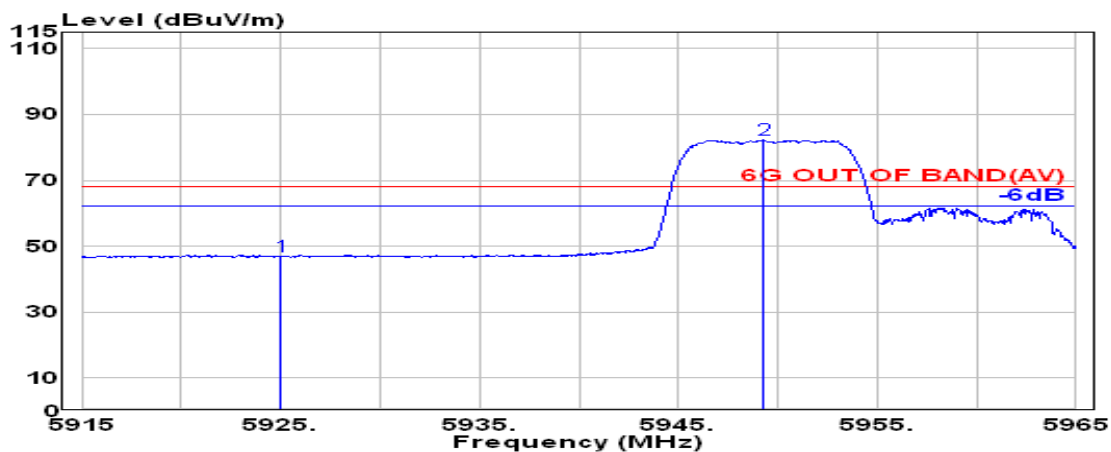
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Tones	106T	RU Index	53
Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	46.47	57.60	88.20	30.60	Peak
@ 5949.800	35.40	10.02	34.38	81.97	93.02	---	---	Peak



Antenna at Vertical Polarization

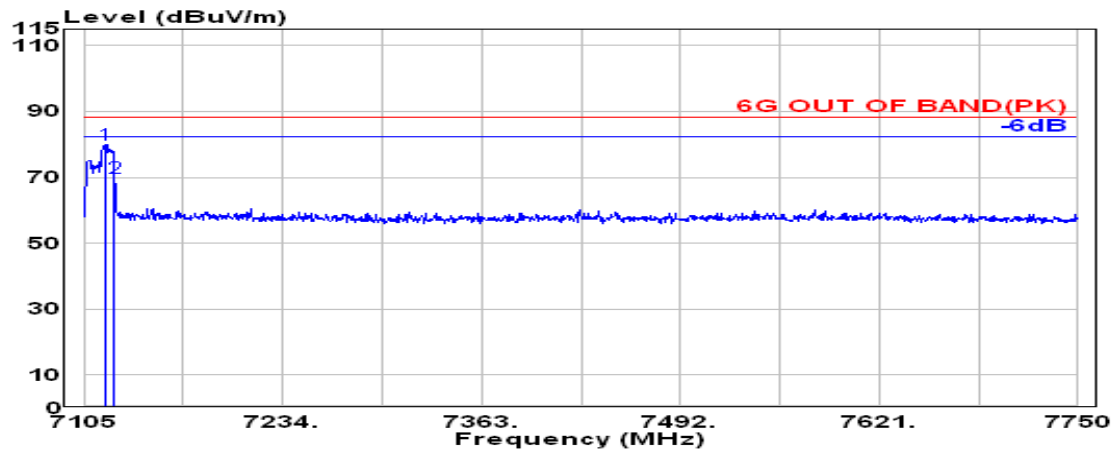
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.84	46.97	68.20	21.23	Average
@ 5949.300	35.40	10.02	34.38	71.22	82.27	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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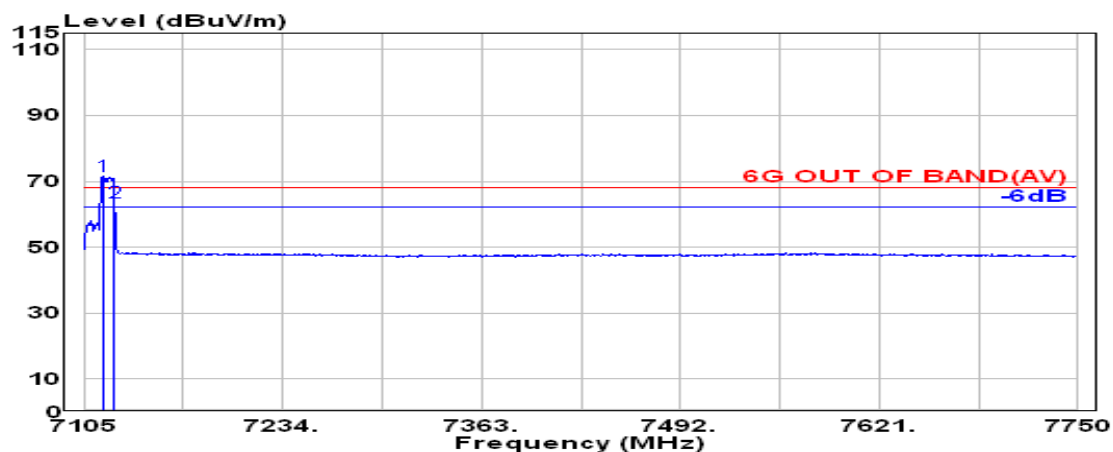
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Fax: +886 2 26099303

Tones	106T	RU Index	54
Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 7115MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7118.500	35.73	10.67	34.49	68.14	80.04	---	---	Peak
7125.000	35.70	10.67	34.49	58.06	69.94	88.20	18.26	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7117.500	35.73	10.67	34.48	59.66	71.57	---	---	Average
7125.000	35.70	10.67	34.49	51.88	63.76	68.20	4.44	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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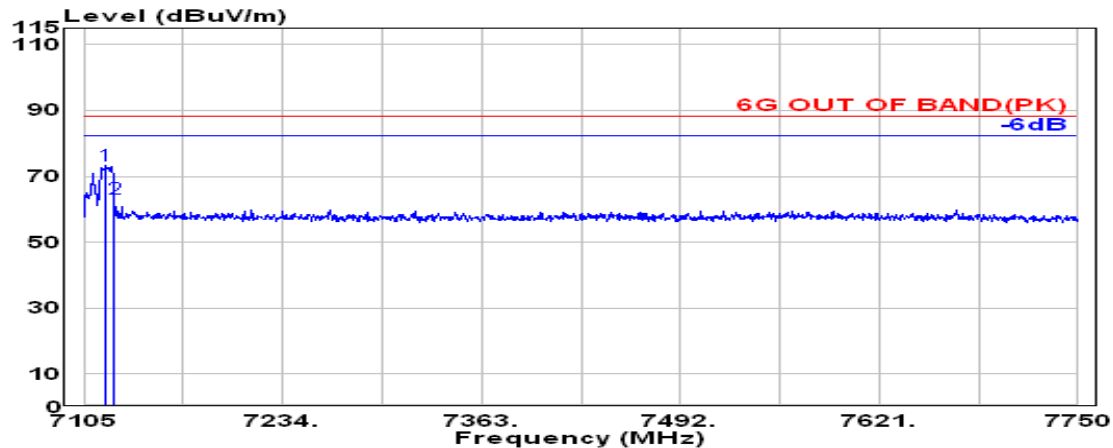
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New Taipei City244, Taiwan

Tel: +886 2 26099301

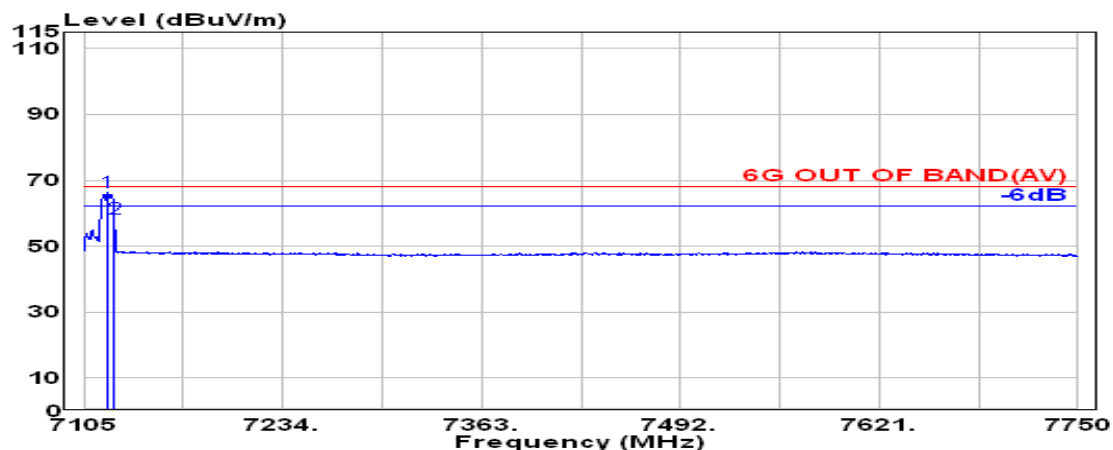
Fax: +886 2 26099303

Tones	106T	RU Index	54
Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 7115MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7119.000	35.72	10.67	34.49	61.35	73.26	---	---	Peak
7125.000	35.70	10.67	34.49	51.41	63.30	88.20	24.90	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7120.000	35.72	10.67	34.49	54.55	66.45	---	---	Average
7125.000	35.70	10.67	34.49	46.41	58.29	68.20	9.91	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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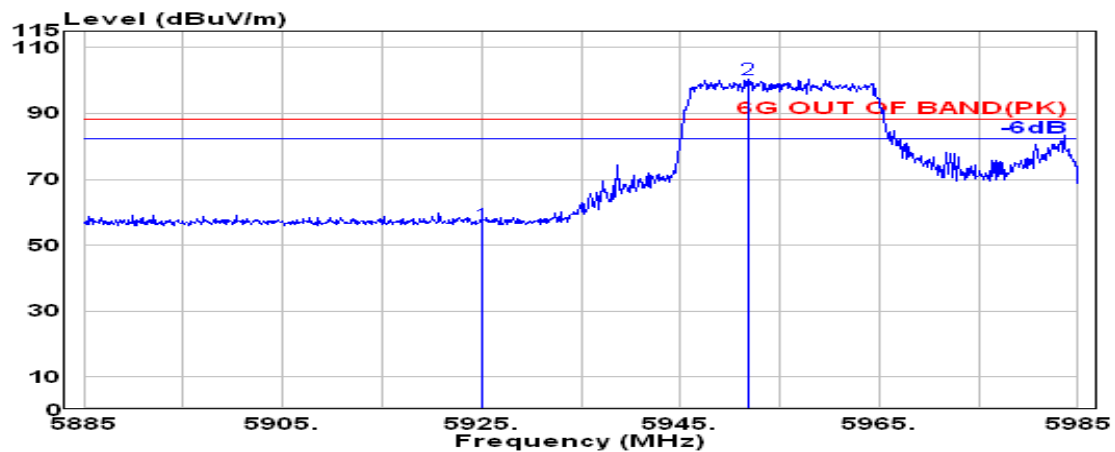
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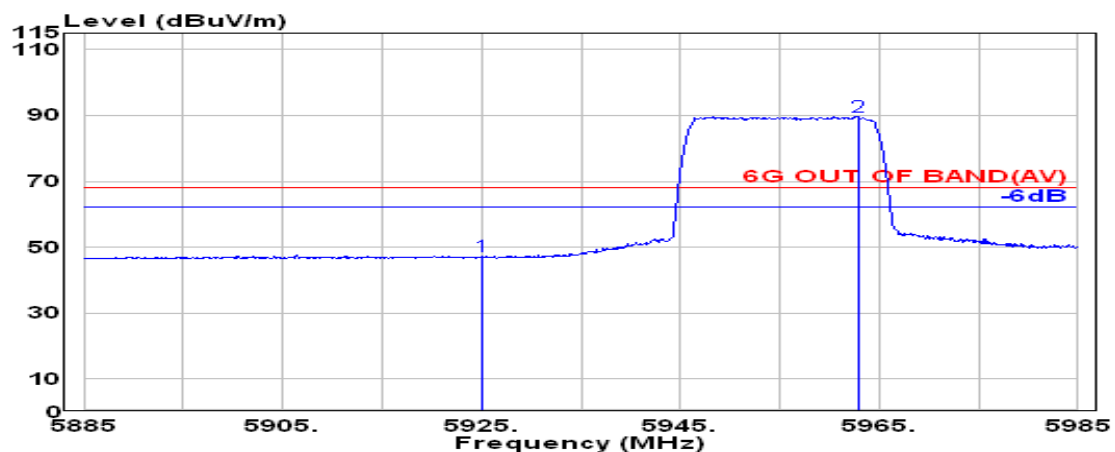
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Tones	242T	RU Index	61
Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 5965MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	45.06	56.19	88.20	32.01	Peak
@ 5951.800	35.40	10.03	34.38	89.40	100.45	---	---	Peak



Antenna at Horizontal Polarization

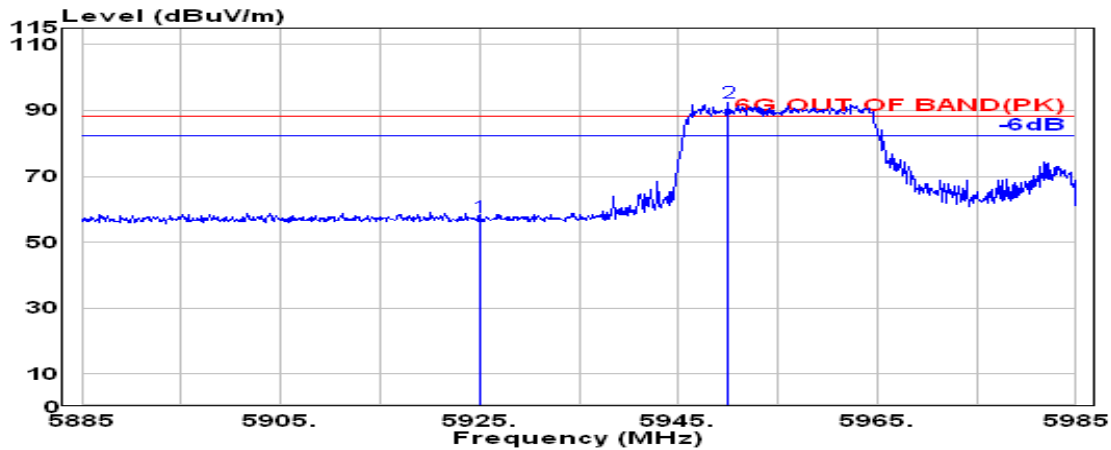
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	36.01	47.14	68.20	21.06	Average
@ 5962.900	35.40	10.04	34.38	78.66	89.72	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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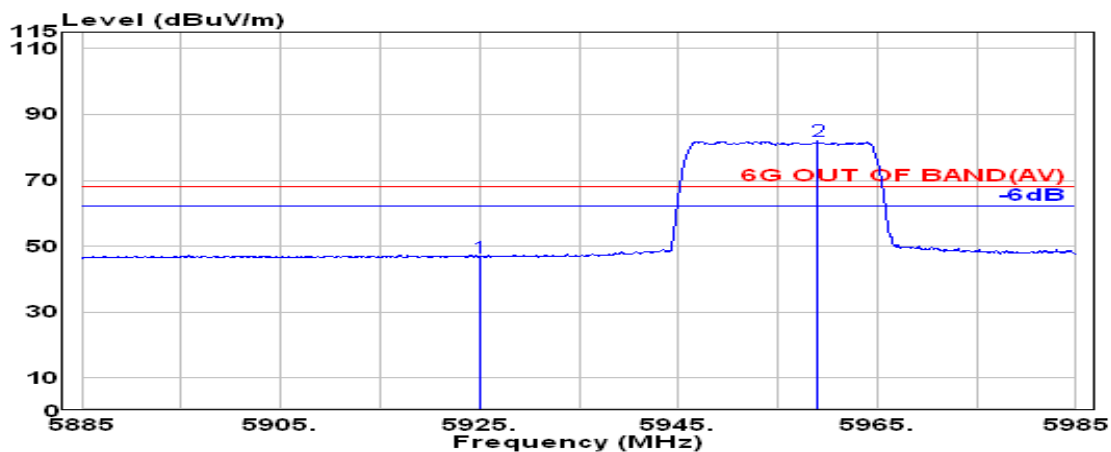
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Fax: +886 2 26099303

Tones	242T	RU Index	61
Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 5965MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	46.63	57.76	88.20	30.44	Peak
@ 5950.000	35.40	10.03	34.38	81.23	92.28	---	---	Peak



Antenna at Vertical Polarization

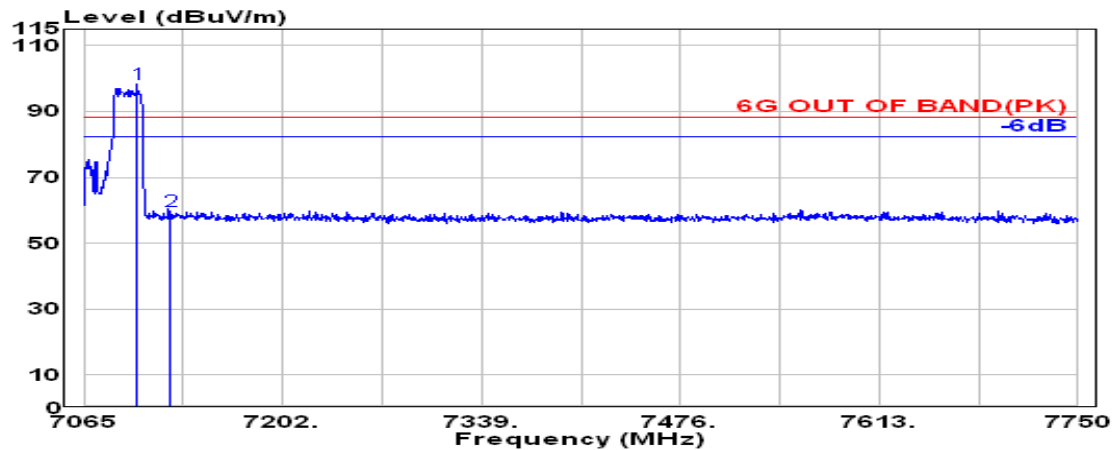
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.57	46.70	68.20	21.50	Average
@ 5959.000	35.40	10.04	34.38	70.83	81.88	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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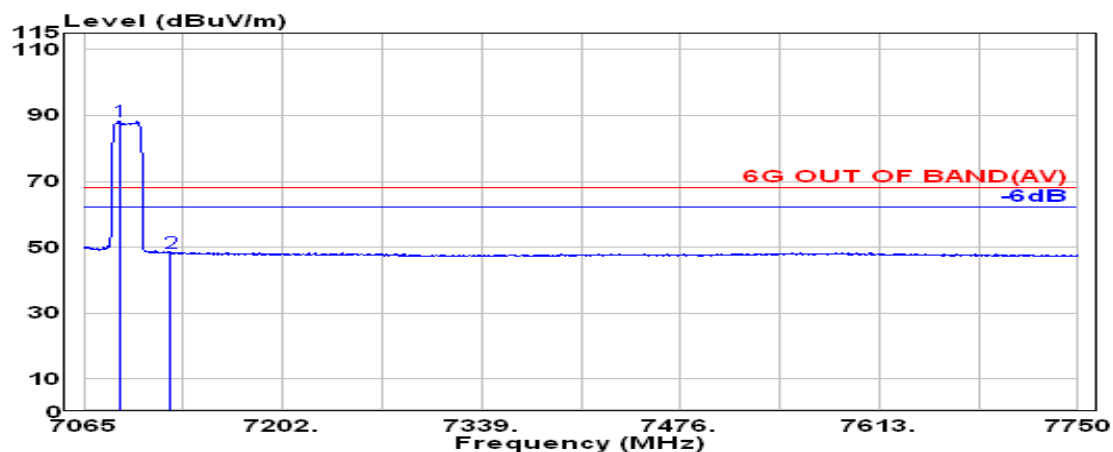
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Tones	242T	RU Index	62
Mode	802.11ax-HE40	U-NII Band	8
		Frequency	TX 7085MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7101.500	35.79	10.66	34.47	86.29	98.27	---	---	Peak
7125.000	35.70	10.67	34.49	48.03	59.91	88.20	28.29	Peak



Antenna at Horizontal Polarization

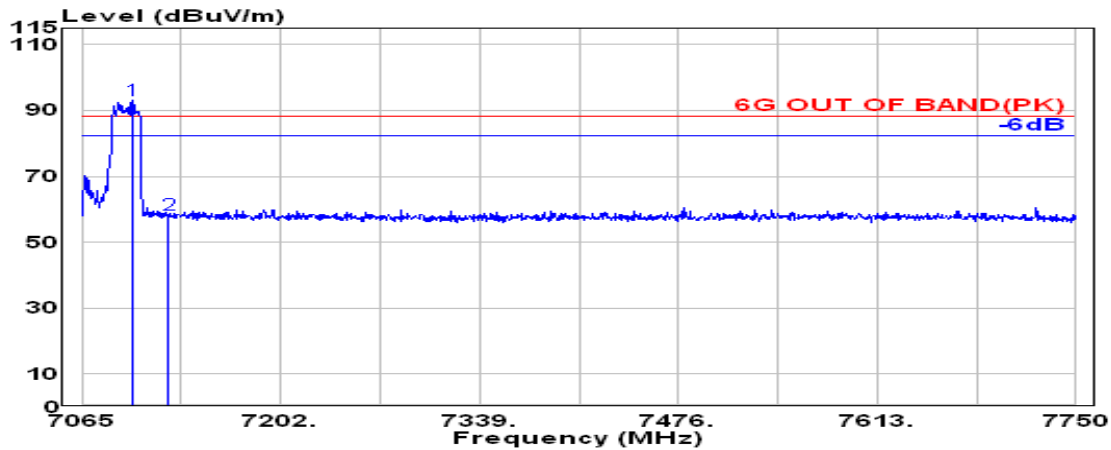
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7089.500	35.78	10.65	34.46	76.17	88.13	---	---	Average
7125.000	35.70	10.67	34.49	36.46	48.35	68.20	19.85	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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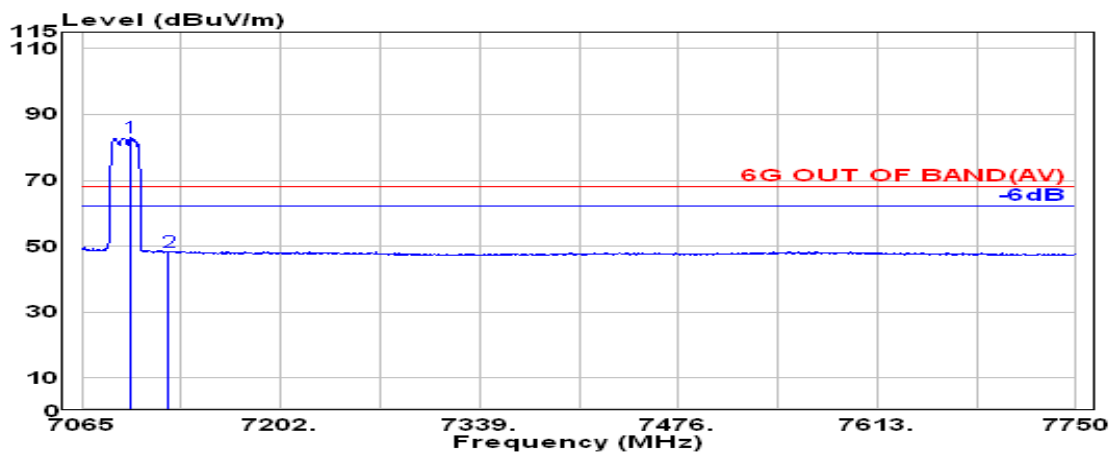
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Fax: +886 2 26099303

Tones	242T	RU Index	62
Mode	802.11ax-HE40	U-NII Band	8
		Frequency	TX 7085MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7099.500	35.80	10.65	34.47	81.02	93.00	---	---	Peak
7125.000	35.70	10.67	34.49	46.65	58.54	88.20	29.66	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7098.000	35.80	10.65	34.47	71.11	83.09	---	---	Average
7125.000	35.70	10.67	34.49	36.45	48.34	68.20	19.86	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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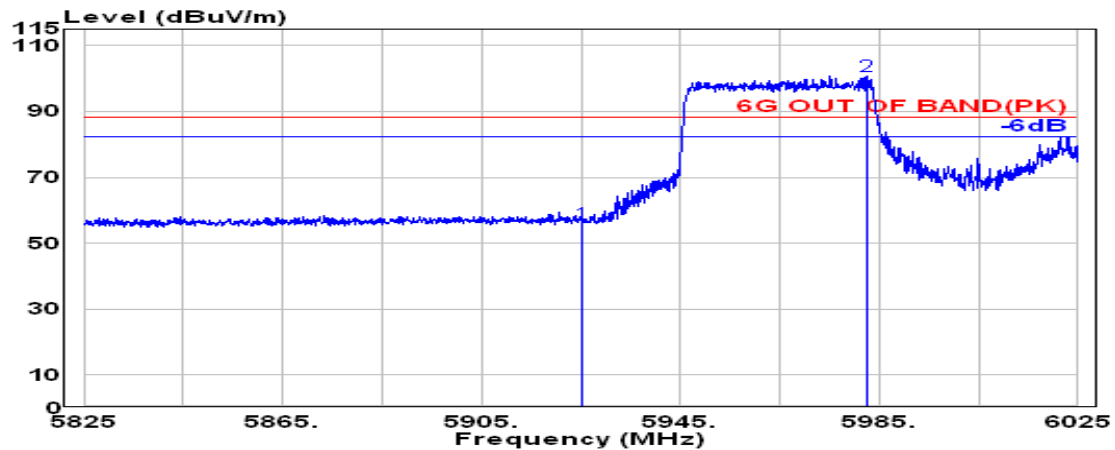
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Tel: +886 2 26099301

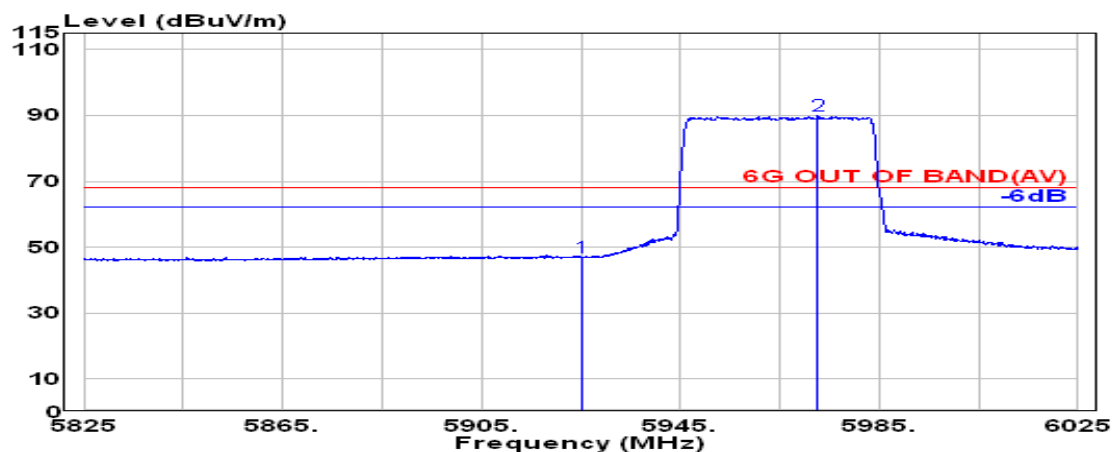
Fax: +886 2 26099303

Tones	484T	RU Index	65
Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 5985MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	44.76	55.89	88.20	32.31	Peak
@ 5982.400	35.40	10.06	34.39	89.81	100.88	---	---	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.85	46.98	68.20	21.22	Average
@ 5972.600	35.40	10.05	34.39	78.78	89.84	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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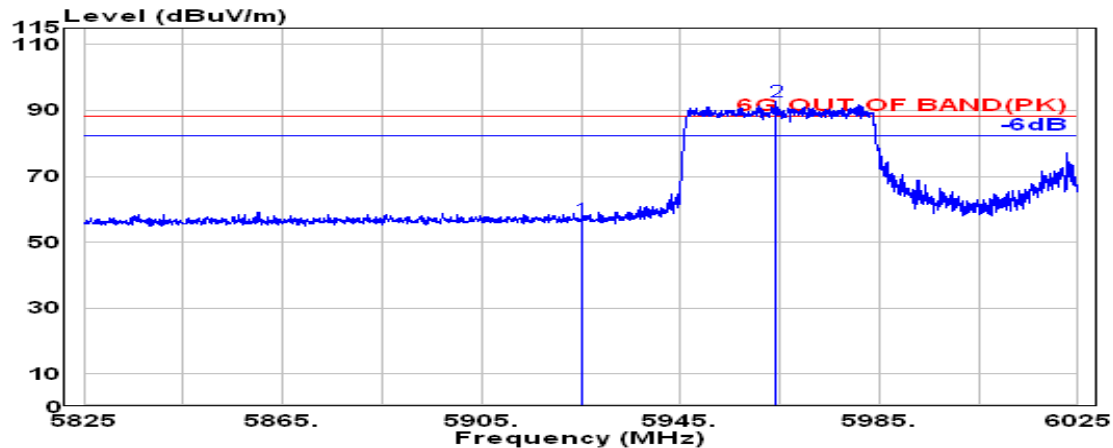
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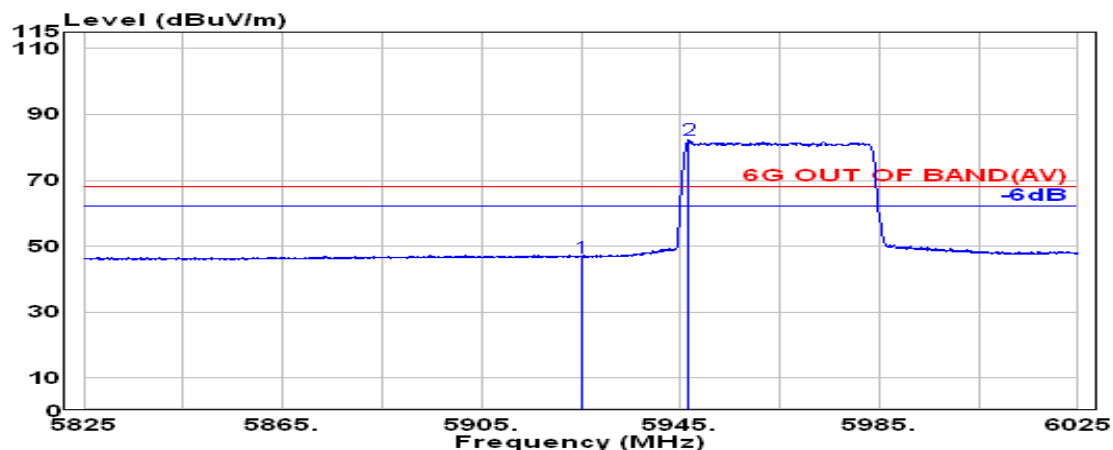
Fax: +886 2 26099303

Tones	484T	RU Index	65
Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 5985MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	45.75	56.89	88.20	31.31	Peak
@ 5964.300	35.40	10.04	34.38	81.57	92.63	---	---	Peak



Antenna at Vertical Polarization

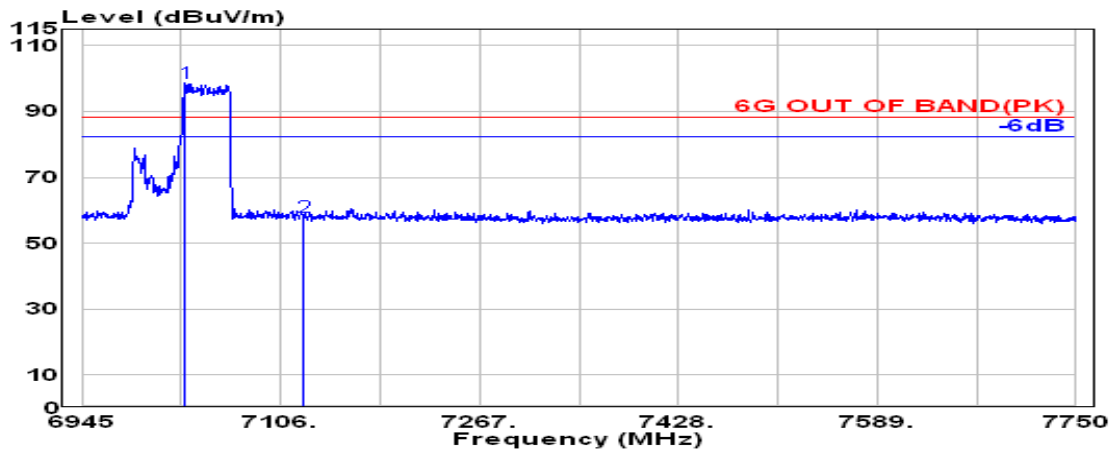
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
5925.000	35.50	10.00	34.37	35.61	46.74	68.20	21.46	Average
@ 5946.700	35.41	10.02	34.38	71.21	82.27	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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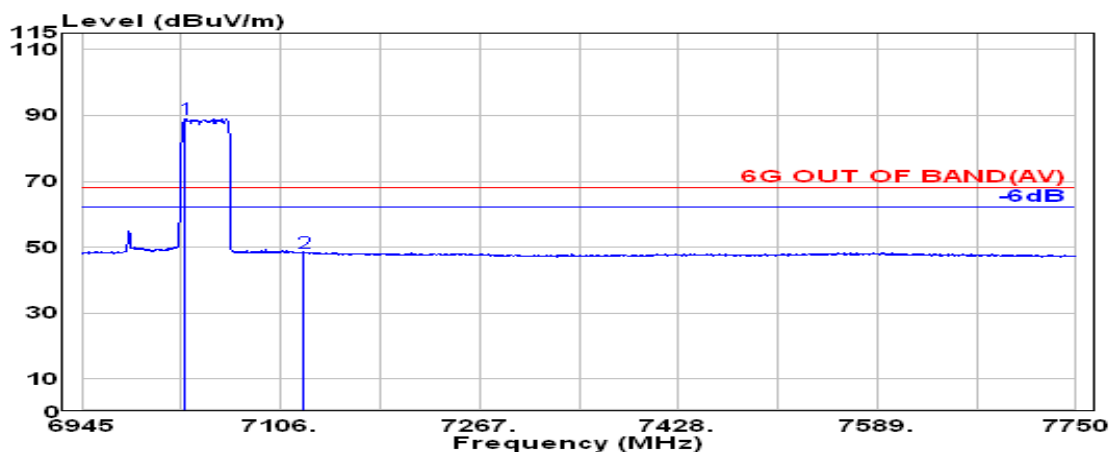
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Tones	484T	RU Index	66
Mode	802.11ax-HE80	U-NII Band	8
		Frequency	TX 7025MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7029.000	35.74	10.60	34.42	86.77	98.70	---	---	Peak
7125.000	35.70	10.67	34.49	46.19	58.07	88.20	30.13	Peak



Antenna at Horizontal Polarization

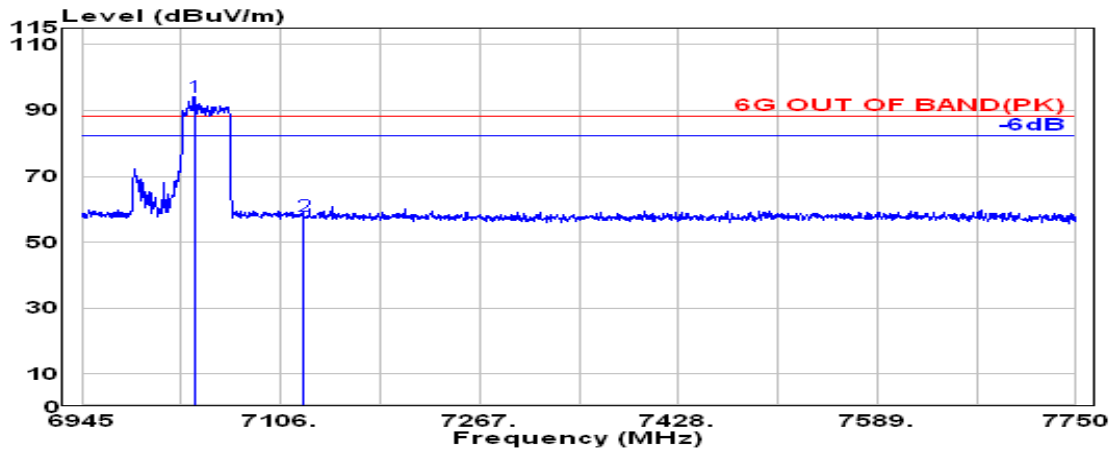
Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 7029.000	35.74	10.60	34.42	77.19	89.11	---	---	Average
7125.000	35.70	10.67	34.49	36.50	48.38	68.20	19.82	Average

Remark: The “@” means fundamental frequency, it is ignored in this section.

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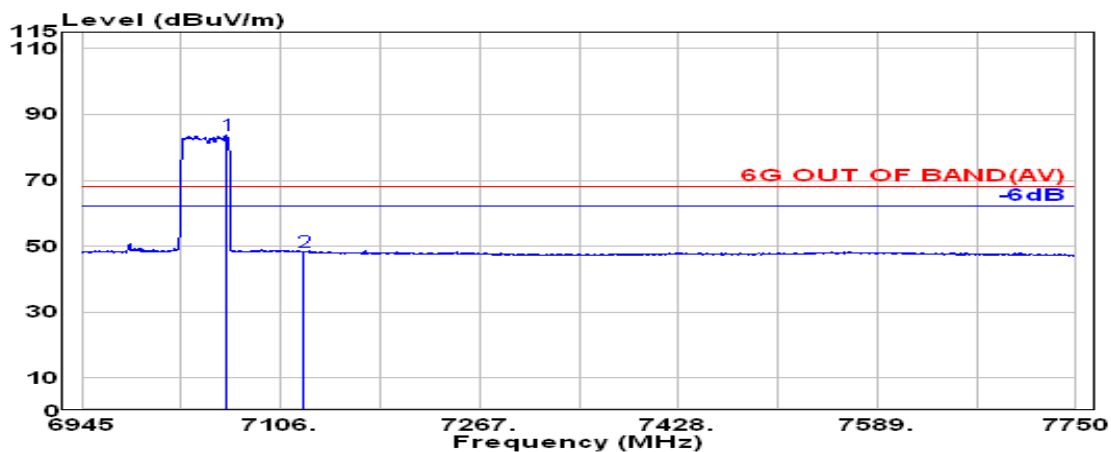
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Fax: +886 2 26099303

Tones	484T	RU Index	66
Mode	802.11ax-HE80	U-NII Band	8
		Frequency	TX 7025MHz



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7036.000	35.73	10.61	34.43	82.34	94.25	---	---	Peak
7125.000	35.70	10.67	34.49	46.27	58.15	88.20	30.05	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 7062.000	35.72	10.63	34.44	71.77	83.68	---	---	Average
7125.000	35.70	10.67	34.49	36.30	48.19	68.20	20.01	Average

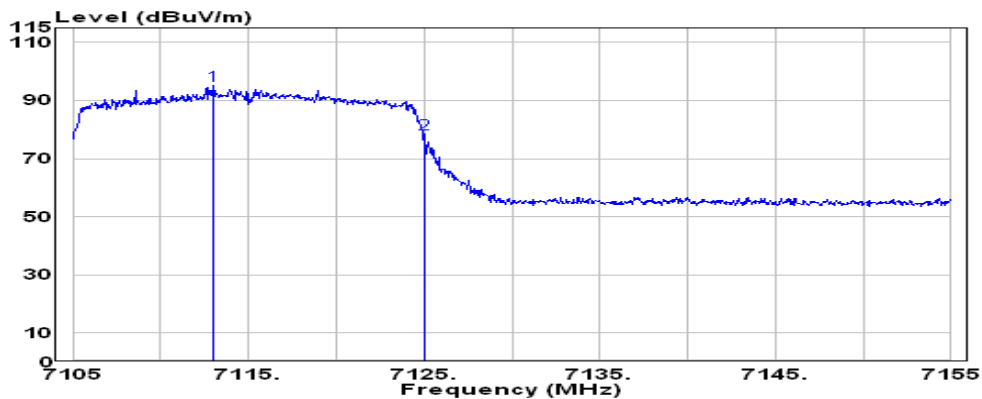
Remark: The “@” means fundamental frequency, it is ignored in this section.

A.2.1.4 Band Edge-Maker Delta

● OFDM Modulation

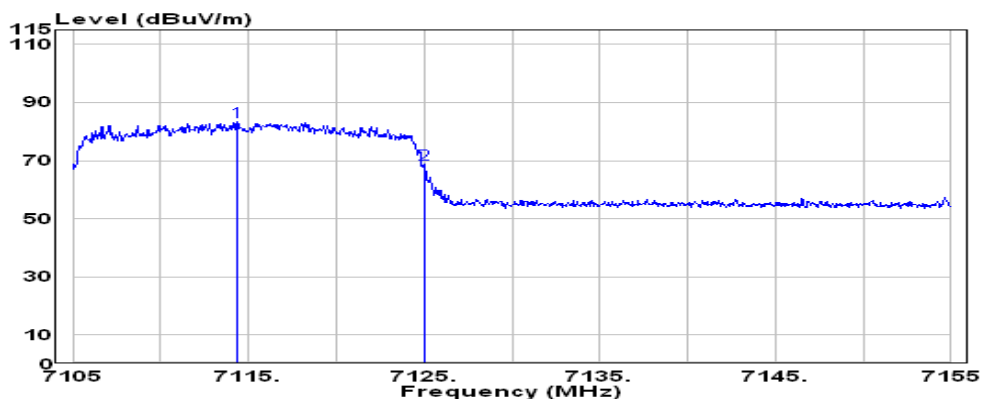
Mode	Antenna Polarization	Peak Fundamental Emission Level@7115MHz (dBμV/m)	Band Edge Emission Level@7125MHz (dBμV/m)	Marker-Delta (dB)
802.11ax-HE20	Horizontal	95.36	78.43	16.93
	Vertical	83.53	68.87	14.66

Note: marker -delta measured in accordance with KDB 789033 Section G3 (d)(i)



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Detector
7112.950	35.75	10.20	39.40	88.81	95.36	Peak
7125.000	35.80	10.21	39.41	71.82	78.43	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Detector
7114.350	35.76	10.20	39.41	76.97	83.53	Peak
7125.000	35.80	10.21	39.41	62.27	68.87	Peak

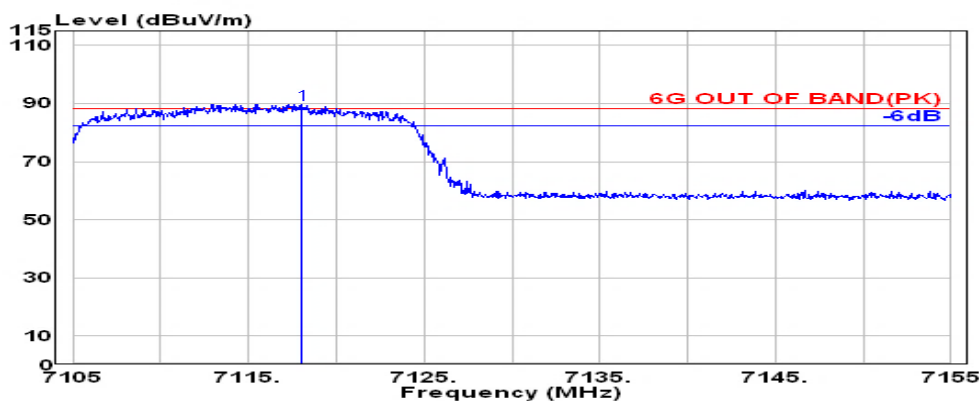
Band Edge-Maker Delta Test Result

- OFDM Modulation
SISO

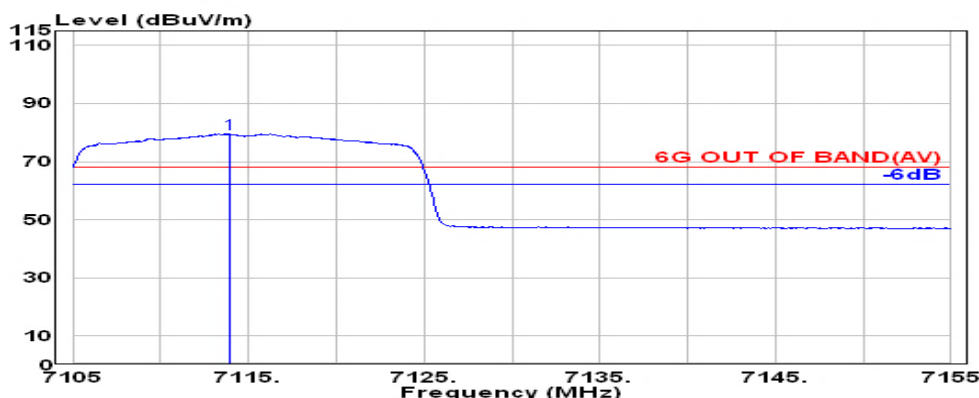
Mode	Fundamental Emission Level@7115MHz (dBμV/m)	Marker-Delta (dB)	Band Edge Emission Level@7125MHz (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
802.11ax-HE20	Antenna Polarization: Horizontal					
	89.77	16.93	72.84	88.20	15.36	Peak
	79.56	16.93	62.63	68.20	5.57	Average

Note: Band Edge Emission Level (dBμV/m) = Fundamental Emission Level (dBμV/m) - Marker-Delta (dB)

Antenna at Horizontal Polarization



Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Detector
7118.050	35.77	10.21	39.41	83.20	89.77	Peak

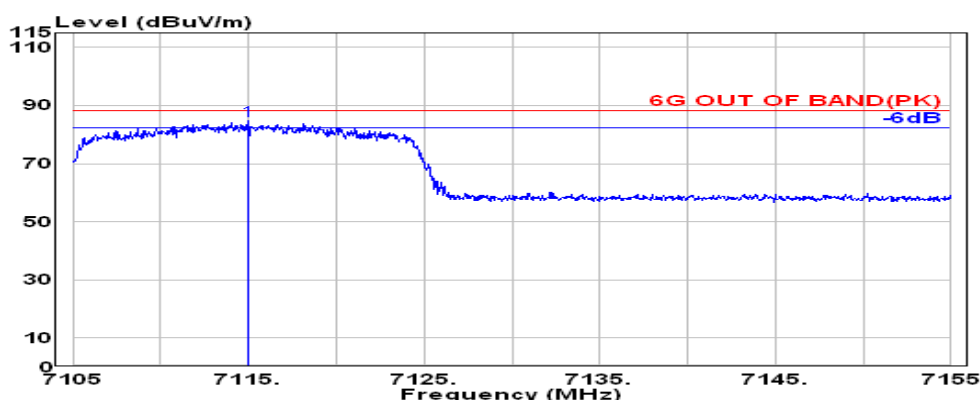


Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Detector
7113.900	35.76	10.20	39.41	73.01	79.56	Average

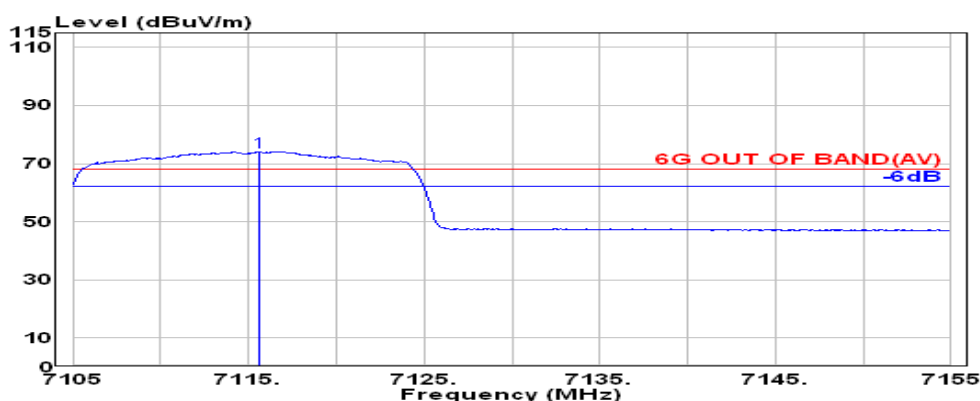
Mode	Fundamental Emission Level@7115MHz (dBμV/m)	Marker-Delta (dB)	Band Edge Emission Level@7125MHz (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
802.11ax-HE20	Antenna Polarization: Vertical					
	84.87	14.66	70.21	88.20	17.99	Peak
	74.18	14.66	59.52	68.20	8.68	Average

Note: Band Edge Emission Level (dBμV/m) = Fundamental Emission Level (dBμV/m) - Marker-Delta (dB)

Antenna at Vertical Polarization



Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Detector
7114.950	35.76	10.20	39.41	78.31	84.87	Peak



Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Detector
7115.600	35.76	10.21	39.41	67.62	74.18	Average

A.2.2 Emissions outside the frequency band

The emissions (up to 40GHz) not reported for there is no emission be found.

Mode	802.11a	U-NII Band	5
		Frequency	TX 5975MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11950.000	39.05	14.29	39.30	37.32	51.35	54.00	2.65	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11950.000	39.09	14.23	39.28	36.26	50.30	54.00	3.70	Peak

Mode	802.11a	U-NII Band	5
		Frequency	TX 6215MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12430.000	38.75	14.50	38.91	36.03	50.38	54.00	3.62	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12430.000	38.70	14.54	38.81	34.84	49.26	54.00	4.74	Peak

Mode	802.11a	U-NII Band	5
		Frequency	TX 6375MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12750.000	39.05	14.66	38.19	35.94	51.46	54.00	2.54	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12750.000	39.22	14.69	38.03	35.75	51.64	54.00	2.36	Peak

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Mode	802.11a	U-NII Band	6
		Frequency	TX 6455MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12910.000	39.38	14.71	37.94	35.17	51.32	54.00	2.68	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12910.000	39.53	14.73	37.86	35.83	52.23	54.00	1.77	Peak

Mode	802.11a	U-NII Band	7
		Frequency	TX 6535MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13070.000	39.87	14.79	37.56	33.52	50.61	54.00	3.39	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13070.000	39.87	14.79	37.56	32.62	49.71	54.00	4.29	Peak

Mode	802.11a	U-NII Band	7
		Frequency	TX 6695MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13390.000	40.68	14.90	37.09	32.91	51.40	54.00	2.60	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13390.000	40.68	14.90	37.09	32.41	50.90	54.00	3.10	Peak

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Mode	802.11a	U-NII Band	7
		Frequency	TX 6855MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13710.000	41.32	15.01	37.03	32.21	51.51	54.00	2.49	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13710.000	41.32	15.01	37.03	31.80	51.09	54.00	2.91	Peak

Mode	802.11a	U-NII Band	8
		Frequency	TX 6935MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13870.000	41.40	15.02	37.05	31.58	50.95	54.00	3.05	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13870.000	41.64	15.07	37.11	31.31	50.90	54.00	3.10	Peak

Mode	802.11a	U-NII Band	8
		Frequency	TX 7015MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14030.000	42.06	15.13	37.20	32.25	52.23	54.00	1.77	Peak

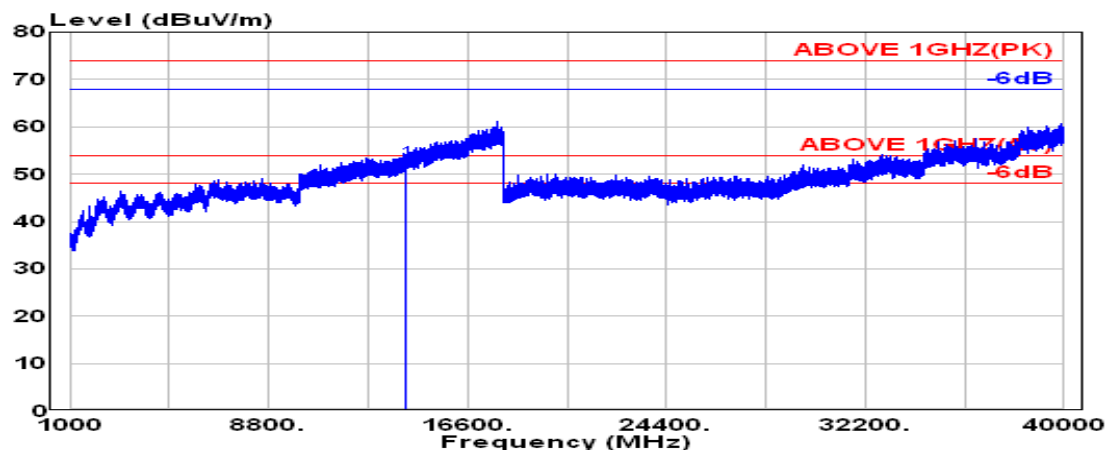
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14030.000	41.97	15.11	37.17	31.53	51.44	54.00	2.56	Peak

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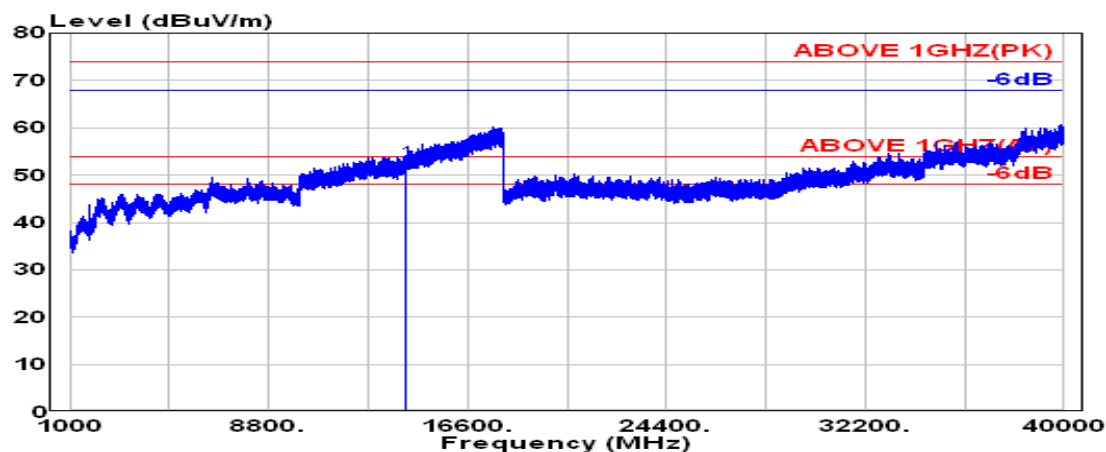
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Mode	802.11a	U-NII Band	8
		Frequency	TX 7095MHz



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
14190.000	42.38	15.23	37.37	31.91	52.15	54.00	1.85	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
14190.000	42.38	15.23	37.37	32.47	52.71	54.00	1.29	Peak

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Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 5955MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11910.000	39.09	14.23	39.28	35.34	49.38	54.00	4.62	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11910.000	39.09	14.23	39.28	35.81	49.85	54.00	4.15	Peak

Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 6175MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12350.000	38.75	14.50	38.91	35.41	49.76	54.00	4.24	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12350.000	38.75	14.50	38.91	36.07	50.42	54.00	3.58	Peak

Mode	802.11ax-HE20	U-NII Band	5
		Frequency	TX 6415MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12830.000	39.22	14.69	38.03	36.30	52.19	54.00	2.30	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12830.000	39.22	14.69	38.03	35.14	51.03	54.00	2.08	Peak

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Mode	802.11ax-HE20	U-NII Band	6
		Frequency	TX 6435MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12870.000	39.38	14.71	37.94	36.12	52.26	54.00	1.87	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12870.000	39.38	14.71	37.94	34.99	51.14	54.00	3.03	Peak

Mode	802.11ax-HE20	U-NII Band	6
		Frequency	TX 6475MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12950.000	39.65	14.74	37.77	34.27	50.89	54.00	2.79	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12950.000	39.65	14.74	37.77	34.10	50.72	54.00	2.39	Peak

Mode	802.11ax-HE20	U-NII Band	6
		Frequency	TX 6515MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13030.000	39.83	14.77	37.62	32.93	49.90	54.00	1.82	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13030.000	39.83	14.77	37.62	33.10	50.08	54.00	3.18	Peak

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Mode	802.11ax-HE20	U-NII Band	7
		Frequency	TX 6535MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13070.000	39.87	14.79	37.56	33.87	50.96	54.00	3.66	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13070.000	39.87	14.79	37.56	33.78	50.87	54.00	3.64	Peak

Mode	802.11ax-HE20	U-NII Band	7
		Frequency	TX 6695MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13390.000	40.68	14.90	37.09	31.99	50.48	54.00	3.75	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13390.000	40.68	14.90	37.09	33.84	52.33	54.00	1.91	Peak

Mode	802.11ax-HE20	U-NII Band	7
		Frequency	TX 6855MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13710.000	41.32	15.01	37.03	30.83	50.13	54.00	2.68	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13710.000	41.32	15.01	37.03	32.00	51.30	54.00	3.75	Peak

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Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 6875MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13750.000	41.40	15.02	37.05	31.05	50.43	54.00	3.23	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13750.000	41.40	15.02	37.05	30.99	50.36	54.00	2.80	Peak

Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 6995MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13990.000	41.97	15.11	37.17	31.02	50.94	54.00	2.11	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13990.000	41.97	15.11	37.17	31.54	51.45	54.00	2.52	Peak

Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 7095MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14190.000	42.38	15.23	37.37	31.59	51.83	54.00	1.43	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14190.000	42.38	15.23	37.37	31.59	51.83	54.00	1.21	Peak

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Mode	802.11ax-HE20	U-NII Band	8
		Frequency	TX 7115MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14230.000	42.31	15.26	37.42	31.06	51.22	54.00	1.07	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14230.000	42.31	15.26	37.42	32.00	52.15	54.00	1.06	Peak

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Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 5965MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11930.000	39.07	14.26	39.29	34.79	48.83	54.00	4.29	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11930.000	39.07	14.26	39.29	36.81	50.85	54.00	3.92	Peak

Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 6165MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12330.000	38.77	14.50	38.93	36.61	50.94	54.00	2.83	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12330.000	38.77	14.50	38.93	35.62	49.95	54.00	3.31	Peak

Mode	802.11ax-HE40	U-NII Band	5
		Frequency	TX 6405MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12810.000	39.14	14.69	38.07	34.57	50.33	54.00	2.19	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12810.000	39.14	14.69	38.07	35.28	51.04	54.00	2.43	Peak

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Mode	802.11ax-HE40	U-NII Band	6
		Frequency	TX 6445MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12890.000	39.46	14.72	37.90	35.28	51.55	54.00	1.42	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12890.000	39.46	14.72	37.90	33.98	50.26	54.00	1.76	Peak

Mode	802.11ax-HE40	U-NII Band	6
		Frequency	TX 6485MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12970.000	39.71	14.75	37.73	34.36	51.09	54.00	2.94	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12970.000	39.71	14.75	37.73	34.29	51.01	54.00	3.33	Peak

Mode	802.11ax-HE40	U-NII Band	7
		Frequency	TX 6525MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13050.000	39.85	14.78	37.59	33.48	50.51	54.00	2.80	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13050.000	39.85	14.78	37.59	32.68	49.71	54.00	2.70	Peak

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Mode	802.11ax-HE40	U-NII Band	7
		Frequency	TX 6685MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13370.000	40.64	14.89	37.12	32.09	50.50	54.00	2.80	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13370.000	40.64	14.89	37.12	31.74	50.15	54.00	2.54	Peak

Mode	802.11ax-HE40	U-NII Band	7
		Frequency	TX 6845MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13690.000	41.27	15.00	37.02	30.82	50.07	54.00	2.74	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13690.000	41.27	15.00	37.02	31.53	50.78	54.00	3.06	Peak

Mode	802.11ax-HE40	U-NII Band	8
		Frequency	TX 6885MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13770.000	41.44	15.03	37.06	31.03	50.44	54.00	3.01	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13770.000	41.44	15.03	37.06	30.39	49.80	54.00	3.57	Peak

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Mode	802.11ax-HE40	U-NII Band	8
		Frequency	TX 7005MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14010.000	42.02	15.12	37.18	31.42	51.37	54.00	2.93	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14010.000	42.02	15.12	37.18	31.81	51.76	54.00	2.27	Peak

Mode	802.11ax-HE40	U-NII Band	8
		Frequency	TX 7085MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14170.000	42.34	15.22	37.35	32.27	52.48	54.00	1.95	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14170.000	42.34	15.22	37.35	31.76	51.97	54.00	1.91	Peak

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Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 5985MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11970.000	39.03	14.32	39.31	35.38	49.41	54.00	4.20	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
11970.000	39.03	14.32	39.31	35.44	49.47	54.00	3.78	Peak

Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 6145MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12290.000	38.80	14.48	38.98	35.83	50.13	54.00	2.97	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12290.000	38.80	14.48	38.98	37.82	52.12	54.00	3.13	Peak

Mode	802.11ax-HE80	U-NII Band	5
		Frequency	TX 6385MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12770.000	39.07	14.67	38.15	35.89	51.48	54.00	1.66	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12770.000	39.07	14.67	38.15	35.20	50.79	54.00	2.86	Peak

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Mode	802.11ax-HE80	U-NII Band	6
		Frequency	TX 6465MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12930.000	39.59	14.73	37.82	34.43	50.94	54.00	2.89	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
12930.000	39.59	14.73	37.82	33.88	50.39	54.00	2.94	Peak

Mode	802.11ax-HE80	U-NII Band	6
		Frequency	TX 6545MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13090.000	39.89	14.79	37.53	33.31	50.46	54.00	2.08	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13090.000	39.89	14.79	37.53	33.90	51.05	54.00	2.59	Peak

Mode	802.11ax-HE80	U-NII Band	7
		Frequency	TX 6705MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13410.000	40.72	14.91	37.06	33.22	51.79	54.00	1.38	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13410.000	40.72	14.91	37.06	31.74	50.31	54.00	3.06	Peak

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Mode	802.11ax-HE80	U-NII Band	8
		Frequency	TX 6865MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13730.000	41.36	15.02	37.04	31.42	50.76	54.00	3.20	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13730.000	41.36	15.02	37.04	31.30	50.64	54.00	2.97	Peak

Mode	802.11ax-HE80	U-NII Band	8
		Frequency	TX 6945MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13890.000	41.68	15.07	37.12	30.86	50.49	54.00	2.40	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
13890.000	41.68	15.07	37.12	32.43	52.07	54.00	1.89	Peak

Mode	802.11ax-HE80	U-NII Band	8
		Frequency	TX 7025MHz

Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14050.000	42.10	15.14	37.22	31.91	51.93	54.00	1.58	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
14050.000	42.10	15.14	37.22	31.87	51.89	54.00	1.75	Peak

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A.2.3 Emissions in Non-restricted Frequency Bands

All unwanted emissions outside the restricted frequency bands comply with the limits specified in 47 CFR §15.209. No additional unwanted emission limits specified in the applicable FCC rule were applied.

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A.3 MAXIMUM POWER SPECTRAL DENSITY

Test Date	2025/10/28 ~ 29	Temp./Hum.	22 ~ 23℃/58 ~ 62%
Cable Loss	2.50dB	Tested By	Sean Wang
Test Voltage	DC 5V (Through jig via Notebook PC)		

A.3.1 Power Spectral Density Result

● OFDM Modulation

Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB) 10log(1/X)	Antenna Gain (dBi)		Max. Power Spectral Density (dBm/1MHz) Note 2	Limit (dBm/MHz)
			ANT 0	ANT 1		ANT 0	ANT 1		
802.11a	5	5975	-3.391	-2.642	0.872	-2.89	0.37	-1.40	-1
		6215	-3.813	-2.559		-1.31	-0.29	-1.98	
		6375	-2.951	-2.524		-0.50	-0.31	-1.96	
	6	6455	-5.425	-4.633		-0.50	-0.31	-4.07	
		6535	-6.017	-7.037		-0.70	-0.27	-5.85	
		6695	-7.327	-7.438		-0.89	0.13	-6.44	
	7	6855	-6.866	-6.895		-0.08	0.34	-5.68	
		6935	-5.164	-4.922		-0.04	-0.70	-4.33	
		7015	-4.737	-4.845		-0.73	-1.07	-4.60	
		7095	-5.649	-5.406		-0.73	-1.07	-5.51	

Note :1. All results have been included cable loss.

2. Max. Power Spectral Density (dBm/1MHz) (EIRP) = Max of each PSD (dBm/1MHz) (ANT 0 or ANT 1) + Antenna Gain (dBi) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

3. We only presented max result (worst case) plots for each test mode.

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Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total Power Spectral Density (dBm/1MHz) ^{Note 2}	Limit (dBm/MHz)
			ANT 0	ANT 1				
802.11ax-HE20	5	5955	-9.893	-9.661	1.918	-0.40	-5.25	-1
		6175	-10.938	-10.221		-0.40	-6.04	
		6415	-10.910	-10.659		-0.40	-6.25	
	6	6435	-11.672	-11.038		-0.40	-6.82	
		6475	-11.696	-11.355		-0.40	-6.99	
		6515	-12.929	-11.518		-0.40	-7.64	
	7	6535	-13.270	-12.560		0.14	-7.83	
		6695	-13.506	-12.563		0.14	-7.94	
		6855	-13.748	-12.907		0.14	-8.24	
	8	6875	-13.466	-11.819		-0.36	-8.00	
		6995	-12.959	-12.083		-0.36	-7.93	
		7115	-14.152	-13.992		-0.36	-9.50	
802.11ax-HE40	5	5965	-11.364	-10.386	3.045	-0.40	-5.19	
		6165	-11.772	-10.916		-0.40	-5.67	
		6405	-12.020	-11.012		-0.40	-5.83	
	6	6445	-13.679	-12.998		-0.40	-7.67	
		6485	-13.481	-13.833		-0.40	-8.00	
		6525	-14.134	-13.051		-0.40	-7.90	
	7	6685	-14.035	-13.495		0.14	-7.56	
		6845	-13.184	-13.968		0.14	-7.36	
		6885	-13.534	-12.834		0.14	-6.97	
	8	7005	-12.995	-14.215		-0.36	-7.87	
		7085	-14.042	-13.940		-0.36	-8.30	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

3. According to KDB 662911 D01 d) i), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

5925~6375MHz: Directional gain = $10 \log[(10^{-0.31/10} + 10^{0.5/10})/2] = -0.4$ dBi

6375~6525MHz: Directional gain = $10 \log[(10^{-0.31/10} + 10^{0.5/10})/2] = -0.4$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{0.34/10} + 10^{-0.08/10})/2] = 0.14$ dBi

6975~7125MHz: Directional gain = $10 \log[(10^{-0.7/10} + 10^{-0.04/10})/2] = -0.36$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. We only presented max result (worst case) plots for each test mode.

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Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) ^{Note3}	Total Power Spectral Density (dBm/1MHz) ^{Note2}	Limit (dBm/MHz)
			ANT 0	ANT 1				
802.11ax-HE80	5	5985	-12.491	-12.672	2.487	-0.40	-7.48	-1
		6145	-13.727	-12.345		-0.40	-7.88	
		6385	-12.863	-12.940		-0.40	-7.80	
	6	6465	-12.707	-12.794		-0.40	-7.65	
		6545	-14.735	-11.994		-0.40	-8.05	
		6705	-15.925	-15.402		0.14	-10.02	
	8	6865	-15.574	-14.199		-0.36	-9.70	
		6945	-14.657	-13.865		-0.36	-9.11	
		7025	-14.593	-14.699		-0.36	-9.51	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

3. According to KDB 662911 D01 d) i), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

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6525~6825MHz: Directional gain = $10 \log[(10^{0.34/10} + 10^{-0.08/10})/2] = 0.14$ dBi

6975~7125MHz: Directional gain = $10 \log[(10^{-0.7/10} + 10^{-0.04/10})/2] = -0.36$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

4. We only presented max result (worst case) plots for each test mode.

● OFDMA Modulation

Tones	RU Index	Modulation Type	U-NII Band	Centre Frequency (MHz)	Power Spectral Density (dBm/MHz)		Duty Cycle Factor (dB) 10log(1/X)	Directional Gain (dBi) Note3	Total Power Spectral Density (dBm/1MHz) Note2	Limit (dBm/MHz)
					ANT 0	ANT 1				
26T	0	802.11ax-HE20	5	5955	-10.667	-10.827	3.401	-0.40	-4.73	-1
52T	39	802.11ax-HE20	5	5955	-11.225	-11.496	2.840	-0.40	-5.91	
106T	53	802.11ax-HE20	5	5955	-10.508	-12.015	3.080	-0.40	-5.51	
242T	61	802.11ax-HE80	7	6705	-12.880	-15.398	3.401	0.14	-7.41	
484T	65	802.11ax-HE80	5	5985	-12.532	-14.379	3.449	-0.40	-7.30	

Note: 1. All results have been included cable loss [Please refer to KDB 662911 E 2) c)]

2. According to KDB 662911 D01 E)2)a), Total Power Spectral Density (dBm/1MHz) = Sum to individual PSD (dBm/1MHz) + Duty Cycle Factor (dB) when duty cycle is less than 98%. + Directional Gain.

3. According to KDB 662911 D01 d) i), transmit signals are completely uncorrelated, then

Directional gain = $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

5925~6375MHz: Directional gain = $10 \log[(10^{-0.31/10} + 10^{0.5/10})/2] = -0.4$ dBi

6375~6525MHz: Directional gain = $10 \log[(10^{-0.31/10} + 10^{0.5/10})/2] = -0.4$ dBi

6525~6825MHz: Directional gain = $10 \log[(10^{0.34/10} + 10^{-0.08/10})/2] = 0.14$ dBi

6975~7125MHz: Directional gain = $10 \log[(10^{-0.7/10} + 10^{-0.04/10})/2] = -0.36$ dBi

The MIMO is uncorrelated and supported SDM(Spatial Division Multiplexing) mode only. This radio device doesn't support beamforming and Cyclic Delay Diversity (CDD).

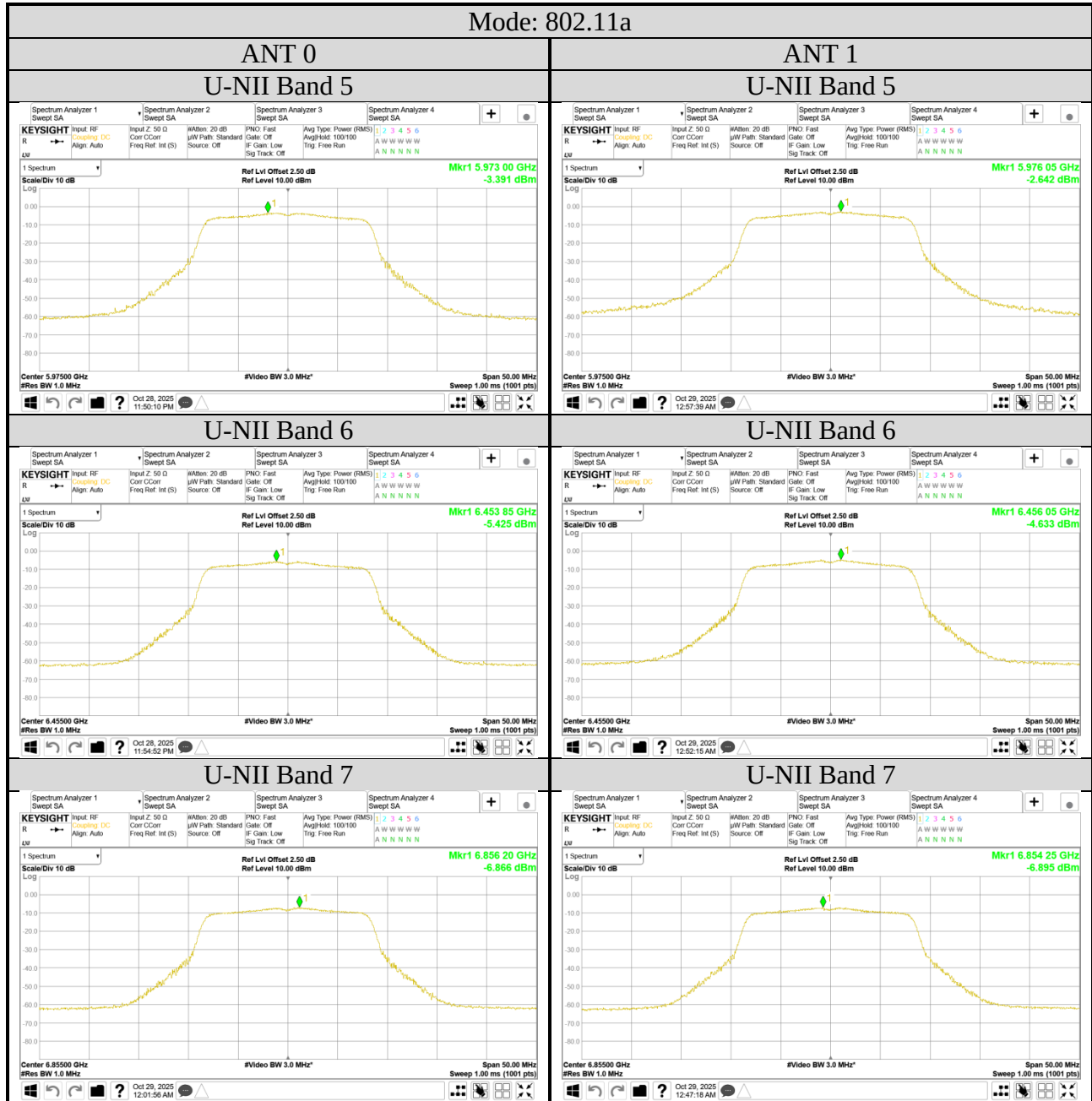
4. We only presented max result (worst case) plots for each test mode.

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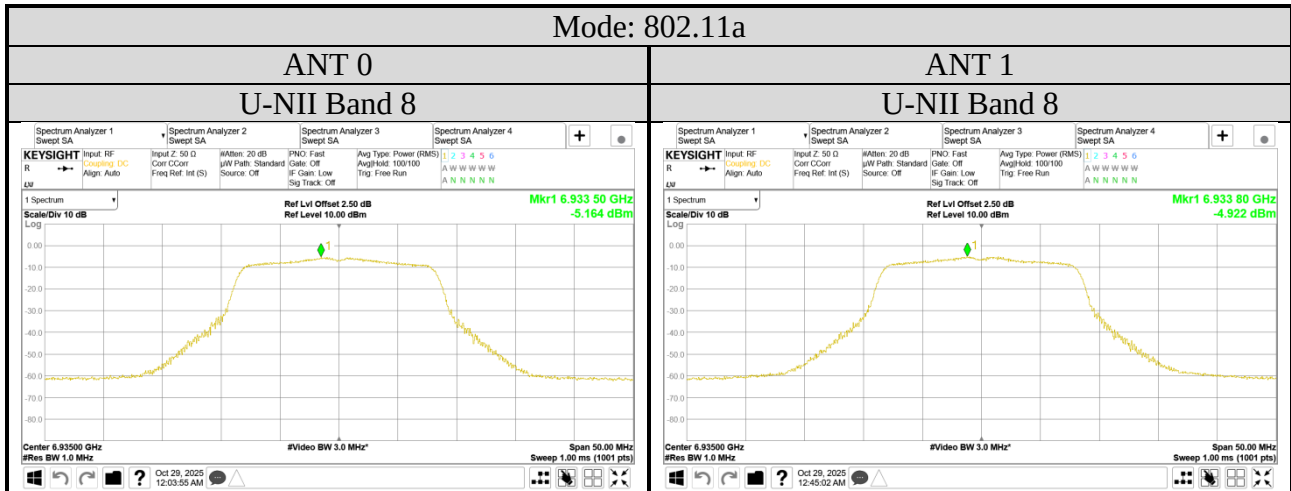
A.3.2 Measurement Plots

● OFDM Modulation



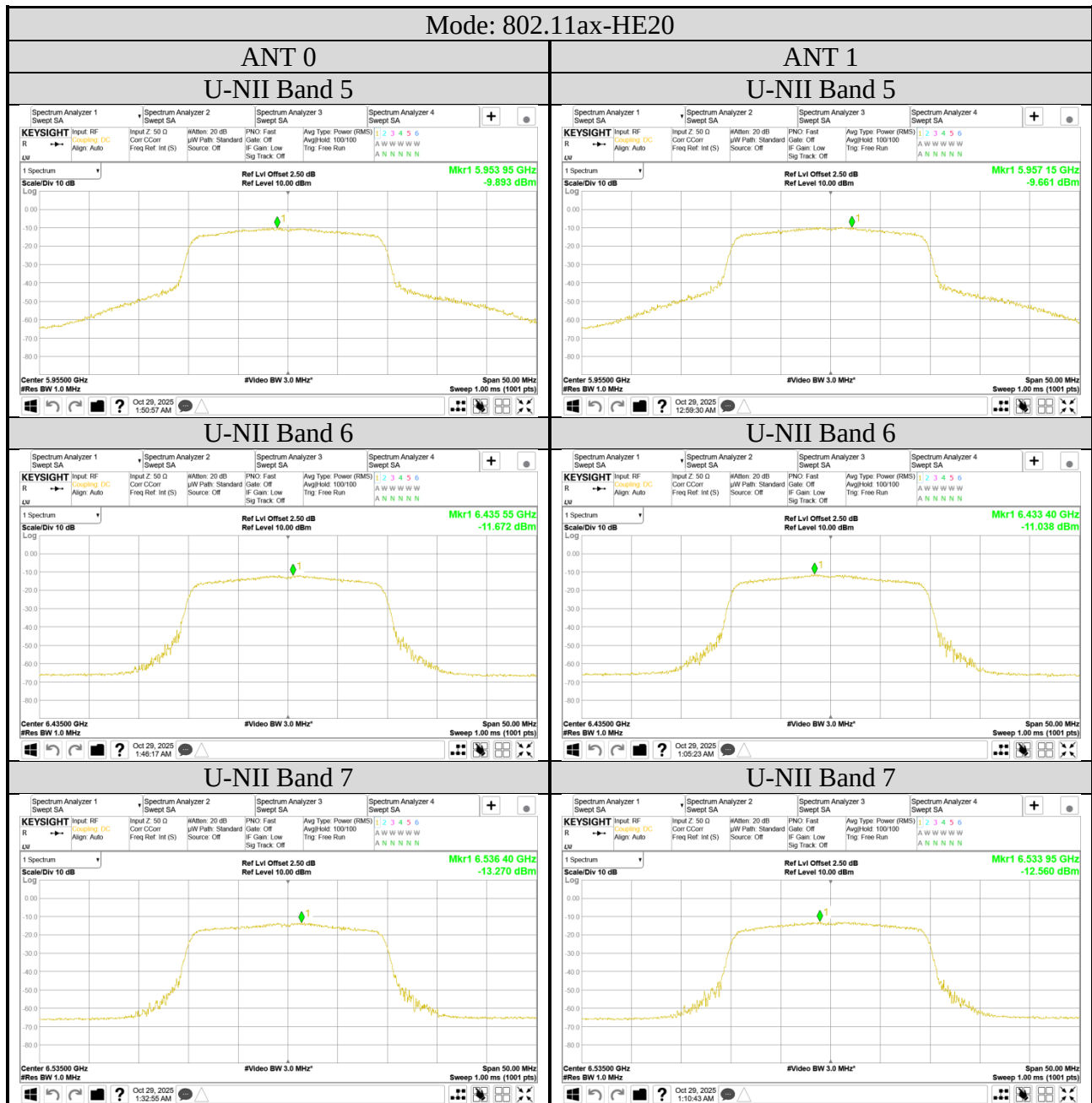
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