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No. : HM20020027

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110 III/120020027				
Applicant:	Vestel Elektronik Sanayi ve Ticaret A.S. Organize Sanayi Bölgesi, Yunusemre, Manisa 45030, Turkey			
Supplier / Manufacturer:	Vestel Elektronik Sanayi ve Ticaret A.S. Organize Sanayi Bölgesi, Yunusemre, Manisa 45030, Turkey			
Description of Sample(s):	Submitted sample(s) said to beProduct:Wi-Fi + BT Combo moduleBrand Name:VestelModel No.:17WFM25FCC ID:2AVQS-17WFM25			
Date Samples Received:	2021-02-17			
Date Tested:	2021-02-18 to 2021	-05-06		
Investigation Requested:	Perform ElectroMagnetic Interference measurement in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15: 2019 and ANSI C63.10:2013 for FCC Certification.			
Conclusions:	The submitted product <u>COMPLIED</u> with the requirements of Federal Communications Commission [FCC] Rules and Regulations Part 15. The tests were performed in accordance with the standards described above and on Section 2.2 in this Test Report.			
Remarks:	5GHz Wi-Fi			



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<u>1.0</u> General Details

1.1 Test Laboratory

1.2

The Hong Kong Standards and Testing Centre Ltd.EMC LaboratoryHead Office: 10 Dai Wang Street, Taipo Industrial Estate, Tai Po, N.T., Hong KongTelephone:852 2666 1888Fax:852 2664 4353

FCC Test Firm Registration Number <u>723883</u> Designation Number <u>HK0001</u>

Equipment Under Test [EUT]	
Description of Sample(s)	
Product:	Wi-Fi + BT Combo module
Manufacturer:	Vestel Elektronik Sanayi ve Ticaret A.S.
	Organize Sanayi Bölgesi, Yunusemre, Manisa 45030, Turkey
Brand Name:	Vestel
Model Number:	17WFM25
Rating:	4.75 – 5.25Vd.c

1.2.1 Description of EUT Operation

The Equipment Under Test (EUT) is a wireless module. The tests were conducted under RF Test mode to maintain continuous transmission with Max. duty cycle during test. The transmission signal is digital modulated with channel frequency range 5150 -5350, 5470-5725 and 5725-5850MHz. The EUT does not supported Ad-Hoc function.

1.3 Date of Order

2020-02-12

1.4 Submitted Sample(s):

1 Sample

1.5 Test Duration

2020-02-18 to 2021-05-06

1.6 Country of Origin

China

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1.7 **RF Module Details**

Module Model Number:	N/A
Module FCC ID:	N/A
Module Transmission Type:	802.11 a/n/ac
Modulation:	OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Data Rates:	802.11a (6Mbps), 802.11n(MSC0), 802.11ac(MSC0)
	300Mbps (Max)
Frequency Range:	5150 -5350, 5470-5725 and 5725-5850
Carrier Frequencies:	Refer to channel list below
Antenna Type:	Printed PIFA antenna or External antenna

Antenna Gain:

Refer to the EUT's antenna guide, there are three options of the EUT:

	Antenna 0	Antenna 1
Option 1	Printed PIFA antenna	Printed PIFA antenna
Option 2	JCW601	Printed PIFA antenna
Option 3	WS.01.B.305151	Printed PIFA antenna

Option 1 (Printed PIFA antenna)

ĺ		5150 – 5350 MHz	5470 – 5725 MHz	5725 – 5850 MHz
	Antenna 0	2.97 dBi	3.69 dBi	2.89 dBi
	Antenna 1	3.70 dBi	3.68 dBi	2.83 dBi

Option 2 (External antenna - JCW601)

option 2 (Enternar antenna ve (voor)			
	5150 – 5350 MHz	5470 – 5725 MHz	5725 – 5850 MHz
Antenna 0	3.00 dBi	3.00 dBi	3.00 dBi
Antenna 1	3.70 dBi	3.68 dBi	2.83 dBi

Option 3 (External antenna - Taoglas_WS.01.B.305151)

	5150 – 5350 MHz	5470 – 5725 MHz	5725 – 5850 MHz	
Antenna 0	4.74 dBi			
Antenna 1	3.70 dBi	3.68 dBi	2.83 dBi	
*5470 5850 MUZ SISO only				

*5470 – 5850 MHz SISO only

Directional Gain

	5150 – 5350 MHz	5470 – 5725 MHz	5725 – 5850 MHz
Option 1	6.4 dBi	6.7 dBi	5.9 dBi
Option 2	6.4 dBi	6.4 dBi	5.9 dBi
Option 3	7.2 dBi		

Directional Gain calculation refer to KDB 662911 D01

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1.8 **Channel List**

802.11a/n (HT20), 802.11ac (VHT20)

Channel	Frequency (GHz)	Channel	Frequency (GHz)
36	5180	120	5600
40	5200	124	5620
48	5240	128	5640
52	5260	132	5660
56	5280	136	5680
60	5300	140	5700
64	5320	149	5745
100	5500	153	5765
104	5520	157	5785
108	5540	161	5805
112	5560	165	5825
116	5580		

802.11n (HT40), 802.11ac (VHT40)

Channel	Frequency (GHz)	Channel	Frequency (GHz)
38	5190	118	5590
46	5230	126	5630
54	5270	134	5670
62	5310	151	5755
102	5510	159	5795
110	5550		

802.11ac (VHT80)

Channel	Frequency (GHz)	Channel	Frequency (GHz)
42	5210		
58	5290		
106	5530		
122	5610		
155	5775		

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<u>2.0</u> <u>Technical Details</u>

2.1 Investigations Requested

Perform Electromagnetic Interference measurements in accordance with FCC 47CFR [Codes of Federal Regulations] Part 15: 2019 Regulations and ANSI C63.10:2013 for FCC Certification. According FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01. The device was realized by test software.

2.2 Test Standards and Results Summary Tables

EMISSION Results Summary							
Test Condition	Test Requirement	Test Method	Class /	Т	Test Result		
			Severity	Pass	Failed	N/A	
Maximum Peak Output Power	FCC 47CFR 407 (a)	ANSI C63.10: 2013	N/A	\boxtimes			
Radiated Spurious Emissions	FCC 47CFR 15.205, 15.209	ANSI C63.10: 2013	N/A				
Unwanted Emissions	FCC 47CFR 15.407 (b)	ANSI C63.10: 2013	N/A	\boxtimes			
Power Spectral Density	FCC 47CFR 15.407(a)	ANSI C63.10: 2013	N/A	\boxtimes			
6dB and 26dB Bandwidth	FCC 47CFR 15.407 (i)	ANSI C63.10: 2013	N/A	\boxtimes			
AC Mains Conducted Emissions	FCC 47CFR 15.207	ANSI C63.10: 2013	N/A				
Frequency stability	FCC 47CFR 407 (g)	ANSI C63.10: 2013	N/A	\boxtimes			
Antenna requirement	FCC 47CFR 15.203 &407 (a)	N/A	N/A				
RF Exposure	FCC 47CFR 2.1093	N/A	N/A	\square			

Note: N/A - Not Applicable

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2.3 Table for Test Modes

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate in the table below is the worst case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

		Test Conditions			
Test software		MT7668 Q	A 0.0.1.94		
		802	.11a		
	5150 – 5250 MHz	5250 – 5350 MHz	5470 – 5725 MHz	5725 – 5850 MHz	
	11	1B	1B	21	
		802.11n (HT20) / 3	802.11ac (VHT20)		
	5150 – 5250 MHz	5250 – 5350 MHz	5470 – 5725 MHz	5725 – 5850 MHz	
	11	1B	1B	23	
Power level setting	802.11n (HT40) / 802.11ac (VHT40)				
	5150 – 5250 MHz	5250 – 5350 MHz	5470 – 5725 MHz	5725 – 5850 MHz	
	1A	1C	1F	1F	
	802.11ac (VHT80)				
	5150 – 5250 MHz	5250 – 5350 MHz	5470 – 5725 MHz	5725 – 5850 MHz	
	1C	1C	1C	1C	
		802	.11a		
Type of modulation		802.11n H	Г20 / НТ40		
		802.11ac VHT20	/ VHT40 / VHT80		
EUT firmware		V0.5	5.0.0		

Duty Cycle				
802.11a	≥98%			
802.11n (HT20 / HT40)	≥98%			
802.11ac (VHT20 / VHT40 / VHT80)	≥98%			

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3.0 Test Results

3.1 Emission

3.1.1 Maximum Peak Output Power

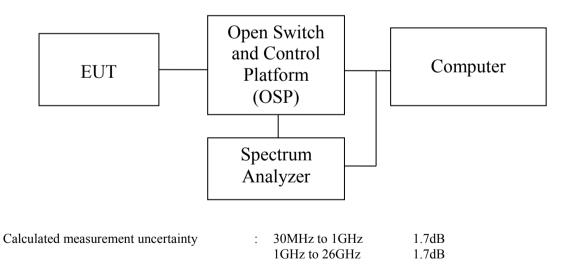
Test Requirement:	
Test Method:	
Test Date:	
Mode of Operation:	

FCC 47CFR 15.407(a) ANSI C63.10: 2013 2021-03-05 to 2021-03-10 Tx mode (802.11a/n/ac)

Test Method:

The RF output of the EUT was connected to the Open Switch and Control Platform (OSP). All the attenuation or cable loss will be added to the measured maximum output power. The results are recorded in dBm.

Test Setup:



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Antenna 0						
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)		
36	5180	4.54	6.57	24.0		
40	5200	4.29	6.32	24.0		
48	5240	3.37	5.28	24.0		
52	5260	22.96	13.61	24.0		
56	5280	26.55	14.24	24.0		
64	5320	23.55	13.72	24.0		
100	5500	26.55	14.24	24.0		
120	5600	24.21	13.84	24.0		
140	5700	24.95	13.97	24.0		
149	5745	24.60	13.91	30.0		
157	5785	26.92	14.30	30.0		
165	5825	29.92	14.76	30.0		

		Antenna	1	
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)
36	5180	4.63	6.66	24.0
40	5200	4.09	6.12	24.0
48	5240	3.40	5.31	24.0
52	5260	21.09	13.24	24.0
56	5280	24.72	13.93	24.0
64	5320	22.86	13.59	24.0
100	5500	24.38	13.87	24.0
120	5600	23.99	13.80	24.0
140	5700	26.24	14.19	24.0
149	5745	25.12	14.00	30.0
157	5785	27.93	14.46	30.0
165	5825	30.83	14.89	30.0

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		Antenna 0		
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)
36	5180	5.90	7.71	24.0
40	5200	5.37	7.30	24.0
48	5240	4.29	6.32	24.0
52	5260	18.24	12.61	24.0
56	5280	21.18	13.26	24.0
64	5320	18.92	12.77	24.0
100	5500	25.23	14.02	24.0
120	5600	23.12	13.64	24.0
140	5700	20.51	13.12	24.0
149	5745	24.95	13.97	30.0
157	5785	27.10	14.33	30.0
165	5825	30.27	14.81	30.0

	Antenna 1							
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)				
36	5180	4.39	6.42	24.0				
40	5200	4.26	6.29	24.0				
48	5240	3.55	5.50	24.0				
52	5260	16.03	12.05	24.0				
56	5280	18.88	12.76	24.0				
64	5320	17.70	12.48	24.0				
100	5500	25.53	14.07	24.0				
120	5600	25.23	14.02	24.0				
140	5700	20.18	13.05	24.0				
149	5745	23.99	13.80	30.0				
157	5785	27.99	14.47	30.0				
165	5825	25.18	14.01	30.0				

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	Results of Tx Mode: Pass (TX Unit) (802.11n HT20 - MIMO) Maximum conducted output power							
Maximur		Antenna 0	Antenna 1	Total	Total			
Ch.	Frequency (MHz)	Output Power	Output Power	Output Power	Output Power	Limit (dBm)		
		(mW)	(mW)	(mW)	(dBm)			
36	5180	5.90	4.39	10.29	10.12	22.8		
40	5200	5.37	4.26	9.63	9.84	22.8		
48	5240	4.29	3.55	7.84	8.94	22.8		
52	5260	18.24	16.03	34.27	15.35	22.8		
56	5280	21.18	18.88	40.06	16.03	22.8		
64	5320	18.92	17.70	36.62	15.64	22.8		
100	5500	25.23	25.53	50.76	17.06	23.3		
120	5600	23.12	25.23	48.35	16.84	23.3		
140	5700	20.51	20.18	40.69	16.09	23.3		
149	5745	24.95	23.99	48.94	16.90	30.0		
157	5785	27.10	27.99	55.09	17.41	30.0		
165	5825	30.27	25.18	55.45	17.44	30.0		

Directional Gain calculation refer to KDB 662911 D01

EUT antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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Antenna 0							
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)			
38	5190	15.17	11.81	24.0			
46	5230	11.69	10.68	24.0			
54	5270	20.61	13.14	24.0			
62	5310	20.80	13.18	24.0			
102	5510	23.82	13.77	24.0			
118	5590	18.84	12.75	24.0			
134	5670	18.03	12.56	24.0			
151	5755	14.55	11.63	30.0			
159	5795	18.11	12.58	30.0			

	Antenna 1						
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)			
38	5190	15.49	11.90	24.0			
46	5230	12.19	10.86	24.0			
54	5270	19.59	12.92	24.0			
62	5310	20.99	13.22	24.0			
102	5510	22.75	13.57	24.0			
118	5590	21.73	13.37	24.0			
134	5670	19.95	13.00	24.0			
151	5755	15.45	11.89	30.0			
159	5795	19.45	12.89	30.0			

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Resu	Results of Tx Mode: Pass (TX Unit) (802.11n HT40 - MIMO)								
Maxi	imum conduc	ted output power							
Ch.	Frequency (MHz)	Antenna 0 Output Power (mW)	Antenna 1 Output Power (mW)	Total Output Power (mW)	Total Output Power (dBm)	Limit (dBm)			
38	5190	15.17	15.49	30.66	14.87	22.8			
46	5230	11.69	12.19	23.88	13.78	22.8			
54	5270	20.61	19.59	40.20	16.04	22.8			
62	5310	20.80	20.99	41.79	16.21	22.8			
102	5510	23.82	22.75	46.57	16.68	23.3			
118	5590	18.84	21.73	40.57	16.08	23.3			
134	5670	18.03	19.95	37.98	15.80	23.3			
151	5755	14.55	15.45	30.00	14.77	30.0			
159	5795	18.11	19.45	37.56	15.75	30.0			

Directional Gain calculation refer to KDB 662911 D01

EUT antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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		Antenna 0		
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)
36	5180	6.12	7.87	24.0
40	5200	6.03	7.80	24.0
48	5240	4.78	6.79	24.0
52	5260	25.12	14.00	24.0
56	5280	30.69	14.87	24.0
64	5320	26.67	14.26	24.0
100	5500	28.51	14.55	24.0
120	5600	25.41	14.05	24.0
140	5700	22.23	13.47	24.0
149	5745	28.05	14.48	30.0
157	5785	31.84	15.03	30.0
165	5825	34.83	15.42	30.0

	Antenna 1					
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)		
36	5180	5.11	7.08	24.0		
40	5200	4.86	6.87	24.0		
48	5240	3.81	5.81	24.0		
52	5260	16.63	12.21	24.0		
56	5280	20.65	13.15	24.0		
64	5320	23.12	13.64	24.0		
100	5500	27.04	14.32	24.0		
120	5600	27.10	14.33	24.0		
140	5700	22.96	13.61	24.0		
149	5745	29.44	14.69	30.0		
157	5785	32.66	15.14	30.0		
165	5825	35.65	15.52	30.0		

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Results of	Results of Tx Mode: Pass (TX Unit) (802.11ac VHT20 - MIMO)							
Maximur	n conducted outpu	ut power						
Ch.	Frequency (MHz)	Antenna 0 Output Power (mW)	Antenna 1 Output Power (mW)	Total Output Power (mW)	Total Output Power (dBm)	Limit (dBm)		
36	5180	6.12	5.11	11.23	10.50	22.8		
40	5200	6.03	4.86	10.89	10.37	22.8		
48	5240	4.78	3.81	8.59	9.34	22.8		
52	5260	25.12	16.63	41.75	16.21	22.8		
56	5280	30.69	20.65	51.34	17.10	22.8		
64	5320	26.67	23.12	49.79	16.97	22.8		
100	5500	28.51	27.04	55.55	17.45	23.3		
120	5600	25.41	27.1	52.51	17.20	23.3		
140	5700	22.23	22.96	45.19	16.55	23.3		
149	5745	28.05	29.44	57.49	17.60	30.0		
157	5785	31.84	32.66	64.50	18.10	30.0		
165	5825	34.83	35.65	70.48	18.50	30.0		

Directional Gain calculation refer to KDB 662911 D01

EUT antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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		Antenna 0		
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)
38	5190	16.90	12.28	24.0
46	5230	13.15	11.19	24.0
54	5270	23.07	13.63	24.0
62	5310	23.50	13.71	24.0
102	5510	27.23	14.35	24.0
118	5590	21.48	13.32	24.0
134	5670	20.75	13.17	24.0
151	5755	16.63	12.21	30.0
159	5795	20.70	13.16	30.0

	Antenna 1					
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)		
38	5190	17.02	12.31	24.0		
46	5230	13.43	11.28	24.0		
54	5270	23.77	13.76	24.0		
62	5310	24.21	13.84	24.0		
102	5510	27.04	14.32	24.0		
118	5590	25.41	14.05	24.0		
134	5670	22.65	13.55	24.0		
151	5755	17.18	12.35	30.0		
159	5795	22.65	13.55	30.0		

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Resu	Results of Tx Mode: Pass (TX Unit) (802.11ac VHT40 - MIMO)									
Maxi	Maximum conducted output power									
Ch.	Frequency (MHz)	Antenna 0 Output Power (mW)	Antenna 1 Output Power (mW)	Total Output Power (mW)	Total Output Power (dBm)	Limit (dBm)				
38	5190	16.90	17.02	33.92	15.30	22.8				
46	5230	13.15	13.43	26.58	14.25	22.8				
54	5270	23.07	23.77	46.84	16.71	22.8				
62	5310	23.50	24.21	47.71	16.79	22.8				
102	5510	27.23	27.04	54.27	17.35	23.3				
118	5590	21.48	25.41	46.89	16.71	23.3				
134	5670	20.75	22.65	43.40	16.37	23.3				
151	5755	16.63	17.18	33.81	15.29	30.0				
159	5795	20.70	22.65	43.35	16.37	30.0				

Directional Gain calculation refer to KDB 662911 D01

EUT antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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Results of Tx Mode: Pass (TX Unit) (802.11ac VHT80) Maximum conducted output power						
Antenna 0						
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)		
42	5210	21.33	13.29	24.0		
58	5290	23.55	13.72	24.0		
106	5530	23.12	13.64	24.0		
122	5610	21.73	13.37	24.0		
155	5775	17.62	12.46	30.0		

Antenna 1					
Ch.	Frequency (MHz)	Output Power (mW)	Output Power (dBm)	Limit (dBm)	
42	5210	21.63	13.35	24.0	
58	5290	23.55	13.72	24.0	
106	5530	24.32	13.86	24.0	
122	5610	25.41	14.05	24.0	
155	5775	19.14	12.82	30.0	

	Results of Tx Mode: Pass (TX Unit) (802.11ac VHT80 - MIMO) Maximum conducted output power								
Ch.	Frequency (MHz)	Antenna 0 Output Power (mW)	Antenna 1 Output Power (mW)	Total Output Power (mW)	Total Output Power (dBm)	Limit (dBm)			
42	5210	21.33	21.63	42.96	16.33	22.8			
58	5290	23.55	23.55	47.10	16.73	22.8			
106	5530	23.12	24.32	47.44	16.76	23.3			
122	5610	21.73	25.41	47.14	16.73	23.3			
155	5775	17.62	19.14	36.76	15.65	30.0			

Directional Gain calculation refer to KDB 662911 D01

EUT antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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3.1.2 Radiated Emissions

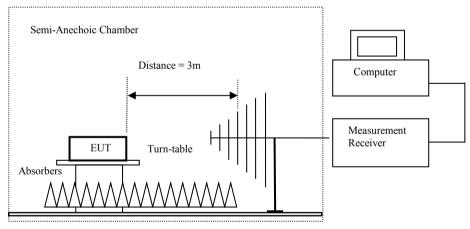
Test Requirement:
Test Method:
Test Date:
Mode of Operation:

FCC 47CFR 15.209 and FCC 47CFR 15.407 ANSI C63.10:2013 2021-03-11 to 2021-04-21 Tx mode (802.11 a/n/ac)

Test Method:

For emission measurements at or below 1 GHz, the sample was placed 0.8m above the ground plane of semianechoic Chamber*. For emission measurements above 1 GHz, the sample was placed 1.5m above the ground plane of semi-anechoic Chamber*. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages. The measured field strength would be calculated as EIRP.

Test Setup:



Ground Plane

- Absorbers placed on top of the ground plane are for measurements above 1000MHz only.

- Measurements between 30MHz to 1000MHz made with Bi-log antennas, above 1000MHz horn antennas are used, 9kHz to 30MHz loop antennas are used.

-For emissions testing at or below 1 GHz, the table height shall be 80 cm above the reference ground

plane. For emission measurements above 1 GHz, the table height shall be 1.5 m.

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Limits for Radiated Emissions FCC 47 CFR 15.209 Class B:

Frequency Range	Quasi-Peak Limits
[MHz]	[µV/m]
0.009-0.490	2400/F (kHz)
0.490-1.705	24000/F (kHz)
1.705-30	30
30-88	100
88-216	150
216-960	200
Above 960	500

The emission limits shown in the above table are based on measurement employing a CISPR quasi-peak detector and above 1000MHz are based on measurements employing an average detector.

Limit for unwanted Emission for out of band emission above 1GHz:

Frequency Range	Peak Limits	Average Limits	Substitution Method (Peak Limits)
[MHz]	$[dB\mu V/m]$	$[dB\mu V/m]$	$[dBm] / [dB\mu V/m]$
Above 1GHz	74.0	54.0	-27 / 68.2

Remarks:

Calculated measurement uncertainty	:	9kHz-30MHz	3.3dB
		30MHz -1GHz	4.6dB
		1GHz – 40GHz	5.2dB



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Antenna option 1

Result of Tx mode (802.11a) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	РК	1	53.2	68.2	-15.0
*15540.0	V	РК	1	57.8	74.0	-16.2
*15540.0	V	AV	1	47.5	54.0	-6.5
10360.0	Н	РК	1	53.5	68.2	-14.7
*15540.0	Н	РК	1	57.6	74.0	-16.4
*15540.0	Н	AV	1	47.2	54.0	-6.8

Result of Tx mode (802.11a) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	РК	1	52.8	68.2	-15.4
*15600.0	V	РК	1	58.2	74.0	-15.8
*15600.0	V	AV	1	47.5	54.0	-6.5
10400.0	Н	РК	1	51.8	68.2	-16.4
*15600.0	Н	РК	1	57.8	74.0	-16.2
*15600.0	Н	AV	1	47.2	54.0	-6.8

Result of Tx mode (802.11a) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	PK	1	54.4	68.2	-13.8
*15720.0	V	PK	1	58.0	74.0	-16.0
*15720.0	V	AV	1	47.4	54.0	-6.6
10480.0	Н	PK	1	53.3	68.2	-14.9
*15720.0	Н	РК	1	57.8	74.0	-16.2
*15720.0	Н	AV	1	47.3	54.0	-6.7

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11a) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	PK	1	54.8	68.2	-13.4
*15780.0	V	PK	1	58.1	74.0	-15.9
*15780.0	V	AV	1	47.3	54.0	-6.7
10520.0	Н	PK	1	54.5	68.2	-13.7
*15780.0	Н	PK	1	58.4	74.0	-15.6
*15780.0	Н	AV	1	47.9	54.0	-6.1

Result of Tx mode (802.11a) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	56.1	68.2	-12.1
*15840.0	V	РК	1	57.1	74.0	-16.9
*15840.0	V	AV	1	47.6	54.0	-6.4
10560.0	Н	РК	1	54.5	68.2	-13.7
*15840.0	Н	РК	1	58.5	74.0	-15.5
*15840.0	Н	AV	1	47.8	54.0	-6.2

Result of Tx mode (802.11a) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	PK	1	55.6	68.2	-12.6
*15960.0	V	PK	1	57.6	74.0	-16.4
*15960.0	V	AV	1	46.8	54.0	-7.2
10640.0	Н	PK	1	55.8	68.2	-12.4
*15960.0	Н	PK	1	57.2	74.0	-16.8
*15960.0	Н	AV	1	46.3	54.0	-7.7

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11a) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	55.1	74.0	-18.9
*11000.0	V	AV	1	44.6	54.0	-9.4
16500.0	V	РК	1	60.4	68.2	-7.8
*11000.0	Н	РК	1	54.2	74.0	-19.8
*11000.0	Н	AV	1	44.5	54.0	-9.5
16500.0	Н	РК	1	60.4	68.2	-7.8

Result of Tx mode (802.11a) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	PK	1	56.0	74.0	-18.0
*11200.0	V	AV	1	45.4	54.0	-8.6
16800.0	V	РК	1	60.7	68.2	-7.5
*11200.0	Н	РК	1	54.8	74.0	-19.2
*11200.0	Н	AV	1	45.3	54.0	-8.7
16800.0	Н	РК	1	60.4	68.2	-7.8

Result of Tx mode (802.11a) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	PK	1	54.9	74.0	-19.1
*11400.0	V	AV	1	45.0	54.0	-9.0
17100.0	V	PK	1	61.1	68.2	-7.1
*11400.0	Н	PK	1	54.3	74.0	-19.7
*11400.0	Н	AV	1	44.3	54.0	-9.7
17100.0	Н	РК	1	60.4	68.2	-7.8

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11a) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	РК	1	55.0	74.0	-19.0
*11490.0	V	AV	1	44.9	54.0	-9.1
17235.0	V	РК	1	61.5	68.2	-6.7
*11490.0	Н	РК	1	55.8	74.0	-18.2
*11490.0	Н	AV	1	44.7	54.0	-9.3
17235.0	Н	РК	1	60.9	68.2	-7.3

Result of Tx mode (802.11a) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	PK	1	55.4	74.0	-18.6
*11570.0	V	AV	1	44.6	54.0	-9.4
17355.0	V	РК	1	62.1	68.2	-6.1
*11570.0	Н	РК	1	60.1	74.0	-13.9
*11570.0	Н	AV	1	49.1	54.0	-4.9
17355.0	Н	РК	1	61.1	68.2	-7.1

Result of Tx mode (802.11a) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	PK	1	58.8	74.0	-15.2
*11650.0	V	AV	1	48.2	54.0	-5.8
17475.0	V	PK	1	62.3	68.2	-5.9
*11650.0	Н	PK	1	58.4	74.0	-15.6
*11650.0	Н	AV	1	47.5	54.0	-6.5
17475.0	Н	РК	1	62.1	68.2	-6.1

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11n HT20) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	РК	1	52.9	68.2	-15.3
*15540.0	V	РК	1	58.6	74.0	-15.4
*15540.0	V	AV	1	47.6	54.0	-6.4
10360.0	Н	РК	1	52.0	68.2	-16.2
*15540.0	Н	РК	1	59.4	74.0	-14.6
*15540.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11n HT20) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	РК	1	53.7	68.2	-14.5
*15600.0	V	РК	1	58.9	74.0	-15.1
*15600.0	V	AV	1	48.1	54.0	-5.9
10400.0	Н	РК	1	53.1	68.2	-15.1
*15600.0	Н	РК	1	58.1	74.0	-15.9
*15600.0	Н	AV	1	47.8	54.0	-6.2

Result of Tx mode (802.11n HT20) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	РК	1	53.5	68.2	-14.7
*15720.0	V	РК	1	58.0	74.0	-16.0
*15720.0	V	AV	1	47.9	54.0	-6.1
10480.0	Н	РК	1	53.3	68.2	-14.9
*15720.0	Н	РК	1	57.7	74.0	-16.3
*15720.0	Н	AV	1	47.7	54.0	-6.3

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11n HT20) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	PK	1	54.8	68.2	-13.4
*15780.0	V	PK	1	58.4	74.0	-15.6
*15780.0	V	AV	1	47.7	54.0	-6.3
10520.0	Н	PK	1	53.9	68.2	-14.3
*15780.0	Н	PK	1	58.0	74.0	-16.0
*15780.0	Н	AV	1	47.8	54.0	-6.2

Result of Tx mode (802.11n HT20) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	54.2	68.2	-14.0
*15840.0	V	РК	1	58.0	74.0	-16.0
*15840.0	V	AV	1	47.9	54.0	-6.1
10560.0	Н	РК	1	54.5	68.2	-13.7
*15840.0	Н	РК	1	57.6	74.0	-16.4
*15840.0	Н	AV	1	47.8	54.0	-6.2

Result of Tx mode (802.11n HT20) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	PK	1	55.9	68.2	-12.3
*15960.0	V	PK	1	57.2	74.0	-16.8
*15960.0	V	AV	1	46.8	54.0	-7.2
10640.0	Н	PK	1	55.0	68.2	-13.2
*15960.0	Н	РК	1	57.4	74.0	-16.6
*15960.0	Н	AV	1	46.8	54.0	-7.2

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11n HT20) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	55.9	74.0	-18.1
*11000.0	V	AV	1	44.9	54.0	-9.1
16500.0	V	РК	1	59.4	68.2	-8.8
*11000.0	Н	РК	1	54.6	74.0	-19.4
*11000.0	Н	AV	1	44.6	54.0	-9.4
16500.0	Н	РК	1	60.2	68.2	-8.0

Result of Tx mode (802.11n HT20) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	PK	1	56.3	74.0	-17.7
*11200.0	V	AV	1	45.4	54.0	-8.6
16800.0	V	PK	1	61.5	68.2	-6.7
*11200.0	Н	РК	1	55.7	74.0	-18.3
*11200.0	Н	AV	1	45.6	54.0	-8.4
16800.0	Н	РК	1	61.1	68.2	-7.1

Result of Tx mode (802.11n HT20) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	PK	1	55.2	74.0	-18.8
*11400.0	V	AV	1	45.0	54.0	-9.0
17100.0	V	PK	1	61.5	68.2	-6.7
*11400.0	Н	PK	1	55.8	74.0	-18.2
*11400.0	Н	AV	1	44.5	54.0	-9.5
17100.0	Н	РК	1	60.7	68.2	-7.5

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11n HT20) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	РК	1	55.6	74.0	-18.4
*11490.0	V	AV	1	44.8	54.0	-9.2
17235.0	V	РК	1	61.2	68.2	-7.0
*11490.0	Н	РК	1	55.5	74.0	-18.5
*11490.0	Н	AV	1	44.6	54.0	-9.4
17235.0	Н	РК	1	61.4	68.2	-6.8

Result of Tx mode (802.11n HT20) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	РК	1	55.0	74.0	-19.0
*11570.0	V	AV	1	44.6	54.0	-9.4
17355.0	V	РК	1	62.1	68.2	-6.1
*11570.0	Н	РК	1	54.5	74.0	-19.5
*11570.0	Н	AV	1	44.3	54.0	-9.7
17355.0	Н	РК	1	61.6	68.2	-6.6

Result of Tx mode (802.11n HT20) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	PK	1	55.6	74.0	-18.4
*11650.0	V	AV	1	45.0	54.0	-9.0
17475.0	V	РК	1	61.5	68.2	-6.7
*11650.0	Н	РК	1	55.1	74.0	-18.9
*11650.0	Н	AV	1	44.5	54.0	-9.5
17475.0	Н	РК	1	61.0	68.2	-7.2

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11n HT40) (5190.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10380.0	V	PK	1	55.0	68.2	-13.2
*15570.0	V	PK	1	59.3	74.0	-14.7
*15570.0	V	AV	1	47.9	54.0	-6.1
10380.0	Н	PK	1	52.8	68.2	-15.4
*15570.0	Н	PK	1	57.4	74.0	-16.6
*15570.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11n HT40) (5230.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10460.0	V	РК	1	53.9	68.2	-14.3
*15690.0	V	РК	1	58.5	74.0	-15.5
*15690.0	V	AV	1	47.6	54.0	-6.4
10460.0	Н	РК	1	52.4	68.2	-15.8
*15690.0	Н	РК	1	58.1	74.0	-15.9
*15690.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11n HT40) (5270.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10540.0	V	PK	1	54.9	68.2	-13.3
*15810.0	V	PK	1	57.7	74.0	-16.3
*15810.0	V	AV	1	47.9	54.0	-6.1
10540.0	Н	РК	1	54.4	68.2	-13.8
*15810.0	Н	РК	1	57.2	74.0	-16.8
*15810.0	Н	AV	1	48.3	54.0	-5.7

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11n HT40) (5310.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*10620.0	V	PK	1	56.7	74.0	-17.3
*10620.0	V	AV	1	45.6	54.0	-8.4
*15930.0	V	PK	1	58.4	74.0	-15.6
*15930.0	V	AV	1	46.8	54.0	-7.2
*10620.0	Н	PK	1	56.2	74.0	-17.8
*10620.0	Н	AV	1	44.9	54.0	-9.1
*15930.0	Н	PK	1	57.7	74.0	-16.3
*15930.0	Н	AV	1	47.0	54.0	-7.0

Result of Tx mode (802.11n HT40) (5510.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11020.0	V	РК	1	55.7	74.0	-18.3
*11020.0	V	AV	1	44.7	54.0	-9.3
16530.0	V	РК	1	60.0	68.2	-8.2
*11020.0	Н	РК	1	55.6	74.0	-18.4
*11020.0	Н	AV	1	44.6	54.0	-9.4
16530.0	Н	РК	1	60.2	68.2	-8.0

Result of Tx mode (802.11n HT40) (5590.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11180.0	V	PK	1	55.5	74.0	-18.5
*11180.0	V	AV	1	45.1	54.0	-8.9
16770.0	V	PK	1	60.9	68.2	-7.3
*11180.0	Н	PK	1	55.7	74.0	-18.3
*11180.0	Н	AV	1	44.8	54.0	-9.2
16770.0	Н	РК	1	60.4	68.2	-7.8

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11n HT40) (5670.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11340.0	V	PK	1	55.6	74.0	-18.4
*11340.0	V	AV	1	44.6	54.0	-9.4
17010.0	V	РК	1	61.1	68.2	-7.1
*11340.0	Н	РК	1	56.7	74.0	-17.3
*11340.0	Н	AV	1	44.9	54.0	-9.1
17010.0	Н	РК	1	60.4	68.2	-7.8

Result of Tx mode (802.11n HT40) (5755.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11510.0	V	РК	1	54.6	74.0	-19.4
*11510.0	V	AV	1	43.9	54.0	-10.1
17265.0	V	РК	1	60.9	68.2	-7.3
*11510.0	Н	РК	1	54.6	74.0	-19.4
*11510.0	Н	AV	1	44.1	54.0	-9.9
17265.0	Н	РК	1	61.2	68.2	-7.0

Result of Tx mode (802.11n HT40) (5795.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11590.0	V	РК	1	54.4	74.0	-19.6
*11590.0	V	AV	1	44.3	54.0	-9.7
17385.0	V	РК	1	61.7	68.2	-6.5
*11590.0	Н	РК	1	54.9	74.0	-19.1
*11590.0	Н	AV	1	44.5	54.0	-9.5
17385.0	Н	РК	1	62.1	68.2	-6.1

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT20) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	РК	1	53.2	68.2	-15.0
*15540.0	V	РК	1	57.3	74.0	-16.7
*15540.0	V	AV	1	47.5	54.0	-6.5
10360.0	Н	РК	1	53.6	68.2	-14.6
*15540.0	Н	РК	1	57.4	74.0	-16.6
*15540.0	Н	AV	1	47.5	54.0	-6.5

Result of Tx mode (802.11ac VHT20) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	РК	1	52.1	68.2	-16.1
*15600.0	V	РК	1	57.1	74.0	-16.9
*15600.0	V	AV	1	48.0	54.0	-6.0
10400.0	Н	РК	1	52.6	68.2	-15.6
*15600.0	Н	РК	1	57.9	74.0	-16.1
*15600.0	Н	AV	1	48.0	54.0	-6.0

Result of Tx mode (802.11ac VHT20) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	РК	1	52.9	68.2	-15.3
*15720.0	V	РК	1	57.2	74.0	-16.8
*15720.0	V	AV	1	47.5	54.0	-6.5
10480.0	Н	РК	1	53.8	68.2	-14.4
*15720.0	Н	РК	1	57.1	74.0	-16.9
*15720.0	Н	AV	1	47.5	54.0	-6.5

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT20) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	РК	1	53.1	68.2	-15.1
*15780.0	V	РК	1	58.0	74.0	-16.0
*15780.0	V	AV	1	47.7	54.0	-6.3
10520.0	Н	РК	1	53.3	68.2	-14.9
*15780.0	Н	РК	1	57.2	74.0	-16.8
*15780.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11ac VHT20) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	54.7	68.2	-13.5
*15840.0	V	РК	1	58.1	74.0	-15.9
*15840.0	V	AV	1	47.9	54.0	-6.1
10560.0	Н	РК	1	54.6	68.2	-13.6
*15840.0	Н	РК	1	57.5	74.0	-16.5
*15840.0	Н	AV	1	48.4	54.0	-5.6

Result of Tx mode (802.11ac VHT20) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	РК	1	54.4	68.2	-13.8
*15960.0	V	РК	1	57.1	74.0	-16.9
*15960.0	V	AV	1	47.1	54.0	-6.9
10640.0	Н	РК	1	54.5	68.2	-13.7
*15960.0	Н	РК	1	57.5	74.0	-16.5
*15960.0	Н	AV	1	47.0	54.0	-7.0

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT20) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	55.1	74.0	-18.9
*11000.0	V	AV	1	44.5	54.0	-9.5
16500.0	V	РК	1	57.8	68.2	-10.4
*11000.0	Н	РК	1	54.2	74.0	-19.8
*11000.0	Н	AV	1	44.2	54.0	-9.8
16500.0	Н	РК	1	58.2	68.2	-10.0

Result of Tx mode (802.11ac VHT20) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	PK	1	54.5	74.0	-19.5
*11200.0	V	AV	1	44.3	54.0	-9.7
16800.0	V	РК	1	61.1	68.2	-7.1
*11200.0	Н	РК	1	54.2	74.0	-19.8
*11200.0	Н	AV	1	44.5	54.0	-9.5
16800.0	Н	РК	1	60.9	68.2	-7.3

Result of Tx mode (802.11ac VHT20) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	РК	1	53.9	74.0	-20.1
*11400.0	V	AV	1	PK < AV	54.0	N/A
17100.0	V	РК	1	60.9	68.2	-7.3
*11400.0	Н	РК	1	54.2	74.0	-19.8
*11400.0	Н	AV	1	44.1	54.0	-9.9
17100.0	Н	РК	1	60.5	68.2	-7.7

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT20) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	РК	1	54.6	74.0	-19.4
*11490.0	V	AV	1	44.3	54.0	-9.7
17235.0	V	РК	1	61.4	68.2	-6.8
*11490.0	Н	РК	1	53.6	74.0	-20.4
*11490.0	Н	AV	1	PK < AV	54.0	N/A
17235.0	Н	РК	1	61.4	68.2	-6.8

Result of Tx mode (802.11ac VHT20) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	PK	1	58.3	74.0	-15.7
*11570.0	V	AV	1	47.6	54.0	-6.4
17355.0	V	РК	1	61.4	68.2	-6.8
*11570.0	Н	РК	1	58.6	74.0	-15.4
*11570.0	Н	AV	1	48.1	54.0	-5.9
17355.0	Н	РК	1	62.3	68.2	-5.9

Result of Tx mode (802.11ac VHT20) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	РК	1	56.4	74.0	-17.6
*11650.0	V	AV	1	45.7	54.0	-8.3
17475.0	V	РК	1	61.1	68.2	-7.1
*11650.0	Н	РК	1	58.6	74.0	-15.4
*11650.0	Н	AV	1	48.1	54.0	-5.9
17475.0	Н	РК	1	61.5	68.2	-6.7

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT40) (5190.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10380.0	V	РК	1	54.3	68.2	-13.9
*15570.0	V	РК	1	58.6	74.0	-15.4
*15570.0	V	AV	1	47.3	54.0	-6.7
10380.0	Н	РК	1	44.6	68.2	-23.6
*15570.0	Н	РК	1	57.4	74.0	-16.6
*15570.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11ac VHT40) (5230.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10460.0	V	РК	1	52.2	68.2	-16.0
*15690.0	V	РК	1	57.9	74.0	-16.1
*15690.0	V	AV	1	47.2	54.0	-6.8
10460.0	Н	РК	1	52.0	68.2	-16.2
*15690.0	Н	РК	1	58.1	74.0	-15.9
*15690.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11ac VHT40) (5270.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10540.0	V	PK	1	53.1	68.2	-15.1
*15810.0	V	PK	1	58.6	74.0	-15.4
*15810.0	V	AV	1	47.1	54.0	-6.9
10540.0	Н	PK	1	53.3	68.2	-14.9
*15810.0	Н	РК	1	58.5	74.0	-15.5
*15810.0	Н	AV	1	47.0	54.0	-7.0

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT40) (5310.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*10620.0	V	PK	1	55.5	74.0	-18.5
*10620.0	V	AV	1	44.6	54.0	-9.4
*15930.0	V	РК	1	58.1	74.0	-15.9
*15930.0	V	AV	1	46.8	54.0	-7.2
*10620.0	Н	РК	1	55.8	74.0	-18.2
*10620.0	Н	AV	1	44.9	54.0	-9.1
*15930.0	Н	РК	1	58.4	74.0	-15.6
*15930.0	Н	AV	1	47.0	54.0	-7.0

Result of Tx mode (802.11ac VHT40) (5510.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11020.0	V	РК	1	54.3	74.0	-19.7
*11020.0	V	AV	1	44.0	54.0	-10.0
16530.0	V	РК	1	59.8	68.2	-8.4
*11020.0	Н	РК	1	55.1	74.0	-18.9
*11020.0	Н	AV	1	44.2	54.0	-9.8
16530.0	Н	РК	1	60.0	68.2	-8.2

Result of Tx mode (802.11ac VHT40) (5590.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11180.0	V	PK	1	54.8	74.0	-19.2
*11180.0	V	AV	1	44.2	54.0	-9.8
16770.0	V	РК	1	61.4	68.2	-6.8
*11180.0	Н	PK	1	54.4	74.0	-19.6
*11180.0	Н	AV	1	43.8	54.0	-10.2
16770.0	Н	РК	1	61.0	68.2	-7.2

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT40) (5670.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11340.0	V	PK	1	54.1	74.0	-19.9
*11340.0	V	AV	1	43.6	54.0	-10.4
17010.0	V	PK	1	61.0	68.2	-7.2
*11340.0	Н	PK	1	53.9	74.0	-20.1
*11340.0	Н	AV	1	PK < AV	54.0	N/A
17010.0	Н	PK	1	61.3	68.2	-6.9

Result of Tx mode (802.11ac VHT40) (5755.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11510.0	V	РК	1	52.7	74.0	-21.3
*11510.0	V	AV	1	PK < AV	54.0	N/A
17265.0	V	РК	1	61.6	68.2	-6.6
*11510.0	Н	РК	1	52.9	74.0	-21.1
*11510.0	Н	AV	1	PK < AV	54.0	N/A
17265.0	Н	РК	1	61.4	68.2	-6.8

Result of Tx mode (802.11ac VHT40) (5795.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11590.0	V	PK	1	54.0	74.0	-20.0
*11590.0	V	AV	1	43.2	54.0	-10.8
17385.0	V	PK	1	61.9	68.2	-6.3
*11590.0	Н	PK	1	54.3	74.0	-19.7
*11590.0	Н	AV	1	43.4	54.0	-10.6
17385.0	Н	РК	1	62.1	68.2	-6.1

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT80) (5210.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10420.0	V	PK	1	53.3	68.2	-14.9
*15630.0	V	PK	1	57.5	74.0	-16.5
*15630.0	V	AV	1	47.3	54.0	-6.7
10420.0	Н	РК	1	52.2	68.2	-16.0
*15630.0	Н	РК	1	58.2	74.0	-15.8
*15630.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11ac VHT80) (5290.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10580.0	V	РК	1	54.8	68.2	-13.4
*15870.0	V	РК	1	57.6	74.0	-16.4
*15870.0	V	AV	1	47.1	54.0	-6.9
10580.0	Н	РК	1	55.5	68.2	-12.7
*15870.0	Н	РК	1	57.5	74.0	-16.5
*15870.0	Н	AV	1	47.0	54.0	-7.0

Result of Tx mode (802.11ac VHT80) (5530.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11060.0	V	РК	1	55.2	74.0	-18.8
*11060.0	V	AV	1	44.0	54.0	-10.0
16590.0	V	РК	1	61.3	68.2	-6.9
*11060.0	Н	РК	1	55.0	74.0	-19.0
*11060.0	Н	AV	1	43.9	54.0	-10.1
16590.0	Н	РК	1	61.6	68.2	-6.6

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 1

Result of Tx mode (802.11ac VHT80) (5610.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11220.0	V	PK	1	54.4	74.0	-19.6
*11220.0	V	AV	1	44.3	54.0	-9.7
16830.0	V	PK	1	61.4	68.2	-6.8
*11220.0	Н	PK	1	54.7	74.0	-19.3
*11220.0	Н	AV	1	44.1	54.0	-9.9
16830.0	Н	РК	1	60.4	68.2	-7.8

Result of Tx mode (802.11ac VHT80) (5775.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11550.0	V	PK	1	53.5	74.0	-20.5
*11550.0	V	AV	1	PK < AV	54.0	N/A
17325.0	V	PK	1	61.5	68.2	-6.7
*11550.0	Н	РК	1	52.5	74.0	-21.5
*11550.0	Н	AV	1	PK < AV	54.0	N/A
17325.0	Н	РК	1	62.3	68.2	-5.9

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B



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Antenna option 2

Result of Tx mode (802.11a) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	PK	1	54.0	68.2	-14.2
*15540.0	V	PK	1	57.8	74.0	-16.2
*15540.0	V	AV	1	47.7	54.0	-6.3
10360.0	Н	PK	1	53.8	68.2	-14.4
*15540.0	Н	PK	1	57.9	74.0	-16.1
*15540.0	Н	AV	1	47.5	54.0	-6.5

Result of Tx mode (802.11a) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	РК	1	53.2	68.2	-15.0
*15600.0	V	РК	1	58.0	74.0	-16.0
*15600.0	V	AV	1	47.3	54.0	-6.7
10400.0	Н	РК	1	52.0	68.2	-16.2
*15600.0	Н	РК	1	57.7	74.0	-16.3
*15600.0	Н	AV	1	47.1	54.0	-6.9

Result of Tx mode (802.11a) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	PK	1	54.8	68.2	-13.4
*15720.0	V	PK	1	58.3	74.0	-15.7
*15720.0	V	AV	1	47.5	54.0	-6.5
10480.0	Н	PK	1	53.5	68.2	-14.7
*15720.0	Н	PK	1	58.2	74.0	-15.8
*15720.0	Н	AV	1	47.6	54.0	-6.4

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11a) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	PK	1	55.0	68.2	-13.2
*15780.0	V	PK	1	58.3	74.0	-15.7
*15780.0	V	AV	1	47.4	54.0	-6.6
10520.0	Н	PK	1	54.2	68.2	-14.0
*15780.0	Н	PK	1	58.8	74.0	-15.2
*15780.0	Н	AV	1	47.7	54.0	-6.3

Result of Tx mode (802.11a) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	56.3	68.2	-11.9
*15840.0	V	РК	1	57.5	74.0	-16.5
*15840.0	V	AV	1	47.2	54.0	-6.8
10560.0	Н	РК	1	54.4	68.2	-13.8
*15840.0	Н	РК	1	58.9	74.0	-15.1
*15840.0	Н	AV	1	48.3	54.0	-5.7

Result of Tx mode (802.11a) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	PK	1	56.0	68.2	-12.2
*15960.0	V	PK	1	58.1	74.0	-15.9
*15960.0	V	AV	1	47.1	54.0	-6.9
10640.0	Н	PK	1	55.5	68.2	-12.7
*15960.0	Н	РК	1	57.0	74.0	-17.0
*15960.0	Н	AV	1	45.8	54.0	-8.2

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11a) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	55.5	74.0	-18.5
*11000.0	V	AV	1	44.2	54.0	-9.8
16500.0	V	РК	1	60.3	68.2	-7.9
*11000.0	Н	РК	1	54.8	74.0	-19.2
*11000.0	Н	AV	1	45.0	54.0	-9.0
16500.0	Н	РК	1	60.8	68.2	-7.4

Result of Tx mode (802.11a) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	PK	1	56.3	74.0	-17.7
*11200.0	V	AV	1	45.1	54.0	-8.9
16800.0	V	РК	1	60.2	68.2	-8.0
*11200.0	Н	РК	1	54.2	74.0	-19.8
*11200.0	Н	AV	1	44.6	54.0	-9.4
16800.0	Н	РК	1	60.9	68.2	-7.3

Result of Tx mode (802.11a) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	PK	1	55.4	74.0	-18.6
*11400.0	V	AV	1	45.7	54.0	-8.3
17100.0	V	PK	1	61.4	68.2	-6.8
*11400.0	Н	PK	1	54.0	74.0	-20.0
*11400.0	Н	AV	1	43.9	54.0	-10.1
17100.0	Н	РК	1	60.7	68.2	-7.5

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11a) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	РК	1	55.0	74.0	-19.0
*11490.0	V	AV	1	44.9	54.0	-9.1
17235.0	V	РК	1	61.5	68.2	-6.7
*11490.0	Н	РК	1	55.8	74.0	-18.2
*11490.0	Н	AV	1	44.7	54.0	-9.3
17235.0	Н	РК	1	60.9	68.2	-7.3

Result of Tx mode (802.11a) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	PK	1	55.3	74.0	-18.7
*11570.0	V	AV	1	43.9	54.0	-10.1
17355.0	V	РК	1	62.1	68.2	-6.1
*11570.0	Н	РК	1	54.0	74.0	-20.0
*11570.0	Н	AV	1	43.4	54.0	-10.6
17355.0	Н	РК	1	62.5	68.2	-5.7

Result of Tx mode (802.11a) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	PK	1	54.8	74.0	-19.2
*11650.0	V	AV	1	43.8	54.0	-10.2
17475.0	V	PK	1	61.7	68.2	-6.5
*11650.0	Н	PK	1	54.1	74.0	-19.9
*11650.0	Н	AV	1	43.6	54.0	-10.4
17475.0	Н	РК	1	62.0	68.2	-6.2

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11n HT20) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	РК	1	53.6	68.2	-14.6
*15540.0	V	РК	1	58.2	74.0	-15.8
*15540.0	V	AV	1	47.9	54.0	-6.1
10360.0	Н	РК	1	52.3	68.2	-15.9
*15540.0	Н	РК	1	59.0	74.0	-15.0
*15540.0	Н	AV	1	47.5	54.0	-6.5

Result of Tx mode (802.11n HT20) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	РК	1	53.9	68.2	-14.3
*15600.0	V	РК	1	59.2	74.0	-14.8
*15600.0	V	AV	1	48.5	54.0	-5.5
10400.0	Н	РК	1	53.7	68.2	-14.5
*15600.0	Н	РК	1	58.4	74.0	-15.6
*15600.0	Н	AV	1	47.7	54.0	-6.3

Result of Tx mode (802.11n HT20) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	РК	1	53.1	68.2	-15.1
*15720.0	V	РК	1	57.6	74.0	-16.4
*15720.0	V	AV	1	47.7	54.0	-6.3
10480.0	Н	РК	1	53.7	68.2	-14.5
*15720.0	Н	РК	1	57.3	74.0	-16.7
*15720.0	Н	AV	1	47.5	54.0	-6.5

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11n HT20) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	PK	1	55.3	68.2	-12.9
*15780.0	V	PK	1	58.1	74.0	-15.9
*15780.0	V	AV	1	47.3	54.0	-6.7
10520.0	Н	PK	1	53.4	68.2	-14.8
*15780.0	Н	PK	1	57.9	74.0	-16.1
*15780.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11n HT20) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	54.4	68.2	-13.8
*15840.0	V	РК	1	58.3	74.0	-15.7
*15840.0	V	AV	1	47.7	54.0	-6.3
10560.0	Н	РК	1	54.2	68.2	-14.0
*15840.0	Н	РК	1	57.9	74.0	-16.1
*15840.0	Н	AV	1	47.9	54.0	-6.1

Result of Tx mode (802.11n HT20) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	PK	1	55.6	68.2	-12.6
*15960.0	V	PK	1	57.4	74.0	-16.6
*15960.0	V	AV	1	46.5	54.0	-7.5
10640.0	Н	PK	1	55.3	68.2	-12.9
*15960.0	Н	РК	1	57.1	74.0	-16.9
*15960.0	Н	AV	1	46.6	54.0	-7.4

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11n HT20) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	56.1	74.0	-17.9
*11000.0	V	AV	1	45.2	54.0	-8.8
16500.0	V	РК	1	59.2	68.2	-9.0
*11000.0	Н	РК	1	54.5	74.0	-19.5
*11000.0	Н	AV	1	44.3	54.0	-9.7
16500.0	Н	РК	1	60.4	68.2	-7.8

Result of Tx mode (802.11n HT20) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	PK	1	56.1	74.0	-17.9
*11200.0	V	AV	1	45.5	54.0	-8.5
16800.0	V	РК	1	61.2	68.2	-7.0
*11200.0	Н	РК	1	55.5	74.0	-18.5
*11200.0	Н	AV	1	45.3	54.0	-8.7
16800.0	Н	РК	1	61.7	68.2	-6.5

Result of Tx mode (802.11n HT20) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	PK	1	55.3	74.0	-18.7
*11400.0	V	AV	1	45.2	54.0	-8.8
17100.0	V	РК	1	61.1	68.2	-7.1
*11400.0	Н	РК	1	55.6	74.0	-18.4
*11400.0	Н	AV	1	44.8	54.0	-9.2
17100.0	Н	РК	1	60.5	68.2	-7.7

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11n HT20) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	РК	1	55.4	74.0	-18.6
*11490.0	V	AV	1	44.4	54.0	-9.6
17235.0	V	РК	1	60.8	68.2	-7.4
*11490.0	Н	РК	1	55.2	74.0	-18.8
*11490.0	Н	AV	1	44.3	54.0	-9.7
17235.0	Н	РК	1	61.7	68.2	-6.5

Result of Tx mode (802.11n HT20) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	РК	1	55.1	74.0	-18.9
*11570.0	V	AV	1	44.3	54.0	-9.7
17355.0	V	РК	1	62.6	68.2	-5.6
*11570.0	Н	РК	1	54.3	74.0	-19.7
*11570.0	Н	AV	1	44.7	54.0	-9.3
17355.0	Н	РК	1	61.8	68.2	-6.4

Result of Tx mode (802.11n HT20) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	PK	1	55.9	74.0	-18.1
*11650.0	V	AV	1	45.5	54.0	-8.5
17475.0	V	PK	1	61.7	68.2	-6.5
*11650.0	Н	PK	1	55.5	74.0	-18.5
*11650.0	Н	AV	1	44.2	54.0	-9.8
17475.0	Н	РК	1	61.6	68.2	-6.6

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11n HT40) (5190.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10380.0	V	РК	1	55.1	68.2	-13.1
*15570.0	V	РК	1	59.2	74.0	-14.8
*15570.0	V	AV	1	47.8	54.0	-6.2
10380.0	Н	РК	1	52.9	68.2	-15.3
*15570.0	Н	РК	1	57.5	74.0	-16.5
*15570.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11n HT40) (5230.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10460.0	V	РК	1	53.7	68.2	-14.5
*15690.0	V	РК	1	58.4	74.0	-15.6
*15690.0	V	AV	1	47.5	54.0	-6.5
10460.0	Н	РК	1	52.7	68.2	-15.5
*15690.0	Н	РК	1	58.3	74.0	-15.7
*15690.0	Н	AV	1	47.7	54.0	-6.3

Result of Tx mode (802.11n HT40) (5270.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10540.0	V	PK	1	54.8	68.2	-13.4
*15810.0	V	PK	1	57.8	74.0	-16.2
*15810.0	V	AV	1	47.6	54.0	-6.4
10540.0	Н	PK	1	54.5	68.2	-13.7
*15810.0	Н	РК	1	57.1	74.0	-16.9
*15810.0	Н	AV	1	48.2	54.0	-5.8

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11n HT40) (5310.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*10620.0	V	РК	1	56.7	74.0	-17.3
*10620.0	V	AV	1	45.0	54.0	-9.0
*15930.0	V	РК	1	58.5	74.0	-15.5
*15930.0	V	AV	1	47.1	54.0	-6.9
*10620.0	Н	РК	1	56.1	74.0	-17.9
*10620.0	Н	AV	1	45.1	54.0	-8.9
*15930.0	Н	РК	1	58.9	74.0	-15.1
*15930.0	Н	AV	1	47.2	54.0	-6.8

Result of Tx mode (802.11n HT40) (5510.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11020.0	V	РК	1	54.2	74.0	-19.8
*11020.0	V	AV	1	43.7	54.0	-10.3
16530.0	V	РК	1	61.0	68.2	-7.2
*11020.0	Н	РК	1	55.1	74.0	-18.9
*11020.0	Н	AV	1	44.0	54.0	-10.0
16530.0	Н	РК	1	60.2	68.2	-8.0

Result of Tx mode (802.11n HT40) (5590.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11180.0	V	PK	1	55.8	74.0	-18.2
*11180.0	V	AV	1	44.3	54.0	-9.7
16770.0	V	РК	1	61.0	68.2	-7.2
*11180.0	Н	РК	1	56.1	74.0	-17.9
*11180.0	Н	AV	1	44.3	54.0	-9.7
16770.0	Н	РК	1	60.9	68.2	-7.3

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11n HT40) (5670.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11340.0	V	РК	1	55.4	74.0	-18.6
*11340.0	V	AV	1	44.1	54.0	-9.9
17010.0	V	РК	1	61.5	68.2	-6.7
*11340.0	Н	РК	1	54.1	74.0	-19.9
*11340.0	Н	AV	1	43.9	54.0	-10.1
17010.0	Н	РК	1	61.8	68.2	-6.4

Result of Tx mode (802.11n HT40) (5755.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11510.0	V	РК	1	54.7	74.0	-19.3
*11510.0	V	AV	1	43.0	54.0	-11.0
17265.0	V	РК	1	61.8	68.2	-6.4
*11510.0	Н	РК	1	53.5	74.0	-20.5
*11510.0	Н	AV	1	PK < AV	54.0	N/A
17265.0	Н	РК	1	62.0	68.2	-6.2

Result of Tx mode (802.11n HT40) (5795.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11590.0	V	РК	1	53.7	74.0	-20.3
*11590.0	V	AV	1	PK < AV	54.0	N/A
17385.0	V	РК	1	62.0	68.2	-6.2
*11590.0	Н	РК	1	54.4	74.0	-19.6
*11590.0	Н	AV	1	43.8	54.0	-10.2
17385.0	Н	РК	1	62.1	68.2	-6.1

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT20) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	РК	1	52.0	68.2	-16.2
*15540.0	V	РК	1	57.7	74.0	-16.3
*15540.0	V	AV	1	47.5	54.0	-6.5
10360.0	Н	РК	1	52.9	68.2	-15.3
*15540.0	Н	РК	1	58.5	74.0	-15.5
*15540.0	Н	AV	1	47.1	54.0	-6.9

Result of Tx mode (802.11ac VHT20) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	РК	1	53.1	68.2	-15.1
*15600.0	V	РК	1	58.5	74.0	-15.5
*15600.0	V	AV	1	47.5	54.0	-6.5
10400.0	Н	РК	1	52.2	68.2	-16.0
*15600.0	Н	РК	1	58.0	74.0	-16.0
*15600.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11ac VHT20) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	РК	1	52.4	68.2	-15.8
*15720.0	V	РК	1	57.3	74.0	-16.7
*15720.0	V	AV	1	47.2	54.0	-6.8
10480.0	Н	РК	1	52.2	68.2	-16.0
*15720.0	Н	РК	1	58.0	74.0	-16.0
*15720.0	Н	AV	1	47.4	54.0	-6.6

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT20) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	РК	1	53.5	68.2	-14.7
*15780.0	V	РК	1	58.1	74.0	-15.9
*15780.0	V	AV	1	47.4	54.0	-6.6
10520.0	Н	РК	1	52.9	68.2	-15.3
*15780.0	Н	РК	1	57.8	74.0	-16.2
*15780.0	Н	AV	1	47.7	54.0	-6.3

Result of Tx mode (802.11ac VHT20) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	53.9	68.2	-14.3
*15840.0	V	РК	1	57.7	74.0	-16.3
*15840.0	V	AV	1	47.4	54.0	-6.6
10560.0	Н	РК	1	54.2	68.2	-14.0
*15840.0	Н	РК	1	58.2	74.0	-15.8
*15840.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11ac VHT20) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	РК	1	55.3	68.2	-12.9
*15960.0	V	РК	1	56.3	74.0	-17.7
*15960.0	V	AV	1	46.8	54.0	-7.2
10640.0	Н	РК	1	55.5	68.2	-12.7
*15960.0	Н	РК	1	57.3	74.0	-16.7
*15960.0	Н	AV	1	46.8	54.0	-7.2

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT20) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	53.9	74.0	-20.1
*11000.0	V	AV	1	PK < AV	54.0	N/A
16500.0	V	РК	1	59.7	68.2	-8.5
*11000.0	Н	РК	1	54.1	74.0	-19.9
*11000.0	Н	AV	1	43.6	54.0	-10.4
16500.0	Н	РК	1	60.3	68.2	-7.9

Result of Tx mode (802.11ac VHT20) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	PK	1	54.4	74.0	-19.6
*11200.0	V	AV	1	44.3	54.0	-9.7
16800.0	V	РК	1	60.9	68.2	-7.3
*11200.0	Н	РК	1	54.9	74.0	-19.1
*11200.0	Н	AV	1	44.1	54.0	-9.9
16800.0	Н	РК	1	61.1	68.2	-7.1

Result of Tx mode (802.11ac VHT20) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	РК	1	54.7	74.0	-19.3
*11400.0	V	AV	1	44.1	54.0	-9.9
17100.0	V	РК	1	61.5	68.2	-6.7
*11400.0	Н	РК	1	53.7	74.0	-20.3
*11400.0	Н	AV	1	PK < AV	54.0	N/A
17100.0	Н	РК	1	61.3	68.2	-6.9

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT20) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	РК	1	54.5	74.0	-19.5
*11490.0	V	AV	1	43.6	54.0	-10.4
17235.0	V	РК	1	61.1	68.2	-7.1
*11490.0	Н	РК	1	54.0	74.0	-20.0
*11490.0	Н	AV	1	43.8	54.0	-10.2
17235.0	Н	РК	1	61.8	68.2	-6.4

Result of Tx mode (802.11ac VHT20) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	РК	1	53.9	74.0	-20.1
*11570.0	V	AV	1	PK < AV	54.0	N/A
17355.0	V	РК	1	61.6	68.2	-6.6
*11570.0	Н	РК	1	53.4	74.0	-20.6
*11570.0	Н	AV	1	PK < AV	54.0	N/A
17355.0	Н	РК	1	61.7	68.2	-6.5

Result of Tx mode (802.11ac VHT20) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	PK	1	54.6	74.0	-19.4
*11650.0	V	AV	1	43.7	54.0	-10.3
17475.0	V	PK	1	61.3	68.2	-6.9
*11650.0	Н	PK	1	55.8	74.0	-18.2
*11650.0	Н	AV	1	43.7	54.0	-10.3
17475.0	Н	РК	1	61.7	68.2	-6.5

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT40) (5190.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10380.0	V	РК	1	52.1	68.2	-16.1
*15570.0	V	РК	1	56.7	74.0	-17.3
*15570.0	V	AV	1	47.3	54.0	-6.7
10380.0	Н	РК	1	52.3	68.2	-15.9
*15570.0	Н	РК	1	57.9	74.0	-16.1
*15570.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11ac VHT40) (5230.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10460.0	V	РК	1	53.3	68.2	-14.9
*15690.0	V	РК	1	57.1	74.0	-16.9
*15690.0	V	AV	1	47.2	54.0	-6.8
10460.0	Н	РК	1	52.6	68.2	-15.6
*15690.0	Н	РК	1	58.3	74.0	-15.7
*15690.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11ac VHT40) (5270.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10540.0	V	РК	1	53.4	68.2	-14.8
*15810.0	V	РК	1	58.5	74.0	-15.5
*15810.0	V	AV	1	47.5	54.0	-6.5
10540.0	Н	РК	1	53.6	68.2	-14.6
*15810.0	Н	РК	1	58.4	74.0	-15.6
*15810.0	Н	AV	1	47.4	54.0	-6.6

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT40) (5310.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*10620.0	V	РК	1	54.6	74.0	-19.4
*10620.0	V	AV	1	44.6	54.0	-9.4
*15930.0	V	РК	1	56.6	74.0	-17.4
*15930.0	V	AV	1	46.8	54.0	-7.2
*10620.0	Н	РК	1	55.0	74.0	-19.0
*10620.0	Н	AV	1	44.4	54.0	-9.6
*15930.0	Н	РК	1	58.3	74.0	-15.7
*15930.0	Н	AV	1	47.0	54.0	-7.0

Result of Tx mode (802.11ac VHT40) (5510.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11020.0	V	PK	1	53.9	74.0	-20.1
*11020.0	V	AV	1	PK < AV	54.0	N/A
16530.0	V	PK	1	59.3	68.2	-8.9
*11020.0	Н	PK	1	54.1	74.0	-19.9
*11020.0	Н	AV	1	43.9	54.0	-10.1
16530.0	Н	PK	1	60.3	68.2	-7.9

Result of Tx mode (802.11ac VHT40) (5590.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11180.0	V	PK	1	54.3	74.0	-19.7
*11180.0	V	AV	1	44.2	54.0	-9.8
16770.0	V	PK	1	61.0	68.2	-7.2
*11180.0	Н	PK	1	55.4	74.0	-18.6
*11180.0	Н	AV	1	44.4	54.0	-9.6
16770.0	Н	РК	1	61.4	68.2	-6.8

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT40) (5670.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11340.0	V	РК	1	54.1	74.0	-19.9
*11340.0	V	AV	1	44.0	54.0	-10.0
17010.0	V	РК	1	59.4	68.2	-8.8
*11340.0	Н	РК	1	55.5	74.0	-18.5
*11340.0	Н	AV	1	44.2	54.0	-9.8
17010.0	Н	РК	1	60.5	68.2	-7.7

Result of Tx mode (802.11ac VHT40) (5755.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11510.0	V	РК	1	53.5	74.0	-20.5
*11510.0	V	AV	1	PK < AV	54.0	N/A
17265.0	V	РК	1	61.5	68.2	-6.7
*11510.0	Н	РК	1	53.8	74.0	-20.2
*11510.0	Н	AV	1	PK < AV	54.0	N/A
17265.0	Н	РК	1	62.0	68.2	-6.2

Result of Tx mode (802.11ac VHT40) (5795.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11590.0	V	РК	1	53.9	74.0	-20.1
*11590.0	V	AV	1	PK < AV	54.0	N/A
17385.0	V	РК	1	61.4	68.2	-6.8
*11590.0	Н	РК	1	54.2	74.0	-19.8
*11590.0	Н	AV	1	43.4	54.0	-10.6
17385.0	Н	РК	1	61.9	68.2	-6.3

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT80) (5210.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10420.0	V	РК	1	52.7	68.2	-15.5
*15630.0	V	РК	1	57.6	74.0	-16.4
*15630.0	V	AV	1	47.4	54.0	-6.6
10420.0	Н	РК	1	52.9	68.2	-15.3
*15630.0	Н	РК	1	57.9	74.0	-16.1
*15630.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11ac VHT80) (5290.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10580.0	V	PK	1	54.3	68.2	-13.9
*15870.0	V	РК	1	57.5	74.0	-16.5
*15870.0	V	AV	1	47.4	54.0	-6.6
10580.0	Н	РК	1	54.7	68.2	-13.5
*15870.0	Н	РК	1	58.2	74.0	-15.8
*15870.0	Н	AV	1	47.5	54.0	-6.5

Result of Tx mode (802.11ac VHT80) (5530.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11060.0	V	РК	1	53.7	74.0	-20.3
*11060.0	V	AV	1	PK < AV	54.0	N/A
16590.0	V	РК	1	59.2	68.2	-9.0
*11060.0	Н	РК	1	54.0	74.0	-20.0
*11060.0	Н	AV	1	44.0	54.0	-10.0
16590.0	Н	РК	1	60.0	68.2	-8.2

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 2

Result of Tx mode (802.11ac VHT80) (5610.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11220.0	V	PK	1	55.1	74.0	-18.9
*11220.0	V	AV	1	44.2	54.0	-9.8
16830.0	V	РК	1	61.4	68.2	-6.8
*11220.0	Н	РК	1	55.7	74.0	-18.3
*11220.0	Н	AV	1	44.3	54.0	-9.7
16830.0	Н	РК	1	62.2	68.2	-6.0

Result of Tx mode (802.11ac VHT80) (5775.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11550.0	V	РК	1	54.3	74.0	-19.7
*11550.0	V	AV	1	43.0	54.0	-11.0
17325.0	V	РК	1	61.4	68.2	-6.8
*11550.0	Н	РК	1	54.5	74.0	-19.5
*11550.0	Н	AV	1	43.0	54.0	-11.0
17325.0	Н	РК	1	62.2	68.2	-6.0

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B



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Antenna option 3

Result of Tx mode (802.11a) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	PK	1	51.8	68.2	-16.4
*15540.0	V	PK	1	57.7	74.0	-16.3
*15540.0	V	AV	1	47.3	54.0	-6.7
10360.0	Н	PK	1	52.5	68.2	-15.7
*15540.0	Н	PK	1	58.1	74.0	-15.9
*15540.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11a) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	PK	1	52.8	68.2	-15.4
*15600.0	V	PK	1	58.4	74.0	-15.6
*15600.0	V	AV	1	47.4	54.0	-6.6
10400.0	Н	PK	1	52.1	68.2	-16.1
*15600.0	Н	PK	1	58.5	74.0	-15.5
*15600.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11a) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	PK	1	53.0	68.2	-15.2
*15720.0	V	PK	1	58.1	74.0	-15.9
*15720.0	V	AV	1	47.4	54.0	-6.6
10480.0	Н	PK	1	53.2	68.2	-15.0
*15720.0	Н	РК	1	58.4	74.0	-15.6
*15720.0	Н	AV	1	47.4	54.0	-6.6

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11a) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	PK	1	53.4	68.2	-14.8
*15780.0	V	PK	1	58.0	74.0	-16.0
*15780.0	V	AV	1	47.4	54.0	-6.6
10520.0	Н	PK	1	54.4	68.2	-13.8
*15780.0	Н	PK	1	58.2	74.0	-15.8
*15780.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11a) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	55.0	68.2	-13.2
*15840.0	V	РК	1	56.9	74.0	-17.1
*15840.0	V	AV	1	47.4	54.0	-6.6
10560.0	Н	РК	1	54.9	68.2	-13.3
*15840.0	Н	РК	1	58.3	74.0	-15.7
*15840.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11a) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	PK	1	54.5	68.2	-13.7
*15960.0	V	PK	1	56.4	74.0	-17.6
*15960.0	V	AV	1	46.6	54.0	-7.4
10640.0	Н	PK	1	54.7	68.2	-13.5
*15960.0	Н	РК	1	56.8	74.0	-17.2
*15960.0	Н	AV	1	46.6	54.0	-7.4

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11a) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	55.2	74.0	-18.8
*11000.0	V	AV	1	44.2	54.0	-9.8
16500.0	V	РК	1	60.1	68.2	-8.1
*11000.0	Н	РК	1	54.4	74.0	-19.6
*11000.0	Н	AV	1	44.6	54.0	-9.4
16500.0	Н	РК	1	60.3	68.2	-7.9

Result of Tx mode (802.11a) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	PK	1	56.1	74.0	-17.9
*11200.0	V	AV	1	44.8	54.0	-9.2
16800.0	V	PK	1	60.0	68.2	-8.2
*11200.0	Н	PK	1	53.8	74.0	-20.2
*11200.0	Н	AV	1	PK < AV	54.0	N/A
16800.0	Н	PK	1	60.4	68.2	-7.8

Result of Tx mode (802.11a) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	PK	1	55.6	74.0	-18.4
*11400.0	V	AV	1	45.5	54.0	-8.5
17100.0	V	PK	1	61.1	68.2	-7.1
*11400.0	Н	PK	1	53.7	74.0	-20.3
*11400.0	Н	AV	1	PK < AV	54.0	N/A
17100.0	Н	РК	1	60.8	68.2	-7.4

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11a) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	PK	1	54.8	74.0	-19.2
*11490.0	V	AV	1	45.3	54.0	-8.7
17235.0	V	PK	1	61.6	68.2	-6.6
*11490.0	Н	PK	1	55.3	74.0	-18.7
*11490.0	Н	AV	1	44.4	54.0	-9.6
17235.0	Н	PK	1	60.5	68.2	-7.7

Result of Tx mode (802.11a) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	PK	1	55.1	74.0	-18.9
*11570.0	V	AV	1	43.5	54.0	-10.5
17355.0	V	РК	1	61.8	68.2	-6.4
*11570.0	Н	РК	1	54.2	74.0	-19.8
*11570.0	Н	AV	1	43.1	54.0	-10.9
17355.0	Н	РК	1	62.3	68.2	-5.9

Result of Tx mode (802.11a) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	PK	1	55.0	74.0	-19.0
*11650.0	V	AV	1	43.7	54.0	-10.3
17475.0	V	PK	1	61.3	68.2	-6.9
*11650.0	Н	PK	1	54.2	74.0	-19.8
*11650.0	Н	AV	1	43.7	54.0	-10.3
17475.0	Н	РК	1	62.2	68.2	-6.0

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11n HT20) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	РК	1	52.2	68.2	-16.0
*15540.0	V	РК	1	56.9	74.0	-17.1
*15540.0	V	AV	1	47.5	54.0	-6.5
10360.0	Н	РК	1	52.7	68.2	-15.5
*15540.0	Н	РК	1	57.6	74.0	-16.4
*15540.0	Н	AV	1	47.5	54.0	-6.5

Result of Tx mode (802.11n HT20) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	PK	1	52.9	68.2	-15.3
*15600.0	V	PK	1	57.6	74.0	-16.4
*15600.0	V	AV	1	47.5	54.0	-6.5
10400.0	Н	РК	1	53.1	68.2	-15.1
*15600.0	Н	РК	1	57.7	74.0	-16.3
*15600.0	Н	AV	1	47.5	54.0	-6.5

Result of Tx mode (802.11n HT20) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	PK	1	53.2	68.2	-15.0
*15720.0	V	PK	1	58.4	74.0	-15.6
*15720.0	V	AV	1	47.0	54.0	-7.0
10480.0	Н	PK	1	53.9	68.2	-14.3
*15720.0	Н	РК	1	58.6	74.0	-15.4
*15720.0	Н	AV	1	47.3	54.0	-6.7

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11n HT20) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	РК	1	53.9	68.2	-14.3
*15780.0	V	РК	1	57.3	74.0	-16.7
*15780.0	V	AV	1	47.2	54.0	-6.8
10520.0	Н	РК	1	54.3	68.2	-13.9
*15780.0	Н	РК	1	58.1	74.0	-15.9
*15780.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11n HT20) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	53.9	68.2	-14.3
*15840.0	V	РК	1	58.1	74.0	-15.9
*15840.0	V	AV	1	47.5	54.0	-6.5
10560.0	Н	РК	1	54.1	68.2	-14.1
*15840.0	Н	РК	1	57.6	74.0	-16.4
*15840.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11n HT20) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	PK	1	55.3	68.2	-12.9
*15960.0	V	PK	1	57.3	74.0	-16.7
*15960.0	V	AV	1	46.8	54.0	-7.2
10640.0	Н	PK	1	55.2	68.2	-13.0
*15960.0	Н	РК	1	57.7	74.0	-16.3
*15960.0	Н	AV	1	46.8	54.0	-7.2

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11n HT20) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	55.8	74.0	-18.2
*11000.0	V	AV	1	44.9	54.0	-9.1
16500.0	V	РК	1	59.3	68.2	-8.9
*11000.0	Н	РК	1	54.4	74.0	-19.6
*11000.0	Н	AV	1	44.1	54.0	-9.9
16500.0	Н	РК	1	60.1	68.2	-8.1

Result of Tx mode (802.11n HT20) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	РК	1	55.9	74.0	-18.1
*11200.0	V	AV	1	45.2	54.0	-8.8
16800.0	V	РК	1	61.5	68.2	-6.7
*11200.0	Н	РК	1	55.4	74.0	-18.6
*11200.0	Н	AV	1	45.1	54.0	-8.9
16800.0	Н	РК	1	61.2	68.2	-7.0

Result of Tx mode (802.11n HT20) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	PK	1	55.5	74.0	-18.5
*11400.0	V	AV	1	44.7	54.0	-9.3
17100.0	V	PK	1	60.5	68.2	-7.7
*11400.0	Н	PK	1	55.2	74.0	-18.8
*11400.0	Н	AV	1	44.3	54.0	-9.7
17100.0	Н	РК	1	60.1	68.2	-8.1

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11n HT20) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	РК	1	55.8	74.0	-18.2
*11490.0	V	AV	1	44.3	54.0	-9.7
17235.0	V	РК	1	60.4	68.2	-7.8
*11490.0	Н	РК	1	54.6	74.0	-19.4
*11490.0	Н	AV	1	44.1	54.0	-9.9
17235.0	Н	РК	1	61.2	68.2	-7.0

Result of Tx mode (802.11n HT20) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	PK	1	54.7	74.0	-19.3
*11570.0	V	AV	1	44.2	54.0	-9.8
17355.0	V	РК	1	62.4	68.2	-5.8
*11570.0	Н	РК	1	54.0	74.0	-20.0
*11570.0	Н	AV	1	44.6	54.0	-9.4
17355.0	Н	РК	1	62.3	68.2	-5.9

Result of Tx mode (802.11n HT20) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	PK	1	56.2	74.0	-17.8
*11650.0	V	AV	1	45.6	54.0	-8.4
17475.0	V	РК	1	61.2	68.2	-7.0
*11650.0	Н	PK	1	55.4	74.0	-18.6
*11650.0	Н	AV	1	44.5	54.0	-9.5
17475.0	Н	РК	1	61.1	68.2	-7.1

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11n HT40) (5190.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10380.0	V	РК	1	51.7	68.2	-16.5
*15570.0	V	РК	1	57.7	74.0	-16.3
*15570.0	V	AV	1	47.3	54.0	-6.7
10380.0	Н	РК	1	52.3	68.2	-15.9
*15570.0	Н	РК	1	58.8	74.0	-15.2
*15570.0	Н	AV	1	47.5	54.0	-6.5

Result of Tx mode (802.11n HT40) (5230.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10460.0	V	РК	1	53.1	68.2	-15.1
*15690.0	V	РК	1	58.3	74.0	-15.7
*15690.0	V	AV	1	47.3	54.0	-6.7
10460.0	Н	РК	1	51.8	68.2	-16.4
*15690.0	Н	РК	1	57.9	74.0	-16.1
*15690.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11n HT40) (5270.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10540.0	V	PK	1	54.1	68.2	-14.1
*15810.0	V	PK	1	56.8	74.0	-17.2
*15810.0	V	AV	1	47.3	54.0	-6.7
10540.0	Н	PK	1	53.2	68.2	-15.0
*15810.0	Н	РК	1	56.9	74.0	-17.1
*15810.0	Н	AV	1	47.3	54.0	-6.7

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11n HT40) (5310.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*10620.0	V	PK	1	55.5	74.0	-18.5
*10620.0	V	AV	1	44.4	54.0	-9.6
*15930.0	V	PK	1	57.0	74.0	-17.0
*15930.0	V	AV	1	46.8	54.0	-7.2
*10620.0	Н	PK	1	54.1	74.0	-19.9
*10620.0	Н	AV	1	44.5	54.0	-9.5
*15930.0	Н	PK	1	57.5	74.0	-16.5
*15930.0	Н	AV	1	46.8	54.0	-7.2

Result of Tx mode (802.11n HT40) (5510.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11020.0	V	PK	1	53.6	74.0	-20.4
*11020.0	V	AV	1	PK < AV	54.0	N/A
16530.0	V	PK	1	61.1	68.2	-7.1
*11020.0	Н	PK	1	54.6	74.0	-19.4
*11020.0	Н	AV	1	44.2	54.0	-9.8
16530.0	Н	PK	1	60.6	68.2	-7.6

Result of Tx mode (802.11n HT40) (5590.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11180.0	V	PK	1	56.1	74.0	-17.9
*11180.0	V	AV	1	44.5	54.0	-9.5
16770.0	V	PK	1	61.2	68.2	-7.0
*11180.0	Н	РК	1	55.7	74.0	-18.3
*11180.0	Н	AV	1	44.0	54.0	-10.0
16770.0	Н	РК	1	60.5	68.2	-7.7

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11n HT40) (5670.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11340.0	V	PK	1	55.5	74.0	-18.5
*11340.0	V	AV	1	44.2	54.0	-9.8
17010.0	V	РК	1	61.1	68.2	-7.1
*11340.0	Н	РК	1	54.4	74.0	-19.6
*11340.0	Н	AV	1	43.5	54.0	-10.5
17010.0	Н	РК	1	61.4	68.2	-6.8

Result of Tx mode (802.11n HT40) (5755.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11510.0	V	РК	1	54.5	74.0	-19.5
*11510.0	V	AV	1	43.1	54.0	-10.9
17265.0	V	РК	1	61.4	68.2	-6.8
*11510.0	Н	РК	1	53.9	74.0	-20.1
*11510.0	Н	AV	1	PK < AV	54.0	N/A
17265.0	Н	РК	1	62.2	68.2	-6.0

Result of Tx mode (802.11n HT40) (5795.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11590.0	V	РК	1	53.5	74.0	-20.5
*11590.0	V	AV	1	PK < AV	54.0	N/A
17385.0	V	РК	1	62.2	68.2	-6.0
*11590.0	Н	РК	1	54.1	74.0	-19.9
*11590.0	Н	AV	1	43.5	54.0	-10.5
17385.0	Н	РК	1	62.3	68.2	-5.9

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT20) (5180.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10360.0	V	РК	1	51.7	68.2	-16.5
*15540.0	V	РК	1	56.7	74.0	-17.3
*15540.0	V	AV	1	46.9	54.0	-7.1
10360.0	Н	РК	1	52.0	68.2	-16.2
*15540.0	Н	РК	1	57.2	74.0	-16.8
*15540.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11ac VHT20) (5200.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10400.0	V	PK	1	52.4	68.2	-15.8
*15600.0	V	РК	1	57.9	74.0	-16.1
*15600.0	V	AV	1	47.7	54.0	-6.3
10400.0	Н	РК	1	52.5	68.2	-15.7
*15600.0	Н	РК	1	57.6	74.0	-16.4
*15600.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11ac VHT20) (5240.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10480.0	V	РК	1	52.4	68.2	-15.8
*15720.0	V	РК	1	57.0	74.0	-17.0
*15720.0	V	AV	1	47.0	54.0	-7.0
10480.0	Н	РК	1	52.6	68.2	-15.6
*15720.0	Н	РК	1	56.3	74.0	-17.7
*15720.0	Н	AV	1	46.8	54.0	-7.2

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT20) (5260.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10520.0	V	РК	1	54.1	68.2	-14.1
*15780.0	V	РК	1	56.4	74.0	-17.6
*15780.0	V	AV	1	47.4	54.0	-6.6
10520.0	Н	РК	1	53.8	68.2	-14.4
*15780.0	Н	РК	1	56.1	74.0	-17.9
*15780.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11ac VHT20) (5280.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10560.0	V	РК	1	54.1	68.2	-14.1
*15840.0	V	РК	1	57.8	74.0	-16.2
*15840.0	V	AV	1	47.5	54.0	-6.5
10560.0	Н	РК	1	54.3	68.2	-13.9
*15840.0	Н	РК	1	58.0	74.0	-16.0
*15840.0	Н	AV	1	47.5	54.0	-6.5

Result of Tx mode (802.11ac VHT20) (5320.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10640.0	V	РК	1	54.5	68.2	-13.7
*15960.0	V	РК	1	56.6	74.0	-17.4
*15960.0	V	AV	1	46.7	54.0	-7.3
10640.0	Н	РК	1	54.8	68.2	-13.4
*15960.0	Н	РК	1	56.8	74.0	-17.2
*15960.0	Н	AV	1	46.8	54.0	-7.2

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT20) (5500.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11000.0	V	РК	1	54.2	74.0	-19.8
*11000.0	V	AV	1	44.5	54.0	-9.5
16500.0	V	РК	1	59.9	68.2	-8.3
*11000.0	Н	РК	1	54.5	74.0	-19.5
*11000.0	Н	AV	1	43.4	54.0	-10.6
16500.0	Н	РК	1	60.1	68.2	-8.1

Result of Tx mode (802.11ac VHT20) (5600.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11200.0	V	РК	1	54.2	74.0	-19.8
*11200.0	V	AV	1	44.1	54.0	-9.9
16800.0	V	РК	1	60.3	68.2	-7.9
*11200.0	Н	РК	1	54.5	74.0	-19.5
*11200.0	Н	AV	1	43.6	54.0	-10.4
16800.0	Н	РК	1	60.8	68.2	-7.4

Result of Tx mode (802.11ac VHT20) (5700.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11400.0	V	РК	1	54.4	74.0	-19.6
*11400.0	V	AV	1	44.2	54.0	-9.8
17100.0	V	РК	1	61.4	68.2	-6.8
*11400.0	Н	РК	1	53.2	74.0	-20.8
*11400.0	Н	AV	1	PK < AV	54.0	N/A
17100.0	Н	РК	1	61.0	68.2	-7.2

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT20) (5745.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11490.0	V	РК	1	54.3	74.0	-19.7
*11490.0	V	AV	1	43.2	54.0	-10.8
17235.0	V	РК	1	61.4	68.2	-6.8
*11490.0	Н	РК	1	54.2	74.0	-19.8
*11490.0	Н	AV	1	43.6	54.0	-10.4
17235.0	Н	РК	1	61.5	68.2	-6.7

Result of Tx mode (802.11ac VHT20) (5785.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11570.0	V	РК	1	53.6	74.0	-20.4
*11570.0	V	AV	1	PK < AV	54.0	N/A
17355.0	V	РК	1	61.3	68.2	-6.9
*11570.0	Н	РК	1	53.2	74.0	-20.8
*11570.0	Н	AV	1	PK < AV	54.0	N/A
17355.0	Н	РК	1	61.4	68.2	-6.8

Result of Tx mode (802.11ac VHT20) (5825.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11650.0	V	PK	1	54.4	74.0	-19.6
*11650.0	V	AV	1	43.5	54.0	-10.5
17475.0	V	РК	1	61.1	68.2	-7.1
*11650.0	Н	РК	1	55.5	74.0	-18.5
*11650.0	Н	AV	1	43.2	54.0	-10.8
17475.0	Н	РК	1	61.1	68.2	-7.1

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT40) (5190.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10380.0	V	РК	1	51.8	68.2	-16.4
*15570.0	V	РК	1	58.4	74.0	-15.6
*15570.0	V	AV	1	47.2	54.0	-6.8
10380.0	Н	РК	1	51.9	68.2	-16.3
*15570.0	Н	РК	1	57.5	74.0	-16.5
*15570.0	Н	AV	1	47.4	54.0	-6.6

Result of Tx mode (802.11ac VHT40) (5230.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10460.0	V	РК	1	52.7	68.2	-15.5
*15690.0	V	РК	1	56.9	74.0	-17.1
*15690.0	V	AV	1	47.5	54.0	-6.5
10460.0	Н	РК	1	52.9	68.2	-15.3
*15690.0	Н	РК	1	57.2	74.0	-16.8
*15690.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11ac VHT40) (5270.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10540.0	V	РК	1	54.1	68.2	-14.1
*15810.0	V	РК	1	56.6	74.0	-17.4
*15810.0	V	AV	1	47.2	54.0	-6.8
10540.0	Н	РК	1	54.3	68.2	-13.9
*15810.0	Н	РК	1	56.2	74.0	-17.8
*15810.0	Н	AV	1	47.1	54.0	-6.9

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT40) (5310.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*10620.0	V	PK	1	54.8	74.0	-19.2
*10620.0	V	AV	1	45.0	54.0	-9.0
*15930.0	V	PK	1	56.6	74.0	-17.4
*15930.0	V	AV	1	46.8	54.0	-7.2
*10620.0	Н	PK	1	54.9	74.0	-19.1
*10620.0	Н	AV	1	44.3	54.0	-9.7
*15930.0	Н	PK	1	57.2	74.0	-16.8
*15930.0	Н	AV	1	46.9	54.0	-7.1

Result of Tx mode (802.11ac VHT40) (5510.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11020.0	V	PK	1	54.2	74.0	-19.8
*11020.0	V	AV	1	44.8	54.0	-9.2
16530.0	V	PK	1	59.0	68.2	-9.2
*11020.0	Н	PK	1	54.3	74.0	-19.7
*11020.0	Н	AV	1	43.5	54.0	-10.5
16530.0	Н	PK	1	60.0	68.2	-8.2

Result of Tx mode (802.11ac VHT40) (5590.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11180.0	V	PK	1	54.1	74.0	-19.9
*11180.0	V	AV	1	44.1	54.0	-9.9
16770.0	V	PK	1	61.1	68.2	-7.1
*11180.0	Н	PK	1	55.2	74.0	-18.8
*11180.0	Н	AV	1	43.9	54.0	-10.1
16770.0	Н	РК	1	61.2	68.2	-7.0

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT40) (5670.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11340.0	V	РК	1	54.5	74.0	-19.5
*11340.0	V	AV	1	44.1	54.0	-9.9
17010.0	V	РК	1	59.5	68.2	-8.7
*11340.0	Н	РК	1	55.3	74.0	-18.7
*11340.0	Н	AV	1	44.0	54.0	-10.0
17010.0	Н	РК	1	60.2	68.2	-8.0

Result of Tx mode (802.11ac VHT40) (5755.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11510.0	V	РК	1	53.9	74.0	-20.1
*11510.0	V	AV	1	PK < AV	54.0	N/A
17265.0	V	РК	1	61.3	68.2	-6.9
*11510.0	Н	РК	1	53.6	74.0	-20.4
*11510.0	Н	AV	1	PK < AV	54.0	N/A
17265.0	Н	РК	1	62.2	68.2	-6.0

Result of Tx mode (802.11ac VHT40) (5795.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11590.0	V	РК	1	53.5	74.0	-20.5
*11590.0	V	AV	1	PK < AV	54.0	N/A
17385.0	V	РК	1	61.1	68.2	-7.1
*11590.0	Н	РК	1	54.5	74.0	-19.5
*11590.0	Н	AV	1	43.2	54.0	-10.8
17385.0	Н	РК	1	61.5	68.2	-6.7

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT80) (5210.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10420.0	V	РК	1	52.5	68.2	-15.7
*15630.0	V	РК	1	57.1	74.0	-16.9
*15630.0	V	AV	1	47.5	54.0	-6.5
10420.0	Н	РК	1	52.6	68.2	-15.6
*15630.0	Н	РК	1	59.2	74.0	-14.8
*15630.0	Н	AV	1	47.6	54.0	-6.4

Result of Tx mode (802.11ac VHT80) (5290.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
10580.0	V	РК	1	55.1	68.2	-13.1
*15870.0	V	PK	1	57.2	74.0	-16.8
*15870.0	V	AV	1	47.3	54.0	-6.7
10580.0	Н	РК	1	54.9	68.2	-13.3
*15870.0	Н	РК	1	57.7	74.0	-16.3
*15870.0	Н	AV	1	47.3	54.0	-6.7

Result of Tx mode (802.11ac VHT80) (5530.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11060.0	V	PK	1	53.9	74.0	-20.1
*11060.0	V	AV	1	PK < AV	54.0	N/A
16590.0	V	РК	1	59.6	68.2	-8.6
*11060.0	Н	PK	1	54.5	74.0	-19.5
*11060.0	Н	AV	1	44.3	54.0	-9.7
16590.0	Н	РК	1	60.2	68.2	-8.0

Remarks:

* means restricted bands

Measured Level @3m [dB μ V/m] = Reading of test receiver [dB μ V] + correction factor Details refer to Appendix B

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Antenna option 3

Result of Tx mode (802.11ac VHT80) (5610.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11220.0	V	PK	1	54.6	74.0	-19.4
*11220.0	V	AV	1	44.3	54.0	-9.7
16830.0	V	PK	1	61.1	68.2	-7.1
*11220.0	Н	PK	1	55.3	74.0	-18.7
*11220.0	Н	AV	1	44.5	54.0	-9.5
16830.0	Н	PK	1	62.5	68.2	-5.7

Result of Tx mode (802.11ac VHT80) (5775.0 MHz) (1GHz to 40GHz): Pass

Frequency (MHz)	Antenna Polarity	Detector	Measuring Bandwidth (MHz)	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
*11550.0	V	PK	1	54.2	74.0	-19.8
*11550.0	V	AV	1	43.1	54.0	-10.9
17325.0	V	PK	1	61.9	68.2	-6.3
*11550.0	Н	РК	1	54.3	74.0	-19.7
*11550.0	Н	AV	1	43.1	54.0	-10.9
17325.0	Н	РК	1	62.4	68.2	-5.8

Remarks:

* means restricted bands

Measured Level @3m $[dB\mu V/m]$ = Reading of test receiver $[dB\mu V]$ + correction factor Details refer to Appendix B



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Results of Tx mode (30MHz - 1GHz): Pass

Please refer to the following table for result details(The data is the worst cases) Antenna option 1

Horizontal

Spectrum								(an)
that Level 77.00 Att		VT Zimim	RBW (CISP VBW	43 120 kHz 300 kHz	Mode Aut	ID FRY		
• 1Pk Max		-						
70 deuv/m	-	-	-					
50 dBµV/m	-			-	-		-	
50 deu//m-	-					-		F
an an hym	8	www.	صقدين		with the other	-	mutatent	milar
BO deuv/m	aller Marine	uprotection the state		-	-			-
20 deuV/m	-							-
10 dapy/m	-	-			-			
a asuv/m-	-	-						
10 dBu/////	-	-						-
20 (BLA//m		-	-				-	-
Start 30.0 MHz			691	pts			Sto	p 1.0 GHz

Vertical

Spectrum								and the second
Ref Level 77.00 Alt TDF		# 1 7 2.5 mi = 1	NRIW (CTEP	E) 120 MHZ 300 KHZ	Mode sur	a fFT		
DIPH Max			_					-
713 (\$kulv)/m	-	-	-	_				
to deuV/m	-	-						
SD dBulV/m		-			-	-		-
CC DIEF	digenere		der and	-	المنعمينهم	Particip	whend	metant
10 and the war	stations	AST A DUMPS				-		
20 dBuV/m								
10 086/1/101	-					-		
0 rBulv/s=						-		
<10 (8LW/m								
-25 itBL//m	-	-		-				
Start 30.0 MHz			ń91	pts			Stu	pp 1.B GHz

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The six highest emissions for each polarization (H/V) in the frequency range 30 MHz – 1000 MHz are as following:

Frequency (MHz)	Antenna Polarity	Detector	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
100.90	V	QP	32.7	43.5	-10.8
200.60	V	QP	35.1	43.5	-8.4
715.70	V	QP	41.5	46.0	-4.5
846.30	V	QP	43.4	46.0	-2.6
903.80	V	QP	43.5	46.0	-2.5
943.10	V	QP	44.1	46.0	-1.9
175.30	Н	QP	34.4	43.5	-9.1
196.30	Н	QP	33.7	43.5	-9.8
237.10	Н	QP	38.5	46.0	-7.5
861.70	Н	QP	43.4	46.0	-2.6
896.80	Н	QP	43.6	46.0	-2.4
941.70	Н	QP	44.9	46.0	-1.1

Measured Level $(a)3m [dB\mu V/m] = Reading of test receiver [dB\mu V] + correction factor$

Result of Tx mode (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions						
Peak Value						
Frequency	Measured	Correction	Field	Field	Limit	E-Field
	Level	Factor	Strength	Strength		Polarity
MHz	dBuV	dB/m	dBuV/m	uV/m	uV/m	
Emissions detected are more than 20 dB below the Limits						



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Antenna option 2

Spectrum							1
shef Level 77.0			W (CTEPR) 120 h				
TOP	o da tew	1 2.5 mil = VB	W 300 K	Hz Modé su	TO FFT		
DIPH Max							
76 @W//m	-					1	1
NO CRUV/min	_		_	_			_
50 deulv/m	-			_			F
CCINEF	-1		-		Amo	Mout	ment me
to guv protont	all lance	manan	ant and a star			1.000	
20 dBuV/m				_	1	1	
10 064/10-							
in second a							
o ratuditi in	-	-		-	-		
10 (8L/v/m	_						
23 itBLN/m	_			_		-	_
Start 30.0 MHz			n91 pts	-	-	Sto	p 1.0 GHz

Vertical

Spectrum Ref Level 77.0 Att TDF			RBW (CIS) VBW	PR) 120 kHz 300 kHz	Mode Aut	O FFT		
• 1Pk Max					_		_	
20 dBuV/m								
60 dBµV/m	_					_		
SD dauV/m		-	-	-	-	_		
to dentifying			وسندويلالتقسين	-	an all an an	Hueronan	ment had	another a
an denvir mand	water and the stand	page						
20 dBµV/m					-			
10 dBµV/m	-	-						
o daµv/m		-						
-10 dBuV/m		-	-					
-20 dBµV/m		-		-				
Start 30.0 MHz			69	t pts			Ste	pp 1.0 GHz

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The six highest emissions for each polarization (H/V) in the frequency range 30 MHz - 1000 MHz are as following:

Frequency (MHz)	Antenna Polarity	Detector	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
32.10	V	QP	31.7	40.0	-8.3
100.90	V	QP	29.9	43.5	-13.6
200.60	V	QP	30.3	43.5	-13.2
235.70	V	QP	29.5	46.0	-16.5
898.20	V	QP	43.7	46.0	-2.3
940.30	V	QP	43.8	46.0	-2.2
141.60	Н	QP	34.1	43.5	-9.4
175.30	Н	QP	34.7	43.5	-8.8
197.70	Н	QP	37.3	43.5	-6.2
238.50	Н	QP	42.3	46.0	-3.7
847.70	Н	QP	44.0	46.0	-2.0
896.80	Н	QP	44.6	46.0	-1.4

Measured Level (a) $3m [dB\mu V/m] = Reading of test receiver [dB\mu V] + correction factor$

Result of Tx mode (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions						
Peak Value						
Frequency	Measured	Correction	Field	Field	Limit	E-Field
	Level	Factor	Strength	Strength		Polarity
MHz	dBuV	dB/m	dBuV/m	uV/m	uV/m	
Emissions detected are more than 20 dB below the Limits						



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Antenna option 3

Spectrum		_						W
Ref Level 77.0		NT 2.5.ms	RBW (CISP	R) 120 kHz 300 kHz	Mode Aut	D FFT		
TDF	0.00 8	41	1011	and the	muun au	WPP1		
1Pk Max				-		_	_	
20 dBuV/m	-				-	_		
60 dBµV/m	_	-	-		-	-		
SO dhuV/m			-		-			F
CC15BF/m			مر المراجع الم	ما الدين مع المدين	and Approximation	1 allowedant	e-entranal	handlund
30 dBUV/man	red that		And a sea					
20 dbuV/m	-	-						
10 dBµV/m			-					
o daµv/m	_					-		
-10 dBuV/m			-					
-20 dBµV/m					-			
Start 30.0 MHz			691	pts			Sto	p 1.0 GHz

Vertical

Spectrum Ref Level 77.00				120 kHz	222			(m) V
TOP	o de tew	T 2.5 mil = VI	a 144	300 kHz	Mode su	ta FFT		
CIPH MAKE			_		_	_		-
76 alluvym	-	-		_			-	
tiū disuV/mi								-
50 d84/V/m	-			_	-			F
CCTURE PRO			Linter	audisa	International Designation	there	enthis	and hope
20 quiligner	Andances				-	-	-	-
20 dBUV/m	-	+ +	_	-		-		
10 0666/101	-			-		-		-
o neuvin				-			-	
-10 (06LW/m								
-25 dBL//m		+			-		-	
Start 30.0 MHz			691	pts			Sti	pp 1.0 GHz

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The six highest emissions for each polarization (H/V) in the frequency range 30 MHz - 1000 MHz are as following:

Frequency (MHz)	Antenna Polarity	Detector	Measured Level @3m (dBµV/m)	Limit (dBµV/m)	Margin (dB)
100.90	V	QP	33.5	40.0	-6.5
200.60	V	QP	33.1	43.5	-10.4
714.30	V	QP	41.6	43.5	-1.9
861.70	V	QP	43.9	46.0	-2.1
896.80	V	QP	43.7	46.0	-2.3
940.30	V	QP	44.1	46.0	-1.9
175.30	Н	QP	34.5	43.5	-9.0
197.70	Н	QP	36.7	43.5	-6.8
216.00	Н	QP	36.1	43.5	-7.4
238.50	Н	QP	41.0	46.0	-5.0
896.80	Н	QP	44.5	46.0	-1.5
940.30	Н	QP	44.1	46.0	-1.9

Measured Level (a) $3m [dB\mu V/m] = Reading of test receiver [dB\mu V] + correction factor$

Result of Tx mode (9kHz - 30MHz): Pass

Field Strength of Spurious Emissions						
Peak Value						
Frequency	Measured	Correction	Field	Field	Limit	E-Field
	Level	Factor	Strength	Strength		Polarity
MHz	dBuV	dB/m	dBuV/m	uV/m	uV/m	
Emissions detected are more than 20 dB below the Limits						



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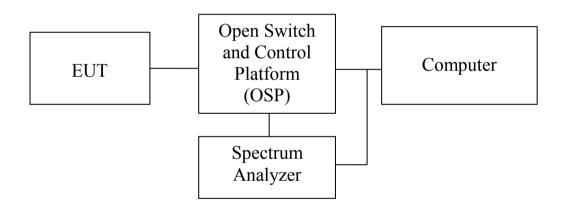
3.1.3 Power Spectral Density

Test Requirement:	FCC 47CFR 15.407(a)
Test Method:	ANSI C63.10:2013
Test Date:	2021-04-22 to 2021-04-23
Mode of Operation:	Tx mode (802.11 a/n/ac)

Test Method:

The RF output of the EUT was connected to the Open Switch and Control Platform (OSP). All the attenuation or cable loss will be added to the measured maximum output power. The results are recorded in dBm.

Test Setup:





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		Antenna	a 0	
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)
36	5180	0.52	-2.83	11.0
40	5200	0.48	-3.20	11.0
48	5240	0.37	-4.29	11.0
52	5260	2.70	4.31	11.0
56	5280	3.23	5.09	11.0
64	5320	2.84	4.54	11.0
100	5500	3.20	5.05	11.0
120	5600	3.11	4.93	11.0
140	5700	2.68	4.28	11.0
149	5745	1.65	2.17	30.0
157	5785	1.80	2.55	30.0
165	5825	2.11	3.24	30.0

		Antenna	a 1	
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)
36	5180	0.58	-2.35	11.0
40	5200	0.51	-2.95	11.0
48	5240	0.41	-3.88	11.0
52	5260	2.49	3.96	11.0
56	5280	2.92	4.65	11.0
64	5320	2.78	4.44	11.0
100	5500	2.79	4.46	11.0
120	5600	2.82	4.50	11.0
140	5700	2.92	4.66	11.0
149	5745	1.83	2.63	30.0
157	5785	2.06	3.14	30.0
165	5825	2.28	3.57	30.0

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Antenna 0						
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)		
36	5180	0.61	-2.16	11.0		
40	5200	0.59	-2.31	11.0		
48	5240	0.45	-3.51	11.0		
52	5260	2.23	3.49	11.0		
56	5280	2.65	4.24	11.0		
64	5320	2.38	3.76	11.0		
100	5500	2.92	4.65	11.0		
120	5600	2.43	3.86	11.0		
140	5700	2.07	3.17	11.0		
149	5745	1.77	2.49	30.0		
157	5785	1.95	2.89	30.0		
165	5825	2.22	3.46	30.0		

		Antenna	1	
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)
36	5180	0.44	-3.53	11.0
40	5200	0.44	-3.58	11.0
48	5240	0.37	-4.32	11.0
52	5260	1.99	2.98	11.0
56	5280	2.42	3.83	11.0
64	5320	2.28	3.57	11.0
100	5500	2.75	4.39	11.0
120	5600	2.69	4.29	11.0
140	5700	2.14	3.30	11.0
149	5745	1.81	2.57	30.0
157	5785	1.87	2.72	30.0
165	5825	1.76	2.46	30.0

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	Results of Tx Mode: Pass (TX Unit) (802.11n HT20 - MIMO) Power Spectral Density						
Ch.	Frequency (MHz)	Antenna 0 PSD (mW)	Antenna 1 PSD (mW)	Total PSD (mW)	Total PSD (dBm)	Limit (dBm)	
36	5180	0.61	0.44	1.05	0.21	9.8	
40	5200	0.59	0.44	1.03	0.13	9.8	
48	5240	0.45	0.37	0.82	-0.86	9.8	
52	5260	2.23	1.99	4.22	6.25	9.8	
56	5280	2.65	2.42	5.07	7.05	9.8	
64	5320	2.38	2.28	4.66	6.68	9.8	
100	5500	2.92	2.75	5.67	7.54	10.3	
120	5600	2.43	2.69	5.12	7.09	10.3	
140	5700	2.07	2.14	4.21	6.24	10.3	
149	5745	1.77	1.81	3.58	5.54	30.0	
157	5785	1.95	1.87	3.82	5.82	30.0	
165	5825	2.22	1.76	3.98	6.00	30.0	

Directional Gain calculation refer to KDB 662911 D01

Antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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Antenna 0						
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)		
38	5190	0.75	-1.26	11.0		
46	5230	0.56	-2.48	11.0		
54	5270	0.79	-1.02	11.0		
62	5310	0.99	-0.06	11.0		
102	5510	1.25	0.98	11.0		
118	5590	1.01	0.06	11.0		
134	5670	0.98	-0.08	11.0		
151	5755	0.46	-3.39	30.0		
159	5795	0.53	-2.79	30.0		

		Antenna	1	
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)
38	5190	0.78	-1.06	11.0
46	5230	0.65	-1.87	11.0
54	5270	0.78	-1.10	11.0
62	5310	0.95	-0.20	11.0
102	5510	1.10	0.41	11.0
118	5590	1.03	0.14	11.0
134	5670	0.93	-0.33	11.0
151	5755	0.46	-3.33	30.0
159	5795	0.55	-2.59	30.0

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	Results of Tx Mode: Pass (TX Unit) (802.11n HT40 - MIMO) Power Spectral Density						
Ch.	Frequency (MHz)	Antenna 0 PSD (mW)	Antenna 1 PSD (mW)	Total PSD (mW)	Total PSD (dBm)	Limit (dBm)	
38	5190	0.75	0.78	1.53	1.85	9.8	
46	5230	0.56	0.65	1.21	0.83	9.8	
54	5270	0.79	0.78	1.57	1.96	9.8	
62	5310	0.99	0.95	1.94	2.88	9.8	
102	5510	1.25	1.10	2.35	3.71	10.3	
118	5590	1.01	1.03	2.04	3.10	10.3	
134	5670	0.98	0.93	1.91	2.81	10.3	
151	5755	0.46	0.46	0.92	-0.36	30.0	
159	5795	0.53	0.55	1.08	0.33	30.0	

Directional Gain calculation refer to KDB 662911 D01

Antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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Antenna 0						
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)		
36	5180	0.65	-1.84	11.0		
40	5200	0.64	-1.95	11.0		
48	5240	0.49	-3.10	11.0		
52	5260	2.78	4.44	11.0		
56	5280	3.12	4.94	11.0		
64	5320	2.68	4.28	11.0		
100	5500	3.09	4.90	11.0		
120	5600	2.61	4.17	11.0		
140	5700	2.23	3.48	11.0		
149	5745	2.12	3.27	30.0		
157	5785	2.19	3.40	30.0		
165	5825	2.45	3.90	30.0		

		Antenna	1	
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)
36	5180	0.60	-2.23	11.0
40	5200	0.58	-2.40	11.0
48	5240	0.47	-3.25	11.0
52	5260	1.91	2.82	11.0
56	5280	2.36	3.73	11.0
64	5320	2.13	3.29	11.0
100	5500	3.24	5.11	11.0
120	5600	3.20	5.05	11.0
140	5700	2.58	4.12	11.0
149	5745	2.09	3.21	30.0
157	5785	2.12	3.27	30.0
165	5825	2.49	3.97	30.0

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	Results of Tx Mode: Pass (TX Unit) (802.11ac VHT20 - MIMO) Power Spectral Density							
Ch.	Frequency (MHz)	Antenna 0 PSD (mW)	Antenna 1 PSD (mW)	Total PSD (mW)	Total PSD (dBm)	Limit (dBm)		
36	5180	0.65	0.60	1.25	0.97	9.8		
40	5200	0.64	0.58	1.22	0.86	9.8		
48	5240	0.49	0.47	0.96	-0.18	9.8		
52	5260	2.78	1.91	4.69	6.71	9.8		
56	5280	3.12	2.36	5.48	7.39	9.8		
64	5320	2.68	2.13	4.81	6.82	9.8		
100	5500	3.09	3.24	6.33	8.01	10.3		
120	5600	2.61	3.20	5.81	7.64	10.3		
140	5700	2.23	2.58	4.81	6.82	10.3		
149	5745	2.12	2.09	4.21	6.24	30.0		
157	5785	2.19	2.12	4.31	6.34	30.0		
165	5825	2.45	2.49	4.94	6.94	30.0		

Directional Gain calculation refer to KDB 662911 D01

Antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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Antenna 0						
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)		
38	5190	0.86	-0.64	11.0		
46	5230	0.64	-1.91	11.0		
54	5270	1.22	0.85	11.0		
62	5310	1.15	0.60	11.0		
102	5510	1.47	1.68	11.0		
118	5590	1.12	0.48	11.0		
134	5670	1.05	0.23	11.0		
151	5755	0.58	-2.34	30.0		
159	5795	0.67	-1.74	30.0		

Antenna 1					
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)	
38	5190	0.96	-0.17	11.0	
46	5230	0.81	-0.91	11.0	
54	5270	1.38	1.40	11.0	
62	5310	1.41	1.48	11.0	
102	5510	1.66	2.19	11.0	
118	5590	1.52	1.82	11.0	
134	5670	1.30	1.14	11.0	
151	5755	0.63	-2.01	30.0	
159	5795	0.79	-1.01	30.0	

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	Results of Tx Mode: Pass (TX Unit) (802.11ac VHT40 - MIMO) Power Spectral Density						
Ch.	Frequency (MHz)	Antenna 0 PSD (mW)	Antenna 1 PSD (mW)	Total PSD (mW)	Total PSD (dBm)	Limit (dBm)	
38	5190	0.86	0.96	1.82	2.60	9.8	
46	5230	0.64	0.81	1.45	1.61	9.8	
54	5270	1.22	1.38	2.60	4.15	9.8	
62	5310	1.15	1.41	2.56	4.08	9.8	
102	5510	1.47	1.66	3.13	4.96	10.3	
118	5590	1.12	1.52	2.64	4.22	10.3	
134	5670	1.05	1.30	2.35	3.71	10.3	
151	5755	0.58	0.63	1.21	0.83	30.0	
159	5795	0.67	0.79	1.46	1.64	30.0	

Directional Gain calculation refer to KDB 662911 D01

Antenna gain refer to the clause 1.7

Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



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Results of Tx Mode: Pass (TX Unit) (802.11ac VHT80) Power Spectral Density Antenna 0										
						Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)
						40		· /	· · · · ·	· · · /
42	5210	0.47	-3.24	11.0						
58	5290	0.54	-2.67	11.0						
106	5530	0.55	-2.56	11.0						
122	5610	0.51	-2.96	11.0						
155	5775	0.26	-5.84	30.0						

	Antenna 1					
Ch.	Frequency (MHz)	PSD (mW)	PSD (dBm)	Limit (dBm)		
42	5210	0.51	-2.91	11.0		
58	5290	0.61	-2.12	11.0		
106	5530	0.61	-2.16	11.0		
122	5610	0.66	-1.78	11.0		
155	5775	0.30	-5.25	30.0		

Results of Tx Mode: Pass (TX Unit) (802.11ac VHT80 - MIMO) **Power Spectral Density** Antenna 0 Antenna 1 Frequency **Total PSD Total PSD** Limit Ch. PSD PSD (MHz) (mW) (dBm) (dBm) (mW) (mW) 0.98 9.8 42 5210 -0.09 0.47 0.51 58 5290 0.54 0.61 1.15 0.61 9.8 106 5530 0.55 0.61 1.16 0.64 10.3 122 5610 0.51 0.66 1.17 0.68 10.3 155 5775 0.26 0.30 0.56 -2.52 30.0

Directional Gain calculation refer to KDB 662911 D01

Antenna gain refer to the clause 1.7

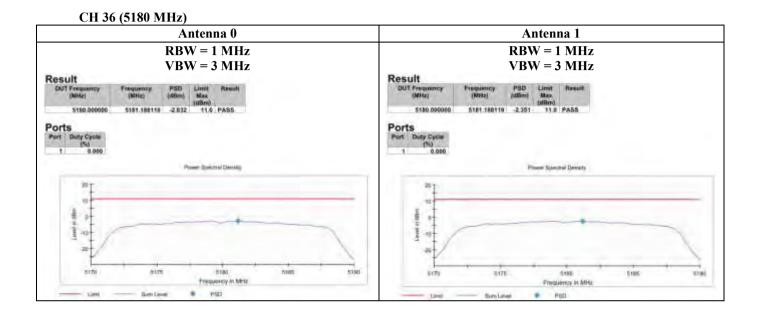
Directional Gain \geq 6.0dB, limit adjusted and the highest gain of each band applied.



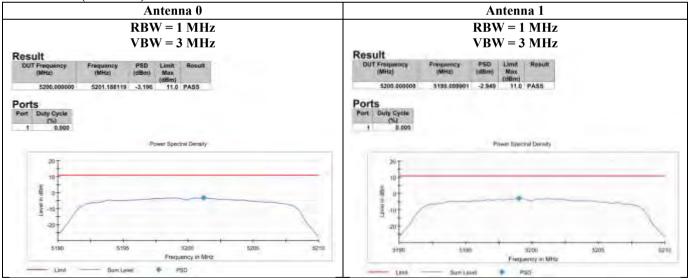
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Tx mode (802.11a)

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CH40 (5200MHz)



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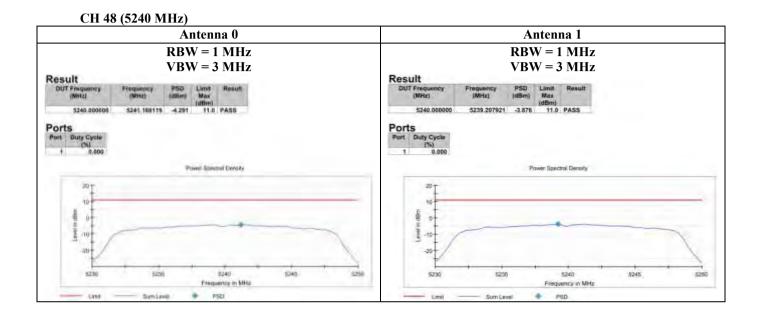
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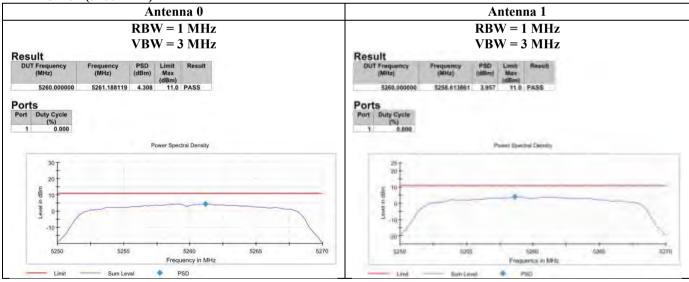
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Tx mode (802.11a)

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CH 52 (5260 MHz)



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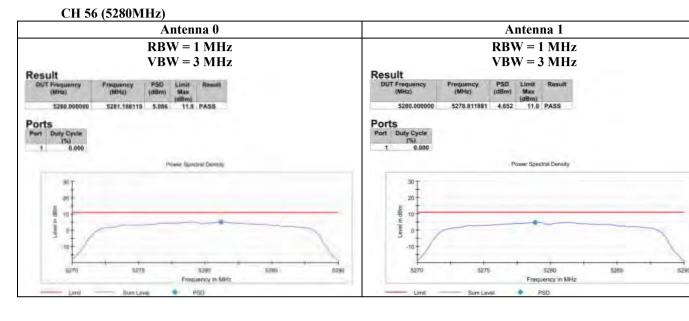
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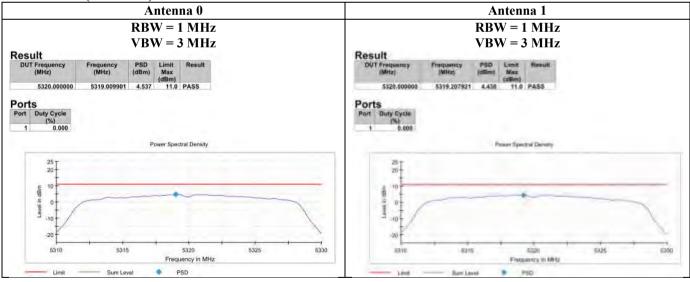
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Tx mode (802.11a)

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CH 64 (5320 MHz)



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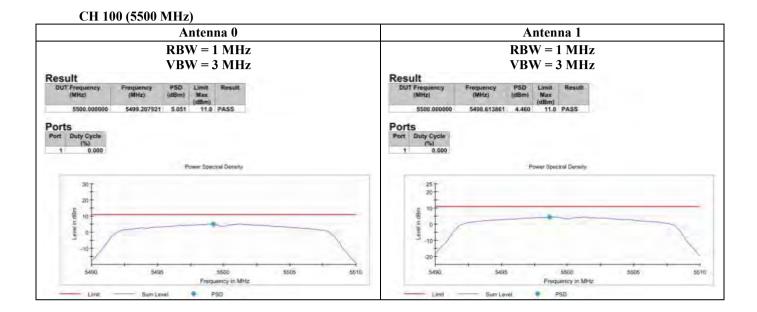
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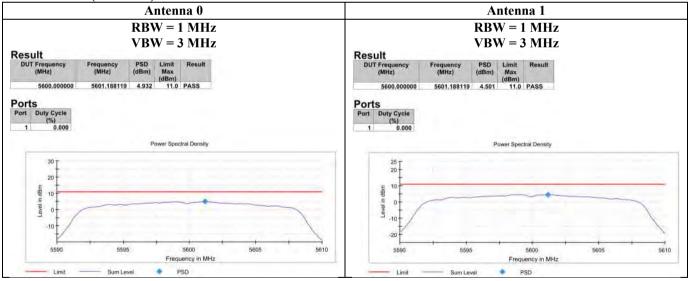
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Tx mode (802.11a)

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CH 120 (5600MHz)



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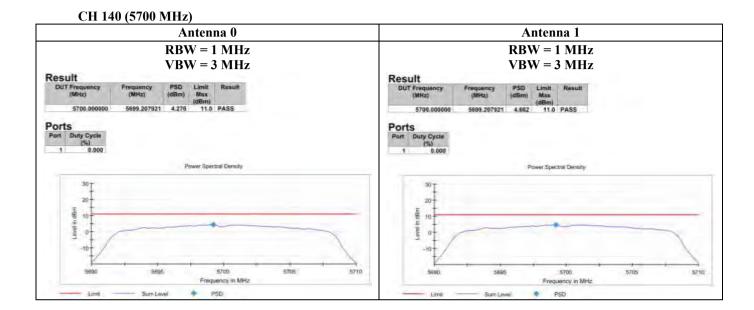
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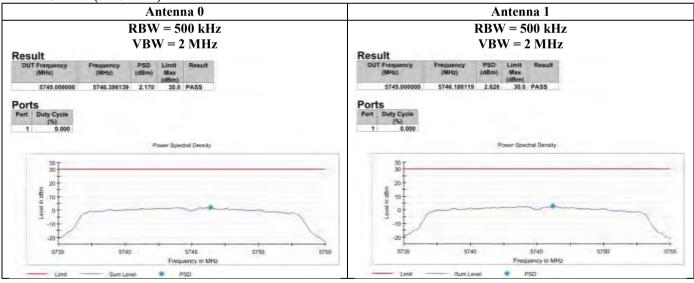
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Tx mode (802.11a)

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CH 149 (5745 MHz)



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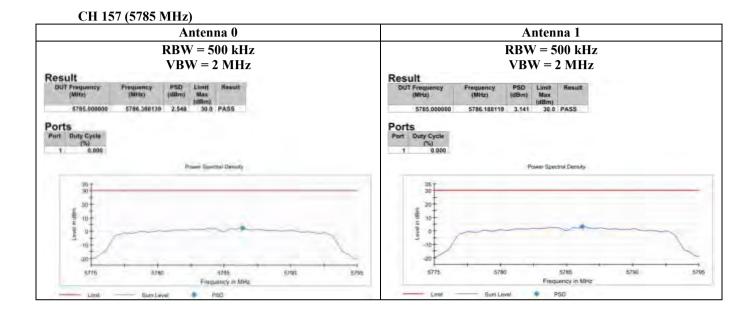
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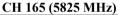


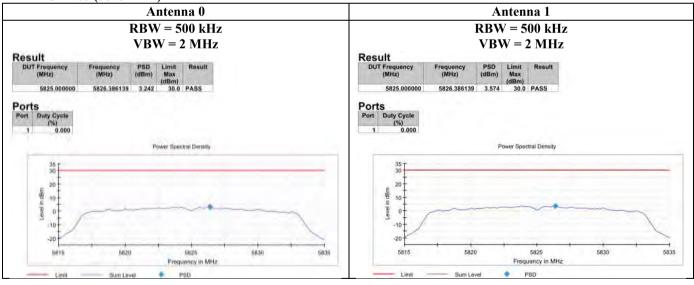
Date : 2021-06-08 No. : HM20020027

Tx mode (802.11a)

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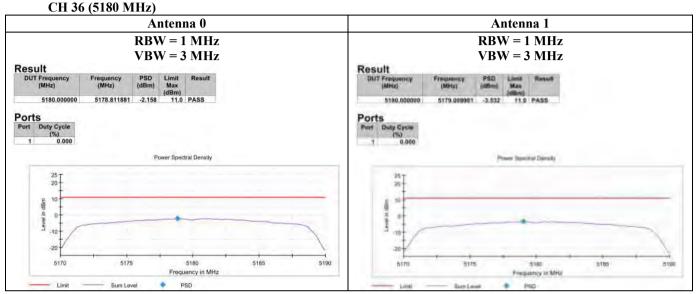
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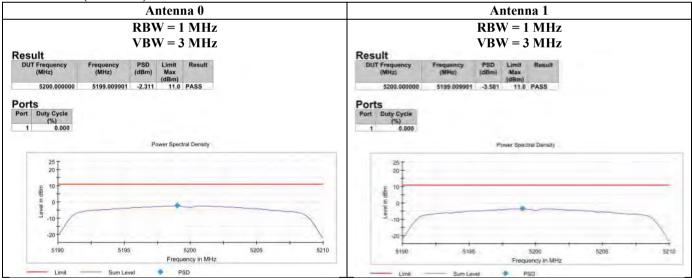
Date : 2021-06-08 No. : HM20020027

Tx mode (802.11n HT20)

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CH40 (5200MHz)



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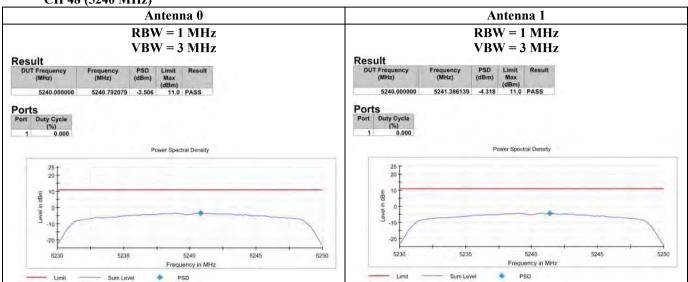


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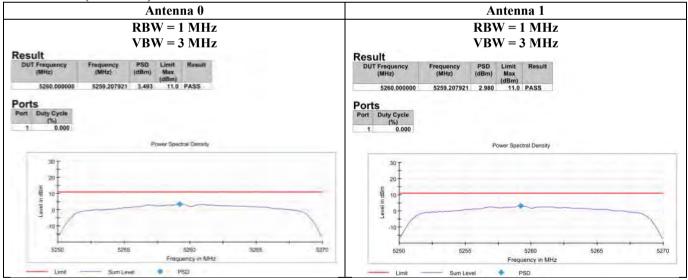
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Tx mode (802.11n HT20)

CH 48 (5240 MHz)



CH 52 (5260 MHz)



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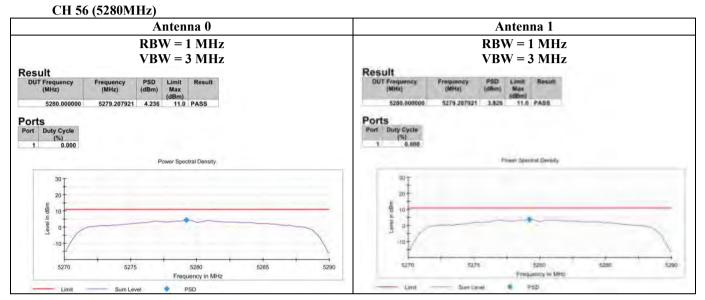
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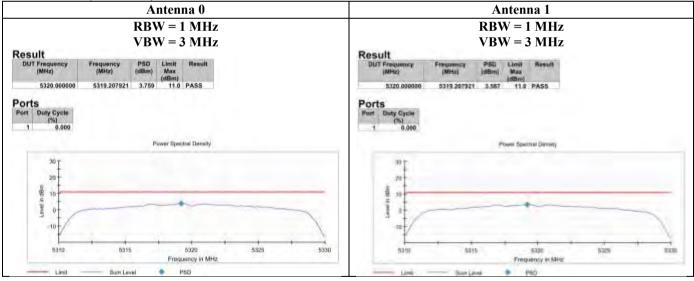


Date : 2021-06-08 No. : HM20020027 Page 106 of 514

Tx mode (802.11n HT20)



CH 64 (5320 MHz)



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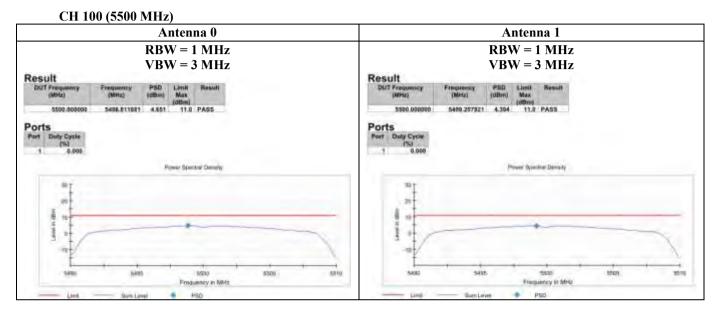
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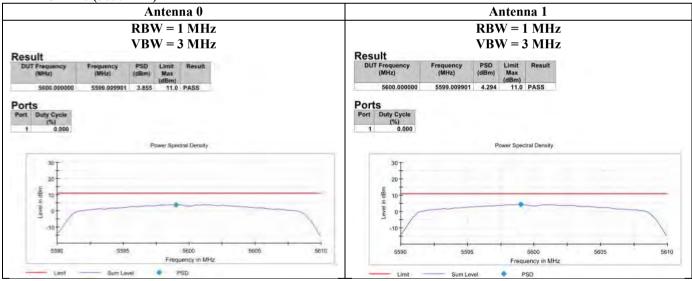
Date : 2021-06-08 No. : HM20020027

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Tx mode (802.11n HT20)



CH 120 (5600MHz)



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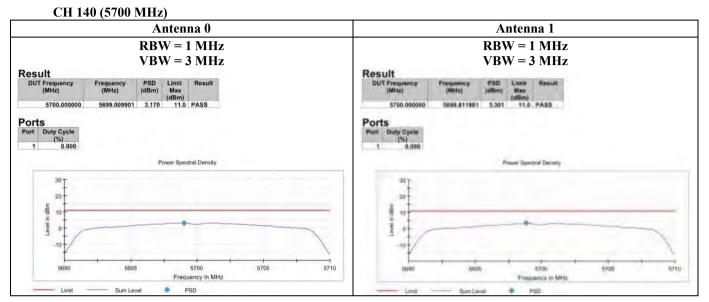
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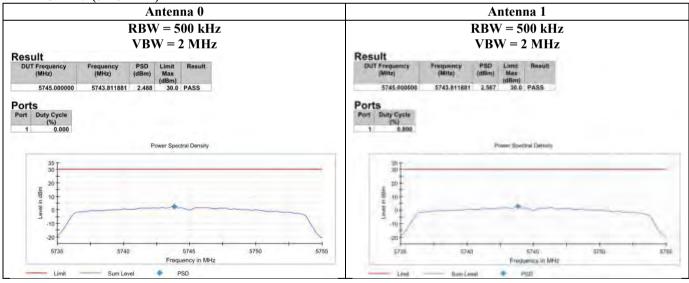
Date : 2021-06-08 No. : HM20020027

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Tx mode (802.11n HT20)



CH 149 (5745 MHz)



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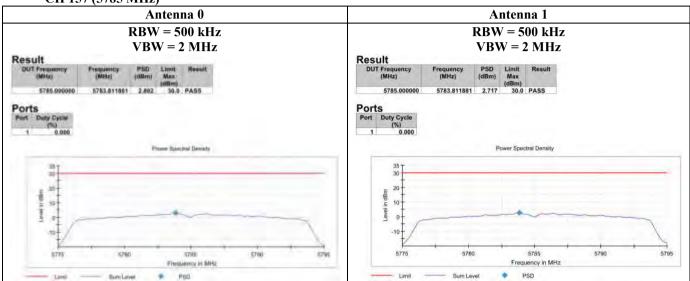


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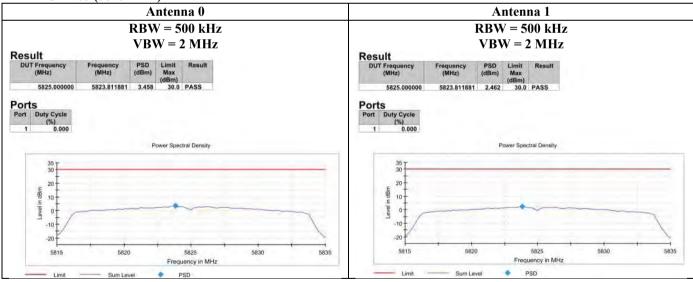
Date : 2021-06-08 No. : HM20020027

Tx mode (802.11n HT20)

CH 157 (5785 MHz)



CH 165 (5825 MHz)



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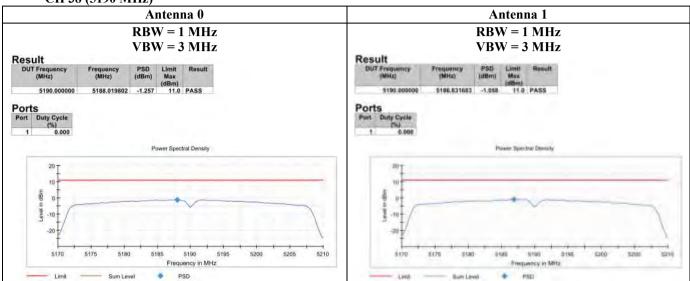


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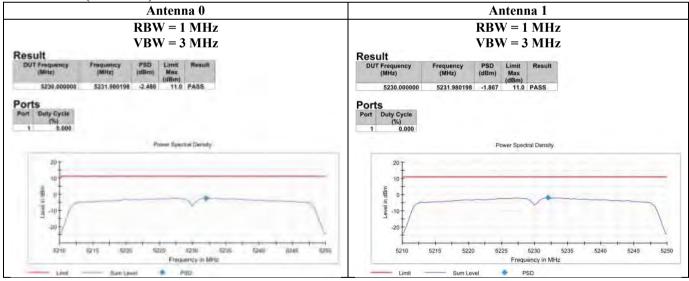
Date : 2021-06-08 No. : HM20020027

Tx mode (802.11n HT40)

CH 38 (5190 MHz)



CH 46 (5230 MHz)



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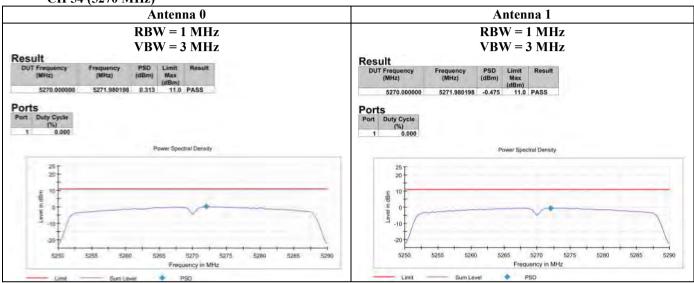


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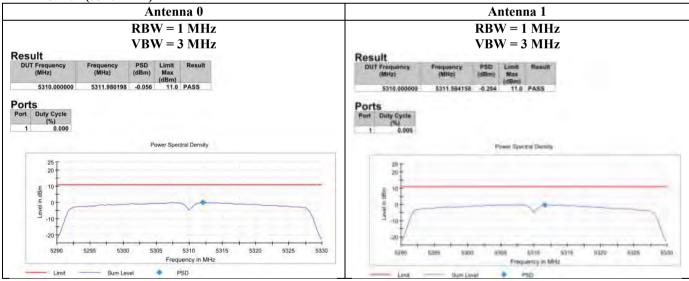
Date : 2021-06-08 No. : HM20020027

Tx mode (802.11n HT40)

CH 54 (5270 MHz)



CH 62 (5310 MHz)



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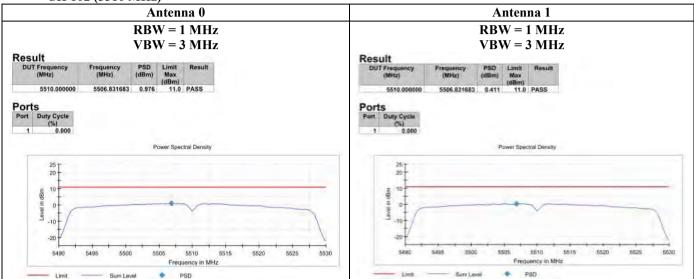


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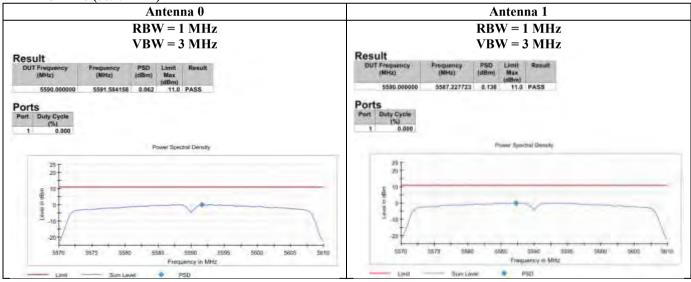
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Tx mode (802.11n HT40)

CH 102 (5510 MHz)



CH 118 (5590 MHz)



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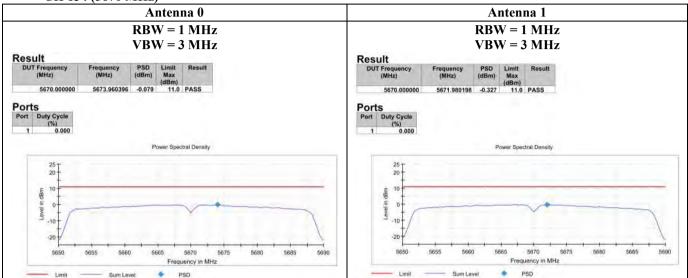


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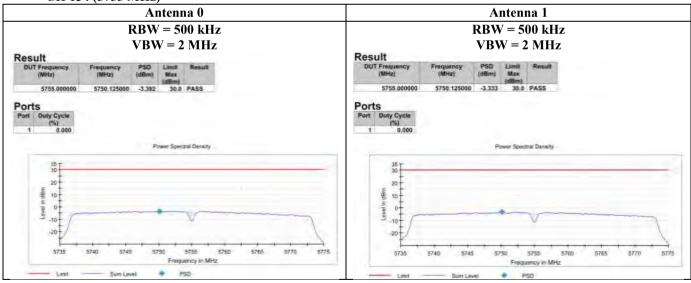
Date : 2021-06-08 No. : HM20020027

Tx mode (802.11n HT40)

CH 134 (5670 MHz)



CH 134 (5755 MHz)



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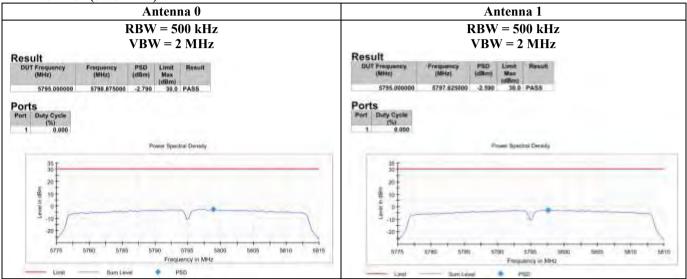
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Tx mode (802.11n HT40)

CH 134 (5795 MHz)

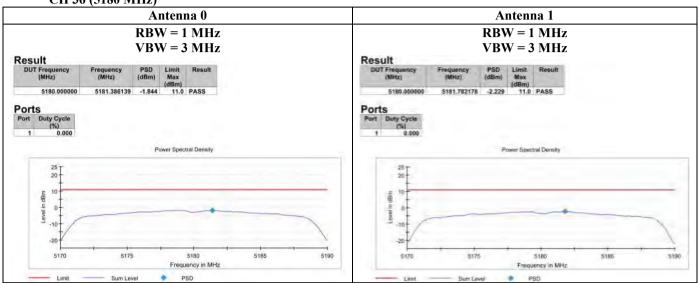




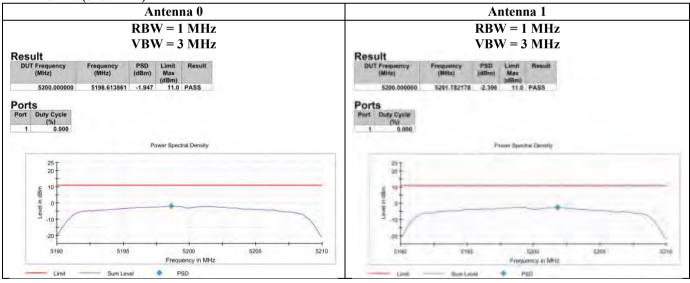
Date : 2021-06-08 No. : HM20020027 Page 115 of 514

Tx mode (802.11ac VHT20)

CH 36 (5180 MHz)



CH40 (5200MHz)



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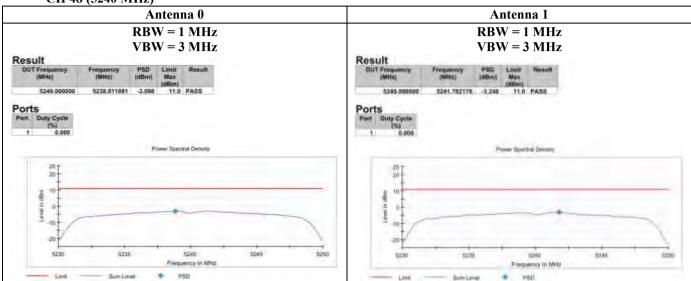


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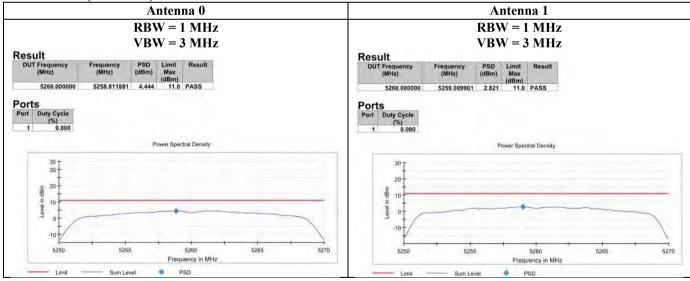
Date : 2021-06-08 No. : HM20020027

Tx mode (802.11ac VHT20)

CH 48 (5240 MHz)



CH 52 (5260 MHz)



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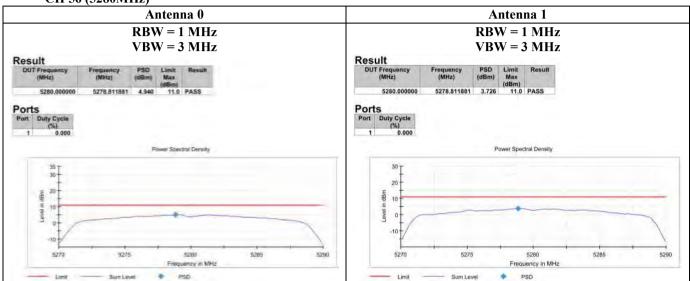
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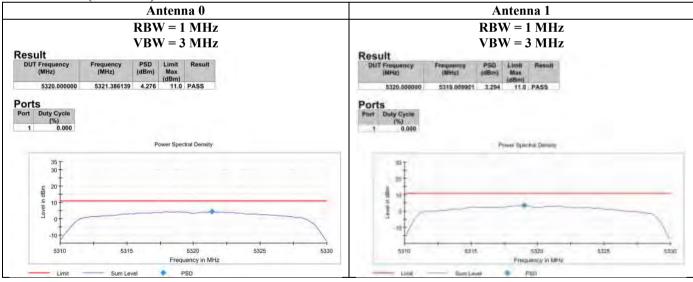
Date : 2021-06-08 No. : HM20020027 Page 117 of 514

Tx mode (802.11ac VHT20)

CH 56 (5280MHz)



CH 64 (5320 MHz)



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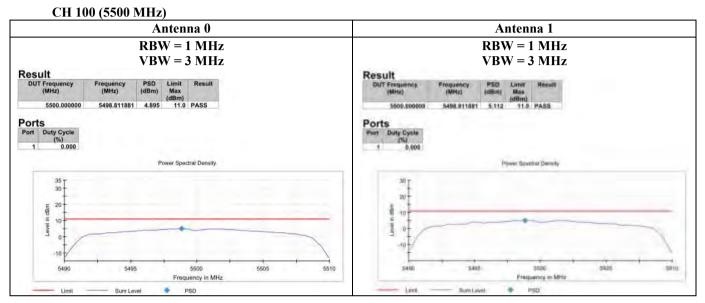
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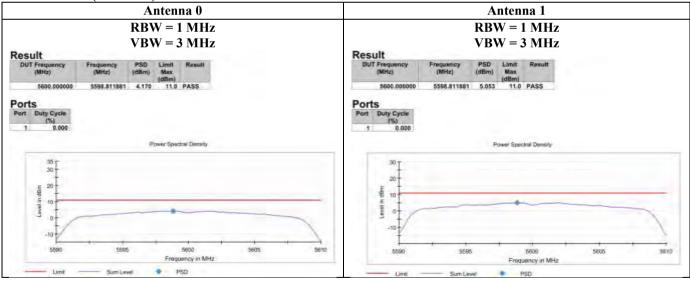
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Tx mode (802.11ac VHT20)



CH 120 (5600MHz)



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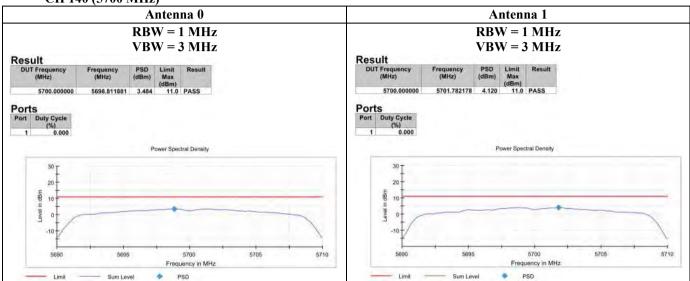


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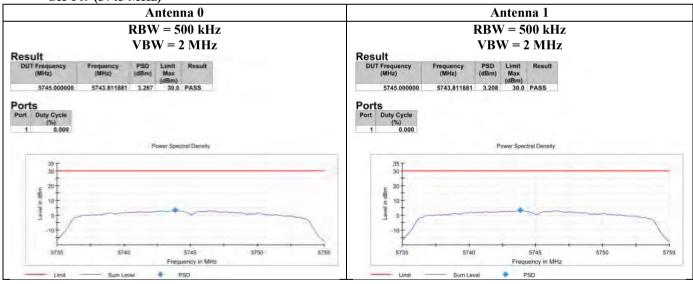
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Tx mode (802.11ac VHT20)

CH 140 (5700 MHz)



CH 149 (5745 MHz)



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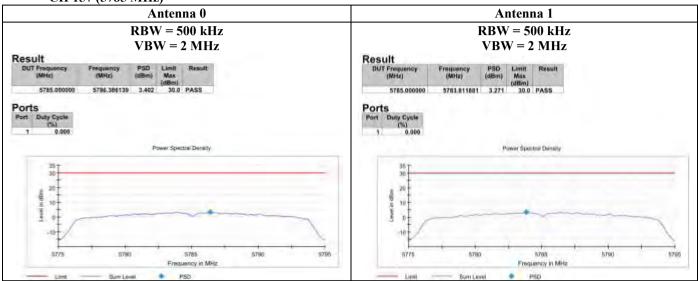


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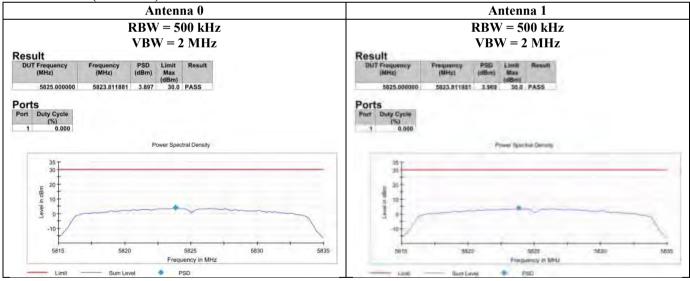
Date : 2021-06-08 No. : HM20020027

Tx mode (802.11ac VHT20)

CH 157 (5785 MHz)



CH 165 (5825 MHz)



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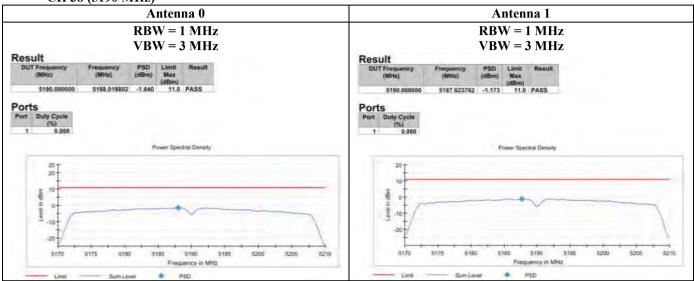


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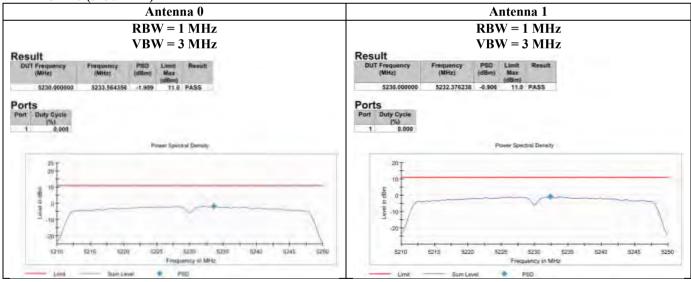
Page 121 of 514

Tx mode (802.11ac VHT40)

CH 38 (5190 MHz)



CH 46 (5230 MHz)



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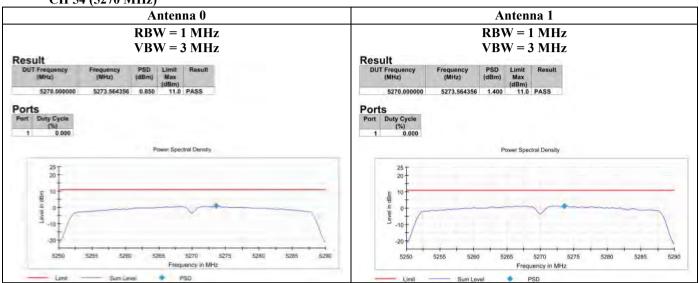
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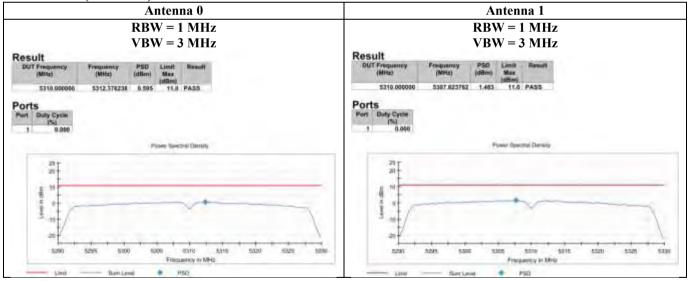
Date : 2021-06-08 No. : HM20020027 Page 122 of 514

Tx mode (802.11ac VHT40)

CH 54 (5270 MHz)



CH 62 (5310 MHz)



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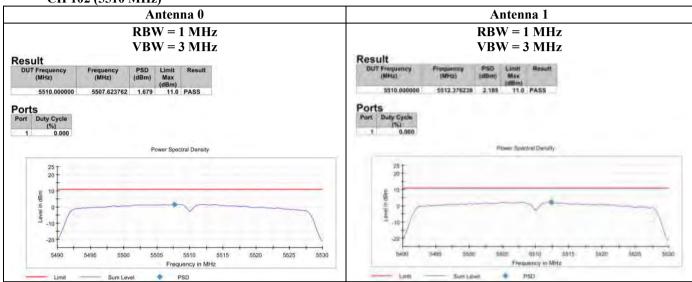


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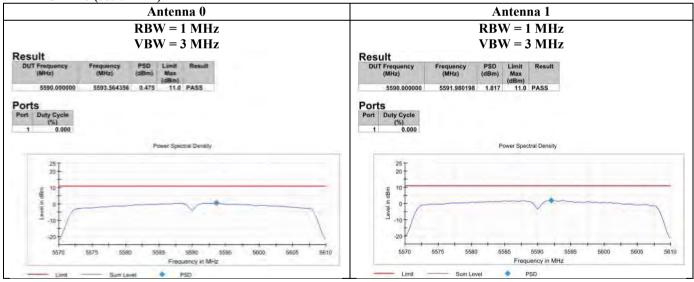
Page 123 of 514

Tx mode (802.11ac VHT40)





CH 118 (5590 MHz)



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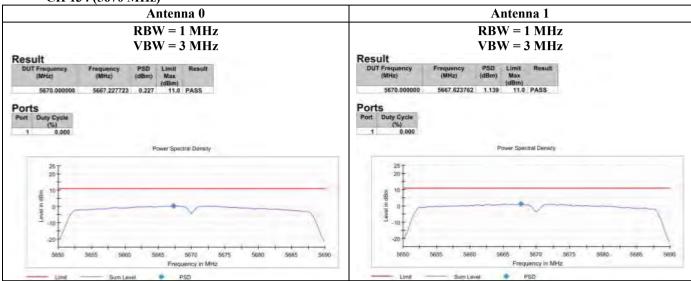


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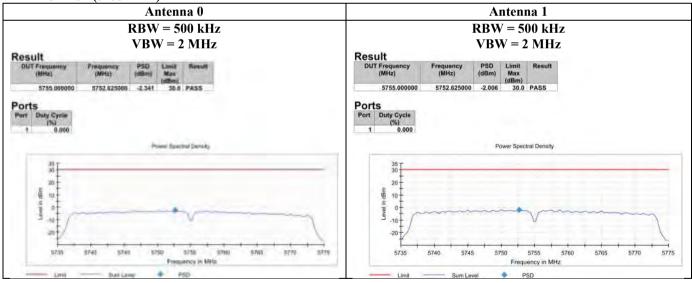
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Tx mode (802.11ac VHT40)

CH 134 (5670 MHz)



CH 134 (5755 MHz)



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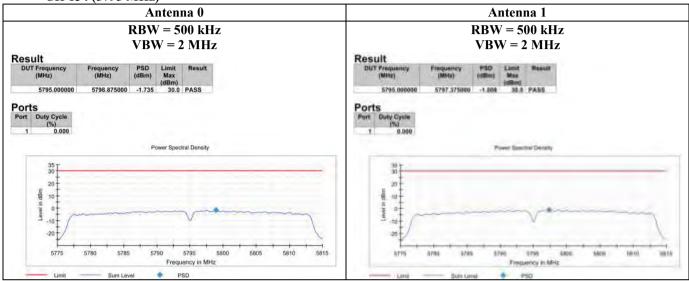
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Tx mode (802.11ac VHT40)





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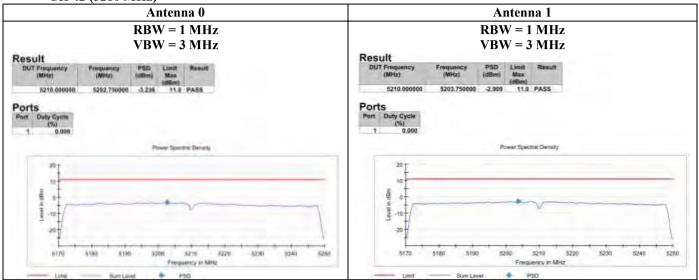


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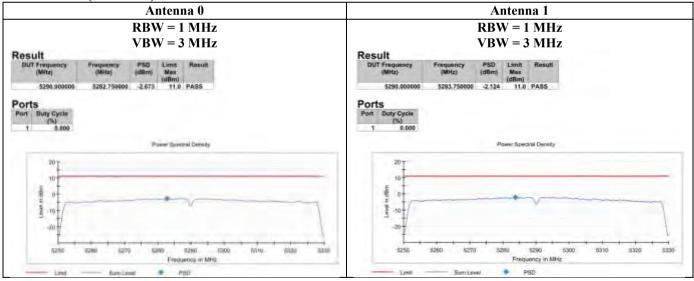
Page 126 of 514

Tx mode (802.11ac VHT80)





CH 58 (5290 MHz)



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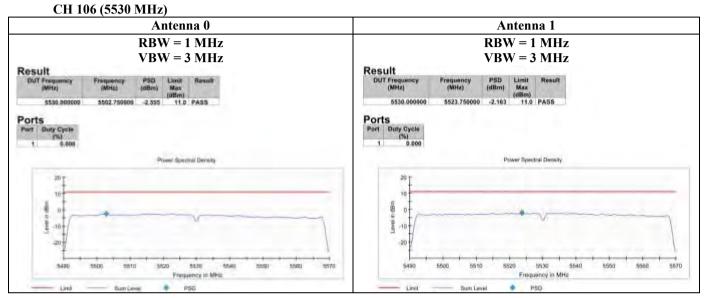
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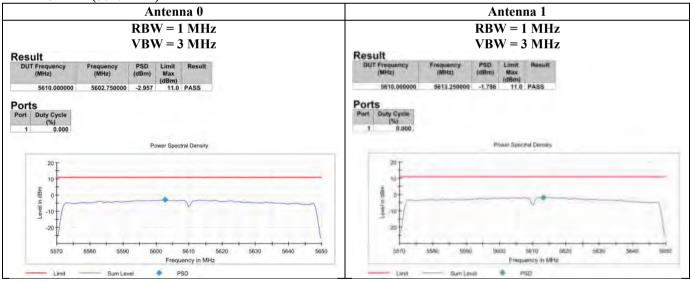
Date : 2021-06-08 No. : HM20020027 Page 127 of 514

-

Tx mode (802.11ac VHT80)



CH 122 (5610 MHz)



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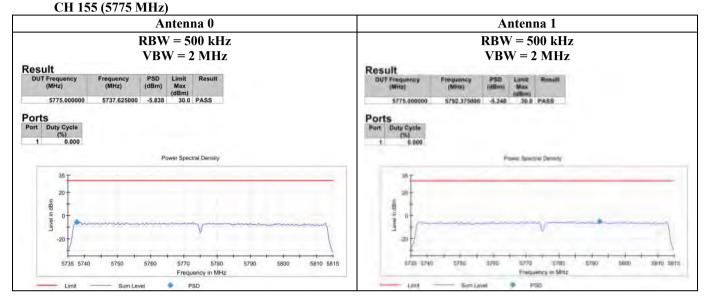
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Tx mode (802.11ac VHT80)





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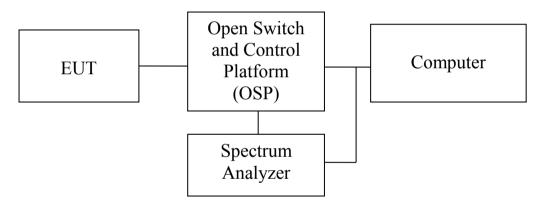
3.1.4 6dB and 26dB Bandwidth Measurement

Test Requirement:	FCC 47CFR 15.407(a)
Test Method:	ANSI C63.10:2013
Test Date:	2020-04-26 to 2021-04-27
Mode of Operation:	Tx mode (802.11 a/n/ac)

Test Method:

The bandwidth is measured at an amplitude level reduced from the reference level by a specified ratio. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

Test Setup:

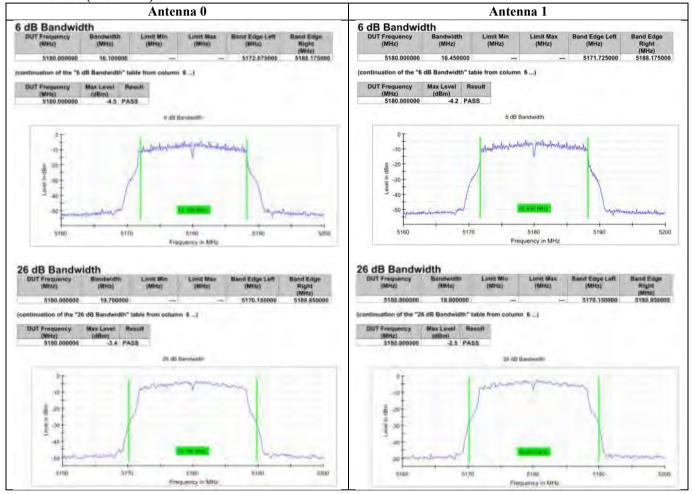




Date : 2021-06-08 No. : HM20020027 Page 130 of 514

Results of Tx Mode (802.11a) : Pass

CH 36 (5180 MHz)



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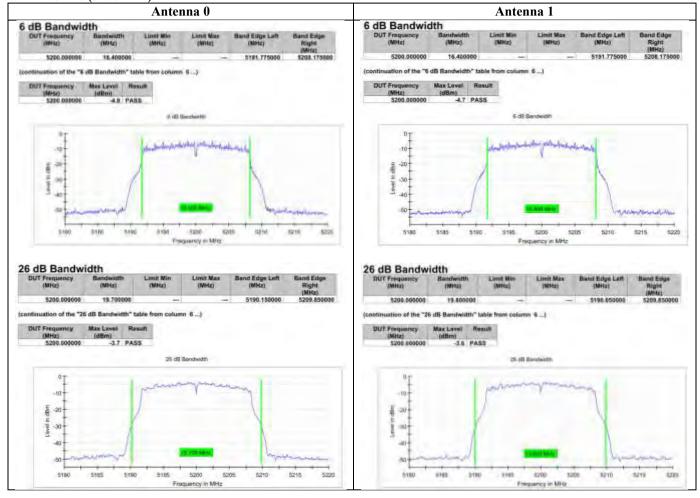
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Results of Tx Mode (802.11a) : Pass

CH40 (5200MHz)



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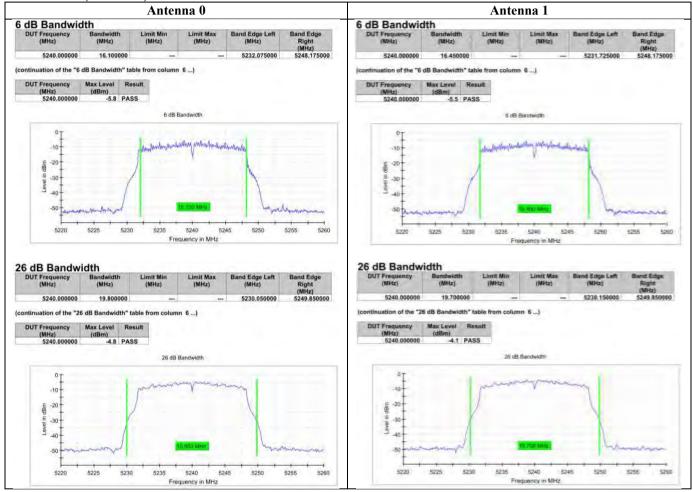


Date : 2021-06-08 No. : HM20020027

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Results of Tx Mode (802.11a) : Pass

CH48 (5240MHz)



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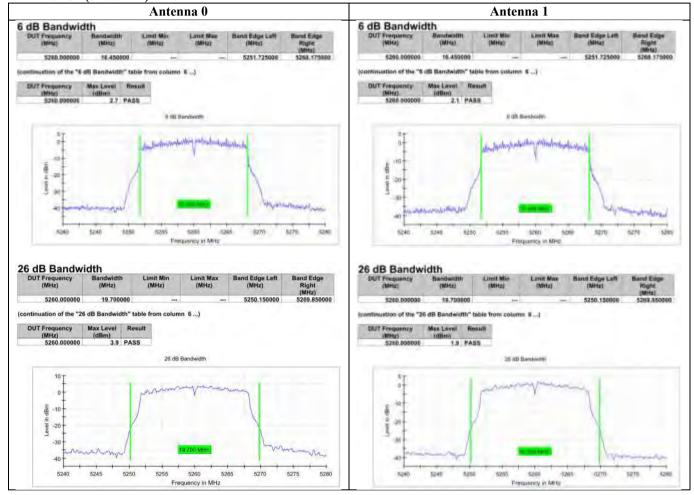


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Results of Tx Mode (802.11a) : Pass

CH52 (5260MHz)



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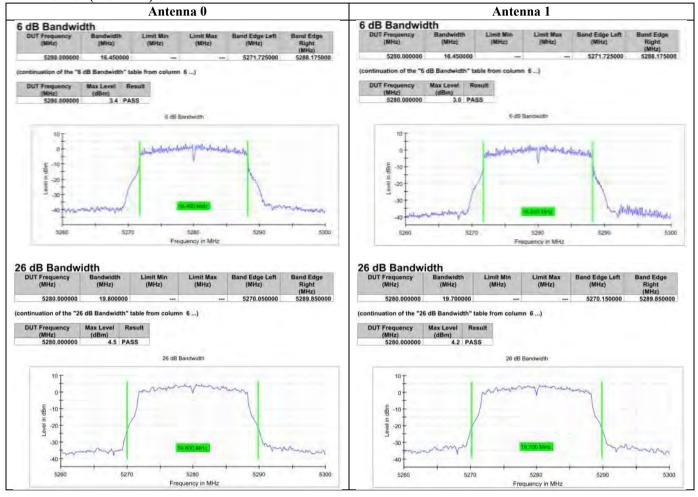


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Results of Tx Mode (802.11a) : Pass

CH 56 (5280MHz)



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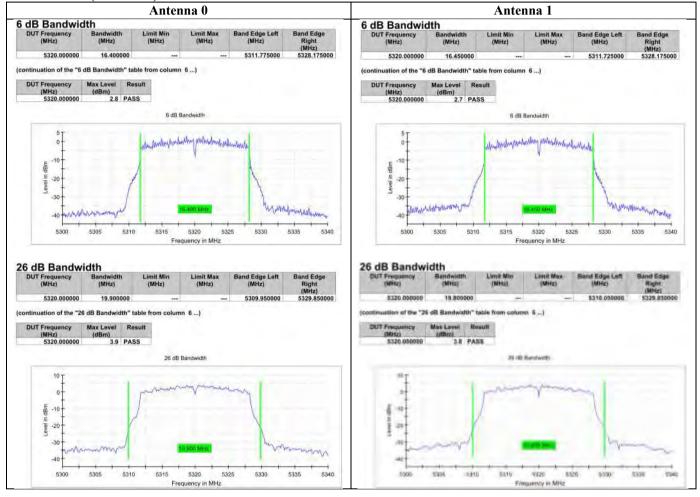


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Results of Tx Mode (802.11a) : Pass

CH 64 (5320 MHz)



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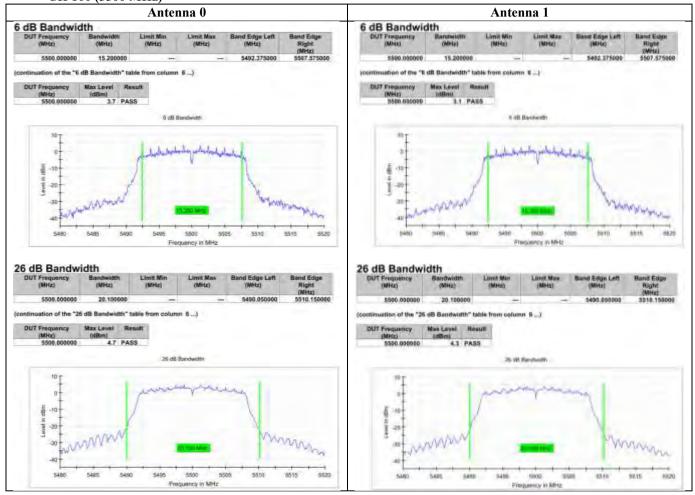
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Results of Tx Mode (802.11a) : Pass

CH 100 (5500 MHz)



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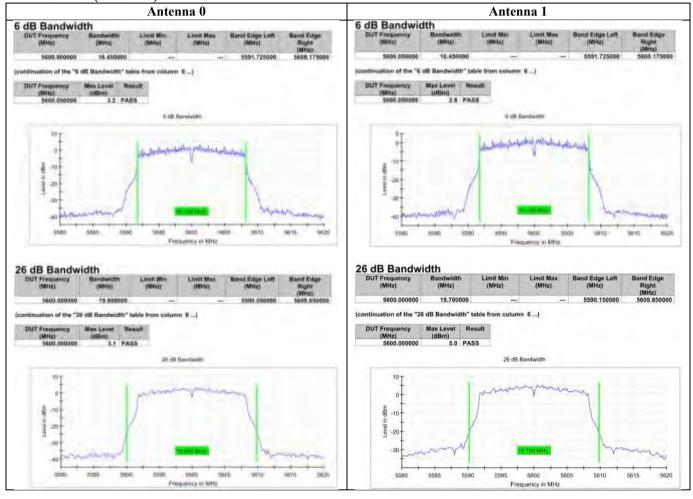
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Results of Tx Mode (802.11a) : Pass

CH 120 (5600MHz)



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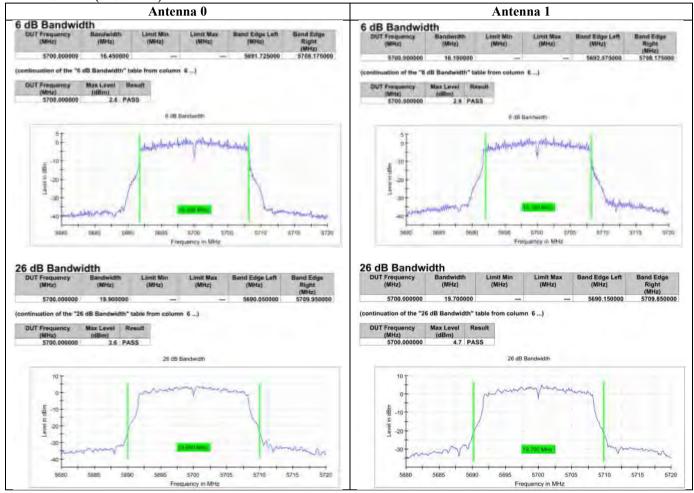


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Results of Tx Mode (802.11a) : Pass

CH 140 (5700 MHz)



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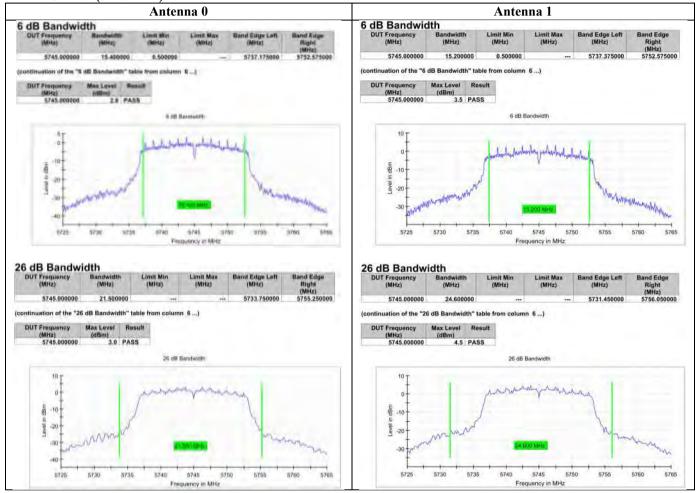


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Results of Tx Mode (802.11a) : Pass

CH 149 (5745 MHz)



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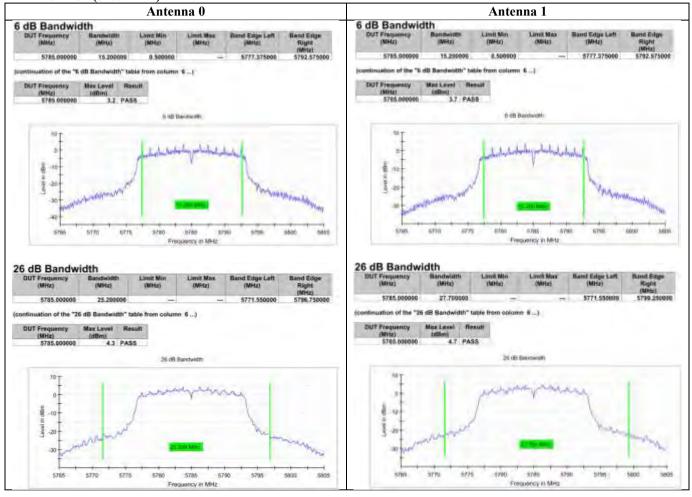


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Results of Tx Mode (802.11a) : Pass

CH 157 (5785 MHz)



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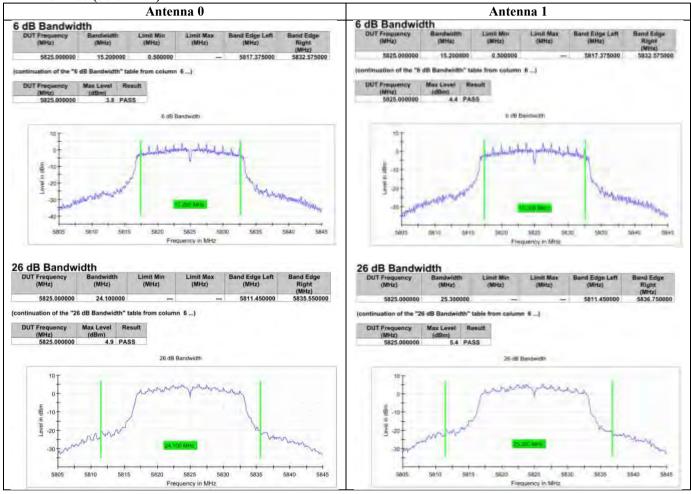
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Results of Tx Mode (802.11a) : Pass

CH 165 (5825 MHz)



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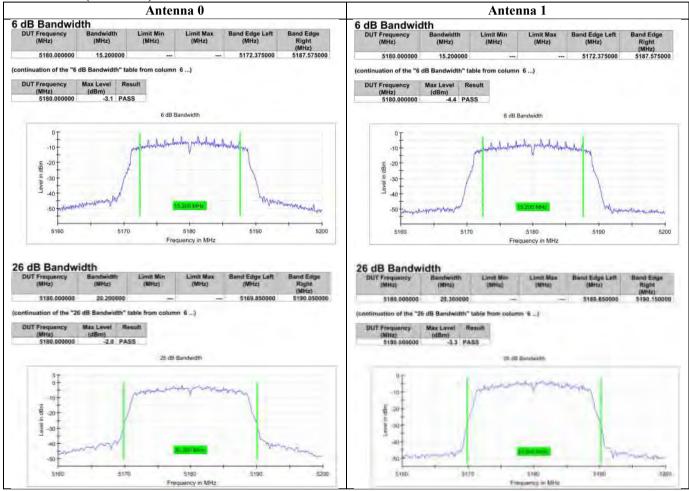


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Results of Tx Mode (802.11n HT20) : Pass

CH 36 (5180 MHz)



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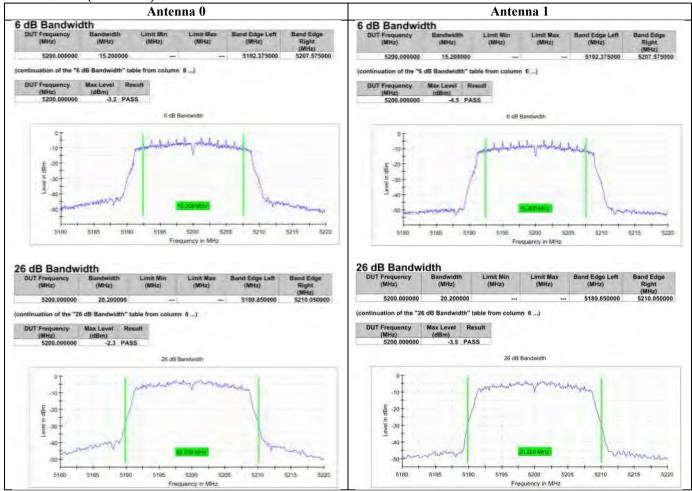


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Results of Tx Mode (802.11n HT20) : Pass

CH 40 (5200 MHz)



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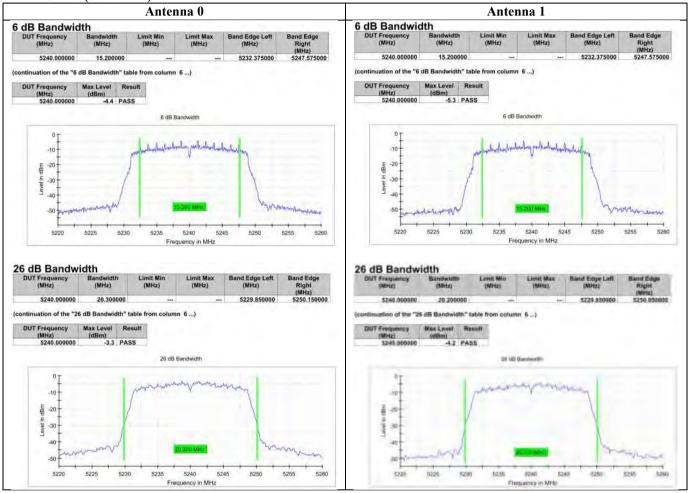


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Results of Tx Mode (802.11n HT20) : Pass

CH 48 (5240 MHz)



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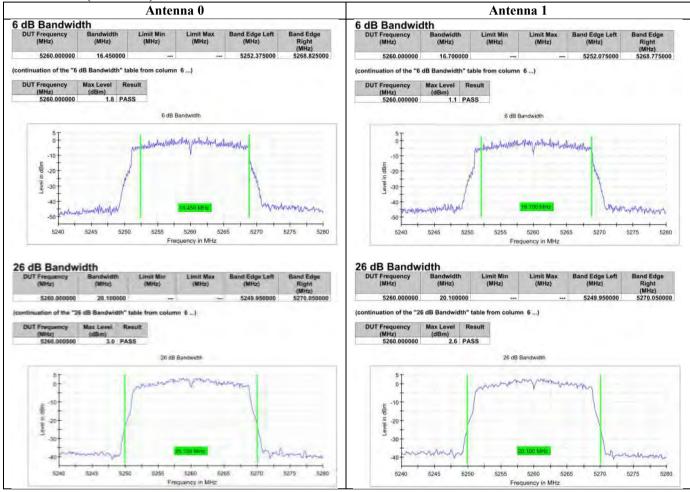


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Results of Tx Mode (802.11n HT20) : Pass

CH 52 (5260 MHz)



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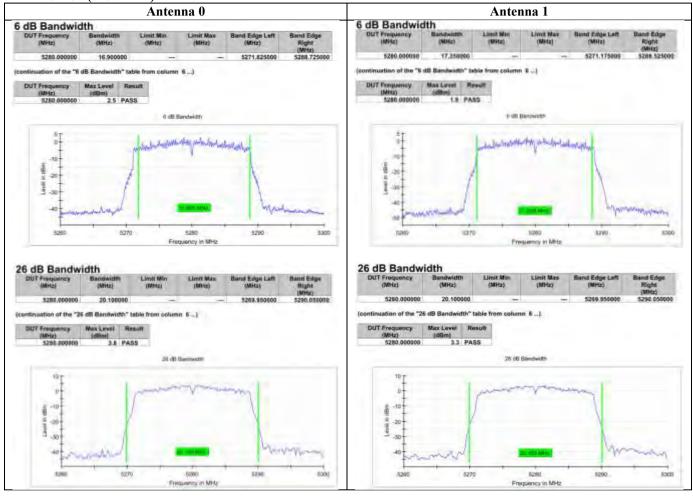
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Results of Tx Mode (802.11n HT20) : Pass

CH 56 (5280 MHz)



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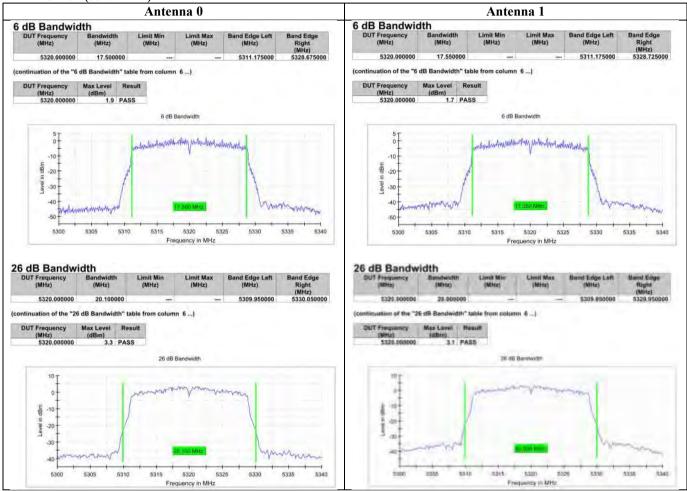


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Results of Tx Mode (802.11n HT20) : Pass

CH 64 (5320 MHz)



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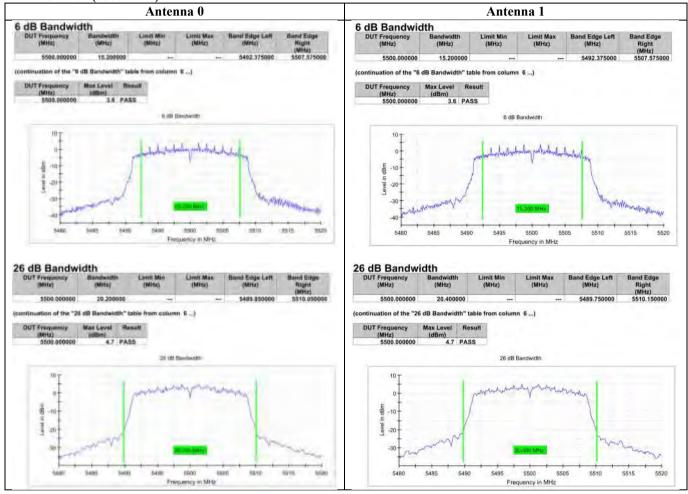


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Results of Tx Mode (802.11n HT20) : Pass

CH 100 (5500 MHz)



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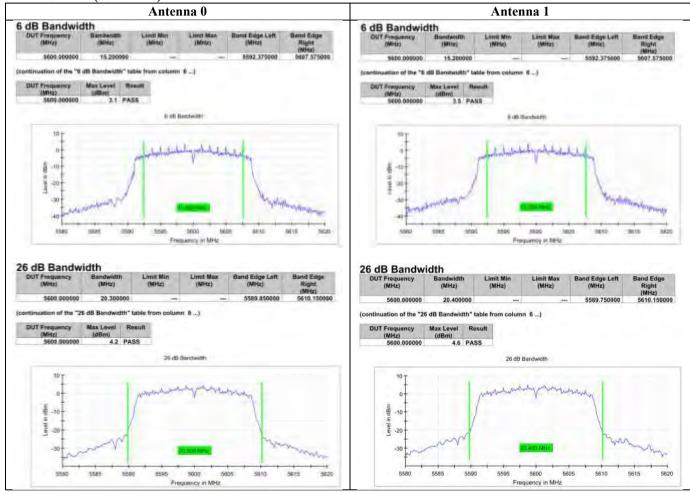


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Results of Tx Mode (802.11n HT20) : Pass

CH 120 (5600 MHz)



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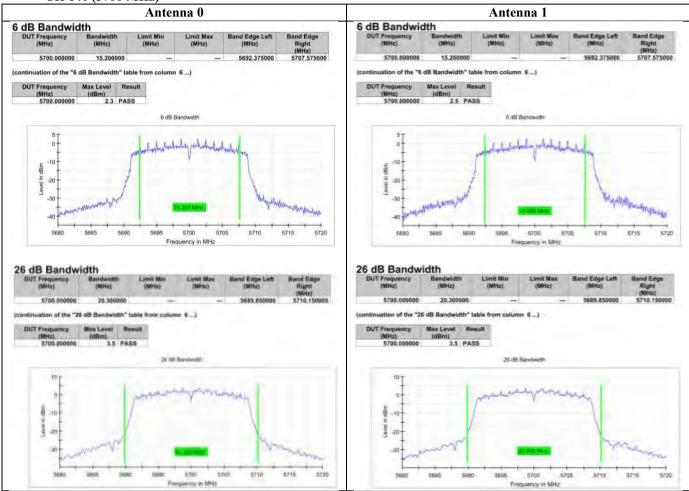


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Results of Tx Mode (802.11n HT20) : Pass

CH 140 (5700 MHz)



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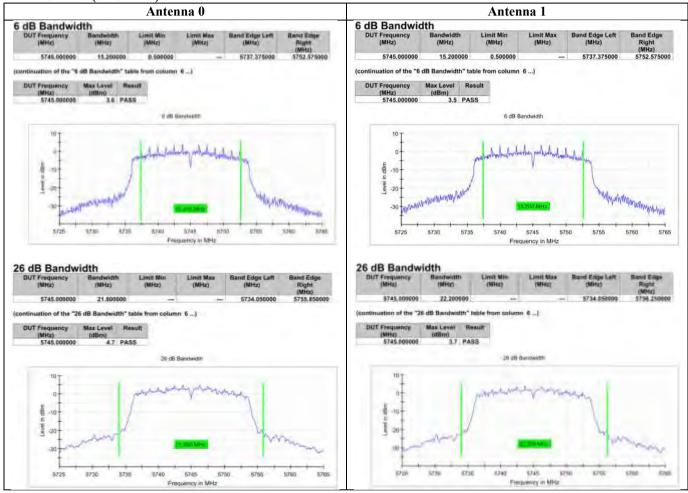
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Results of Tx Mode (802.11n HT20) : Pass

CH 149 (5745 MHz)



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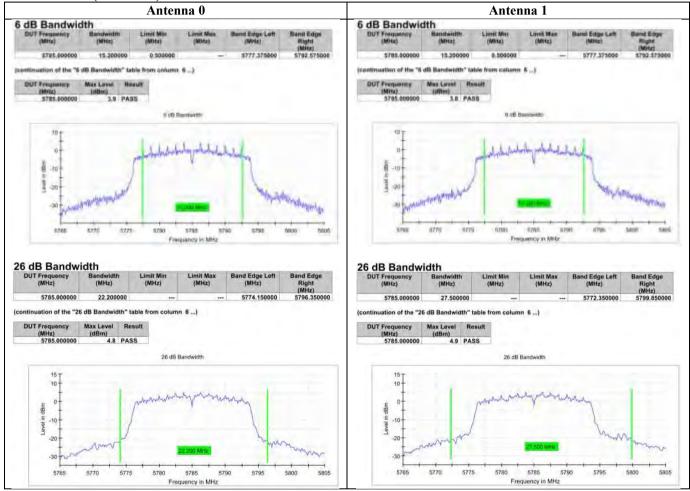


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Results of Tx Mode (802.11n HT20) : Pass

CH 157 (5785 MHz)



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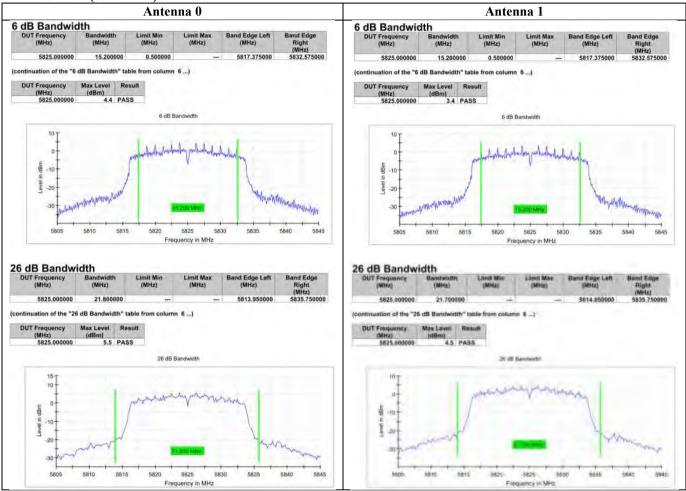


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Results of Tx Mode (802.11n HT20) : Pass

CH 165 (5825 MHz)



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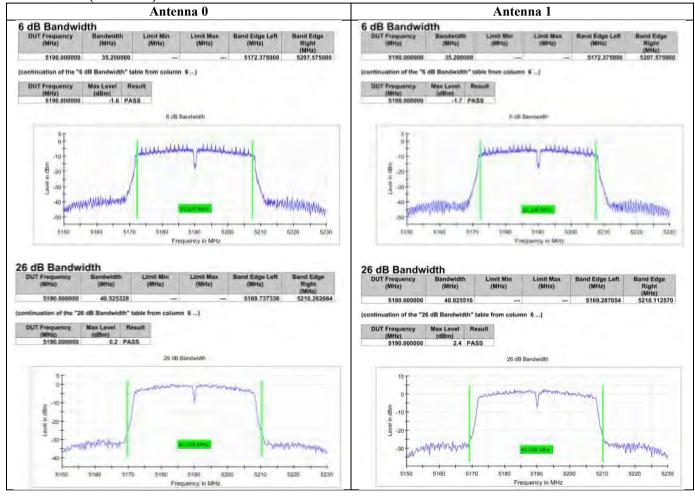


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Results of Tx Mode (802.11n HT40) : Pass

CH 38 (5190 MHz)



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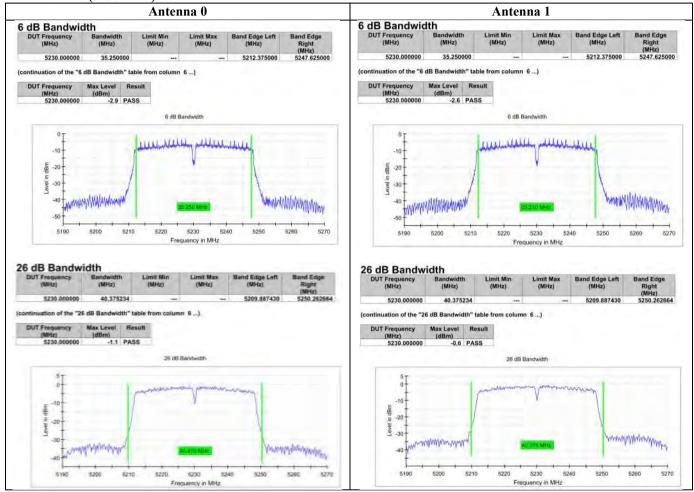
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Results of Tx Mode (802.11n HT40) : Pass

CH 46 (5230 MHz)



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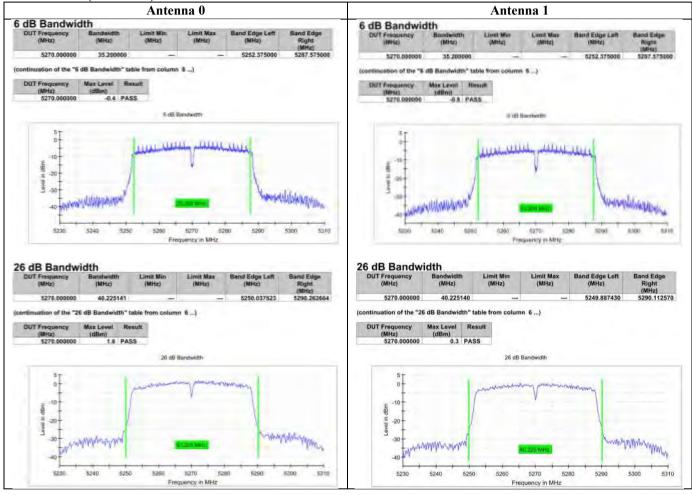


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Results of Tx Mode (802.11n HT40) : Pass

CH 54 (5270 MHz)



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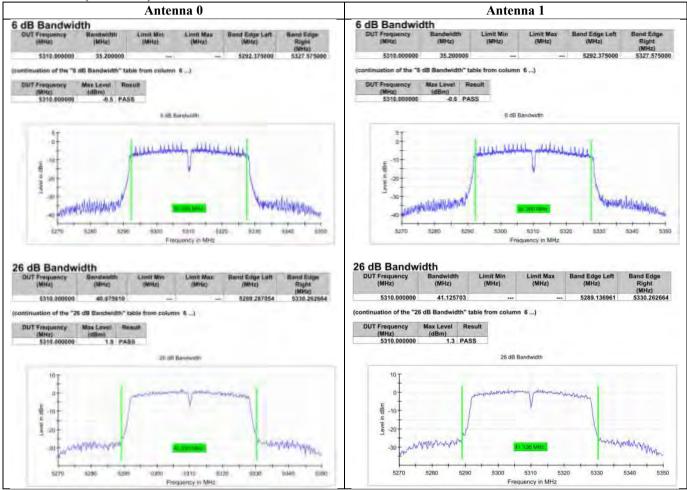


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Results of Tx Mode (802.11n HT40) : Pass

CH 62 (5310 MHz)



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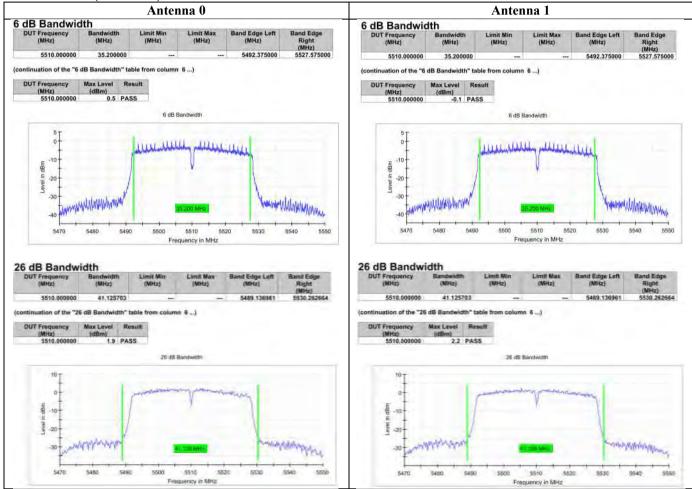


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Results of Tx Mode (802.11n HT40) : Pass

CH 102 (5510 MHz)



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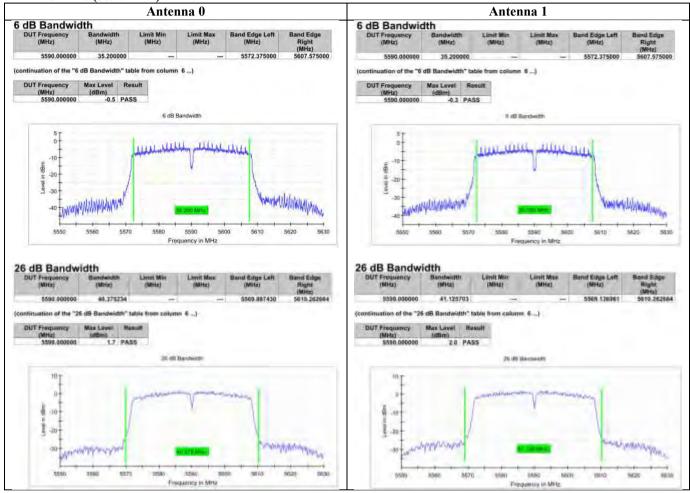
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Results of Tx Mode (802.11n HT40) : Pass

CH 118 (5590 MHz)



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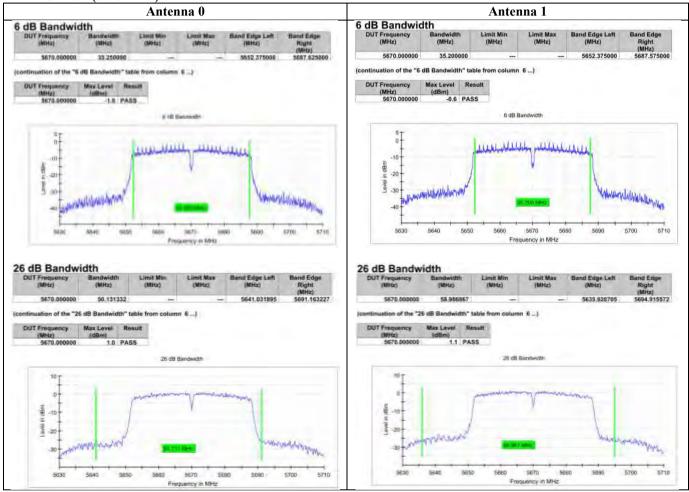


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Results of Tx Mode (802.11n HT40) : Pass

CH 134 (5670 MHz)



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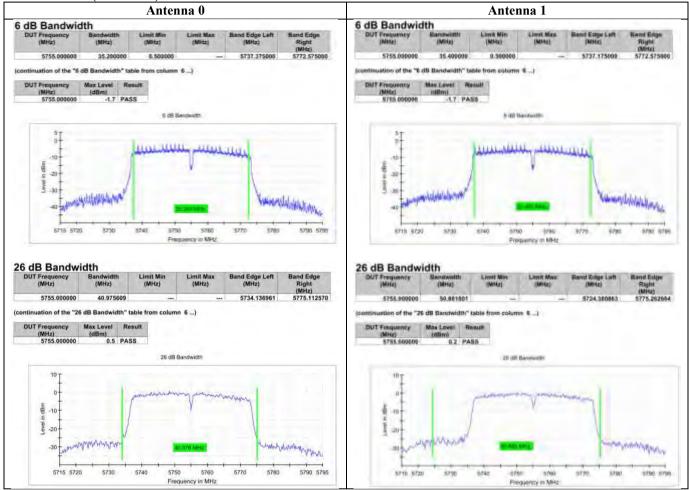


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Results of Tx Mode (802.11n HT40) : Pass

CH 151 (5755 MHz)



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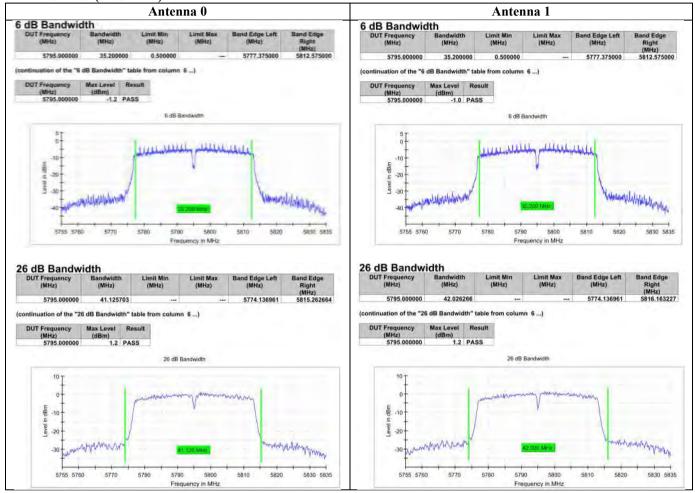
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Results of Tx Mode (802.11n HT40) : Pass

CH 159 (5795 MHz)



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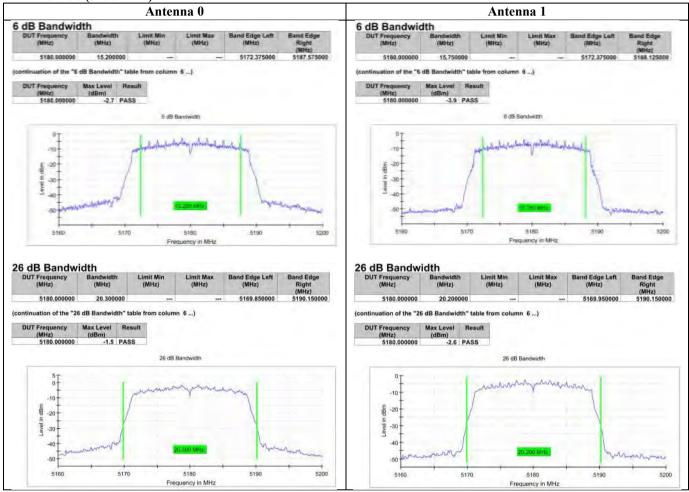


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Results of Tx Mode (802.11ac VHT20) : Pass

CH 36 (5180 MHz)



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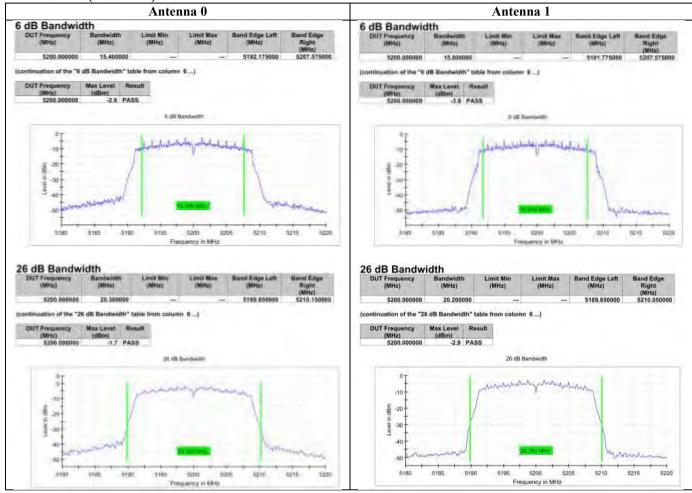


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Results of Tx Mode (802.11ac VHT20) : Pass

CH 40 (5200 MHz)



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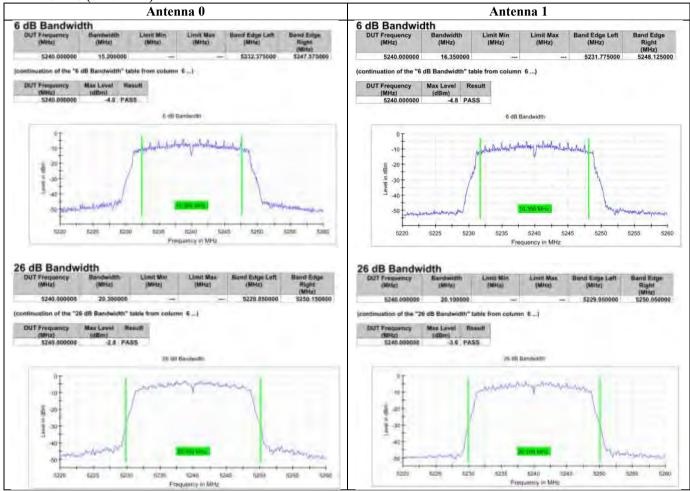


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Results of Tx Mode (802.11ac VHT20) : Pass

CH 48 (5240 MHz)



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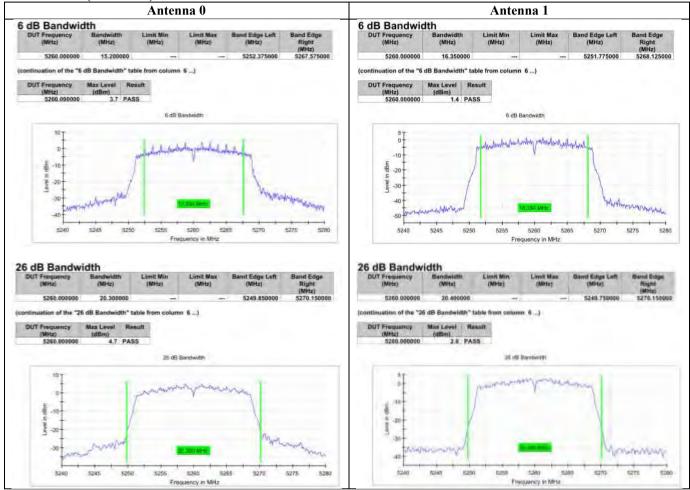
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Results of Tx Mode (802.11ac VHT20) : Pass

CH 52 (5260 MHz)



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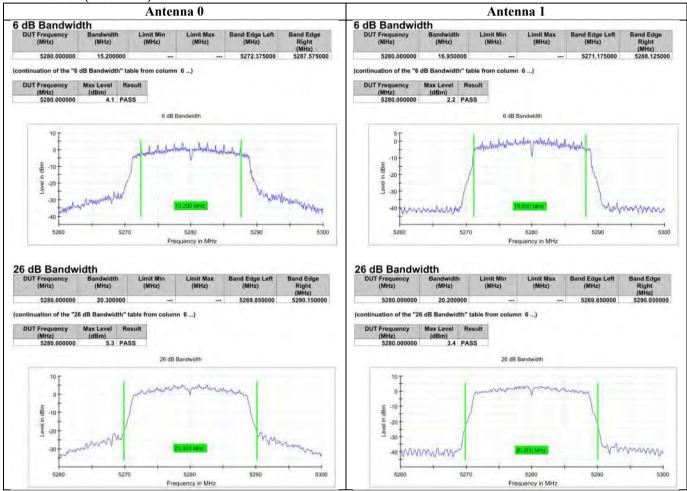
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Results of Tx Mode (802.11ac VHT20) : Pass

CH 56 (5280 MHz)



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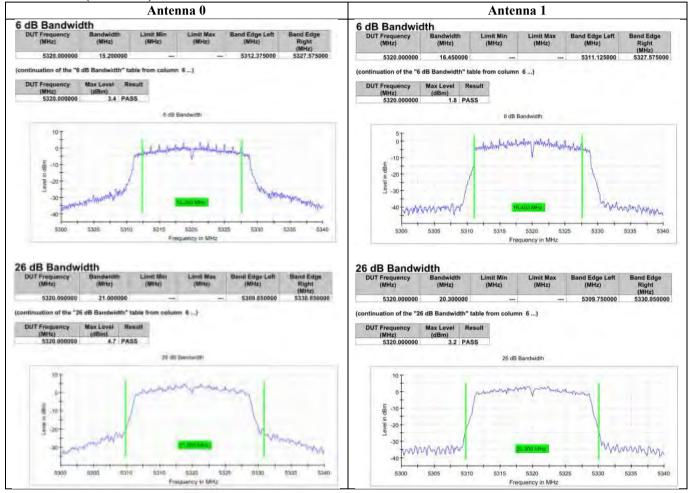


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Results of Tx Mode (802.11ac VHT20) : Pass

CH 64 (5320 MHz)



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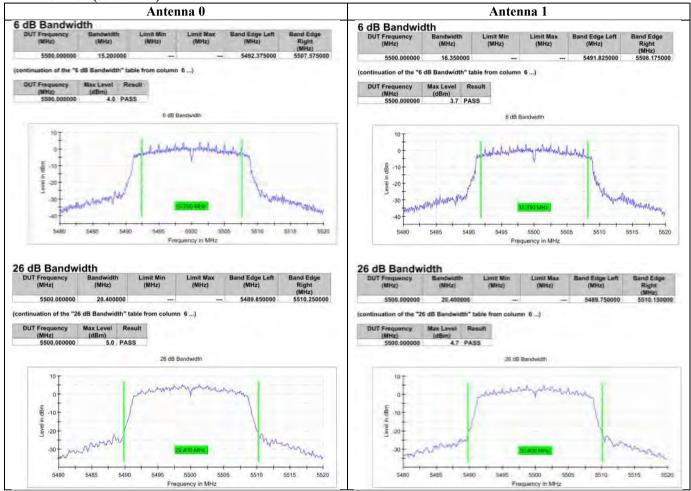


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Results of Tx Mode (802.11ac VHT20) : Pass

CH 100 (5500 MHz)



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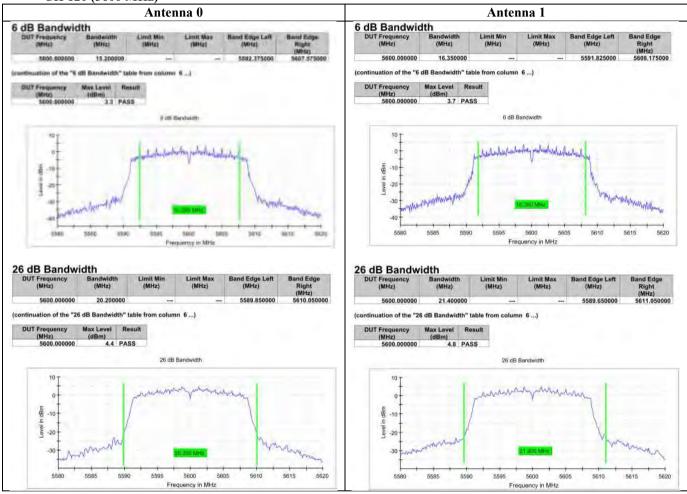
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Results of Tx Mode (802.11ac VHT20) : Pass

CH 120 (5600 MHz)



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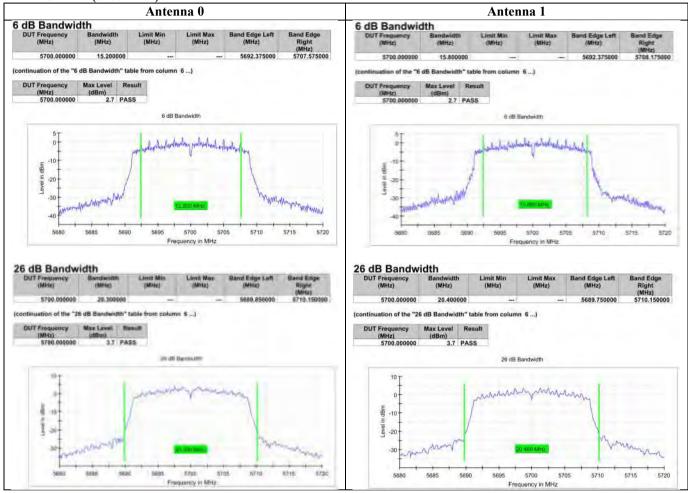


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Results of Tx Mode (802.11ac VHT20) : Pass

CH 140 (5700 MHz)



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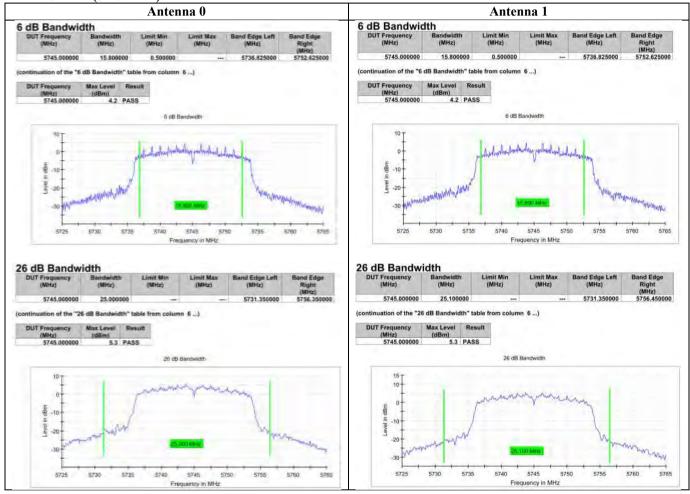


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Results of Tx Mode (802.11ac VHT20) : Pass

CH 149 (5745 MHz)



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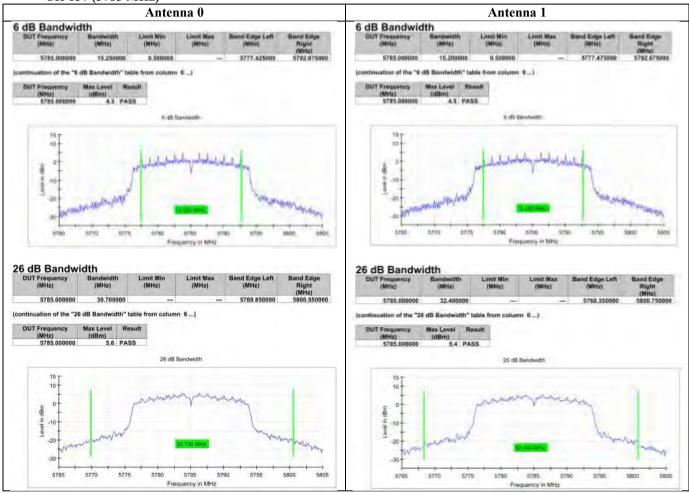
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Results of Tx Mode (802.11ac VHT20) : Pass

CH 157 (5785 MHz)



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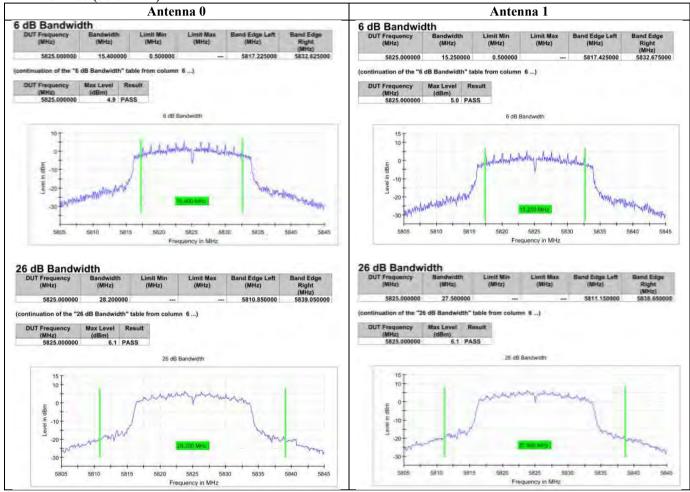


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Results of Tx Mode (802.11ac VHT20) : Pass

CH 165 (5825 MHz)



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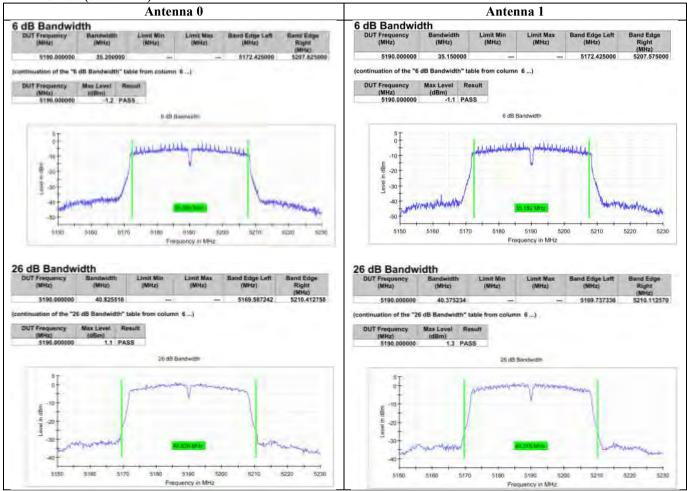


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Results of Tx Mode (802.11ac VHT40) : Pass

CH 38 (5190 MHz)



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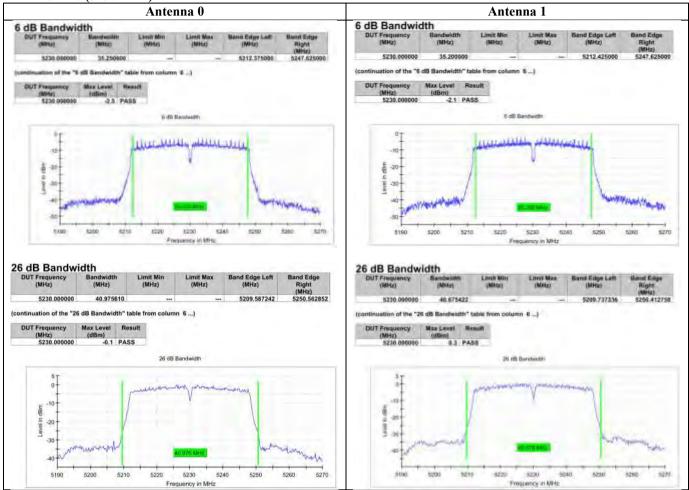
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Results of Tx Mode (802.11ac VHT40) : Pass

CH 46 (5230 MHz)



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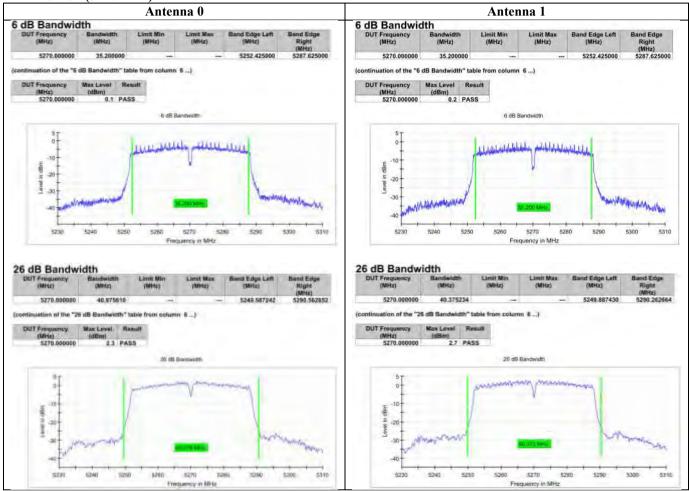
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Results of Tx Mode (802.11ac VHT40) : Pass

CH 54 (5270 MHz)



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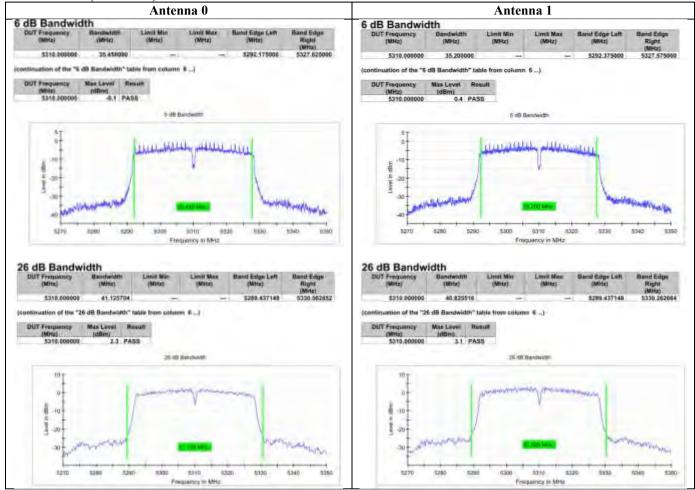
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Results of Tx Mode (802.11ac VHT40) : Pass

CH 62 (5310 MHz)



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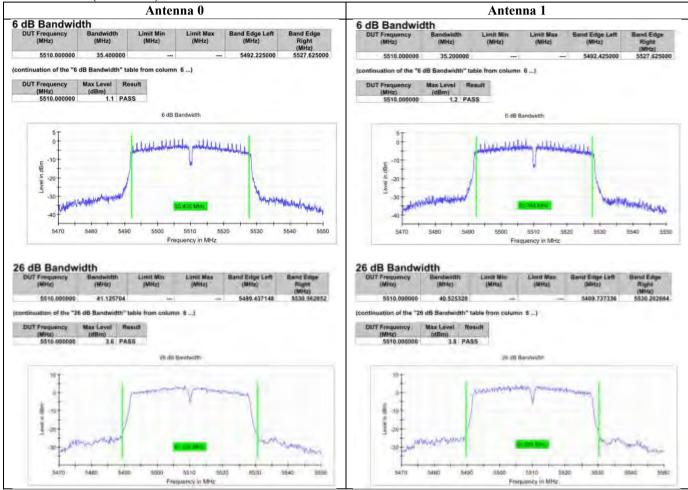
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Results of Tx Mode (802.11ac VHT40) : Pass

CH 102 (5510 MHz)



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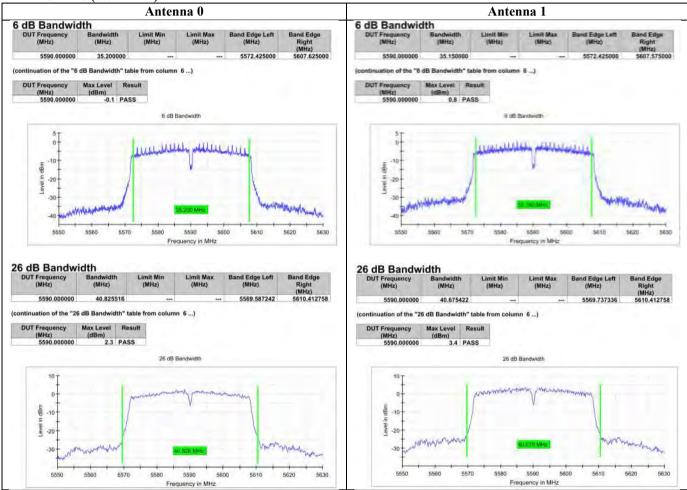


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Results of Tx Mode (802.11ac VHT40) : Pass

CH 118 (5590 MHz)



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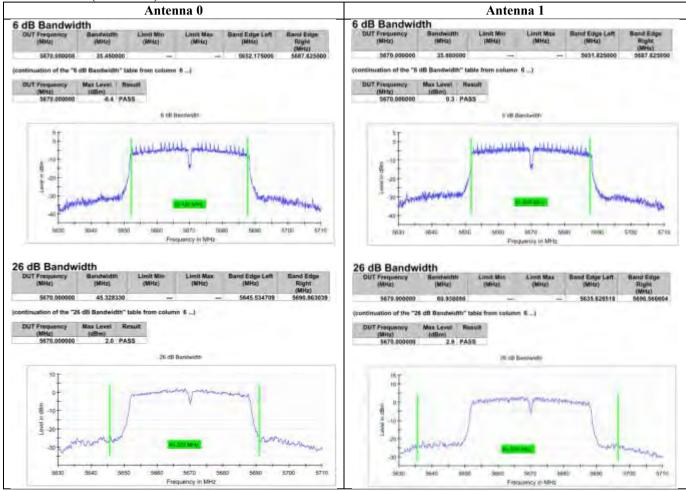
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Results of Tx Mode (802.11ac VHT40) : Pass

CH 134 (5670 MHz)



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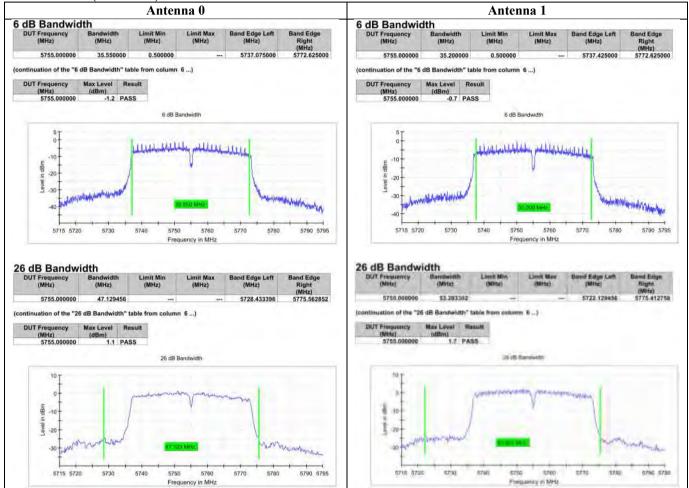
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Results of Tx Mode (802.11ac VHT40) : Pass

CH 151 (5755 MHz)



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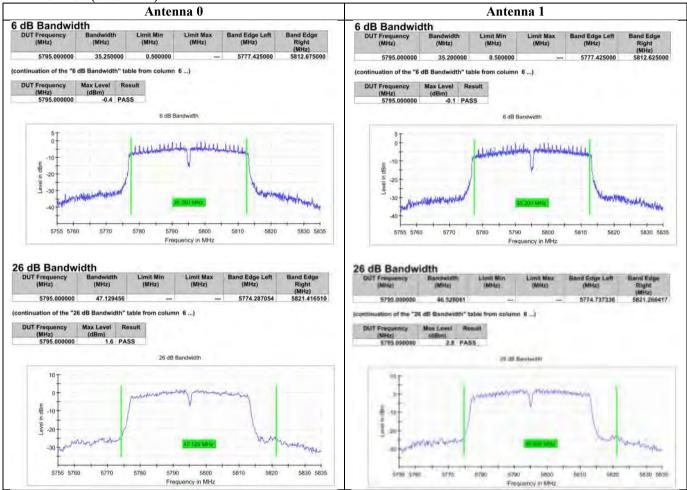
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Results of Tx Mode (802.11ac VHT40) : Pass

CH 159 (5795 MHz)



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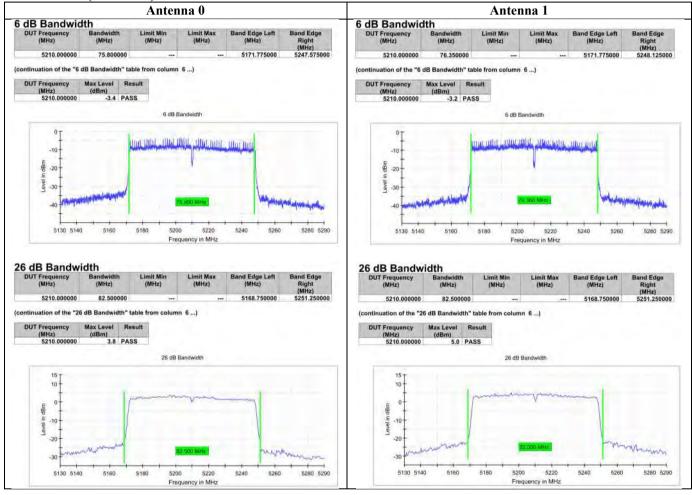
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Results of Tx Mode (802.11ac VHT80) : Pass

CH 42 (5210 MHz)



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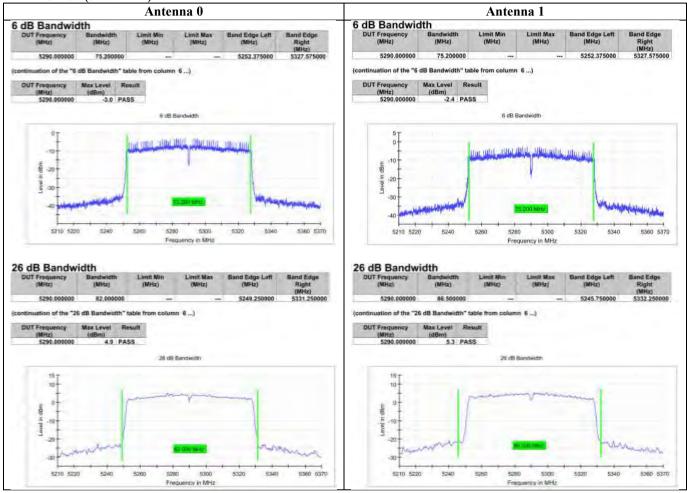


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Results of Tx Mode (802.11ac VHT80) : Pass

CH 58 (5290 MHz)



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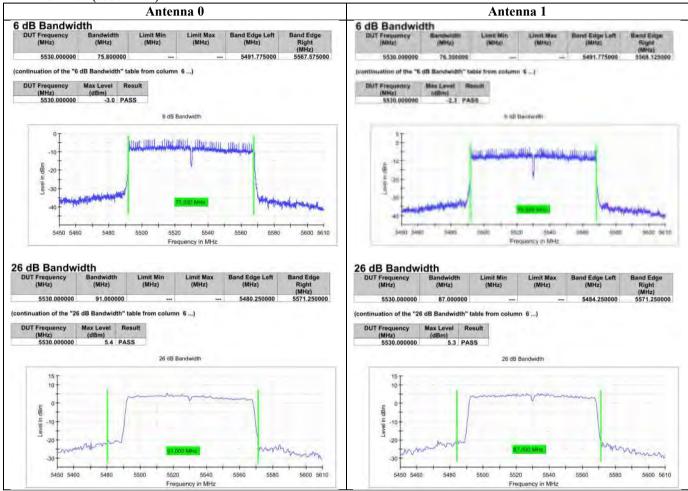


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Results of Tx Mode (802.11ac VHT80) : Pass

CH 106 (5530 MHz)



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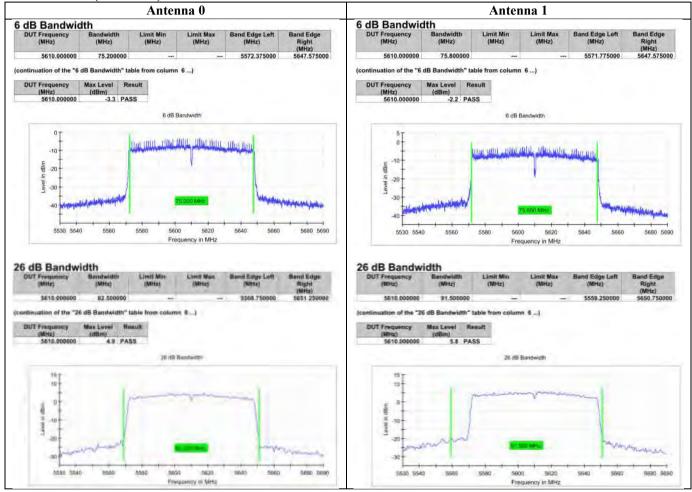
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Results of Tx Mode (802.11ac VHT80) : Pass

CH 122 (5610 MHz)



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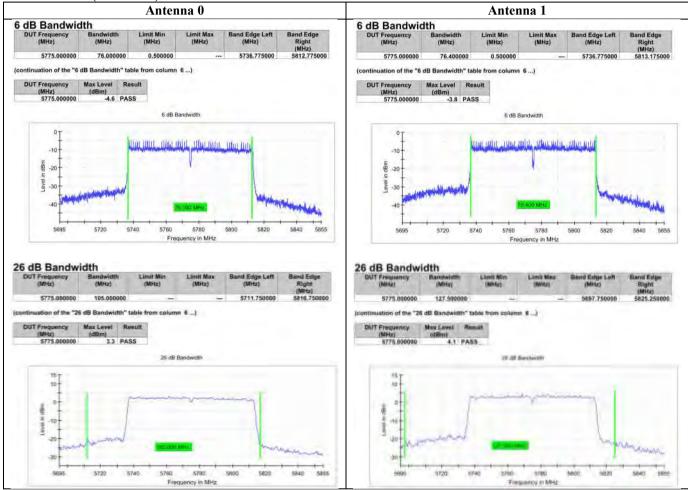
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Results of Tx Mode (802.11ac VHT80) : Pass

CH 155 (5775 MHz)



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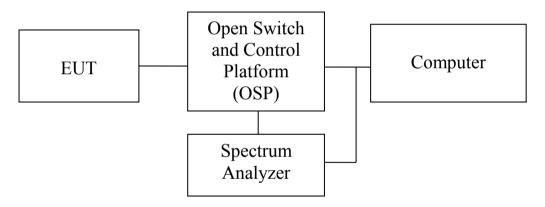
3.1.5 99% Bandwidth Measurement

Test Requirement:	N/A
Test Method:	ANSI C63.10:2013
Test Date:	2021-04-28 to 2021-04-30
Mode of Operation:	Tx mode (802.11 a/n/ac)

Test Method:

The bandwidth is measured at an amplitude level reduced from the reference level by a specified ratio. The reference level is the level of the highest amplitude signal observed from the transmitter at the fundamental frequency. Once the reference level is established, the equipment is conditioned with typical modulating signal to produce the worst-case (i.e. the widest) bandwidth.

Test Setup:



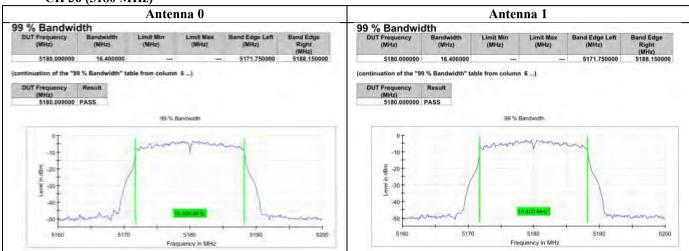


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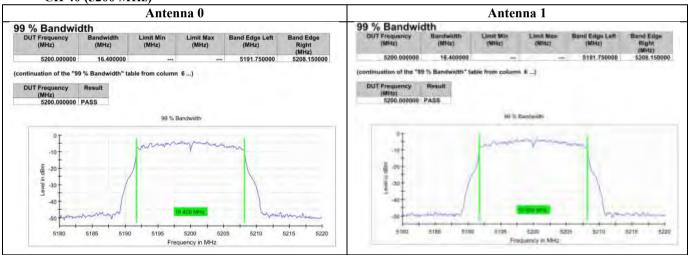
Date : 2021-06-08 No. : HM20020027

99% Bandwidth Measurement

802.11a CH 36 (5180 MHz)



802.11a CH 40 (5200 MHz)



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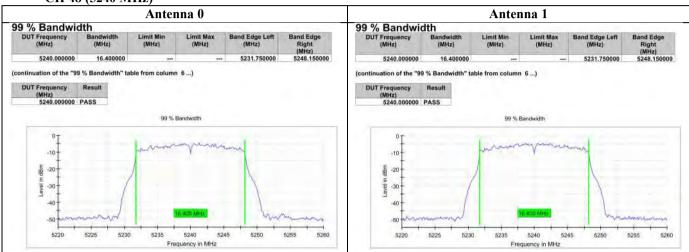


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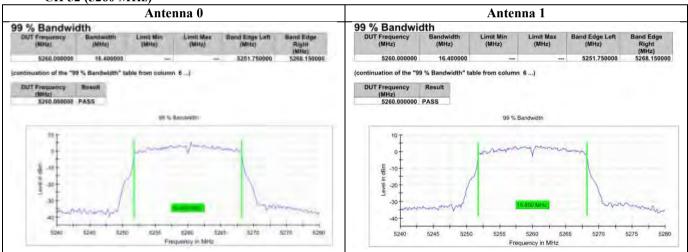
Date : 2021-06-08 No. : HM20020027

99% Bandwidth Measurement

802.11a CH 48 (5240 MHz)



802.11a CH 52 (5260 MHz)



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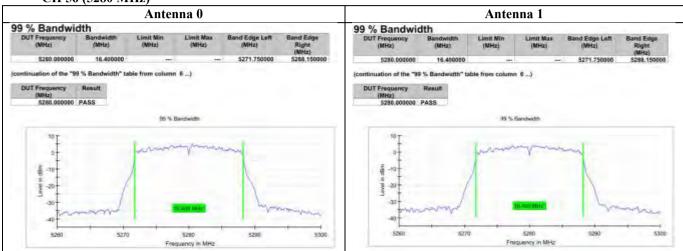


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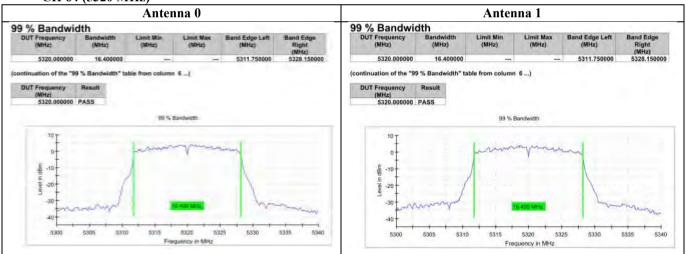
Date : 2021-06-08 No. : HM20020027

99% Bandwidth Measurement

802.11a CH 56 (5280 MHz)



802.11a CH 64 (5320 MHz)



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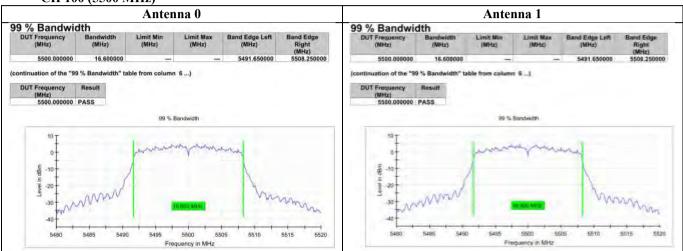
Date : 2021-06-08 : HM20020027

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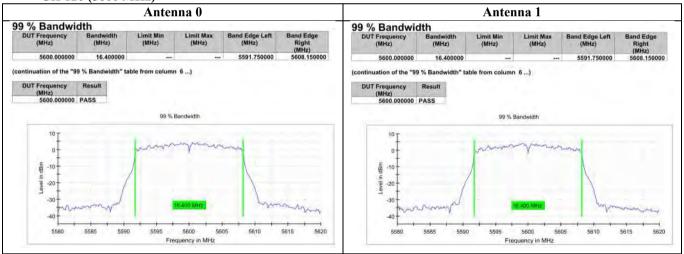
99% Bandwidth Measurement

802.11a CH 100 (5500 MHz)

No.



802.11a CH 120 (5600 MHz)



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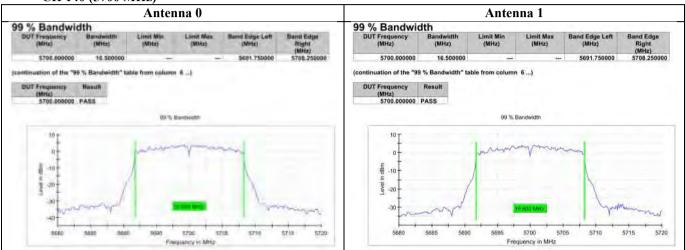


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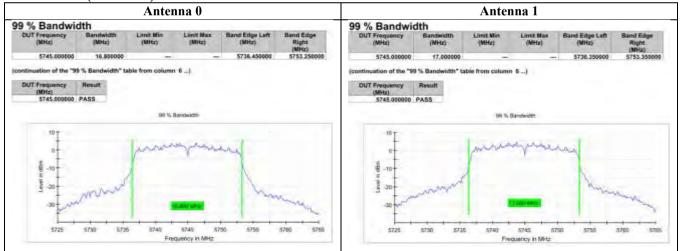
Date : 2021-06-08 No. : HM20020027

99% Bandwidth Measurement

802.11a CH 140 (5700 MHz)



802.11a CH 149 (5745 MHz)



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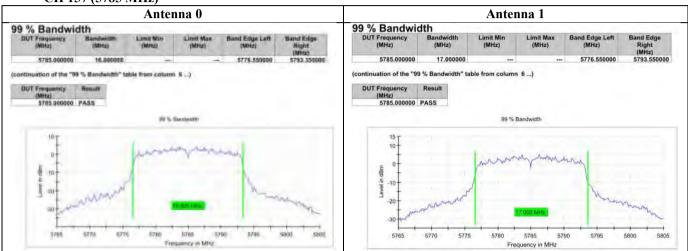


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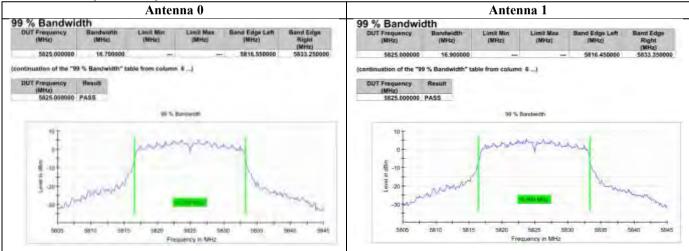
Date : 2021-06-08 No. : HM20020027

99% Bandwidth Measurement

802.11a CH 157 (5785 MHz)



802.11a CH 165 (5825 MHz)



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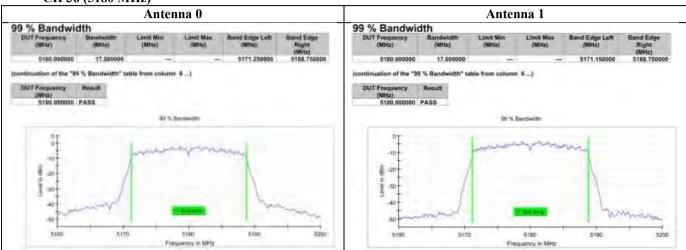
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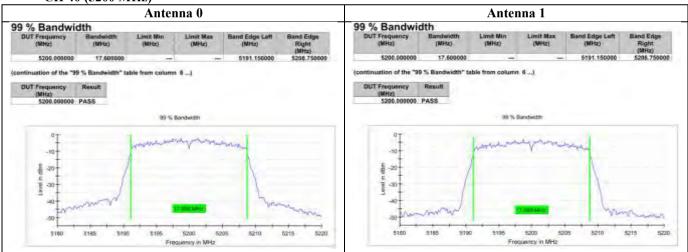
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99% Bandwidth Measurement

802.11n HT20 CH 36 (5180 MHz)



802.11n HT20 CH 40 (5200 MHz)



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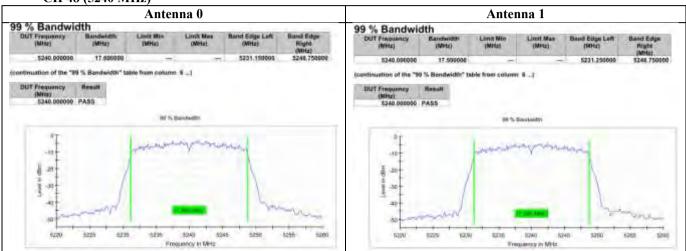


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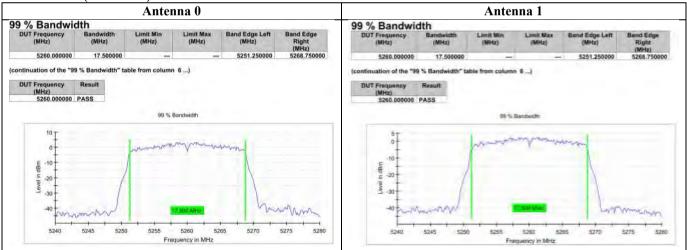
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99% Bandwidth Measurement

802.11n HT20 CH 48 (5240 MHz)



802.11n HT20 CH 52 (5260 MHz)



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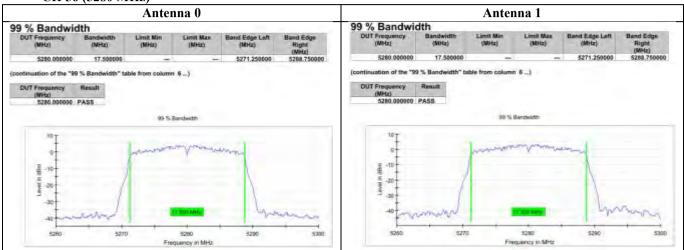


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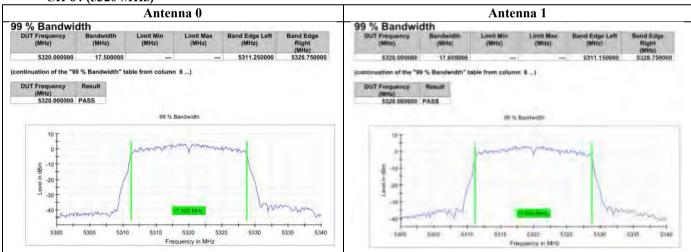
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99% Bandwidth Measurement

802.11n HT20 CH 56 (5280 MHz)



802.11n HT20 CH 64 (5320 MHz)



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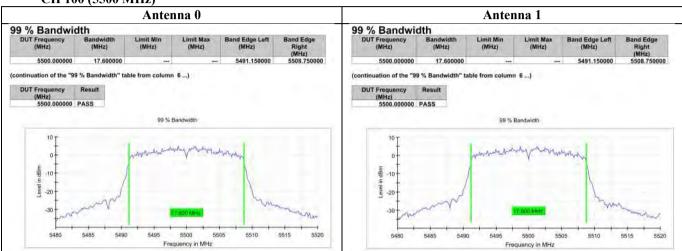


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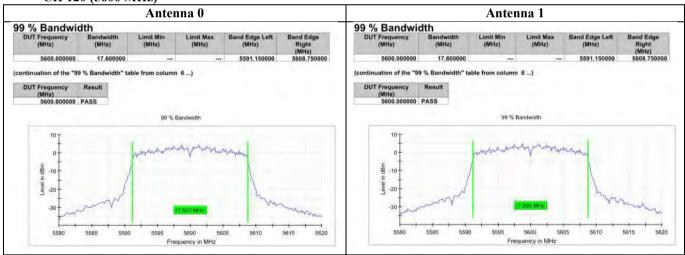
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99% Bandwidth Measurement

802.11n HT20 CH 100 (5500 MHz)



802.11n HT20 CH 120 (5600 MHz)



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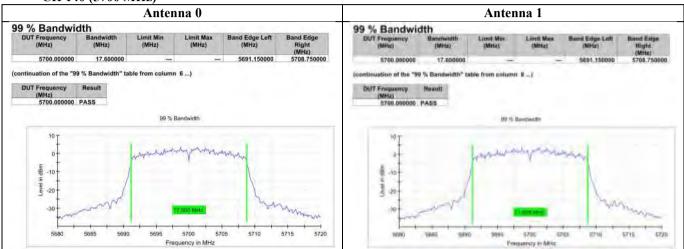


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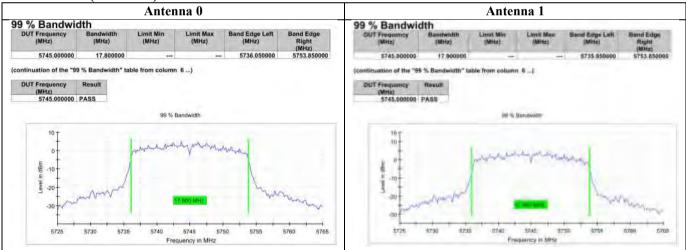
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99% Bandwidth Measurement

802.11n HT20 CH 140 (5700 MHz)



802.11n HT20 CH 149 (5745 MHz)



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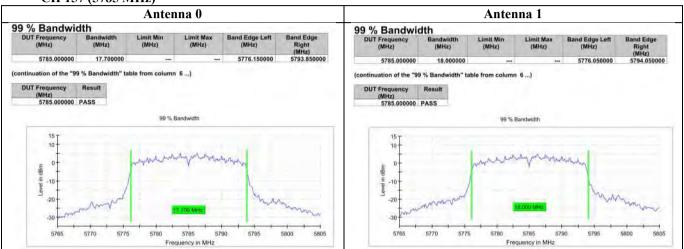
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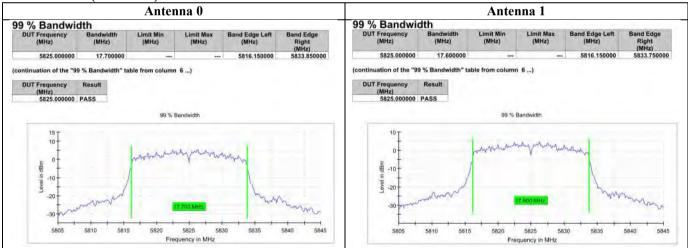
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99% Bandwidth Measurement

802.11n HT20 CH 157 (5785 MHz)



802.11n HT20 CH 165 (5825 MHz)



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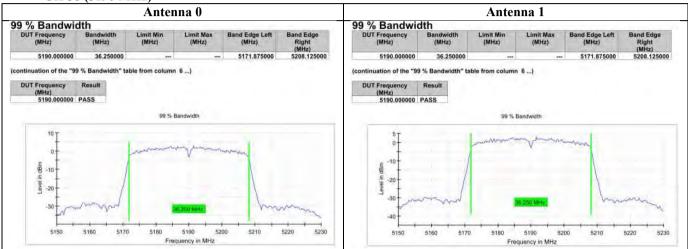


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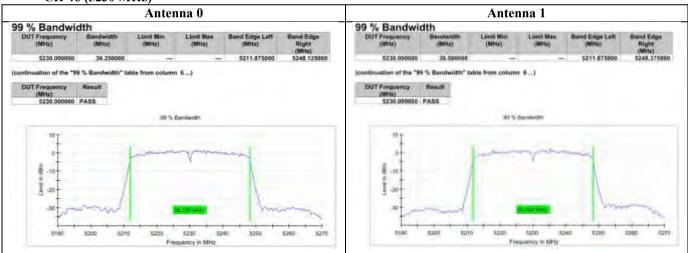
Date : 2021-06-08 No. : HM20020027

99% Bandwidth Measurement

802.11n HT40 CH 38 (5190 MHz)



802.11n HT40 CH 46 (5230 MHz)



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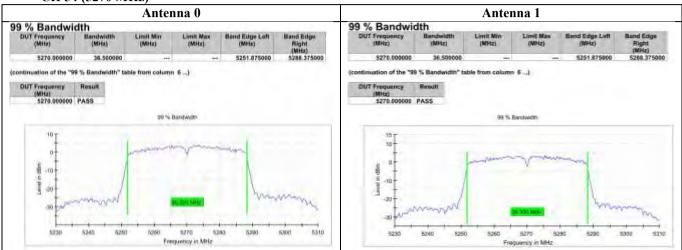


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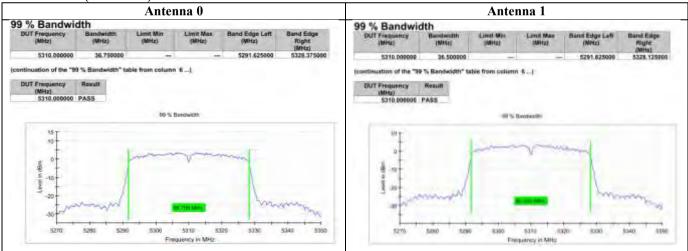
Date : 2021-06-08 No. : HM20020027

99% Bandwidth Measurement

802.11n HT40 CH 54 (5270 MHz)



802.11n HT40 CH 62 (5310 MHz)



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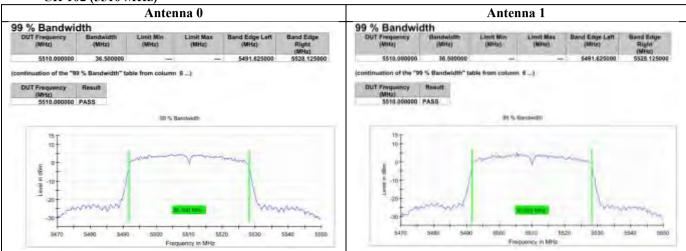


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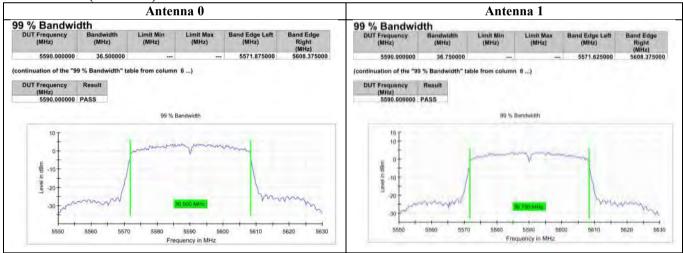
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99% Bandwidth Measurement

802.11n HT40 CH 102 (5510 MHz)



802.11n HT40 CH 118 (5590 MHz)



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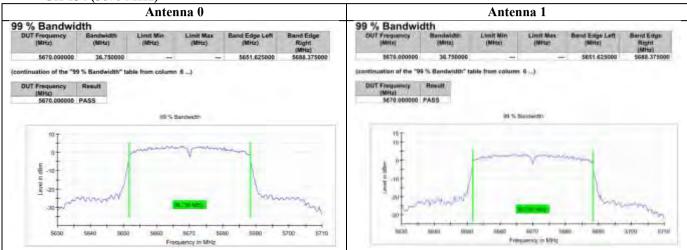
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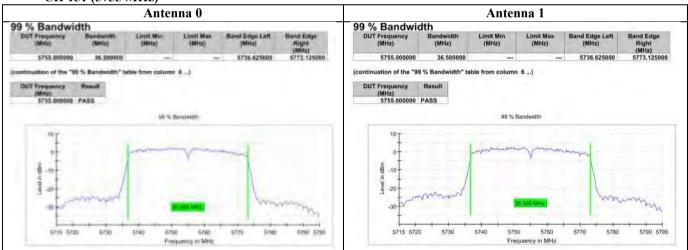
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99% Bandwidth Measurement

802.11n HT40 CH 134 (5670 MHz)



802.11n HT40 CH 151 (5755 MHz)



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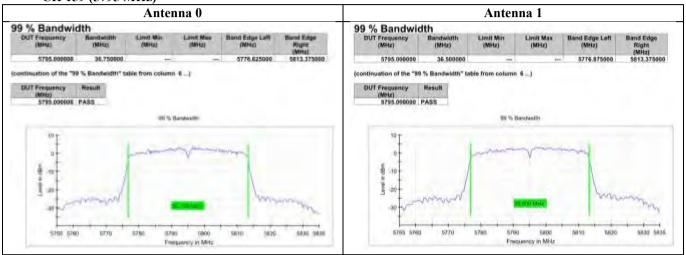


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99% Bandwidth Measurement

802.11n HT40 CH 159 (5795 MHz)



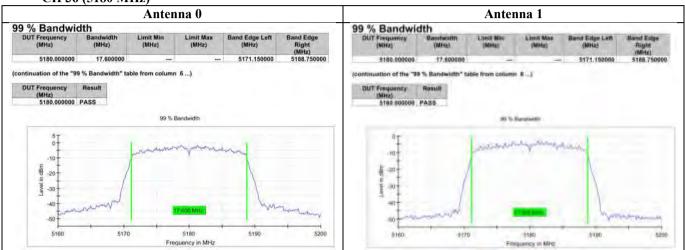


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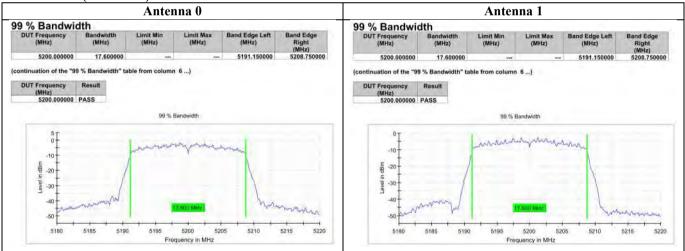
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99% Bandwidth Measurement

802.11ac VHT20 CH 36 (5180 MHz)



802.11ac VHT20 CH 40 (5200 MHz)



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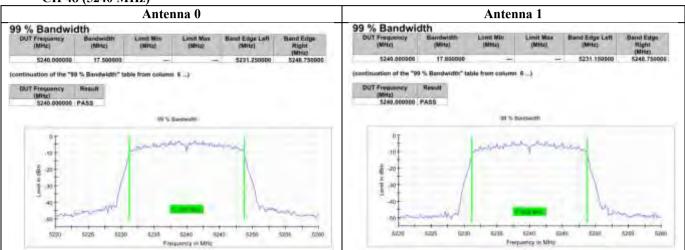


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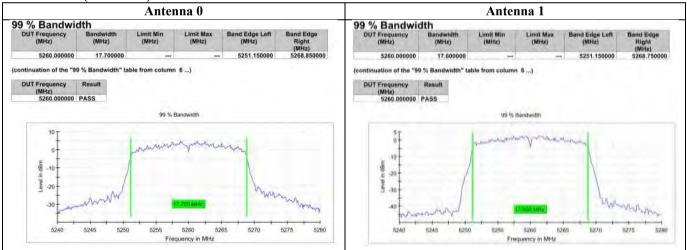
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99% Bandwidth Measurement

802.11ac VHT20 CH 48 (5240 MHz)



802.11ac VHT20 CH 52 (5260 MHz)



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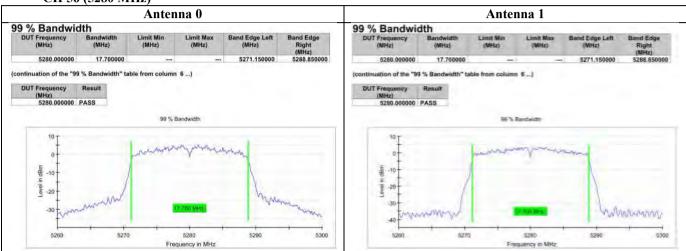


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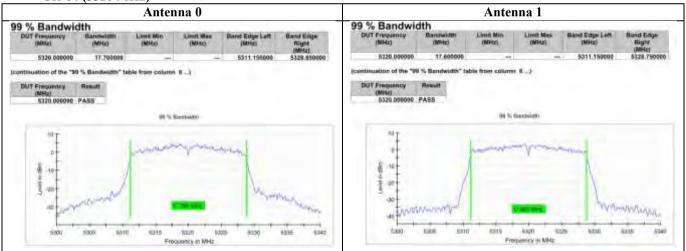
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99% Bandwidth Measurement

802.11ac VHT20 CH 56 (5280 MHz)



802.11ac VHT20 CH 64 (5320 MHz)



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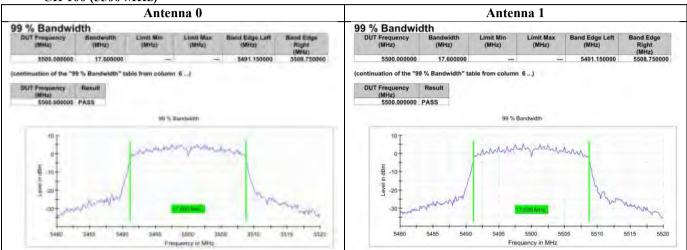


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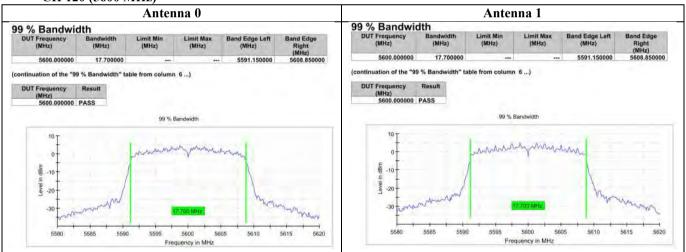
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99% Bandwidth Measurement

802.11ac VHT20 CH 100 (5500 MHz)



802.11ac VHT20 CH 120 (5600 MHz)



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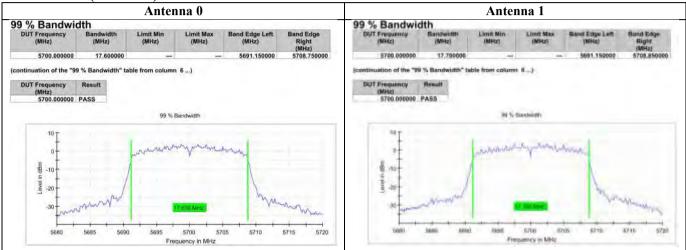


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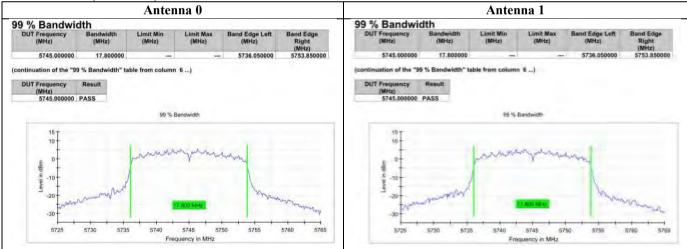
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99% Bandwidth Measurement

802.11ac VHT20 CH 140 (5700 MHz)



802.11ac VHT20 CH 149 (5745 MHz)



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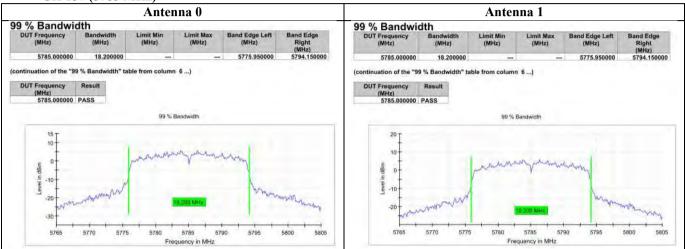


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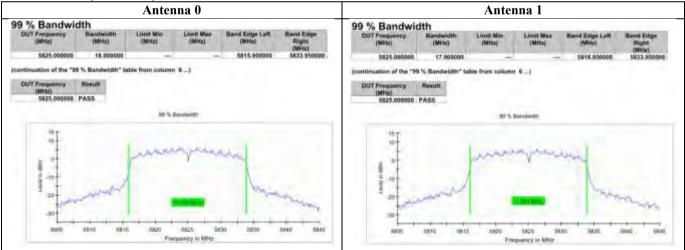
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99% Bandwidth Measurement

802.11ac VHT20 CH 157 (5785 MHz)



802.11ac VHT20 CH 165 (5825 MHz)



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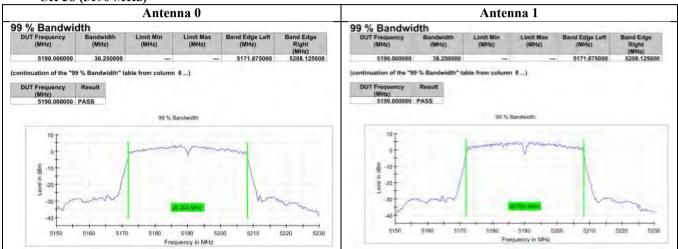


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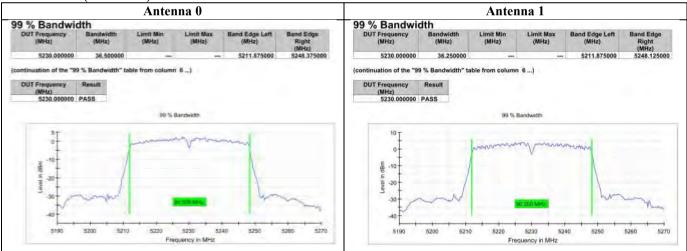
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99% Bandwidth Measurement

802.11ac VHT40 CH 38 (5190 MHz)



802.11ac VHT40 CH 46 (5230 MHz)



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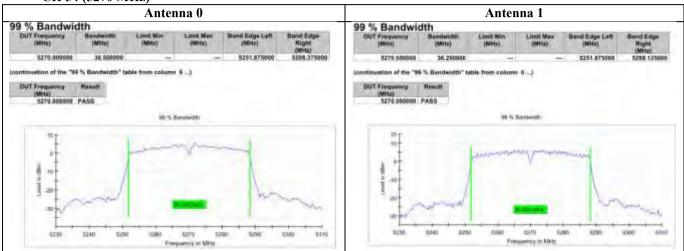


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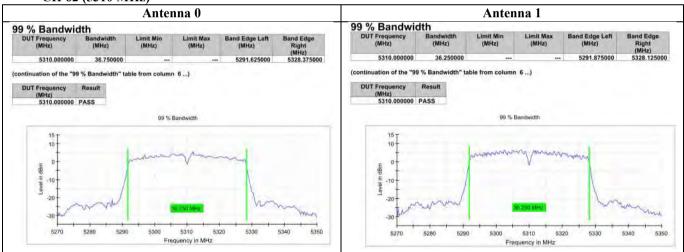
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99% Bandwidth Measurement

802.11ac VHT40 CH 54 (5270 MHz)



802.11ac VHT40 CH 62 (5310 MHz)



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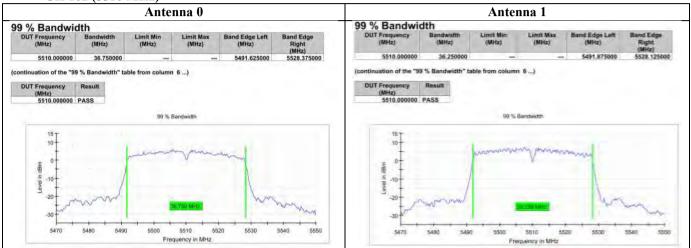


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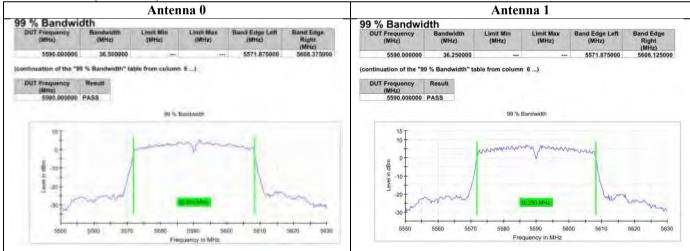
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99% Bandwidth Measurement

802.11ac VHT40 CH 102 (5510 MHz)



802.11ac VHT40 CH 118 (5590 MHz)



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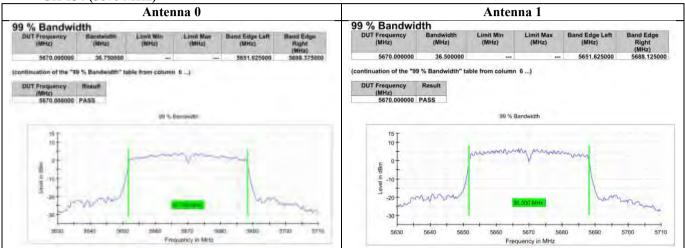


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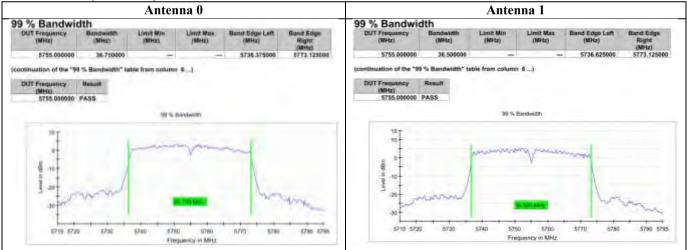
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99% Bandwidth Measurement

802.11ac VHT40 CH 134 (5670 MHz)



802.11ac VHT40 CH 151 (5755 MHz)



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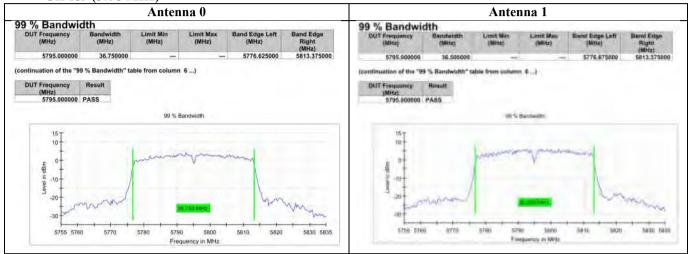


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Date : 2021-06-08 No. : HM20020027

99% Bandwidth Measurement

802.11ac VHT40 CH 159 (5795 MHz)



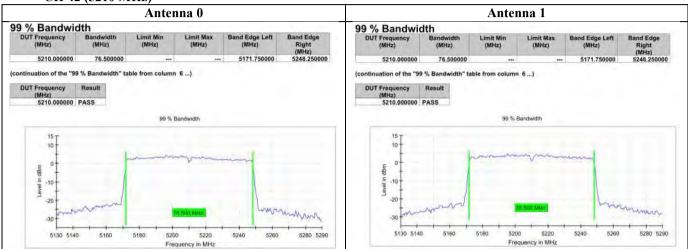


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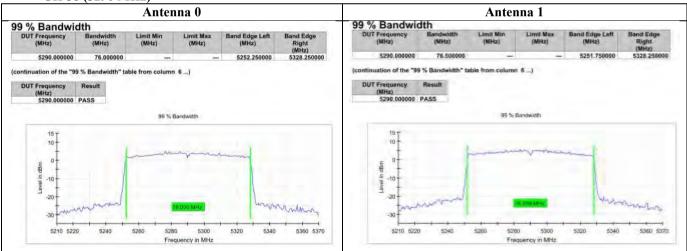
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99% Bandwidth Measurement

802.11ac VHT80 CH 42 (5210 MHz)



802.11ac VHT80 CH 58 (5290 MHz)



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