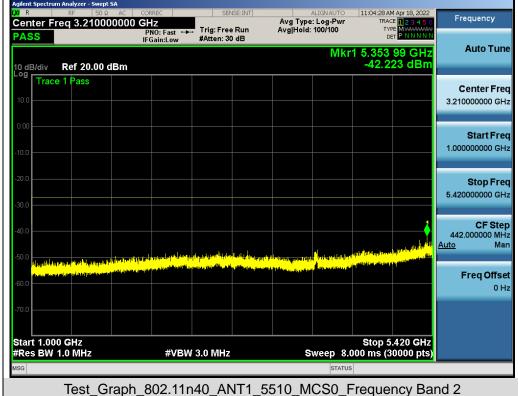
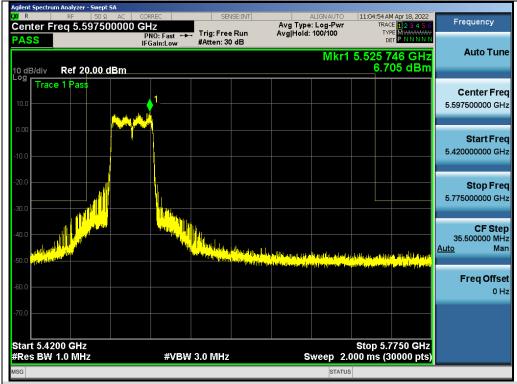


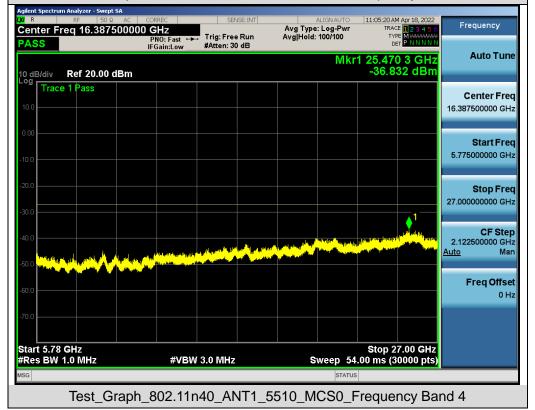
Test_Graph_802.11n40_ANT1_5510_MCS0_Frequency Band 1



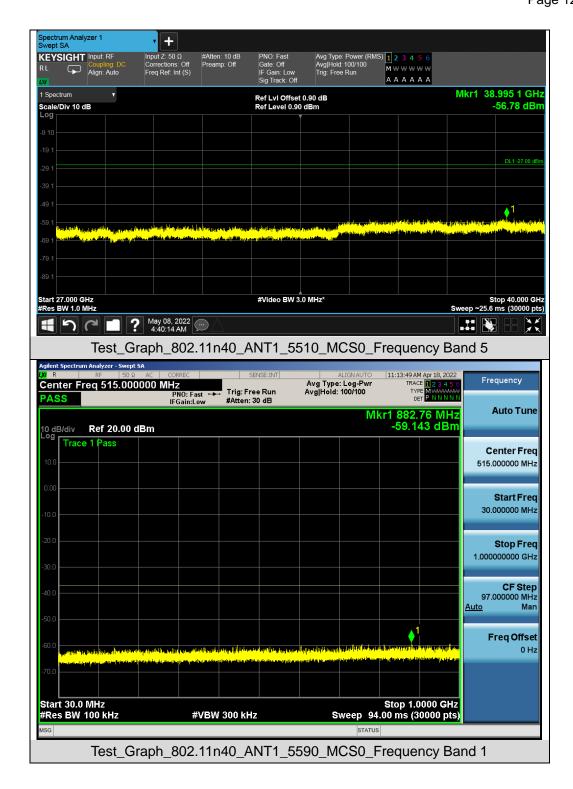




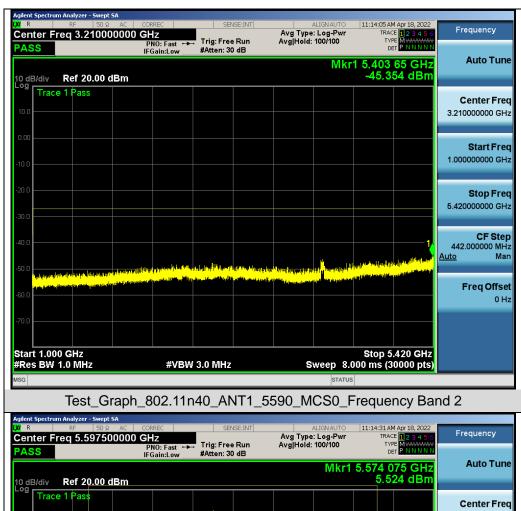
Test_Graph_802.11n40_ANT1_5510_MCS0_Frequency Band 3

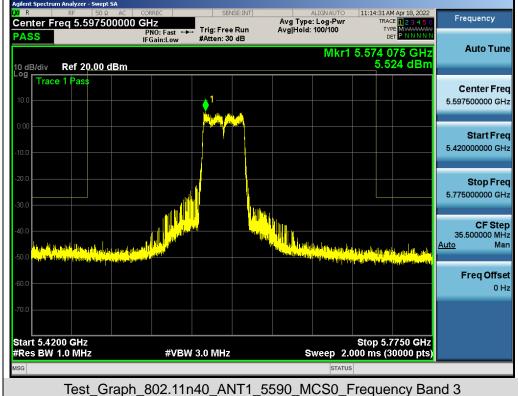




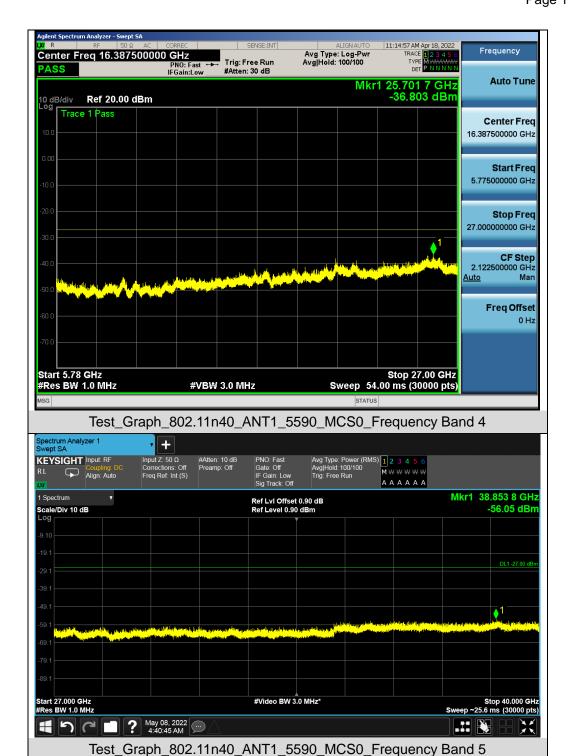










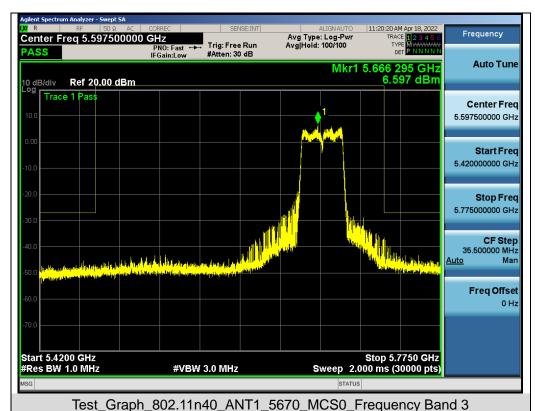






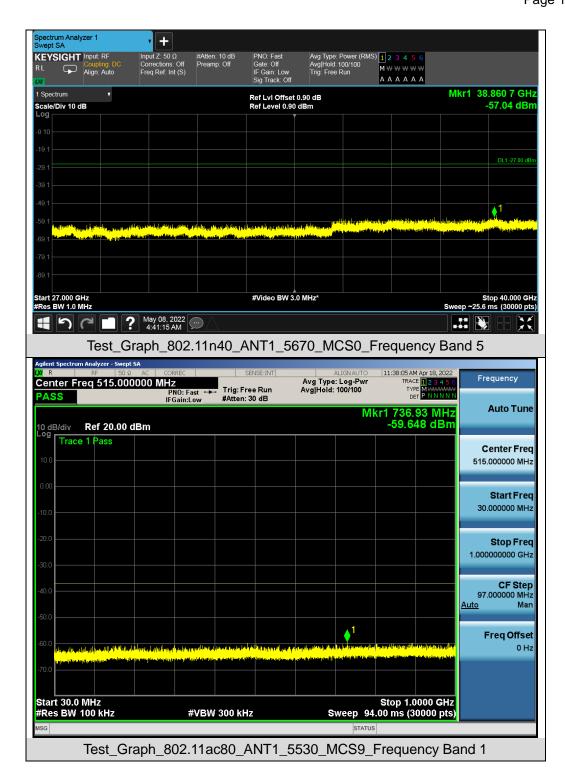






11:20:46 AM Apr 18, 2022 Frequency Center Freq 16.387500000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast →→ IFGain:Low PASS **Auto Tune** Mkr1 25.333 1 GHz -37.062 dBm 10 dB/div Ref 20.00 dBm Trace 1 Center Frea 16.387500000 GHz Start Freq 5 775000000 GHz Stop Frea 27.000000000 GHz 2.122500000 GHz Man Auto Freq Offset Start 5.78 GHz #Res BW 1.0 MHz Stop 27.00 GHz Sweep 54.00 ms (30000 pts) #VBW 3.0 MHz Test_Graph_802.11n40_ANT1_5670_MCS0_Frequency Band 4





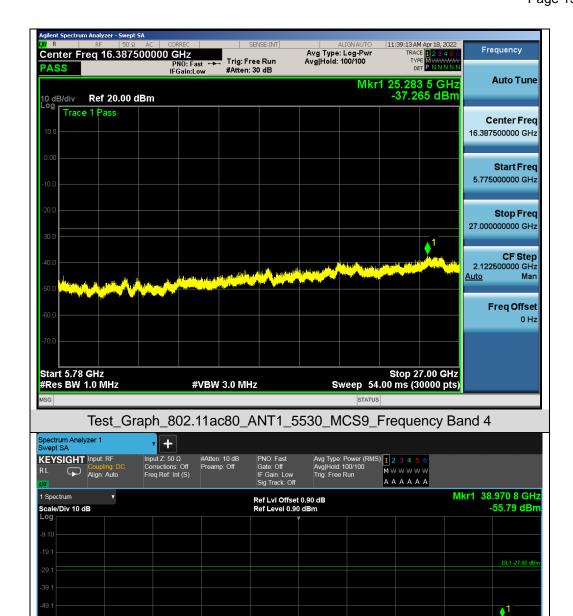




11:38:47 AM Apr 18, 2022 Avg Type: Log-Pwr Avg|Hold: 100/100 Frequency Center Freq 5.597500000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast →→ IFGain:Low PASS **Auto Tune** Mkr1 5.542 905 GHz 0.869 dBm I0 dB/div Ref 20.00 dBm Trace 1 Center Frea 5.597500000 GHz Start Freq 5 420000000 GHz Stop Frea 5.775000000 GHz 35.500000 MHz Man Freq Offset Start 5.4200 GHz #Res BW 1.0 MHz Stop 5.7750 GHz Sweep 2.000 ms (30000 pts) #VBW 3.0 MHz Test_Graph_802.11ac80_ANT1_5530_MCS9_Frequency Band 3

Stop 40.000 GHz Sweep ~25.6 ms (30000 pts)





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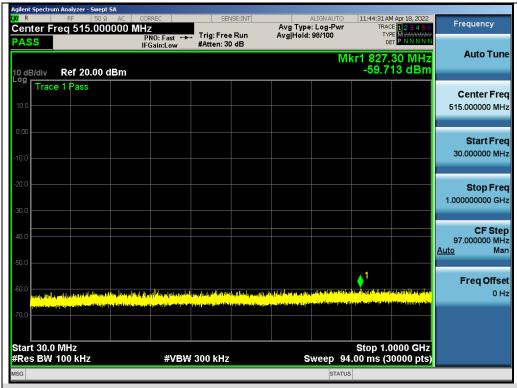
#Video BW 3.0 MHz*

Test_Graph_802.11ac80_ANT1_5530_MCS9_Frequency Band 5

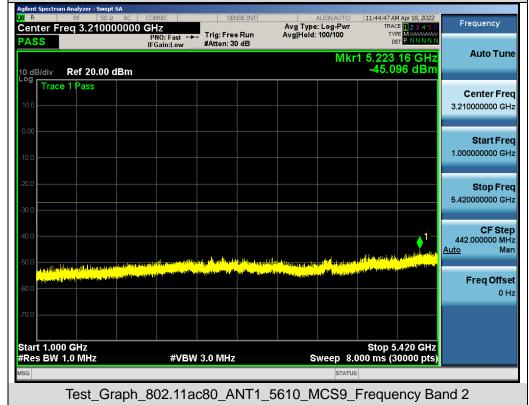
start 27.000 GHz Res BW 1.0 MHz

May 08, 2022 4:41:44 AM

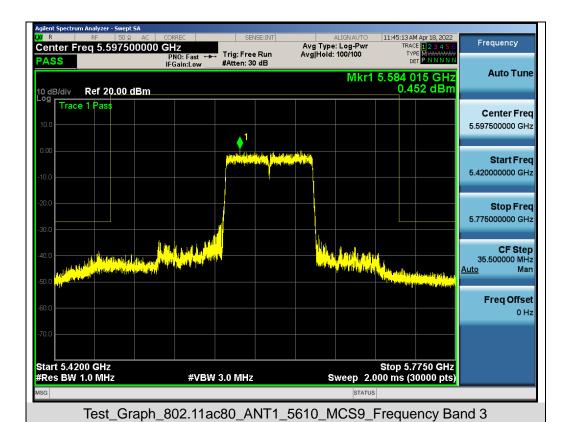




Test_Graph_802.11ac80_ANT1_5610_MCS9_Frequency Band 1





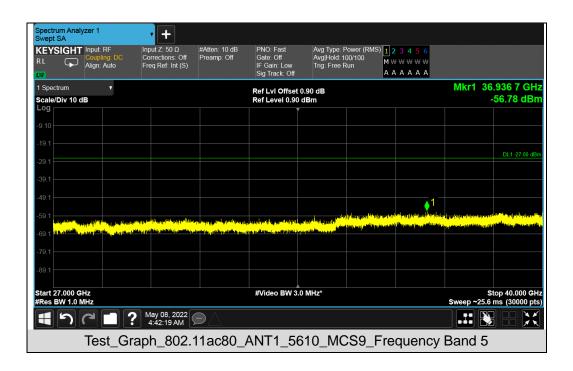


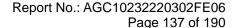
11:45:39 AM Apr 18, 2022 Avg Type: Log-Pw Avg|Hold: 100/100 Frequency Center Freq 16.387500000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast →→ IFGain:Low PASS **Auto Tune** Mkr1 25.347 2 GHz -35.779 dBm 10 dB/div Ref 20.00 dBm Trace 1 Center Frea 16.387500000 GHz Start Freq 5 775000000 GHz Stop Frea 27.000000000 GHz 2.122500000 GHz Man Auto Freq Offset Start 5.78 GHz #Res BW 1.0 MHz Stop 27.00 GHz Sweep 54.00 ms (30000 pts) #VBW 3.0 MHz

Test_Graph_802.11ac80_ANT1_5610_MCS9_Frequency Band 4

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

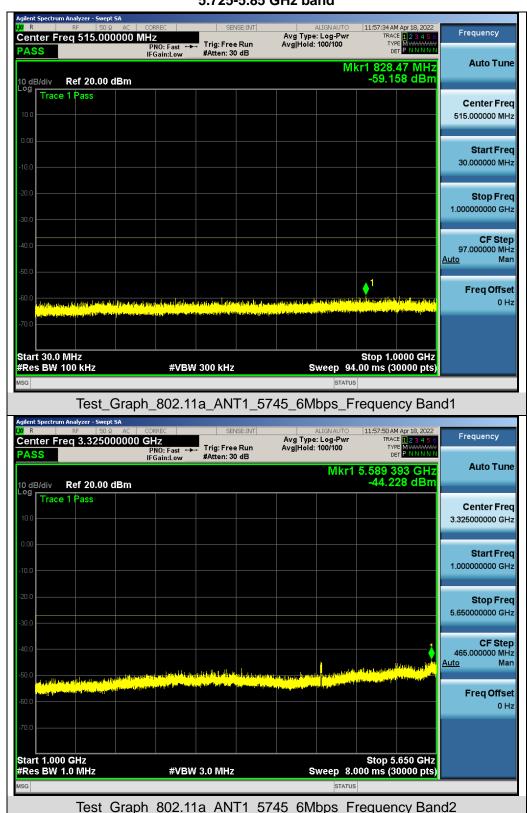






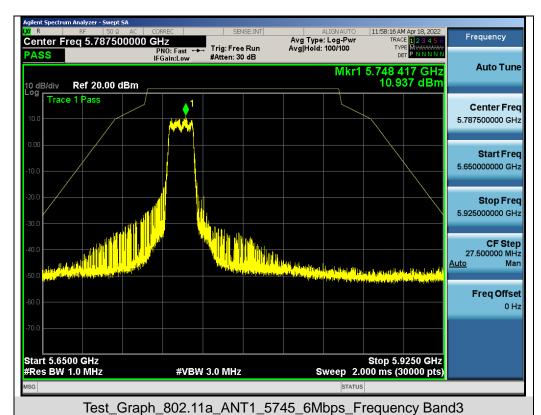


Test Graphs of Spurious Emissions outside of the 5.725-5.85 GHz band for transmitters operating in the 5.725-5.85 GHz band



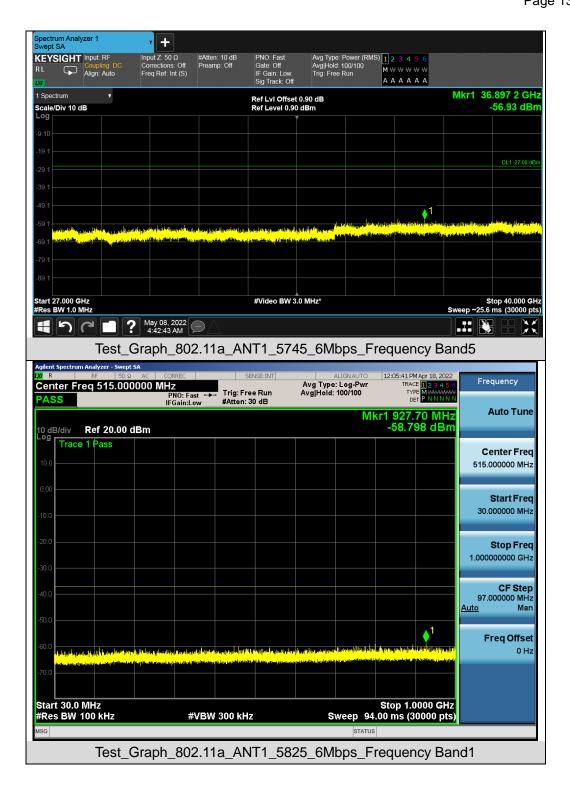
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.



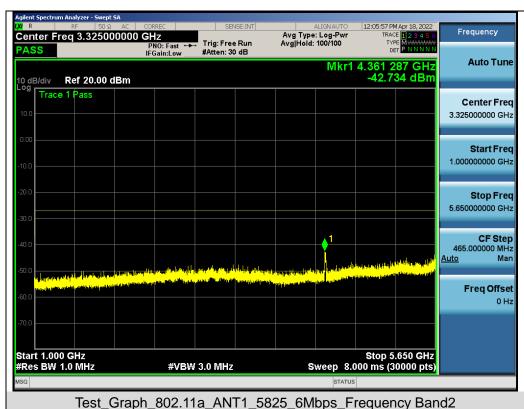


11:58:42 AM Apr 18, 2022 Frequency Center Freq 16.462500000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast →→ IFGain:Low PASS **Auto Tune** Mkr1 25.952 5 GHz -36.671 dBm 10 dB/div Ref 20.00 dBm Trace 1 Center Frea 16.462500000 GHz Start Freq 5.925000000 GHz Stop Frea 27.000000000 GHz 2.107500000 GHz Man Auto Freq Offset Start 5.93 GHz #Res BW 1.0 MHz Stop 27.00 GHz Sweep 54.00 ms (30000 pts) #VBW 3.0 MHz Test_Graph_802.11a_ANT1_5745_6Mbps_Frequency Band4



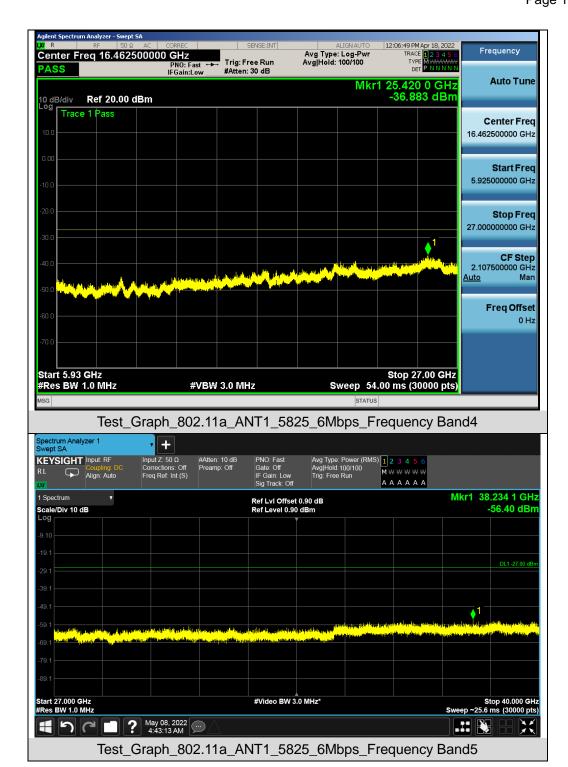






12:06:23 PM Apr 18, 2022 Frequency Center Freq 5.787500000 GHz Trig: Free Run #Atten: 30 dB PNO: Fast →→ IFGain:Low PASS **Auto Tune** Mkr1 5.828 958 GHz 10.840 dBm 10 dB/div Ref 20.00 dBm Trace 1 Center Frea 5.787500000 GHz Start Freq 5 650000000 GHz Stop Frea 5.925000000 GHz 27.500000 MHz Man Freq Offset Start 5.6500 GHz #Res BW 1.0 MHz Stop 5.9250 GHz Sweep 2.000 ms (30000 pts) #VBW 3.0 MHz Test_Graph_802.11a_ANT1_5825_6Mbps_Frequency Band3





5.650000000 GHz

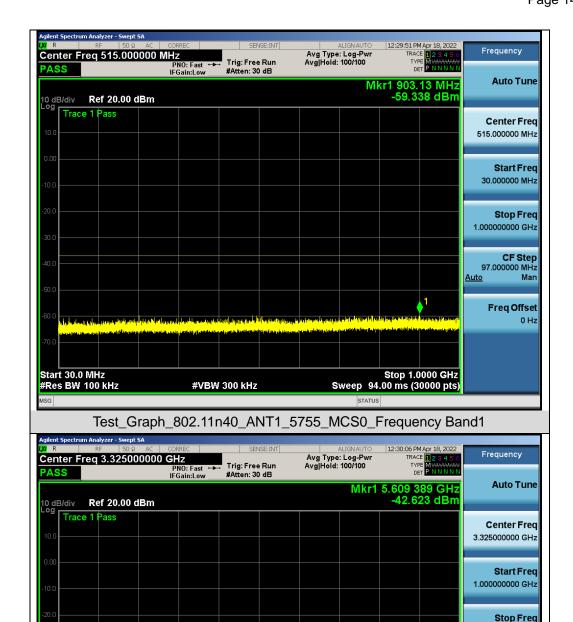
CF Step 465.000000 MHz to Man

Freq Offset

<u>Auto</u>

Stop 5.650 GHz Sweep 8.000 ms (30000 pts)





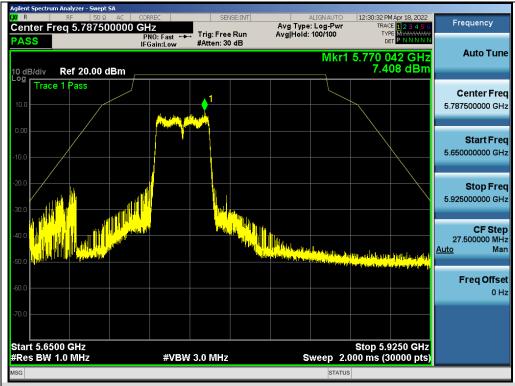
Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc01@agccert.com.

Test_Graph_802.11n40_ANT1_5755_MCS0_Frequency Band2

#VBW 3.0 MHz

Start 1.000 GHz #Res BW 1.0 MHz

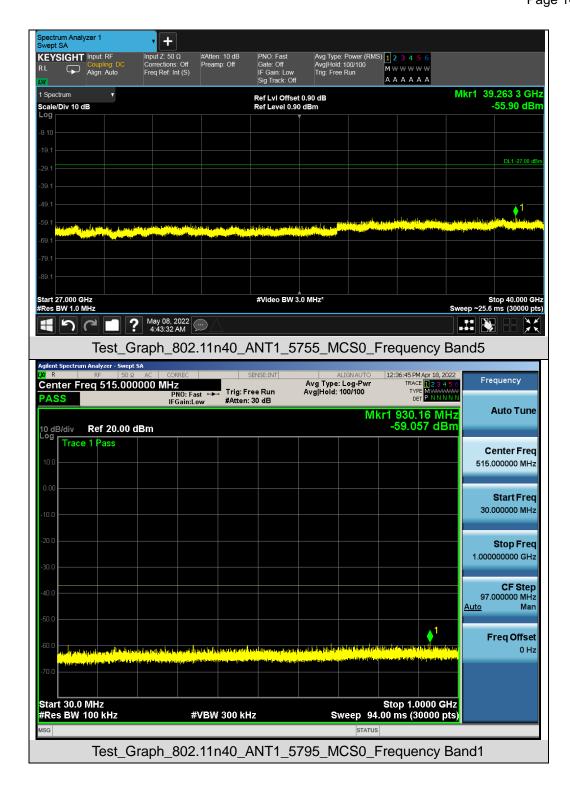




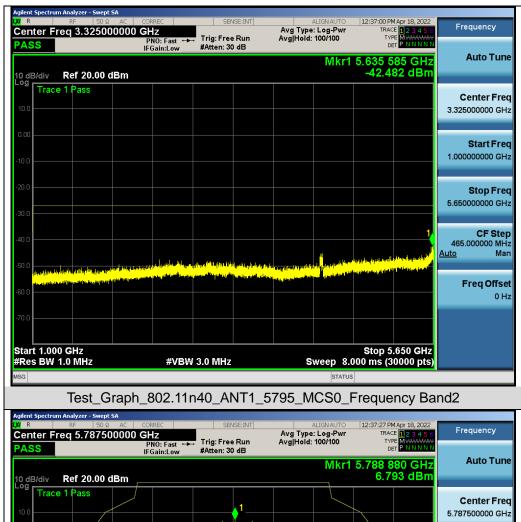
Test_Graph_802.11n40_ANT1_5755_MCS0_Frequency Band3



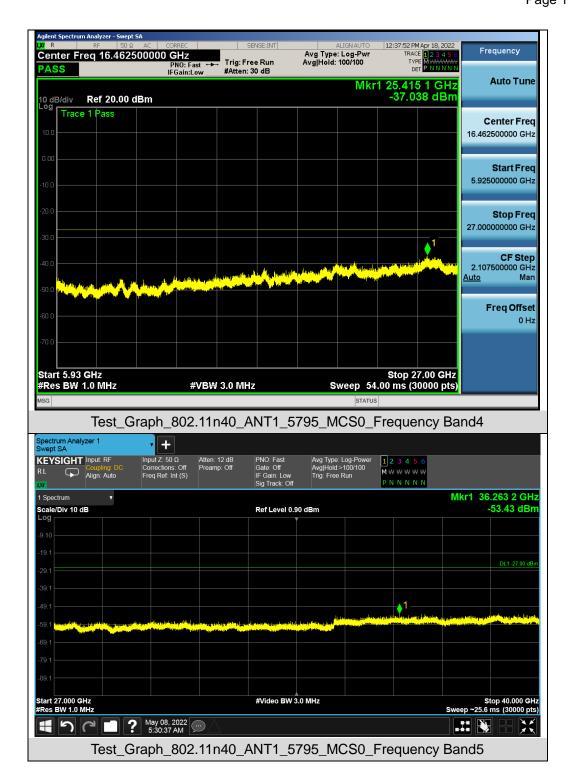




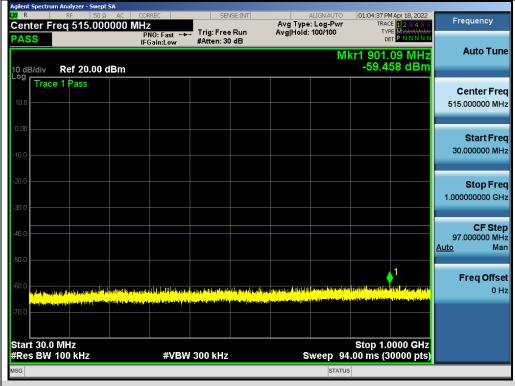








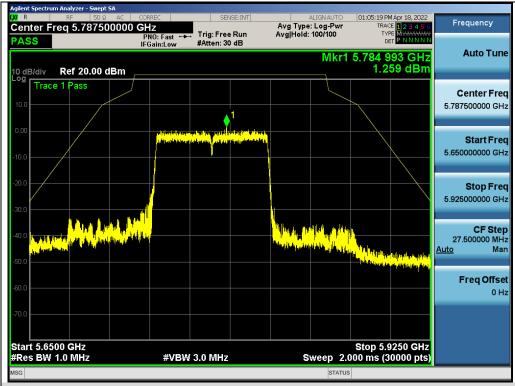




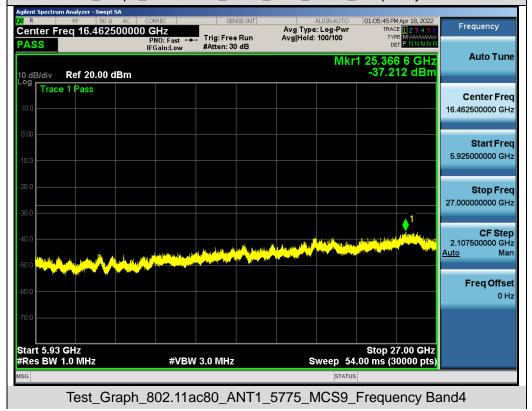
Test_Graph_802.11ac80_ANT1_5775_MCS9_Frequency Band1



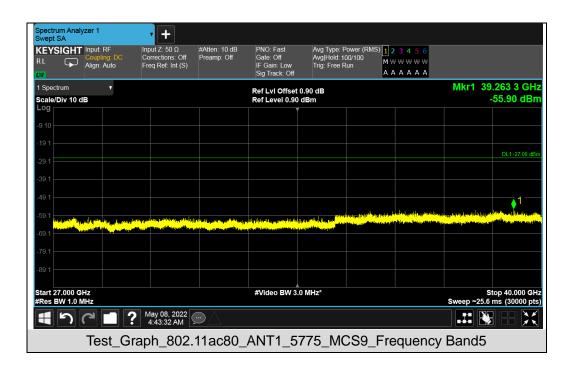




Test_Graph_802.11ac80_ANT1_5775_MCS9_Frequency Band3









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11. RADIATED EMISSION

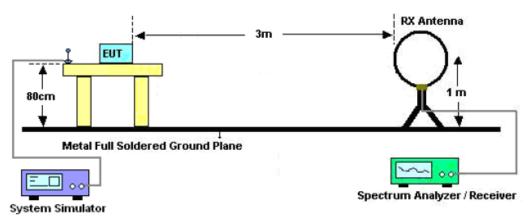
11.1. MEASUREMENT PROCEDURE

- 1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- 3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emission, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz RBW and 3M VBW for peak reading. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
- 7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
- 8.If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

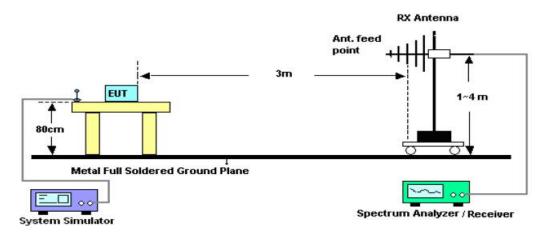


11.2. TEST SETUP

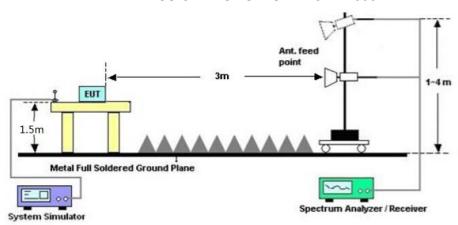
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz





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11.3. LIMITS AND MEASUREMENT RESULT

15.209(a) Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested for restricted band radiated emission,

the test records reported below are the worst result compared to other modes.

11.4. TEST RESULT

Radiated emission below 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.



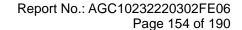
Radiated emission from 30MHz to 1000MHz

EUT	RODECASTER PRO II (Integrated Audio Production Studio)	Model Name	RODECASTER PRO II
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5300MHz	Antenna	Horizontal



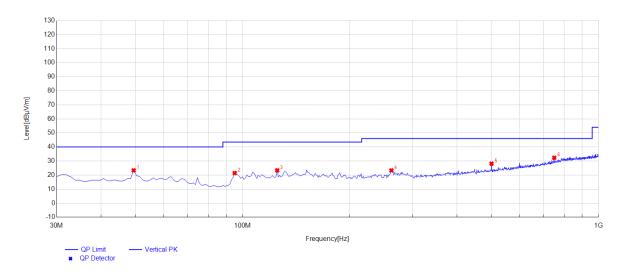
NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	49.4	24.01	11.61	40.00	15.99	100	140	Horizontal
2	94.99	20.99	9.32	43.50	22.51	100	211	Horizontal
3	201.69	25.78	12.00	43.50	17.72	100	241	Horizontal
4	261.83	24.42	14.71	46.00	21.58	100	28	Horizontal
5	651.77	27.81	21.47	46.00	18.19	100	313	Horizontal
6	872.93	33.39	27.19	46.00	12.61	100	54	Horizontal

RESULT: PASS





EUT	RODECASTER PRO II (Integrated Audio Production Studio)	Model Name	RODECASTER PRO II
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5300MHz	Antenna	Vertical



NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	49.4	23.33	11.61	40.00	16.67	100	119	Vertical
2	94.99	21.44	9.32	43.50	22.06	100	207	Vertical
3	125.06	23.38	13.81	43.50	20.12	100	210	Vertical
4	261.83	23.33	14.71	46.00	22.67	100	345	Vertical
5	500.45	28.15	18.89	46.00	17.85	100	210	Vertical
6	750.71	32.37	24.80	46.00	13.63	100	21	Vertical

RESULT: PASS

Note: All test channels had been tested. The 802.11a20 at 5300MHz is the worst case and recorded in the test report.

Factor = Antenna Factor + Cable loss - Amplifier gain, Margin= Limit-Level.

The "Factor" value can be calculated automatically by software of measurement system.



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Radiated emission above 1GHz

EUT	RODECASTER PRO II (Integrated Audio Production Studio)	Model Name	RODECASTER PRO II
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5180MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10360.042	46.53	9.14	55.67	68.20	-12.53	peak
15540.063	40.15	10.22	50.37	74.00	-23.63	peak
15540.063	31.97	10.22	42.19	54.00	-11.81	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10360.042	47.52	9.14	56.66	68.20	-11.54	peak
15540.063	41.36	10.22	51.58	74.00	-22.42	peak
15540.063	30.49	10.22	40.71	54.00	-13.29	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



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EUT	RODECASTER PRO II (Integrated Audio Production Studio)	Model Name	RODECASTER PRO II
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5200MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10400.042	47.53	9.14	56.67	68.20	-11.53	peak
15600.063	42.16	10.22	52.38	74.00	-21.62	peak
15600.063	32.49	10.22	42.71	54.00	-11.29	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10400.042	46.58	9.14	55.72	68.20	-12.48	peak
15600.063	40.23	10.22	50.45	74.00	-23.55	peak
15600.063	31.57	10.22	41.79	54.00	-12.21	AVG
Remark:						
Factor = Antenna Factor + Cable Loss – Pre-amplifier.						



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EUT	RODECASTER PRO II (Integrated Audio Production Studio)	Model Name	RODECASTER PRO II
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5240MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10480.042	49.64	9.27	58.91	68.20	-9.29	peak
15720.063	42.15	10.38	52.53	74.00	-21.47	peak
15720.063	31.16	10.38	41.54	54.00	-12.46	AVG

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type		
10480.042	46.38	9.27	55.65	68.20	-12.55	peak		
15720.063	41.25	10.38	51.63	74.00	-22.37	peak		
15720.063	32.49	10.38	42.87	54.00	-11.13	AVG		
Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.								



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EUT	RODECASTER PRO II (Integrated Audio Production Studio)	Model Name	RODECASTER PRO II
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5260MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10520.044	47.56	9.29	56.85	68.20	-11.35	peak
15780.066	42.38	10.42	52.80	74.00	-21.20	peak
15780.066	31.42	10.42	41.84	54.00	-12.16	AVG
Remark:						
	na Factor + Cabl	a Loss — Pre-a	mnlifier			

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type		
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type		
10520.044	48.51	9.29	57.80	68.20	-10.40	peak		
15780.066	42.16	10.42	52.58	74.00	-21.42	peak		
15780.066 32.57 10.42 42.99 54.00 -11.01 AVG								
Remark:								
Factor = Antenna Factor + Cable Loss – Pre-amplifier.								



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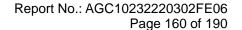
EUT	RODECASTER PRO II (Integrated Audio Production Studio)	Model Name	RODECASTER PRO II
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5300MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10600.044	47.53	9.31	56.84	74.00	-17.16	peak
10600.044	38.64	9.31	47.95	54.00	-6.05	AVG
15900.066	42.19	10.44	52.63	74.00	-21.37	peak
15900.066	31.58	10.44	42.02	54.00	-11.98	AVG
Remark:						
actor = Anten	na Factor + Cabl	e Loss – Pre-a	mplifier.			

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10600.044	49.64	9.31	58.95	74.00	-15.05	peak
10600.044	38.64	9.31	47.95	54.00	-6.05	AVG
15780.066	43.15	10.44	53.59	74.00	-20.41	peak
15780.066	32.48	10.44	42.92	54.00	-11.08	AVG
Remark:						
Factor = Anten	na Factor + Cabl	e Loss – Pre-a	mplifier.			





EUT	RODECASTER PRO II (Integrated Audio Production Studio)	Model Name	RODECASTER PRO II
Temperature	25°C	Relative Humidity	60%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	802.11a20 5320MHz	Antenna	Horizontal/Vertical

RADIATED EMISSION ABOVE 1GHZ-Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type
10640.044	46.29	9.35	55.64	74.00	-18.36	peak
10640.044	37.84	9.35	47.19	54.00	-6.81	AVG
15960.066	42.16	10.46	52.62	74.00	-21.38	peak
15960.066	31.25	10.46	41.71	54.00	-12.29	AVG
Remark:						
Factor = Anten	na Factor + Cabl	e Loss – Pre-a	mplifier.			

RADIATED EMISSION ABOVE 1GHZ-Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type	
(MHz)	(dBµV)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	value Type	
10640.044	48.42	9.35	57.77	74.00	-16.23	peak	
10640.044	39.64	9.35	48.99	54.00	-5.01	AVG	
15960.066	42.15	10.46	52.61	74.00	-21.39	peak	
15960.066	31.58	10.46	42.04	54.00	-11.96	AVG	
Remark:							
Factor = Antenna Factor + Cable Loss – Pre-amplifier.							