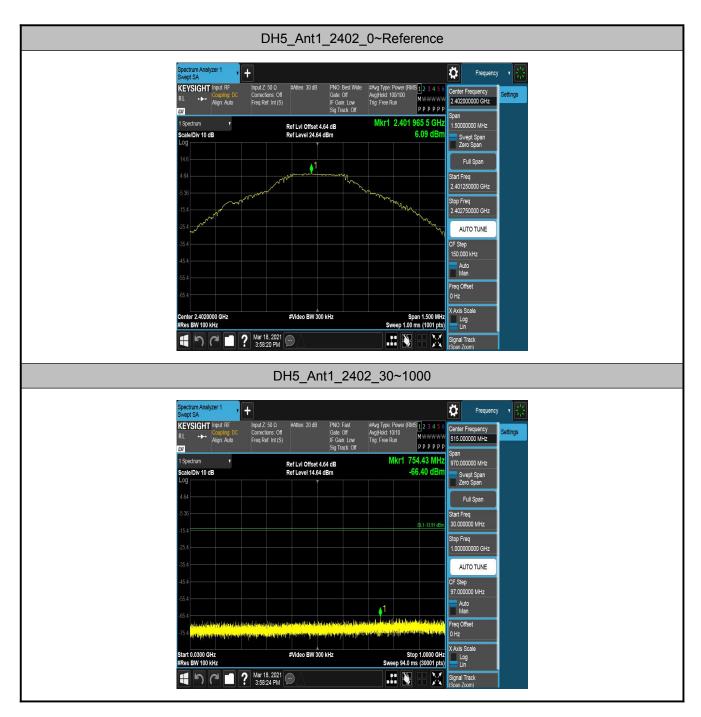


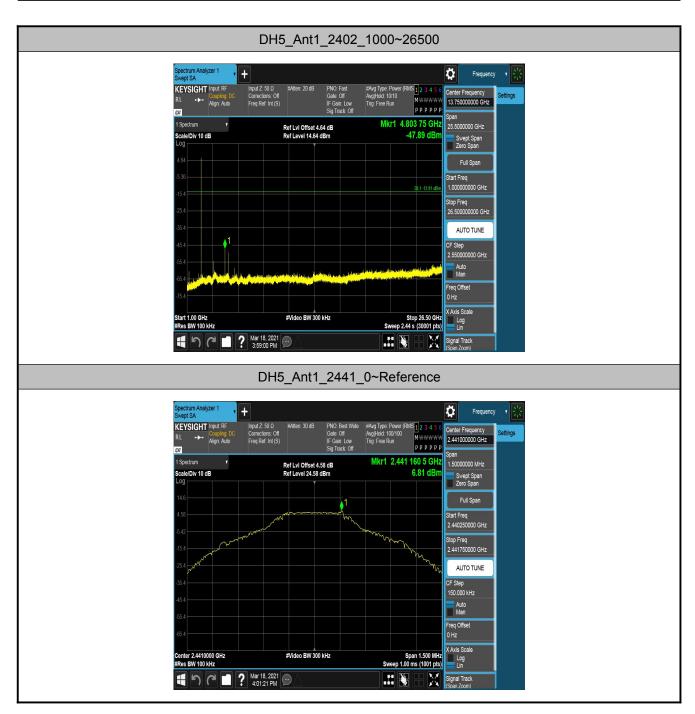
8.8.5. Test Result

To of Mode	do Antonno Chann		Freq Range	Ref Level	Result	Limit	Manalia 4			
Test Mode	Antenna	Channel	[MHz]	[dBm]	[dBm]	[dBm]	Verdict			
			Reference	6.09	6.09		PASS			
		2402	30~1000	30~1000	-66.402	<=-13.914	PASS			
			1000~26500	1000~26500	-47.89	<=-13.914	PASS			
			Reference	6.81	6.81		PASS			
DH5	Ant1	2441	30~1000	30~1000	-66.417	<=-13.191	PASS			
			1000~26500	1000~26500	-43.382	<=-13.191	PASS			
			Reference	6.74	6.74		PASS			
		2480	30~1000	30~1000	-66.654	<=-13.262	PASS			
			1000~26500	1000~26500	-46.793	<=-13.262	PASS			
			Reference	6.59	6.59		PASS			
		2402	30~1000	30~1000	-66.087	<=-13.414	PASS			
			1000~26500	1000~26500	-47.976	<=-13.414	PASS			
		1 2441	Reference	6.89	6.89		PASS			
2DH5	Ant1		30~1000	30~1000	-66.689	<=-13.108	PASS			
			1000~26500	1000~26500	-55.52	<=-13.108	PASS			
			Reference	6.84	6.84		PASS			
		2480	30~1000	30~1000	-66.381	<=-13.16	PASS			
			1000~26500	1000~26500	-50.6	<=-13.16	PASS			
						Reference	6.73	6.73		PASS
		2402	30~1000	30~1000	-66.588	<=-13.272	PASS			
			1000~26500	1000~26500	-56.77	<=-13.272	PASS			
			Reference	6.21	6.21		PASS			
3DH5	Ant1	2441	30~1000	30~1000	-66.669	<=-13.792	PASS			
			1000~26500	1000~26500	-49.745	<=-13.792	PASS			
		2480	Reference	6.82	6.82		PASS			
			30~1000	30~1000	-65.864	<=-13.184	PASS			
			1000~26500	1000~26500	-55.197	<=-13.184	PASS			

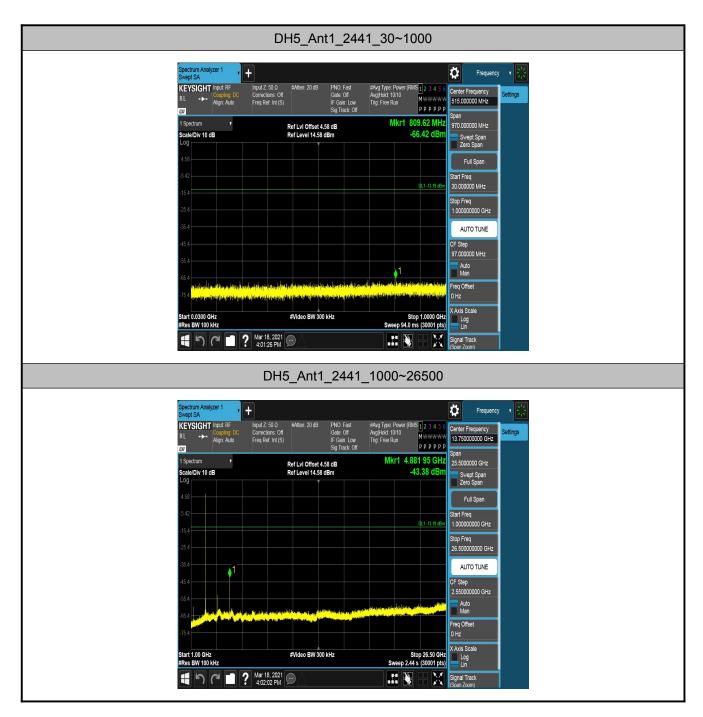




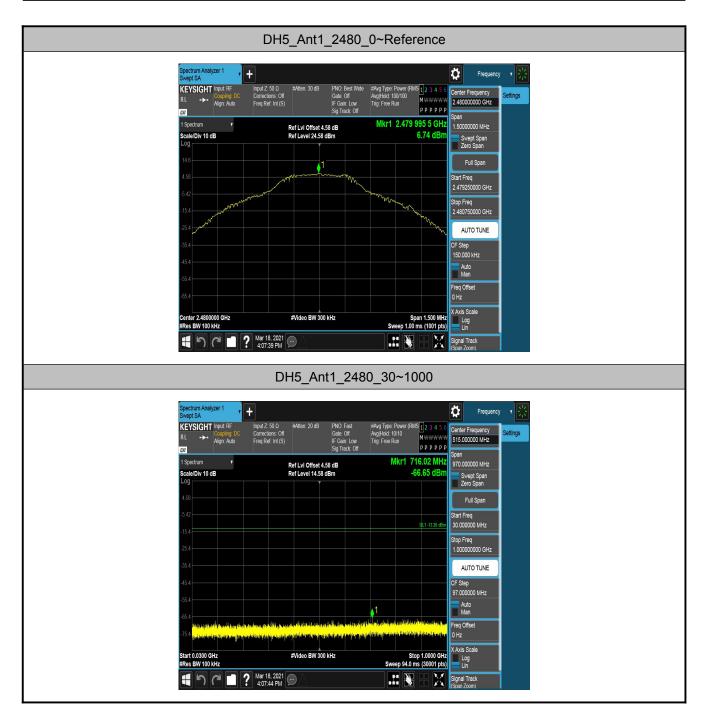




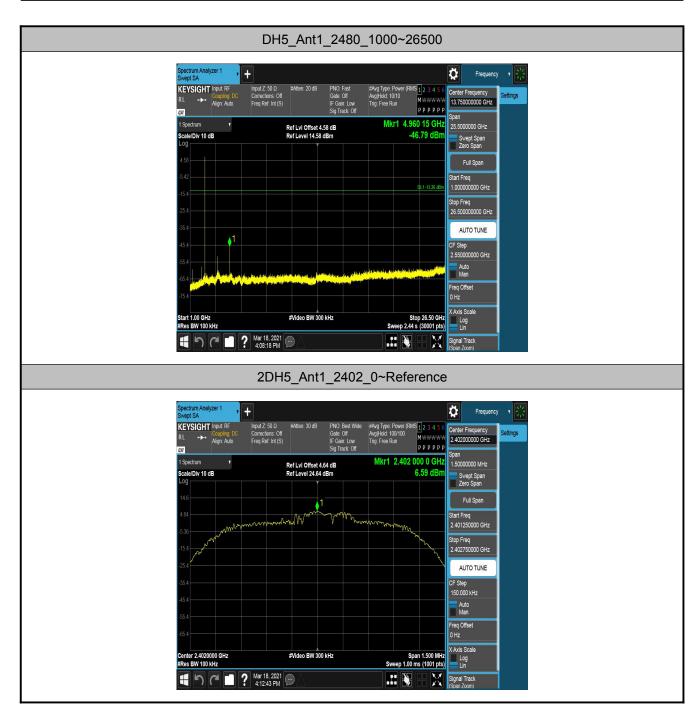




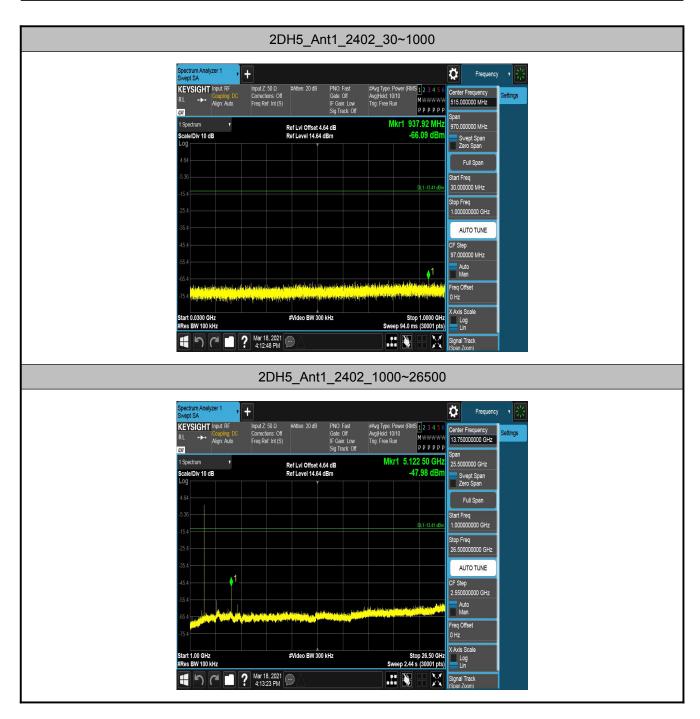




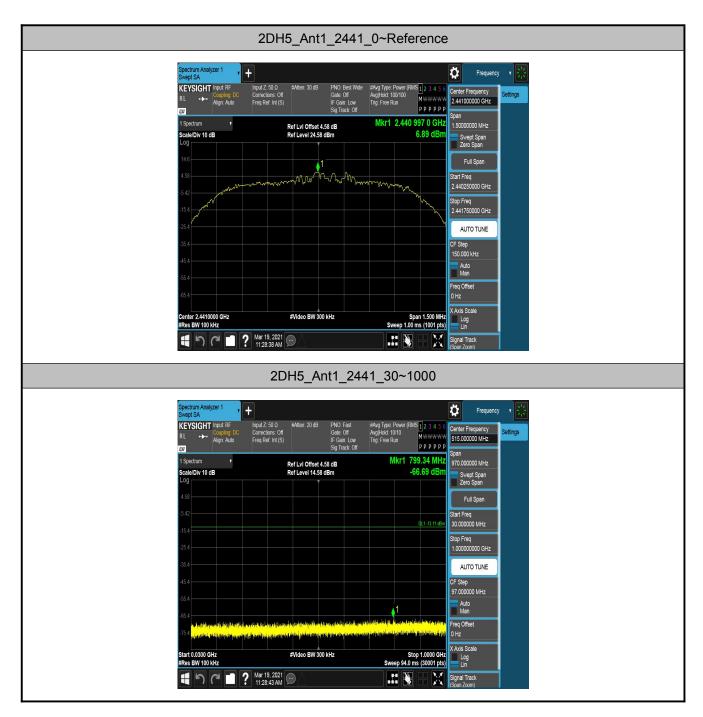




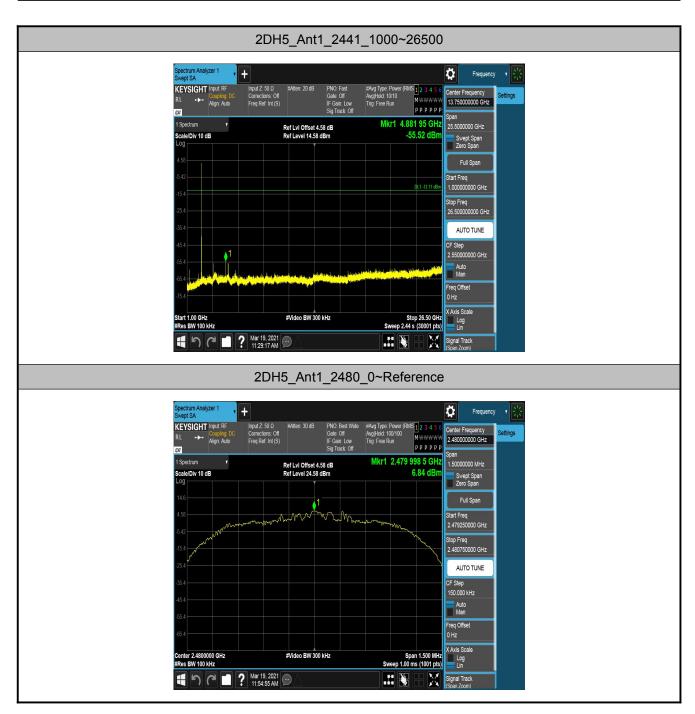




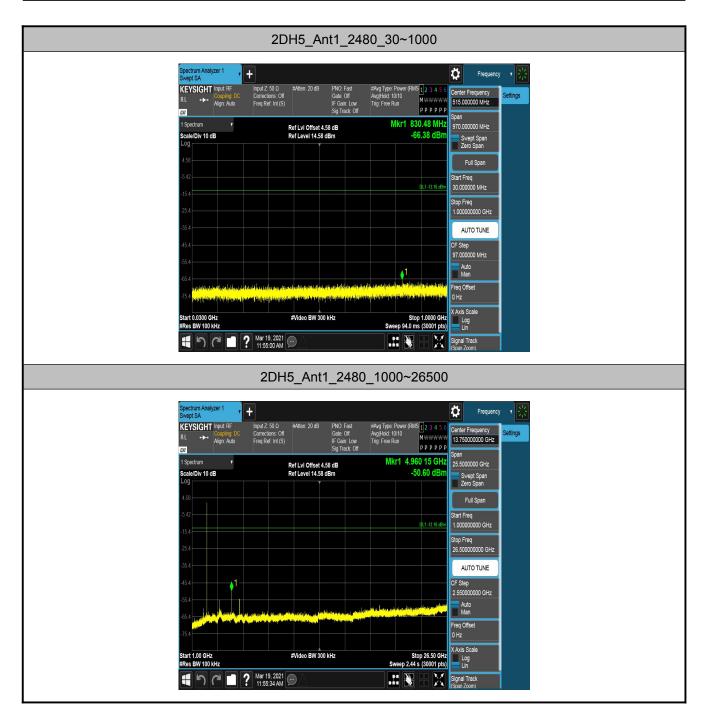




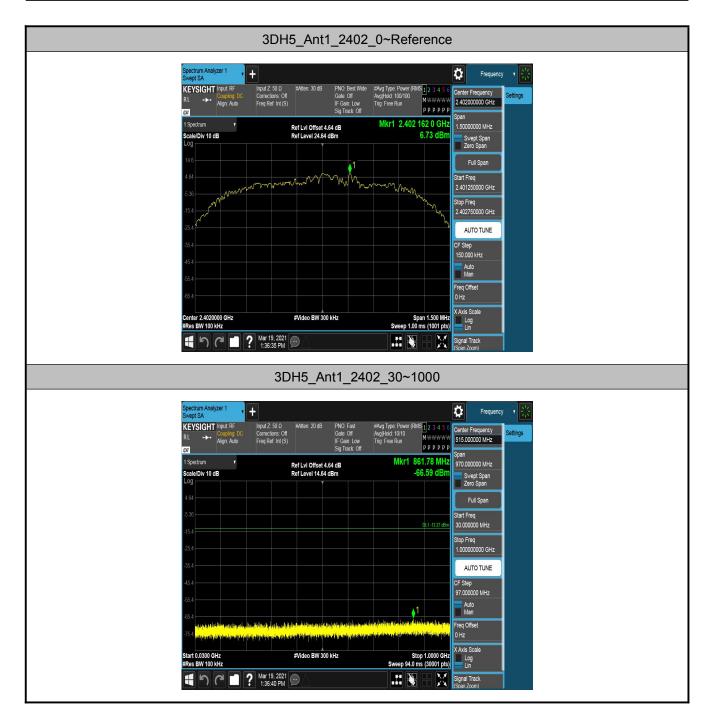




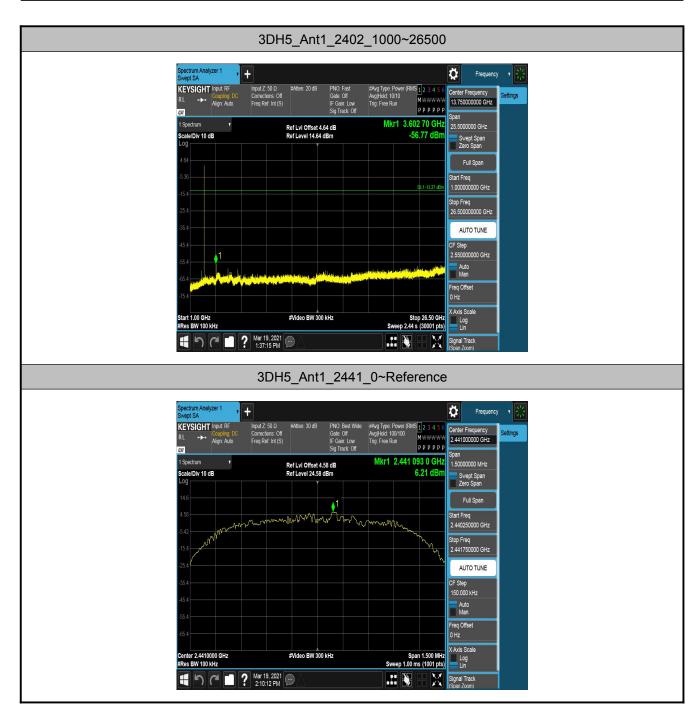




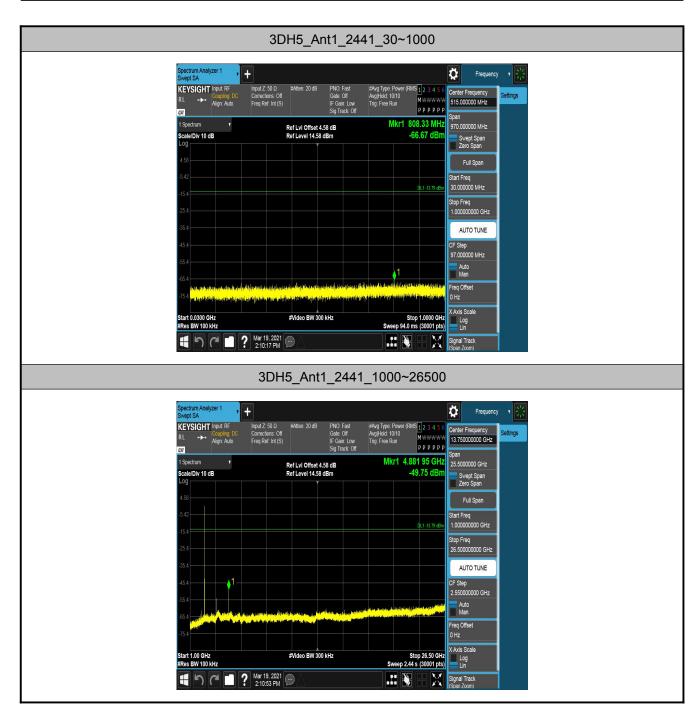




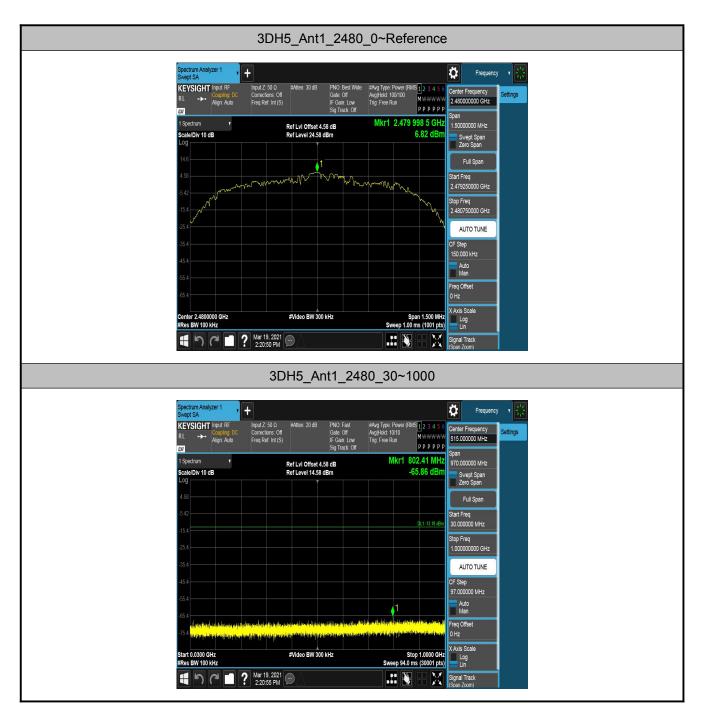




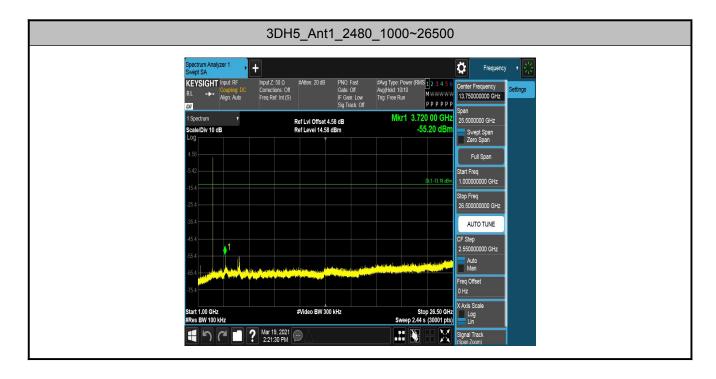














8.9. Radiated Spurious Emission Measurement

8.9.1. Test Limit

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR must not exceed the limits shown in Table per Section 15.209.

FCC Part 15 Subpart C Paragraph 15.209								
Frequency [MHz]	Field Strength [uV/m]	Measured Distance [Meters]						
0.009 - 0.490	2400/F (kHz)	300						
0.490 - 1.705	24000/F (kHz)	30						
1.705 - 30	30	30						
30 - 88	100	3						
88 - 216	150	3						
216 - 960	200	3						
Above 960	500	3						

8.9.2. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.4 (Standard test method below 30MHz)

ANSI C63.10 Section 6.5 (Standard test method above 30MHz to 1GHz)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)



8.9.3. Test Setting

Quasi-Peak Measurements below 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. Span was set greater than 1MHz
- 3. RBW = as specified in Table 1
- 4. Detector = CISPR quasi-peak
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

Table 1 - RBW as a function of frequency

Frequency	RBW		
9 ~ 150 kHz	200 ~ 300 Hz		
0.15 ~ 30 MHz	9 ~ 10 kHz		
30 ~ 1000 MHz	100 ~ 120 kHz		
> 1000 MHz	1 MHz		

Peak Measurements above 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Average Measurements above 1GHz (Method VB)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW; If the EUT is configured to transmit with duty cycle \geq 98%, set VBW = 10 Hz. If the EUT duty cycle is < 98%, set VBW \geq 1/T. T is the minimum transmission duration.
- 4. Detector = Peak
- 5. Sweep time = auto

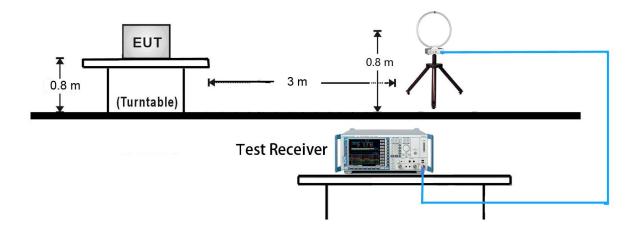


- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

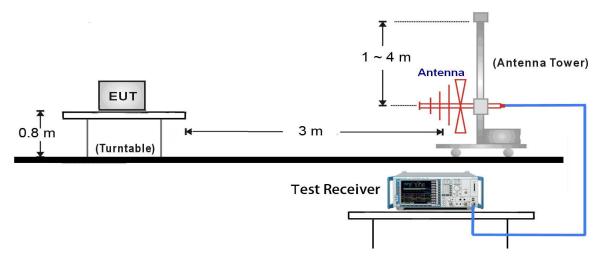


8.9.4. Test Setup

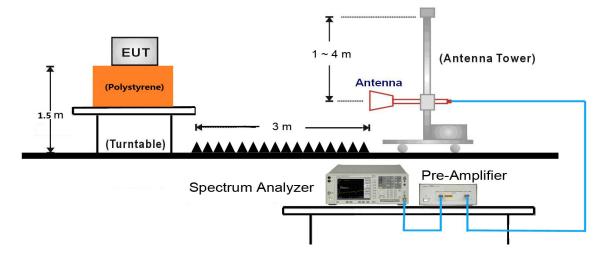
9kHz ~ 30MHz Test Setup:



30MHz ~ 1GHz Test Setup:



1GHz ~ 25GHz Test Setup:





8.9.5. Test Result

The Worst Case of Radiated Emission above 1GHz

Test Mode:	3DH5 - Ant 1	Test Date:	2021-03-26			
Test Channel:	00	Test Engineer:	Amos Xia			
Remark:	Average measurement was not performed if peak level lower than average limit.					
	2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the					
	report.					

Mark	Frequency	Level	Factor	Limit	Margin	Detector	Polarization
	(MHz)	(dBµV)	(dB)	(dBµV/m)	(dB)		
	4824	45.69	7.33	74.00	28.31	Peak	Horizontal
	5132	44.41	8.47	74.00	29.59	Peak	Horizontal
*	6782	47.91	12.87	77.35	29.44	Peak	Horizontal
*	7235	48.39	13.59	77.35	28.96	Peak	Horizontal
	4824	44.70	7.33	74.00	29.30	Peak	Vertical
	5132	44.32	8.47	74.00	29.68	Peak	Vertical
*	6782	46.29	12.87	77.35	31.06	Peak	Vertical
*	7236	48.18	13.59	77.35	29.17	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (97.35dBµV/m) or 15.209 which is higher.

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Test Mode:	3DH5 - Ant 1	Test Date:	2021-03-26		
Test Channel:	39	Test Engineer:	Amos Xia		
Remark:	3. Average measurement was not pe	erformed if peak level I	ower than average limit.		
	4. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the				
	report.				

Mark	Frequency (MHz)	Level (dBµV)	Factor (dB)	Limit (dBµV/m)	Margin (dB)	Detector	Polarization
	(111112)	(αΣμτ)	(42)	(45,47,111)	(42)		
	4882	45.01	7.33	74.00	28.99	Peak	Horizontal
	4905.953	45.31	7.69	74.00	28.69	Peak	Horizontal
*	6991.996	49.56	13.16	77.38	27.82	Peak	Horizontal
*	7200	48.55	13.59	77.38	28.83	Peak	Horizontal
	4882	43.43	7.33	74.00	30.57	Peak	Vertical
	5003.5018	44.89	8.15	74.00	29.11	Peak	Vertical
*	6782	47.36	12.87	77.38	30.02	Peak	Vertical
*	7200	48.59	13.59	77.38	28.79	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (97.38dBµV/m) or 15.209 which is higher.



Test Mode:	3DH5 - Ant 1	Test Date:	2021-03-26		
Test Channel:	78	Test Engineer:	Amos Xia		
Remark:	5. Average measurement was not pe	erformed if peak level I	ower than average limit.		
	6. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the				
	report.				

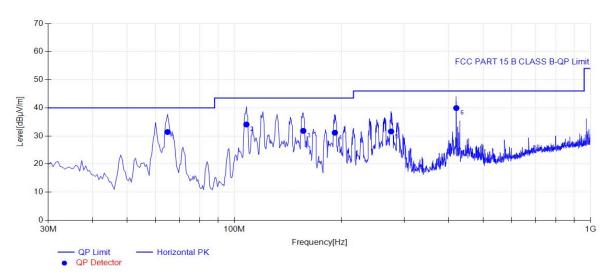
Mark	Frequency	Level	Factor	Limit	Margin	Detector	Polarization
	(MHz)	(dBµV)	(dB)	(dBµV/m)	(dB)		
	4944	45.95	7.33	74.00	28.05	Peak	Horizontal
	5003.5018	44.77	8.15	74.00	29.23	Peak	Horizontal
*	6984.4922	48.5	13.15	78.12	29.62	Peak	Horizontal
*	7200	48.26	13.59	78.12	29.86	Peak	Horizontal
	4944	43.81	7.33	74.00	30.19	Peak	Vertical
	4988.4942	45.17	8.06	74.00	28.83	Peak	Vertical
*	7067.0335	49.07	13.17	78.12	29.05	Peak	Vertical
*	7200	48.95	13.59	78.12	29.17	Peak	Vertical

Note 1: "*" is not in restricted band, its limit is 20dBc of the fundamental emission level (98.12dBµV/m) or 15.209 which is higher.



The Worst Case of Radiated Emission below 1GHz:

EUT:	DIZO GoPods D	Polarity:	Horizontal
Model:	DA2002	SN:	N/A
Mode:	Transmit by DH5 at Channel 2480MHz		DC 3.3V
Environment:	Environment: Temp: 25°C; Humi:60%		Amos Xia



Final I	Final Data List								
NO	Freq.	Factor	QP Value	QP Limit	QP Margin	Height	Angle	Dolority	
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity	
1	64.9200	7.45	31.39	40.00	8.61	200	0	Horizontal	
2	108.085	11.08	34.08	43.50	9.42	200	64	Horizontal	
3	156.100	10.17	31.80	43.50	11.70	200	121	Horizontal	
4	191.505	9.18	31.15	43.50	12.35	100	84	Horizontal	
5	275.410	12.41	31.61	46.00	14.39	100	162	Horizontal	
6	419.940	16.76	39.93	46.00	6.07	100	3	Horizontal	

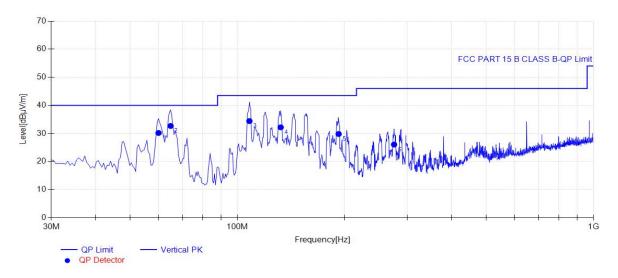
Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: $9kHz \sim 30MHz$, $18GHz \sim 25GHz$), therefore no data appear in the report.





EUT:	DIZO GoPods D	Polarity:	Vertical
Model:	DA2002	SN:	N/A
Mode:	Mode: Transmit by DH5 at Channel 2480MHz		DC 3.3V
Environment:	Temp: 25°€; Humi:60%	Engineer:	Amos Xia

Test Graph



Final I	Final Data List								
NO.	Freq.	Factor	QP Value	QP Limit	QP Margin	Height	Angle	Dolority	
NO.	[MHz]	[dB]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity	
1	60.0700	5.93	30.18	40.00	9.82	100	160	Vertical	
2	64.9200	7.45	32.67	40.00	7.33	100	174	Vertical	
3	108.085	11.08	34.41	43.50	9.09	100	226	Vertical	
4	132.335	11.67	32.18	43.50	11.32	100	138	Vertical	
5	192.475	9.16	29.81	43.50	13.69	100	101	Vertical	
6	275.410	12.41	26.05	46.00	19.95	200	348	Vertical	

Note 1: The test trace is same as the ambient noise and the amplitude of the emissions are attenuated more than 20dB below the permissible (the test frequency range: $9kHz \sim 30MHz$, $18GHz \sim 25GHz$), therefore no data appear in the report.



8.10. Radiated Restricted Band Edge Measurement

For 15.205 requirement:

Radiated emissions which fall in the restricted bands, as defined in Section 15.205(a) of FCC part 15, must also comply with the radiated emission limits specified in Section 15.209(a).

Frequency	Frequency	Frequency	Frequency
(MHz)	(MHz)	(MHz)	(GHz)
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
¹ 0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.25 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2690 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	(2)
13.36 - 13.41			

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All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47CFR must not exceed the limits shown in Table per Section 15.209.

·								
FCC Part 15 Subpart C Paragraph 15.209								
Frequency	Field Strength	Measured Distance						
[MHz]	[uV/m]	[Meters]						
0.009 - 0.490	2400/F (kHz)	300						
0.490 - 1.705	24000/F (kHz)	30						
1.705 - 30	30	30						
30 - 88	100	3						
88 - 216	150	3						
216 - 960	200	3						
Above 960	500	3						

8.10.1. Test Procedure Used

ANSI C63.10 Section 6.3 (General Requirements)

ANSI C63.10 Section 6.6 (Standard test method above 1GHz)

8.10.2. Test Setting

Peak Field Strength Measurements

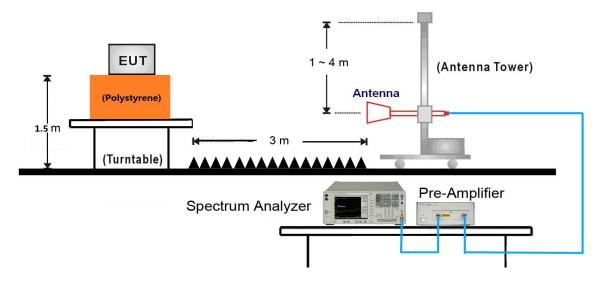
- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

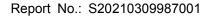


Average Measurements above 1GHz (Method VB)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW; If the EUT is configured to transmit with duty cycle \geq 98%, set VBW = 10 Hz. If the EUT duty cycle is < 98%, set VBW \geq 1/T. T is the minimum transmission duration.
- 4. Detector = Peak
- 5. Sweep time = auto
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

8.10.3. **Test Setup**



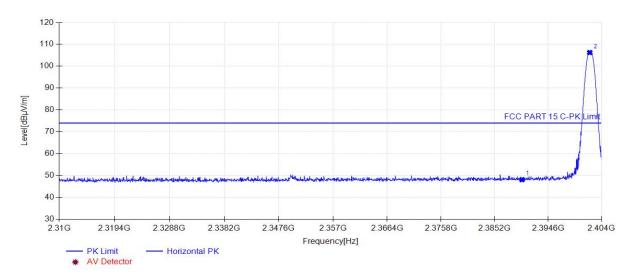




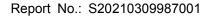
8.10.4. Test Result

Project Information							
EUT:	DIZO GoPods D	Model:	DA2002				
SN:	N/A	Voltage:	DC 3.3V				
Environment:	Temp: 25℃; Humi:60%	Engineer:	Amos Xia				
Remark:	Remark: Transmit by DH5 at Channel 2402MHz						

Start of Test:2021-03-26 15:49:03



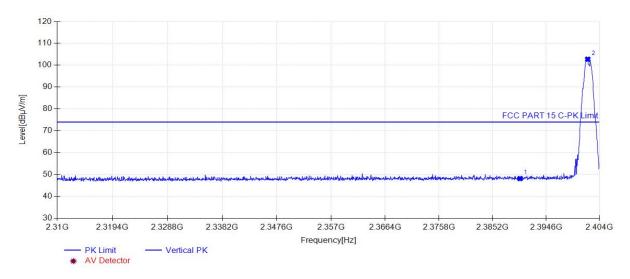
Suspe	Suspected Data List								
NO	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority	
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity	
1	2390.00	48.10	35.27	74.00	25.90	160	11	Horizontal	
2	2401.93	106.28	35.31	74.00	-32.28	160	122	Horizontal	





Project Information							
EUT:	DIZO GoPods D	Model:	DA2002				
SN:	N/A	Voltage:	DC 3.3V				
Environment:	Temp: 25℃; Humi:60%	Engineer:	Amos Xia				
Remark:	Remark: Transmit by DH5 at Channel 2402MHz						

Start of Test:2021-03-26 15:49:55



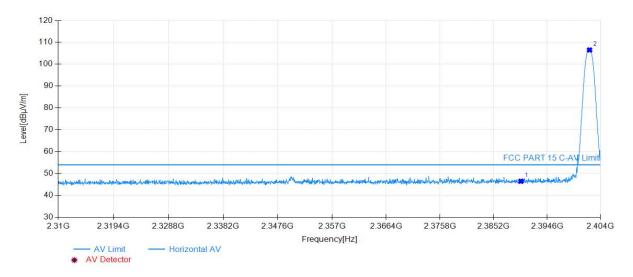
Suspected Data List								
NO.	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	2390.00	48.14	35.27	74.00	25.86	160	256	Vertical
2	2401.93	102.79	35.31	74.00	-28.79	160	70	Vertical





Project Information							
EUT:	DIZO GoPods D	Model:	DA2002				
SN:	N/A	Voltage:	DC 3.3V				
Environment:	Temp: 25°C; Humi:60%	Engineer:	Amos Xia				
Remark:	Remark: Transmit by DH5 at Channel 2402MHz						

Start of Test:2021-03-26 15:56:53



Suspected Data List								
NO.	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	2390.00	46.48	35.27	54.00	7.52	160	257	Horizontal
2	2402.07	106.54	35.31	54.00	-52.54	160	116	Horizontal