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Remark: The original sample's model name paralenz camera is changed to PDC-1 according to the client's requirement, while the change has no influence to the EMC performance that no additional test is needed.

1. Maximum peak conducted output power

Channel (mode)	Channel Frequency (MHz)	RF Output Power		Limit (mW)	Result
		dBm	mW		
1 (802.11b)	2412	19.15	82.224	1000	Pass
6 (802.11b)	2437	19.03	79.983	1000	Pass
11 (802.11b)	2462	19.29	84.918	1000	Pass
1 (802.11g)	2412	17.76	59.704	1000	Pass
6 (802.11g)	2437	17.64	58.076	1000	Pass
11 (802.11g)	2462	18.23	66.527	1000	Pass
1 (802.11n-HT20)	2412	17.60	57.544	1000	Pass
6 (802.11n-HT20)	2437	17.42	55.208	1000	Pass
11 (802.11n-HT20)	2462	18.24	66.681	1000	Pass

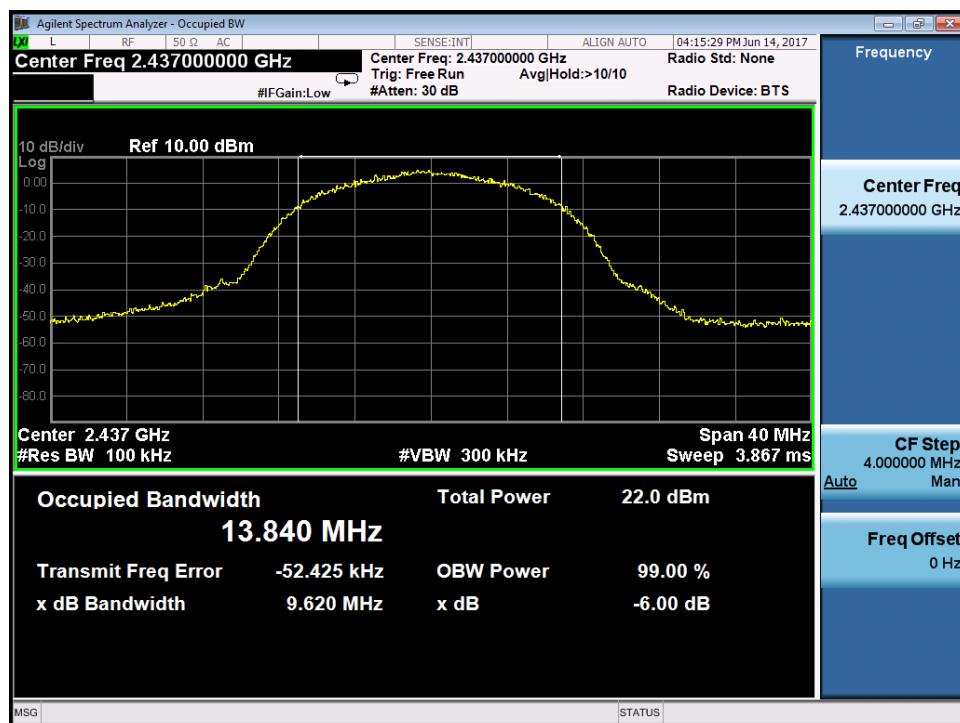
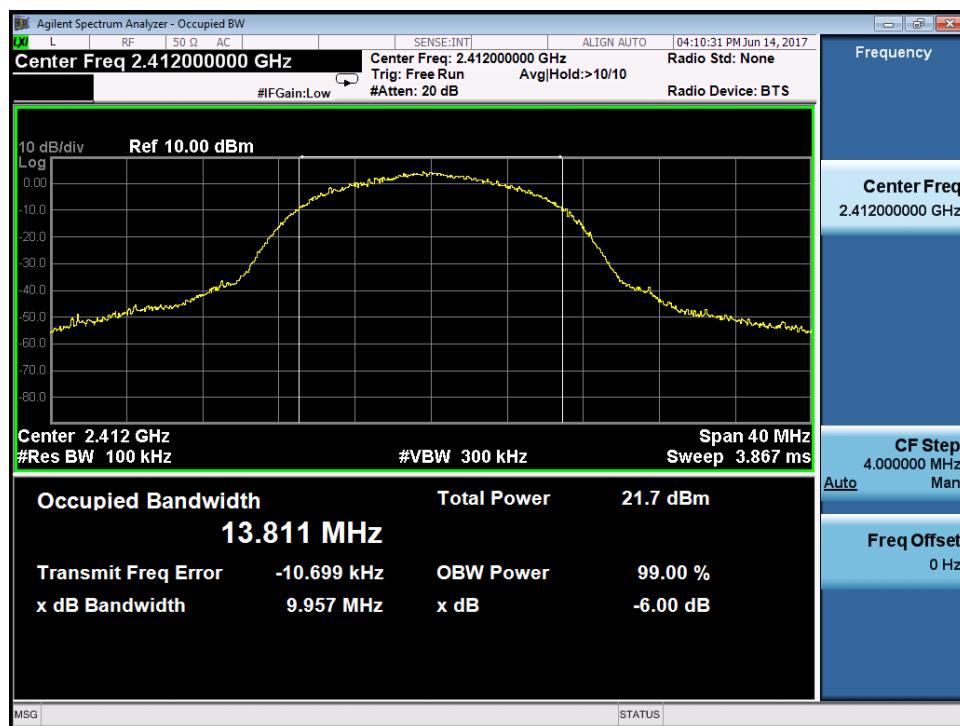
2. 6dB Bandwidth

2.1 Test Data of 6dB Bandwidth

Channel (mode)	Channel Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)	Result
1 (802.11b)	2412	13.811	>0.5	Pass
6 (802.11b)	2437	13.840	>0.5	Pass
11 (802.11b)	2462	13.857	>0.5	Pass
1 (802.11g)	2412	16.449	>0.5	Pass
6 (802.11g)	2437	16.439	>0.5	Pass
11 (802.11g)	2462	16.455	>0.5	Pass
1 (802.11n-HT20)	2412	17.684	>0.5	Pass
6 (802.11n-HT20)	2437	17.692	>0.5	Pass
11 (802.11n-HT20)	2462	17.691	>0.5	Pass

2.2 Test Graphs of 6dB Bandwidth

802.11b

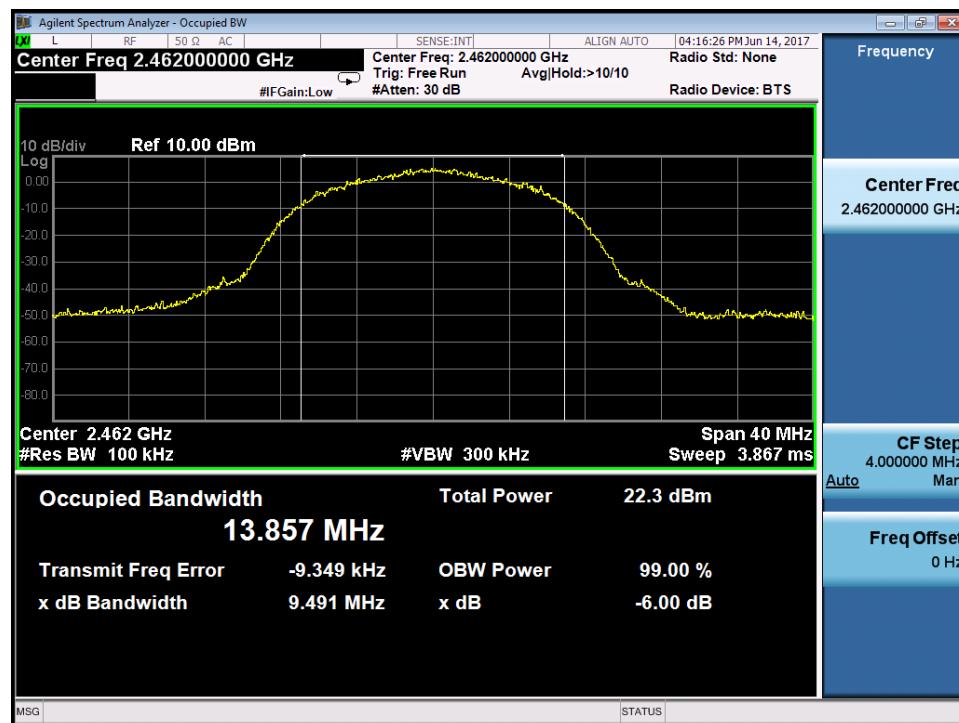


Appendix A
50087609 002

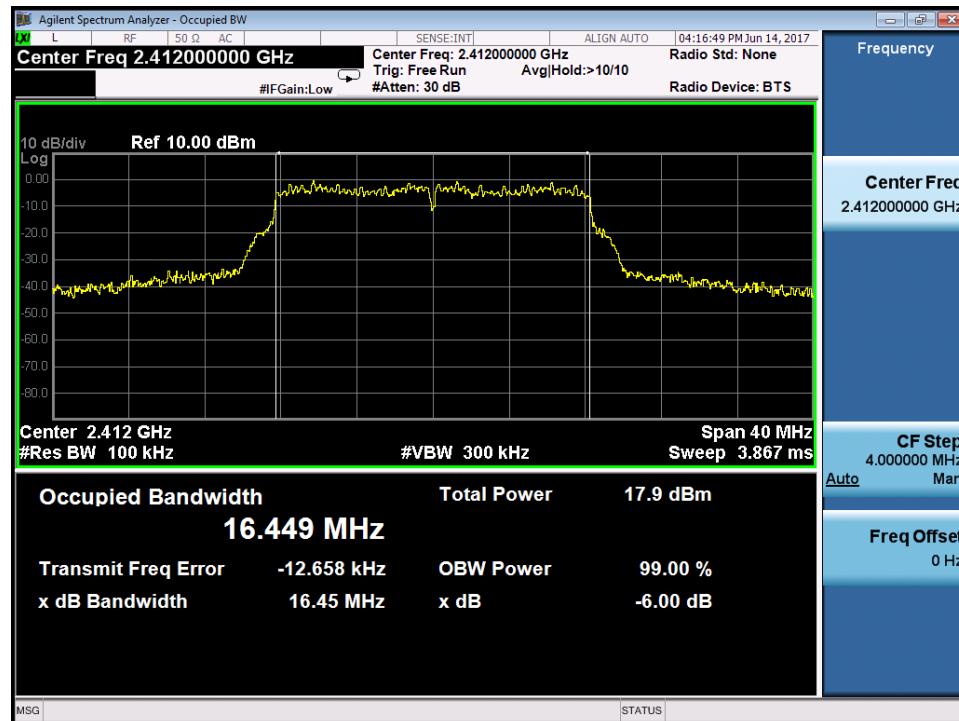


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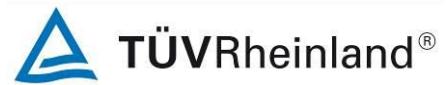
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802.11g

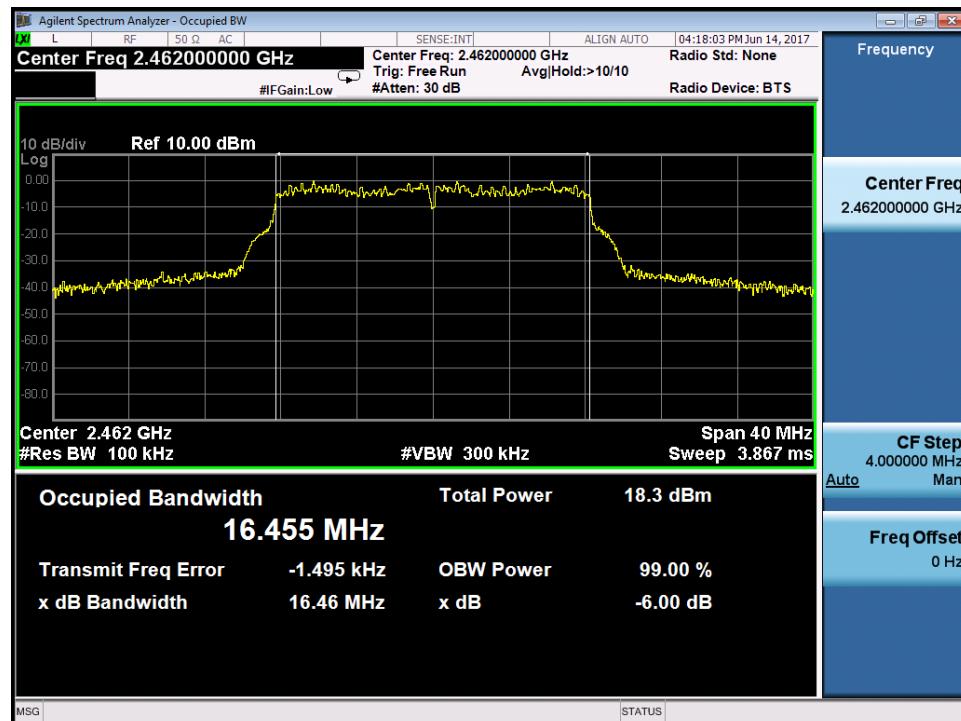


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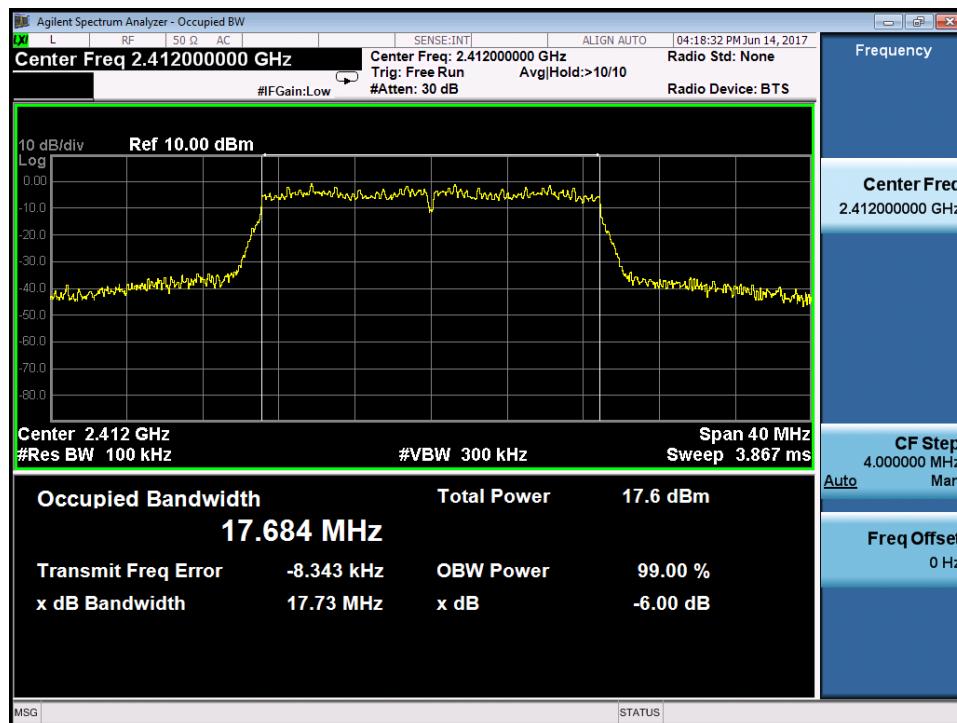


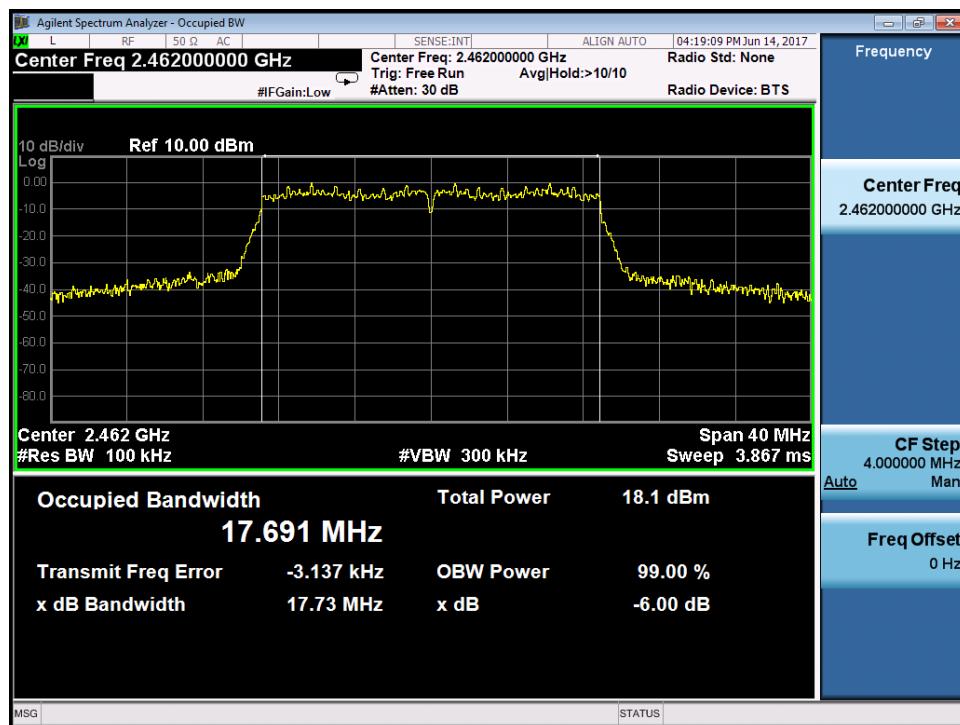
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802.11n-HT20





3. Power Spectral Density

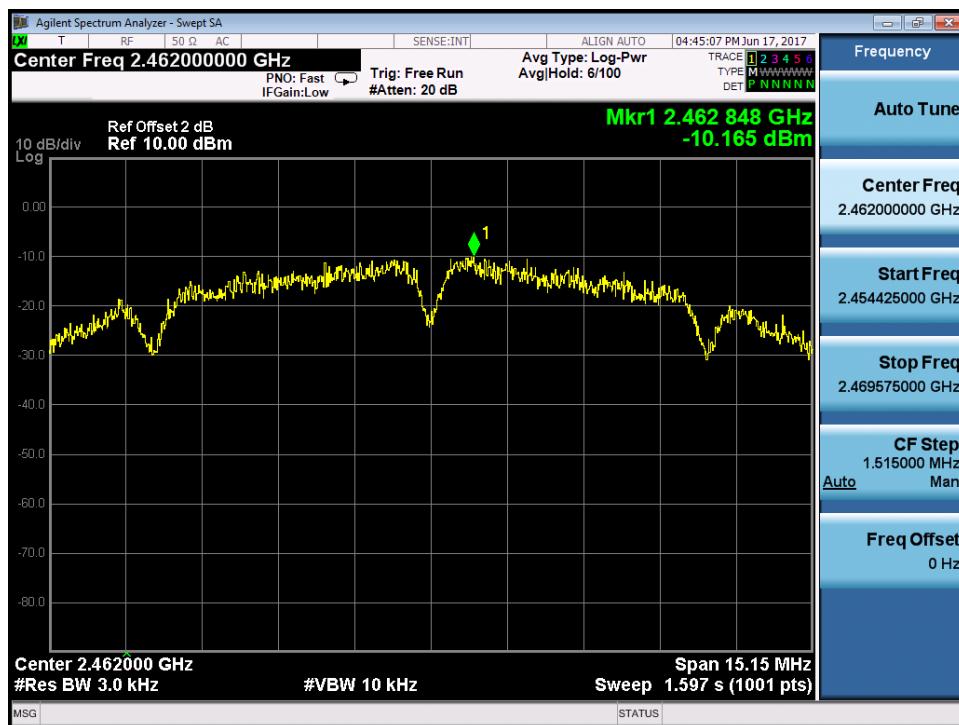
3.1 Test Data

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/3KHz)	Limit	Result
1 (802.11b)	2412	-8.392	8dBm/3KHz	Pass
6 (802.11b)	2437	-9.326	8dBm/3KHz	Pass
11 (802.11b)	2462	-10.165	8dBm/3KHz	Pass
1 (802.11g)	2412	-16.074	8dBm/3KHz	Pass
6 (802.11g)	2437	-15.824	8dBm/3KHz	Pass
11 (802.11g)	2462	-16.797	8dBm/3KHz	Pass
1 (802.11n-HT20)	2412	-16.185	8dBm/3KHz	Pass
6 (802.11n-HT20)	2437	-16.074	8dBm/3KHz	Pass
11 (802.11n-HT20)	2462	-16.057	8dBm/3KHz	Pass

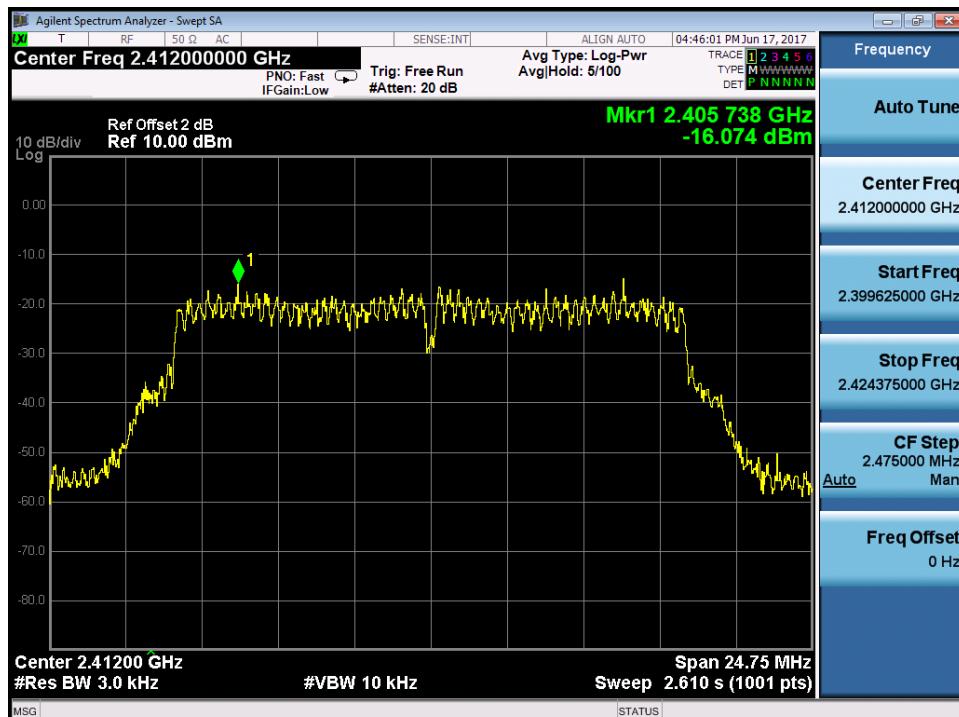
3.2 Test Graphs

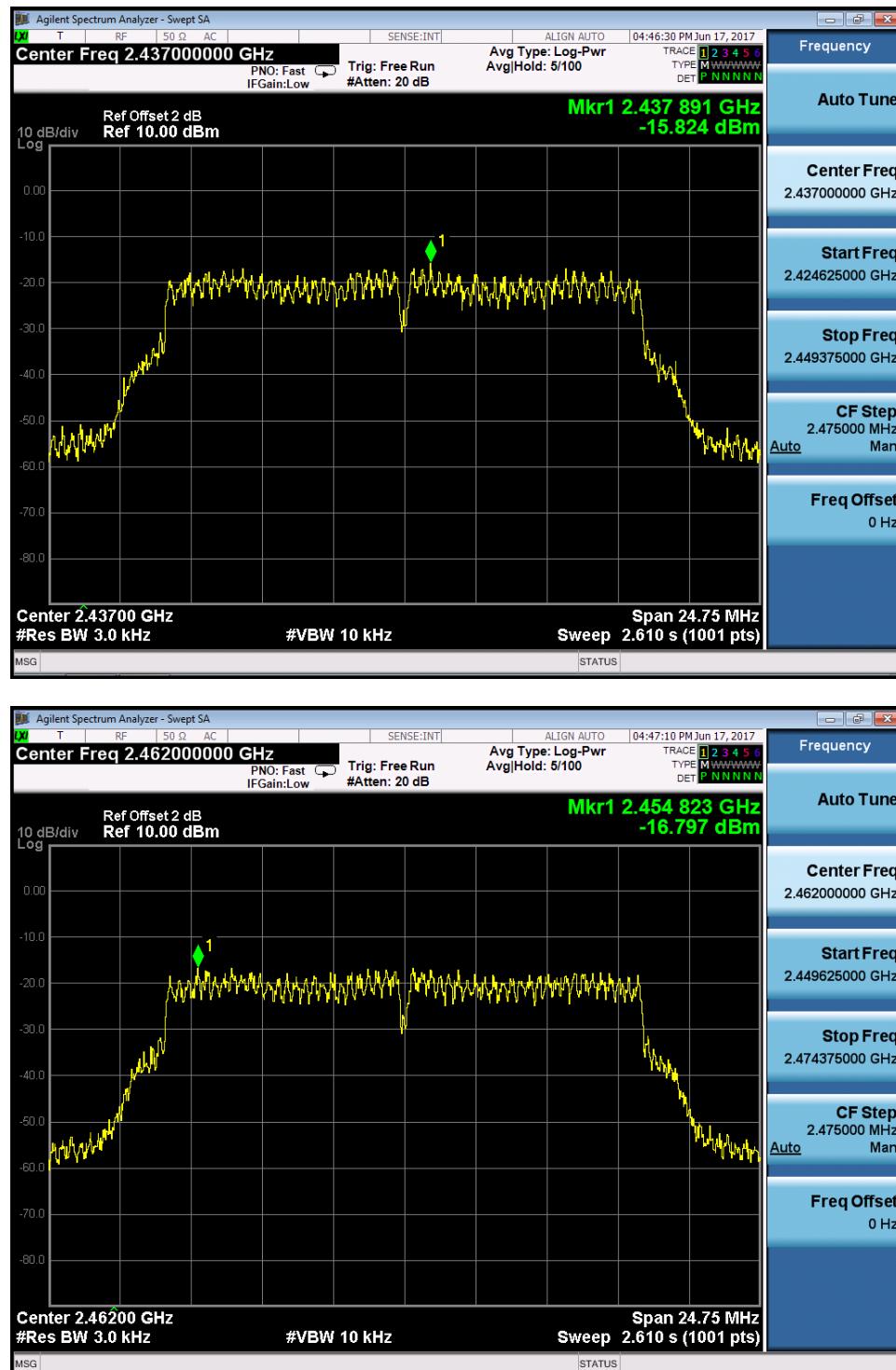
802.11b





802.11g





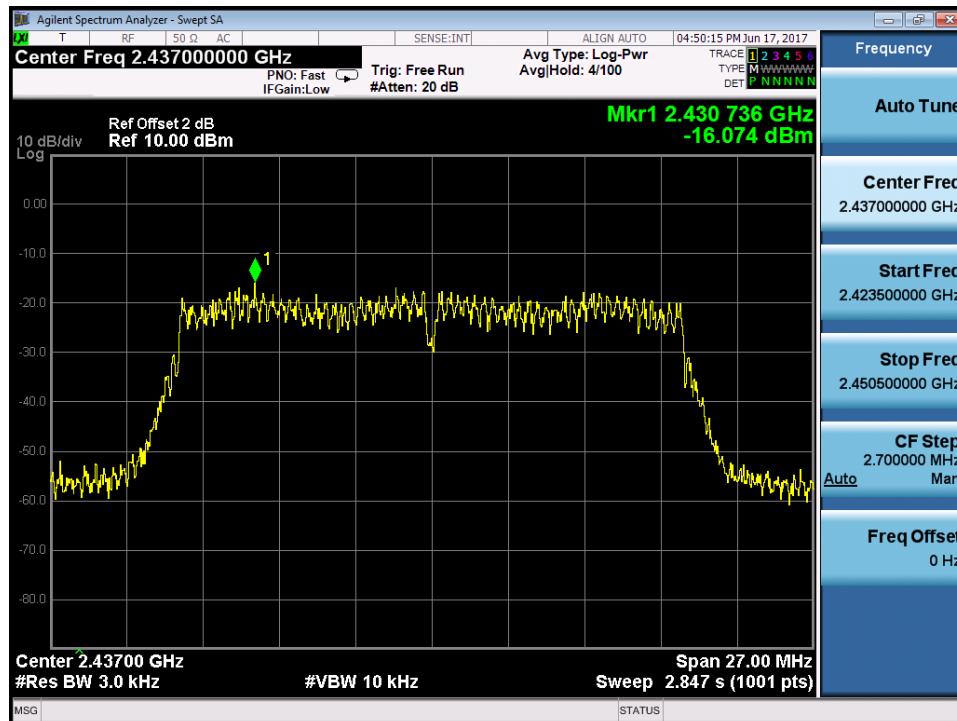
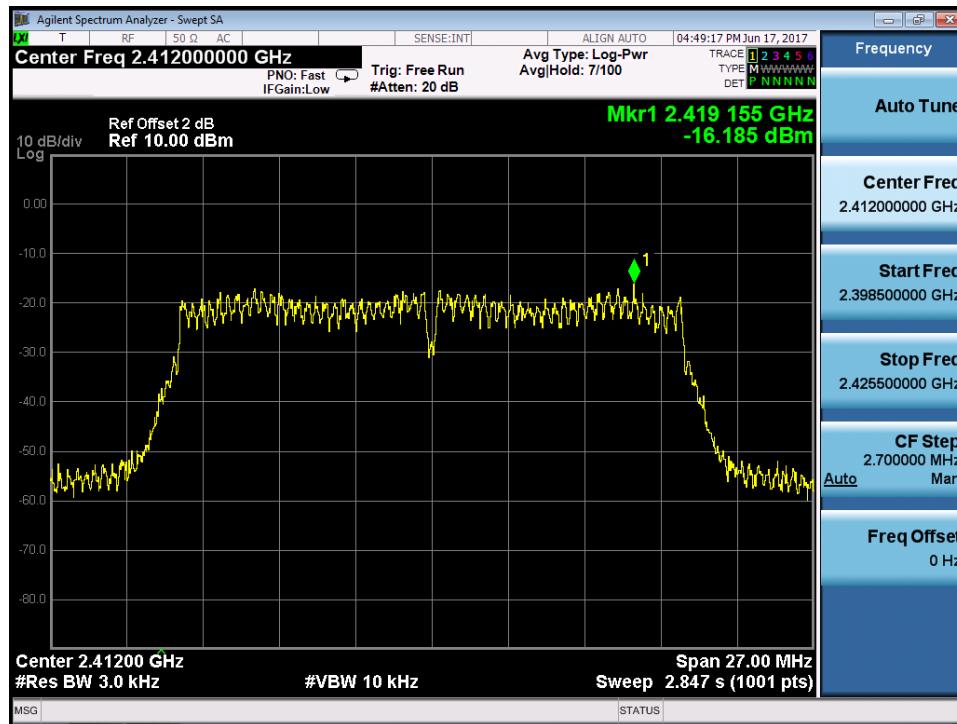
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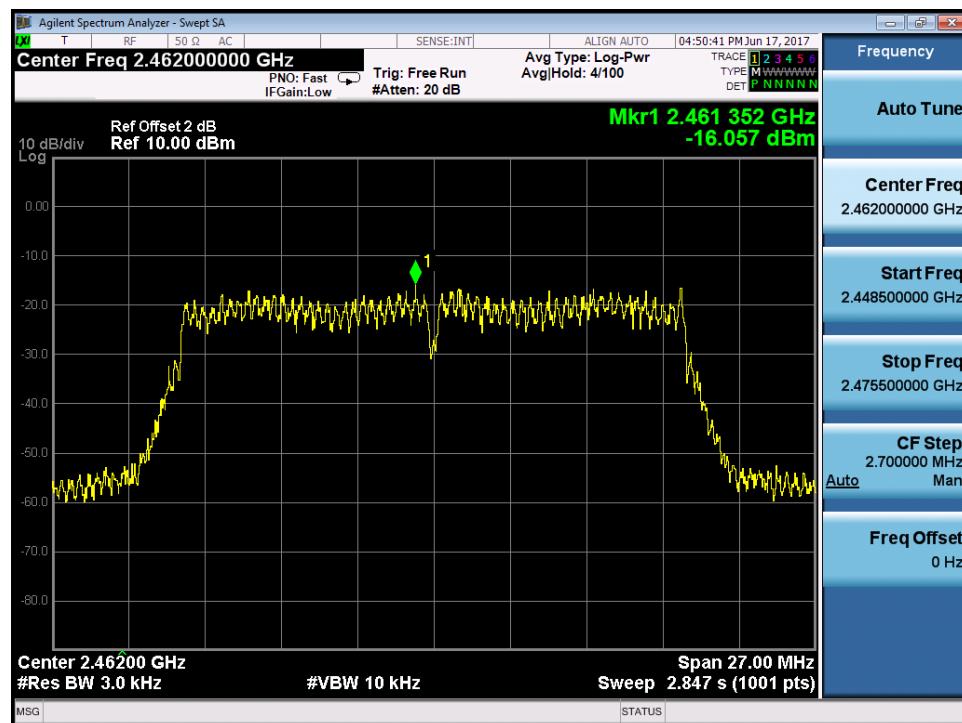


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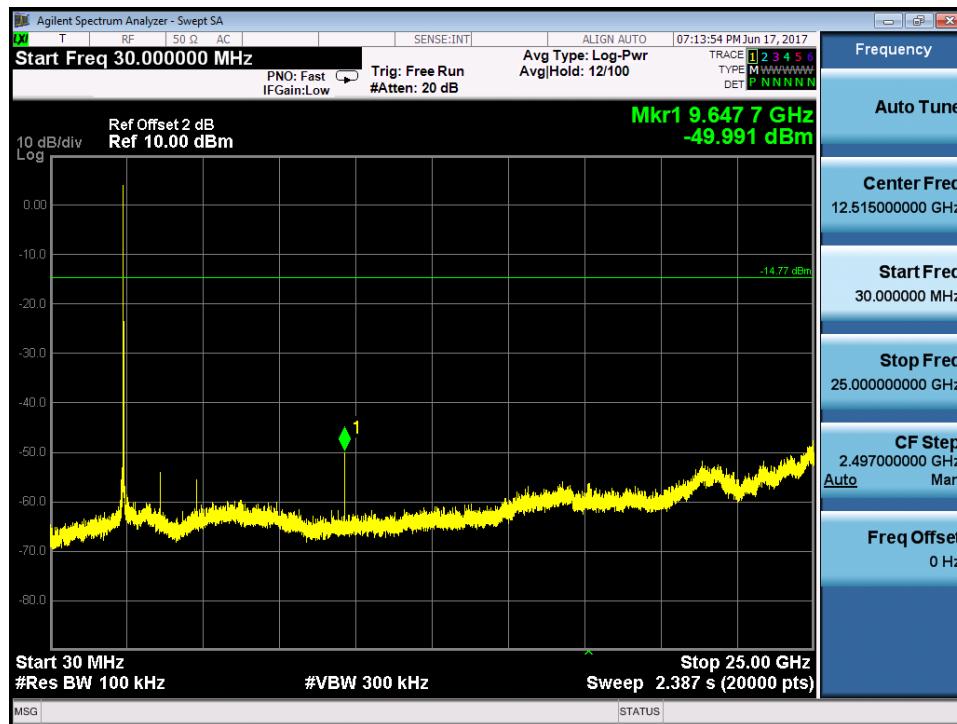
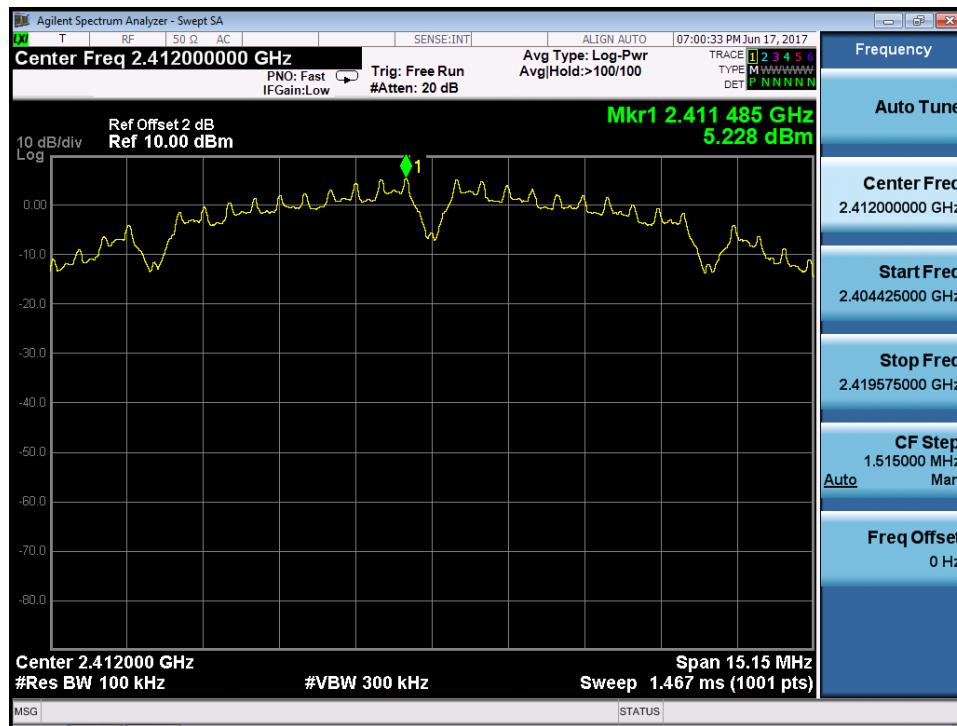


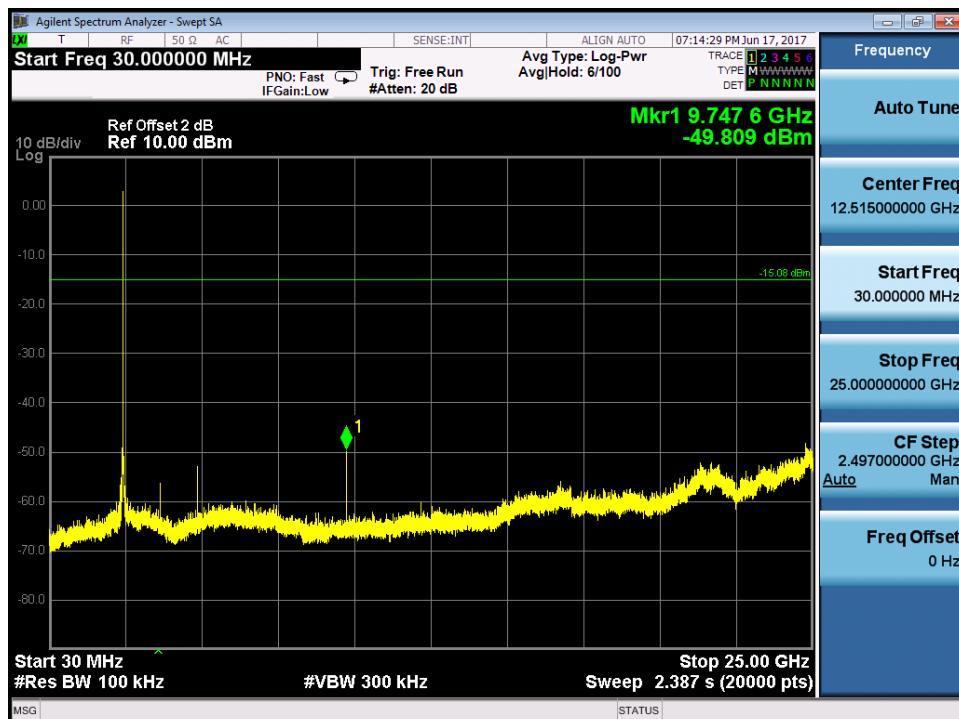
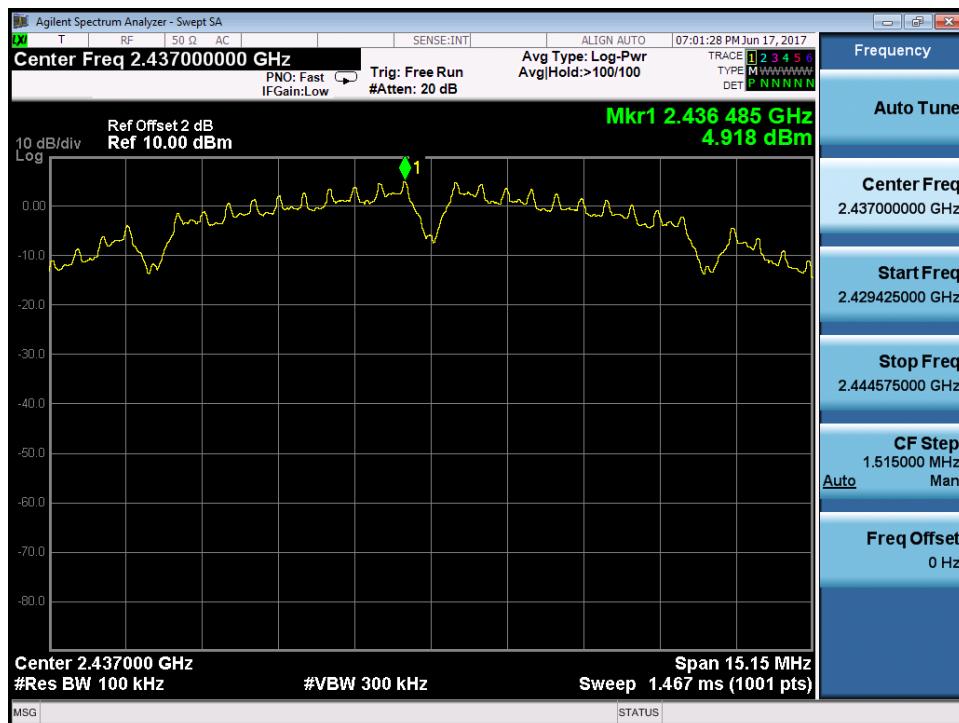


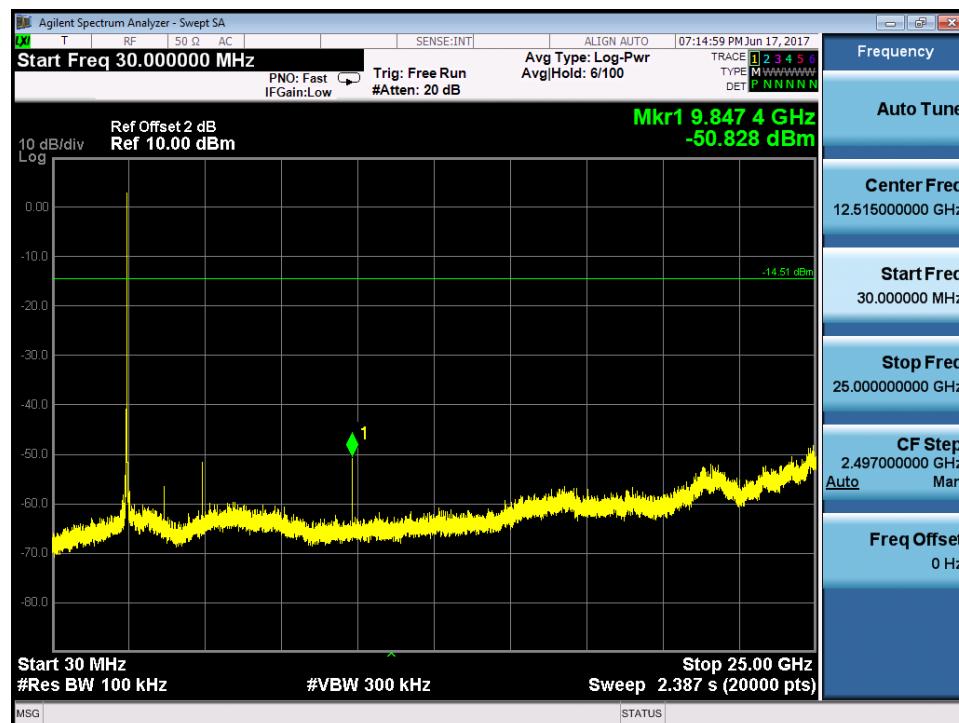
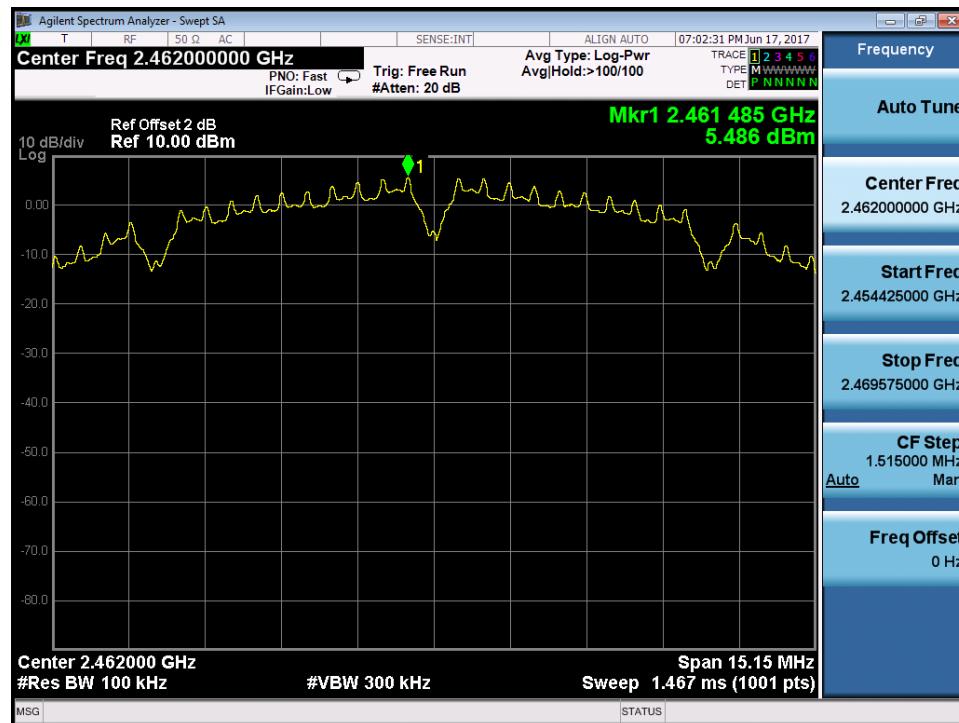
4. Conducted Spurious Emissions

4.1 Test Graphs of Conducted Spurious Emissions

802.11b







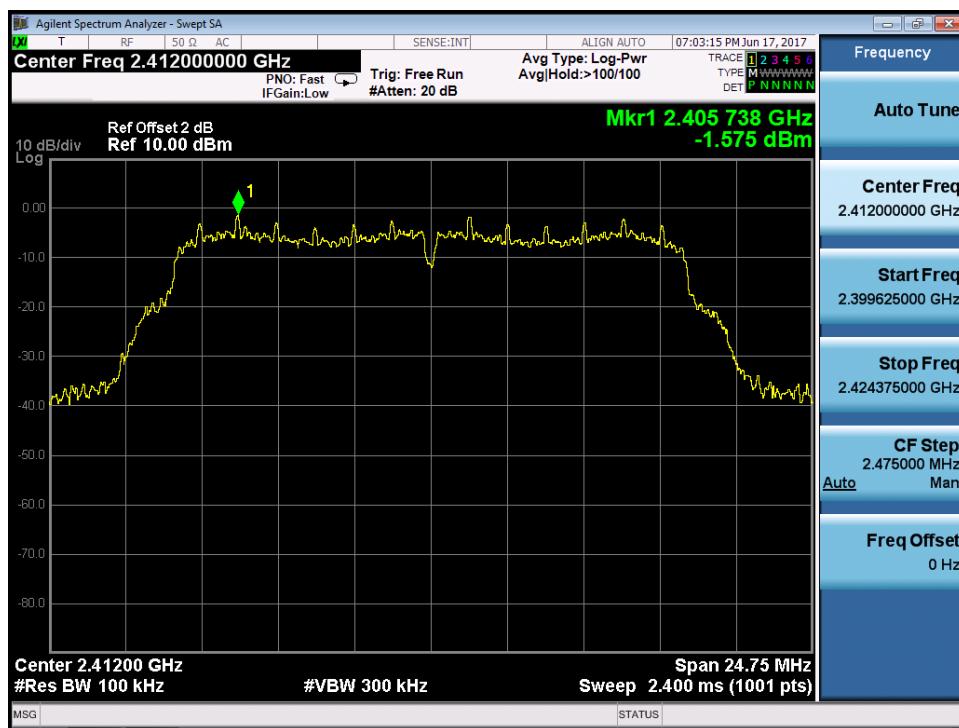
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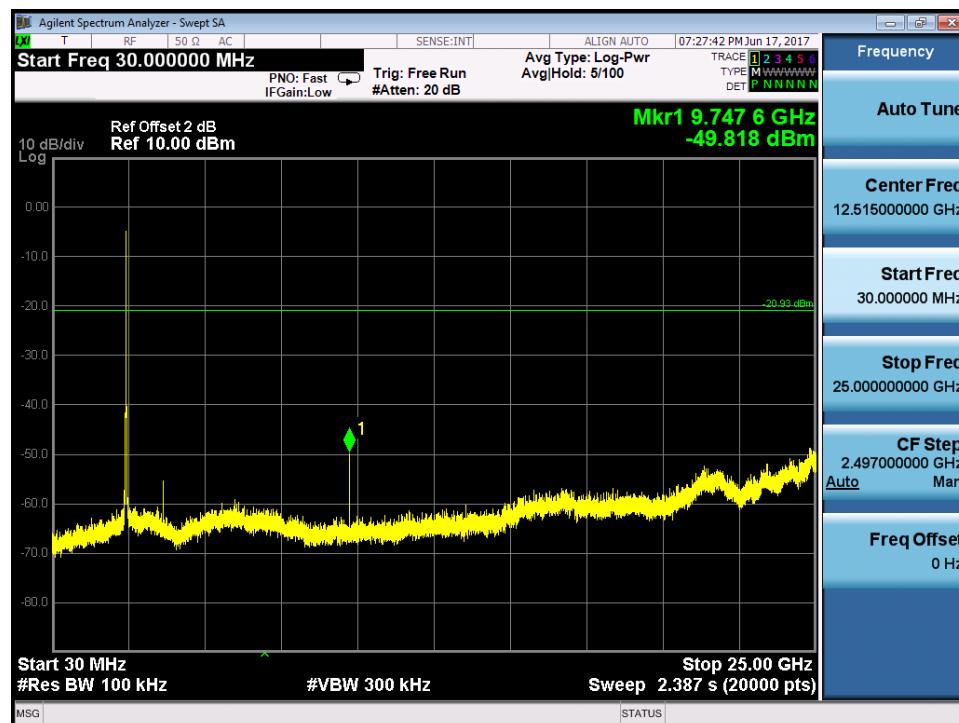


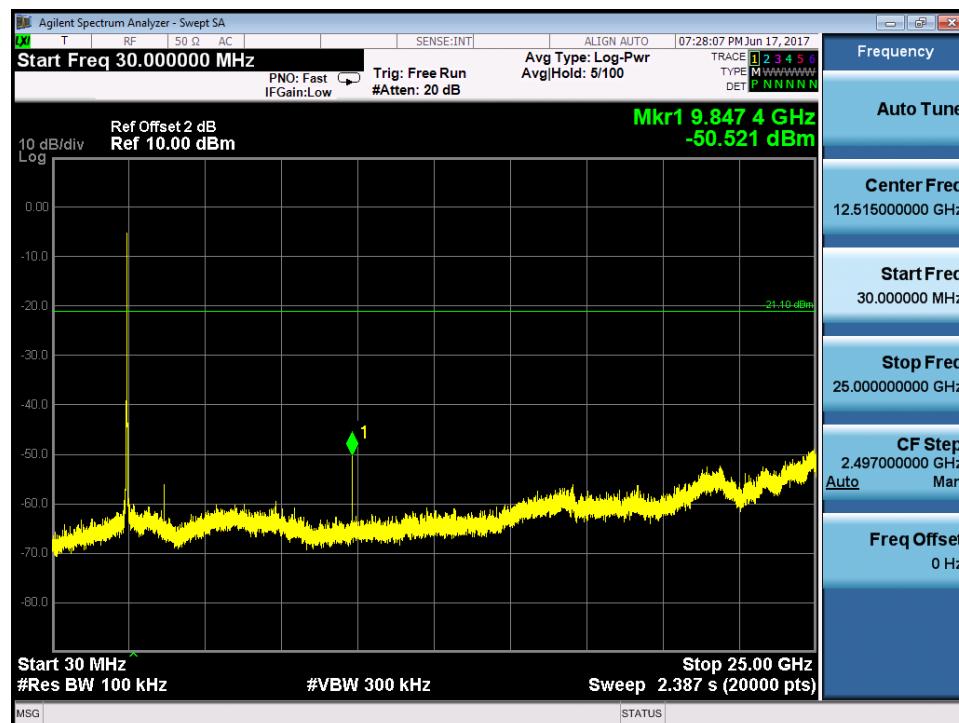
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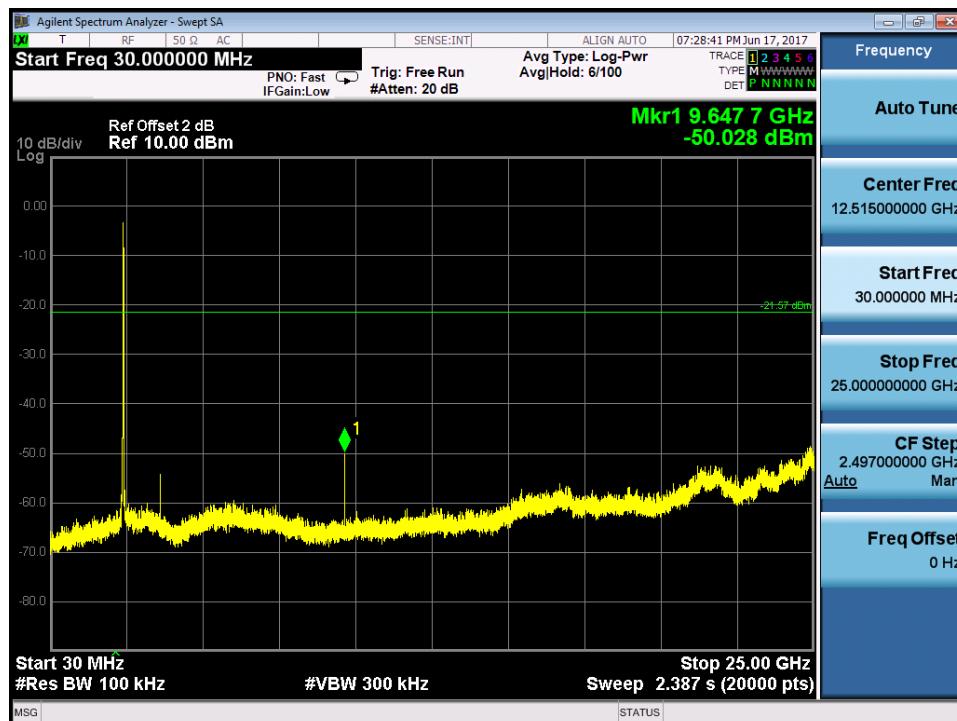
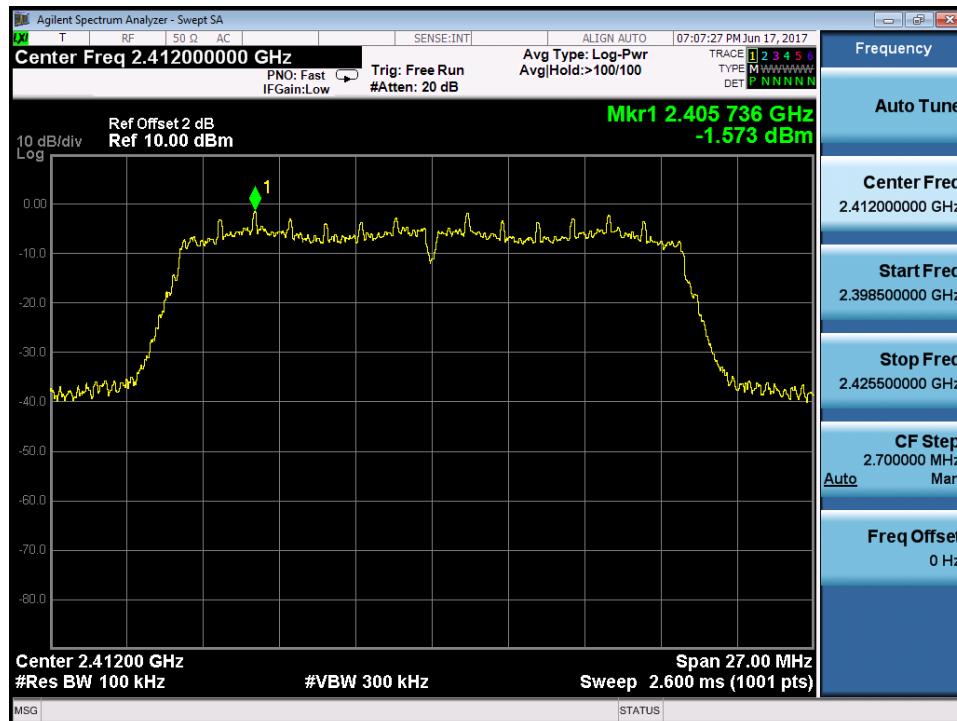
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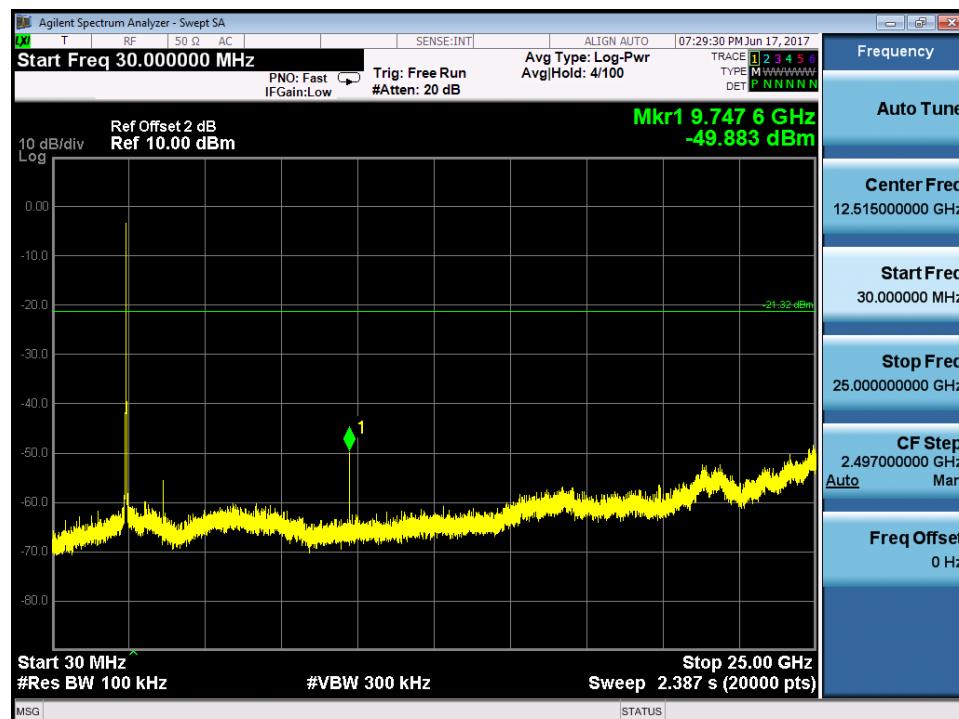
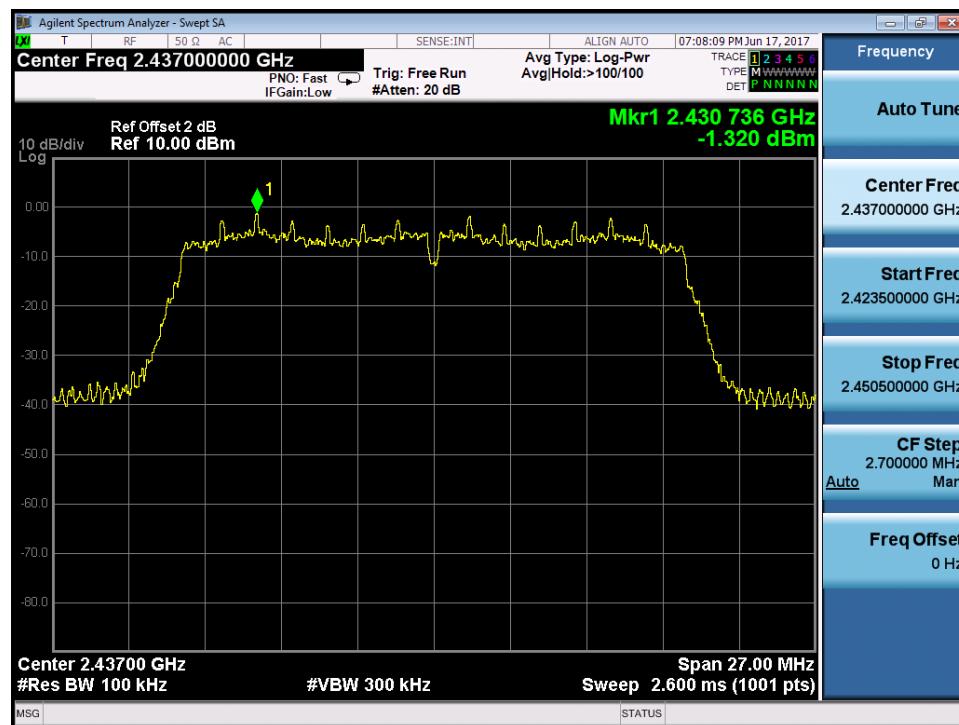


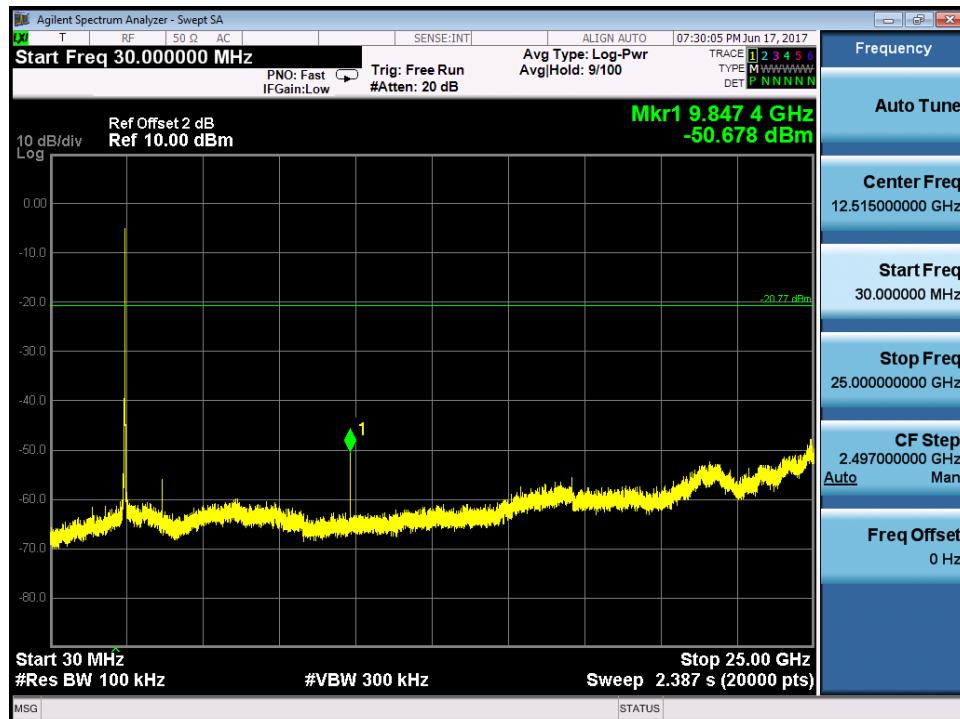
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4.2 Test Graphs of Bandedge

802.11b



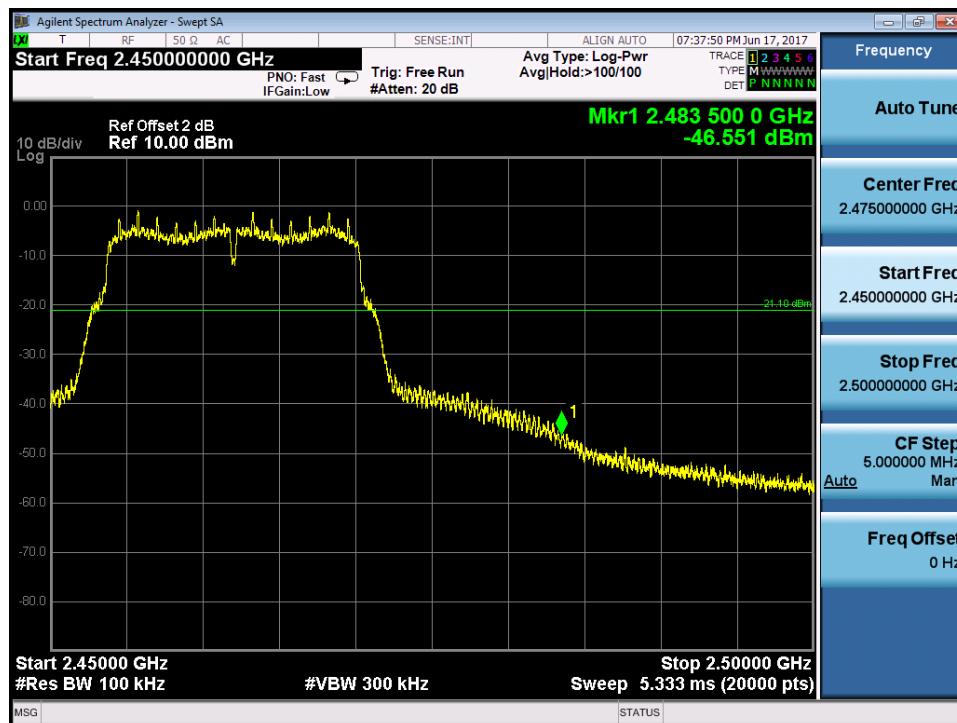
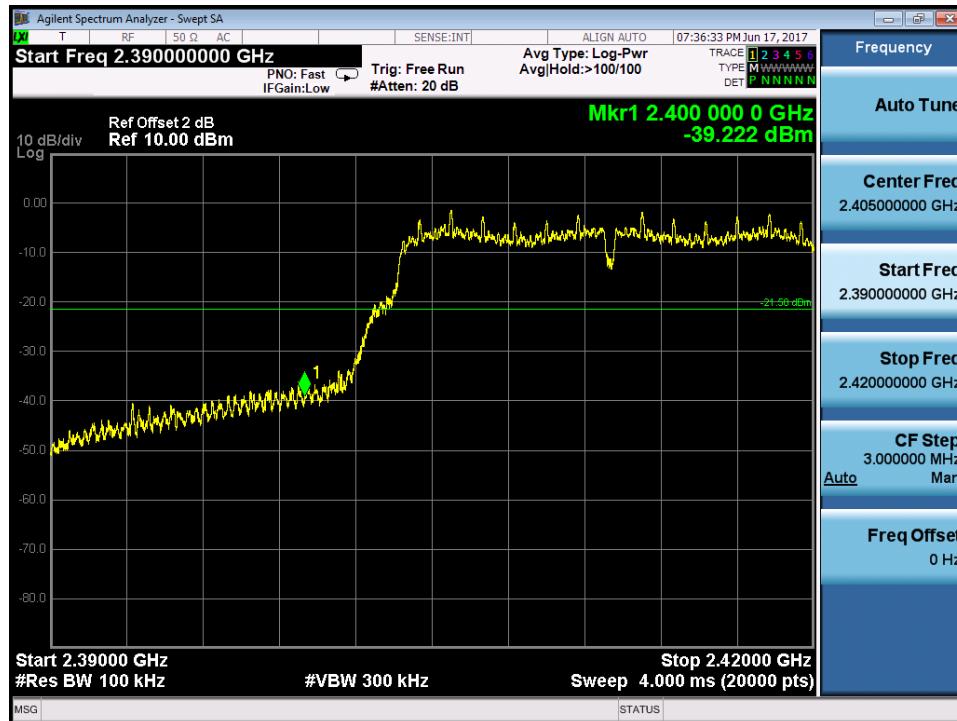
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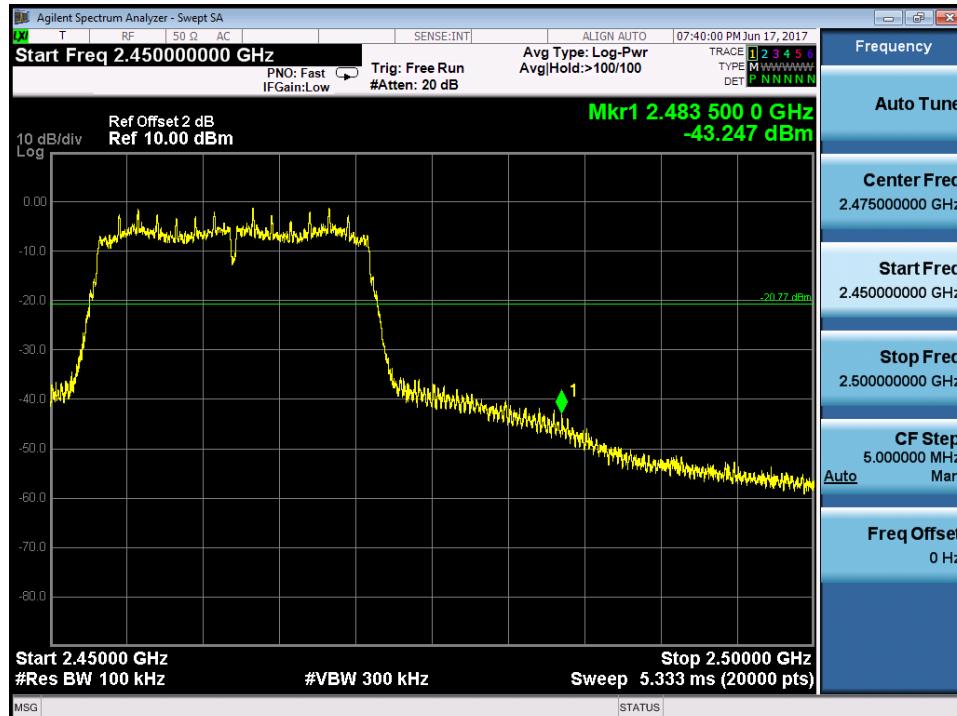
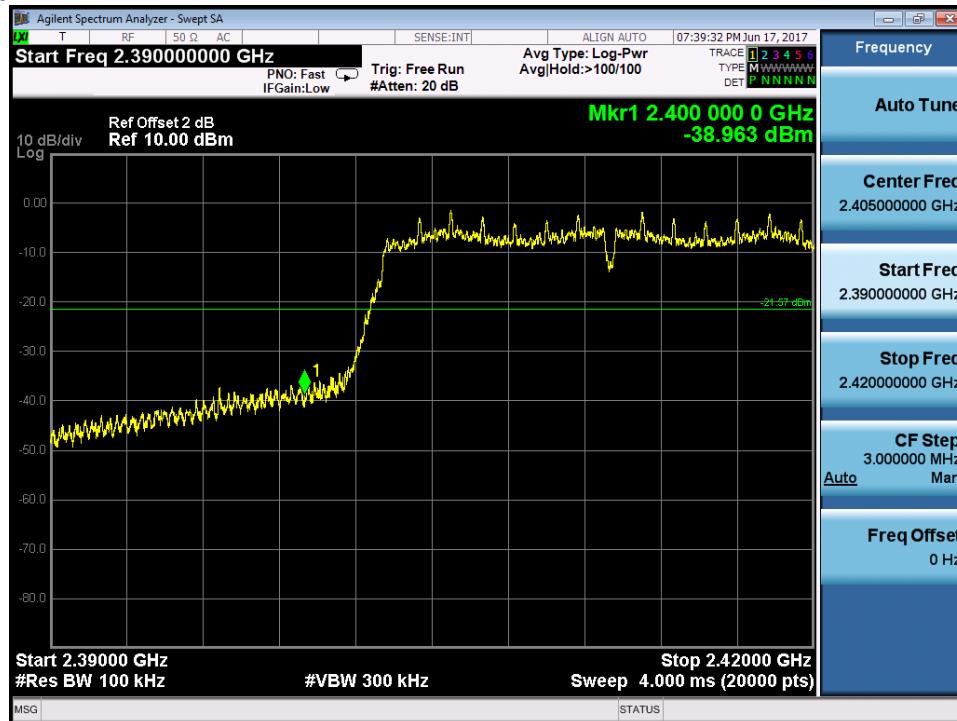
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5. Transmitter Spurious Emissions

*Note: 1, Testing is carried out with frequency rang 9kHz to the tenth harmonics.
2, The margin is greater than 20 dB are not shown in this Appendix.*

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5.1 Transmitter Spurious Emissions, Below 1GHz

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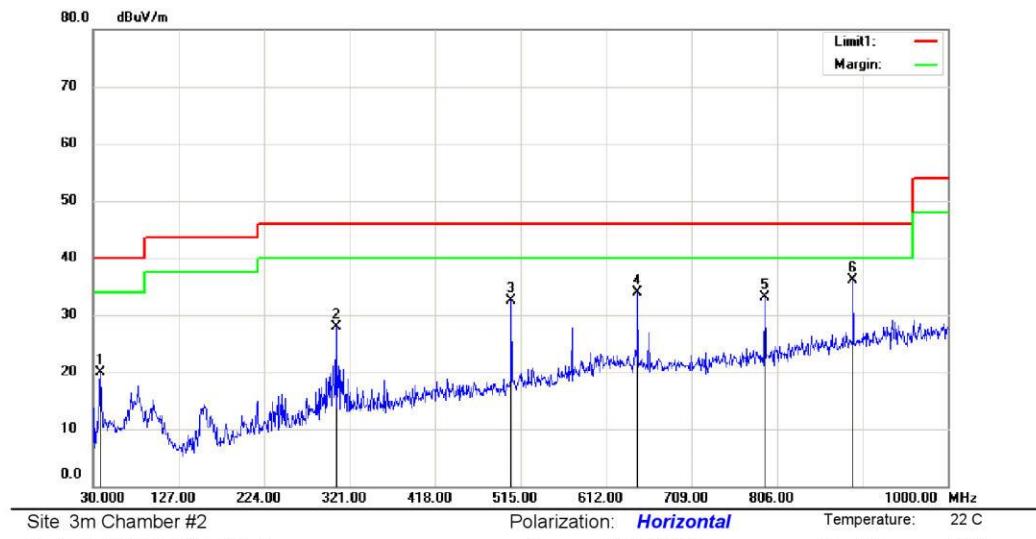


Radiated Emission Measurement

File :TUV 2017

Data :#1726

Date: 2017/07/06



Site 3m Chamber #2

Polarization: **Horizontal**

Temperature: 22 C

Limit: (RE)FCC PART 15 C

Power: AC 120V/60Hz

Humidity: 55 %

EUT: Diving Camera

M/N: Paralenz Camera

Mode:11b 2412

Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	Antenna Height	Table Degree	Comment	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	
1		37.7600	34.90	-14.93	19.97	40.00	-20.03	QP			
2		305.4800	39.15	-11.25	27.90	46.00	-18.10	QP			
3		504.3300	38.80	-6.34	32.46	46.00	-13.54	QP			
4		647.8900	37.04	-3.15	33.89	46.00	-12.11	QP			
5		792.4200	33.91	-0.85	33.06	46.00	-12.94	QP			
6	*	892.3300	35.04	1.05	36.09	46.00	-9.91	QP			

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017 Data :#1726

Page: 1

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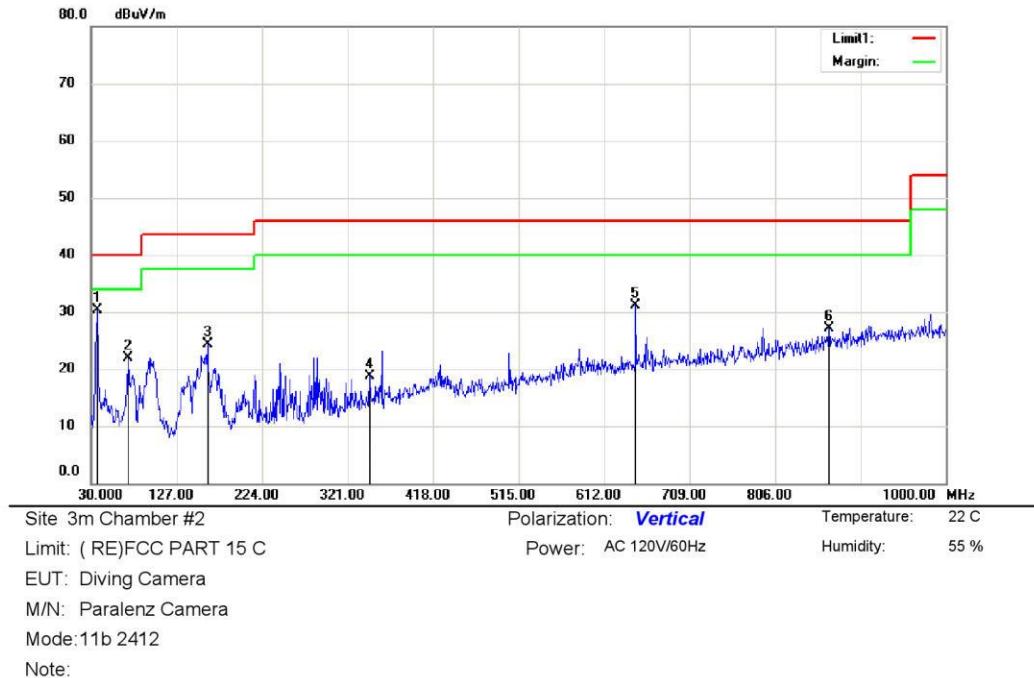

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Radiated Emission Measurement

File : TUV 2017

Data #: 1727

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	36.7900	45.60	-15.37	30.23	40.00	-9.77	QP		
2		71.7100	39.96	-18.05	21.91	40.00	-18.09	QP		
3		161.9200	41.79	-17.49	24.30	43.50	-19.20	QP		
4		346.2200	28.31	-9.70	18.61	46.00	-27.39	QP		
5		647.8900	34.25	-3.15	31.10	46.00	-14.90	QP		
6		867.1100	26.54	0.57	27.11	46.00	-18.89	QP		

*:Maximum data x:Over limit !:over margin

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File : TUV 2017\ Data #: 1727

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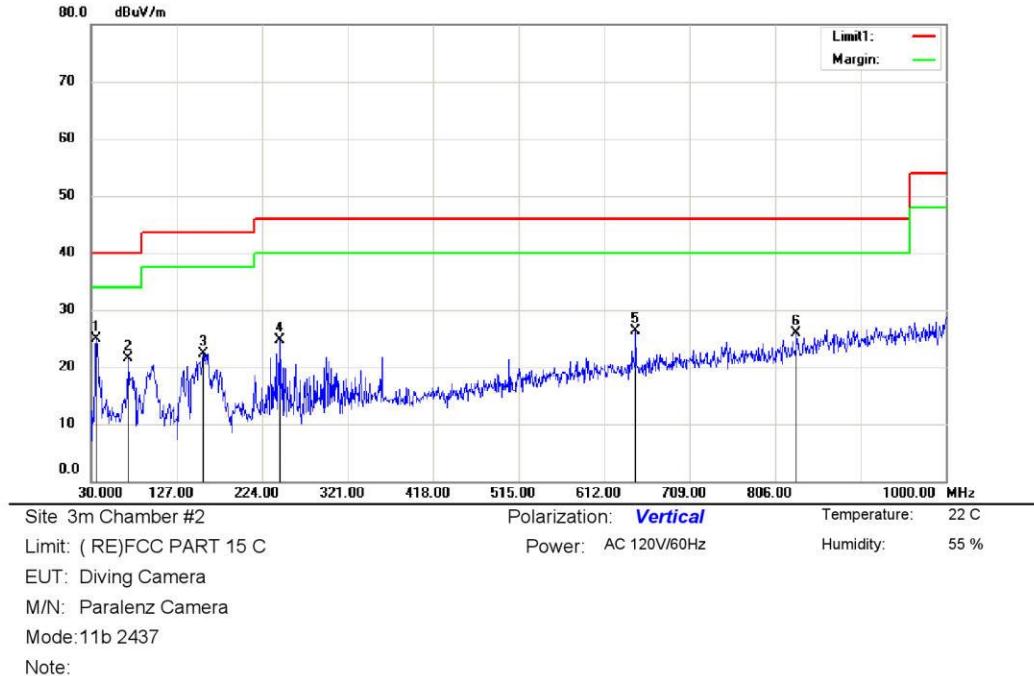

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Radiated Emission Measurement

File :TUV 2017

Data #:1728

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	*	35.8200	40.76	-15.78	24.98	40.00	-15.02	QP			
2		71.7100	39.48	-18.05	21.43	40.00	-18.57	QP			
3		157.0700	40.07	-17.79	22.28	43.50	-21.22	QP			
4		244.3700	37.62	-12.89	24.73	46.00	-21.27	QP			
5		647.8900	29.50	-3.15	26.35	46.00	-19.65	QP			
6		830.2500	26.13	-0.15	25.98	46.00	-20.02	QP			

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data #:1728

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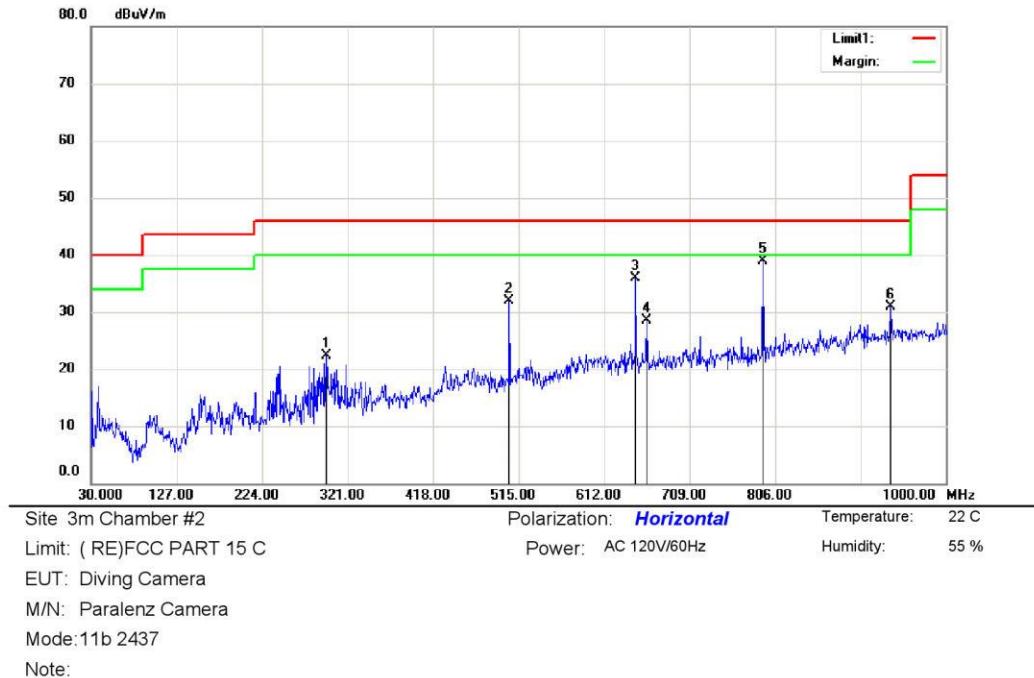

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Radiated Emission Measurement

File : TUV 2017

Data #: 1729

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Detector	Height cm	Table degree	Comment
1		296.7500	33.85	-11.52	22.33	46.00	-23.67	QP			
2		504.3300	38.24	-6.34	31.90	46.00	-14.10	QP			
3		647.8900	39.11	-3.15	35.96	46.00	-10.04	QP			
4		660.5000	31.47	-2.99	28.48	46.00	-17.52	QP			
5 *		792.4200	39.69	-0.85	38.84	46.00	-7.16	QP			
6		936.9500	28.95	1.89	30.84	46.00	-15.16	QP			

*:Maximum data x:Over limit !:over margin

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File : TUV 2017\ Data #: 1729

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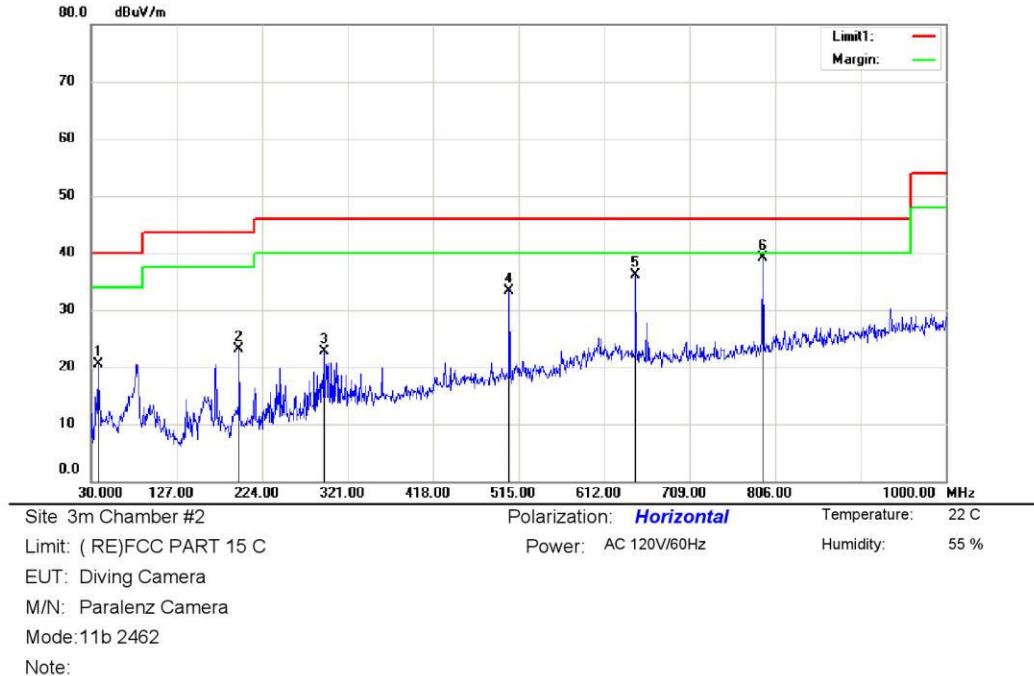

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Radiated Emission Measurement

File :TUV 2017

Data #:1730

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		37.7600	35.42	-14.93	20.49	40.00	-19.51	QP			
2		197.8100	37.60	-14.43	23.17	43.50	-20.33	QP			
3		293.8400	34.34	-11.56	22.78	46.00	-23.22	QP			
4		504.3300	39.66	-6.34	33.32	46.00	-12.68	QP			
5		647.8900	39.20	-3.15	36.05	46.00	-9.95	QP			
6	*	792.4200	40.04	-0.85	39.19	46.00	-6.81	QP			

*:Maximum data x:Over limit !:over margin

Operator: KK

File :TUV 2017\Data #:1730

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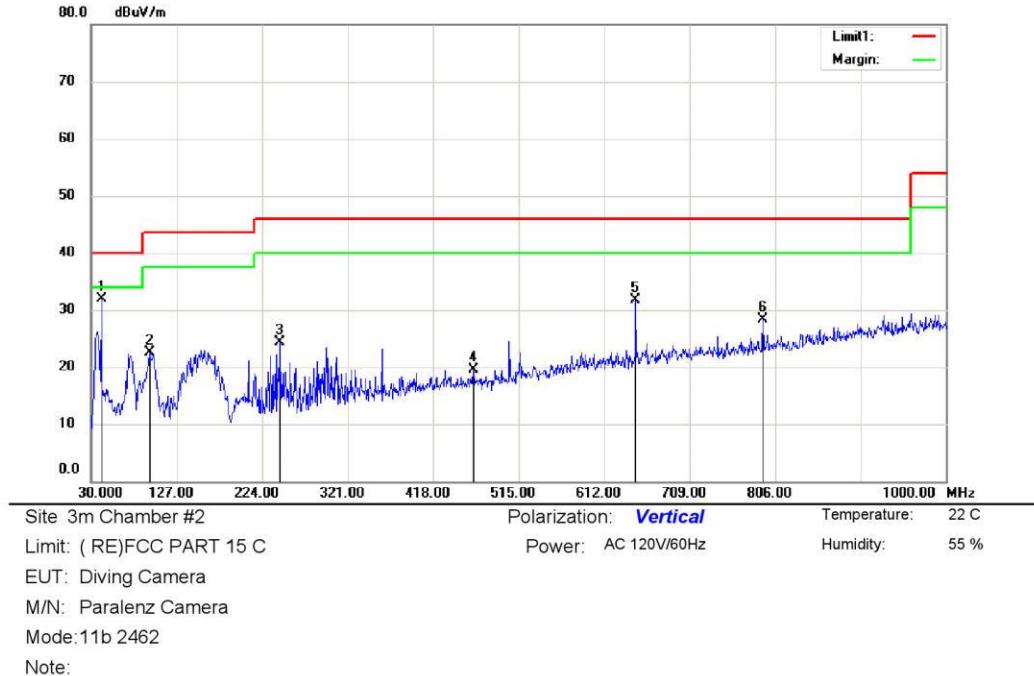

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Radiated Emission Measurement

File : TUV 2017

Data #: 1731

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1	*	41.6400	45.52	-13.61	31.91	40.00	-8.09	QP		
2		95.9600	38.26	-15.70	22.56	43.50	-20.94	QP		
3		244.3700	37.21	-12.89	24.32	46.00	-21.68	QP		
4		463.5900	26.80	-7.30	19.50	46.00	-26.50	QP		
5		647.8900	34.77	-3.15	31.62	46.00	-14.38	QP		
6		792.4200	29.24	-0.85	28.39	46.00	-17.61	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\Data #: 1731

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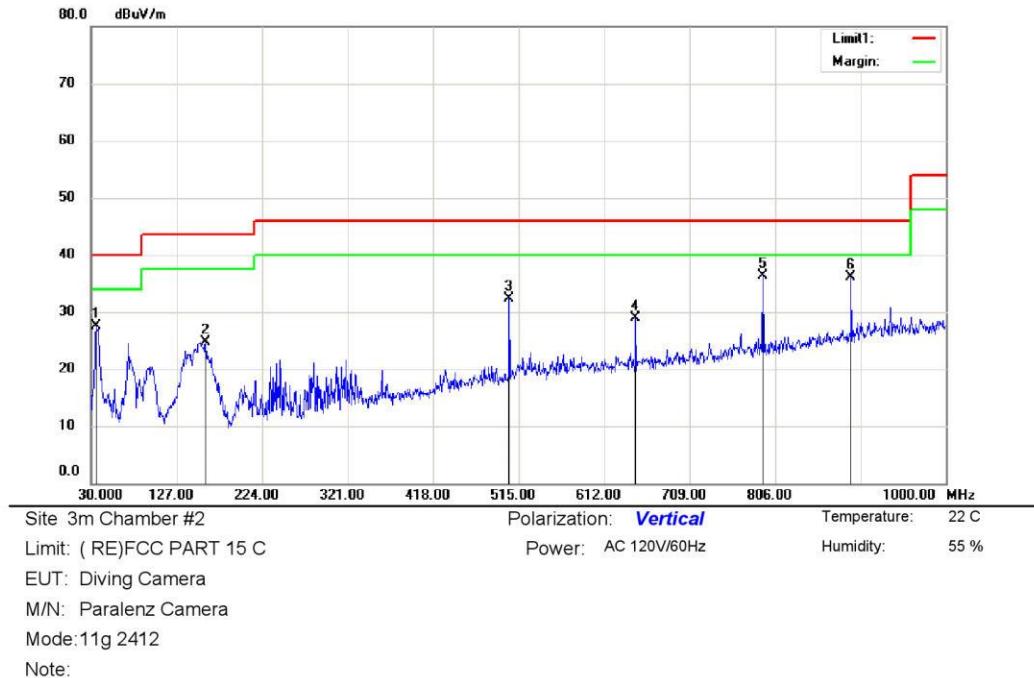

Access to the World

Radiated Emission Measurement

File : TUV 2017

Data #: 1732

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1		35.8200	43.28	-15.78	27.50	40.00	-12.50	QP			
2		159.9800	42.30	-17.56	24.74	43.50	-18.76	QP			
3		504.3300	38.74	-6.34	32.40	46.00	-13.60	QP			
4		647.8900	32.06	-3.15	28.91	46.00	-17.09	QP			
5 *		792.4200	37.11	-0.85	36.26	46.00	-9.74	QP			
6		892.3300	35.02	1.05	36.07	46.00	-9.93	QP			

*:Maximum data x:Over limit !:over margin

Operator: KK

File : TUV 2017\ Data #: 1732

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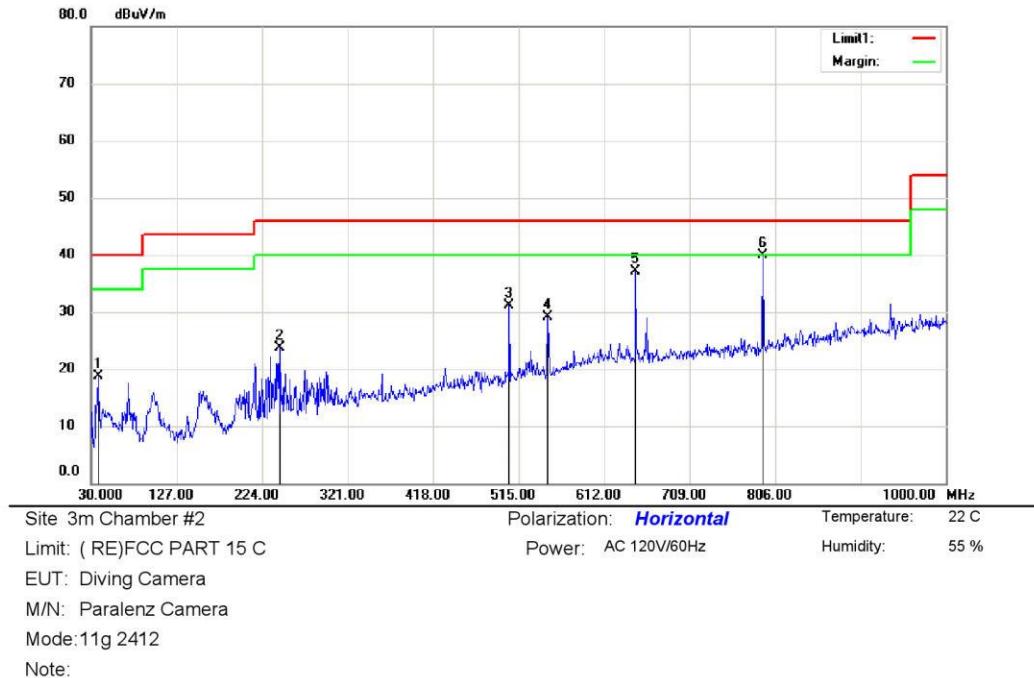

Access to the World

Radiated Emission Measurement

File :TUV 2017

Data #:1733

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree	Comment
1		37.7600	33.63	-14.93	18.70	40.00	-21.30	QP		
2		244.3700	36.68	-12.89	23.79	46.00	-22.21	QP		
3		504.3300	37.51	-6.34	31.17	46.00	-14.83	QP		
4		547.9800	34.25	-5.20	29.05	46.00	-16.95	QP		
5		647.8900	40.23	-3.15	37.08	46.00	-8.92	QP		
6	*	792.4200	40.72	-0.85	39.87	46.00	-6.13	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

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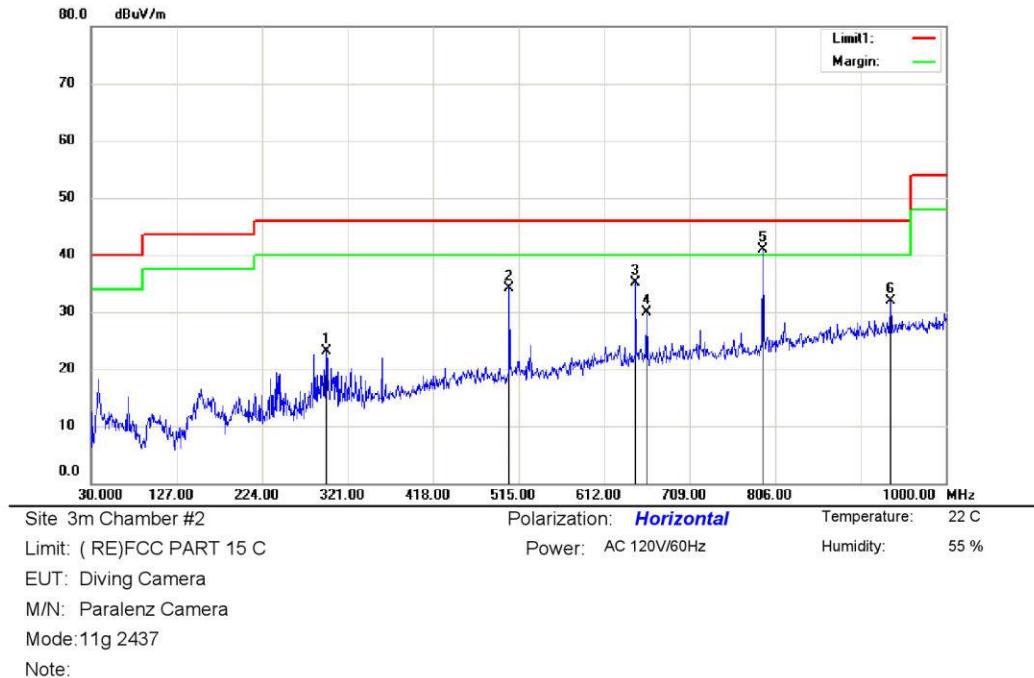

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Radiated Emission Measurement

File :TUV 2017

Data #:1734

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	296.7500	34.66	-11.52	23.14	46.00	-22.86	QP				
2	504.3300	40.53	-6.34	34.19	46.00	-11.81	QP				
3	647.8900	38.34	-3.15	35.19	46.00	-10.81	QP				
4	660.5000	32.81	-2.99	29.82	46.00	-16.18	QP				
5 *	792.4200	41.66	-0.85	40.81	46.00	-5.19	QP				
6	936.9500	29.95	1.89	31.84	46.00	-14.16	QP				

*:Maximum data x:Over limit !:over margin

Operator: KK

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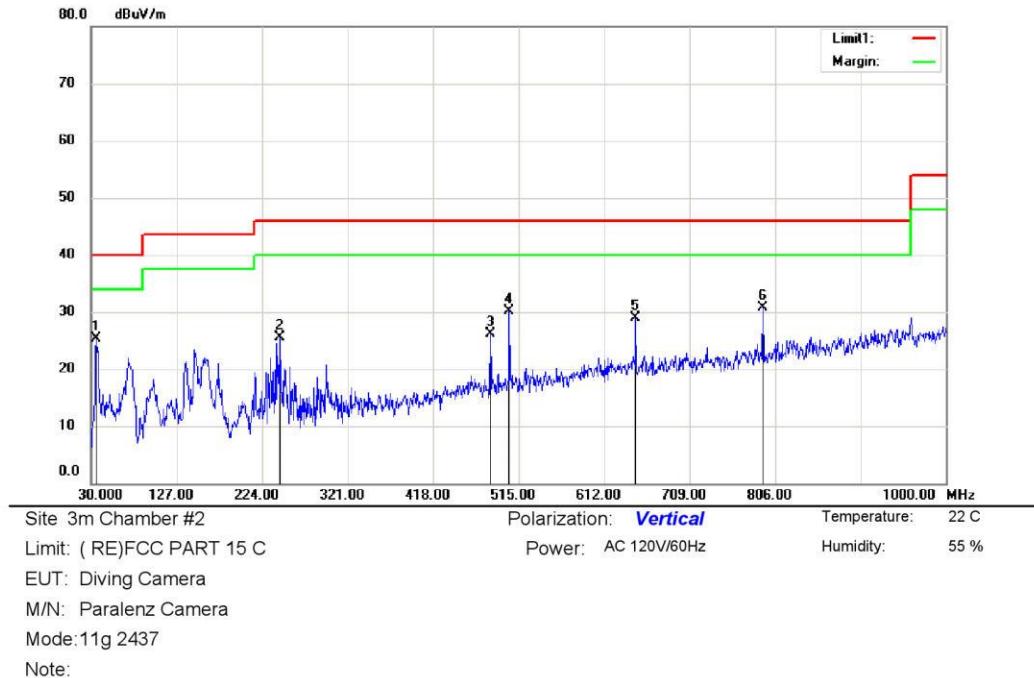

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Radiated Emission Measurement

File :TUV 2017

Data #:1735

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	*	35.8200	41.06	-15.78	25.28	40.00	-14.72	QP			
2		244.3700	38.37	-12.89	25.48	46.00	-20.52	QP			
3		482.9900	32.88	-6.86	26.02	46.00	-19.98	QP			
4		504.3300	36.40	-6.34	30.06	46.00	-15.94	QP			
5		647.8900	32.12	-3.15	28.97	46.00	-17.03	QP			
6		792.4200	31.52	-0.85	30.67	46.00	-15.33	QP			

*:Maximum data x:Over limit !:over margin

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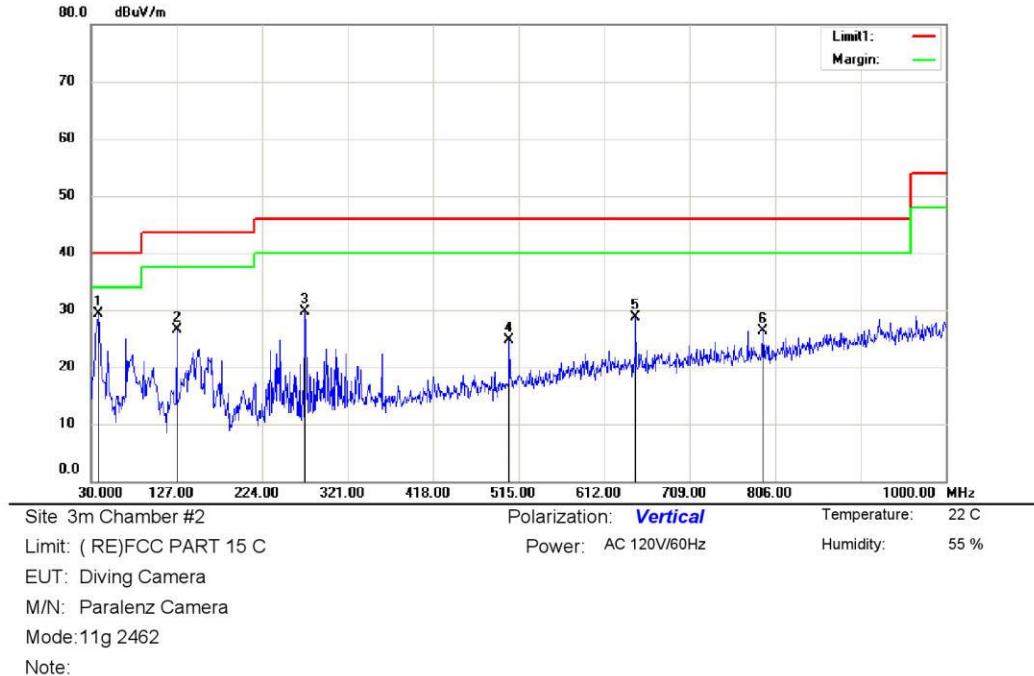

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Radiated Emission Measurement

File :TUV 2017

Data #:1736

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree degree	Comment
1	*	37.7600	44.17	-14.93	29.24	40.00	-10.76	QP			
2		127.0000	44.26	-17.72	26.54	43.50	-16.96	QP			
3		272.5000	41.97	-12.21	29.76	46.00	-16.24	QP			
4		504.3300	30.96	-6.34	24.62	46.00	-21.38	QP			
5		647.8900	31.83	-3.15	28.68	46.00	-17.32	QP			
6		792.4200	27.16	-0.85	26.31	46.00	-19.69	QP			

*:Maximum data x:Over limit !:over margin

Operator: KK

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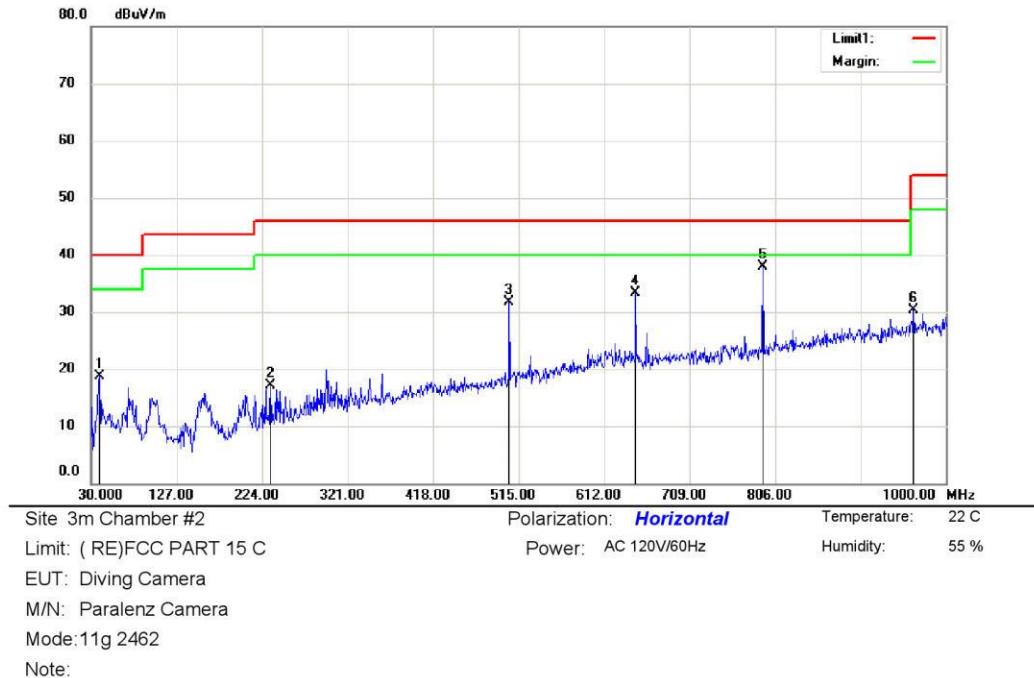

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Radiated Emission Measurement

File :TUV 2017

Data #:1737

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Antenna Height cm	Table Degree	Comment
1		39.7000	33.07	-14.37	18.70	40.00	-21.30	QP			
2		233.7000	30.31	-13.25	17.06	46.00	-28.94	QP			
3		504.3300	38.07	-6.34	31.73	46.00	-14.27	QP			
4		647.8900	36.39	-3.15	33.24	46.00	-12.76	QP			
5 *		792.4200	38.76	-0.85	37.91	46.00	-8.09	QP			
6		963.1400	27.91	2.41	30.32	54.00	-23.68	QP			

*:Maximum data x:Over limit !:over margin

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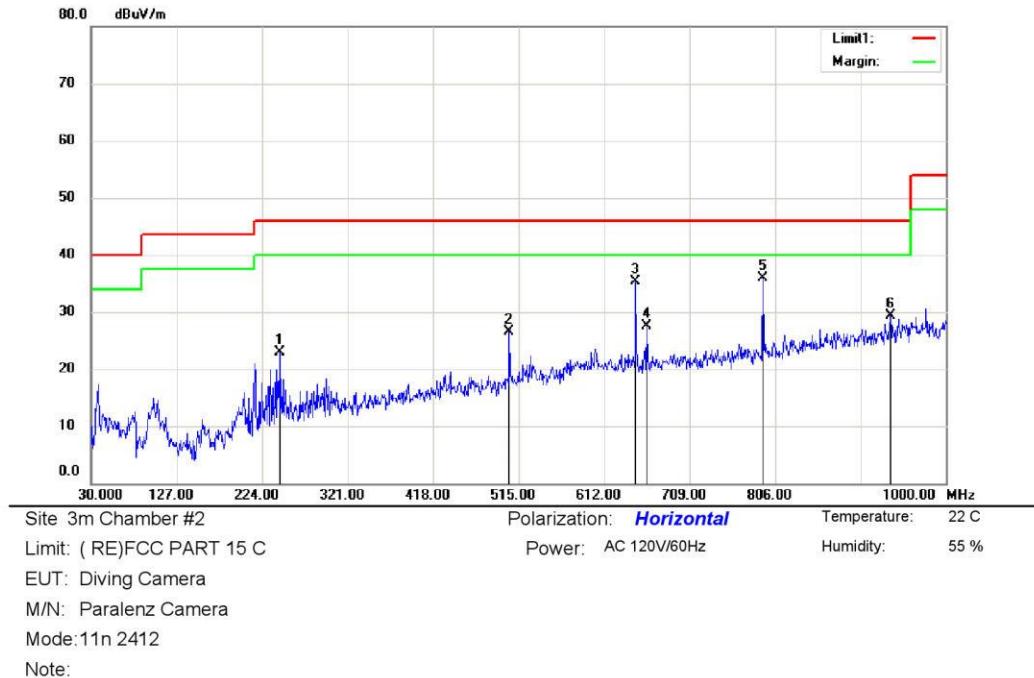

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Radiated Emission Measurement

File :TUV 2017

Data #:1738

Date: 2017/07/06



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Antenna Height cm	Table Degree degree	Comment
1		244.3700	35.70	-12.89	22.81	46.00	-23.19	QP		
2		504.3300	32.92	-6.34	26.58	46.00	-19.42	QP		
3		647.8900	38.37	-3.15	35.22	46.00	-10.78	QP		
4		660.5000	30.47	-2.99	27.48	46.00	-18.52	QP		
5	*	792.4200	36.83	-0.85	35.98	46.00	-10.02	QP		
6		936.9500	27.34	1.89	29.23	46.00	-16.77	QP		

*:Maximum data x:Over limit !:over margin

Operator: KK

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