ACCURATE TECHNOLOGY CO., LTD.
F1,Bldg,A,Changyuan New Material Port Keyuan Rd,
Science & Industry Park,Nanshan Shenzhen,P.R.China
Site: 1# Chamber
Tel:+86-0755-26503290
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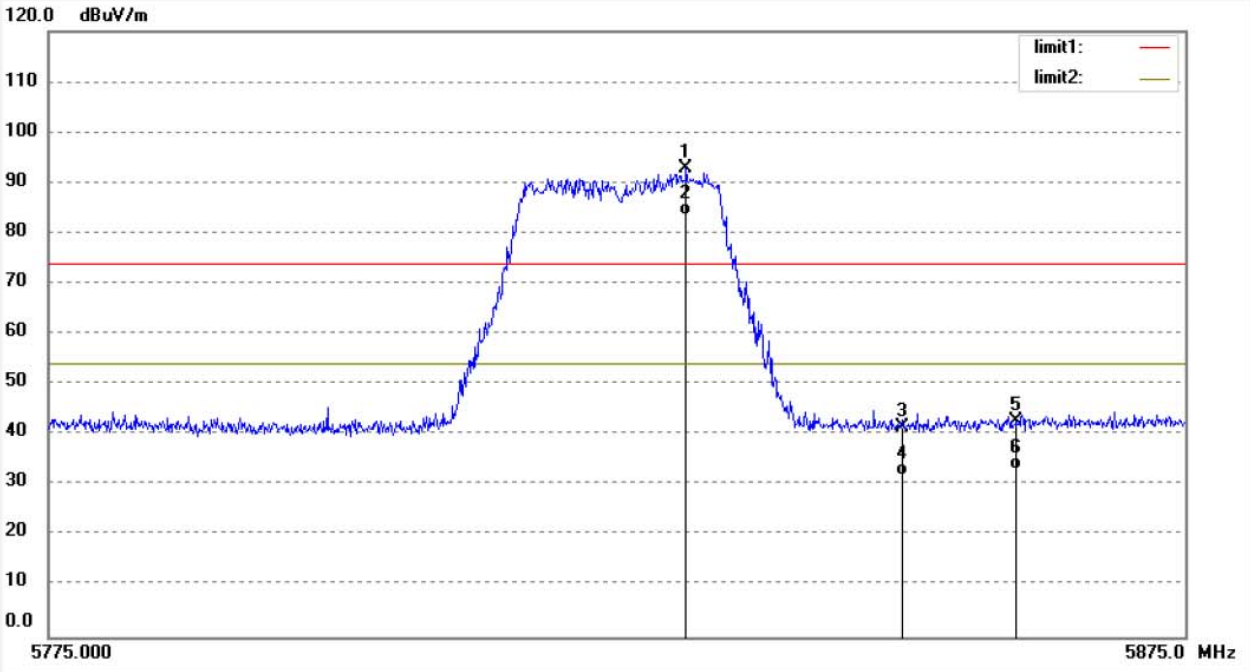
Job No.: star2017 #1004	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/13/08
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 165-N 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5830.901	89.96	2.90	92.86			peak	150	335	
2	5830.901	80.57	2.90	83.47			AVG	150	247	
3	5850.000	38.70	2.93	41.63	74.00	-32.37	peak	150	188	
4	5850.000	29.00	2.93	31.93	54.00	-22.07	AVG	150	126	
5	5860.000	39.82	2.95	42.77	74.00	-31.23	peak	150	124	
6	5860.000	30.17	2.95	33.12	54.00	-20.88	AVG	150	77	

Test mode: 802.11ac 20MHz TX Frequency: 5180MHz, 5240MHz, 5745MHz, 5825MHz

The EUT is tested Radiated Band Edge at each test mode in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots

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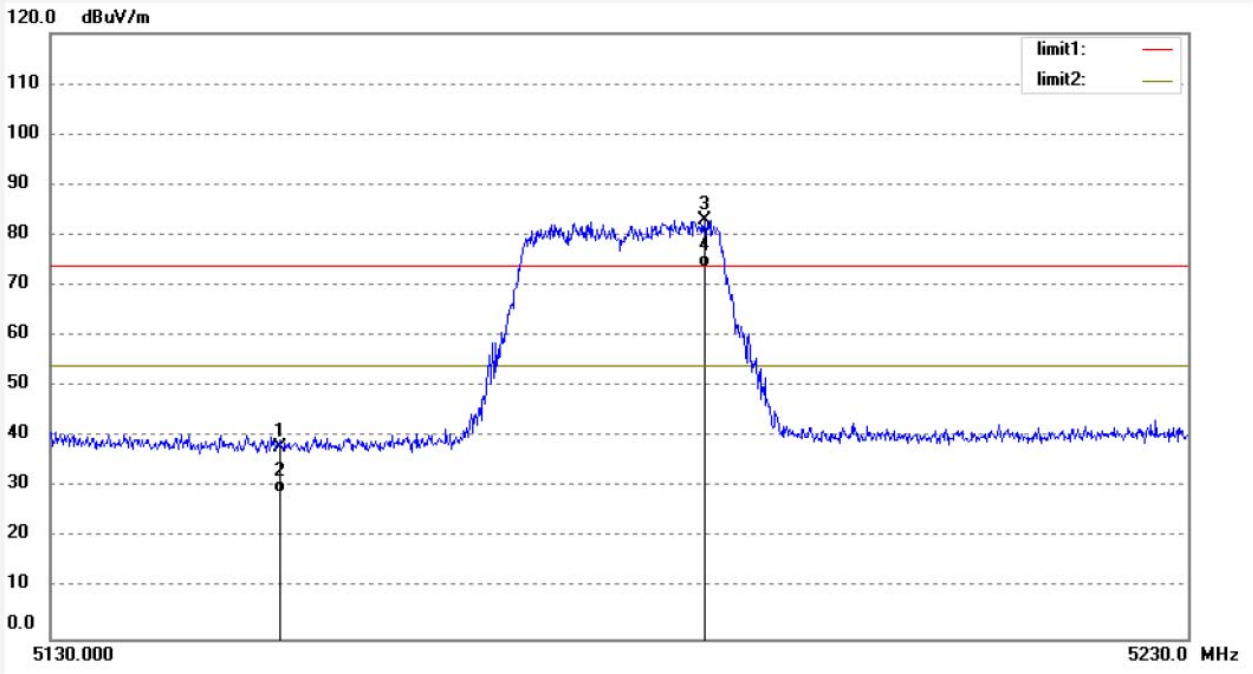
Job No.: star2017 #1006	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/16/20
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 36-AC 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	35.85	2.04	37.89	74.00	-36.11	peak	200	74	
2	5150.000	26.91	2.04	28.95	54.00	-25.05	AVG	200	142	
3	5187.279	80.98	2.08	83.06			peak	200	139	
4	5187.279	71.54	2.08	73.62			AVG	200	256	

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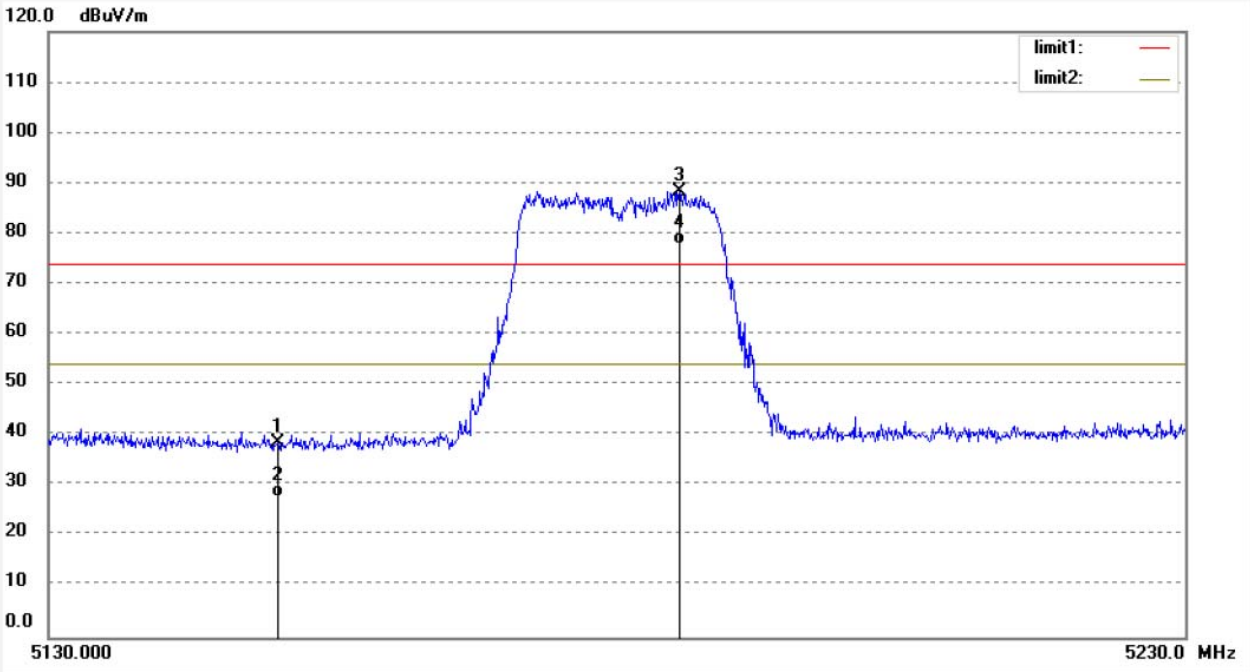
Job No.: star2017 #1007	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/17/09
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 36-AC 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	36.40	2.04	38.44	74.00	-35.56	peak	150	271	
2	5150.000	25.77	2.04	27.81	54.00	-26.19	AVG	150	125	
3	5185.273	86.35	2.08	88.43			peak	150	245	
4	5185.273	75.69	2.08	77.77			AVG	150	347	

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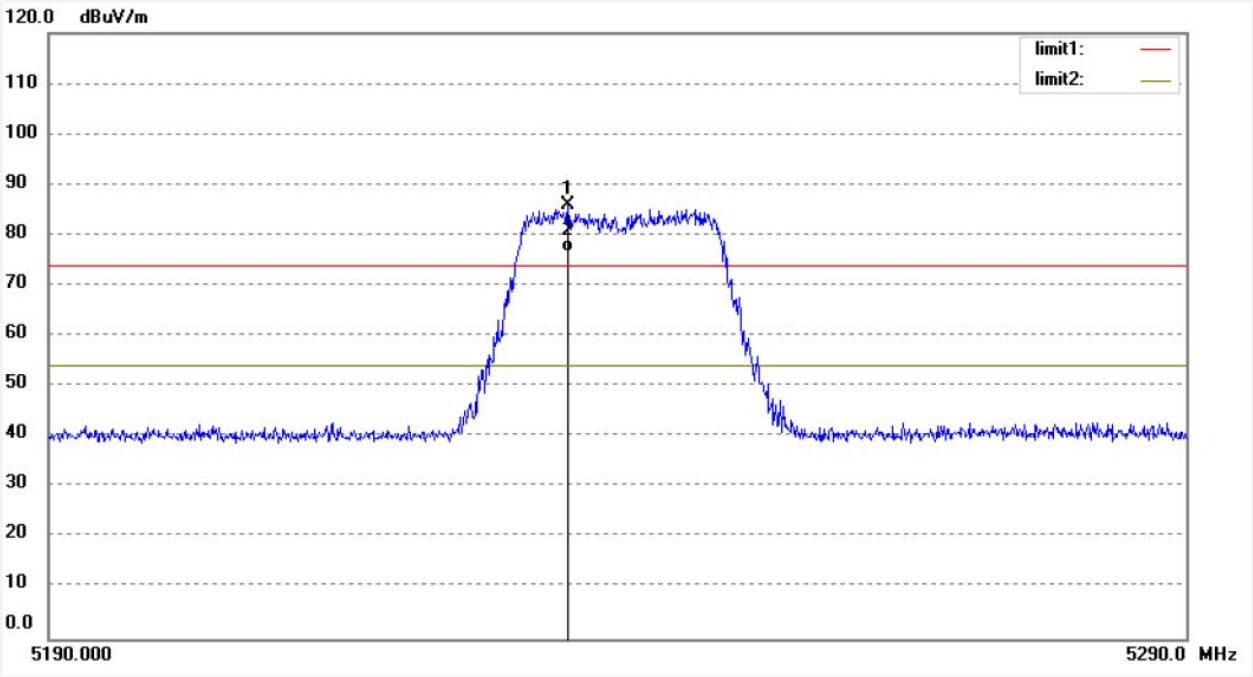
Job No.: star2017 #1009	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/19/19
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 48-AC 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5235.455	83.69	2.14	85.83			peak	200	327	
2	5235.455	74.41	2.14	76.55			AVG	200	311	

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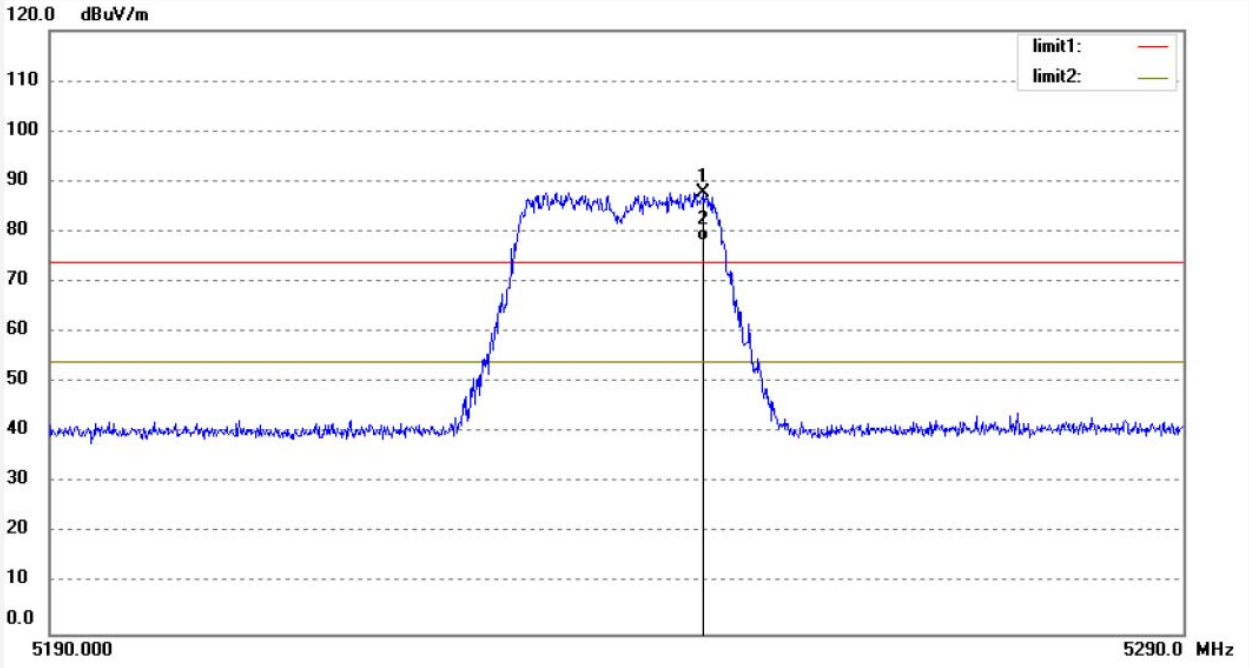
Job No.: star2017 #1008	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/18/35
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 48-AC 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5247.482	85.69	2.16	87.85			peak	150	272	
2	5247.482	76.08	2.16	78.24			AVG	150	199	

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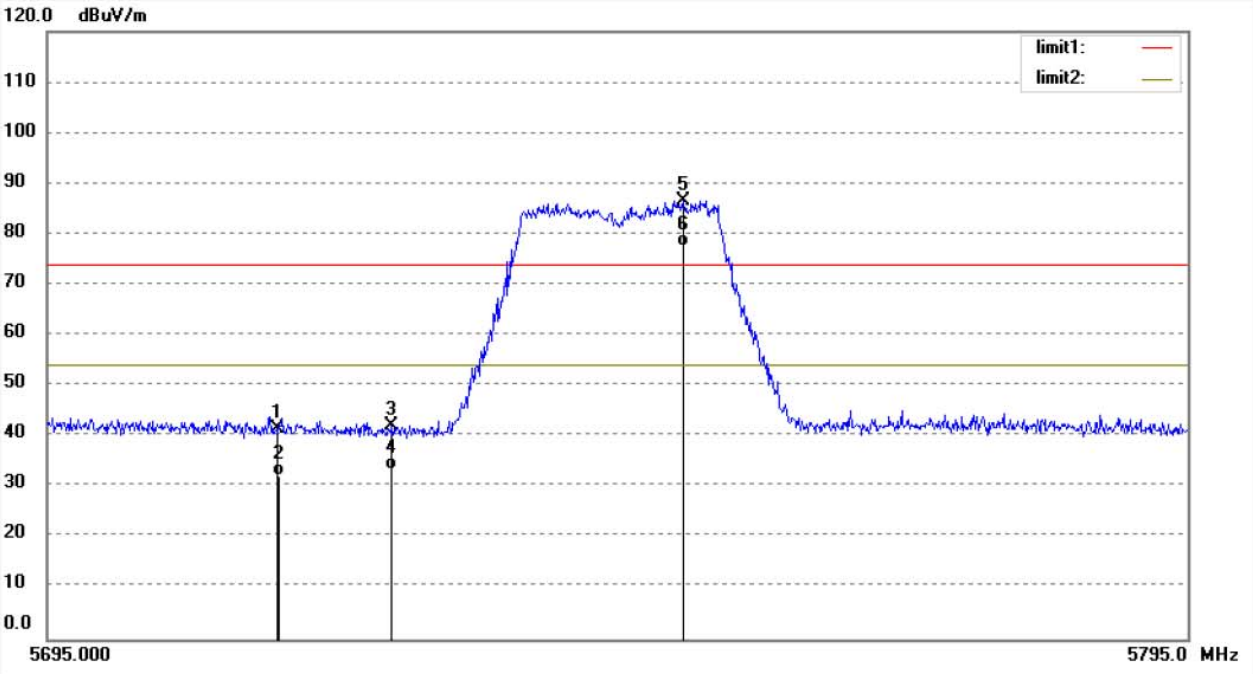
Job No.: star2017 #1010	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/20/46
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 149-AC 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	38.84	2.74	41.58	74.00	-32.42	peak	200	206	
2	5715.000	29.47	2.74	32.21	54.00	-21.79	AVG	200	157	
3	5725.000	39.28	2.75	42.03	74.00	-31.97	peak	200	154	
4	5725.000	30.65	2.75	33.40	54.00	-20.60	AVG	200	115	
5	5750.597	83.87	2.79	86.66			peak	200	102	
6	5750.597	74.62	2.79	77.41			AVG	200	67	

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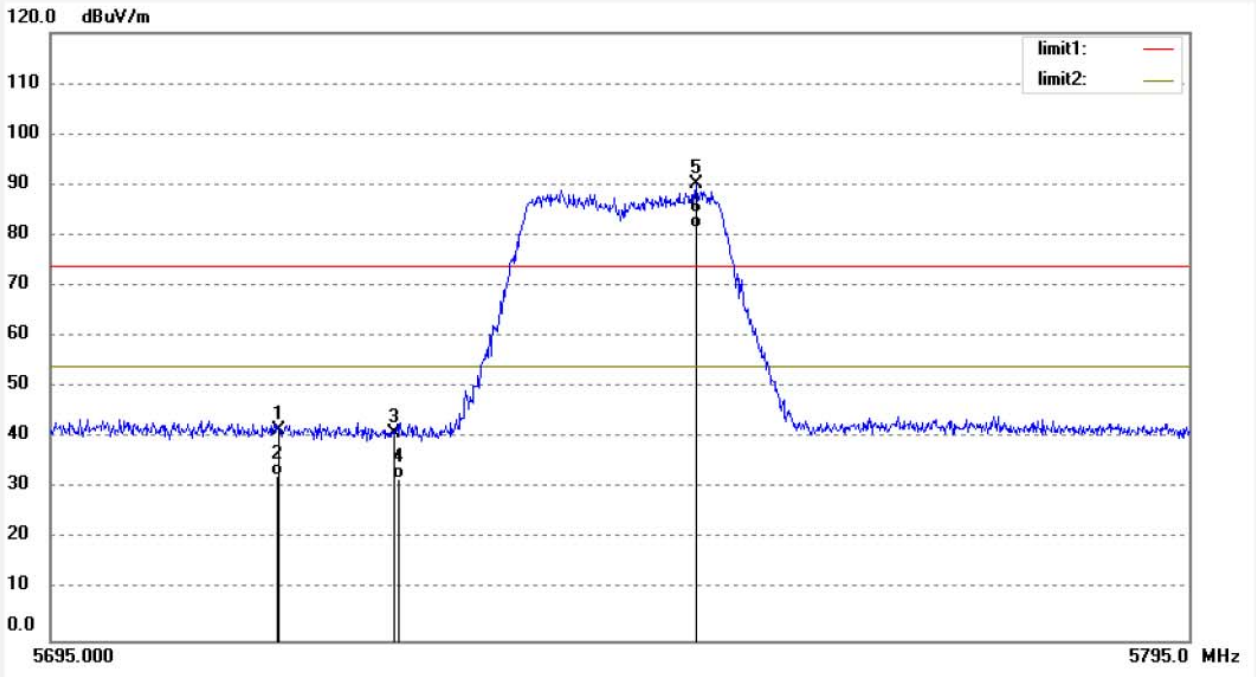
Job No.: star2017 #1011	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/21/34
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 149-AC 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	38.92	2.74	41.66	74.00	-32.34	peak	150	289	
2	5715.000	29.77	2.74	32.51	54.00	-21.49	AVG	150	300	
3	5725.000	38.07	2.75	40.82	74.00	-33.18	peak	150	265	
4	5725.000	29.14	2.75	31.89	54.00	-22.11	AVG	150	177	
5	5751.500	87.27	2.79	90.06			peak	150	204	
6	5751.500	78.64	2.79	81.43			AVG	150	147	

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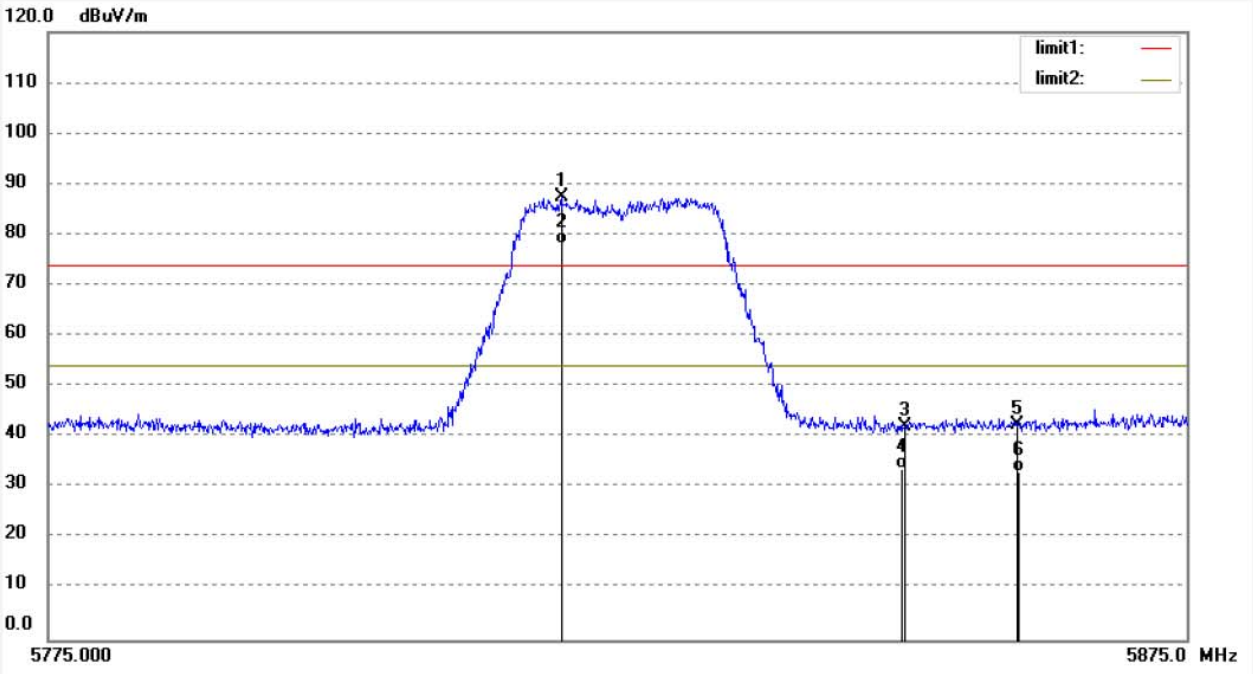
Job No.: star2017 #1013	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/24/10
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 165-AC 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5819.878	84.49	2.89	87.38			peak	200	157	
2	5819.878	75.28	2.89	78.17			AVG	200	165	
3	5850.000	39.27	2.93	42.20	74.00	-31.80	peak	200	200	
4	5850.000	30.69	2.93	33.62	54.00	-20.38	AVG	200	186	
5	5860.000	39.39	2.95	42.34	74.00	-31.66	peak	200	180	
6	5860.000	30.22	2.95	33.17	54.00	-20.83	AVG	200	174	

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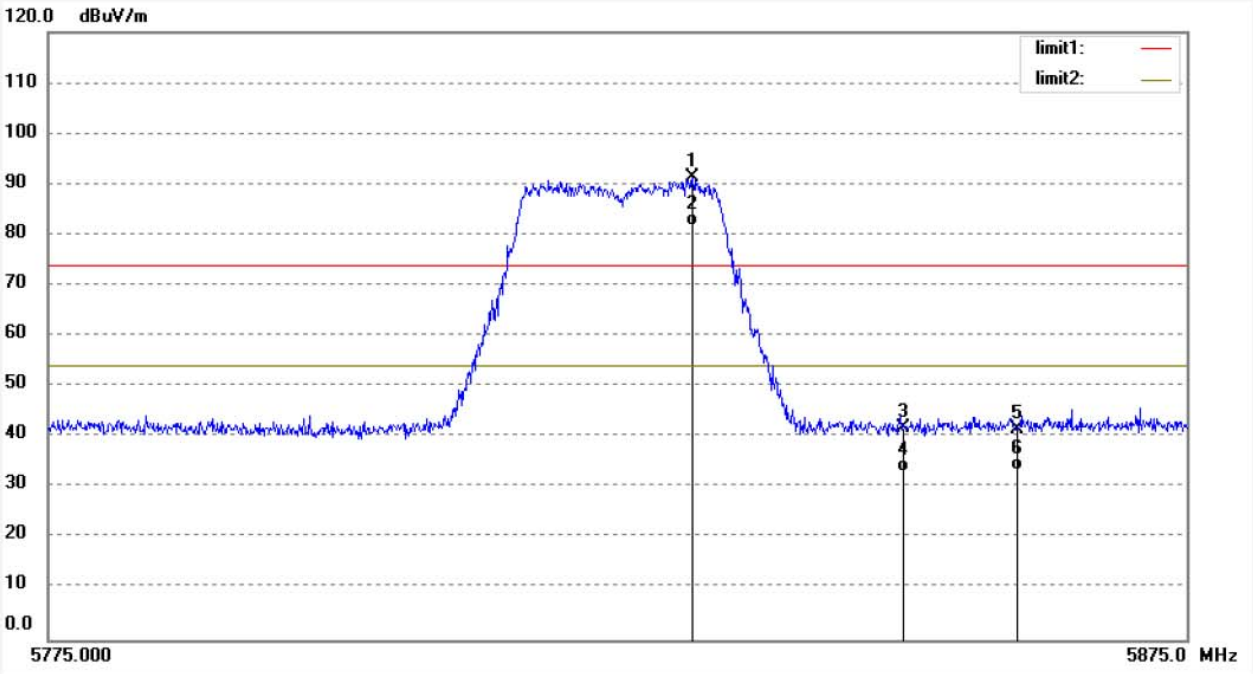
Job No.: star2017 #1012	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/23/02
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 165-AC 20MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5831.402	88.35	2.90	91.25			peak	150	245	
2	5831.402	78.95	2.90	81.85			AVG	150	107	
3	5850.000	38.97	2.93	41.90	74.00	-32.10	peak	150	100	
4	5850.000	30.14	2.93	33.07	54.00	-20.93	AVG	150	35	
5	5860.000	38.71	2.95	41.66	74.00	-32.34	peak	150	207	
6	5860.000	30.47	2.95	33.42	54.00	-20.58	AVG	150	241	

Test mode: 802.11N 40MHz TX Frequency: 5190MHz, 5230MHz, 5755MHz, 5795MHz

The EUT is tested Radiated Band Edge at each test mode in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots

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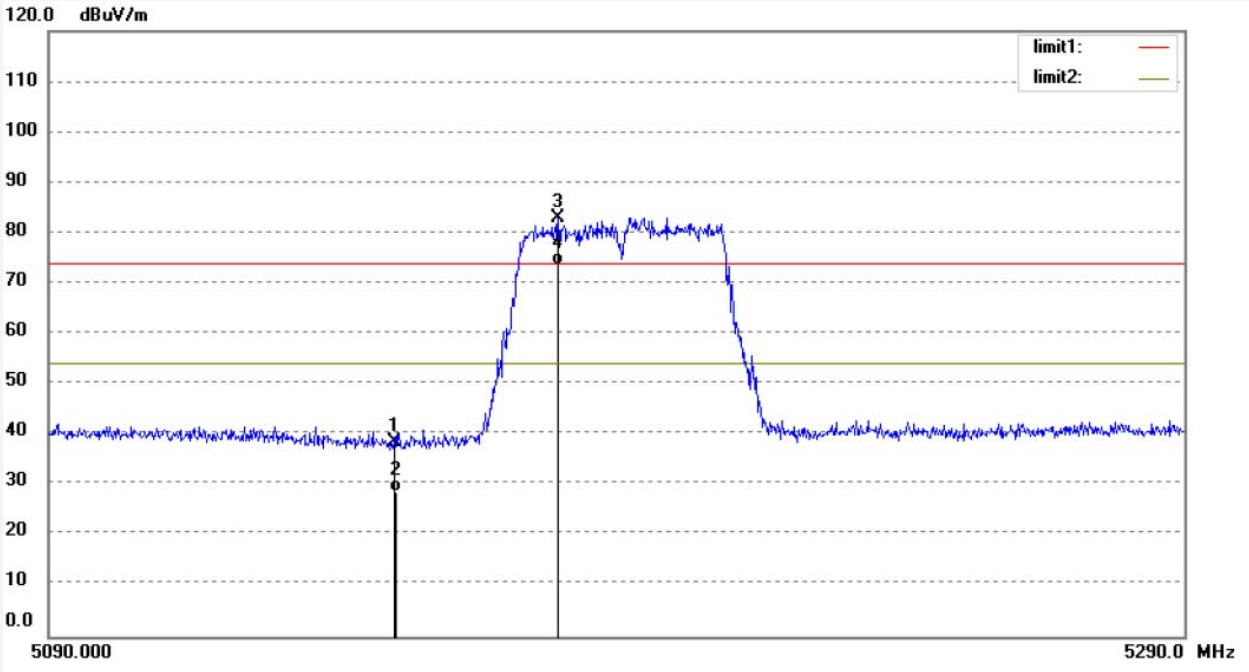
Job No.: star2017 #1014	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/28/17
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 38-N 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	36.41	2.04	38.45	74.00	-35.55	peak	200	107	
2	5150.000	26.59	2.04	28.63	54.00	-25.37	AVG	200	124	
3	5178.827	80.94	2.07	83.01			peak	200	144	
4	5178.827	71.59	2.07	73.66			AVG	200	256	

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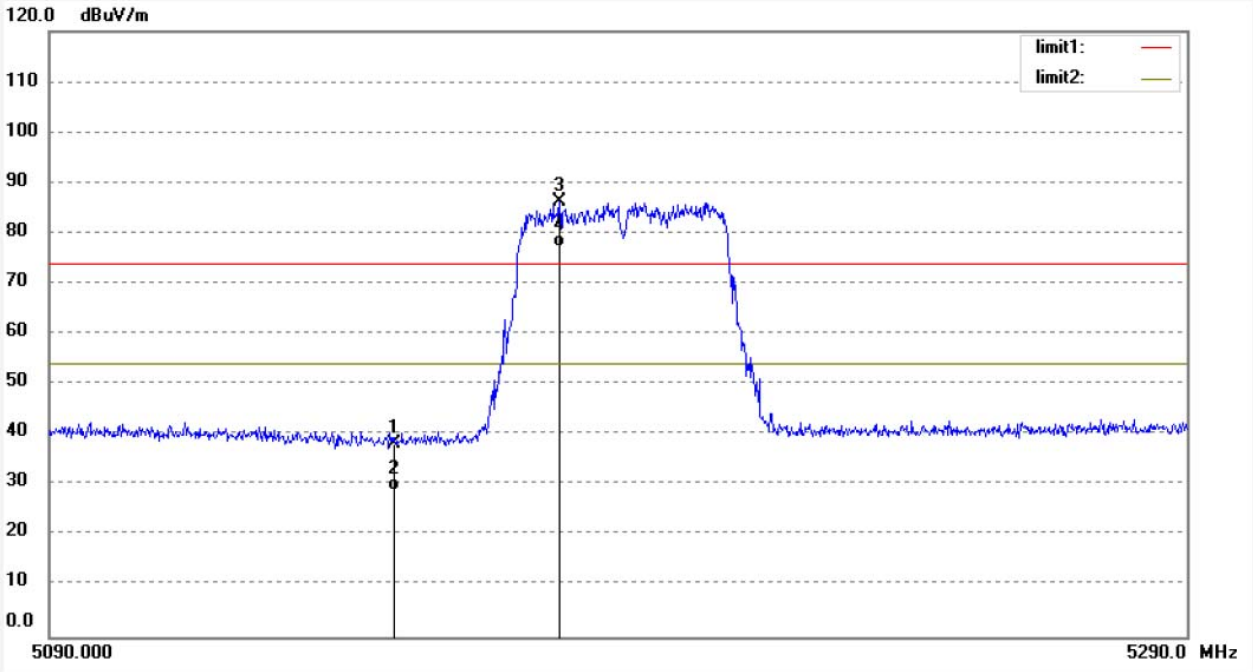
Job No.: star2017 #1015	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/29/39
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 38-N 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	36.31	2.04	38.35	74.00	-35.65	peak	150	209	
2	5150.000	26.97	2.04	29.01	54.00	-24.99	AVG	150	127	
3	5178.827	84.17	2.07	86.24			peak	150	277	
4	5178.827	75.10	2.07	77.17			AVG	150	74	

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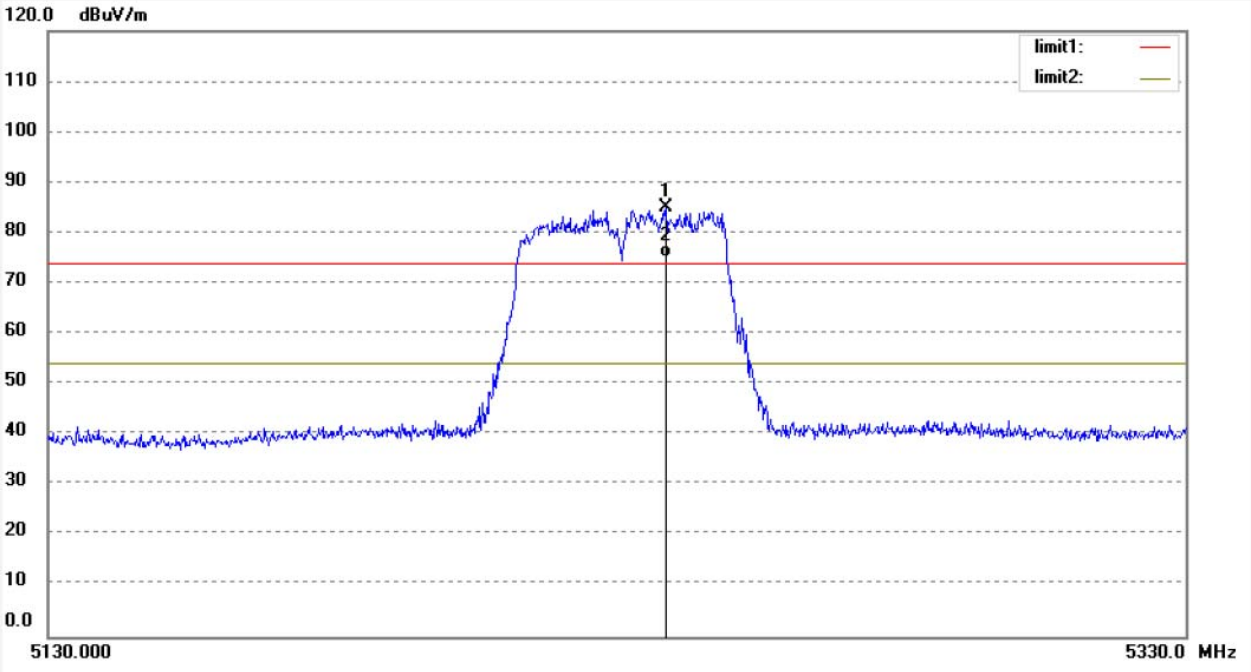
Job No.: star2017 #1017	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/35/32
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 46-N 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5237.668	82.94	2.14	85.08			peak	200	314	
2	5237.668	73.11	2.14	75.25			AVG	200	308	

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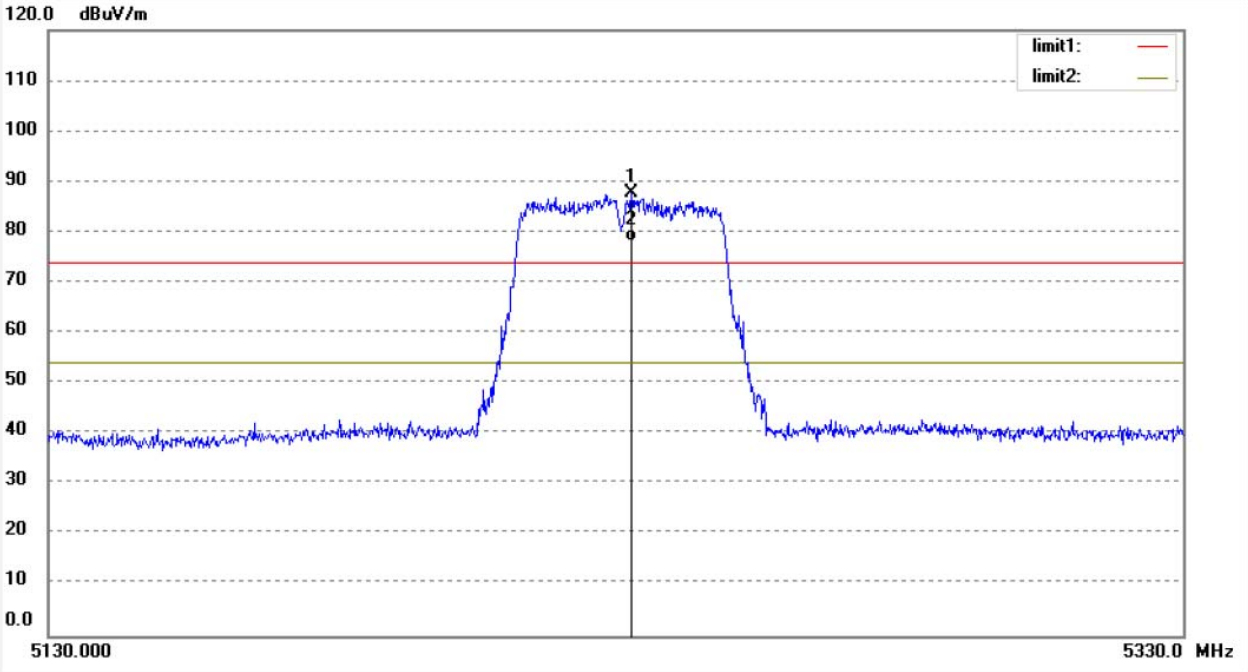
Job No.: star2017 #1016	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/34/37
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 46-N 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5231.850	85.51	2.13	87.64			peak	150	89	
2	5231.850	76.00	2.13	78.13			AVG	150	12	

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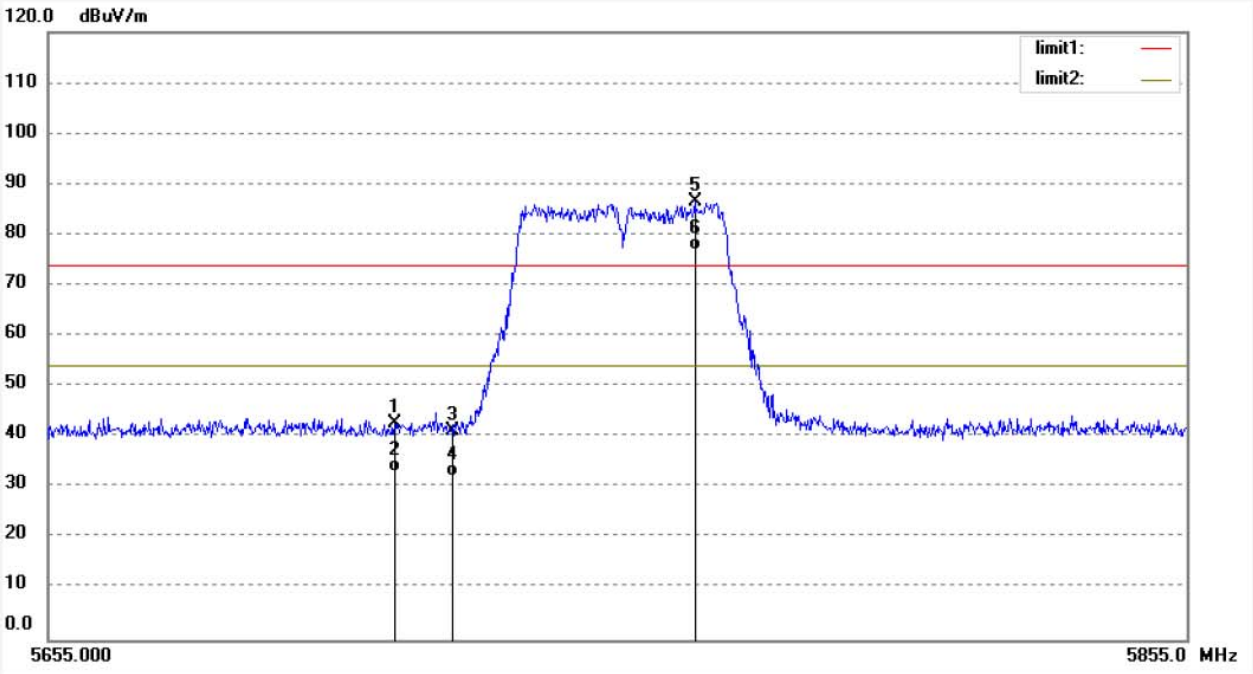
Job No.: star2017 #1018	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/36/56
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 151-N 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	39.88	2.74	42.62	74.00	-31.38	peak	200	204	
2	5715.000	30.52	2.74	33.26	54.00	-20.74	AVG	200	189	
3	5725.000	38.58	2.75	41.33	74.00	-32.67	peak	200	199	
4	5725.000	29.62	2.75	32.37	54.00	-21.63	AVG	200	214	
5	5767.774	83.69	2.82	86.51			peak	200	267	
6	5767.774	74.17	2.82	76.99			AVG	200	300	

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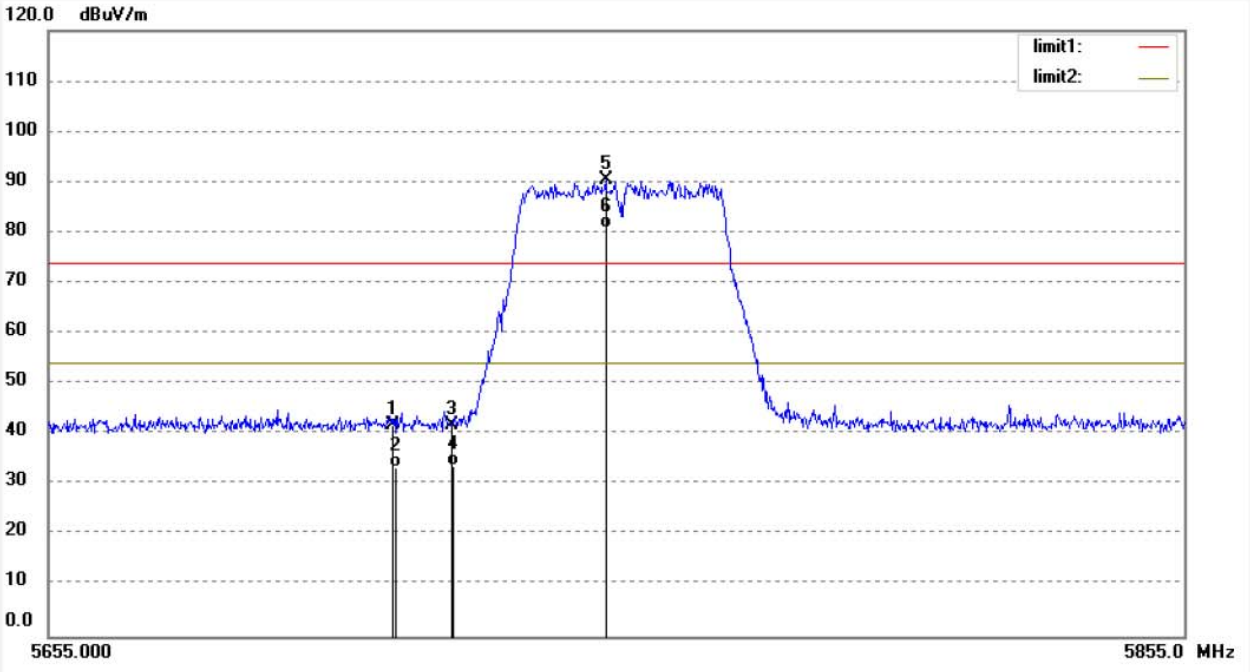
Job No.: star2017 #1019	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/37/50
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 151-N 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	39.20	2.74	41.94	74.00	-32.06	peak	150	200	
2	5715.000	30.79	2.74	33.53	54.00	-20.47	AVG	150	182	
3	5725.000	39.16	2.75	41.91	74.00	-32.09	peak	150	147	
4	5725.000	30.85	2.75	33.60	54.00	-20.40	AVG	150	344	
5	5752.328	87.74	2.79	90.53			peak	150	254	
6	5752.328	78.14	2.79	80.93			AVG	150	167	

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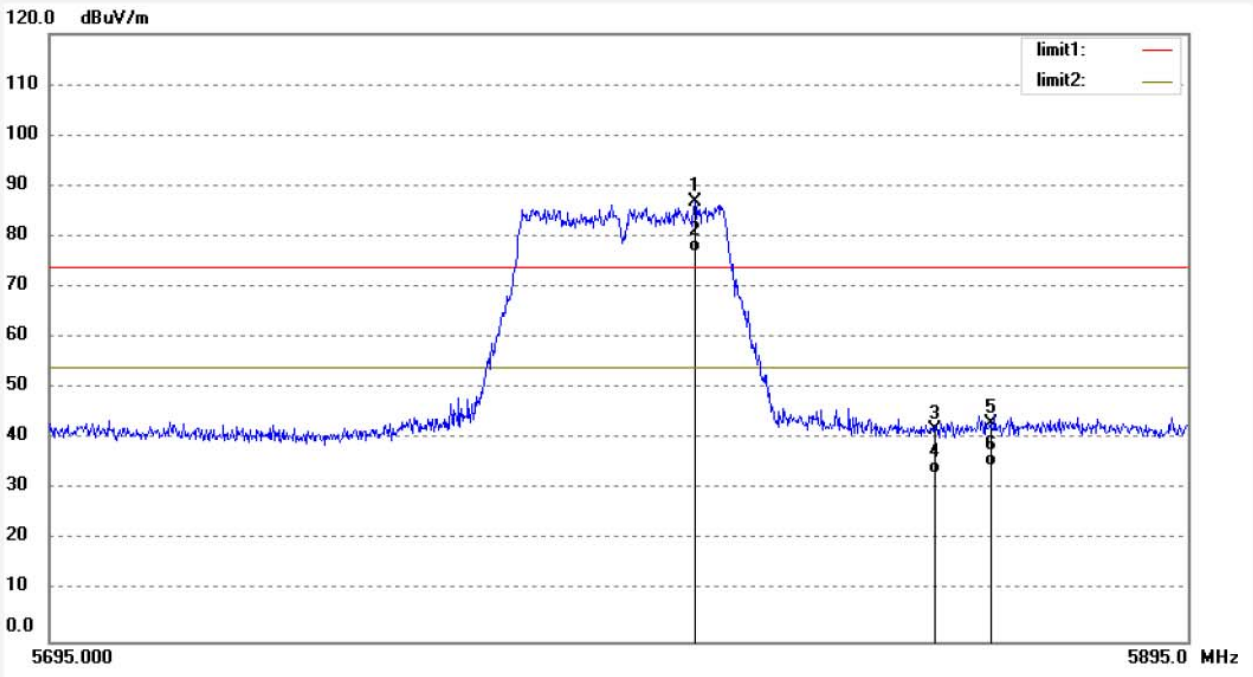
Job No.: star2017 #1021
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: WiFi module
Mode: TX Channel 159-N 40MHz
Model: WPC0GR2231R
Manufacturer: Prima

Polarization: Horizontal
Power Source: DC 12V
Date: 17/10/17/
Time: 9/40/36
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5807.579	83.86	2.87	86.73			peak	200	189	
2	5807.579	74.19	2.87	77.06			AVG	200	300	
3	5850.000	38.95	2.93	41.88	74.00	-32.12	peak	200	264	
4	5850.000	30.08	2.93	33.01	54.00	-20.99	AVG	200	147	
5	5860.000	40.05	2.95	43.00	74.00	-31.00	peak	200	54	
6	5860.000	31.77	2.95	34.72	54.00	-19.28	AVG	200	142	

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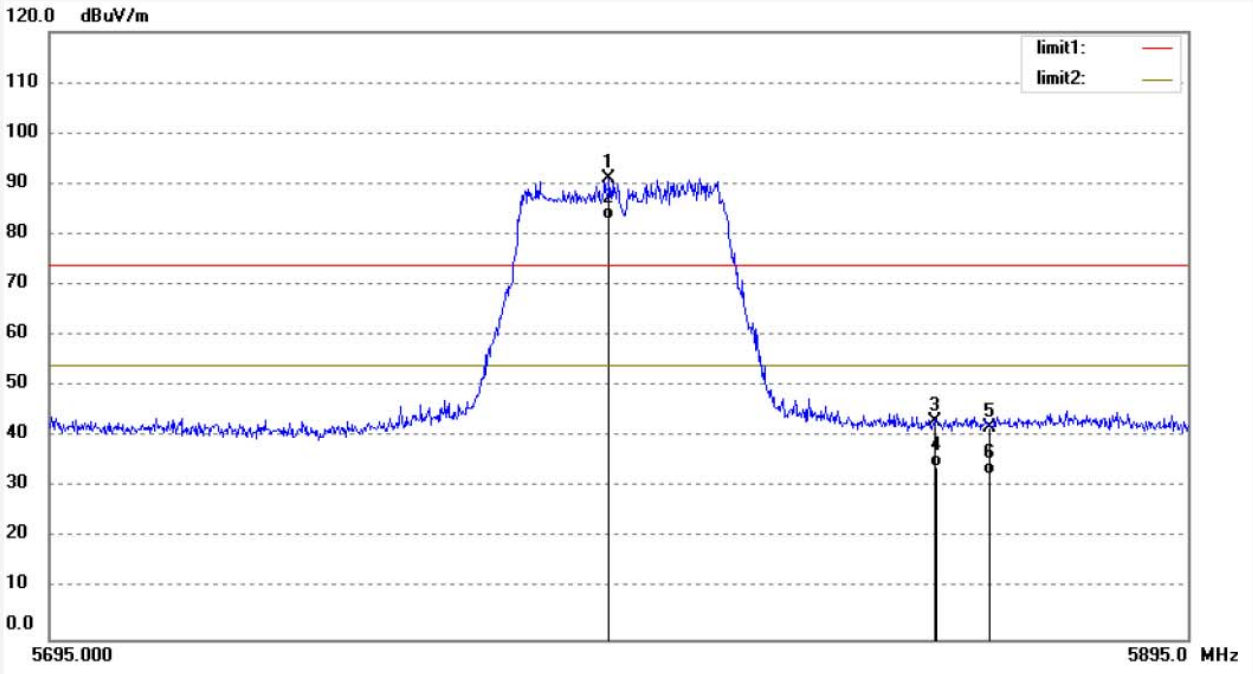
Job No.: star2017 #1020
Standard: FCC PK
Test item: Radiation Test
Temp.(C)/Hum.(%) 25 C / 55 %
EUT: WiFi module
Mode: TX Channel 159-N 40MHz
Model: WPC0GR2231R
Manufacturer: Prima

Polarization: Vertical
Power Source: DC 12V
Date: 17/10/17/
Time: 9/39/54
Engineer Signature: star
Distance: 3m

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5792.534	88.15	2.85	91.00			peak	150	54	
2	5792.534	80.00	2.85	82.85			AVG	150	251	
3	5850.000	40.02	2.93	42.95	74.00	-31.05	peak	150	341	
4	5850.000	31.14	2.93	34.07	54.00	-19.93	AVG	150	120	
5	5860.000	38.80	2.95	41.75	74.00	-32.25	peak	150	78	
6	5860.000	29.57	2.95	32.52	54.00	-21.48	AVG	150	145	

Test mode: 802.11ac 40MHz TX Frequency: 5190MHz, 5230MHz, 5755MHz, 5795MHz

The EUT is tested Radiated Band Edge at each test mode in three axes. Besides, We have tested the single antenna transmit mode and the dual antenna emission mode. The worst emissions are reflected in the following plots

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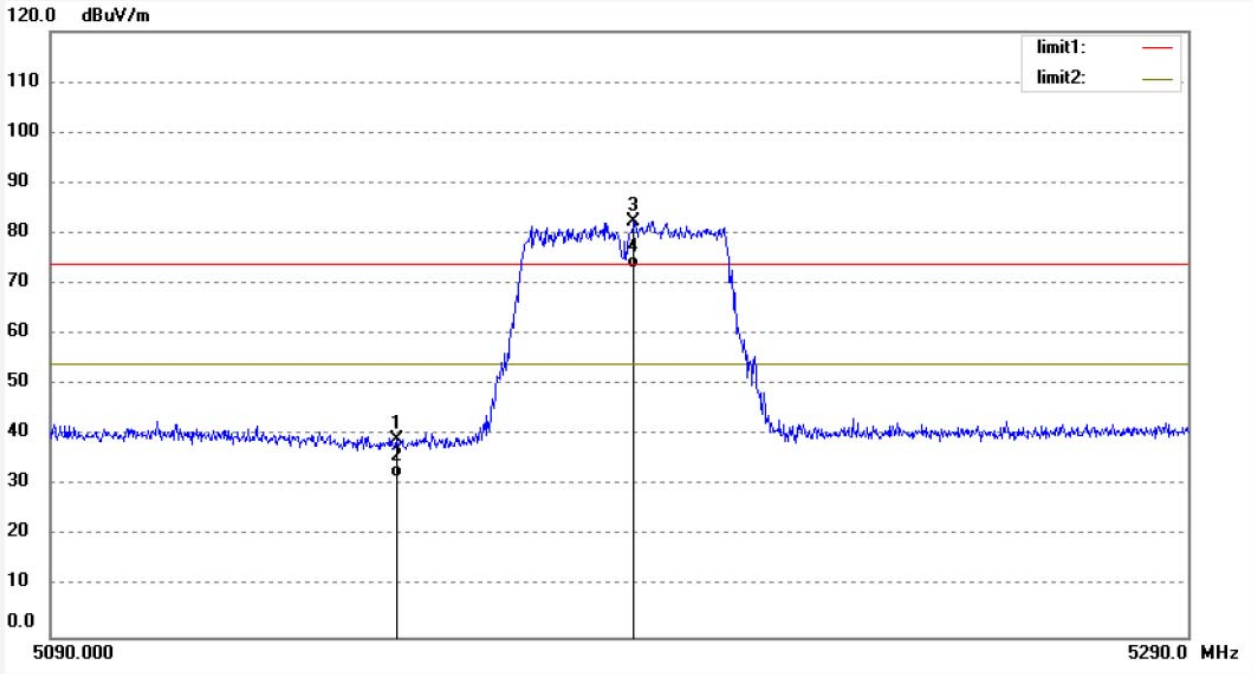
Job No.: star2017 #1022	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/42/14
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 38-AC 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	37.08	2.04	39.12	74.00	-34.88	peak	200	354	
2	5150.000	29.66	2.04	31.70	54.00	-22.30	AVG	200	300	
3	5191.642	80.28	2.09	82.37			peak	200	256	
4	5191.642	71.09	2.09	73.18			AVG	200	237	

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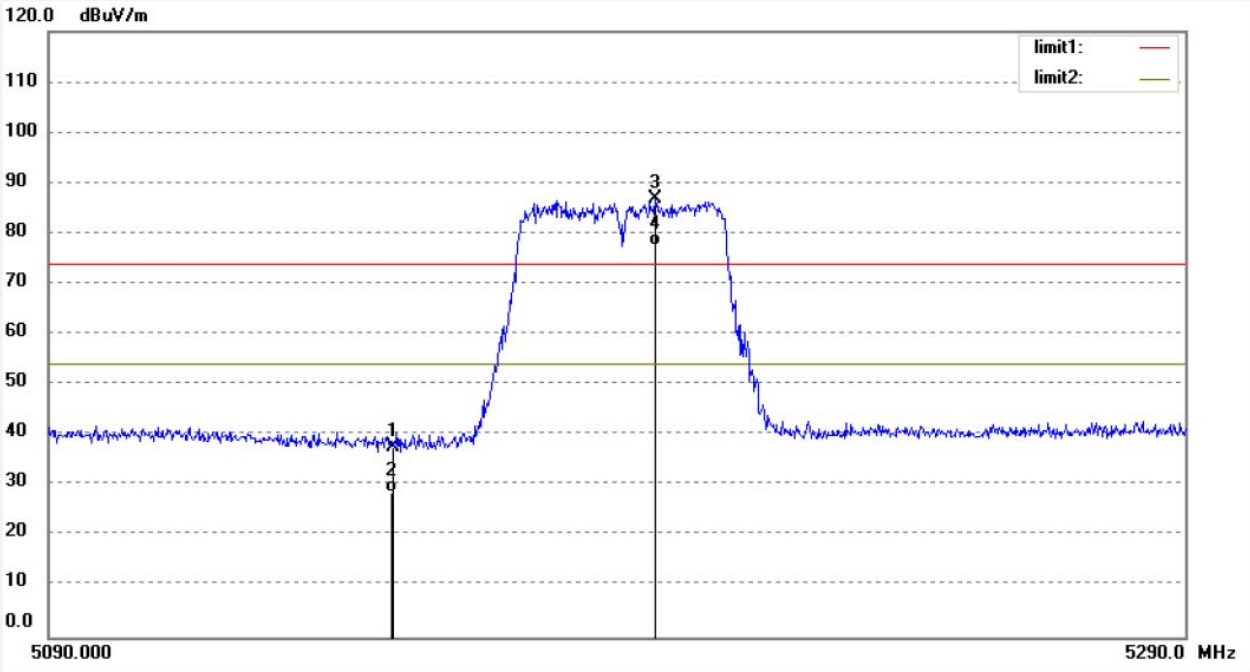
Job No.: star2017 #1023	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/43/07
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 38-AC 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5150.000	35.64	2.04	37.68	74.00	-36.32	peak	150	97	
2	5150.000	26.55	2.04	28.59	54.00	-25.41	AVG	150	153	
3	5195.854	84.70	2.09	86.79			peak	150	120	
4	5195.854	75.44	2.09	77.53			AVG	150	164	

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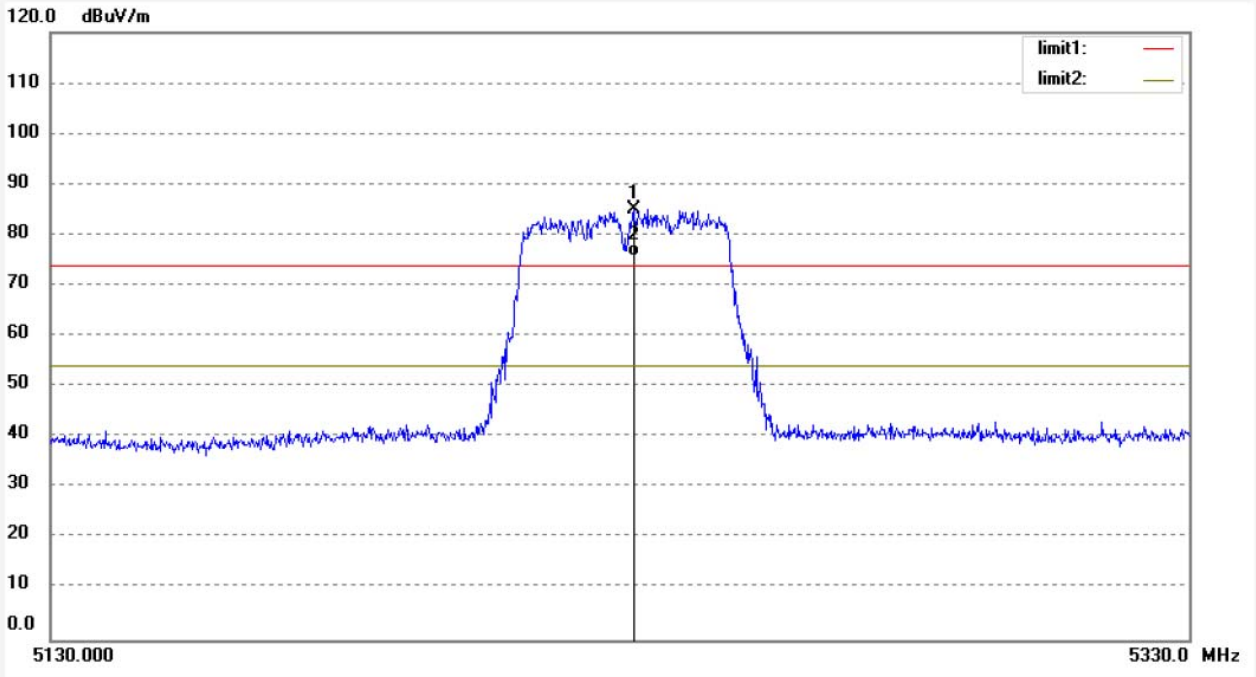
Job No.: star2017 #1025	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/45/31
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 46-AC 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5231.449	82.85	2.13	84.98			peak	200	314	
2	5231.449	73.64	2.13	75.77			AVG	200	297	

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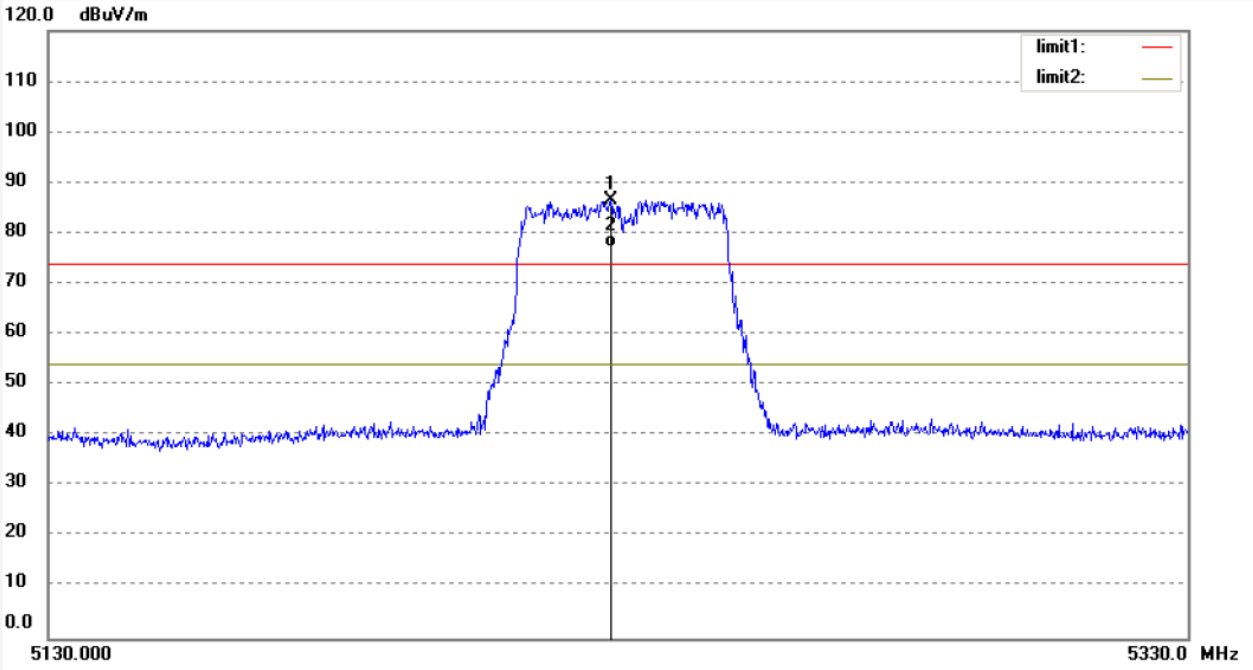
Job No.: star2017 #1024	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/44/45
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 46-AC 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5227.842	84.52	2.13	86.65			peak	150	250	
2	5227.842	75.00	2.13	77.13			AVG	150	234	

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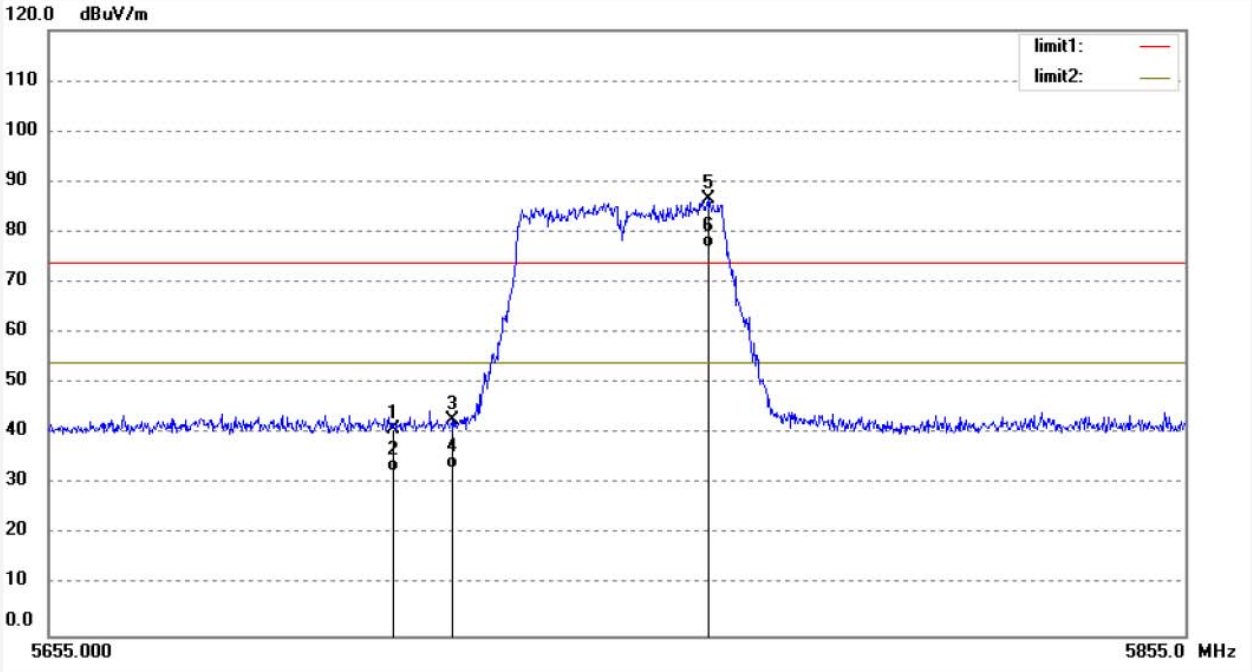
Job No.: star2017 #1026	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/46/47
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 151-AC 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	38.35	2.74	41.09	74.00	-32.91	peak	200	352	
2	5715.000	29.77	2.74	32.51	54.00	-21.49	AVG	200	264	
3	5725.000	39.97	2.75	42.72	74.00	-31.28	peak	200	107	
4	5725.000	30.46	2.75	33.21	54.00	-20.79	AVG	200	44	
5	5770.185	83.76	2.82	86.58			peak	200	241	
6	5770.185	74.04	2.82	76.86			AVG	200	114	

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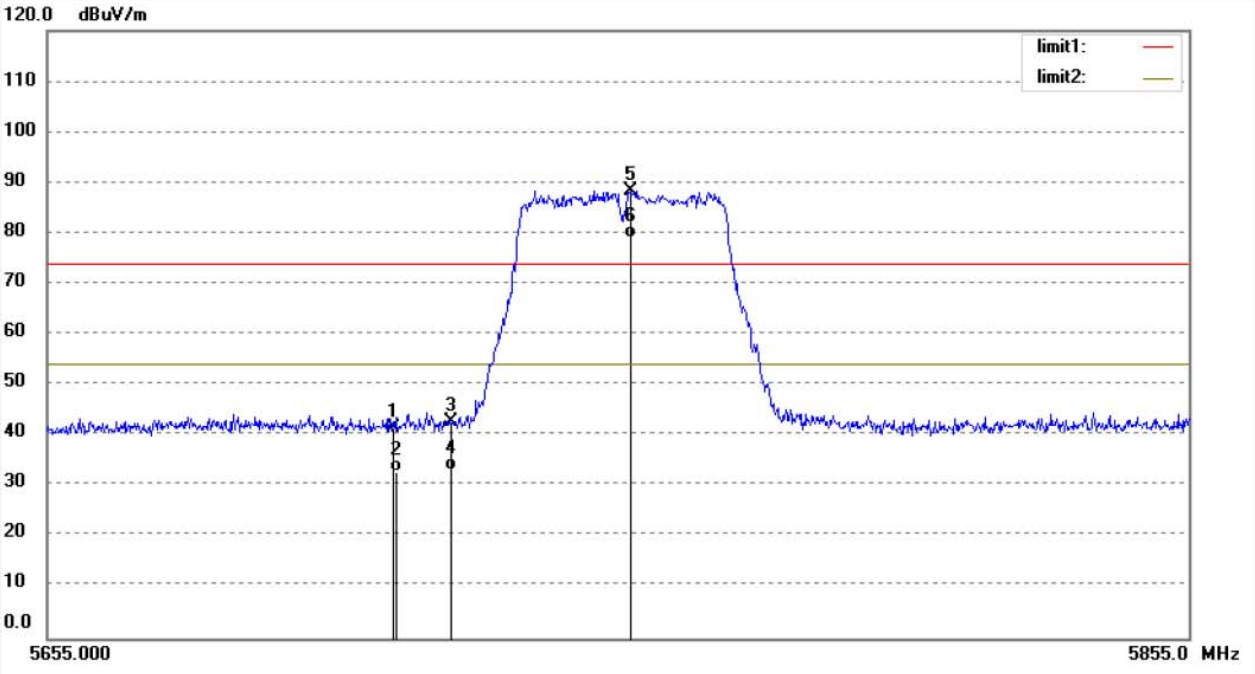
Job No.: star2017 #1027	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/47/49
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 151-AC 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5715.000	38.94	2.74	41.68	74.00	-32.32	peak	150	300	
2	5715.000	30.00	2.74	32.74	54.00	-21.26	AVG	150	231	
3	5725.000	39.97	2.75	42.72	74.00	-31.28	peak	150	144	
4	5725.000	30.51	2.75	33.26	54.00	-20.74	AVG	150	156	
5	5756.336	85.66	2.80	88.46			peak	150	97	
6	5756.336	76.28	2.80	79.08			AVG	150	200	

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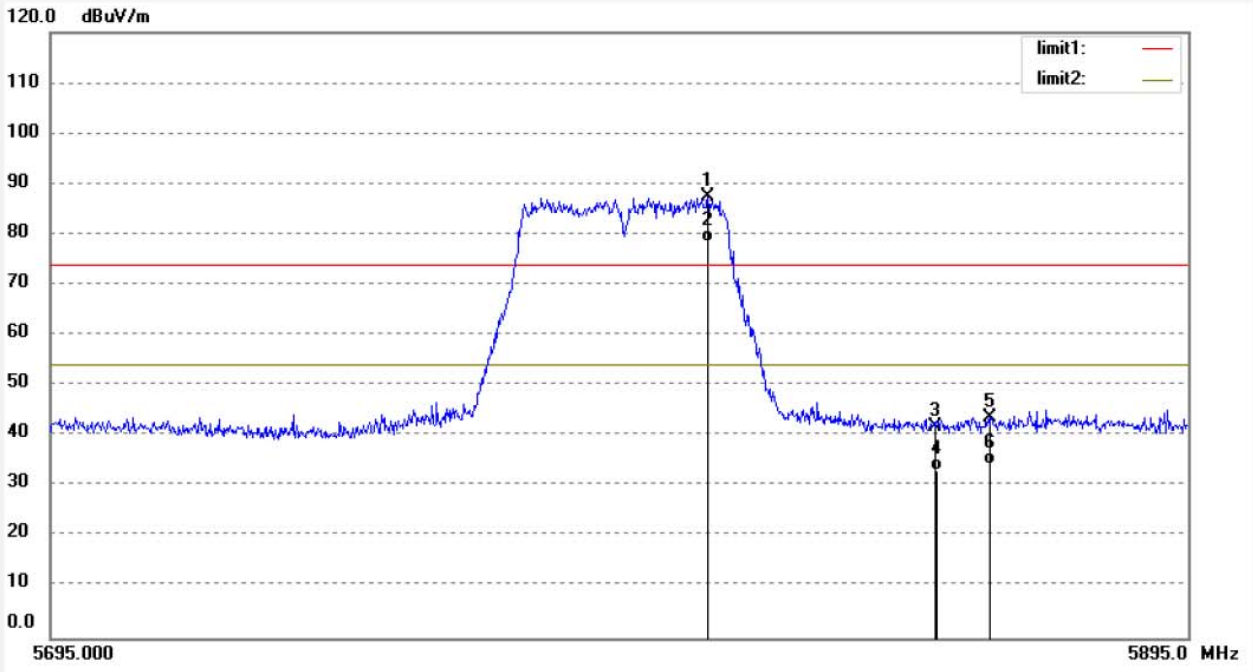
Job No.: star2017 #1029	Polarization: Horizontal
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/50/24
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 159-AC 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5809.789	84.63	2.88	87.51			peak	200	234	
2	5809.789	75.47	2.88	78.35			AVG	200	230	
3	5850.000	39.06	2.93	41.99	74.00	-32.01	peak	200	156	
4	5850.000	30.14	2.93	33.07	54.00	-20.93	AVG	200	167	
5	5860.000	40.69	2.95	43.64	74.00	-30.36	peak	200	180	
6	5860.000	31.53	2.95	34.48	54.00	-19.52	AVG	200	200	

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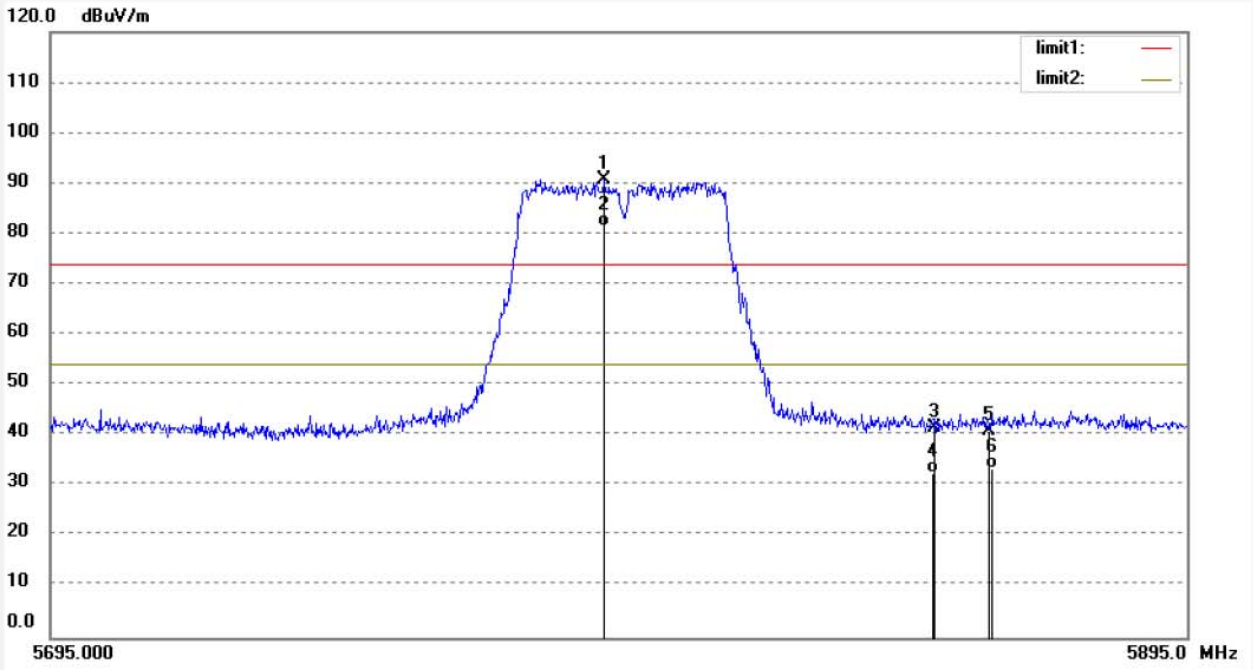
Job No.: star2017 #1028	Polarization: Vertical
Standard: FCC PK	Power Source: DC 12V
Test item: Radiation Test	Date: 17/10/17/
Temp.(C)/Hum.(%) 25 C / 55 %	Time: 9/49/30
EUT: WiFi module	Engineer Signature: star
Mode: TX Channel 159-AC 40MHz	Distance: 3m
Model: WPC0GR2231R	
Manufacturer: Prima	

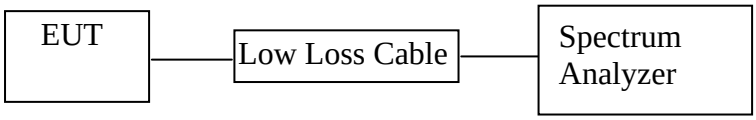
Note: Report No.:ATE20171984



No.	Freq. (MHz)	Reading (dBuV/m)	Factor (dB)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Degree (deg.)	Remark
1	5791.733	87.90	2.85	90.75			peak	150	359	
2	5791.733	78.49	2.85	81.34			AVG	150	304	
3	5850.000	38.59	2.93	41.52	74.00	-32.48	peak	150	241	
4	5850.000	29.58	2.93	32.51	54.00	-21.49	AVG	150	200	
5	5860.000	38.08	2.95	41.03	74.00	-32.97	peak	150	146	
6	5860.000	30.43	2.95	33.38	54.00	-20.62	AVG	150	150	

12.FREQUENCIES STABILITY

12.1.Block Diagram of Test Setup



(EUT: WiFi module)

12.2.EUT Configuration on Measurement

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

12.3.Operating Condition of EUT

12.3.1.Setup the EUT and simulator as shown as Section 12.1.

12.3.2.Turn on the power of all equipment.

12.3.3.Let the EUT work in TX modes measure it. The transmit frequency are 5150-5250 and 5725-5850MHz.

12.4.Test Result

Test Conditions	Measured Frequency(MHz) 5180
V nor(V)	5180.0077
V max(V)	5180.0081
V min(V)	5180.0092
Max. Deviation Frequency	0.0092
Max. Frequency Error (ppm)	1.78

Frequency Error vs. Temperature:

Test Conditions (°C)	Measured Frequency(MHz) 5180
-5	5180.0072
5	5180.0055
15	5180.0039
25	5180.0081
35	5180.0089
45	5180.0051
50	5180.0029
Max. Deviation Frequency	0.0089
Max. Frequency Error (ppm)	1.72

Test Conditions	Measured Frequency(MHz) 5825
V nor(V)	5825.0055
V max(V)	5825.0047
V min(V)	5825.0059
Max. Deviation Frequency	0.0059
Max. Frequency Error (ppm)	1.01

Frequency Error vs. Temperature:

Test Conditions (°C)	Measured Frequency(MHz) 5180
-5	5825.0033
5	5825.0051
15	5825.0059
25	5825.0062
35	5825.0041
45	5825.0062
50	5825.0071
Max. Deviation Frequency	0.0071
Max. Frequency Error (ppm)	1.22

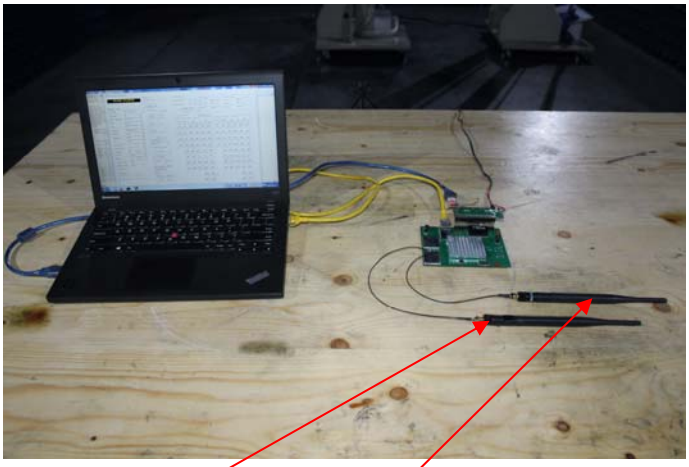
13. ANTENNA REQUIREMENT

13.1. The Requirement

According to Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

13.2. Antenna Construction

The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b); The Antenna gain of EUT is 2dBi. Therefore, the equipment complies with the antenna requirement.



Antenna 1 Antenna 2