Appendix B. Unwanted Emissions Measurement for Antenna 7

Antenna Information		
Antenna 7	**Model Name**	ML-2452-PTA2M2-036
	Antenna Type	Patch Antenna
	Antenna Gain	3.5 dBi

Test Cases	
Test Item	**802.11a/n (Modulation : OFDM)**
Radiated TCs	Mode 1: 802.11a_CH149_5745 MHz (Chain 1+2) Mode 2: 802.11a_CH157_5785 MHz (Chain 1+2) Mode 3: 802.11a_CH165_5825 MHz (Chain 1+2) Mode 4: 802.11n HT20_CH149_5745 MHz (Chain 1+2) Mode 5: 802.11n HT20_CH157_5785 MHz (Chain 1+2) Mode 6: 802.11n HT20_CH165_5825 MHz (Chain 1+2) Mode 7: 802.11n HT40_CH151_5755 MHz (Chain 1+2) Mode 8: 802.11n HT40_CH159_5795 MHz (Chain 1+2) Mode 9: 802.11n HT40_CH159_5795 MHz (Chain 1+2)
Remark: Mode 1 to 8 of radiation test were performed on DC 4.5V and Mode 9 was performed on DC 3.3V.	

➢ Test Result of Radiated Band Edges

Test Mode :	Mode 1	**Temperature :**	22~24°C
Test Band :	802.11a (Chain 1+2)	**Relative Humidity :**	50~52%
Test Channel :	149	**Test Engineer :**	Kyle Jhuang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	78.7	-12.21	90.91	66.71	35.33	9.92	33.26	100	41	Peak
5745	99.36	-	-	87.41	35.34	9.91	33.3	100	41	Average
5745	110.91	-	-	98.96	35.34	9.91	33.3	100	41	Peak
5850	51.85	-39.06	90.91	40.03	35.41	9.87	33.46	100	41	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	85.74	-9.23	94.97	73.75	35.33	9.92	33.26	106	323	Peak
5745	104.71	-	-	92.76	35.34	9.91	33.3	106	323	Average
5745	114.97	-	-	103.02	35.34	9.91	33.3	106	323	Peak
5850	56.91	-38.06	94.97	45.09	35.41	9.87	33.46	106	323	Peak

Test Mode :	Mode 3	Temperature :	22~24°C
Test Band :	802.11a (Chain 1+2)	Relative Humidity :	50~52%
Test Channel :	165	Test Engineer :	Kyle Jhuang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	53.75	-36.75	90.5	41.76	35.33	9.92	33.26	167	26	Peak
5825	99.13	-	-	87.27	35.4	9.88	33.42	167	26	Average
5825	110.5	-	-	98.64	35.4	9.88	33.42	167	26	Peak
5850	64.09	-26.41	90.5	52.27	35.41	9.87	33.46	167	26	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	57.21	-37.76	94.97	45.22	35.33	9.92	33.26	197	329	Peak
5825	105.38	-	-	93.52	35.4	9.88	33.42	197	329	Average
5825	114.97	-	-	103.11	35.4	9.88	33.42	197	329	Peak
5850	69.7	-25.27	94.97	57.88	35.41	9.87	33.46	197	329	Peak

Test Mode :	Mode 4	Temperature :	22~24°C
Test Band :	802.11n HT20 (Chain 1+2)	Relative Humidity :	50~52%
Test Channel :	149	Test Engineer :	Kyle Jhuang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	78.39	-10.94	89.33	66.4	35.33	9.92	33.26	100	26	Peak
5745	97.64	-	-	85.69	35.34	9.91	33.3	100	26	Average
5745	109.33	-	-	97.38	35.34	9.91	33.3	100	26	Peak
5850	54.05	-35.28	89.33	42.23	35.41	9.87	33.46	100	26	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	80.46	-14.56	95.02	68.47	35.33	9.92	33.26	200	331	Peak
5745	103.69	-	-	91.74	35.34	9.91	33.3	200	331	Average
5745	115.02	-	-	103.07	35.34	9.91	33.3	200	331	Peak
5850	59.15	-35.87	95.02	47.33	35.41	9.87	33.46	200	331	Peak

Test Mode :	Mode 6	**Temperature :**	22~24°C
Test Band :	802.11n HT20 (Chain 1+2)	**Relative Humidity :**	50~52%
Test Channel :	165	**Test Engineer :**	Kyle Jhuang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5725	54.49	-34.27	88.76	42.5	35.33	9.92	33.26	190	29	Peak
5825	96.55	-	-	84.69	35.4	9.88	33.42	190	29	Average
5825	108.76	-	-	96.9	35.4	9.88	33.42	190	29	Peak
5850	65.62	-23.14	88.76	53.8	35.41	9.87	33.46	190	29	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	**Level (dBuV/m)**	**Over Limit (dB)**	**Limit Line (dBuV/m)**	**Read Level (dBuV)**	**Antenna Factor (dB)**	**Cable Loss (dB)**	**Preamp Factor (dB)**	**Ant Pos (cm)**	**Table Pos (deg)**	**Remark**
5725	59.53	-35.58	95.11	47.54	35.33	9.92	33.26	198	340	Peak
5825	105.12	-	-	93.26	35.4	9.88	33.42	198	340	Average
5825	115.11	-	-	103.25	35.4	9.88	33.42	198	340	Peak
5850	75.56	-19.55	95.11	63.74	35.41	9.87	33.46	198	340	Peak

Test Mode :	Mode 7	Temperature :	22~24°C
Test Band :	802.11n HT40 (Chain 1+2)	Relative Humidity :	50~52%
Test Channel :	151	Test Engineer :	Kyle Jhuang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	80.15	-7.49	87.64	68.16	35.33	9.92	33.26	100	27	Peak
5755	95.36	-	-	83.39	35.36	9.91	33.3	100	27	Average
5755	107.64	-	-	95.69	35.34	9.91	33.3	100	27	Peak
5850	54	-33.64	87.64	42.18	35.41	9.87	33.46	100	27	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	85.64	-9.07	94.71	73.65	35.33	9.92	33.26	200	338	Peak
5755	101.59	-	-	89.62	35.36	9.91	33.3	200	338	Average
5755	114.71	-	-	102.76	35.34	9.91	33.3	200	338	Peak
5850	58.6	-36.11	94.71	46.78	35.41	9.87	33.46	200	338	Peak

Test Mode :	Mode 8	Temperature :	22~24°C
Test Band :	802.11n HT40 (Chain 1+2)	Relative Humidity :	50~52%
Test Channel :	159	Test Engineer :	Kyle Jhuang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	57.78	-28.96	86.74	45.79	35.33	9.92	33.26	100	46	Peak
5795	94.14	-	-	82.25	35.38	9.89	33.38	100	46	Average
5795	106.74	-	-	94.8	35.38	9.9	33.34	100	46	Peak
5850	58.92	-27.82	86.74	47.1	35.41	9.87	33.46	100	46	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	61.69	-32.65	94.34	49.7	35.33	9.92	33.26	200	330	Peak
5795	101.29	-	-	89.4	35.38	9.89	33.38	200	330	Average
5795	114.34	-	-	102.41	35.37	9.9	33.34	200	330	Peak
5850	67.75	-26.59	94.34	55.93	35.41	9.87	33.46	200	330	Peak

Test Mode :	Mode 9	Temperature :	22~24°C
Test Band :	802.11n HT40 (Chain 1+2)	Relative Humidity :	50~52%
Test Channel :	159	Test Engineer :	Kyle Jhuang

ANTENNA POLARITY : HORIZONTAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	55.47	-31.27	86.74	43.48	35.33	9.92	33.26	118	15	Peak
5795	94.14	-	-	82.25	35.38	9.89	33.38	100	46	Average
5795	106.74	-	-	94.8	35.38	9.9	33.34	100	46	Peak
5850	61.17	-25.57	86.74	49.35	35.41	9.87	33.46	118	15	Peak

ANTENNA POLARITY : VERTICAL										
Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5725	65.84	-28.5	94.34	53.85	35.33	9.92	33.26	118	15	Peak
5795	101.29	-	-	89.4	35.38	9.89	33.38	200	330	Average
5795	114.34	-	-	102.41	35.37	9.9	33.34	200	330	Peak
5850	69.7	-24.64	94.34	57.88	35.41	9.87	33.46	118	15	Peak

➢ Test Results of Radiated Emissions (30MHz ~ 10th Harmonic)

Test Mode :	Mode 1	**Temperature :**	22~24°C
Test Channel :	149	**Relative Humidity :**	50~52%
Test Engineer :	Kyle Jhuang	**Polarization :**	Horizontal
Remark :	1. 5745 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5403.57	44.36	-9.64	54	32.52	34.94	9.82	32.92	100	41	Average
5408.96	57.89	-16.11	74	46.01	34.94	9.86	32.92	100	41	Peak
5745	99.36	-	-	87.41	35.34	9.91	33.3	100	41	Average
5745	110.91	-	-	98.96	35.34	9.91	33.3	100	41	Peak

Test Mode :	Mode 1	**Temperature :**	22~24°C
Test Channel :	149	**Relative Humidity :**	50~52%
Test Engineer :	Kyle Jhuang	**Polarization :**	Vertical
Remark :	1. 5745 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350.11	52.22	-1.78	54	40.6	34.81	9.74	32.93	106	323	Average
5351.32	64.68	-9.32	74	53.06	34.81	9.74	32.93	106	323	Peak
5745	104.71	-	-	92.76	35.34	9.91	33.3	106	323	Average
5745	114.97	-	-	103.02	35.34	9.91	33.3	106	323	Peak

Test Mode :	Mode 2	Temperature :	22~24°C
Test Channel :	157	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Horizontal
Remark :	1. 5785 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
80.49	25.57	-14.43	40	48.71	7.7	0.88	31.72	-	-	Peak
105.87	25.88	-17.62	43.5	46.22	10.34	1.03	31.71	-	-	Peak
240.06	32.24	-13.76	46	49.98	11.93	1.53	31.2	-	-	Peak
498.1	28.37	-17.63	46	38.77	18.06	2.44	30.9	-	-	Peak
622	34.1	-11.9	46	41.84	19.97	2.75	30.46	-	-	Peak
797	37.29	-8.71	46	42.27	22.06	3.14	30.18	100	67	Peak
5365.29	60.82	-13.18	74	49.12	34.85	9.78	32.93	171	58	Peak
5371.23	47.38	-6.62	54	35.68	34.85	9.78	32.93	171	58	Average
5725	56.73	-34.99	91.72	44.74	35.33	9.92	33.26	171	58	Peak
5785	99.68	-	-	87.75	35.37	9.9	33.34	171	58	Average
5785	111.72	-	-	99.79	35.37	9.9	33.34	171	58	Peak
5850	51.8	-39.92	91.72	39.98	35.41	9.87	33.46	171	58	Peak

Test Mode :	Mode 2	**Temperature :**	22~24°C
Test Channel :	157	**Relative Humidity :**	50~52%
Test Engineer :	Kyle Jhuang	**Polarization :**	Vertical
Remark :	1. 5785 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
82.65	29.7	-10.3	40	52.64	7.88	0.89	31.71	100	213	Peak
103.71	32.83	-10.67	43.5	53.36	10.16	1.01	31.7	-	-	Peak
219.27	30.78	-15.22	46	50.16	10.45	1.41	31.24	-	-	Peak
398	34.97	-11.03	46	48.38	15.95	2.14	31.5	-	-	Peak
664.7	33.84	-12.16	46	41.05	20.31	2.87	30.39	-	-	Peak
796.3	33.04	-12.96	46	38.06	22.04	3.13	30.19	-	-	Peak
5411.6	53.51	-0.49	54	41.59	34.98	9.86	32.92	199	343	Average
5415.67	66.76	-7.24	74	54.84	34.98	9.86	32.92	199	343	Peak
5725	60.5	-34.72	95.22	48.51	35.33	9.92	33.26	199	343	Peak
5785	106.74	-	-	94.81	35.37	9.9	33.34	199	343	Average
5785	115.22	-	-	103.29	35.37	9.9	33.34	199	343	Peak
5850	58.17	-37.05	95.22	46.35	35.41	9.87	33.46	199	343	Peak

Test Mode :	Mode 3	Temperature :	22~24°C
Test Channel :	165	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Horizontal
Remark :	1. 5825 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5412.92	48.68	-5.32	54	36.76	34.98	9.86	32.92	167	26	Average
5421.06	62	-12	74	50.08	34.98	9.86	32.92	167	26	Peak
5825	99.13	-	-	87.27	35.4	9.88	33.42	167	26	Average
5825	110.5	-	-	98.64	35.4	9.88	33.42	167	26	Peak

Test Mode :	Mode 3	Temperature :	22~24°C
Test Channel :	165	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Vertical
Remark :	1. 5825 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5458.02	65.21	-8.79	74	53.11	35.07	9.94	32.91	197	329	Peak
5460	52.34	-1.66	54	40.24	35.07	9.94	32.91	197	329	Average
5825	105.38	-	-	93.52	35.4	9.88	33.42	197	329	Average
5825	114.97	-	-	103.11	35.4	9.88	33.42	197	329	Peak

Test Mode :	Mode 4	Temperature :	22~24°C
Test Channel :	149	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Horizontal
Remark :	1. 5745 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5377.28	58.89	-15.11	74	47.19	34.85	9.78	32.93	100	26	Peak
5406.98	46.17	-7.83	54	34.29	34.94	9.86	32.92	100	26	Average
5745	97.64	-	-	85.69	35.34	9.91	33.3	100	26	Average
5745	109.33	-	-	97.38	35.34	9.91	33.3	100	26	Peak

Test Mode :	Mode 4	Temperature :	22~24°C
Test Channel :	149	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Vertical
Remark :	1. 5745 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5408.63	67.57	-6.43	74	55.69	34.94	9.86	32.92	200	331	Peak
5413.69	53.43	-0.57	54	41.51	34.98	9.86	32.92	200	331	Average
5745	103.69	-	-	91.74	35.34	9.91	33.3	200	331	Average
5745	115.02	-	-	103.07	35.34	9.91	33.3	200	331	Peak

Test Mode :	Mode 5	Temperature :	22~24°C
Test Channel :	157	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Horizontal
Remark :	1. 5785 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5365.84	61.63	-12.37	74	49.93	34.85	9.78	32.93	165	28	Peak
5410.83	48.07	-5.93	54	36.19	34.94	9.86	32.92	165	28	Average
5725	55.48	-35.17	90.65	43.49	35.33	9.92	33.26	165	28	Peak
5785	98.13	-	-	86.2	35.37	9.9	33.34	165	28	Average
5785	110.65	-	-	98.72	35.37	9.9	33.34	165	28	Peak
5850	53.84	-36.81	90.65	42.02	35.41	9.87	33.46	165	28	Peak

Test Mode :	Mode 5	Temperature :	22~24°C
Test Channel :	157	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Vertical
Remark :	1. 5785 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5411.71	52.77	-1.23	54	40.85	34.98	9.86	32.92	200	340	Average
5420.18	66.28	-7.72	74	54.36	34.98	9.86	32.92	200	340	Peak
5725	61.38	-33.64	95.02	49.39	35.33	9.92	33.26	200	340	Peak
5785	105.09	-	-	93.16	35.37	9.9	33.34	200	340	Average
5785	115.02	-	-	103.09	35.37	9.9	33.34	200	340	Peak
5850	59	-36.02	95.02	47.18	35.41	9.87	33.46	200	340	Peak

Test Mode :	Mode 6	Temperature :	22~24°C
Test Channel :	165	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Horizontal
Remark :	1. 5825 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5380.47	60.77	-13.23	74	48.97	34.9	9.82	32.92	190	29	Peak
5397.96	47.71	-6.29	54	35.87	34.94	9.82	32.92	190	29	Average
5825	96.55	-	-	84.69	35.4	9.88	33.42	190	29	Average
5825	108.76	-	-	96.9	35.4	9.88	33.42	190	29	Peak

Test Mode :	Mode 6	Temperature :	22~24°C
Test Channel :	165	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Vertical
Remark :	1. 5825 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5415.23	66.77	-7.23	74	54.85	34.98	9.86	32.92	198	340	Peak
5460	53.33	-0.67	54	41.23	35.07	9.94	32.91	198	340	Average
5825	105.12	-	-	93.26	35.4	9.88	33.42	198	340	Average
5825	115.11	-	-	103.25	35.4	9.88	33.42	198	340	Peak

Test Mode :	Mode 7	Temperature :	22~24°C
Test Channel :	151	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Horizontal
Remark :	1. 5755 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5407.2	45.43	-8.57	54	33.55	34.94	9.86	32.92	100	27	Average
5409.51	58.15	-15.85	74	46.27	34.94	9.86	32.92	100	27	Peak
5755	95.36	-	-	83.39	35.36	9.91	33.3	100	27	Average
5755	107.64	-	-	95.69	35.34	9.91	33.3	100	27	Peak

Test Mode :	Mode 7	Temperature :	22~24°C
Test Channel :	151	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Vertical
Remark :	1. 5755 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5411.6	53.07	-0.93	54	41.15	34.98	9.86	32.92	200	338	Average
5439.98	67.1	-6.9	74	55.08	35.03	9.9	32.91	200	338	Peak
5755	101.59	-	-	89.62	35.36	9.91	33.3	200	338	Average
5755	114.71	-	-	102.76	35.34	9.91	33.3	200	338	Peak

Test Mode :	Mode 8	Temperature :	22~24°C
Test Channel :	159	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Horizontal
Remark :	1. 5795 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5350	42.93	-11.07	54	31.31	34.81	9.74	32.93	100	46	Average
5350.44	55.69	-18.31	74	44.07	34.81	9.74	32.93	100	46	Peak
5795	94.14	-	-	82.25	35.38	9.89	33.38	100	46	Average
5795	106.74	-	-	94.8	35.38	9.9	33.34	100	46	Peak

Test Mode :	Mode 8	Temperature :	22~24°C
Test Channel :	159	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Vertical
Remark :	1. 5795 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
5408.63	67.88	-6.12	74	56	34.94	9.86	32.92	200	330	Peak
5411.6	53.52	-0.48	54	41.6	34.98	9.86	32.92	200	330	Average
5795	101.29	-	-	89.4	35.38	9.89	33.38	200	330	Average
5795	114.34	-	-	102.41	35.37	9.9	33.34	200	330	Peak

Test Mode :	Mode 9	**Temperature :**	22~24°C
Test Channel :	159	**Relative Humidity :**	50~52%
Test Engineer :	Kyle Jhuang	**Polarization :**	Horizontal
Remark :	1. 5795 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
80.49	24.96	-15.04	40	48.1	7.7	0.88	31.72	-	-	Peak
103.98	26.26	-17.24	43.5	46.79	10.16	1.01	31.7	-	-	Peak
240.06	32.06	-13.94	46	49.8	11.93	1.53	31.2	-	-	Peak
497.4	29.76	-16.24	46	40.18	18.04	2.44	30.9	-	-	Peak
622.7	33.6	-12.4	46	41.31	19.98	2.76	30.45	-	-	Peak
797	37.89	-8.11	46	42.87	22.06	3.14	30.18	100	85	Peak
5367.6	59.45	-14.55	74	47.75	34.85	9.78	32.93	118	15	Peak
5407.42	46.25	-7.75	54	34.37	34.94	9.86	32.92	118	15	Average
5795	94.14	-	-	82.25	35.38	9.89	33.38	100	46	Average
5795	106.74	-	-	94.8	35.38	9.9	33.34	100	46	Peak

Test Mode :	Mode 9	Temperature :	22~24°C
Test Channel :	159	Relative Humidity :	50~52%
Test Engineer :	Kyle Jhuang	Polarization :	Vertical
Remark :	1. 5795 MHz is fundamental signal which can be ignored. 2. Test result of emissions which are 20 dB lower than the limit is not reported per15.31.		

Frequency (MHz)	Level (dBuV/m)	Over Limit (dB)	Limit Line (dBuV/m)	Read Level (dBuV)	Antenna Factor (dB)	Cable Loss (dB)	Preamp Factor (dB)	Ant Pos (cm)	Table Pos (deg)	Remark
30.54	33.38	-6.62	40	45.43	19.28	0.54	31.87	100	221	Peak
124.77	29.7	-13.8	43.5	48.48	11.7	1.12	31.6	-	-	Peak
240.06	30.87	-15.13	46	48.61	11.93	1.53	31.2	-	-	Peak
398	34.47	-11.53	46	47.88	15.95	2.14	31.5	-	-	Peak
664	33.22	-12.78	46	40.43	20.31	2.87	30.39	-	-	Peak
799.8	33.48	-12.52	46	38.4	22.1	3.14	30.16	-	-	Peak
5370.24	67	-7	74	55.3	34.85	9.78	32.93	118	15	Peak
5371.23	53.37	-0.63	54	41.67	34.85	9.78	32.93	118	15	Average
5795	101.29	-	-	89.4	35.38	9.89	33.38	200	330	Average
5795	114.34	-	-	102.41	35.37	9.9	33.34	200	330	Peak