



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19185 (High)	Frequency :	1908.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain	(H/V)	
			(dB)	(dBm)	(dBm)	(dB)	(dBi)		
3816	-47.95	-13	-34.95	-62.15	-52.55	3	7.60	H	Pass
5721	-46.40	-13	-33.40	-60.19	-52.66	3.84	10.10	H	Pass
7629	-42.27	-13	-29.27	-62.05	-49.77	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19185 (High)	Frequency :	1908.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain	(H/V)	
			(dB)	(dBm)	(dBm)	(dB)	(dBi)		
3813	-49.00	-13	-36.00	-61.49	-53.60	3	7.60	V	Pass
5721	-48.96	-13	-35.96	-61.37	-55.22	3.84	10.10	V	Pass
7629	-45.15	-13	-32.15	-62.94	-52.65	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18625 (Low)	Frequency :	1852.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-51.64	-13	-38.64	-65.84	-56.24	3	7.60	H	Pass
5550	-48.64	-13	-35.64	-62.43	-54.90	3.84	10.10	H	Pass
7401	-43.33	-13	-30.33	-63.11	-50.83	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18625 (Low)	Frequency :	1852.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-53.84	-13	-40.84	-66.33	-58.44	3	7.60	V	Pass
5550	-51.02	-13	-38.02	-63.43	-57.28	3.84	10.10	V	Pass
7401	-47.02	-13	-34.02	-64.81	-54.52	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18900 (Middle)	Frequency :	1880						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-50.82	-13	-37.82	-65.02	-55.42	3	7.60	H	Pass
5634	-47.97	-13	-34.97	-61.76	-54.23	3.84	10.10	H	Pass
7512	-43.66	-13	-30.66	-63.44	-51.16	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18900 (Middle)	Frequency :	1880						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3756	-53.75	-13	-40.75	-66.24	-58.35	3	7.60	V	Pass
5640	-47.72	-13	-34.72	-60.13	-53.98	3.84	10.10	V	Pass
7512	-46.45	-13	-33.45	-64.24	-53.95	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19175 (High)	Frequency :	1907.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3810	-49.03	-13	-36.03	-63.23	-53.63	3	7.60	H	Pass
5715	-47.72	-13	-34.72	-61.51	-53.98	3.84	10.10	H	Pass
7623	-42.64	-13	-29.64	-62.42	-50.14	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19175 (High)	Frequency :	1907.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3810	-49.93	-13	-36.93	-62.42	-54.53	3	7.60	V	Pass
5715	-49.76	-13	-36.76	-62.17	-56.02	3.84	10.10	V	Pass
7623	-44.97	-13	-31.97	-62.76	-52.47	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18650 (Low)	Frequency :	1855						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-50.74	-13	-37.74	-64.94	-55.34	3	7.60	H	Pass
5553	-48.36	-13	-35.36	-62.15	-54.62	3.84	10.10	H	Pass
7401	-43.85	-13	-30.85	-63.63	-51.35	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18650 (Low)	Frequency :	1855						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-53.83	-13	-40.83	-66.32	-58.43	3	7.60	V	Pass
5553	-49.54	-13	-36.54	-61.95	-55.80	3.84	10.10	V	Pass
7401	-45.01	-13	-32.01	-62.8	-52.51	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18900 (Middle)	Frequency :	1880						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3751	-51.60	-13	-38.60	-65.80	-56.20	3	7.60	H	Pass
5628	-46.85	-13	-33.85	-60.64	-53.11	3.84	10.10	H	Pass
7503	-43.17	-13	-30.17	-62.95	-50.67	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18900 (Middle)	Frequency :	1880						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3750	-53.45	-13	-40.45	-65.94	-58.05	3	7.60	V	Pass
5627	-48.10	-13	-35.10	-60.51	-54.36	3.84	10.10	V	Pass
7503	-45.05	-13	-32.05	-62.84	-52.55	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19150 (High)	Frequency :	1905						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3801	-50.90	-13	-37.90	-65.10	-55.50	3	7.60	H	Pass
5703	-47.35	-13	-34.35	-61.14	-53.61	3.84	10.10	H	Pass
7602	-42.51	-13	-29.51	-62.29	-50.01	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19150 (High)	Frequency :	1905						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3801	-53.33	-13	-40.33	-65.82	-57.93	3	7.60	V	Pass
5703	-47.94	-13	-34.94	-60.35	-54.20	3.84	10.10	V	Pass
7602	-46.38	-13	-33.38	-64.17	-53.88	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18675 (Low)	Frequency :	1857.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-50.36	-13	-37.36	-64.56	-54.96	3	7.60	H	Pass
5553	-49.11	-13	-36.11	-62.90	-55.37	3.84	10.10	H	Pass
7404	-43.09	-13	-30.09	-62.87	-50.59	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18675 (Low)	Frequency :	1857.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-54.12	-13	-41.12	-66.61	-58.72	3	7.60	V	Pass
5553	-51.84	-13	-38.84	-64.25	-58.10	3.84	10.10	V	Pass
7404	-43.16	-13	-30.16	-60.95	-50.66	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18900 (Middle)	Frequency :	1880						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3747	-50.81	-13	-37.81	-65.01	-55.41	3	7.60	H	Pass
5622	-48.86	-13	-35.86	-62.65	-55.12	3.84	10.10	H	Pass
7494	-42.72	-13	-29.72	-62.50	-50.22	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18900 (Middle)	Frequency :	1880						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3747	-53.32	-13	-40.32	-65.81	-57.92	3	7.60	V	Pass
5622	-49.22	-13	-36.22	-61.63	-55.48	3.84	10.10	V	Pass
7494	-45.71	-13	-32.71	-63.5	-53.21	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19125 (High)	Frequency :	1902.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3792	-52.11	-13	-39.11	-66.31	-56.71	3	7.60	H	Pass
5688	-48.41	-13	-35.41	-62.20	-54.67	3.84	10.10	H	Pass
7584	-43.71	-13	-30.71	-63.49	-51.21	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19125 (High)	Frequency :	1902.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3792	-53.02	-13	-40.02	-65.51	-57.62	3	7.60	V	Pass
5688	-49.18	-13	-36.18	-61.59	-55.44	3.84	10.10	V	Pass
7584	-45.79	-13	-32.79	-63.58	-53.29	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18700 (Low)	Frequency :	1860						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-50.25	-13	-37.25	-64.45	-54.85	3	7.60	H	Pass
5553	-48.88	-13	-35.88	-62.67	-55.14	3.84	10.10	H	Pass
7404	-42.88	-13	-29.88	-62.66	-50.38	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18700 (Low)	Frequency :	1860						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3702	-52.46	-13	-39.46	-64.95	-57.06	3	7.60	V	Pass
5553	-50.44	-13	-37.44	-62.85	-56.70	3.84	10.10	V	Pass
7404	-44.66	-13	-31.66	-62.45	-52.16	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18900 (Middle)	Frequency :	1880						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3741	-51.96	-13	-38.96	-66.16	-56.56	3	7.60	H	Pass
5613	-47.00	-13	-34.00	-60.79	-53.26	3.84	10.10	H	Pass
7485	-42.80	-13	-29.80	-62.58	-50.30	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	18900 (Middle)	Frequency :	1880						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3741	-54.77	-13	-41.77	-67.26	-59.37	3	7.60	V	Pass
5613	-49.95	-13	-36.95	-62.36	-56.21	3.84	10.10	V	Pass
7485	-44.74	-13	-31.74	-62.53	-52.24	4.43	11.93	V	Pass



Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19100 (High)	Frequency :	1900						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain	(H/V)	
			(dB)	(dBm)	(dBm)	(dB)	(dBi)		
3783	-51.39	-13	-38.39	-65.59	-55.99	3	7.60	H	Pass
5673	-47.41	-13	-34.41	-61.20	-53.67	3.84	10.10	H	Pass
7566	-43.71	-13	-30.71	-63.49	-51.21	4.43	11.93	H	Pass

Band :	LTE Band 2	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19100 (High)	Frequency :	1900						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain	(H/V)	
			(dB)	(dBm)	(dBm)	(dB)	(dBi)		
3783	-53.69	-13	-40.69	-66.18	-58.29	3	7.60	V	Pass
5673	-50.63	-13	-37.63	-63.04	-56.89	3.84	10.10	V	Pass
7566	-47.73	-13	-34.73	-65.52	-55.23	4.43	11.93	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19957 (Low)	Frequency :	1710.7						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-50.52	-13	-37.52	-64.65	-54.89	3.12	7.49	H	Pass
5131	-47.41	-13	-34.41	-60.56	-53.21	3.65	9.45	H	Pass
6840	-45.70	-13	-32.70	-62.56	-52.90	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19957 (Low)	Frequency :	1710.7						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-49.59	-13	-36.59	-62.41	-53.96	3.12	7.49	V	Pass
5131	-47.34	-13	-34.34	-61.35	-53.14	3.65	9.45	V	Pass
6840	-46.57	-13	-33.57	-61.82	-53.77	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3465	-51.63	-13	-38.63	-65.76	-56.00	3.12	7.49	H	Pass
5196	-48.36	-13	-35.36	-61.51	-54.16	3.65	9.45	H	Pass
6927	-45.76	-13	-32.76	-62.62	-52.96	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-51.64	-13	-38.64	-64.46	-56.01	3.12	7.49	V	Pass
5196	-48.30	-13	-35.30	-62.31	-54.10	3.65	9.45	V	Pass
6927	-47.05	-13	-34.05	-62.3	-54.25	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20393 (High)	Frequency :	1754.3						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3507	-51.14	-13	-38.14	-65.27	-55.51	3.12	7.49	H	Pass
5262	-48.71	-13	-35.71	-61.86	-54.51	3.65	9.45	H	Pass
7014	-45.32	-13	-32.32	-62.18	-52.52	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20393 (High)	Frequency :	1754.3						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3507	-52.65	-13	-39.65	-65.47	-57.02	3.12	7.49	V	Pass
5262	-48.73	-13	-35.73	-62.74	-54.53	3.65	9.45	V	Pass
7014	-47.75	-13	-34.75	-63	-54.95	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19965 (Low)	Frequency :	1711.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-48.29	-13	-35.29	-62.42	-52.66	3.12	7.49	H	Pass
5130	-47.65	-13	-34.65	-60.80	-53.45	3.65	9.45	H	Pass
6840	-44.36	-13	-31.36	-61.22	-51.56	4.15	11.35	H	Pass
8553	-34.41	-13	-21.41	-57.67	-43.20	4.65	13.44	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19965 (Low)	Frequency :	1711.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-49.03	-13	-36.03	-61.85	-53.40	3.12	7.49	V	Pass
5130	-46.64	-13	-33.64	-60.65	-52.44	3.65	9.45	V	Pass
6846	-45.09	-13	-32.09	-60.34	-52.29	4.15	11.35	V	Pass
8553	-41.01	-13	-28.01	-60.17	-49.80	4.65	13.44	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-51.42	-13	-38.42	-65.55	-55.79	3.12	7.49	H	Pass
5193	-49.15	-13	-36.15	-62.30	-54.95	3.65	9.45	H	Pass
6924	-46.73	-13	-33.73	-63.59	-53.93	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-52.24	-13	-39.24	-65.06	-56.61	3.12	7.49	V	Pass
5193	-49.09	-13	-36.09	-63.1	-54.89	3.65	9.45	V	Pass
6924	-47.57	-13	-34.57	-62.82	-54.77	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20385 (High)	Frequency :	1753.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3504	-50.98	-13	-37.98	-65.11	-55.35	3.12	7.49	H	Pass
5256	-49.06	-13	-36.06	-62.21	-54.86	3.65	9.45	H	Pass
7008	-44.90	-13	-31.90	-61.76	-52.10	4.15	11.35	H	Pass
8763	-31.87	-13	-18.87	-55.11	-40.66	4.65	13.44	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20385 (High)	Frequency :	1753.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3504	-51.90	-13	-38.90	-64.72	-56.27	3.12	7.49	V	Pass
5256	-48.31	-13	-35.31	-62.32	-54.11	3.65	9.45	V	Pass
7008	-46.01	-13	-33.01	-61.26	-53.21	4.15	11.35	V	Pass
8763	-39.38	-13	-26.38	-58.54	-48.17	4.65	13.44	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19975 (Low)	Frequency :	1712.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3421	-49.03	-13	-36.03	-63.16	-53.40	3.12	7.49	H	Pass
5130	-49.09	-13	-36.09	-62.24	-54.89	3.65	9.45	H	Pass
6843	-46.04	-13	-33.04	-62.90	-53.24	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	19975 (Low)	Frequency :	1712.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-49.79	-13	-36.79	-62.61	-54.16	3.12	7.49	V	Pass
5130	-48.35	-13	-35.35	-62.36	-54.15	3.65	9.45	V	Pass
6843	-47.67	-13	-34.67	-62.92	-54.87	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-52.05	-13	-39.05	-66.18	-56.42	3.12	7.49	H	Pass
5190	-50.23	-13	-37.23	-63.38	-56.03	3.65	9.45	H	Pass
6921	-45.35	-13	-32.35	-62.21	-52.55	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3462	-52.90	-13	-39.90	-65.72	-57.27	3.12	7.49	V	Pass
5190	-49.15	-13	-36.15	-63.16	-54.95	3.65	9.45	V	Pass
6921	-48.88	-13	-35.88	-64.13	-56.08	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20375 (High)	Frequency :	1752.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3501	-51.40	-13	-38.40	-65.53	-55.77	3.12	7.49	H	Pass
5250	-48.78	-13	-35.78	-61.93	-54.58	3.65	9.45	H	Pass
7002	-44.44	-13	-31.44	-61.30	-51.64	4.15	11.35	H	Pass
8754	-34.28	-13	-21.28	-57.54	-43.07	4.65	13.44	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20375 (High)	Frequency :	1752.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3501	-51.48	-13	-38.48	-64.3	-55.85	3.12	7.49	V	Pass
5250	-47.69	-13	-34.69	-61.7	-53.49	3.65	9.45	V	Pass
7002	-46.23	-13	-33.23	-61.48	-53.43	4.15	11.35	V	Pass
8754	-38.31	-13	-25.31	-58.01	-47.10	4.65	13.44	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20000 (Low)	Frequency :	1715						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-51.01	-13	-38.01	-65.14	-55.38	3.12	7.49	H	Pass
5132	-48.83	-13	-35.83	-61.98	-54.63	3.65	9.45	H	Pass
6843	-45.14	-13	-32.14	-62.00	-52.34	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20000 (Low)	Frequency :	1715						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-49.48	-13	-36.48	-62.3	-53.85	3.12	7.49	V	Pass
5132	-46.88	-13	-33.88	-60.89	-52.68	3.65	9.45	V	Pass
6843	-47.02	-13	-34.02	-62.27	-54.22	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3456	-50.20	-13	-37.20	-64.33	-54.57	3.12	7.49	H	Pass
5185	-46.65	-13	-33.65	-59.80	-52.45	3.65	9.45	H	Pass
6912	-45.15	-13	-32.15	-62.01	-52.35	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3456	-50.32	-13	-37.32	-63.14	-54.69	3.12	7.49	V	Pass
5184	-47.44	-13	-34.44	-61.45	-53.24	3.65	9.45	V	Pass
6912	-46.59	-13	-33.59	-61.84	-53.79	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20350 (High)	Frequency :	1750						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3492	-50.21	-13	-37.21	-64.34	-54.58	3.12	7.49	H	Pass
5237	-48.53	-13	-35.53	-61.68	-54.33	3.65	9.45	H	Pass
6984	-45.19	-13	-32.19	-62.05	-52.39	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20350 (High)	Frequency :	1750						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3492	-51.62	-13	-38.62	-64.44	-55.99	3.12	7.49	V	Pass
5237	-47.64	-13	-34.64	-61.65	-53.44	3.65	9.45	V	Pass
6984	-45.42	-13	-32.42	-60.67	-52.62	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20025 (Low)	Frequency :	1717.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain	(H/V)	
			(dB)	(dBm)	(dBm)	(dB)	(dBi)		
3423	-51.83	-13	-38.83	-65.96	-56.20	3.12	7.49	H	Pass
5133	-48.39	-13	-35.39	-61.54	-54.19	3.65	9.45	H	Pass
6843	-62.57	-13	-49.57	-62.57	-69.77	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20025 (Low)	Frequency :	1717.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	Limit	Reading	Power	loss	Gain	(H/V)	
			(dB)	(dBm)	(dBm)	(dB)	(dBi)		
3420	-45.71	-13	-32.71	-64.03	-50.08	3.12	7.49	V	Pass
5133	-47.99	-13	-34.99	-62	-53.79	3.65	9.45	V	Pass
6837	-45.21	-13	-32.21	-60.46	-52.41	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3453	-51.56	-13	-38.56	-65.69	-55.93	3.12	7.49	H	Pass
5178	-48.44	-13	-35.44	-61.59	-54.24	3.65	9.45	H	Pass
6903	-45.46	-13	-32.46	-62.32	-52.66	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3450	-51.22	-13	-38.22	-64.04	-55.59	3.12	7.49	V	Pass
5178	-47.54	-13	-34.54	-61.55	-53.34	3.65	9.45	V	Pass
6903	-48.55	-13	-35.55	-63.8	-55.75	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20325 (High)	Frequency :	1747.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3483	-51.90	-13	-38.90	-66.03	-56.27	3.12	7.49	H	Pass
5223	-49.38	-13	-36.38	-62.53	-55.18	3.65	9.45	H	Pass
6963	-44.66	-13	-31.66	-61.52	-51.86	4.15	11.35	H	Pass
8706	-36.26	-13	-23.26	-59.52	-45.05	4.65	13.44	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20325 (High)	Frequency :	1747.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3483	-53.75	-13	-40.75	-66.57	-58.12	3.12	7.49	V	Pass
5223	-47.87	-13	-34.87	-61.88	-53.67	3.65	9.45	V	Pass
6963	-47.59	-13	-34.59	-62.84	-54.79	4.15	11.35	V	Pass
8706	-41.10	-13	-28.10	-60.26	-49.89	4.65	13.44	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20050 (Low)	Frequency :	1720						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3420	-48.32	-13	-35.32	-62.45	-52.69	3.12	7.49	H	Pass
5133	-48.78	-13	-35.78	-61.93	-54.58	3.65	9.45	H	Pass
6843	-45.43	-13	-32.43	-62.29	-52.63	4.15	11.35	H	Pass
8556	-35.27	-13	-22.27	-58.53	-44.06	4.65	13.44	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20050 (Low)	Frequency :	1720						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3423	-49.65	-13	-36.65	-62.47	-54.02	3.12	7.49	V	Pass
5133	-47.07	-13	-34.07	-61.08	-52.87	3.65	9.45	V	Pass
6843	-46.95	-13	-33.95	-62.2	-54.15	4.15	11.35	V	Pass
8556	-41.85	-13	-28.85	-61.01	-50.64	4.65	13.44	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3447	-50.64	-13	-37.64	-64.77	-55.01	3.12	7.49	H	Pass
5172	-48.33	-13	-35.33	-61.48	-54.13	3.65	9.45	H	Pass
6894	-46.24	-13	-33.24	-63.10	-53.44	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20175 (Middle)	Frequency :	1732.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3447	-53.02	-13	-40.02	-65.84	-57.39	3.12	7.49	V	Pass
5172	-48.03	-13	-35.03	-62.04	-53.83	3.65	9.45	V	Pass
6894	-48.71	-13	-35.71	-63.96	-55.91	4.15	11.35	V	Pass



Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20300 (High)	Frequency :	1745						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3471	-50.55	-13	-37.55	-64.68	-54.92	3.12	7.49	H	Pass
5208	-48.83	-13	-35.83	-61.98	-54.63	3.65	9.45	H	Pass
6945	-45.23	-13	-32.23	-62.09	-52.43	4.15	11.35	H	Pass

Band :	LTE Band 4	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20300 (High)	Frequency :	1745						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
3471	-52.45	-13	-39.45	-65.27	-56.82	3.12	7.49	V	Pass
5208	-47.71	-13	-34.71	-61.72	-53.51	3.65	9.45	V	Pass
6945	-46.57	-13	-33.57	-61.82	-53.77	4.15	11.35	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20407 (Low)	Frequency :	824.7						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-55.84	-13	-42.84	-58.02	-57.73	1.86	5.90	H	Pass
2472	-54.77	-13	-41.77	-63.80	-57.11	2.31	6.80	H	Pass
3297	-53.38	-13	-40.38	-66.01	-55.78	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20407 (Low)	Frequency :	824.7						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1652	-57.75	-13	-44.75	-56.61	-59.64	1.86	5.90	V	Pass
2472	-52.80	-13	-39.80	-63.77	-55.14	2.31	6.80	V	Pass
3297	-51.20	-13	-38.20	-65.18	-53.60	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20525 (Middle)	Frequency :	836.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1672	-56.14	-13	-43.14	-58.32	-58.03	1.86	5.90	H	Pass
2508	-53.56	-13	-40.56	-62.59	-55.90	2.31	6.80	H	Pass
3345	-52.19	-13	-39.19	-64.82	-54.59	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20525 (Middle)	Frequency :	836.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1672	-57.40	-13	-44.40	-56.26	-59.29	1.86	5.90	V	Pass
2508	-52.26	-13	-39.26	-63.23	-54.60	2.31	6.80	V	Pass
3345	-50.96	-13	-37.96	-64.94	-53.36	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20643 (High)	Frequency :	848.3						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1696	-53.91	-13	-40.91	-56.09	-55.80	1.86	5.90	H	Pass
2543	-53.66	-13	-40.66	-62.69	-56.00	2.31	6.80	H	Pass
3393	-52.56	-13	-39.56	-65.19	-54.96	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20643 (High)	Frequency :	848.3						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1696	-47.04	-13	-34.04	-50.83	-48.93	1.86	5.90	V	Pass
2544	-50.40	-13	-37.40	-61.37	-52.74	2.31	6.80	V	Pass
3393	-51.44	-13	-38.44	-65.42	-53.84	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20415 (Low)	Frequency :	825.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-55.44	-13	-42.44	-57.62	-57.33	1.86	5.90	H	Pass
2472	-54.53	-13	-41.53	-63.56	-56.87	2.31	6.80	H	Pass
3297	-53.69	-13	-40.69	-66.32	-56.09	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20415 (Low)	Frequency :	825.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-56.71	-13	-43.71	-55.73	-58.60	1.86	5.90	V	Pass
2472	-52.77	-13	-39.77	-63.74	-55.11	2.31	6.80	V	Pass
3297	-51.78	-13	-38.78	-65.76	-54.18	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20525 (Middle)	Frequency :	836.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1670	-54.64	-13	-41.64	-56.82	-56.53	1.86	5.90	H	Pass
2504	-54.05	-13	-41.05	-63.08	-56.39	2.31	6.80	H	Pass
3339	-53.01	-13	-40.01	-65.64	-55.41	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20525 (Middle)	Frequency :	836.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1670	-59.30	-13	-46.30	-58.16	-61.19	1.86	5.90	V	Pass
2504	-49.01	-13	-36.01	-59.98	-51.35	2.31	6.80	V	Pass
3339	-52.35	-13	-39.35	-66.33	-54.75	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20635 (High)	Frequency :	847.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1692	-54.48	-13	-41.48	-56.66	-56.37	1.86	5.90	H	Pass
2539	-54.52	-13	-41.52	-63.55	-56.86	2.31	6.80	H	Pass
3384	-52.96	-13	-39.96	-65.59	-55.36	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20635 (High)	Frequency :	847.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1692	-46.71	-13	-33.71	-50.67	-48.60	1.86	5.90	V	Pass
2539	-52.00	-13	-39.00	-62.97	-54.34	2.31	6.80	V	Pass
3384	-52.33	-13	-39.33	-66.31	-54.73	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20425 (Low)	Frequency :	826.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-56.04	-13	-43.04	-58.22	-57.93	1.86	5.90	H	Pass
2472	-53.65	-13	-40.65	-62.68	-55.99	2.31	6.80	H	Pass
3297	-53.27	-13	-40.27	-65.90	-55.67	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20425 (Low)	Frequency :	826.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-56.93	-13	-43.93	-55.83	-58.82	1.86	5.90	V	Pass
2472	-52.45	-13	-39.45	-63.42	-54.79	2.31	6.80	V	Pass
3297	-52.18	-13	-39.18	-66.16	-54.58	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20525 (Middle)	Frequency :	836.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1668	-55.72	-13	-42.72	-57.90	-57.61	1.86	5.90	H	Pass
2504	-54.18	-13	-41.18	-63.21	-56.52	2.31	6.80	H	Pass
3339	-52.49	-13	-39.49	-65.12	-54.89	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20525 (Middle)	Frequency :	836.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1668	-53.95	-13	-40.95	-54.67	-55.84	1.86	5.90	V	Pass
2504	-46.48	-13	-33.48	-58.63	-48.82	2.31	6.80	V	Pass
3339	-51.30	-13	-38.30	-65.28	-53.70	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20625 (High)	Frequency :	846.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1688	-53.37	-13	-40.37	-55.55	-55.26	1.86	5.90	H	Pass
2534	-53.64	-13	-40.64	-62.67	-55.98	2.31	6.80	H	Pass
3378	-52.63	-13	-39.63	-65.26	-55.03	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20625 (High)	Frequency :	846.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1688	-45.36	-13	-32.36	-49.91	-47.25	1.86	5.90	V	Pass
2534	-51.86	-13	-38.86	-62.83	-54.20	2.31	6.80	V	Pass
3378	-51.55	-13	-38.55	-65.53	-53.95	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20450 (Low)	Frequency :	829						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-55.06	-13	-42.06	-57.24	-56.95	1.86	5.90	H	Pass
2474	-53.94	-13	-40.94	-62.97	-56.28	2.31	6.80	H	Pass
3297	-53.19	-13	-40.19	-65.82	-55.59	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20450 (Low)	Frequency :	829						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1648	-55.63	-13	-42.63	-55.27	-57.52	1.86	5.90	V	Pass
2474	-52.32	-13	-39.32	-63.29	-54.66	2.31	6.80	V	Pass
3297	-51.73	-13	-38.73	-65.71	-54.13	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20525 (Middle)	Frequency :	836.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1664	-52.76	-13	-39.76	-54.94	-54.65	1.86	5.90	H	Pass
2496	-54.27	-13	-41.27	-63.30	-56.61	2.31	6.80	H	Pass
3327	-52.56	-13	-39.56	-65.19	-54.96	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20525 (Middle)	Frequency :	836.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1664	-47.58	-13	-34.58	-52.39	-49.47	1.86	5.90	V	Pass
2496	-50.57	-13	-37.57	-61.54	-52.91	2.31	6.80	V	Pass
3327	-51.41	-13	-38.41	-65.39	-53.81	2.85	7.40	V	Pass



Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20600 (High)	Frequency :	844						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1680	-55.66	-13	-42.66	-57.84	-57.55	1.86	5.90	H	Pass
2419	-53.52	-13	-40.52	-62.55	-55.86	2.31	6.80	H	Pass
3360	-52.37	-13	-39.37	-65.00	-54.77	2.85	7.40	H	Pass

Band :	LTE Band 5	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20600 (High)	Frequency :	844						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1678	-53.53	-13	-40.53	-54.17	-55.42	1.86	5.90	V	Pass
2519	-51.66	-13	-38.66	-62.63	-54.00	2.31	6.80	V	Pass
3360	-51.09	-13	-38.09	-65.07	-53.49	2.85	7.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20775 (Low)	Frequency :	2502.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	Gain	(H/V)	
				Reading	Power	loss	(dBi)		
5000	-47.72	-25	-22.72	-61.70	-53.50	3.49	9.27	H	Pass
7500	-44.94	-25	-19.94	-61.48	-52.73	4.28	12.07	H	Pass
10000	-41.71	-25	-16.71	-63.10	-49.01	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20775 (Low)	Frequency :	2502.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	(dB)	(dBm)	(dBm)	(dB)	Gain	(H/V)	
				Reading	Power	loss	(dBi)		
5000	-48.55	-25	-23.55	-62.71	-54.33	3.49	9.27	V	Pass
7500	-45.03	-25	-20.03	-62.05	-52.82	4.28	12.07	V	Pass
10000	-42.63	-25	-17.63	-63.73	-49.93	5.1	12.40	V	Pass



Band :	LTE Band 7		Temperature :	22~23°C					
Test Mode :	5MHz QPSK RB Size 1 Offset 0		Relative Humidity :	40~41%					
Channel :	21100 (Middle)		Frequency :	2535					
Test Engineer :	Nick Su		Polarization :	Horizontal					
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5066	-49.06	-25	-24.06	-63.04	-54.84	3.49	9.27	H	Pass
7597.5	-46.26	-25	-21.26	-62.80	-54.05	4.28	12.07	H	Pass
10128	-42.05	-25	-17.05	-63.44	-49.35	5.1	12.40	H	Pass

Band :	LTE Band 7		Temperature :	22~23°C					
Test Mode :	5MHz QPSK RB Size 1 Offset 0		Relative Humidity :	40~41%					
Channel :	21100 (Middle)		Frequency :	2535					
Test Engineer :	Nick Su		Polarization :	Vertical					
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5066	-47.57	-25	-22.57	-61.73	-53.35	3.49	9.27	V	Pass
7597.5	-45.42	-25	-20.42	-62.44	-53.21	4.28	12.07	V	Pass
10128	-43.18	-25	-18.18	-64.28	-50.48	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21425 (High)	Frequency :	2567.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5129	-48.06	-25	-23.06	-62.04	-53.84	3.49	9.27	H	Pass
7695	-44.57	-25	-19.57	-61.11	-52.36	4.28	12.07	H	Pass
10260	-41.68	-25	-16.68	-63.07	-48.98	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21425 (High)	Frequency :	2567.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5129	-48.87	-25	-23.87	-63.03	-54.65	3.49	9.27	V	Pass
7695	-44.10	-25	-19.10	-61.12	-51.89	4.28	12.07	V	Pass
10260	-41.41	-25	-16.41	-62.51	-48.71	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20800 (Low)	Frequency :	2505						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-48.69	-25	-23.69	-62.67	-54.47	3.49	9.27	H	Pass
7500	-44.57	-25	-19.57	-61.11	-52.36	4.28	12.07	H	Pass
10000	-41.95	-25	-16.95	-63.34	-49.25	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20800 (Low)	Frequency :	2505						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-47.52	-25	-22.52	-61.68	-53.30	3.49	9.27	V	Pass
7500	-46.34	-25	-21.34	-63.36	-54.13	4.28	12.07	V	Pass
10000	-42.39	-25	-17.39	-63.49	-49.69	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21100 (Middle)	Frequency :	2535						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5060	-47.20	-25	-22.20	-61.18	-52.98	3.49	9.27	H	Pass
7592	-44.63	-25	-19.63	-61.17	-52.42	4.28	12.07	H	Pass
10120	-43.37	-25	-18.37	-64.76	-50.67	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21100 (Middle)	Frequency :	2535						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5060	-46.92	-25	-21.92	-61.08	-52.70	3.49	9.27	V	Pass
7592	-44.73	-25	-19.73	-61.75	-52.52	4.28	12.07	V	Pass
10120	-43.47	-25	-18.47	-64.57	-50.77	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21400 (High)	Frequency :	2565						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	(dB)	Reading	Power	loss	Gain	(H/V)	
				(dBm)	(dBm)	(dB)	(dBi)		
5120	-48.20	-25	-23.20	-62.18	-53.98	3.49	9.27	H	Pass
7680	-45.05	-25	-20.05	-61.59	-52.84	4.28	12.07	H	Pass
10240	-42.76	-25	-17.76	-64.15	-50.06	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21400 (High)	Frequency :	2565						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency	EIRP	Limit	Over	SPA	S.G.	TX Cable	TX Antenna	Polarization	Result
(MHz)	(dBm)	(dBm)	(dB)	Reading	Power	loss	Gain	(H/V)	
				(dBm)	(dBm)	(dB)	(dBi)		
5120	-48.31	-25	-23.31	-62.47	-54.09	3.49	9.27	V	Pass
7520	-45.81	-25	-20.81	-62.83	-53.60	4.28	12.07	V	Pass
10240	-43.43	-25	-18.43	-64.53	-50.73	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20825 (Low)	Frequency :	2507.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-48.50	-25	-23.50	-62.48	-54.28	3.49	9.27	H	Pass
7500	-45.96	-25	-20.96	-62.50	-53.75	4.28	12.07	H	Pass
10000	-42.49	-25	-17.49	-63.88	-49.79	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20825 (Low)	Frequency :	2507.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-48.23	-25	-23.23	-62.39	-54.01	3.49	9.27	V	Pass
7500	-45.35	-25	-20.35	-62.37	-53.14	4.28	12.07	V	Pass
10000	-41.85	-25	-16.85	-62.95	-49.15	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21100 (Middle)	Frequency :	2535						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5054	-47.41	-25	-22.41	-61.39	-53.19	3.49	9.27	H	Pass
7582.5	-45.92	-25	-20.92	-62.46	-53.71	4.28	12.07	H	Pass
10112	-42.57	-25	-17.57	-63.96	-49.87	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21100 (Middle)	Frequency :	2535						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5055	-47.18	-25	-22.18	-61.34	-52.96	3.49	9.27	V	Pass
7583	-45.18	-25	-20.18	-62.2	-52.97	4.28	12.07	V	Pass
10112	-43.45	-25	-18.45	-64.55	-50.75	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21375 (High)	Frequency :	2562.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5111	-48.48	-25	-23.48	-62.46	-54.26	3.49	9.27	H	Pass
7665	-43.75	-25	-18.75	-60.29	-51.54	4.28	12.07	H	Pass
10220	-42.89	-25	-17.89	-64.28	-50.19	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	15MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21375 (High)	Frequency :	2562.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5111	-48.20	-25	-23.20	-62.36	-53.98	3.49	9.27	V	Pass
7664	-44.14	-25	-19.14	-61.16	-51.93	4.28	12.07	V	Pass
10220	-43.21	-25	-18.21	-64.31	-50.51	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20850 (Low)	Frequency :	2510						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-48.91	-25	-23.91	-62.89	-54.69	3.49	9.27	H	Pass
7500	-46.21	-25	-21.21	-62.75	-54.00	4.28	12.07	H	Pass
10000	-41.76	-25	-16.76	-63.15	-49.06	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	20850 (Low)	Frequency :	2510						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5000	-48.66	-25	-23.66	-62.82	-54.44	3.49	9.27	V	Pass
7500	-45.77	-25	-20.77	-62.79	-53.56	4.28	12.07	V	Pass
10000	-40.94	-25	-15.94	-62.04	-48.24	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21100 (Middle)	Frequency :	2535						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5051	-48.13	-25	-23.13	-62.11	-53.91	3.49	9.27	H	Pass
7575	-46.74	-25	-21.74	-63.28	-54.53	4.28	12.07	H	Pass
10100	-42.86	-25	-17.86	-64.25	-50.16	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21100 (Middle)	Frequency :	2535						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5051	-48.00	-25	-23.00	-62.16	-53.78	3.49	9.27	V	Pass
7575	-46.11	-25	-21.11	-63.13	-53.90	4.28	12.07	V	Pass
10100	-43.06	-25	-18.06	-64.16	-50.36	5.1	12.40	V	Pass



Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21350 (High)	Frequency :	2560						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5099	-48.05	-25	-23.05	-62.03	-53.83	3.49	9.27	H	Pass
7650	-45.34	-25	-20.34	-61.88	-53.13	4.28	12.07	H	Pass
10200	-43.13	-25	-18.13	-64.52	-50.43	5.1	12.40	H	Pass

Band :	LTE Band 7	Temperature :	22~23°C						
Test Mode :	20MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	21350 (High)	Frequency :	2560						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
5099	-49.11	-25	-24.11	-63.27	-54.89	3.49	9.27	V	Pass
7650	-44.95	-25	-19.95	-61.97	-52.74	4.28	12.07	V	Pass
10200	-41.76	-25	-16.76	-62.86	-49.06	5.1	12.40	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23017 (Low)	Frequency :	699.7						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1400	-61.37	-13	-48.37	-57.79	-62.35	1.75	4.88	H	Pass
2098	-54.32	-13	-41.32	-60.33	-55.94	2.16	5.93	H	Pass
2797	-54.59	-13	-41.59	-65.01	-56.62	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23017 (Low)	Frequency :	699.7						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1400	-59.63	-13	-46.63	-58.1	-60.61	1.75	4.88	V	Pass
2098	-52.60	-13	-39.60	-60.58	-54.22	2.16	5.93	V	Pass
2796	-53.45	-13	-40.45	-64.96	-55.48	2.48	6.66	V	Pass



Band :	LTE Band 12		Temperature :	22~23°C					
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0		Relative Humidity :	40~41%					
Channel :	23095 (Middle)		Frequency :	707.5					
Test Engineer :	Nick Su		Polarization :	Horizontal					
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1414	-59.92	-13	-46.92	-56.34	-60.90	1.75	4.88	H	Pass
2121	-55.26	-13	-42.26	-61.27	-56.88	2.16	5.93	H	Pass
2829	-54.72	-13	-41.72	-65.14	-56.75	2.48	6.66	H	Pass

Band :	LTE Band 12		Temperature :	22~23°C					
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0		Relative Humidity :	40~41%					
Channel :	23095 (Middle)		Frequency :	707.5					
Test Engineer :	Nick Su		Polarization :	Vertical					
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1414	-58.73	-13	-45.73	-57.2	-59.71	1.75	4.88	V	Pass
2121	-53.26	-13	-40.26	-61.24	-54.88	2.16	5.93	V	Pass
2828	-52.88	-13	-39.88	-64.39	-54.91	2.48	6.66	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23173 (High)	Frequency :	715.3						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1430	-60.92	-13	-47.92	-57.34	-61.90	1.75	4.88	H	Pass
2145	-54.79	-13	-41.79	-60.80	-56.41	2.16	5.93	H	Pass
2860	-55.02	-13	-42.02	-65.44	-57.05	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	1.4MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23173 (High)	Frequency :	715.3						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1430	-59.38	-13	-46.38	-57.85	-60.36	1.75	4.88	V	Pass
2145	-52.92	-13	-39.92	-60.9	-54.54	2.16	5.93	V	Pass
2830	-54.24	-13	-41.24	-65.75	-56.27	2.48	6.66	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23025 (Low)	Frequency :	700.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1398	-60.54	-13	-47.54	-56.96	-61.52	1.75	4.88	H	Pass
2098	-55.36	-13	-42.36	-61.37	-56.98	2.16	5.93	H	Pass
2797	-54.90	-13	-41.90	-65.32	-56.93	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23025 (Low)	Frequency :	700.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1398	-59.01	-13	-46.01	-57.48	-59.99	1.75	4.88	V	Pass
2098	-53.30	-13	-40.30	-61.28	-54.92	2.16	5.93	V	Pass
2797	-53.08	-13	-40.08	-64.59	-55.11	2.48	6.66	V	Pass



Band :	LTE Band 12		Temperature :	22~23°C					
Test Mode :	3MHz QPSK RB Size 1 Offset 0		Relative Humidity :	40~41%					
Channel :	23095 (Middle)		Frequency :	707.5					
Test Engineer :	Nick Su		Polarization :	Horizontal					
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-60.90	-13	-47.90	-57.32	-61.88	1.75	4.88	H	Pass
2119	-55.47	-13	-42.47	-61.48	-57.09	2.16	5.93	H	Pass
2825	-54.85	-13	-41.85	-65.27	-56.88	2.48	6.66	H	Pass

Band :	LTE Band 12		Temperature :	22~23°C					
Test Mode :	3MHz QPSK RB Size 1 Offset 0		Relative Humidity :	40~41%					
Channel :	23095 (Middle)		Frequency :	707.5					
Test Engineer :	Nick Su		Polarization :	Vertical					
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-58.75	-13	-45.75	-57.22	-59.73	1.75	4.88	V	Pass
2119	-53.18	-13	-40.18	-61.16	-54.80	2.16	5.93	V	Pass
2825	-53.45	-13	-40.45	-64.96	-55.48	2.48	6.66	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23165 (High)	Frequency :	714.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1426	-60.57	-13	-47.57	-56.99	-61.55	1.75	4.88	H	Pass
2140	-55.24	-13	-42.24	-61.25	-56.86	2.16	5.93	H	Pass
2853	-54.42	-13	-41.42	-64.84	-56.45	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	3MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23165 (High)	Frequency :	714.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1426	-58.79	-13	-45.79	-57.26	-59.77	1.75	4.88	V	Pass
2140	-54.33	-13	-41.33	-62.31	-55.95	2.16	5.93	V	Pass
2852	-54.23	-13	-41.23	-65.74	-56.26	2.48	6.66	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23035 (Low)	Frequency :	701.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1400	-61.10	-13	-48.10	-57.52	-62.08	1.75	4.88	H	Pass
2099	-55.42	-13	-42.42	-61.43	-57.04	2.16	5.93	H	Pass
2798	-55.35	-13	-42.35	-65.77	-57.38	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23035 (Low)	Frequency :	701.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1400	-59.41	-13	-46.41	-57.88	-60.39	1.75	4.88	V	Pass
2099	-53.14	-13	-40.14	-61.12	-54.76	2.16	5.93	V	Pass
2798	-53.51	-13	-40.51	-65.02	-55.54	2.48	6.66	V	Pass



Band :	LTE Band 12			Temperature :	22~23°C				
Test Mode :	5MHz QPSK RB Size 1 Offset 0			Relative Humidity :	40~41%				
Channel :	23095 (Middle)			Frequency :	707.5				
Test Engineer :	Nick Su			Polarization :	Horizontal				
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-62.11	-13	-49.11	-58.53	-63.09	1.75	4.88	H	Pass
2117	-55.82	-13	-42.82	-61.83	-57.44	2.16	5.93	H	Pass
2882	-54.85	-13	-41.85	-65.27	-56.88	2.48	6.66	H	Pass

Band :	LTE Band 12			Temperature :	22~23°C				
Test Mode :	5MHz QPSK RB Size 1 Offset 0			Relative Humidity :	40~41%				
Channel :	23095 (Middle)			Frequency :	707.5				
Test Engineer :	Nick Su			Polarization :	Vertical				
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-59.39	-13	-46.39	-57.86	-60.37	1.75	4.88	V	Pass
2117	-52.96	-13	-39.96	-60.94	-54.58	2.16	5.93	V	Pass
2882	-52.29	-13	-39.29	-63.8	-54.32	2.48	6.66	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23155 (High)	Frequency :	713.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1424	-61.78	-13	-48.78	-58.20	-62.76	1.75	4.88	H	Pass
2135	-55.44	-13	-42.44	-61.45	-57.06	2.16	5.93	H	Pass
2836	-54.77	-13	-41.77	-65.19	-56.80	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23155 (High)	Frequency :	713.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1424	-60.02	-13	-47.02	-58.49	-61.00	1.75	4.88	V	Pass
2135	-54.19	-13	-41.19	-62.17	-55.81	2.16	5.93	V	Pass
2846	-54.05	-13	-41.05	-65.56	-56.08	2.48	6.66	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23060 (Low)	Frequency :	704						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1400	-59.86	-13	-46.86	-56.28	-60.84	1.75	4.88	H	Pass
2099	-55.33	-13	-42.33	-61.34	-56.95	2.16	5.93	H	Pass
2799	-54.03	-13	-41.03	-64.45	-56.06	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23060 (Low)	Frequency :	704						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1400	-59.11	-13	-46.11	-57.58	-60.09	1.75	4.88	V	Pass
2099	-53.24	-13	-40.24	-61.22	-54.86	2.16	5.93	V	Pass
2799	-52.21	-13	-39.21	-63.72	-54.24	2.48	6.66	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23095 (Middle)	Frequency :	707.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1406	-60.44	-13	-47.44	-56.86	-61.42	1.75	4.88	H	Pass
2110	-54.84	-13	-41.84	-60.85	-56.46	2.16	5.93	H	Pass
2812	-53.96	-13	-40.96	-64.38	-55.99	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23095 (Middle)	Frequency :	707.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1406	-58.33	-13	-45.33	-56.8	-59.31	1.75	4.88	V	Pass
2110	-52.80	-13	-39.80	-60.78	-54.42	2.16	5.93	V	Pass
2812	-52.47	-13	-39.47	-63.98	-54.50	2.48	6.66	V	Pass



Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23130 (High)	Frequency :	711						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-61.13	-13	-48.13	-57.55	-62.11	1.75	4.88	H	Pass
2120	-55.63	-13	-42.63	-61.64	-57.25	2.16	5.93	H	Pass
2827	-53.95	-13	-40.95	-64.37	-55.98	2.48	6.66	H	Pass

Band :	LTE Band 12	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23130 (High)	Frequency :	711						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-59.09	-13	-46.09	-57.56	-60.07	1.75	4.88	V	Pass
2120	-54.05	-13	-41.05	-62.03	-55.67	2.16	5.93	V	Pass
2828	-53.98	-13	-40.98	-65.49	-56.01	2.48	6.66	V	Pass



Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23755 (Low)	Frequency :	706.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1408	-59.63	-13	-46.63	-56.05	-60.61	1.75	4.88	H	Pass
2114	-54.80	-13	-41.80	-60.81	-56.42	2.16	5.93	H	Pass
2818	-52.94	-13	-39.94	-63.36	-54.97	2.48	6.66	H	Pass

Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23755 (Low)	Frequency :	706.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1409	-56.82	-13	-43.82	-55.29	-57.80	1.75	4.88	V	Pass
2114	-53.11	-13	-40.11	-61.09	-54.73	2.16	5.93	V	Pass
2818	-52.65	-13	-39.65	-64.16	-54.68	2.48	6.66	V	Pass



Band :	LTE Band 17		Temperature :	22~23°C					
Test Mode :	5MHz QPSK RB Size 1 Offset 0		Relative Humidity :	40~41%					
Channel :	23790 (Middle)		Frequency :	710					
Test Engineer :	Nick Su		Polarization :	Horizontal					
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1416	-60.51	-13	-47.51	-56.93	-61.49	1.75	4.88	H	Pass
2124	-54.80	-13	-41.80	-60.81	-56.42	2.16	5.93	H	Pass
2832	-53.81	-13	-40.81	-64.23	-55.84	2.48	6.66	H	Pass

Band :	LTE Band 17		Temperature :	22~23°C					
Test Mode :	5MHz QPSK RB Size 1 Offset 0		Relative Humidity :	40~41%					
Channel :	23790 (Middle)		Frequency :	710					
Test Engineer :	Nick Su		Polarization :	Vertical					
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1416	-58.25	-13	-45.25	-56.72	-59.23	1.75	4.88	V	Pass
2124	-53.76	-13	-40.76	-61.74	-55.38	2.16	5.93	V	Pass
2832	-51.85	-13	-38.85	-63.36	-53.88	2.48	6.66	V	Pass



Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23825 (High)	Frequency :	713.5						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1424	-59.89	-13	-46.89	-56.31	-60.87	1.75	4.88	H	Pass
2135	-54.97	-13	-41.97	-60.98	-56.59	2.16	5.93	H	Pass
2846	-52.66	-13	-39.66	-63.08	-54.69	2.48	6.66	H	Pass

Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	5MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23825 (High)	Frequency :	713.5						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1424	-58.05	-13	-45.05	-56.52	-59.03	1.75	4.88	V	Pass
2135	-52.16	-13	-39.16	-60.14	-53.78	2.16	5.93	V	Pass
2846	-52.14	-13	-39.14	-63.65	-54.17	2.48	6.66	V	Pass



Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23780 (Low)	Frequency :	709						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1408	-60.13	-13	-47.13	-56.55	-61.11	1.75	4.88	H	Pass
2114	-54.90	-13	-41.90	-60.91	-56.52	2.16	5.93	H	Pass
2819	-53.33	-13	-40.33	-63.75	-55.36	2.48	6.66	H	Pass

Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23780 (Low)	Frequency :	709						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1409	-58.32	-13	-45.32	-56.79	-59.30	1.75	4.88	V	Pass
2114	-52.81	-13	-39.81	-60.79	-54.43	2.16	5.93	V	Pass
2818	-51.80	-13	-38.80	-63.31	-53.83	2.48	6.66	V	Pass



Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23790 (Middle)	Frequency :	710						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-60.28	-13	-47.28	-56.70	-61.26	1.75	4.88	H	Pass
2116	-53.70	-13	-40.70	-59.71	-55.32	2.16	5.93	H	Pass
2820	-52.30	-13	-39.30	-62.72	-54.33	2.48	6.66	H	Pass

Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23790 (Middle)	Frequency :	710						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-57.99	-13	-44.99	-56.46	-58.97	1.75	4.88	V	Pass
2117	-53.09	-13	-40.09	-61.07	-54.71	2.16	5.93	V	Pass
2824	-51.67	-13	-38.67	-63.18	-53.70	2.48	6.66	V	Pass



Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23800 (High)	Frequency :	711						
Test Engineer :	Nick Su	Polarization :	Horizontal						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1412	-60.49	-13	-47.49	-56.91	-61.47	1.75	4.88	H	Pass
2120	-54.97	-13	-41.97	-60.98	-56.59	2.16	5.93	H	Pass
2827	-52.76	-13	-39.76	-63.18	-54.79	2.48	6.66	H	Pass

Band :	LTE Band 17	Temperature :	22~23°C						
Test Mode :	10MHz QPSK RB Size 1 Offset 0	Relative Humidity :	40~41%						
Channel :	23800 (High)	Frequency :	711						
Test Engineer :	Nick Su	Polarization :	Vertical						
Remark :	Spurious emissions below 1GHz were found more than 20dB below limit line.								
Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)	Result
1413	-57.75	-13	-44.75	-56.22	-58.73	1.75	4.88	V	Pass
2120	-53.39	-13	-40.39	-61.37	-55.01	2.16	5.93	V	Pass
2827	-52.85	-13	-39.85	-64.36	-54.88	2.48	6.66	V	Pass

3.8 Frequency Stability Measurement

3.8.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

3.8.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

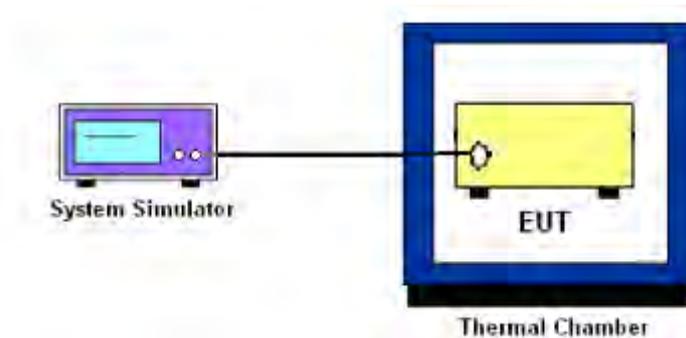
3.8.3 Test Procedures for Temperature Variation

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
3. With power OFF, the temperature was raised in 10°C step up to 50°C . The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.8.4 Test Procedures for Voltage Variation

1. The EUT was placed in a temperature chamber at $25\pm 5^{\circ}\text{C}$ and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

3.8.5 Test Setup





3.8.6 Test Result of Temperature Variation (FCC)

Band :	LTE Band 2 (QPSK)	Limit (ppm) :	within authorized band
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0011		PASS
40	0.0029		
30	0.0022		
20(Ref.)	0.0000		
10	0.0005		
0	0.0060		
-10	0.0088		
-20	0.0007		
-30	0.0037		

Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Band :	LTE Band 4 (QPSK)	Limit (ppm) :	within authorized band
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0016		PASS
40	0.0014		
30	0.0001		
20(Ref.)	0.0000		
10	0.0010		
0	0.0058		
-10	0.0004		
-20	0.0024		
-30	0.0016		

Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Band :	LTE Band 5 (QPSK)	Limit (ppm) :	2.5
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0018		PASS
40	0.0047		
30	0.0027		
20(Ref.)	0.0000		
10	0.0001		
0	0.0023		
-10	0.0111		
-20	0.0013		
-30	0.0037		

Band :	LTE Band 7 (QPSK)	Limit (ppm) :	within authorized band
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0006		PASS
40	0.0009		
30	0.0016		
20(Ref.)	0.0000		
10	0.0043		
0	0.0018		
-10	0.0015		
-20	0.0022		
-30	0.0017		

Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



Band :	LTE Band 12 (QPSK)	Limit (ppm) :	within authorized band
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0110		PASS
40	0.0061		
30	0.0144		
20(Ref.)	0.0000		
10	0.0017		
0	0.0047		
-10	0.0110		
-20	0.0172		
-30	0.0044		

Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

Band :	LTE Band 17 (QPSK)	Limit (ppm) :	within authorized band
Temperature (°C)	BW 10MHz		Result
	Deviation (ppm)		
50	0.0306		PASS
40	0.0089		
30	0.0015		
20(Ref.)	0.0000		
10	0.0139		
0	0.0327		
-10	0.0039		
-20	0.0023		
-30	0.0239		

Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



3.8.7 Test Result of Voltage Variation

Band	Bandwidth	Voltage (Volt)	Deviation (ppm)	Limit (ppm)	Result
LTE Band 2	10M	4.35	0.0038	(Note 3.)	PASS
		Normal	0.0038		
		3.40	0.0005		
LTE Band 4	10M	4.35	0.0034	(Note 3.)	PASS
		Normal	0.0005		
		3.40	0.0018		
LTE Band 5	10M	4.35	0.0055	2.5	PASS
		Normal	0.0013		
		3.40	0.0050		
LTE Band 7	10M	4.35	0.0030	(Note 3.)	PASS
		Normal	0.0002		
		3.40	0.0002		
LTE Band 12	10M	4.35	0.0130	(Note 3.)	PASS
		Normal	0.0187		
		3.40	0.0164		
LTE Band 17	10M	4.35	0.0215	(Note 3.)	PASS
		Normal	0.0166		
		3.40	0.0117		

Remark:

1. Normal Voltage = 3.80V.
2. The manufacturer declared that the EUT could work properly between voltage 3.40V ~ 4.35V.
3. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV30	101338	9kHz~30GHz	May 04, 2014	Jan. 22, 2015~ Apr. 04, 2015	May 03, 2015	Conducted (TH01-KS)
Thermal Chamber	Ten Billion	TTC-B3S	TBN-960502	-40~+150°C	Oct. 25, 2014	Jan. 22, 2015~ Apr. 04, 2015	Oct. 24, 2015	Conducted (TH01-KS)
EMI Test Receiver	R&S	ESR7	101403	9kHz~7GHz;Max 30dBm	Sep. 29, 2014	May 27, 2015~ May 29, 2015	Sep. 28, 2015	Radiation (03CH02-KS)
Spectrum Analyzer	R&S	FSV40	101040	10kHz~40GHz;Ma x 30dBm	Sep. 25, 2014	May 27, 2015~ May 29, 2015	Sep. 24, 2015	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6112D	37879	30MHz-2GHz	Sep. 13, 2014	May 27, 2015~ May 29, 2015	Sep. 12, 2015	Radiation (03CH02-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	75957	1GHz~18GHz	Nov. 08, 2014	May 27, 2015~ May 29, 2015	Nov. 07, 2015	Radiation (03CH02-KS)
Active Horn Antenna	com-power	AHA-118	701030	1GHz~18GHz	Nov. 08, 2014	May 27, 2015~ May 29, 2015	Nov. 07, 2015	Radiation (03CH02-KS)
SHF-EHF Horn	com-power	AH-840	101070	18GHz~40GHz	Sep. 04, 2014	May 27, 2015~ May 29, 2015	Sep. 03, 2015	Radiation (03CH02-KS)
Amplifier	com-power	PA-103A	161069	1kHz ~1000MHz / 32 dB	May 04, 2015	May 27, 2015~ May 29, 2015	May 03, 2016	Radiation (03CH02-KS)
Amplifier	Agilent	8449B	3008A02384	1-26.5GHz Gain 30dB	Oct. 28, 2014	May 27, 2015~ May 29, 2015	Oct. 27, 2015	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	6160100024 73	N/A	NCR	May 27, 2015~ May 29, 2015	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	May 27, 2015~ May 29, 2015	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	May 27, 2015~ May 29, 2015	NCR	Radiation (03CH02-KS)



5 Uncertainty of Evaluation

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	5.1 dB
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APPENDIX B. Product Equality Declaration

LTE Band 4	NO	No	No						
LTE Band 5	NO	No	No						
LTE Band 7	NO	No	No						
LTE Band 12	NO	No	No	No	No	No	Yes	Yes	No
LTE Band 17	NO	No	No	No	No	No	Yes	Yes	No

	Antenna	AP	Modem	Transceiver	Power Amplifier	Balun	Band pass filter	Diplexer
Bluetooth	No	No	No	No	No	No	No	No
Wi-Fi	No	No	No	No	No	No	No	No

- FM changes: No
- LCD/ Speaker/ Camera/ Vibrator changes: No (indicated the changed items if yes)
- Other changes detailed:

● **MECHANICAL MODIFICATIONS:**

- Use new metal front/back cover or keypad: No
- Mechanical shell changes:
Whole size of EUT: No
Distance of Ear reference point to bottom of handset: No
Other trinkets to change the surface of handset: No
- Other changes detailed:

APPROVED BY:

Project Manager:

Signature:

Date:

Daniel Ji
2015.3.18