

4.7 RADIATED EMISSION MEASUREMENT

4.7.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission equal to -13dBm

4.7.2 TEST PROCEDURES

- a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- c. EIRP = Output power level of S.G TX cable loss + Antenna gain of substitution horn.
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power 2.15dBi.

NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

4.7.3 DEVIATION FROM TEST STANDARD

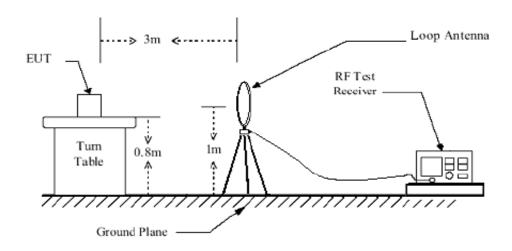
No deviation

Report No.: RF171110W004-6 Page No. 120 / 168 Report Format Version: 6.1.1

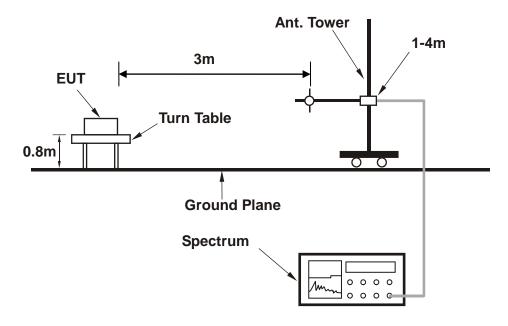


4.7.4 TEST SETUP

<Below 30MHz>

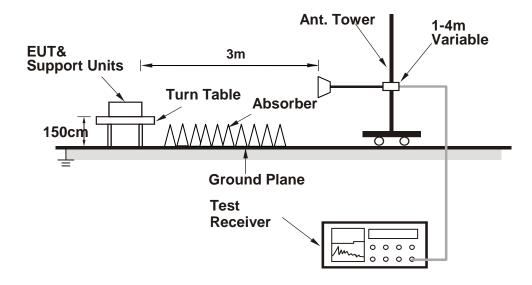


< Frequency Range 30MHz~1GHz >





< Frequency Range above 1GHz >



For the actual test configuration, please refer to the attached file (Test Setup Photo).

Report No.: RF171110W004-6 Page No. 122 / 168 Report Format Version: 6.1.1



4.7.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

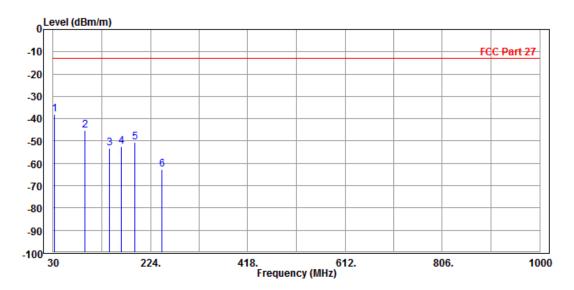
9 KHz – 30 KHz data: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

30 MHz – 1GHz data:

LTE Band 17:

MODE	TX channel 23790	FREQUENCY RANGE	Below 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	31.940	-38.06	-54.73	-13.00	-25.06	16.67	Peak	Horizontal
2	93.050	-45.40	-35.71	-13.00	-32.40	-9.69	Peak	Horizontal
3	142.520	-53.40	-34.19	-13.00	-40.40	-19.21	Peak	Horizontal
4	165.800	-52.64	-34.38	-13.00	-39.64	-18.26	Peak	Horizontal
5	192.960	-50.66	-33.24	-13.00	-37.66	-17.42	Peak	Horizontal
6	246.310	-62.67	-46.32	-13.00	-49.67	-16.35	Peak	Horizontal

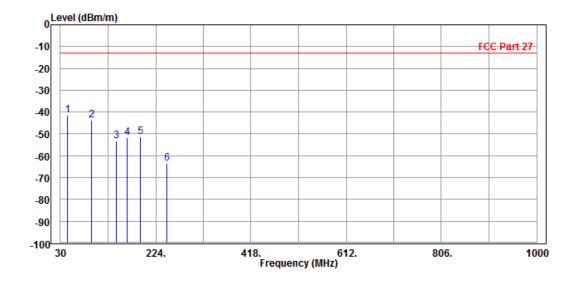


Report No.: RF171110W004-6 Page No. 123 / 168 Report Format Version: 6.1.1



MODE	TX channel 23790	FREQUENCY RANGE	Below 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M					

	Freq	Level	Read Level	Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	44.550	-41.37	-38.36	-13.00	-28.37	-3.01	Peak	Vertical
2	93.050	-43.56	-32.98	-13.00	-30.56	-10.58	Peak	Vertical
3	143.490	-53.17	-37.21	-13.00	-40.17	-15.96	Peak	Vertical
4	165.800	-51.73	-37.07	-13.00	-38.73	-14.66	Peak	Vertical
5	192.960	-51.45	-39.92	-13.00	-38.45	-11.53	Peak	Vertical
6	247.280	-63.57	-52.10	-13.00	-50.57	-11.47	Peak	Vertical





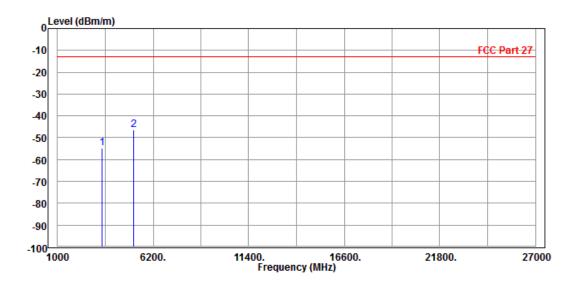
ABOVE 1GHz

Note: For higher frequency, the emission is too low to be detected.

WCDMA Band IV:

MODE	TX channel 1312	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

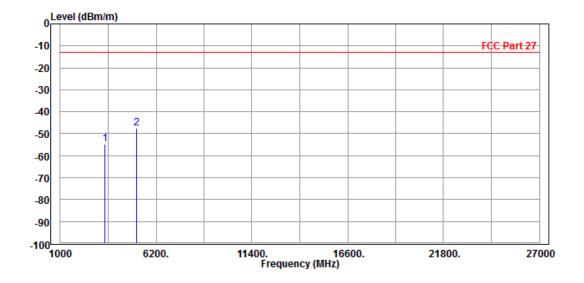
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
_		3418.000 5137.200							Horizontal Horizontal





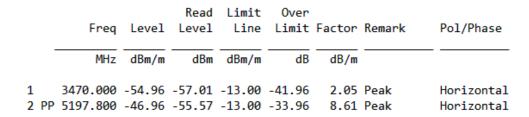
MODE	TX channel 1312	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

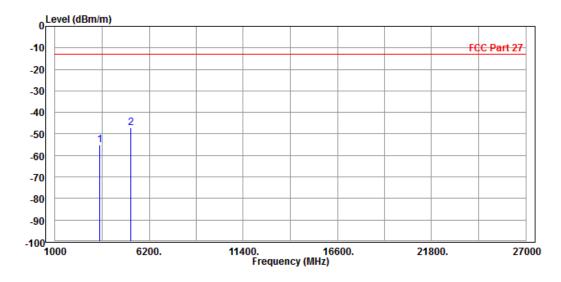
	Freq	Level			Over Limit		Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 2 PP	3418.000 5137.200							Vertical Vertical





MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

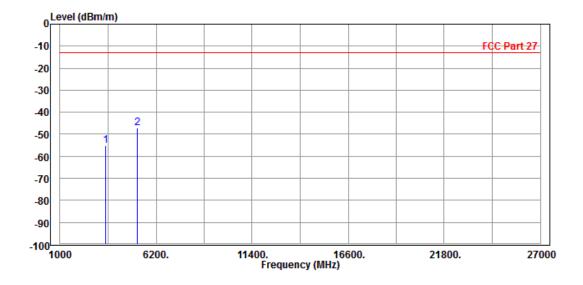






MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

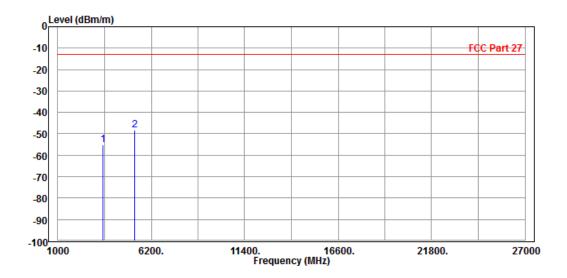
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	——dB	dB/m		
1 2		3470.000 5197.800							Vertical Vertical





MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

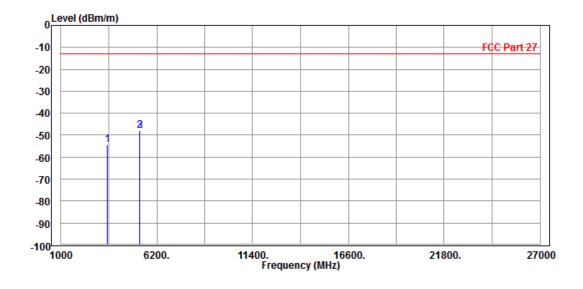
			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3496.000	-55.11	-57.26	-13.00	-42.11	2.15	Peak	Horizontal
2 PP	5257.800	-48.19	-56.87	-13.00	-35.19	8.68	Peak	Horizontal





MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	BY Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
_	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3496.000	-54.21	-56.77	-13.00	-41.21	2.56	Peak	Vertical
2 PP	5257.800	-48.09	-56.07	-13.00	-35.09	7.98	Peak	Vertical
3	5264.000	-48.09	-56.07	-13.00	-35.09	7.98	Peak	Vertical

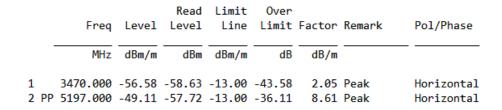


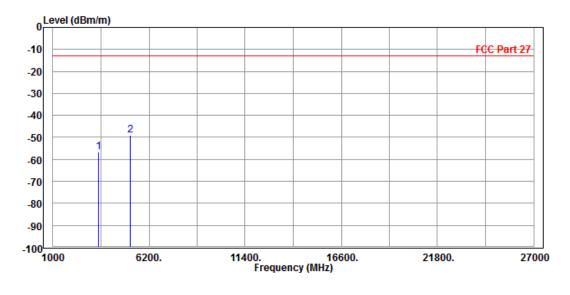


LTE BAND 4

CHANNEL BANDWIDTH: 1.4MHz/QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

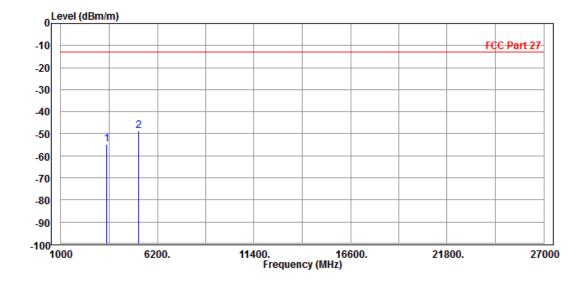






MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

Freq	Level		Limit Line	 Factor	Remark	Pol/Phase
		——dBm		 		
	•		•	,		Vanti1
1 3470.000 2 PP 5197.000				 		Vertical Vertical

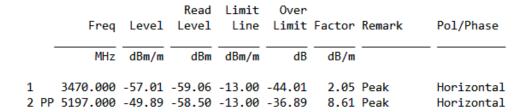


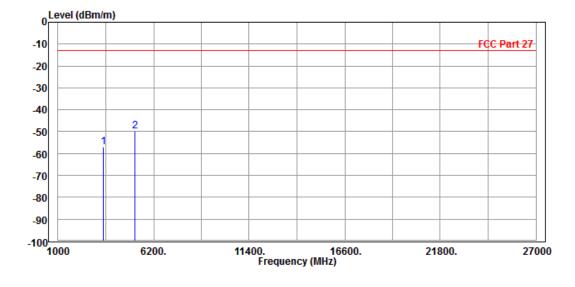


Report Format Version: 6.1.1

CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang						
ANTENN	ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

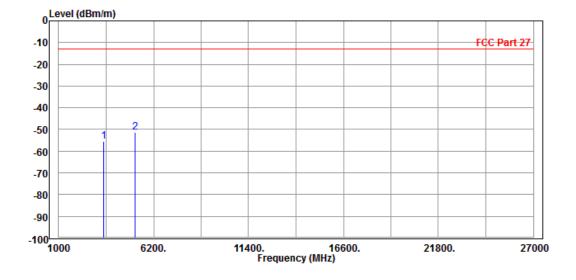






MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

		Freq	Level	Read Level Level		Over Limit	Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1		3470.000 5197.000							Vertical Vertical

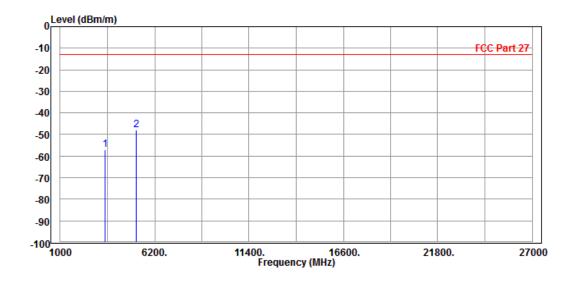




CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

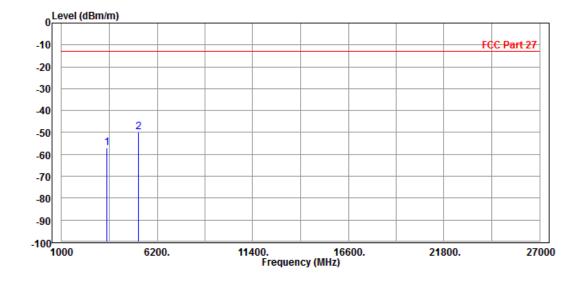
	Freq	Level	Read Limit Over Level Level Line Limit Factor		Factor	or Remark Pol/Ph		
	MHz	dBm/m	dBm	dBm/m	——dB	dB/m		
1 2 PF	3470.000 5197.000							Horizontal Horizontal





MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

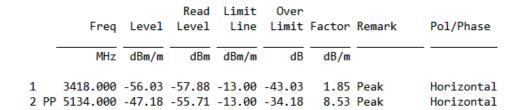
	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 2 PP	3470.000 5197.000							Vertical Vertical

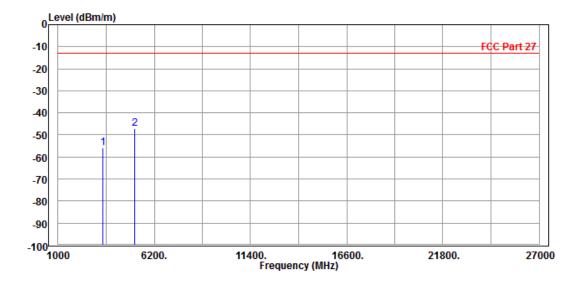




CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 20000	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

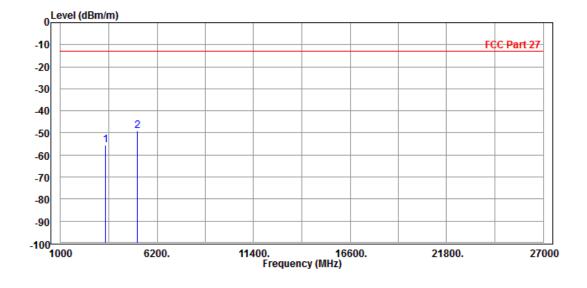






MODE	TX channel 20000	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

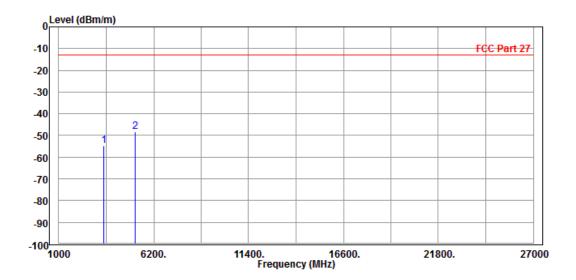
Freq	Level		Limit Line		Factor	Remark	Pol/Phase
MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 3418.000 2 PP 5134.000							Vertical Vertical





MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

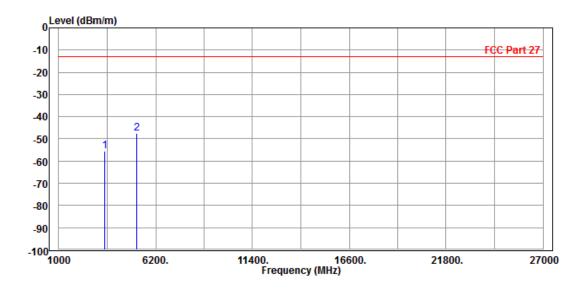
	Freq	Level		Limit Line			Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	——dB	dB/m		
1 2 PP	3470.000 5197.000							Horizontal Horizontal





MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

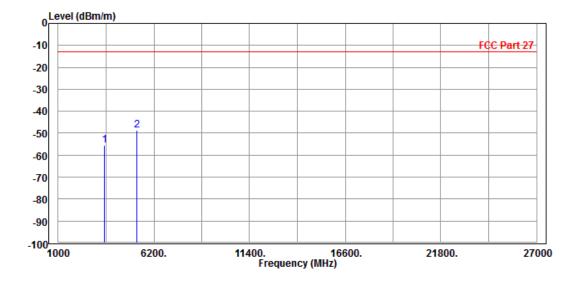
	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 2 P	3470.000 P 5197.000							Vertical Vertical





MODE	TX channel 20350	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

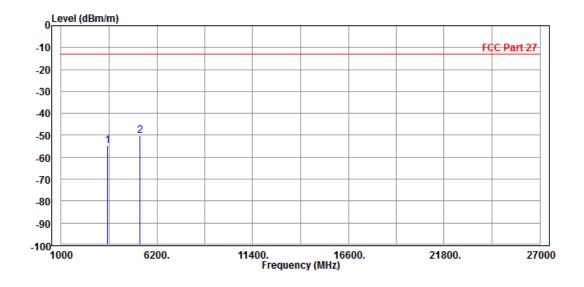
	Frea	Level		Limit		Factor	Remark	Pol/Phase
_							remark	
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3496.000	-55.49	-57.64	-13.00	-42.49	2.15	Peak	Horizontal
2 PP	5260.000	-48.68	-57.36	-13.00	-35.68	8.68	Peak	Horizontal





MODE	TX channel 20350	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

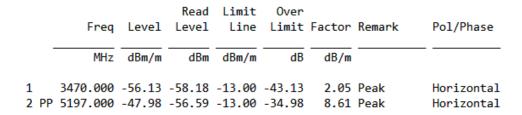
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 2		3496.000 5260.000							Vertical Vertical

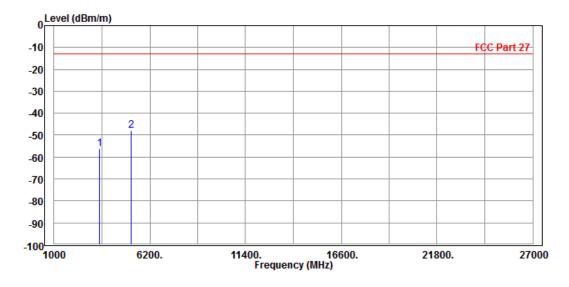




CHANNEL BANDWIDTH: 15MHz/QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter					
TESTED BY	Simon Yang	Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

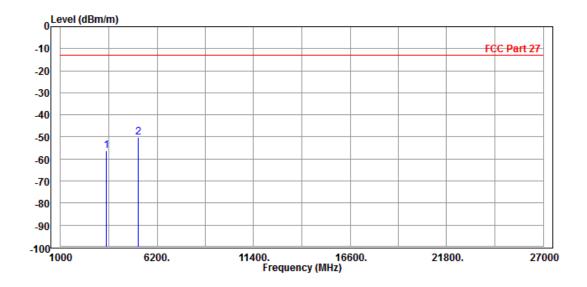






MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

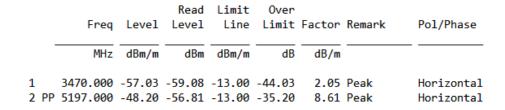
				Read	Limit	0ver				
		Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase	
		MHz	dBm/m	dBm	dBm/m	dB	dB/m			
1	347	70.000	-56.31	-58.84	-13.00	-43.31	2.53	Peak	Vertical	
2 F	P 519	97.000	-50.11	-58.09	-13.00	-37.11	7.98	Peak	Vertical	

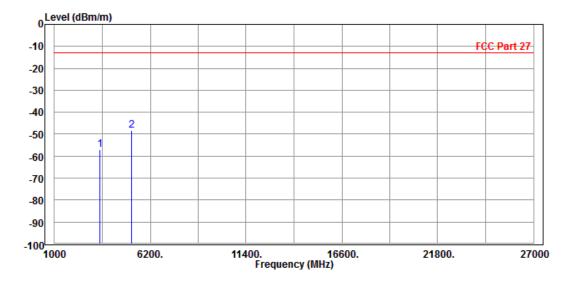




CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter					
TESTED BY	Simon Yang	Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

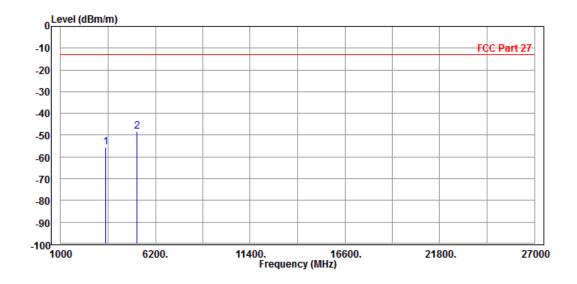






MODE	TX channel 20175	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	Freq	Level		Limit Line		Factor	Remark	Pol/Phase	
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m			
_	3470.000 5197.000							Vertical Vertical	

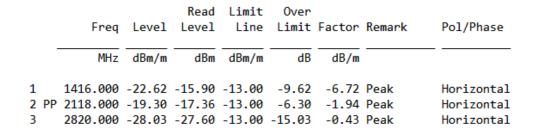


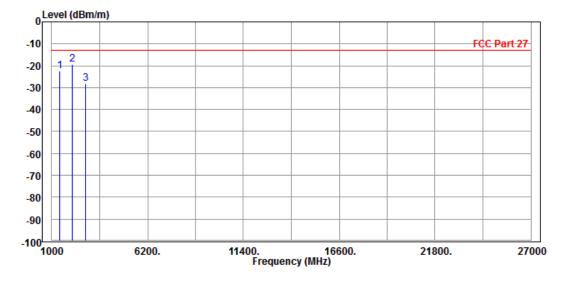


LTE BAND 12

CHANNEL BANDWIDTH: 1.4MHz / QPSK

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter					
TESTED BY	Simon Yang	Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

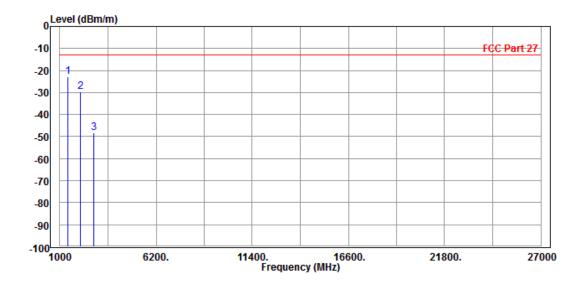






MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

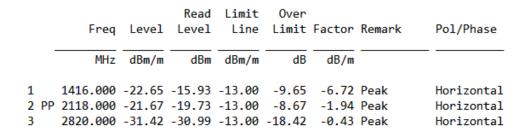
			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1416.000	-22.85	-17.41	-13.00	-9.85	-5.44	Peak	Vertical
2	2118.000	-29.51	-29.27	-13.00	-16.51	-0.24	Peak	Vertical
3	2820.000	-48.22	-49.40	-13.00	-35.22	1.18	Peak	Vertical

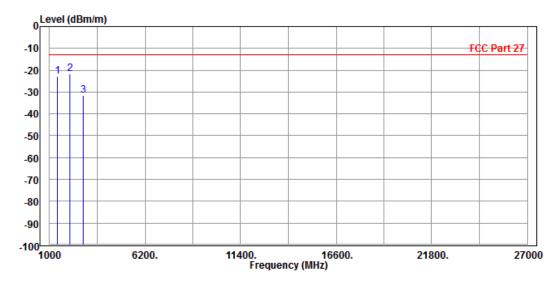




CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

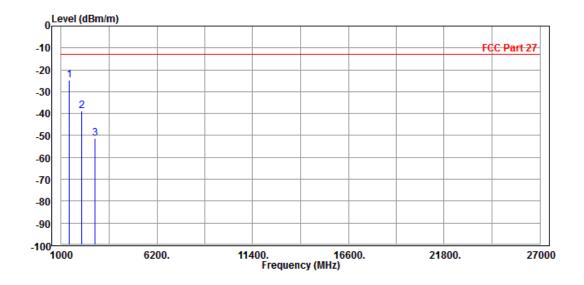






MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

		Read	Limit	0ver			
Fre	q Level	Level	Line	Limit	Factor	Remark	Pol/Phase
MH	z dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 1416.00	0 -24.81	-19.37	-13.00	-11.81	-5.44	Peak	Vertical
2 2118.00	0 -38.85	-38.61	-13.00	-25.85	-0.24	Peak	Vertical
3 2820.00	0 -51.36	-52.54	-13.00	-38.36	1.18	Peak	Vertical

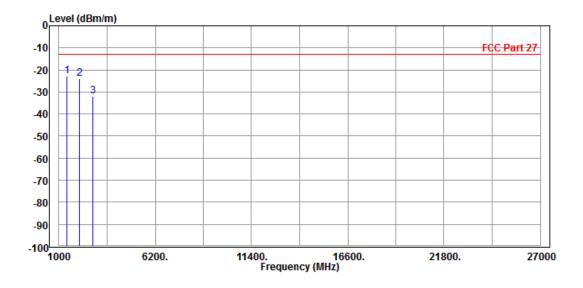




CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M						

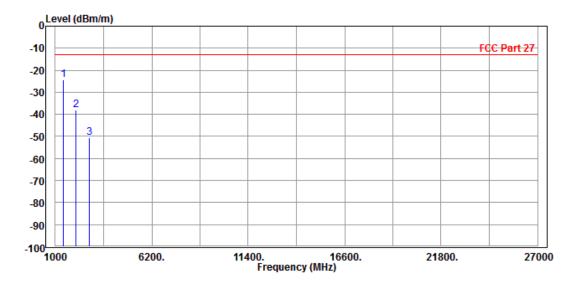
	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		-
1 PP 2 3	1416.000 2118.000 2820.000	-23.85	-21.91	-13.00	-10.85	-1.94	Peak	Horizontal Horizontal Horizontal





MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter			
TESTED BY Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M						

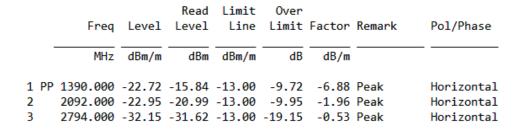
		Read	Limit	0ver			
Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 1416.000	-24.35	-18.91	-13.00	-11.35	-5.44	Peak	Vertical
2 2118.000	-38.18	-37.94	-13.00	-25.18	-0.24	Peak	Vertical
3 2820.000	-50.64	-51.82	-13.00	-37.64	1.18	Peak	Vertical

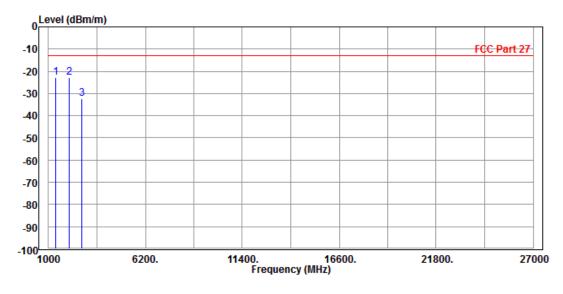




CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 23060	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	STED BY Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

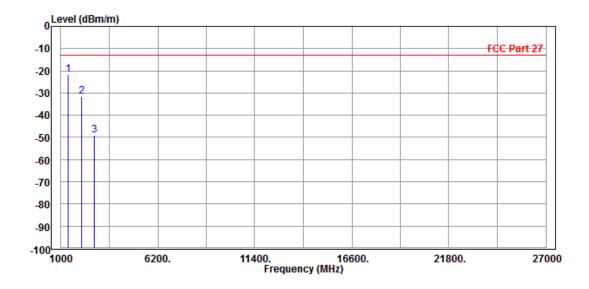






MODE	TX channel 23060	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

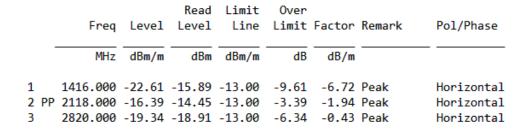
	F	1 1		Limit		F	DI	D-1 /Db
	Freq	revel	revel	Line	Limit	Factor	Kemark	Pol/Phase
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1390.000	-21.69	-16.09	-13.00	-8.69	-5.60	Peak	Vertical
2	2092.000	-31.53	-31.28	-13.00	-18.53	-0.25	Peak	Vertical
3	2794.000	-49.19	-50.26	-13.00	-36.19	1.07	Peak	Vertical

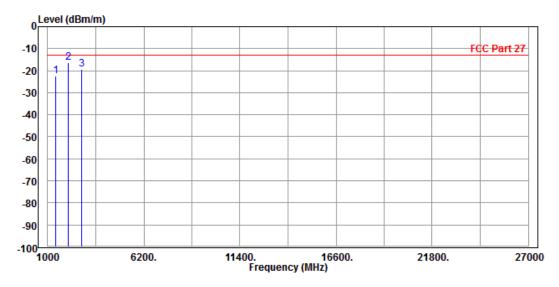




Report Format Version: 6.1.1

MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	0%RH INPUT POWER					
TESTED BY	Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

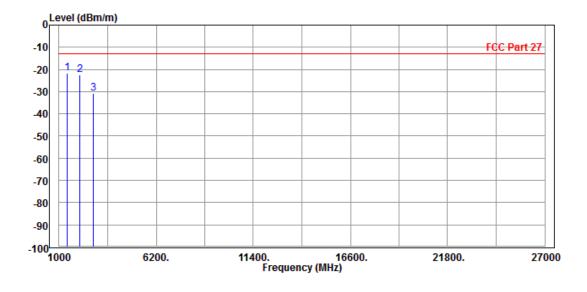






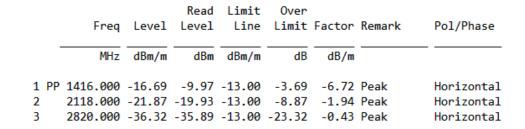
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter					
TESTED BY	Simon Yang	imon Yang						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								

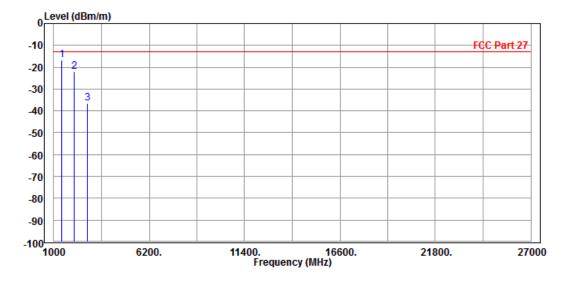
		Read	Limit	0ver			
Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 1416.000	-21.53	-16.09	-13.00	-8.53	-5.44	Peak	Vertical
2 2118.000	-22.57	-22.33	-13.00	-9.57	-0.24	Peak	Vertical
3 2820.000	-30.74	-31.92	-13.00	-17.74	1.18	Peak	Vertical





MODE	TX channel 23130	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

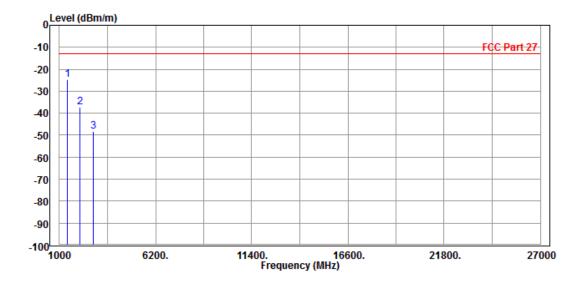






MODE	TX channel 23130	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang	imon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

		Read	Limit	0ver			
Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 1416.000	-24.76	-19.32	-13.00	-11.76	-5.44	Peak	Vertical
2 2118.000	-37.14	-36.90	-13.00	-24.14	-0.24	Peak	Vertical
3 2820.000	-48.47	-49.65	-13.00	-35.47	1.18	Peak	Vertical

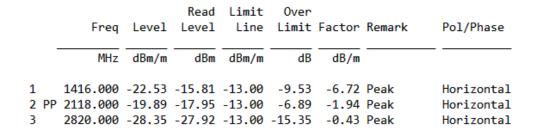


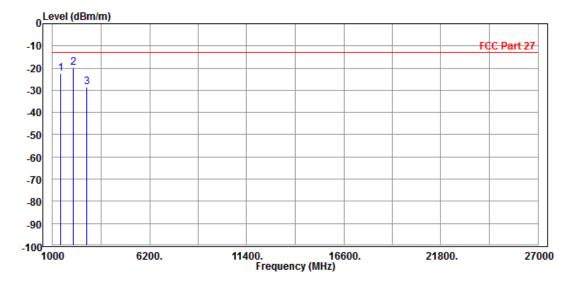


LTE Band 17

CHANNEL BANDWIDTH: 5MHz/QPSK

MODE	TX channel 23755	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter					
TESTED BY	Simon Yang	Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

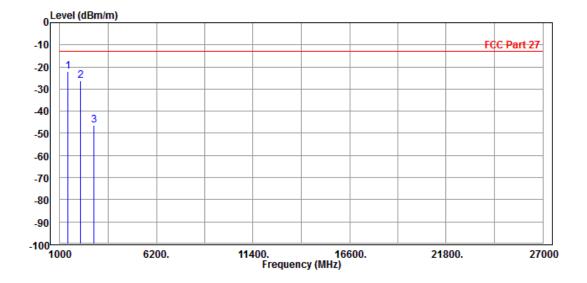






MODE	TX channel 23755	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

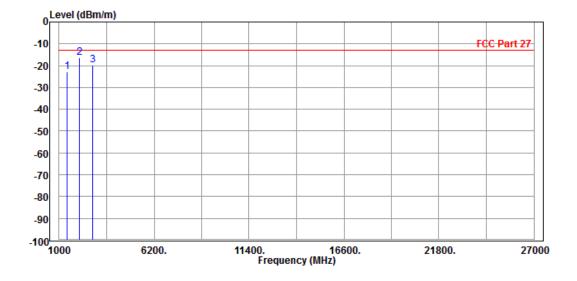
			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1416.000	-22.17	-16.73	-13.00	-9.17	-5.44	Peak	Vertical
2	2118.000	-26.17	-25.93	-13.00	-13.17	-0.24	Peak	Vertical
3	2820.000	-46.43	-47.61	-13.00	-33.43	1.18	Peak	Vertical





MODE	TX channel 23790	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

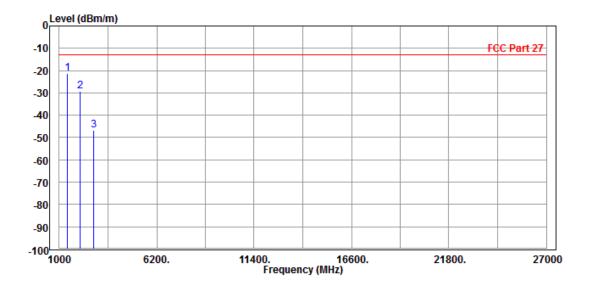
			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-22.65	-15.93	-13.00	-9.65	-6.72	Peak	Horizontal
2 PP	2118.000	-16.46	-14.52	-13.00	-3.46	-1.94	Peak	Horizontal
3	2820.000	-19.77	-19.34	-13.00	-6.77	-0.43	Peak	Horizontal





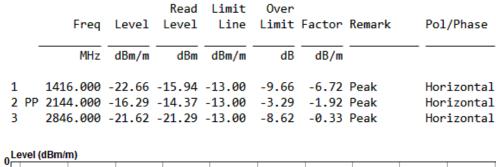
MODE	TX channel 23790	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter				
TESTED BY	Simon Yang	Simon Yang					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

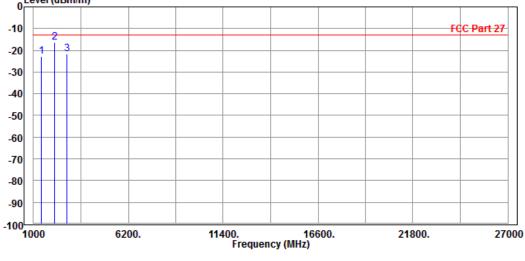
				Read	Limit	0ver			
		Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dRm	dRm/m	dB	dB/m		
		1112	abiii/ iii	abiii	abiii, iii	ub	ub/ III		
4	DD	1416 000	24 40	15.00	12.00	0 40	F 44	DI-	V1
T	۲P	1416.000	-21.40	-15.96	-13.00	-8.40	-5.44	reak	Vertical
2		2118.000	-29.28	-29.04	-13.00	-16.28	-0.24	Peak	Vertical
3		2820.000	-46.69	-47.87	-13.00	-33.69	1.18	Peak	Vertical





MODE	TX channel 23825	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

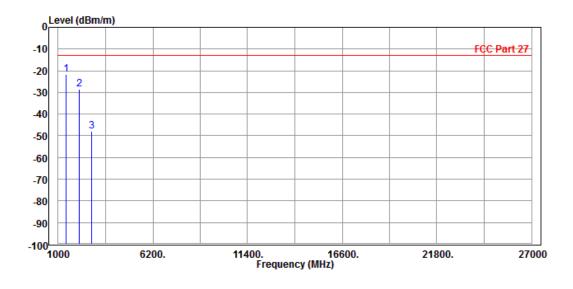






MODE	TX channel 23825	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M					

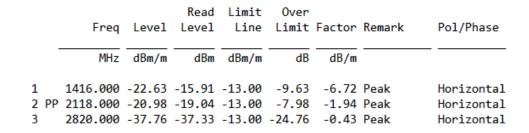
			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
_								
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1416.000	-21.66	-16.22	-13.00	-8.66	-5.44	Peak	Vertical
2	2144.000	-28.49	-28.25	-13.00	-15.49	-0.24	Peak	Vertical
3	2846.000	-48.03	-49.31	-13.00	-35.03	1.28	Peak	Vertical

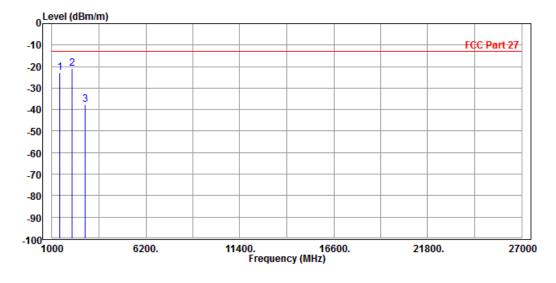




CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 23790	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M					

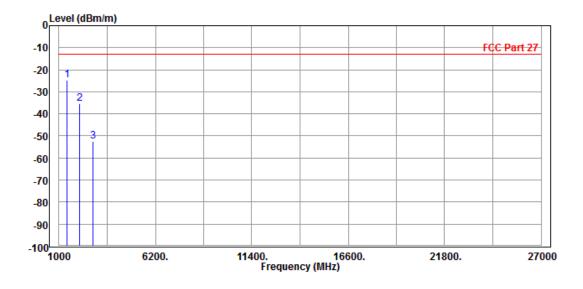






MODE	TX channel 23790	Above 1000MHz			
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5/9V from adapter		
TESTED BY	Simon Yang				
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M					

Freq	Level		Limit Line		Factor	Remark	Pol/Phase
MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP 1416.000 2 2118.000							Vertical Vertical
3 2820.000	-52.50	-53.68	-13.00	-39.50	1.18	Peak	Vertical



Note: The test, calibration and test results are compliance with the A2LA (Certificate # 3939.01).



5 INFORMATION ON THE TESTING LABORATORIES

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab

Tel: 886-2-26052180 Fax: 886-2-26051924

Hwa Ya EMC/RF/Safety

Tel: 886-3-3183232 Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com
Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

Report No.: RF171110W004-6 Page No. 167 / 168 Report Format Version: 6.1.1



6 APPENDIX A – MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.

---END---

Report No.: RF171110W004-6 Page No. 168 / 168 Report Format Version: 6.1.1