

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13dBm.

3.6.2 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.

NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

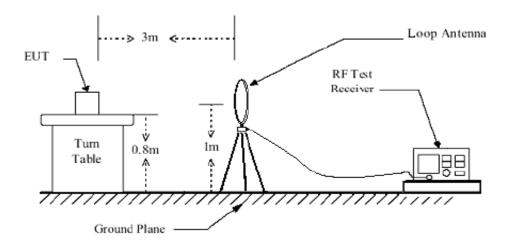
3.6.3 DEVIATION FROM TEST STANDARD

No deviation

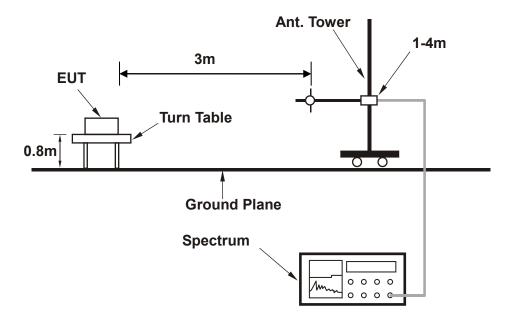


3.6.4 TEST SETUP

<Below 30MHz>

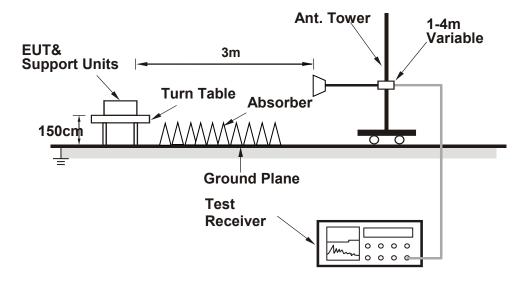


< Frequency Range 30MHz~1GHz >





< Frequency Range above 1GHz >



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



3.6.5 TEST RESULTS

BELOW 1GHz WORST-CASE DATA

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

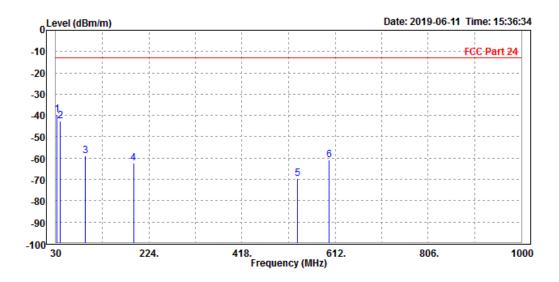
30 MHz - 1GHz data:

LTE Band 25

CHANNEL BANDWIDTH: 1.4MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Below 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le	Star Le					
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

	Freq	Level	Read Level			Factor	Remark	Pol/Phase
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	31.940	-39.42	-56.09	-13.00	-26.42	16.67	Peak	Horizontal
2	39.700	-42.46	-54.54	-13.00	-29.46	12.08	Peak	Horizontal
3	91.110	-58.92	-49.64	-13.00	-45.92	-9.28	Peak	Horizontal
4	191.990	-62.17	-44.72	-13.00	-49.17	-17.45	Peak	Horizontal
5	533.430	-69.50	-59.68	-13.00	-56.50	-9.82	Peak	Horizontal
6	599.390	-60.87	-52.17	-13.00	-47.87	-8.70	Peak	Horizontal

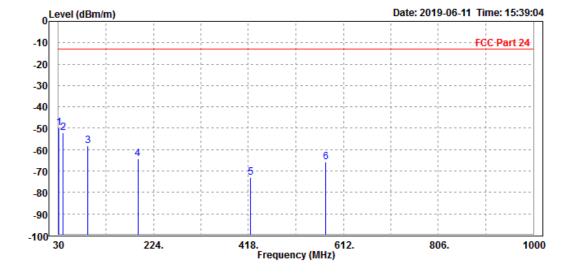


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MODE	TX channel 26365	FREQUENCY RANGE	Below 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le	Star Le					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	Freq	Level	Read Level	Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	30.970	-49.94	-53.98	-13.00	-36.94	4.04	Peak	Vertical
2	38.730	-52.12	-50.83	-13.00	-39.12	-1.29	Peak	Vertical
3	90.140	-58.13	-47.59	-13.00	-45.13	-10.54	Peak	Vertical
4	191.990	-64.28	-52.63	-13.00	-51.28	-11.65	Peak	Vertical
5	422.850	-72.85	-62.76	-13.00	-59.85	-10.09	Peak	Vertical
6	576.110	-65.74	-58.42	-13.00	-52.74	-7.32	Peak	Vertical





ABOVE 1GHz DATA

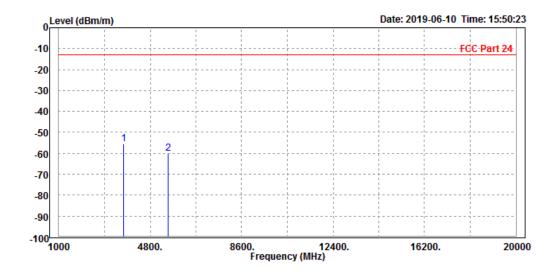
Note: For higher frequency, the emission is too low to be detected.

CDMA BC1

CH 25

MODE	TX channel 25	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	Tony							
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 PF	3698.000	-55.53	-64.31	-13.00	-42.53	8.78	Peak	Horizontal
-	FFF3 7FA	CO 20	70 40	43.00	47 00	40.00	D 1	
2	5553.750	-60.20	-/0.40	-13.00	-4/.20	10.20	Peak	Horizontal

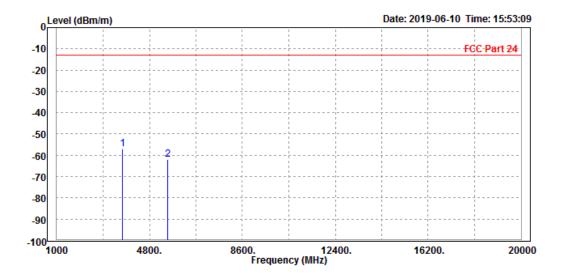


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MODE	TX channel 25	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Tony						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3698.000 5553.750							Vertical Vertical



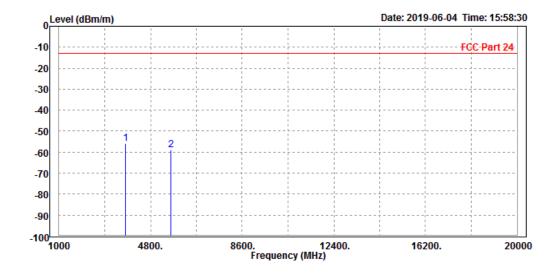
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CH 600

MODE	TX channel 600	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Tony						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

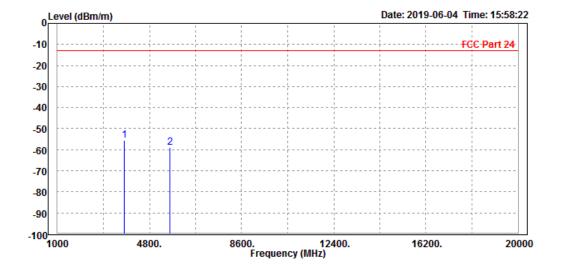
	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PF	3755.000 5640.000							Horizontal Horizontal





MODE	TX channel 600	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Tony						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	Freq	Level	Limit Line	Factor	Remark	Pol/Phase
		dBm/m	 	 		
1 PP 2	3755.000 5640.000		 	 		Vertical Vertical

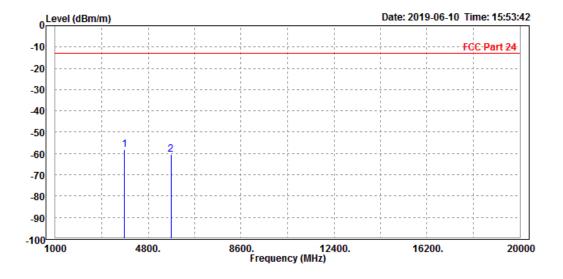




CH 1175

MODE	TX channel 1175	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	TESTED BY Tony							
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		
		G.D.II./ III		a.c,		u.c./		
1 DD	3812.000	58 24	67 15	13 00	15 21	g Q1	Pook	Horizontal
T LL	3012.000	-30.24	-07.13	-15.00	-43.24	0.51	reak	HOPIZOHCAI
2	5726.250	-60.39	-71.16	-13.00	-47.39	10.77	Peak	Horizontal



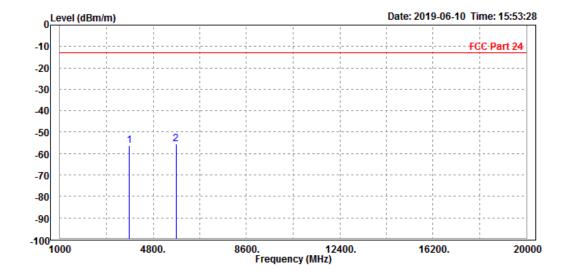
Tel: +86 755 8869 6566



CH 1175

MODE	TX channel 1175	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	TESTED BY Tony							
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		
_		3812.000 5726.250							Vertical Vertical

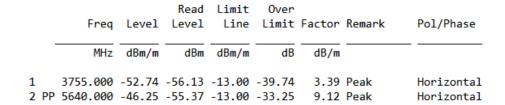


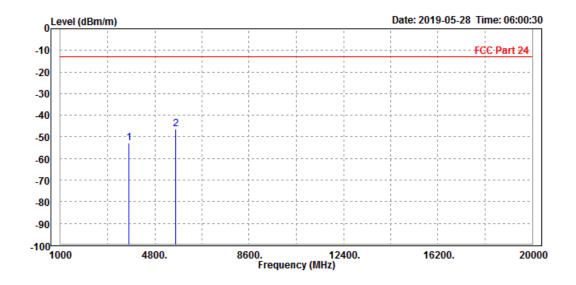


LTE Band 2

CHANNEL BANDWIDTH: 1.4MHz / QPSK

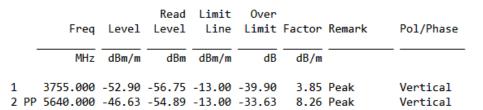
MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	TESTED BY Star Le							
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

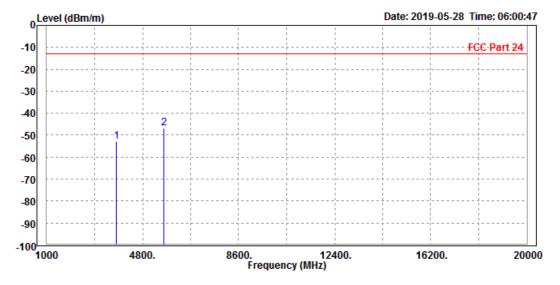






MODE	TX channel 18900 FREQUENCY RANG		Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	rested by Star Le						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

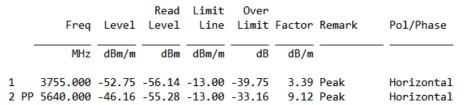


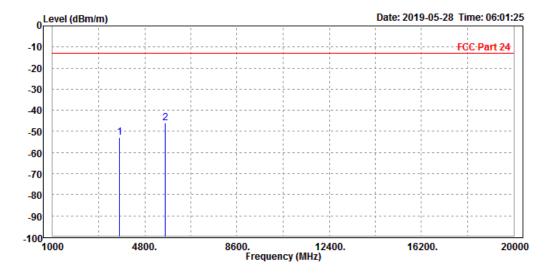




CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	TESTED BY Star Le							
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								





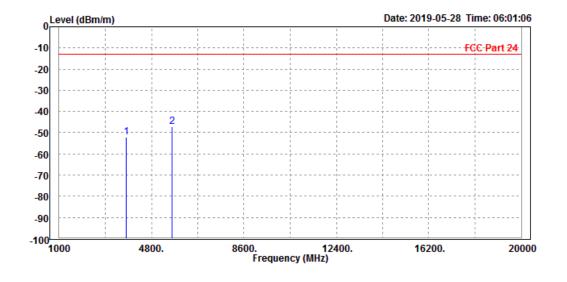
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MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	D BY Star Le						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	Freq	Level		Limit Line		Factor	Remark	Pol/Phase	
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		_	
	3755.000 5640.000							Vertical Vertical	



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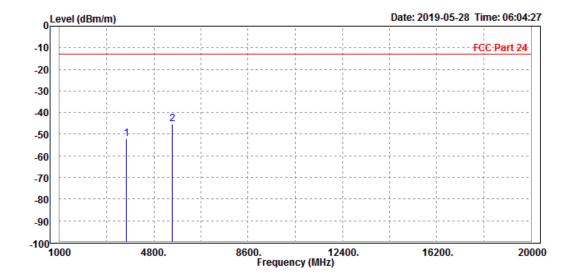


CHANNEL BANDWIDTH: 5MHz / QPSK

CH18625

MODE	TX channel 18625	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS 23deg. C, 70%RH		INPUT POWER	DC 5V from adapter					
TESTED BY	TESTED BY Star Le							
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	3705.000 5556.000							Horizontal Horizontal



Tel: +86 755 8869 6566

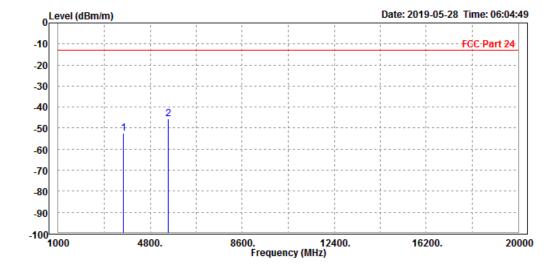
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BV 7Layers Communications Technology



MODE	TX channel 18625	annel 18625 FREQUENCY RANGE					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	TESTED BY Star Le						
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		
_		3705.000 5556.000							Vertical Vertical

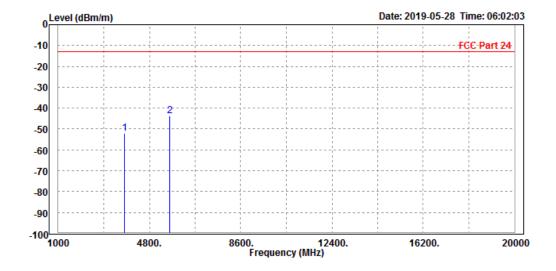




CH18900

MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

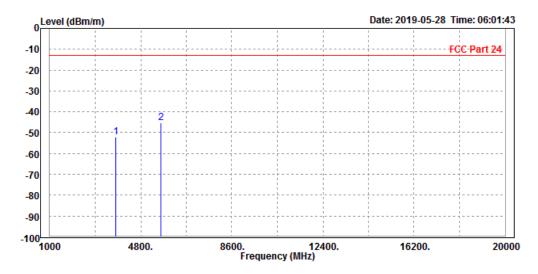
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
_		3755.000 5640.000							Horizontal Horizontal





MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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 P	3755.000 P 5640.000							Vertical Vertical	

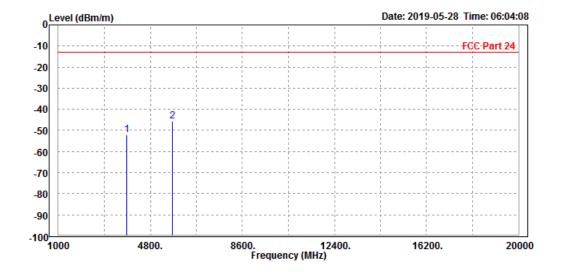




CH19175

MODE	TX channel 19175	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

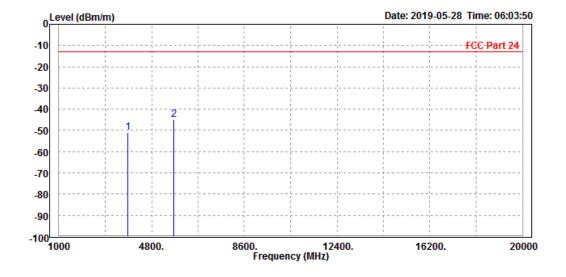
	Frea	Level		Limit		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3815.000	-52.08	-55.76	-13.00	-39.08	3.68	Peak	Horizontal
2 F	P 5725.000	-45.46	-54.68	-13.00	-32.46	9.22	Peak	Horizontal





MODE	TX channel 19175	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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		3815.000 5725.000						Peak Peak	Vertical



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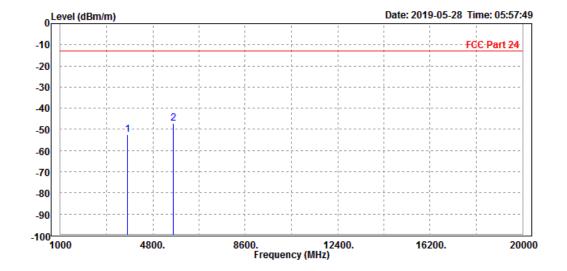
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CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

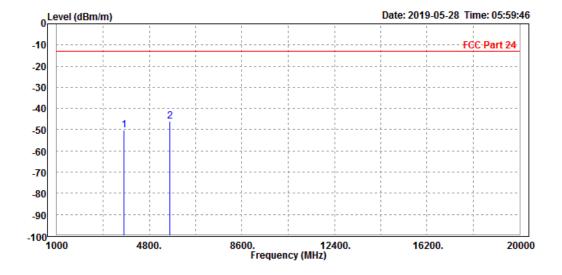
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	2 Pl	3755.000 5640.000							Horizontal Horizontal





MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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		
3755.000 5636.000							Vertical Vertical

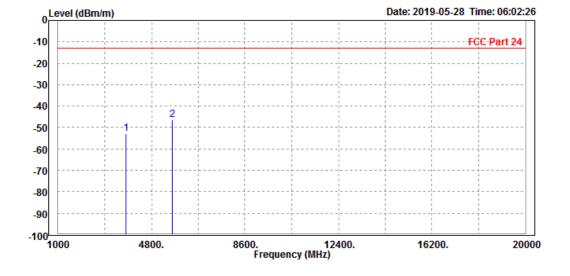




CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

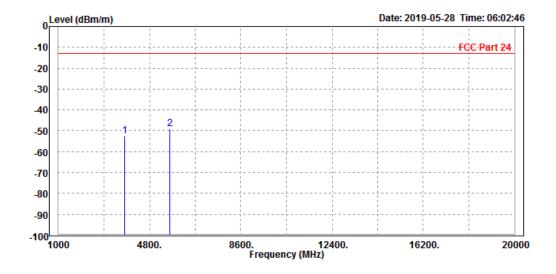
	Freq	Level		Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 2 PP	3755.000							Horizontal





MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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	3755.000 5640.000							Vertical Vertical	

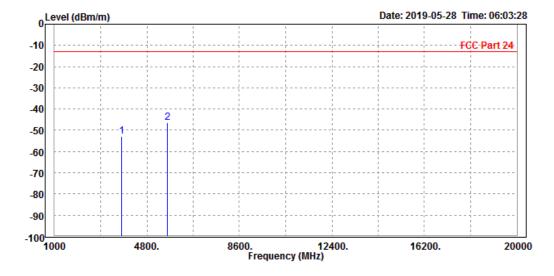




CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

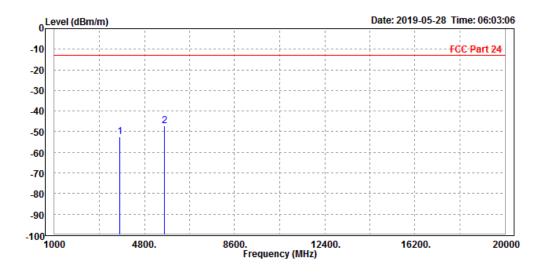
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
_		3755.000 5640.000							Horizontal Horizontal





MODE	TX channel 18900	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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		3755.000 5640.000							Vertical



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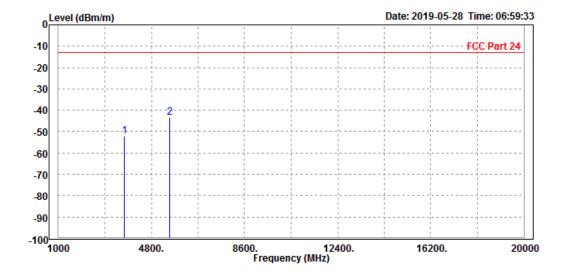
LTE Band 25

CHANNEL BANDWIDTH: 1.4MHz / QPSK

CH26047

MODE	TX channel 26047	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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 2 PF	3704.000 5552.100							Horizontal Horizontal

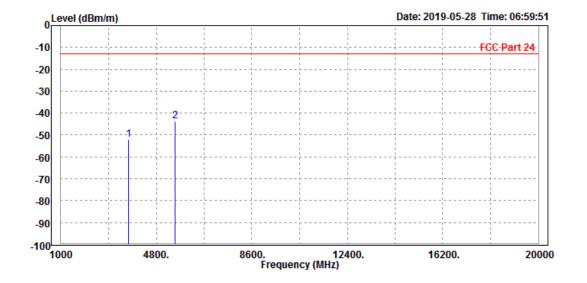


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MODE	TX channel 26047	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
	3704.000 5552.100							Vertical Vertical

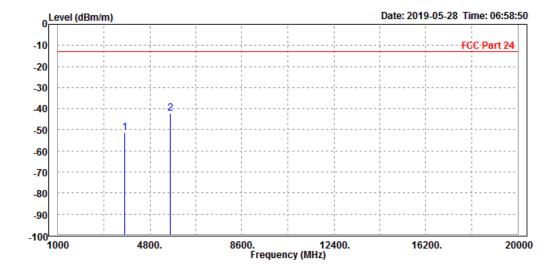




CH26365

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	TESTED BY Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

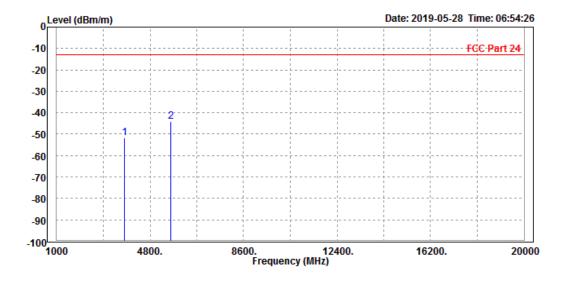
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1		3756.000 5647.500							Horizontal Horizontal





MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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	3756.000 5647.500							Vertical Vertical

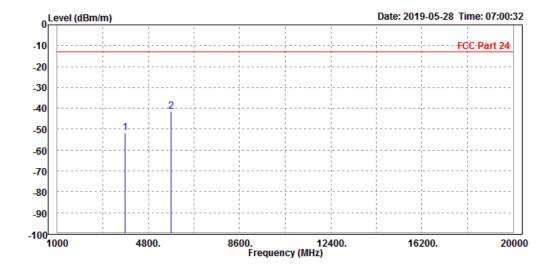




CH26683

MODE	TX channel 26683	FREQUENCY RANGE Above 1000M					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	rested by Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M							

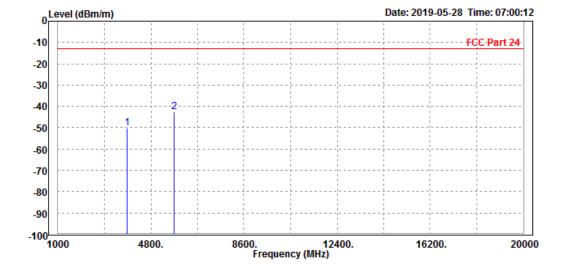
		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3834.000 5742.900							Horizontal Horizontal





MODE	TX channel 26683	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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	3834.000 5742.900							Vertical Vertical

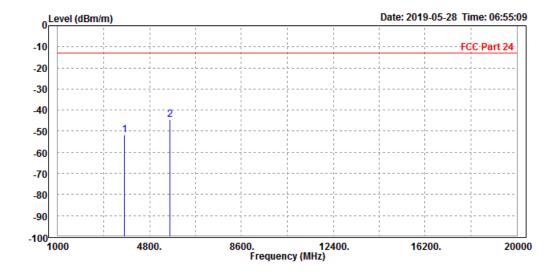




CHANNEL BANDWIDTH: 3MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	Star Le	Star Le						
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		3756.000 5647.500							Horizontal Horizontal

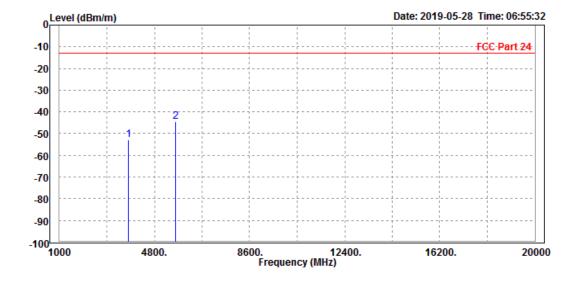


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MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	Star Le	Star Le						
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								

		Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1		3756.000 5647.500							Vertical Vertical

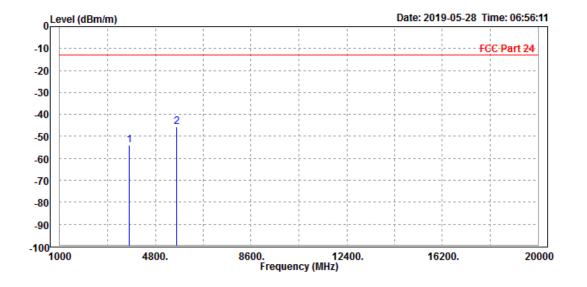




CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter		
TESTED BY					
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		3756.000 5647.500							Horizontal Horizontal

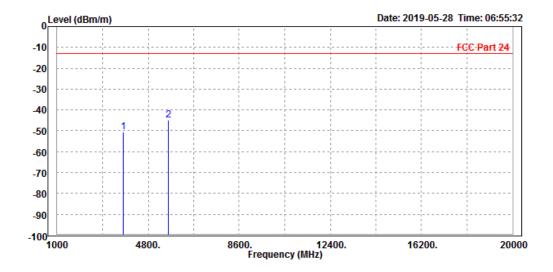


Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China



MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le	Star Le					
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		3756.000 5647.500							Vertical Vertical	

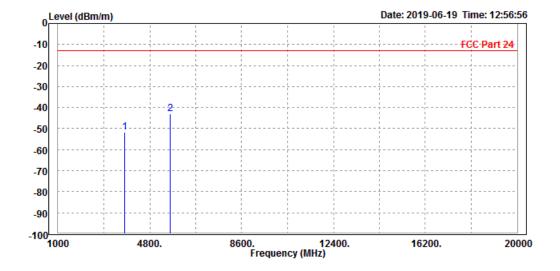




CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	Star Le	Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

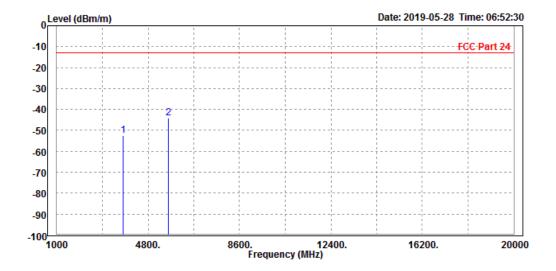
		Fred	[مربو]		Limit		Factor	Remark	Pol/Phase
		11 64							
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1		3756.000	-51.84	-55.23	-13.00	-38.84	3.39	Peak	Horizontal
2	PP	5647.500	-42.99	-52.12	-13.00	-29.99	9.13	Peak	Horizontal





MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le	Star Le					
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M							

	_			Limit				
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
-	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3756.000	-52.48	-56.34	-13.00	-39.48	3.86	Peak	Vertical
2 PP	5647.500	-44.04	-52.31	-13.00	-31.04	8.27	Peak	Vertical



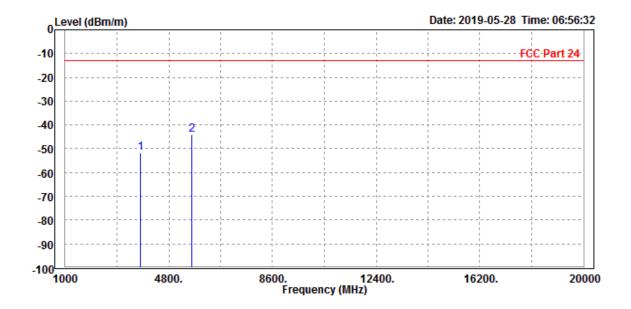
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CHANNEL BANDWIDTH: 15MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	Star Le	Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

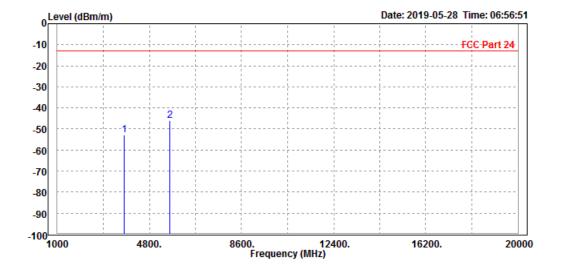
	Freq	Level		Limit Line		Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	——dB	dB/m		
1 2 PP	3756.000 5647.500							Horizontal Horizontal





MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le	Star Le					
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		
_	3756.000 5647.500							Vertical Vertical



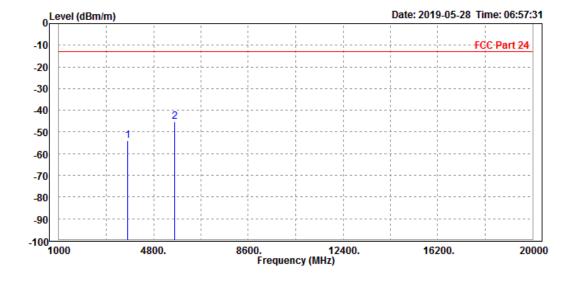
Tel: +86 755 8869 6566



CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz					
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter					
TESTED BY	Star Le	Star Le						
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								

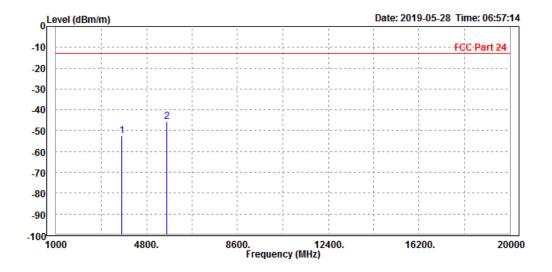
			Read	Limit	0ver			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
_								
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3756.000	-53.97	-57.36	-13.00	-40.97	3.39	Peak	Horizontal
2 PP	5647.500	-45.08	-54.21	-13.00	-32.08	9.13	Peak	Horizontal





MODE	TX channel 26365	FREQUENCY RANGE	Above 1000MHz				
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V from adapter				
TESTED BY	Star Le						
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	3756.000 P 5647.500							Vertical Vertical



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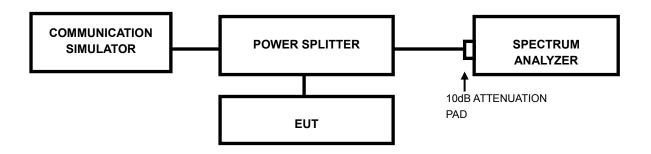


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF peak to average ratio MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

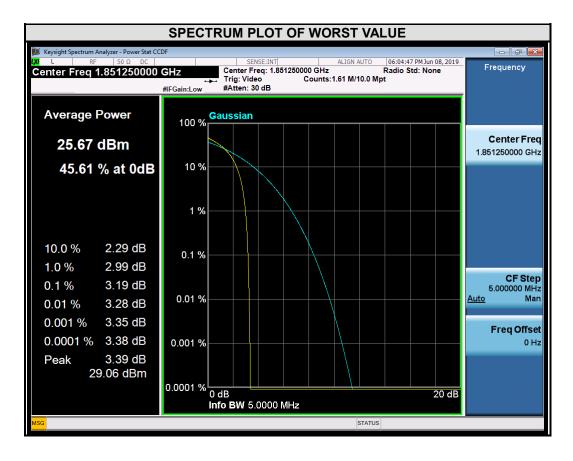
- 1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
- 2. Set the number of counts to a value that stabilizes the measured CCDF curve:
- 3. Record the maximum PAPR level associated with a probability of 0.1%.



3.7.4 TEST RESULTS

CDMA BC1

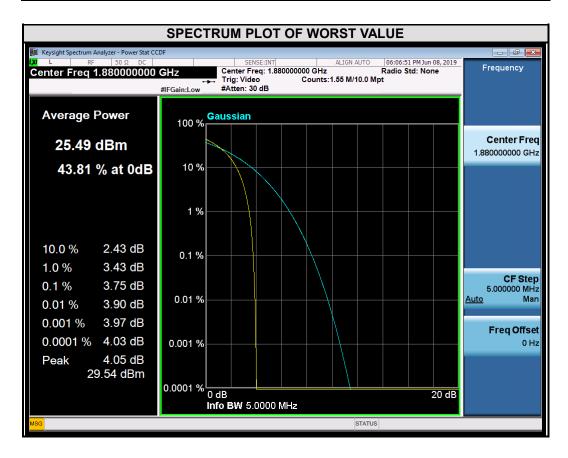
CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
25	1851.2	3.19



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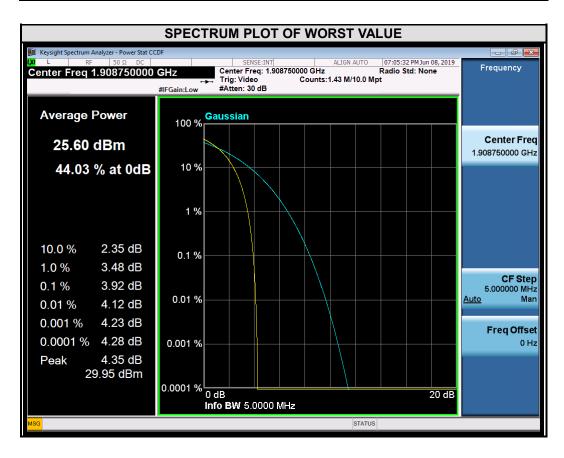
CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
600	1880	3.75



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CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)
1175	1908.8	3.92

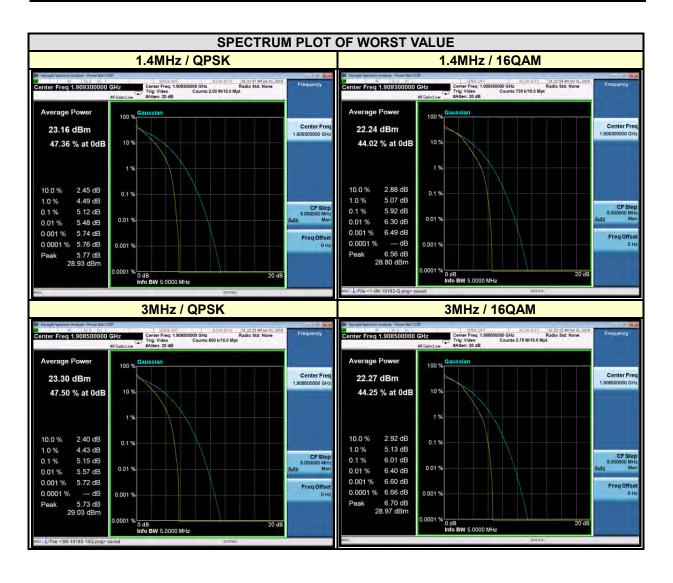


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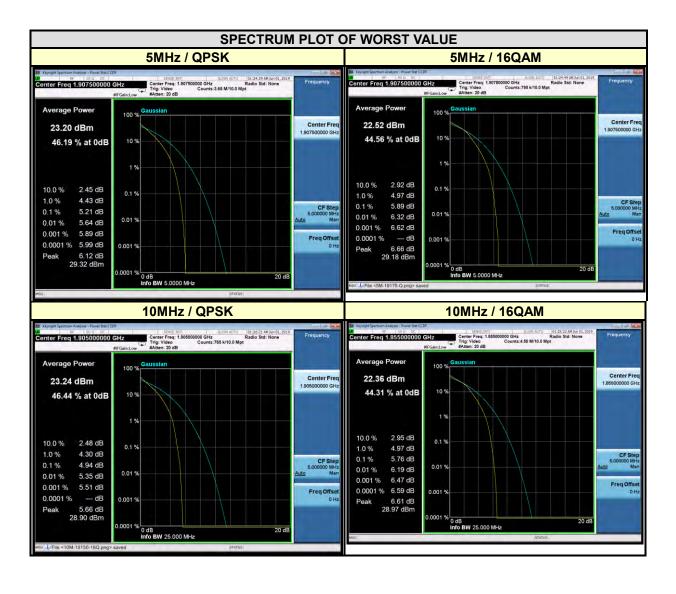
LTE BAND 2

LIE DAND E										
СНА	NNEL BANDW	IDTH: 1.4M	lHz	CHANNEL BANDWIDTH: 3MHz						
CHANNEL	FREQUENCY (MHz)		PEAK TO AVERAGE RATIO (dB)		FREQUENCY	PEAK TO AVERAGE RATIO (dB)				
		QPSK	16QAM		(MHz)	QPSK	16QAM			
18607	1850.7	4.65	5.55	18615	1851.5	5.07	5.71			
18900	1880	4.91	5.85	18900	1880	4.99	5.78			
19193	1909.3	5.12	5.92	19185	1908.5	5.15	6.01			



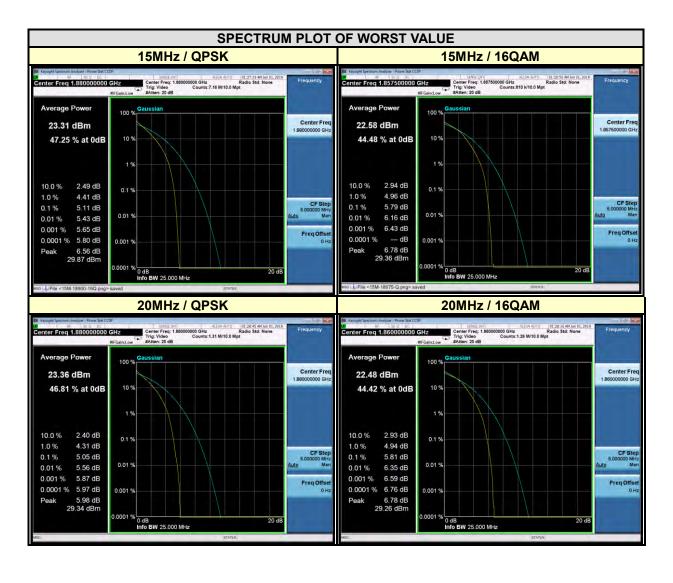


CH	ANNEL BANDV	VIDTH: 5MH	Ηz	CHANNEL BANDWIDTH: 10MHz				
CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)		CHANNEL	FREQUENCY	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM		(MHz)	QPSK	16QAM	
18625	1852.5	5.02	5.68	18650	1855	4.93	5.76	
18900	1880	5.09	5.83	18900	1880	4.88	5.62	
19175	1907.5	5.21	5.89	19150	1905	4.94	5.73	





CHA	NNEL BANDW	IDTH: 15M	Hz	CHANNEL BANDWIDTH: 20MHz				
CHANNEL	FREQUENCY (MHz)	PEAK TO RATIO	_	CHANNEL	FREQUENCY	_	AVERAGE O (dB)	
		QPSK	16QAM		(MHz)	QPSK	16QAM	
18675	1857.5	4.99	5.79	18700	1860	4.98	5.81	
18900	1880	5.11	5.74	18900	1880	5.05	5.67	
19125	1902.5	4.93	5.43	19100	1900	4.96	5.75	

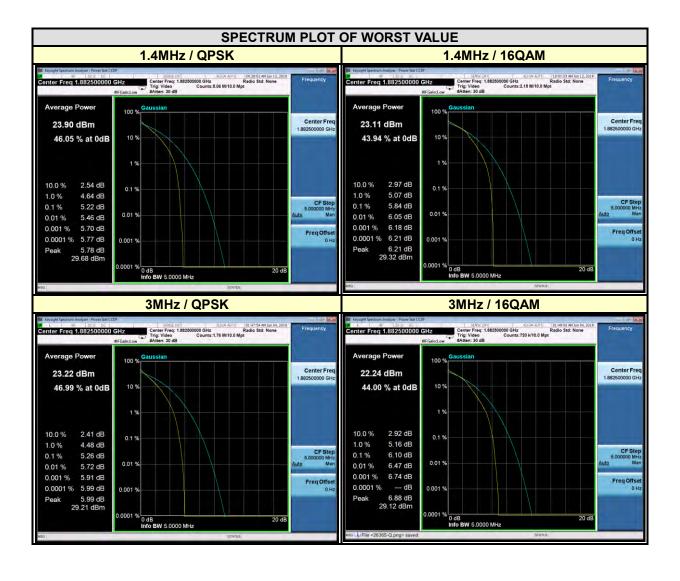


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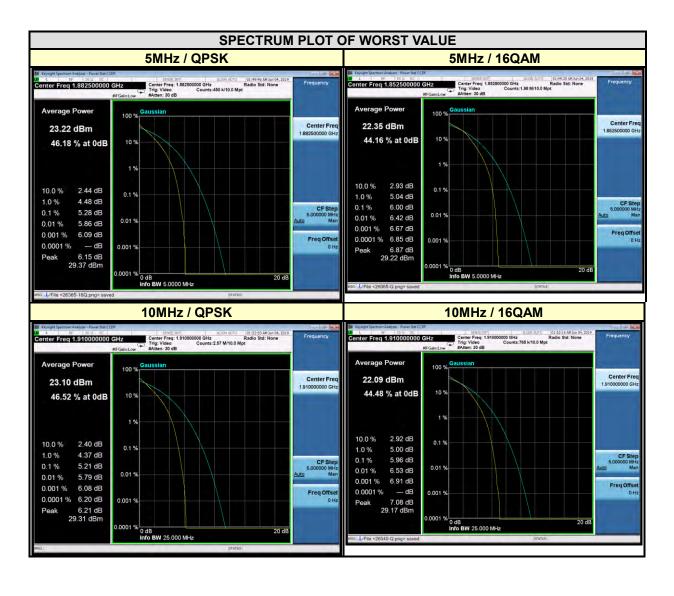
LTE BAND 25

LIE BARD 20										
CHA	NNEL BANDW	IDTH: 1.4M	Hz	CHANNEL BANDWIDTH: 3MHz						
CHANNEL	FREQUENCY (MHz)		PEAK TO AVERAGE RATIO (dB)		FREQUENCY	PEAK TO AVERAGE RATIO (dB)				
		QPSK	16QAM		(MHz)	QPSK	16QAM			
26047	1850.7	4.40	5.39	26055	1851.5	5.22	6.04			
26365	1882.5	5.22	5.84	26365	1882.5	5.26	6.10			
26683	1914.3	4.85	5.66	26675	1913.5	5.26	5.91			



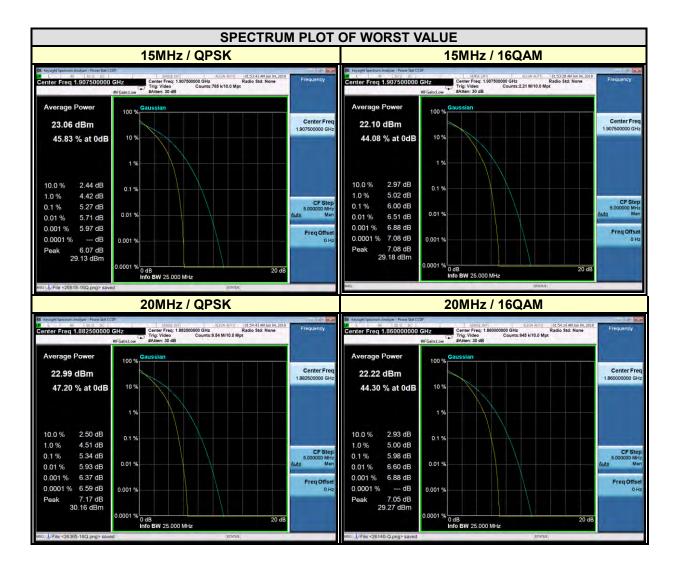


CH	ANNEL BANDV	VIDTH: 5MH	Ηz	CHANNEL BANDWIDTH: 10MHz				
CHANNEL	FREQUENCY (MHz)	PEAK TO AVERAGE RATIO (dB)		CHANNEL	FREQUENCY	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM		(MHz)	QPSK	16QAM	
26065	1852.5	5.23	6.00	26090	1855	5.19	5.89	
26365	1882.5	5.28	5.96	26365	1882.5	5.11	5.96	
26665	1912.5	5.15	5.89	26640	1910	5.21	5.96	





CHA	NNEL BANDW	IDTH: 15M	Hz	CHANNEL BANDWIDTH: 20MHz				
CHANNEL	FREQUENCY (MHz)		PEAK TO AVERAGE RATIO (dB)		FREQUENCY	PEAK TO AVERAGE RATIO (dB)		
		QPSK	16QAM		(MHz)	QPSK	16QAM	
26115	1857.5	5.23	5.98	26140	1860	5.17	5.98	
26365	1882.5	5.22	5.91	26365	1882.5	5.34	5.96	
26615	1907.5	5.27	6.00	26590	1905	5.13	5.95	





INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

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

Shenzhen EMC/RF Lab:

Tel: +86-755-88696566 Fax: +86-755-88696577

Email: <u>customerservice.dg@cn.bureauveritas.com</u>

Web Site: www.adt.com.tw

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



APPENDIX A - MODIFICATIONS RECORDERS FOR **ENGINEERING CHANGES TO THE EUT BY THE LAB**

No any modifications are made to the EUT by the lab during the test.

---END---