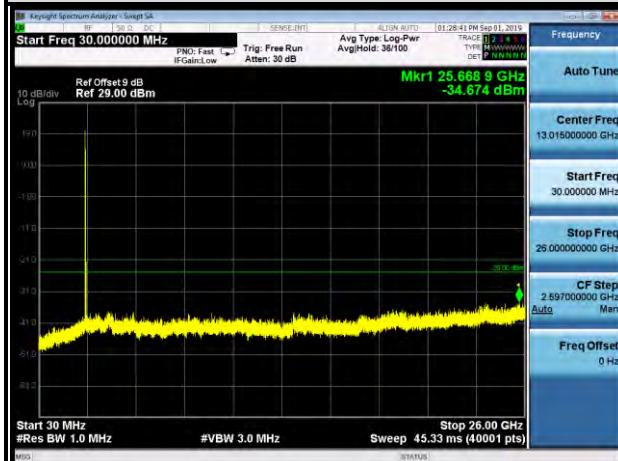


**20MHz + 10MHz / QPSK**

**LOWEST CHANNEL**

**1RB99&1RB0**

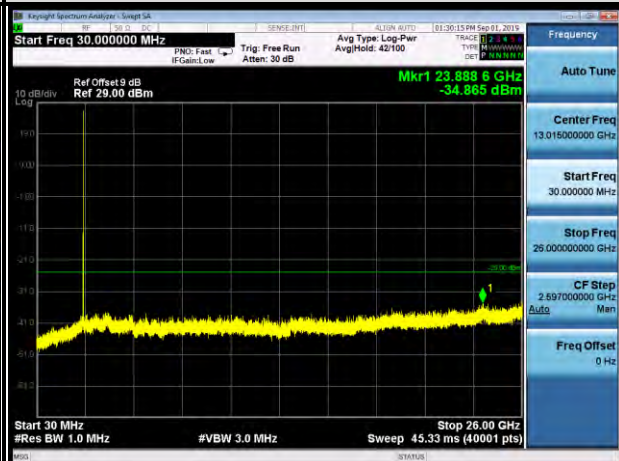
**FREQUENCY RANG2E : 30MHz~26.0GHz**



**LOWEST CHANNEL**

**1RB0&1RB49**

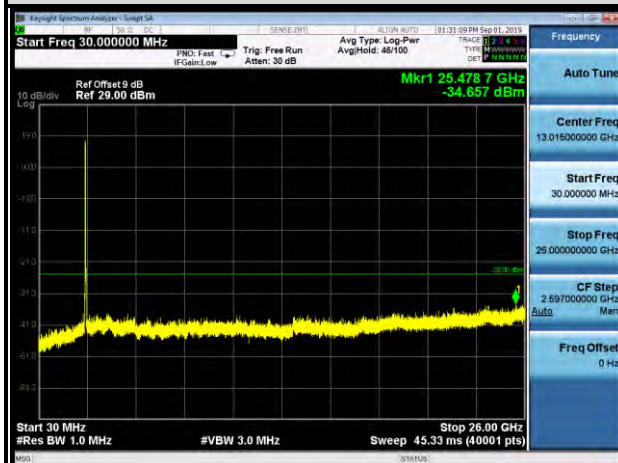
**FREQUENCY RANGE : 30MHz~26.0GHz**



**LOWEST CHANNEL**

**FULLRB0**

**FREQUENCY RANG2E : 30MHz~26.0GHz**

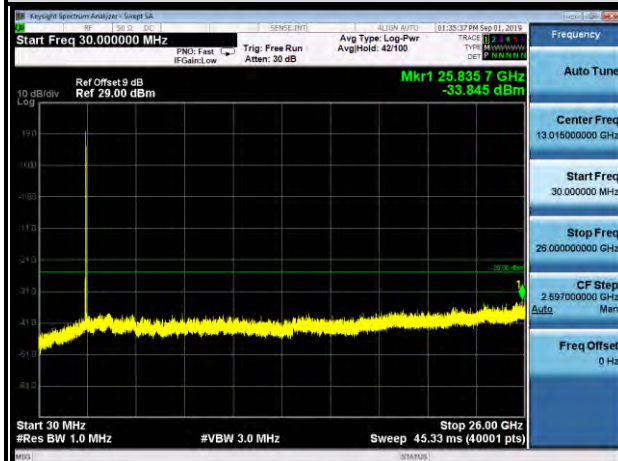


**20MHz + 10MHz / QPSK**

**MIDDLE CHANNEL**

**1RB99&1RB0**

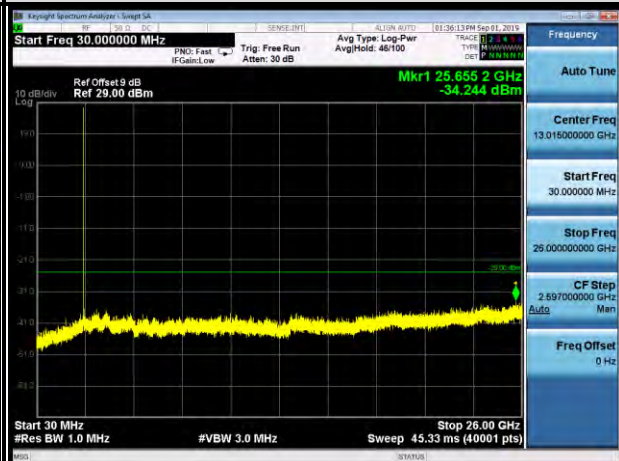
**FREQUENCY RANG2E : 30MHz~26.0GHz**



**MIDDLE CHANNEL**

**1RB0&1RB49**

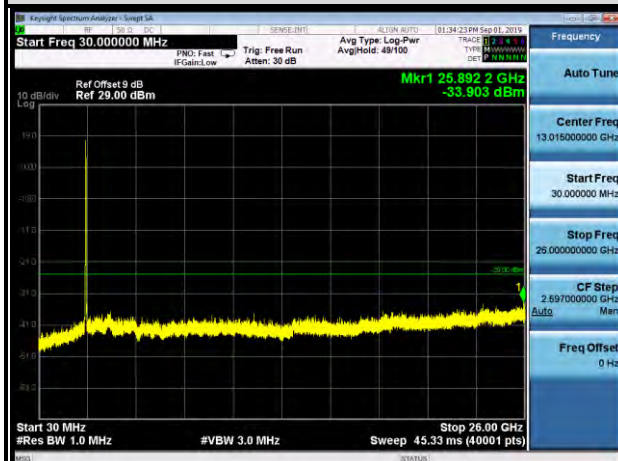
**FREQUENCY RANGE : 30MHz~26.0GHz**



**MIDDLE CHANNEL**

**FULLRB0**

**FREQUENCY RANG2E : 30MHz~26.0GHz**



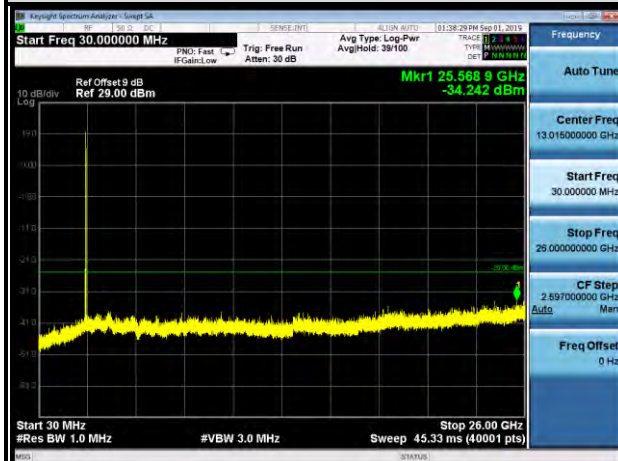


**20MHz + 10MHz / QPSK**

**HIGHEST CHANNEL**

**1RB99&1RB0**

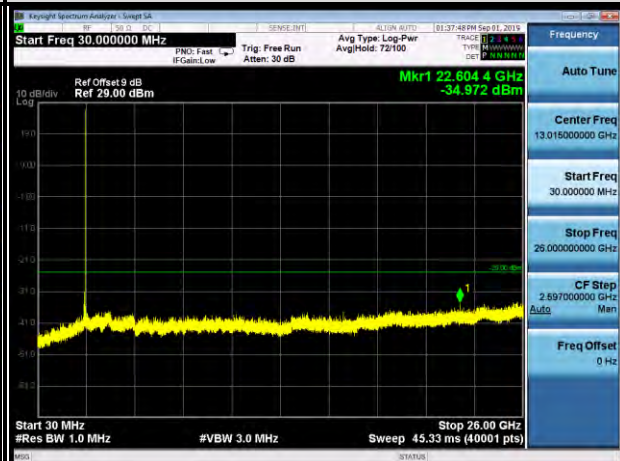
**FREQUENCY RANG2E : 30MHz~26.0GHz**



**HIGHEST CHANNEL**

**1RB0&1RB49**

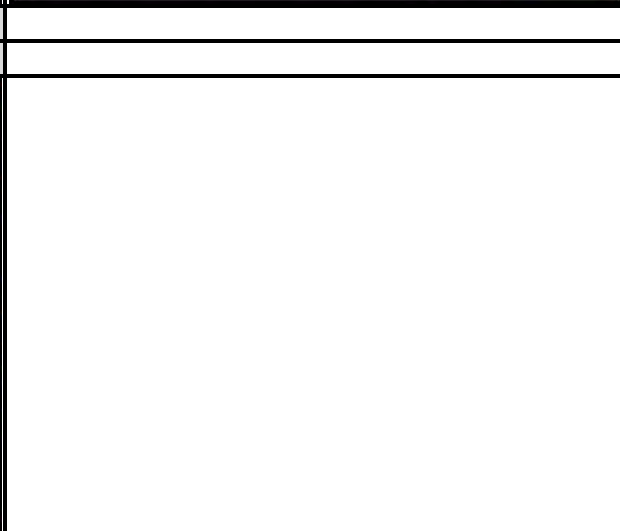
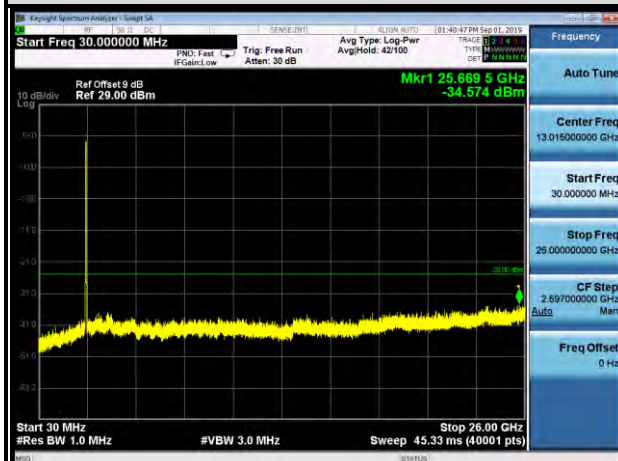
**FREQUENCY RANGE : 30MHz~26.0GHz**



**HIGHEST CHANNEL**

**FULLRB0**

**FREQUENCY RANG2E : 30MHz~26.0GHz**

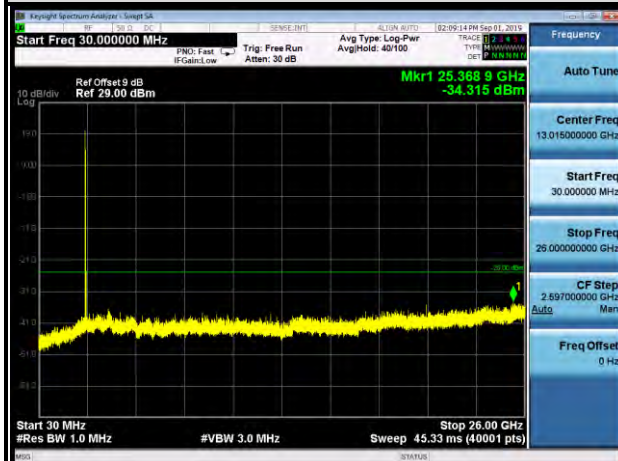


**20MHz + 15MHz / QPSK**

**LOWEST CHANNEL**

**1RB0&1RB74**

**FREQUENCY RANG2E : 30MHz~26.0GHz**



**LOWEST CHANNEL**

**1RB99&1RB0**

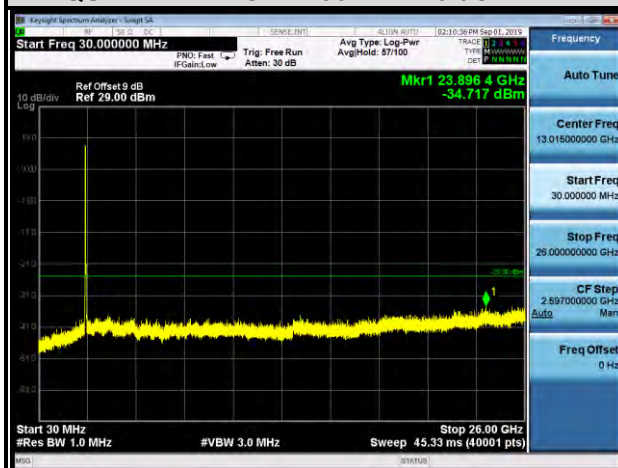
**FREQUENCY RANGE : 30MHz~26.0GHz**



**LOWEST CHANNEL**

**FULLRB0**

**FREQUENCY RANG2E : 30MHz~26.0GHz**

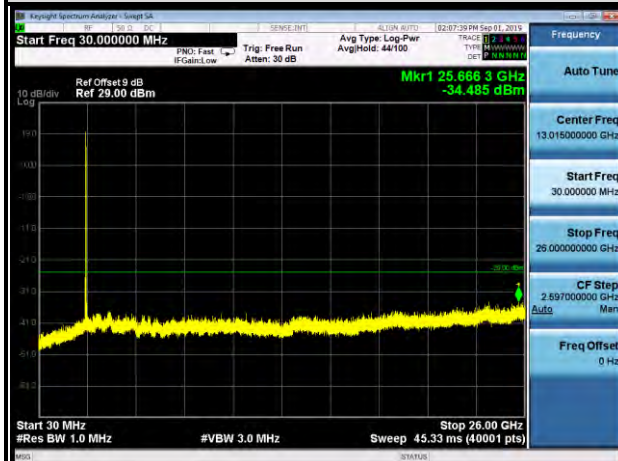


**20MHz + 15MHz / QPSK**

**MIDDLE CHANNEL**

**1RB0&1RB74**

**FREQUENCY RANG2E : 30MHz~26.0GHz**



**MIDDLE CHANNEL**

**1RB99&1RB0**

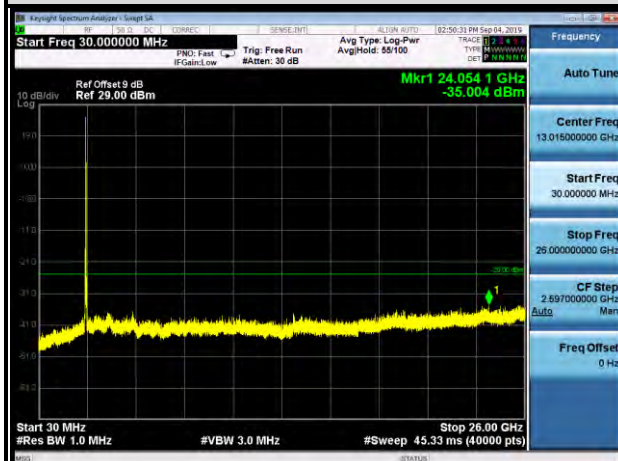
**FREQUENCY RANGE : 30MHz~26.0GHz**



**MIDDLE CHANNEL**

**FULLRB0**

**FREQUENCY RANG2E : 30MHz~26.0GHz**

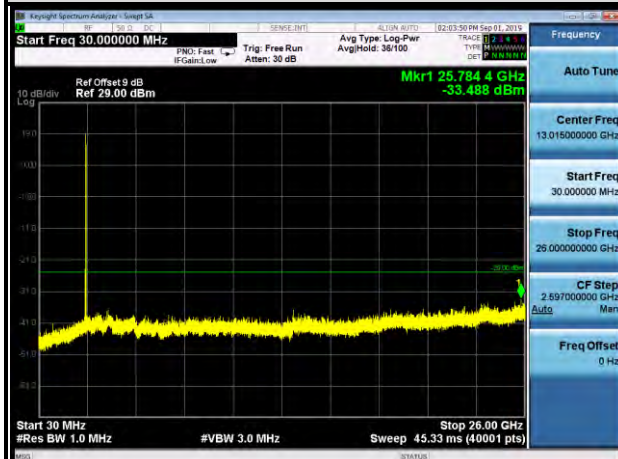


**20MHz + 15MHz / QPSK**

**HIGHEST CHANNEL**

**1RB0&1RB74**

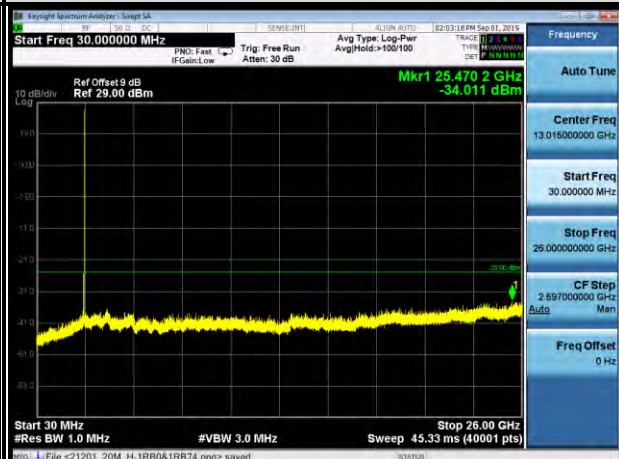
**FREQUENCY RANG2E : 30MHz~26.0GHz**



**HIGHEST CHANNEL**

**1RB99&1RB0**

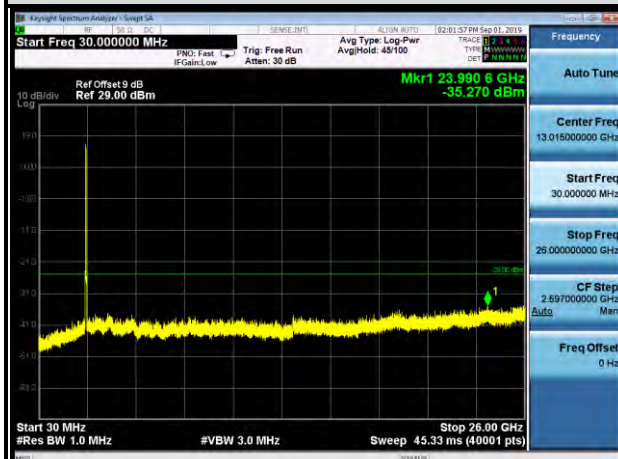
**FREQUENCY RANGE : 30MHz~26.0GHz**



**HIGHEST CHANNEL**

**FULLRB0**

**FREQUENCY RANG2E : 30MHz~26.0GHz**



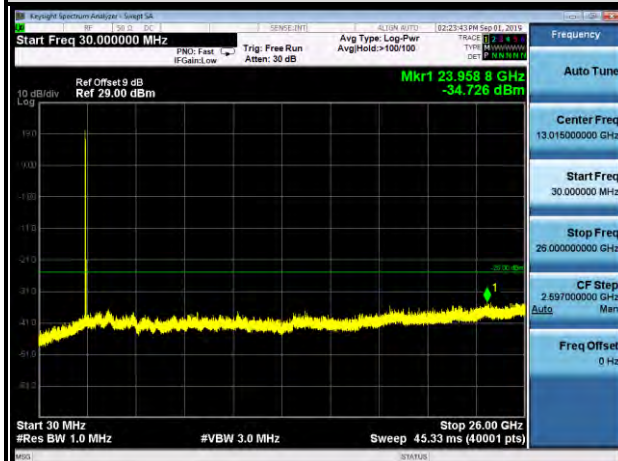


## 20MHz + 20MHz / QPSK

### LOWEST CHANNEL

1RB0&1RB99

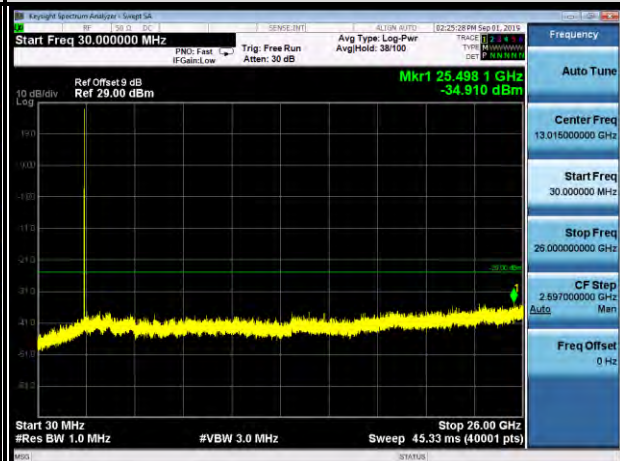
FREQUENCY RANG2E : 30MHz~26.0GHz



### LOWEST CHANNEL

1RB99&1RB0

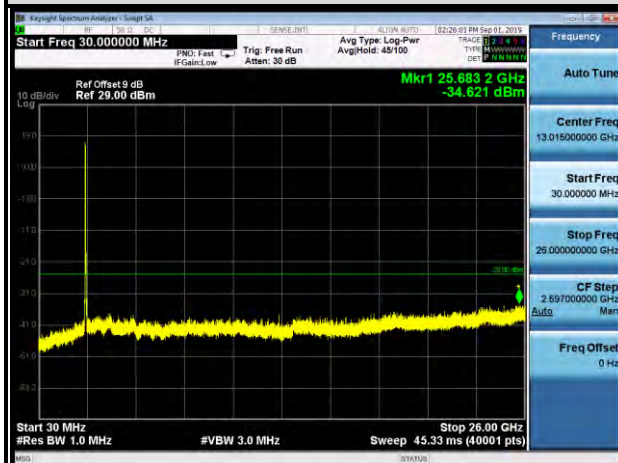
FREQUENCY RANGE : 30MHz~26.0GHz

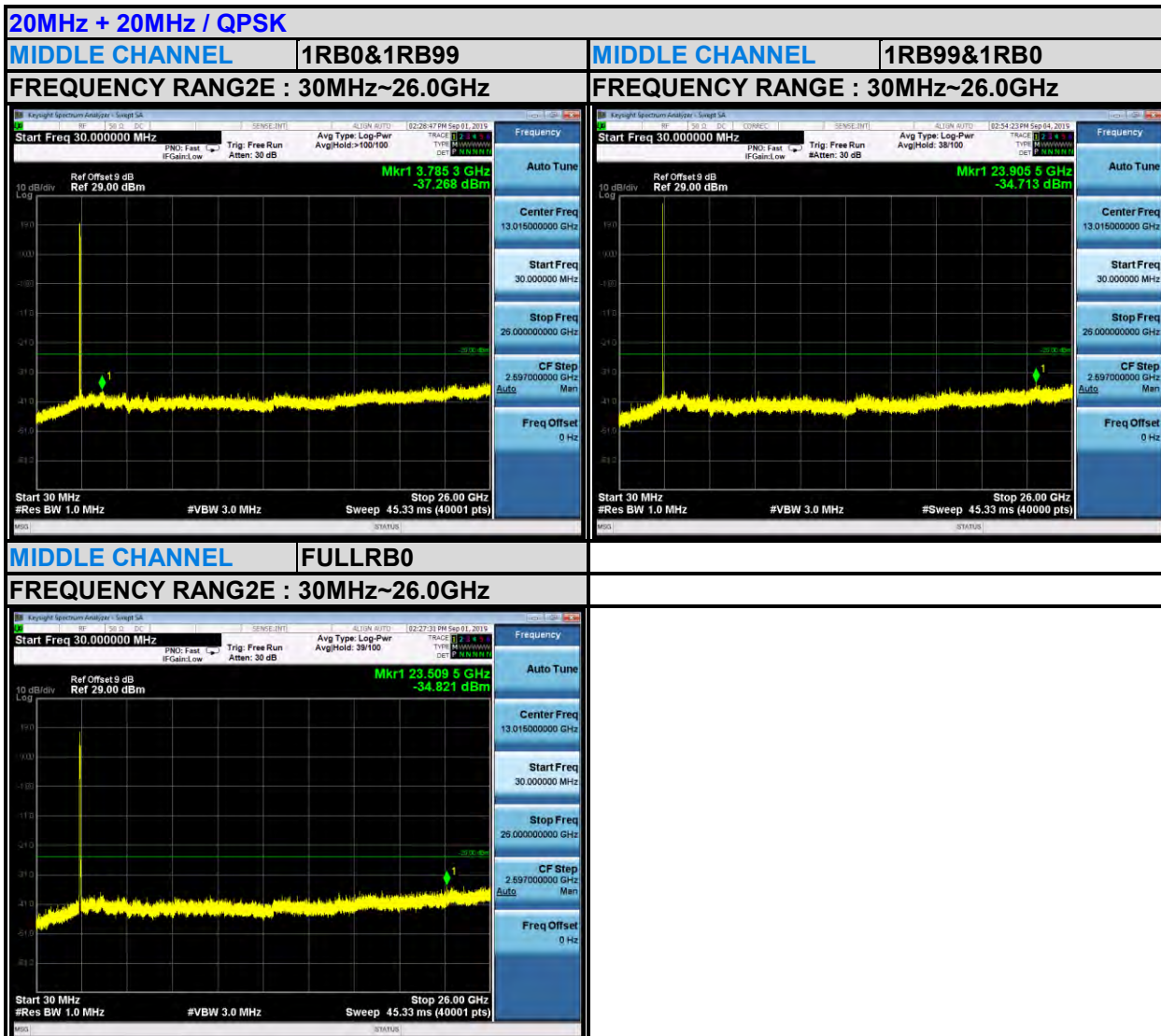


### LOWEST CHANNEL

FULLRB0

FREQUENCY RANG2E : 30MHz~26.0GHz



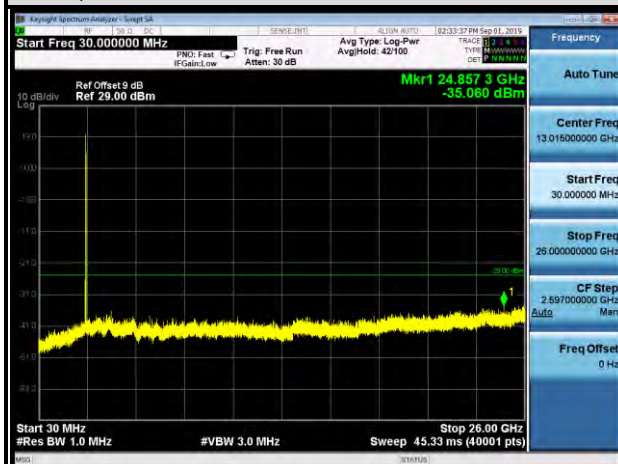


**20MHz + 20MHz / QPSK**

**HIGHEST CHANNEL**

**1RB0&1RB99**

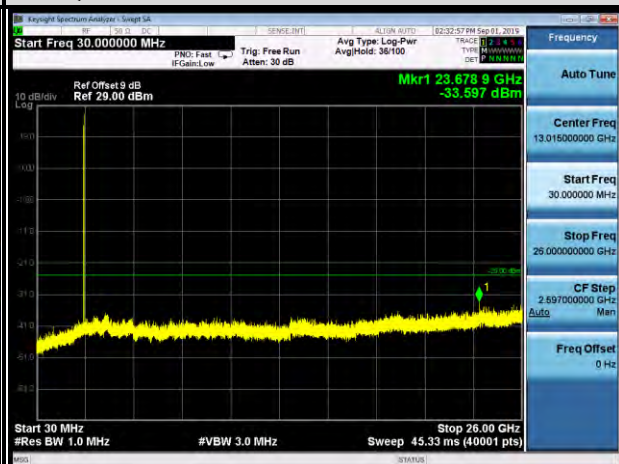
**FREQUENCY RANG2E : 30MHz~26.0GHz**



**HIGHEST CHANNEL**

**1RB99&1RB0**

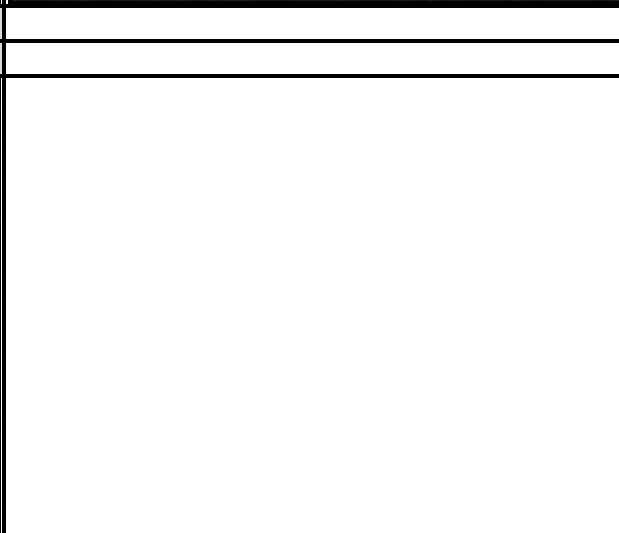
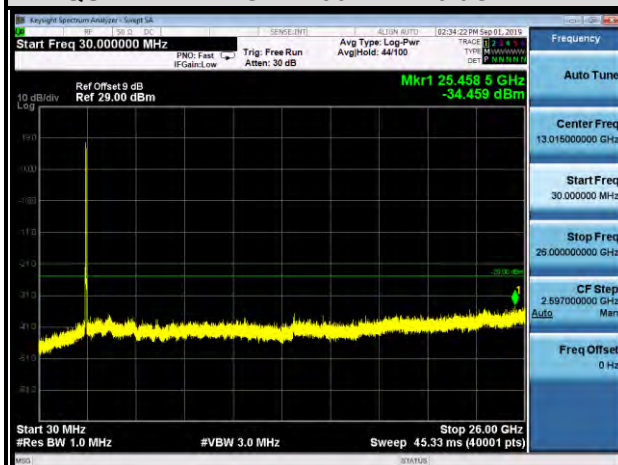
**FREQUENCY RANGE : 30MHz~26.0GHz**



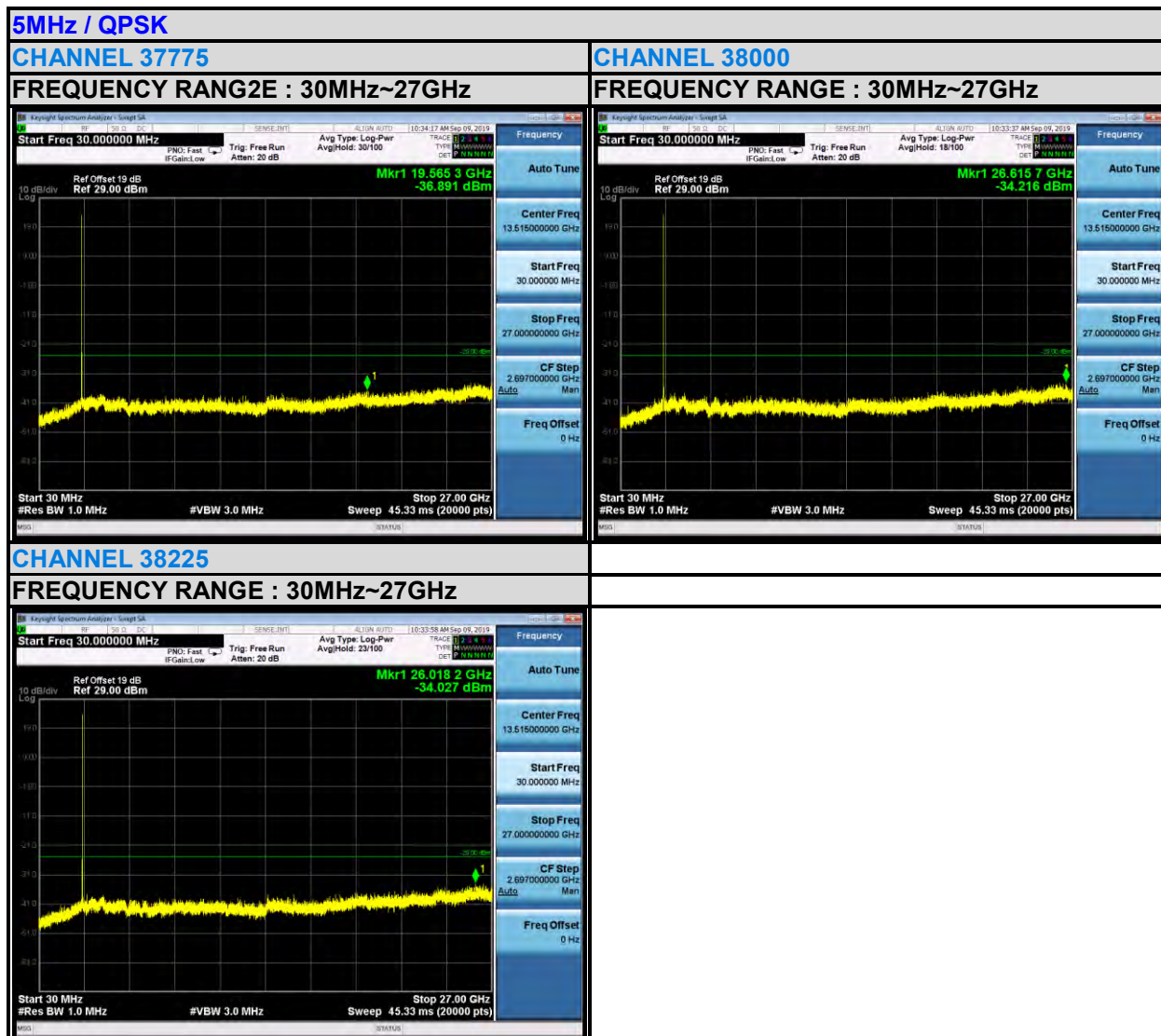
**HIGHEST CHANNEL**

**FULLRB0**

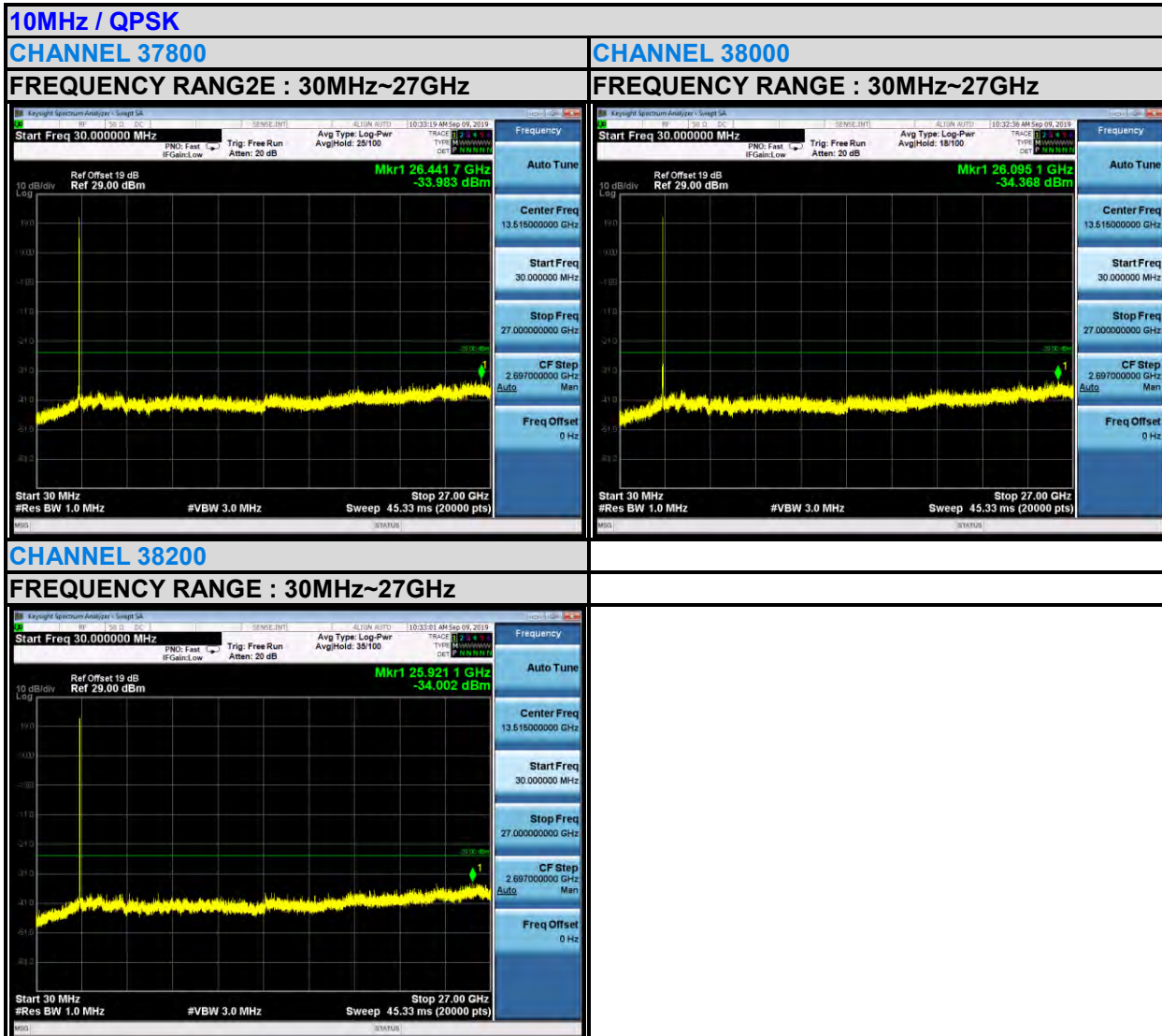
**FREQUENCY RANG2E : 30MHz~26.0GHz**

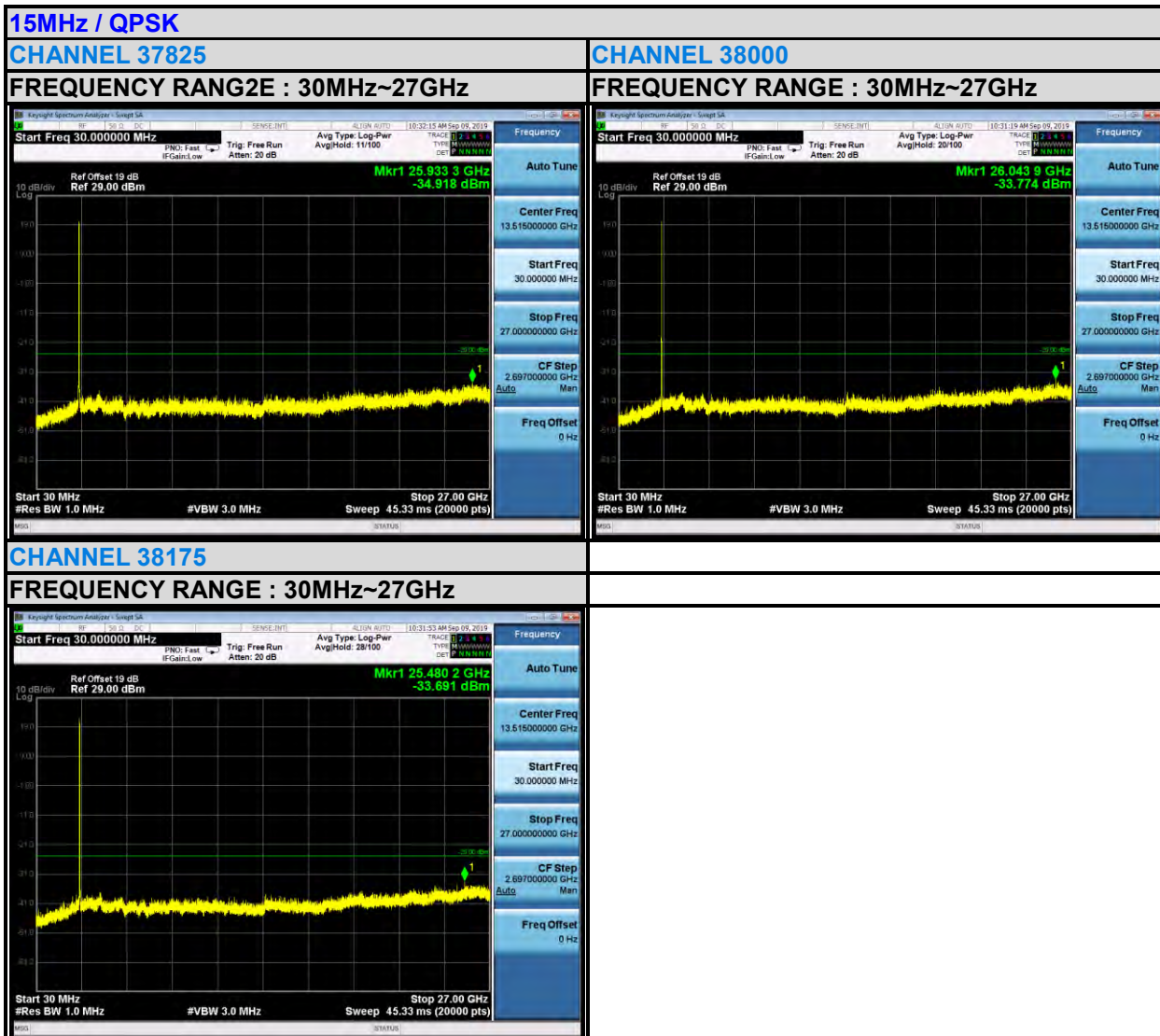


**LTE BAND 38**





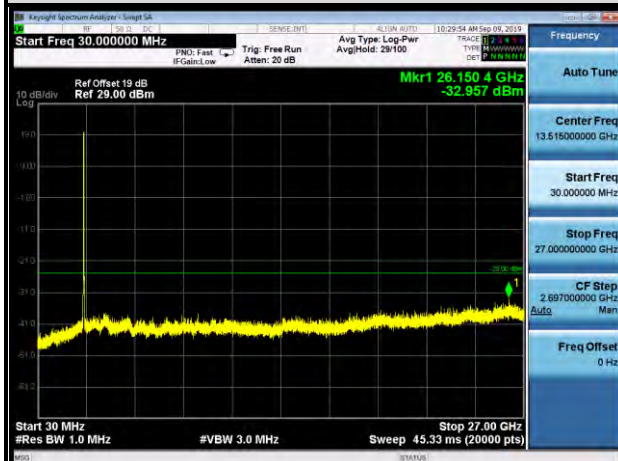




**20MHz / QPSK**

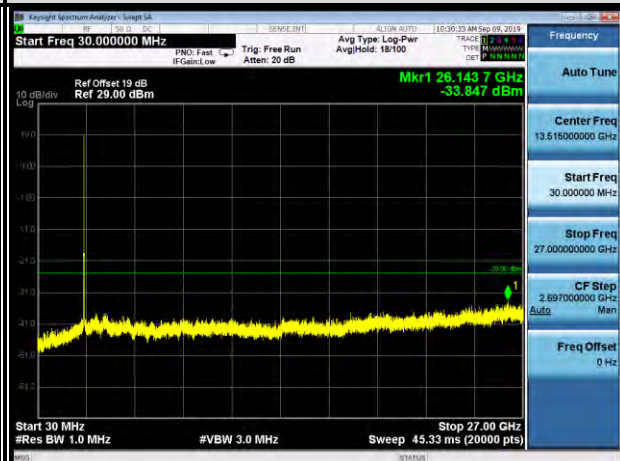
**CHANNEL 37850**

**FREQUENCY RANGE : 30MHz~27GHz**



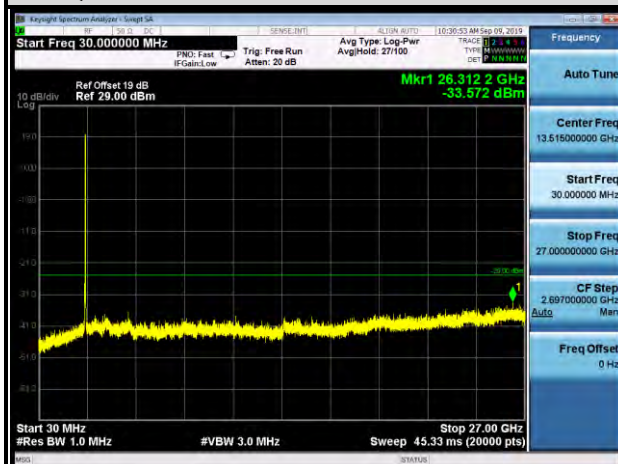
**CHANNEL 38000**

**FREQUENCY RANGE : 30MHz~27GHz**



**CHANNEL 38150**

**FREQUENCY RANGE : 30MHz~27GHz**





BUREAU  
VERITAS

Test Report No.: RF190823W003-7

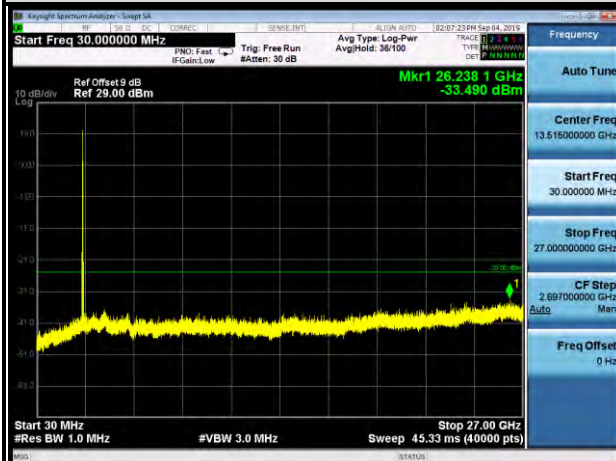
## LTE BAND CA\_38C

### 15MHz + 15MHz / QPSK

#### LOWEST CHANNEL

1RB0&1RB74

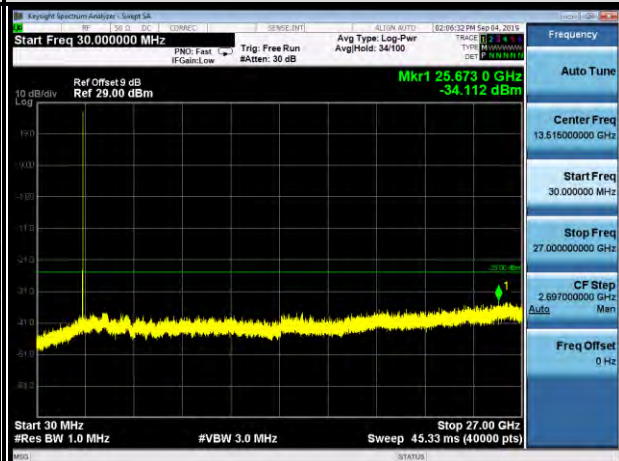
FREQUENCY RANG2E : 30MHz~27GHz



#### LOWEST CHANNEL

1RB74&1RB0

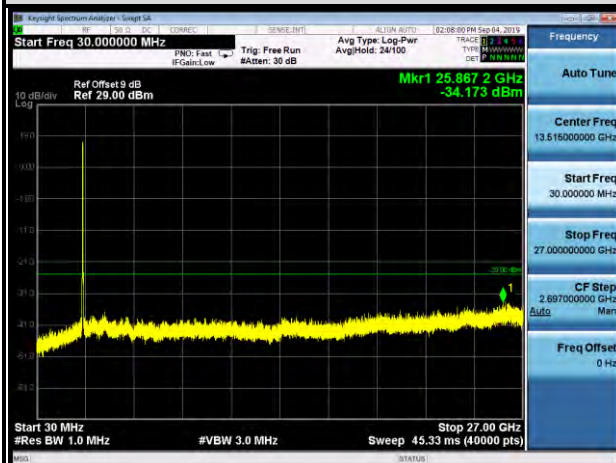
FREQUENCY RANGE : 30MHz~27GHz



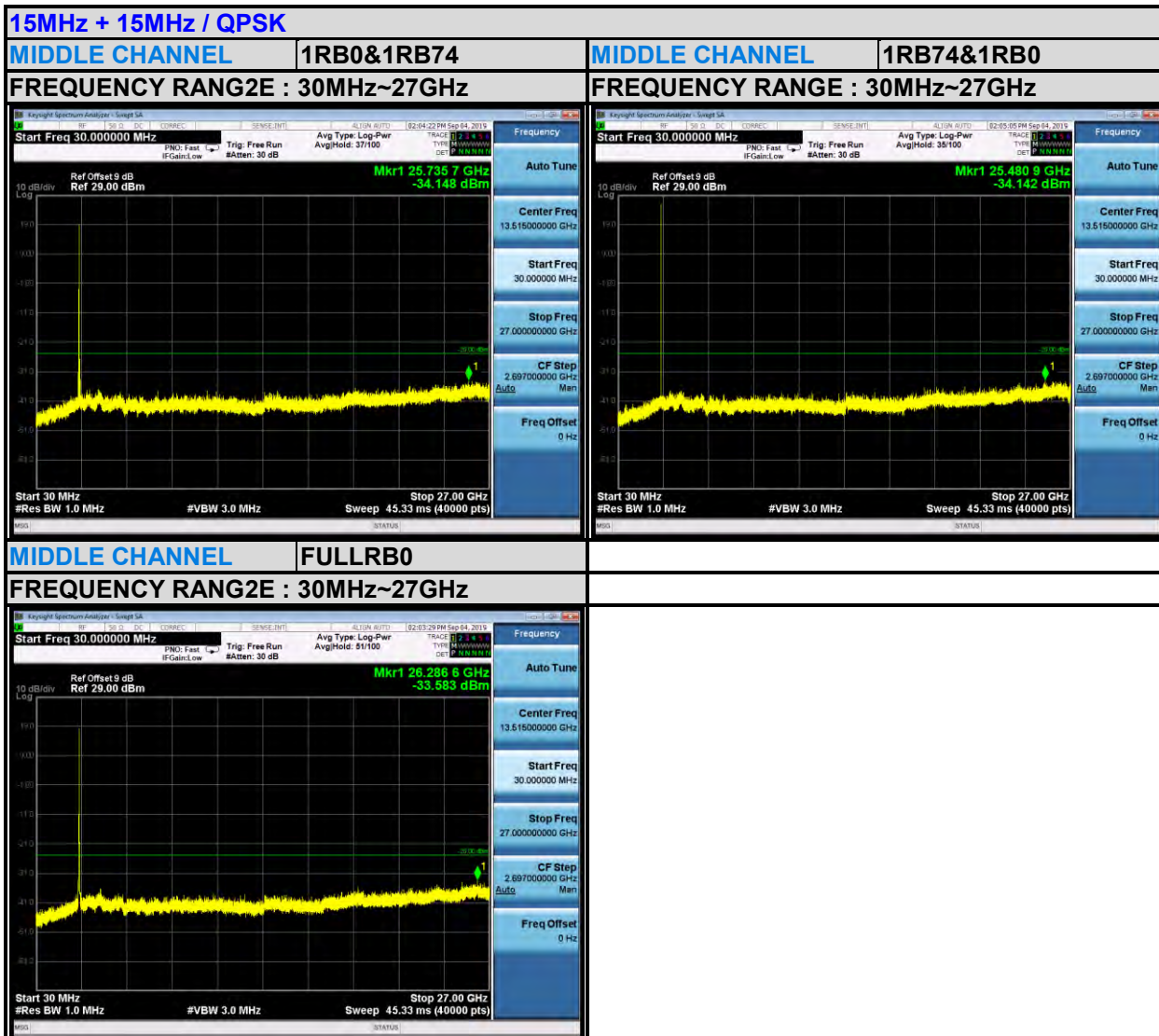
#### LOWEST CHANNEL

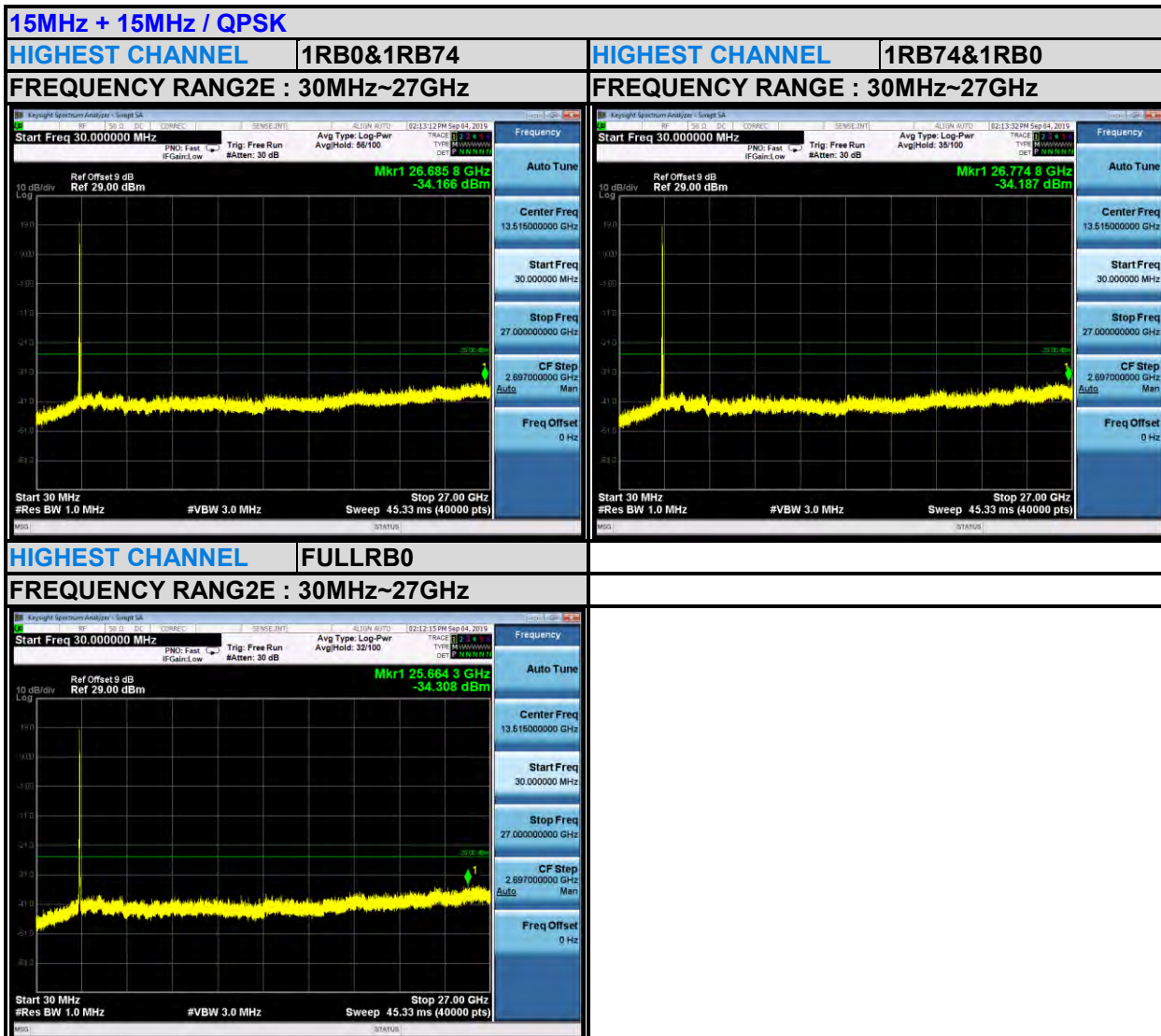
FULLRB0

FREQUENCY RANG2E : 30MHz~27GHz







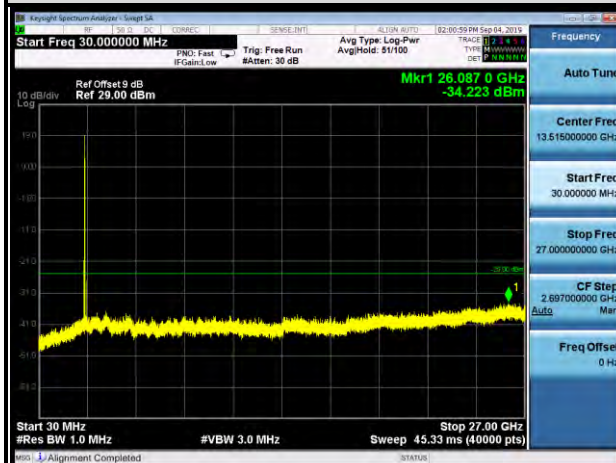


**20MHz + 20MHz / QPSK**

**LOWEST CHANNEL**

**1RB0&1RB99**

**FREQUENCY RANG2E : 30MHz~27GHz**



**LOWEST CHANNEL**

**1RB99&1RB0**

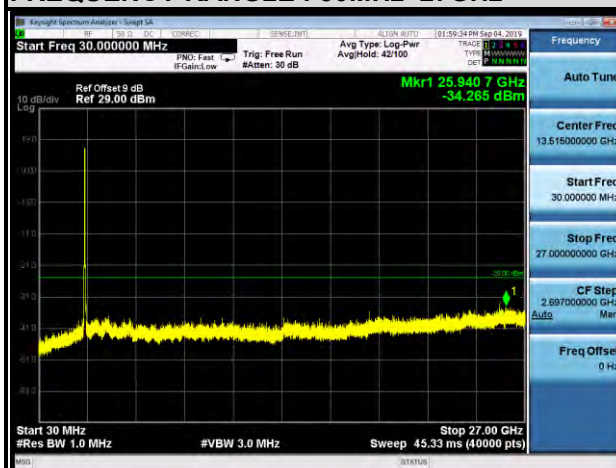
**FREQUENCY RANGE : 30MHz~27GHz**



**LOWEST CHANNEL**

**FULLRB0**

**FREQUENCY RANG2E : 30MHz~27GHz**

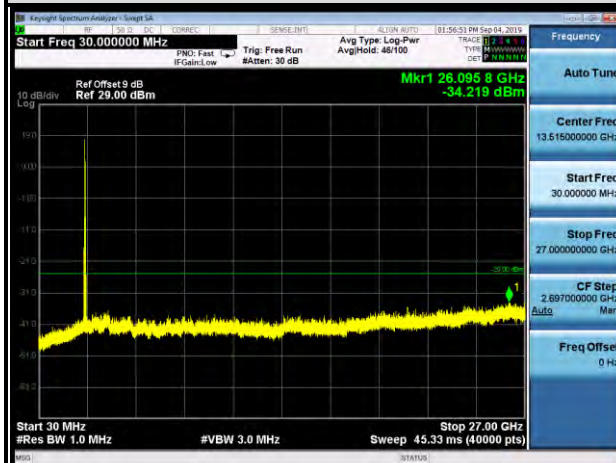


**20MHz + 20MHz / QPSK**

**MIDDLE CHANNEL**

**1RB0&1RB99**

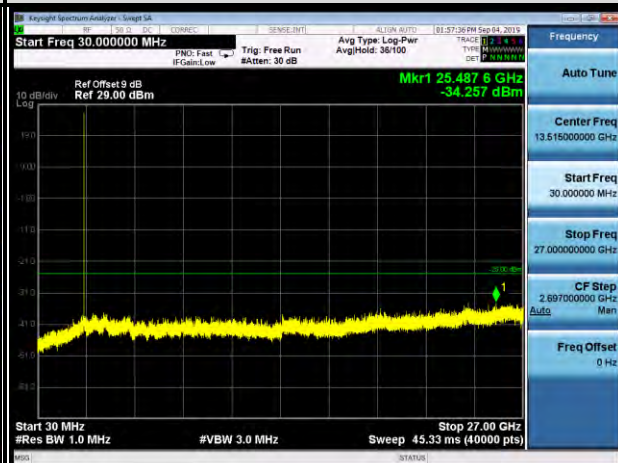
**FREQUENCY RANG2E : 30MHz~27GHz**



**MIDDLE CHANNEL**

**1RB99&1RB0**

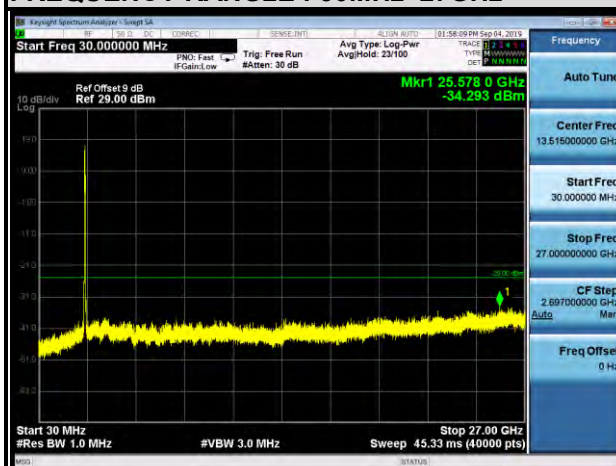
**FREQUENCY RANGE : 30MHz~27GHz**



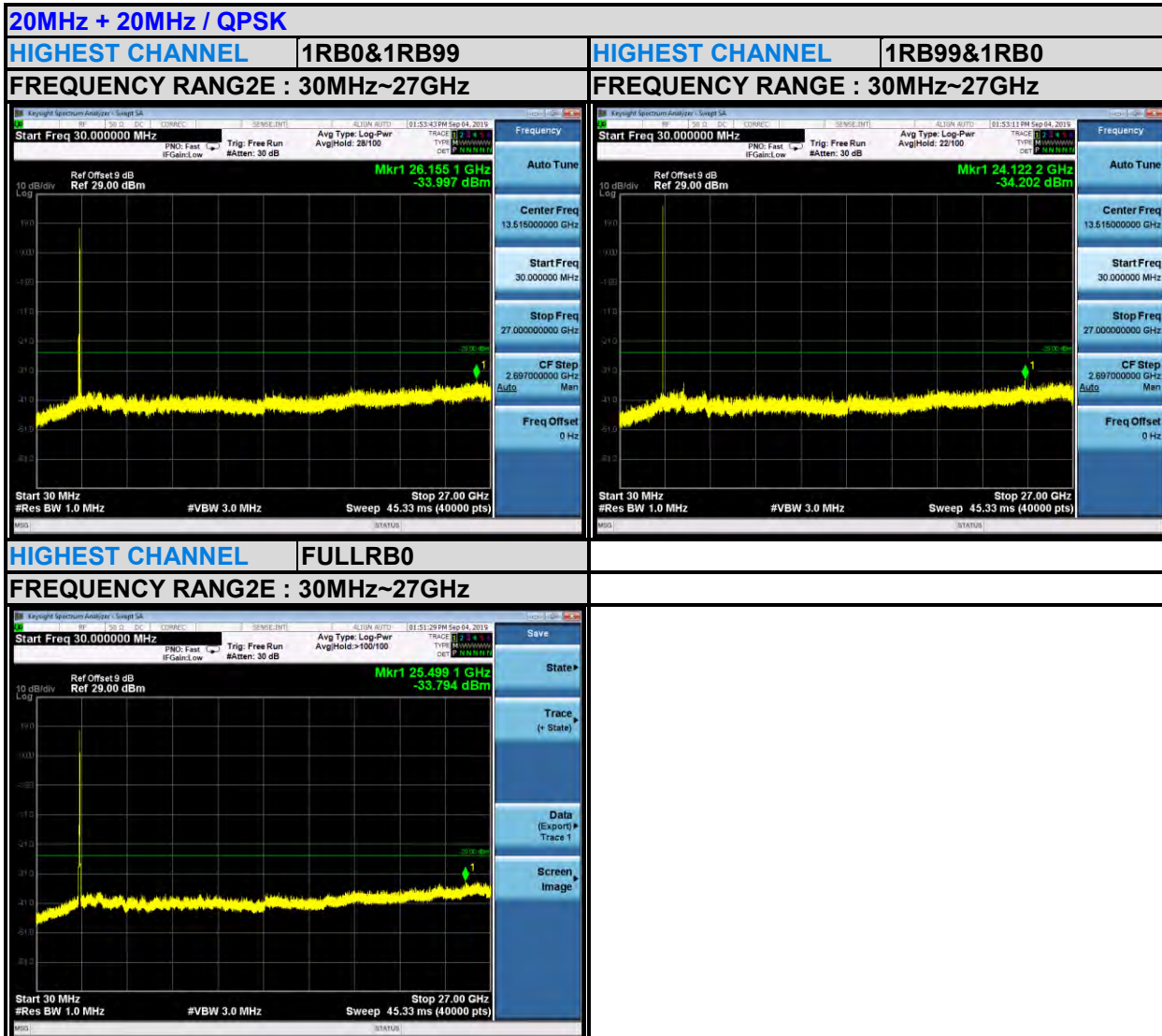
**MIDDLE CHANNEL**

**FULLRB0**

**FREQUENCY RANG2E : 30MHz~27GHz**







### 3.7 RADIATED EMISSION MEASUREMENT

#### 3.7.1 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  $55 + 10 \log_{10}(P)$  dB. The limit of emission is equal to -25dBm.

#### 3.7.2 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.  $EIRP = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$ .
- d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,  
 $E.R.P \text{ power} = E.I.P.R \text{ power} - 2.15dBi$ .

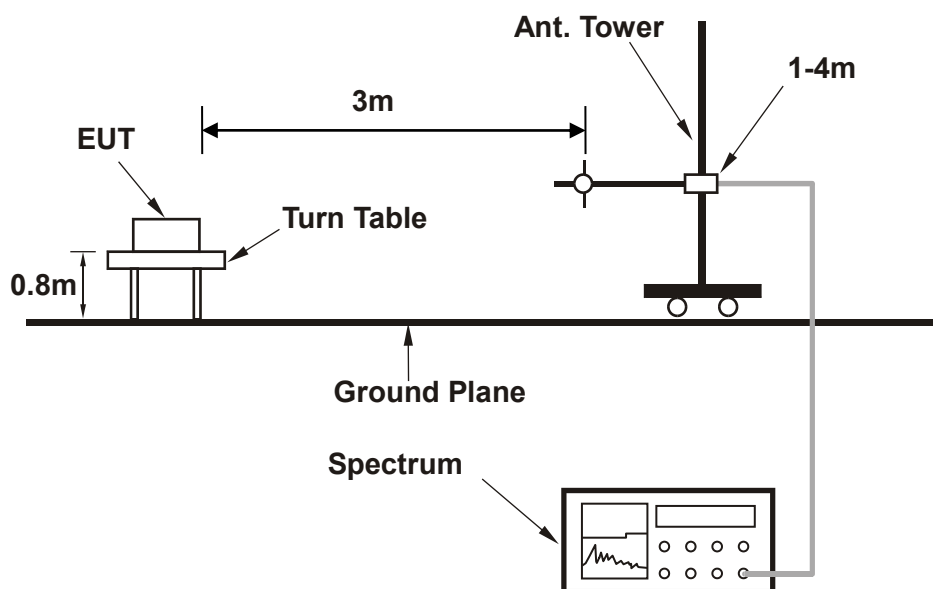
**NOTE:** The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

#### 3.7.3 DEVIATION FROM TEST STANDARD

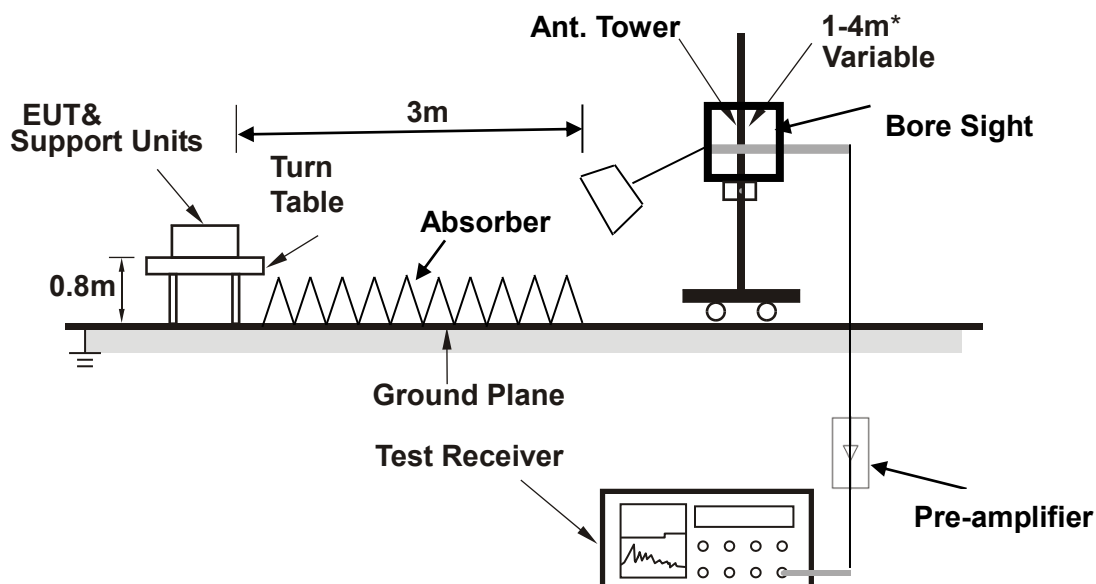
No deviation

### 3.7.4 TEST SETUP

#### < Frequency Range 30MHz~1GHz >



#### <Frequency Range above 1GHz>



**Note:** Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

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

### 3.7.5 TEST RESULTS

#### BELOW 1GHz WORST-CASE DATA

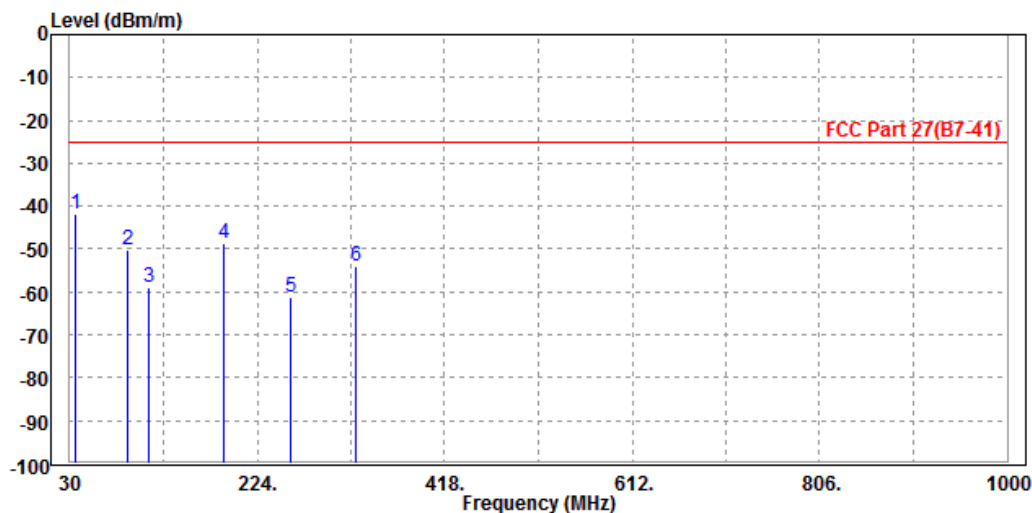
30 MHz – 1GHz data:

LTE Band 7

CHANNEL BANDWIDTH: 10MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

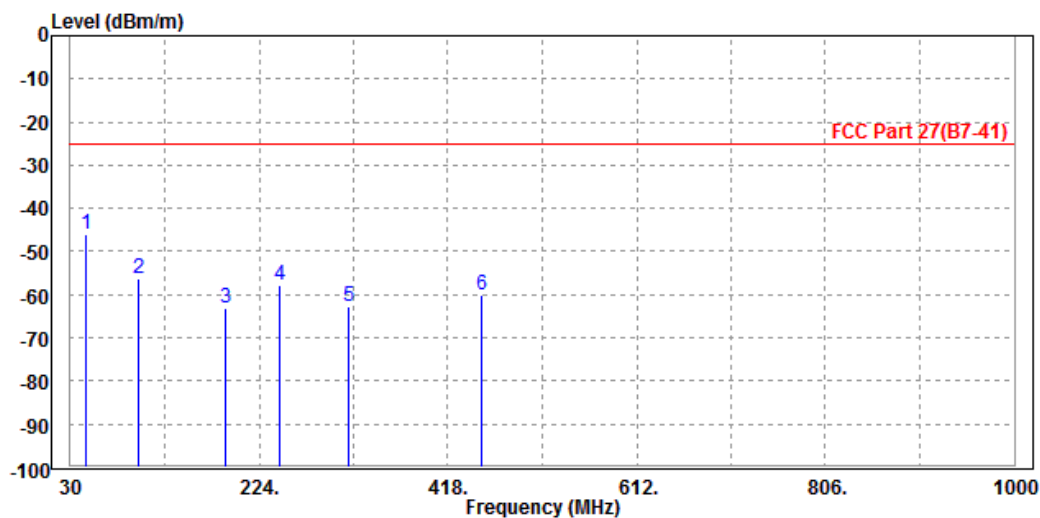
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	36.230	-41.86	-54.23	-25.00	-16.86	12.37	Peak	Horizontal
2		89.630	-50.21	-41.21	-25.00	-25.21	-9.00	Peak	Horizontal
3		112.320	-59.01	-45.28	-25.00	-34.01	-13.73	Peak	Horizontal
4		189.650	-48.63	-31.12	-25.00	-23.63	-17.51	Peak	Horizontal
5		258.450	-61.22	-45.36	-25.00	-36.22	-15.86	Peak	Horizontal
6		325.640	-54.18	-41.23	-25.00	-29.18	-12.95	Peak	Horizontal





MODE	TX channel 21100	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	45.260	-45.82	-42.56	-25.00	-20.82	-3.26	Peak	Vertical
2	99.850	-56.35	-45.68	-25.00	-31.35	-10.67	Peak	Vertical
3	189.670	-63.20	-51.26	-25.00	-38.20	-11.94	Peak	Vertical
4	245.610	-57.79	-46.35	-25.00	-32.79	-11.44	Peak	Vertical
5	315.660	-62.62	-51.38	-25.00	-37.62	-11.24	Peak	Vertical
6	452.160	-60.24	-51.23	-25.00	-35.24	-9.01	Peak	Vertical



### ABOVE 1GHz

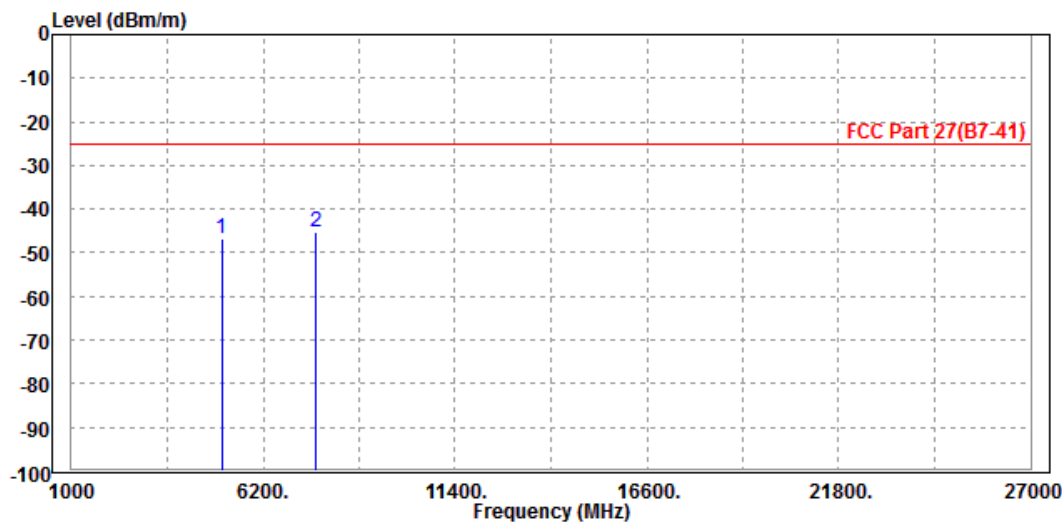
**Note:** For higher frequency, the emission is too low to be detected.

### LTE Band 7

**CHANNEL BANDWIDTH: 5MHz / QPSK**

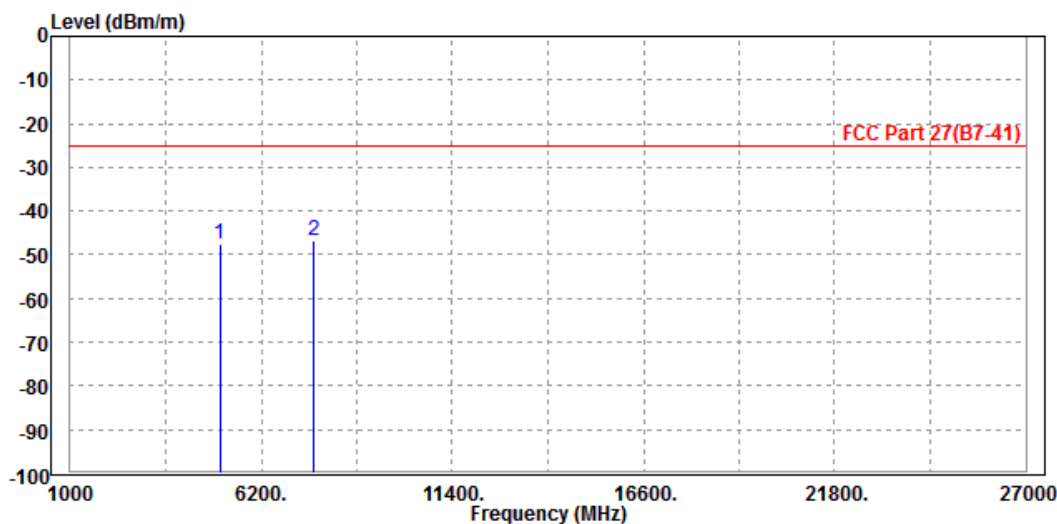
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-46.75	-55.21	-25.00	-21.75	8.46	Peak	Horizontal
2 PP	7605.000	-45.38	-58.86	-25.00	-20.38	13.48	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-47.39	-55.38	-25.00	-22.39	7.99	Peak	Vertical
2 PP	7605.000	-46.68	-59.67	-25.00	-21.68	12.99	Peak	Vertical

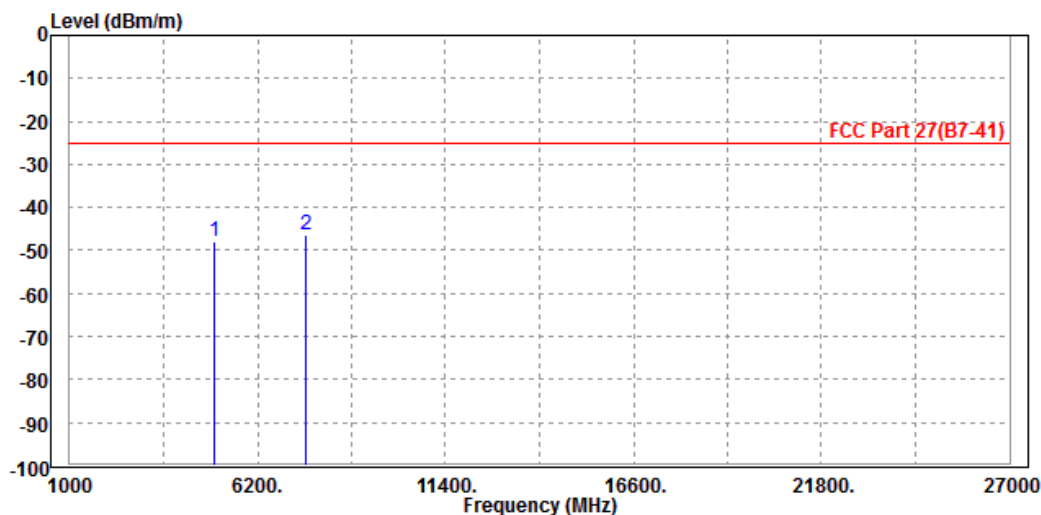


CHANNEL BANDWIDTH: 10MHz / QPSK

CH 20800

MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

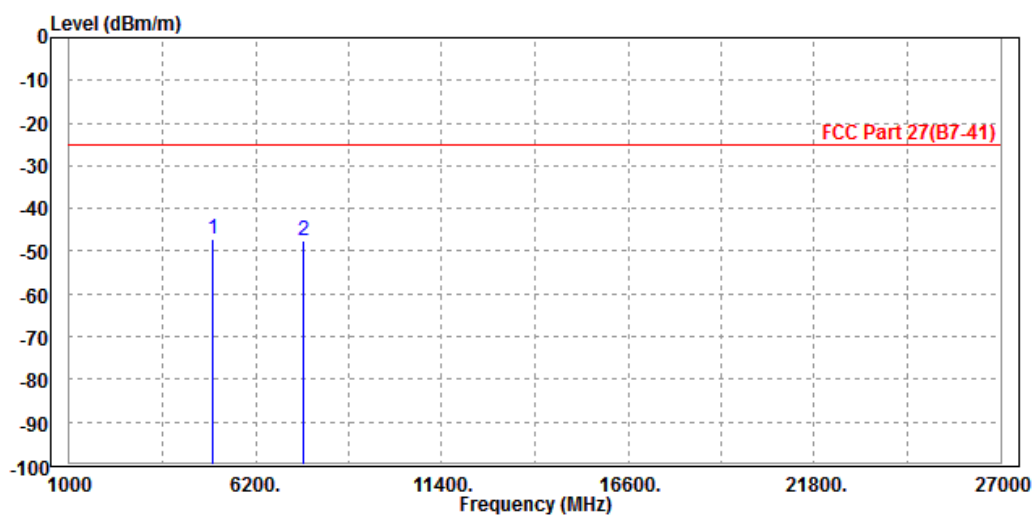
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5010.000	-47.79	-56.18	-25.00	-22.79	8.39	Peak	Horizontal
2 PP	7515.000	-46.28	-59.63	-25.00	-21.28	13.35	Peak	Horizontal





MODE	TX channel 20800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

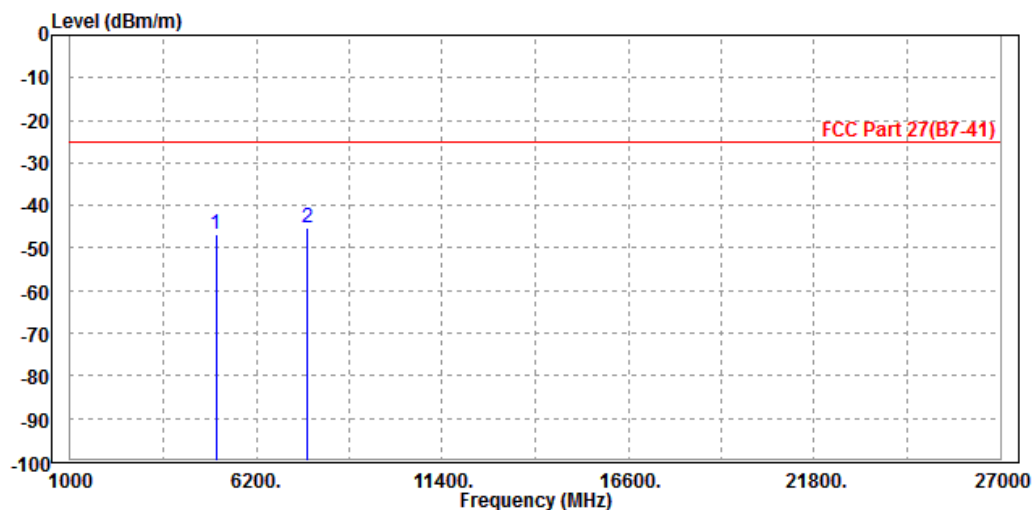
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5010.000	-47.15	-55.14	-25.00	-22.15	7.99	Peak	Vertical
2	7515.000	-47.42	-60.25	-25.00	-22.42	12.83	Peak	Vertical



CH 21100

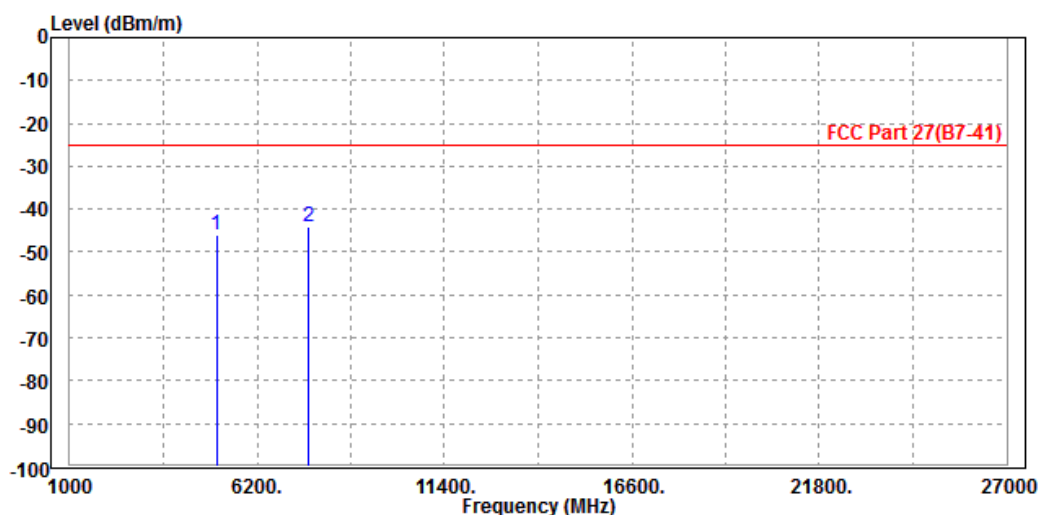
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-46.75	-55.21	-25.00	-21.75	8.46	Peak	Horizontal
2 PP	7605.000	-45.15	-58.63	-25.00	-20.15	13.48	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

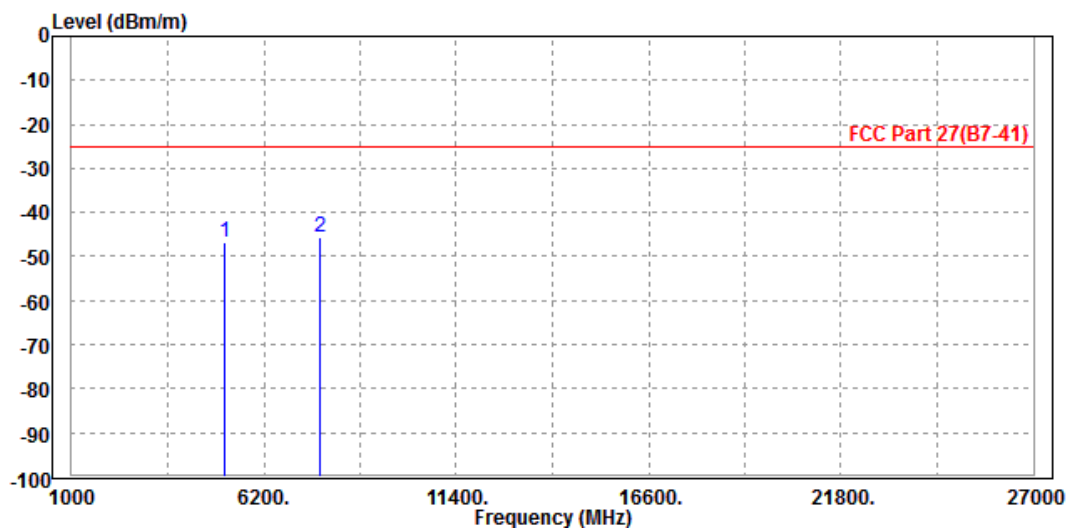
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-46.17	-54.16	-25.00	-21.17	7.99	Peak	Vertical
2 PP	7605.000	-44.26	-57.25	-25.00	-19.26	12.99	Peak	Vertical



CH 21400

MODE	TX channel 21400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

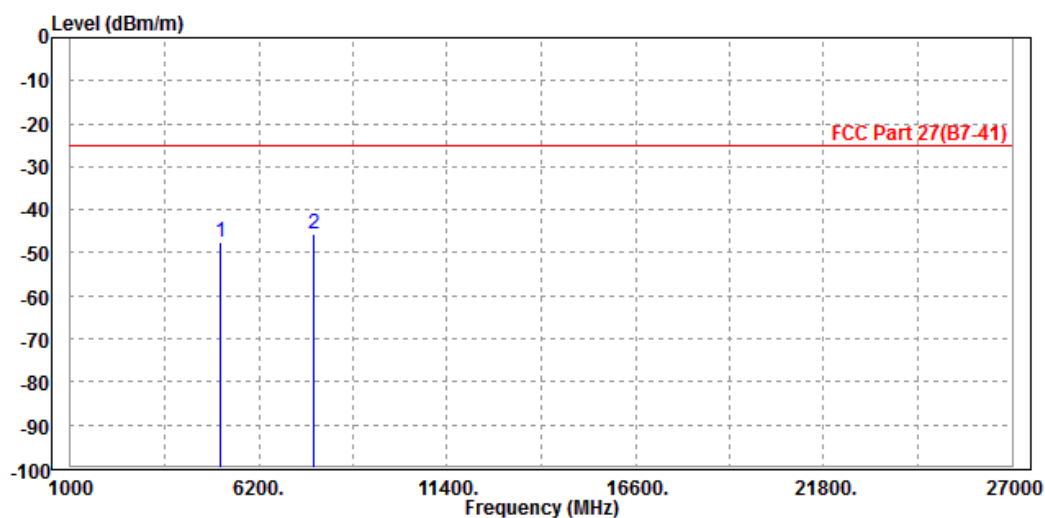
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5130.000	-46.59	-55.12	-25.00	-21.59	8.53	Peak	Horizontal
2 PP	7695.000	-45.74	-59.35	-25.00	-20.74	13.61	Peak	Horizontal





MODE	TX channel 21400	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

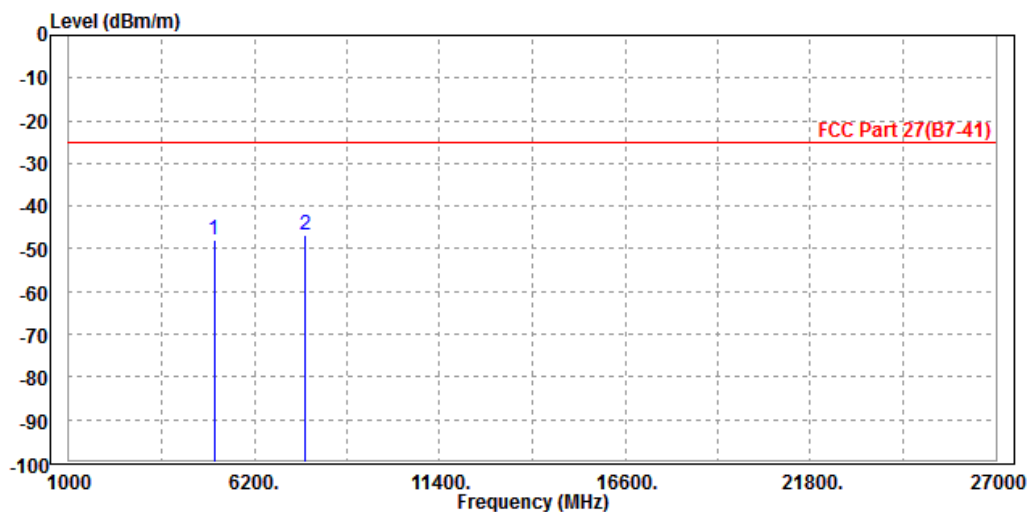
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5130.000	-47.40	-55.39	-25.00	-22.40	7.99	Peak	Vertical
2 PP	7695.000	-45.49	-58.64	-25.00	-20.49	13.15	Peak	Vertical



**CHANNEL BANDWIDTH: 15MHz / QPSK**

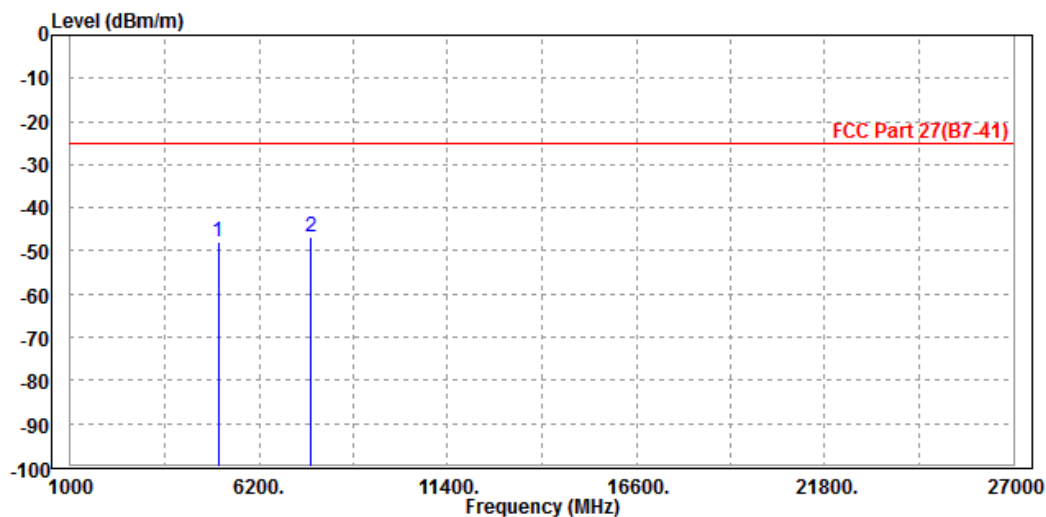
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-47.89	-56.35	-25.00	-22.89	8.46	Peak	Horizontal
2 PP	7605.000	-46.79	-60.27	-25.00	-21.79	13.48	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

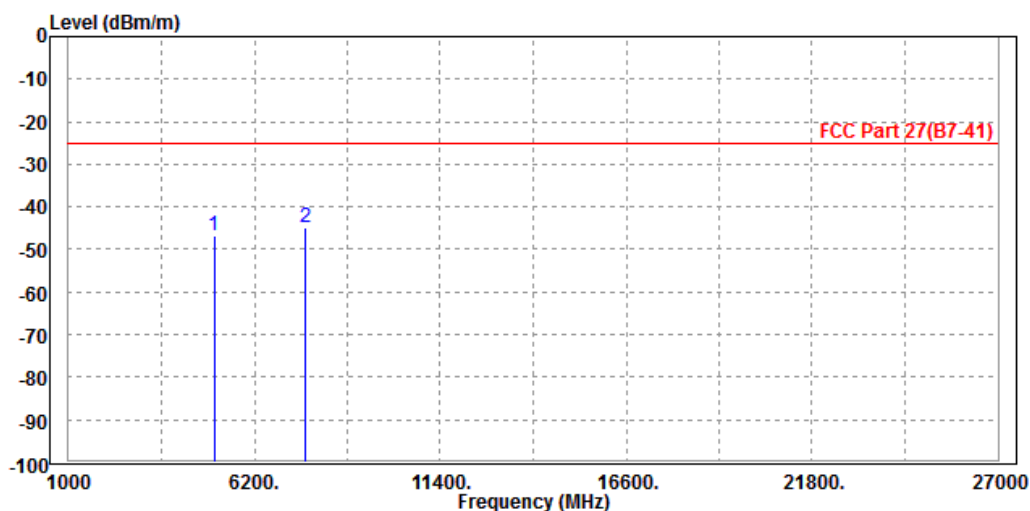
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-47.73	-55.72	-25.00	-22.73	7.99	Peak	Vertical
2 PP	7605.000	-46.85	-59.84	-25.00	-21.85	12.99	Peak	Vertical



**CHANNEL BANDWIDTH: 20MHz / QPSK**

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

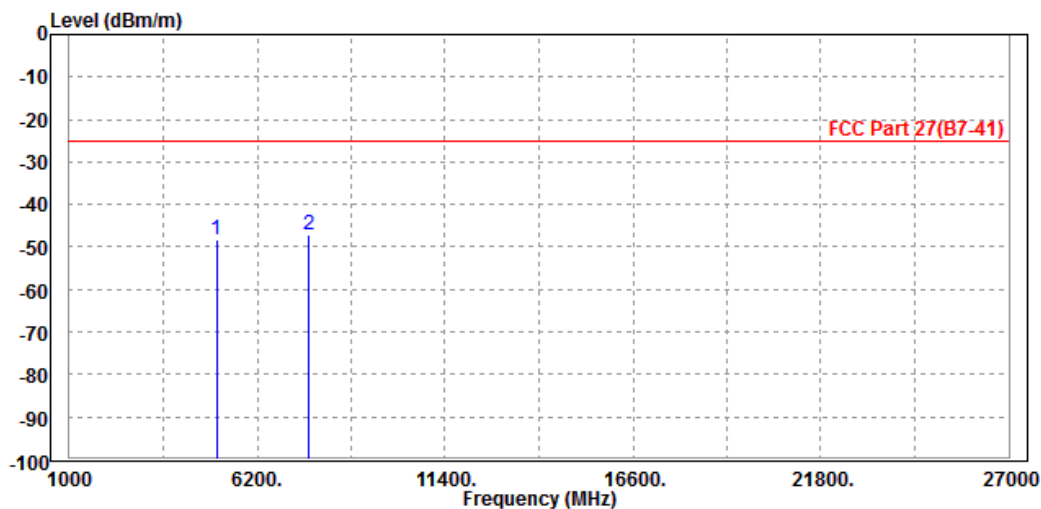
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-46.90	-55.36	-25.00	-21.90	8.46	Peak	Horizontal
2 PP	7605.000	-44.97	-58.45	-25.00	-19.97	13.48	Peak	Horizontal





MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5070.000	-48.14	-56.13	-25.00	-23.14	7.99	Peak	Vertical
2 PP	7605.000	-47.33	-60.32	-25.00	-22.33	12.99	Peak	Vertical

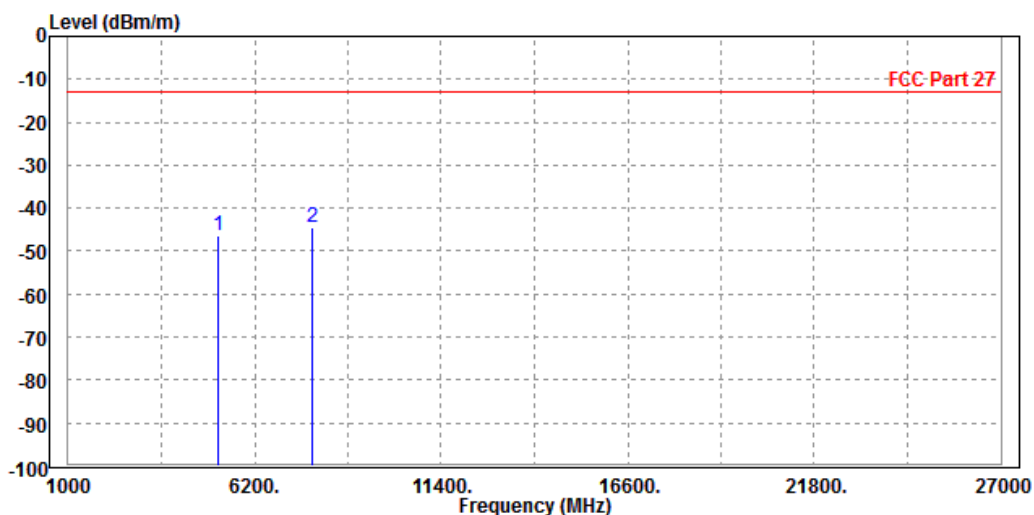


**LTE Band 38**

**CHANNEL BANDWIDTH: 5MHz / QPSK**

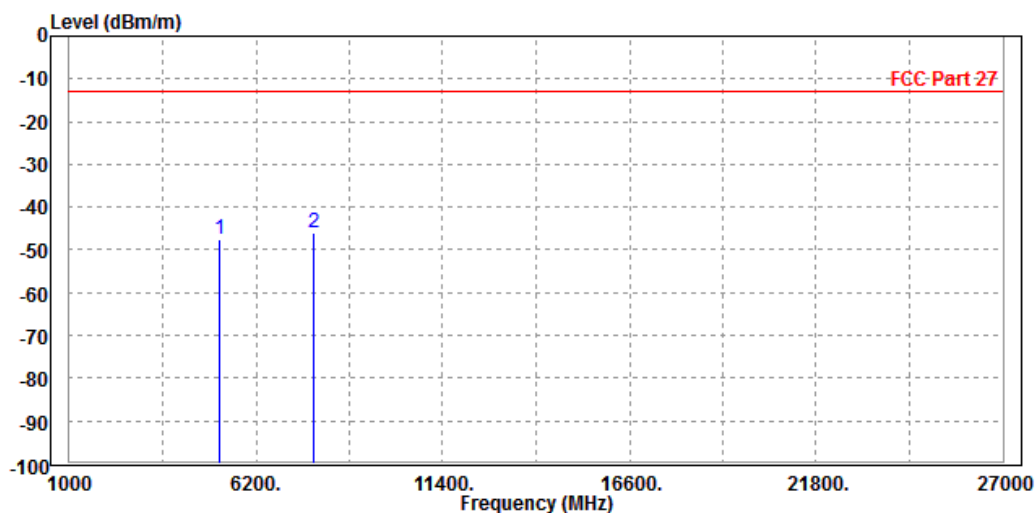
MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-46.53	-55.12	-13.00	-33.53	8.59	Peak	Horizontal
2 PP	7785.000	-44.53	-58.27	-13.00	-31.53	13.74	Peak	Horizontal



MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-47.71	-55.69	-13.00	-34.71	7.98	Peak	Vertical
2 PP	7785.000	-46.15	-59.45	-13.00	-33.15	13.30	Peak	Vertical

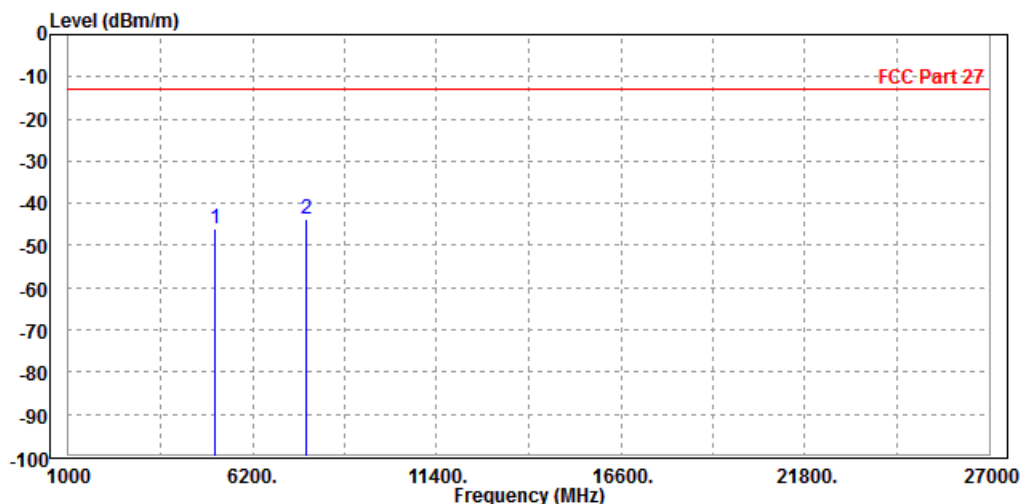


CHANNEL BANDWIDTH: 10MHz / QPSK

CH 37800

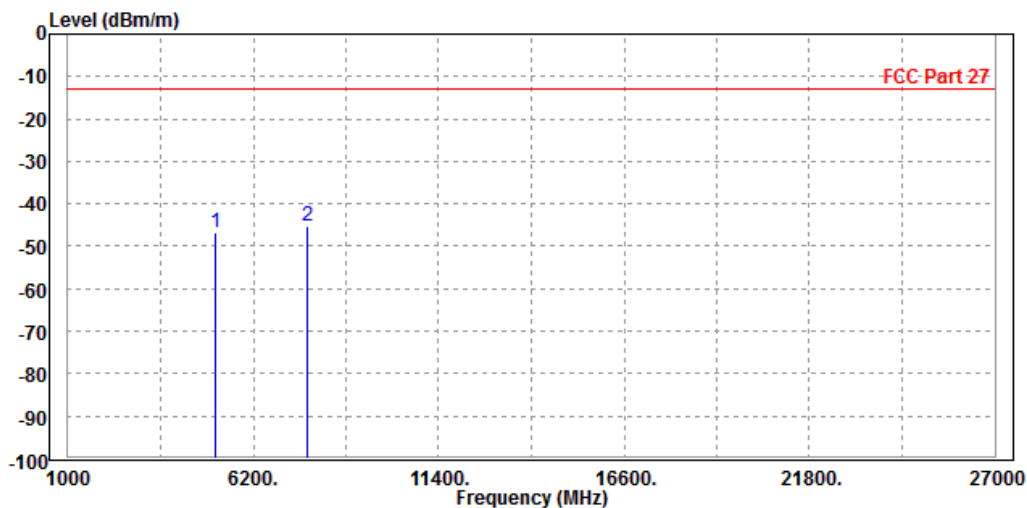
MODE	TX channel 37800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5160.000	-46.09	-54.65	-13.00	-33.09	8.56	Peak	Horizontal
2 PP	7725.000	-43.77	-57.42	-13.00	-30.77	13.65	Peak	Horizontal



MODE	TX channel 37800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5160.000	-46.88	-54.86	-13.00	-33.88	7.98	Peak	Vertical
2 PP	7725.000	-45.42	-58.62	-13.00	-32.42	13.20	Peak	Vertical

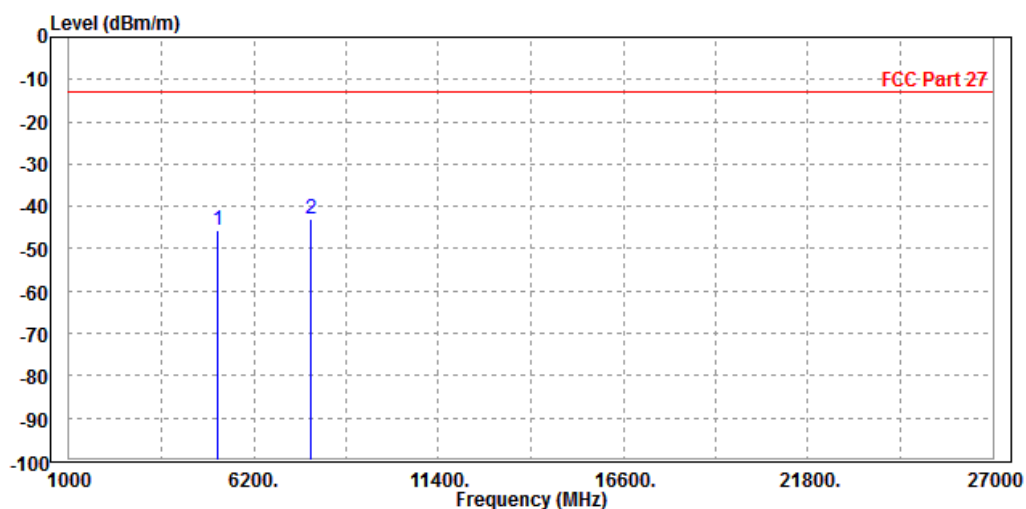




CH 38000

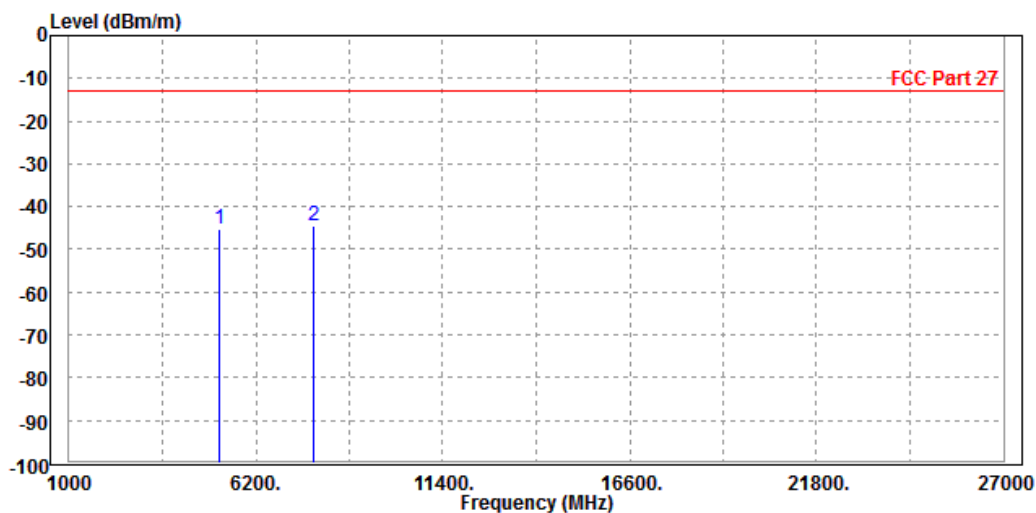
MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-45.77	-54.36	-13.00	-32.77	8.59	Peak	Horizontal
2 PP	7785.000	-42.78	-56.52	-13.00	-29.78	13.74	Peak	Horizontal



MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

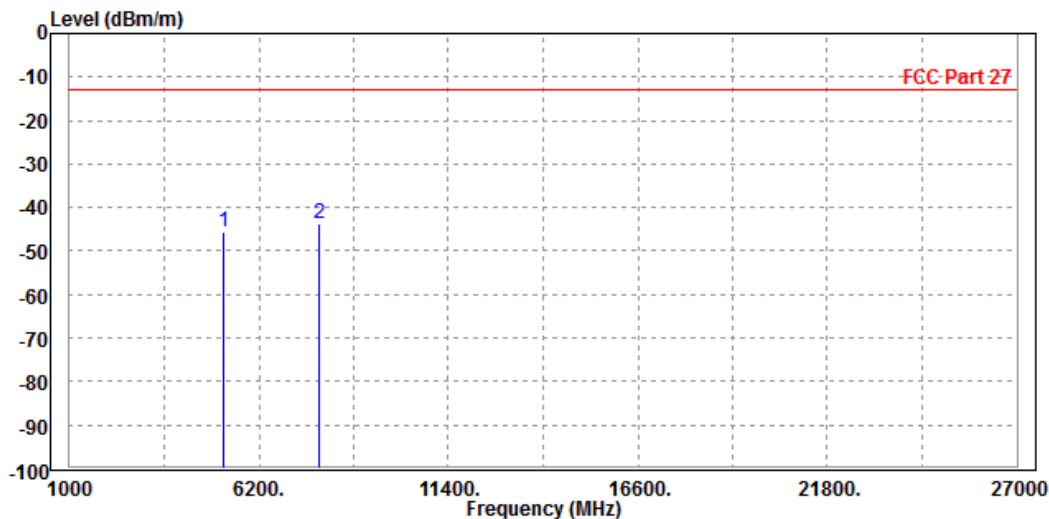
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-45.24	-53.22	-13.00	-32.24	7.98	Peak	Vertical
2 PP	7785.000	-44.34	-57.64	-13.00	-31.34	13.30	Peak	Vertical



CH 38200

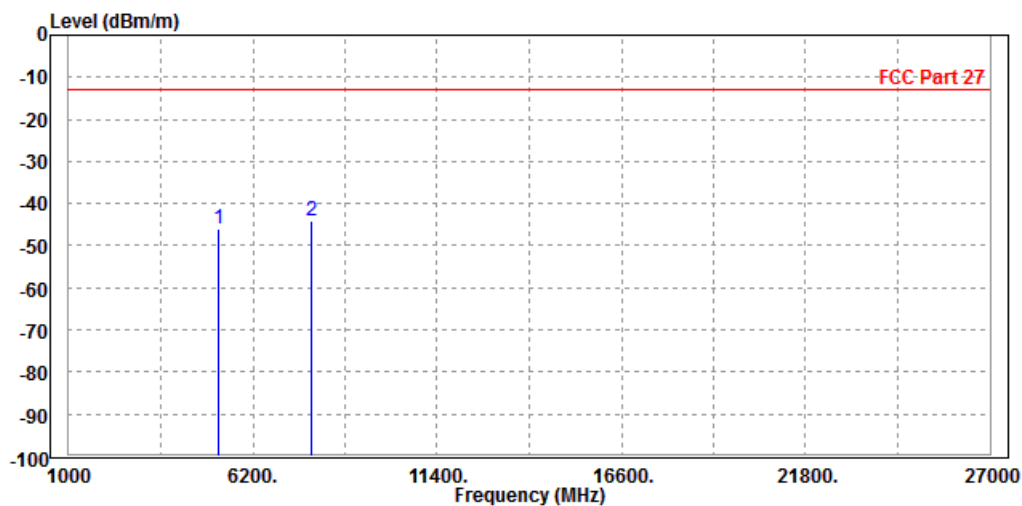
MODE	TX channel 38200	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5238.000	-45.58	-54.23	-13.00	-32.58	8.65	Peak	Horizontal
2 PP	7845.000	-43.59	-57.41	-13.00	-30.59	13.82	Peak	Horizontal



MODE	TX channel 38200	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

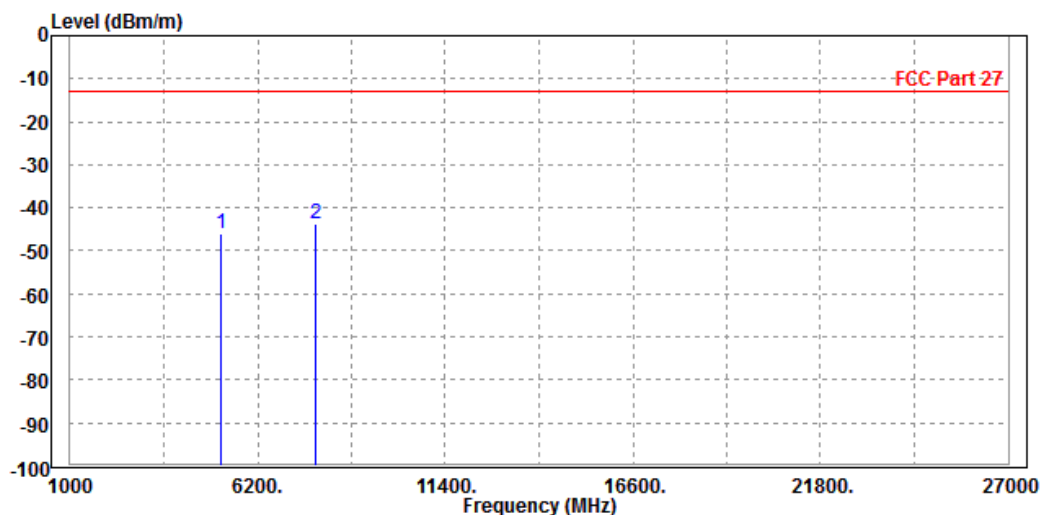
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5238.000	-46.14	-54.12	-13.00	-33.14	7.98	Peak	Vertical
2 PP	7845.000	-43.94	-57.35	-13.00	-30.94	13.41	Peak	Vertical



**CHANNEL BANDWIDTH: 15MHz / QPSK**

MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

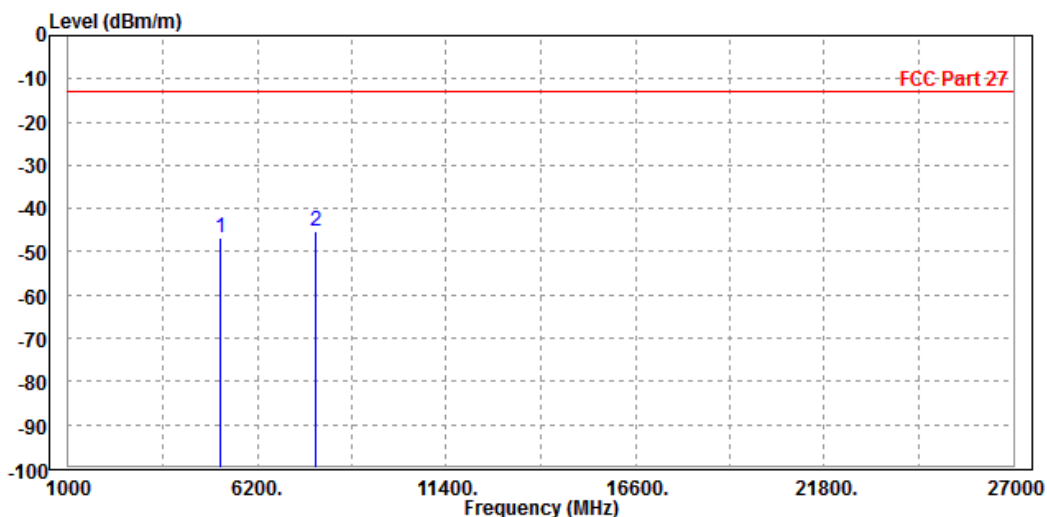
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-46.02	-54.61	-13.00	-33.02	8.59	Peak	Horizontal
2 PP	7785.000	-43.74	-57.48	-13.00	-30.74	13.74	Peak	Horizontal





MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

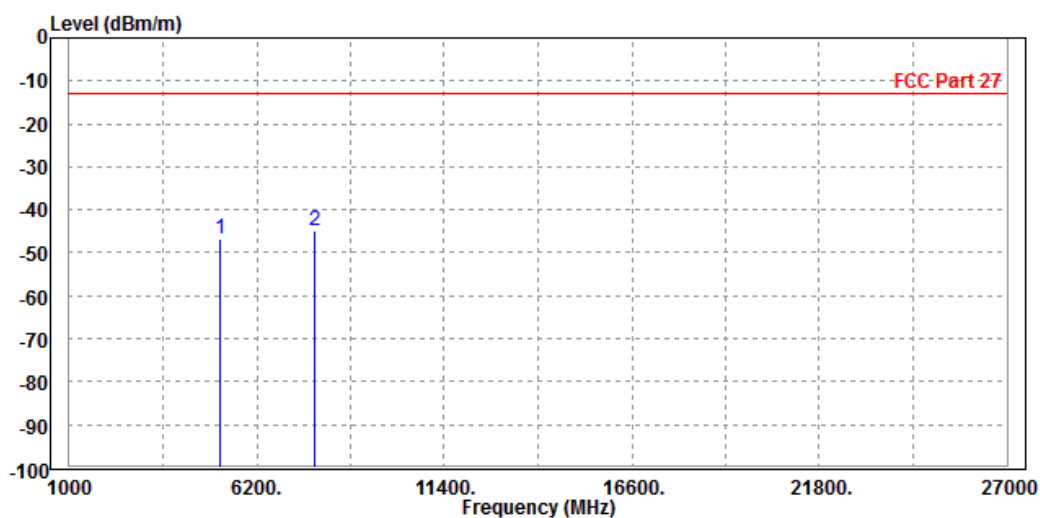
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-46.83	-54.81	-13.00	-33.83	7.98	Peak	Vertical
2 PP	7785.000	-45.33	-58.63	-13.00	-32.33	13.30	Peak	Vertical



**CHANNEL BANDWIDTH: 20MHz / QPSK**

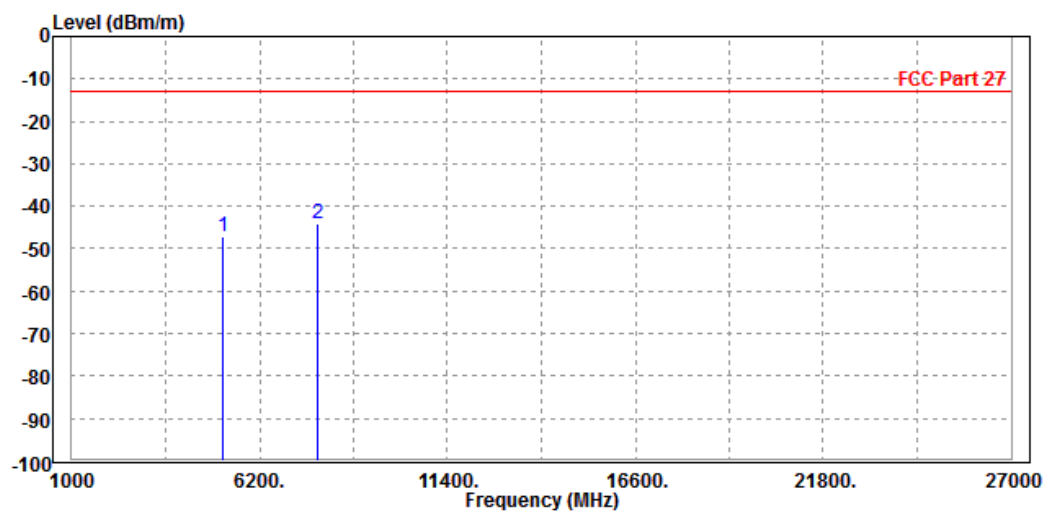
MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-46.78	-55.37	-13.00	-33.78	8.59	Peak	Horizontal
2 PP	7785.000	-44.72	-58.46	-13.00	-31.72	13.74	Peak	Horizontal



MODE	TX channel 38000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Star Le		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-47.20	-55.18	-13.00	-34.20	7.98	Peak	Vertical
2 PP	7785.000	-44.16	-57.46	-13.00	-31.16	13.30	Peak	Vertical

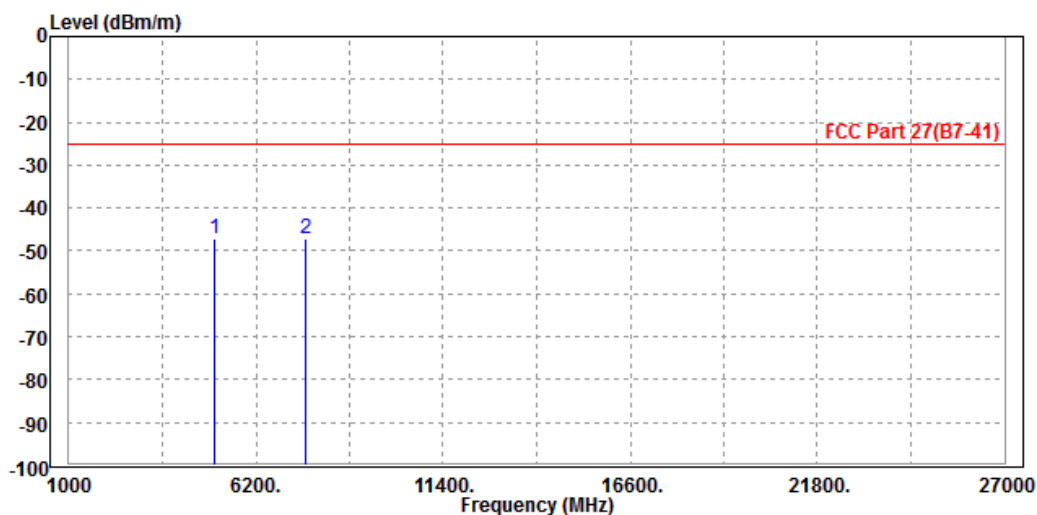


LTE Band CA\_7C

CHANNEL BANDWIDTH: 10 MHz + 20MHz

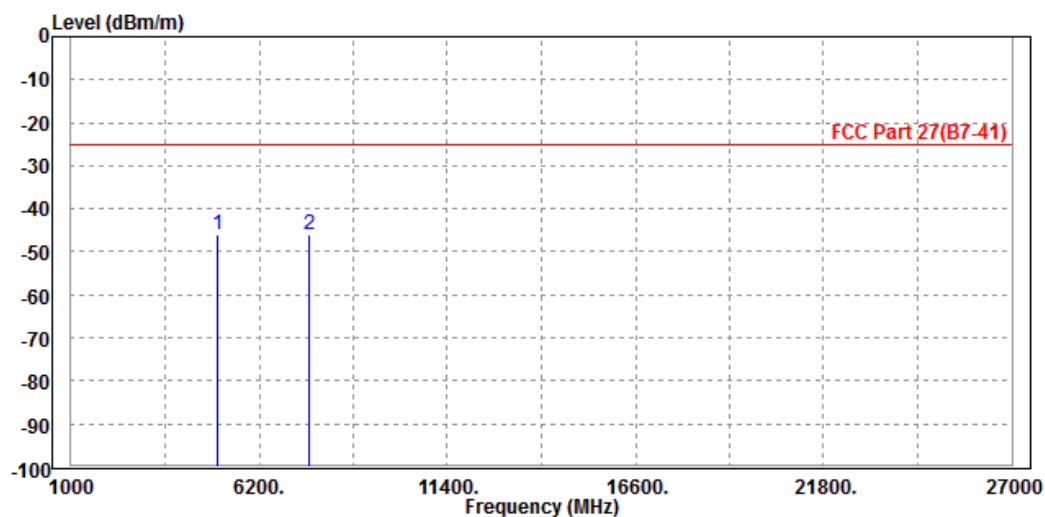
MODE	TX channel PCC 21006	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21150		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5056.000	-47.32	-56.01	-25.00	-22.32	8.69	Peak	Horizontal
2 PP	7576.800	-47.18	-58.57	-25.00	-22.18	11.39	Peak	Horizontal



MODE	TX channel PCC 21006	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21150		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5056.000	-46.17	-56.05	-25.00	-21.17	9.88	Peak	Vertical
2 PP	7576.800	-45.91	-58.68	-25.00	-20.91	12.77	Peak	Vertical







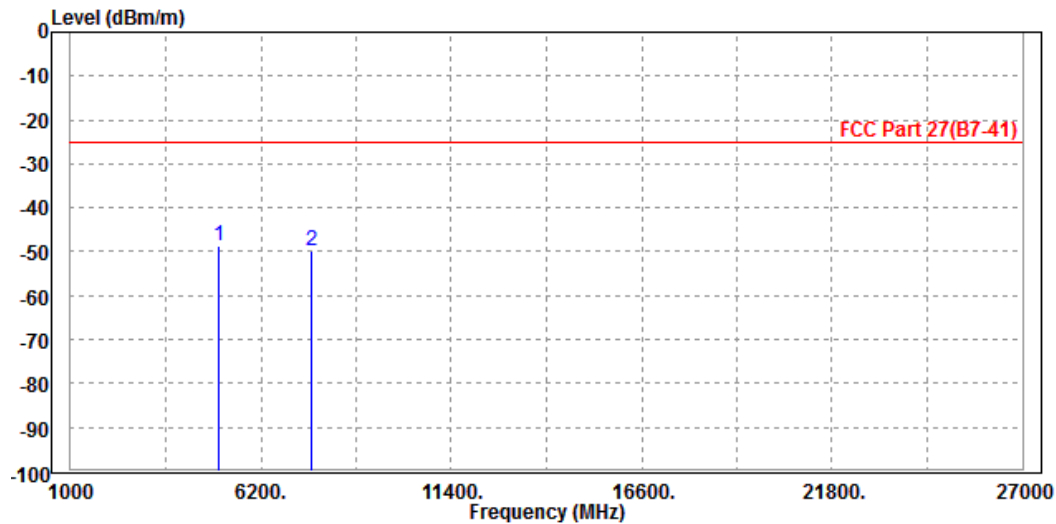
BUREAU  
VERITAS

Test Report No.: RF190823W003-7

CHANNEL BANDWIDTH: 15MHz + 10MHz

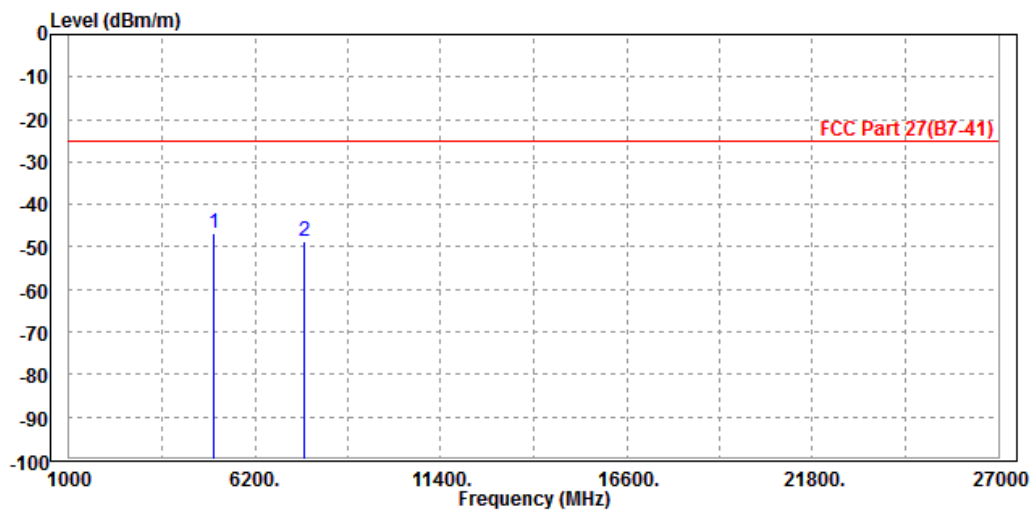
MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21171		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-48.62	-57.31	-25.00	-23.62	8.69	Peak	Horizontal
2	7590.300	-49.76	-61.16	-25.00	-24.76	11.40	Peak	Horizontal



MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21171		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

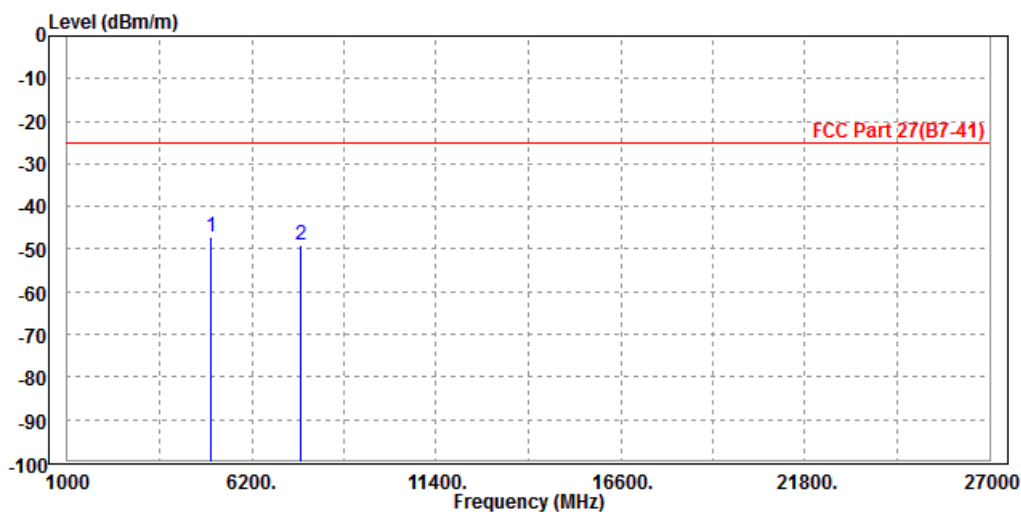
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-46.83	-56.71	-25.00	-21.83	9.88	Peak	Vertical
2	7590.300	-48.69	-61.46	-25.00	-23.69	12.77	Peak	Vertical



**CHANNEL BANDWIDTH: 15MHz + 15MHz**

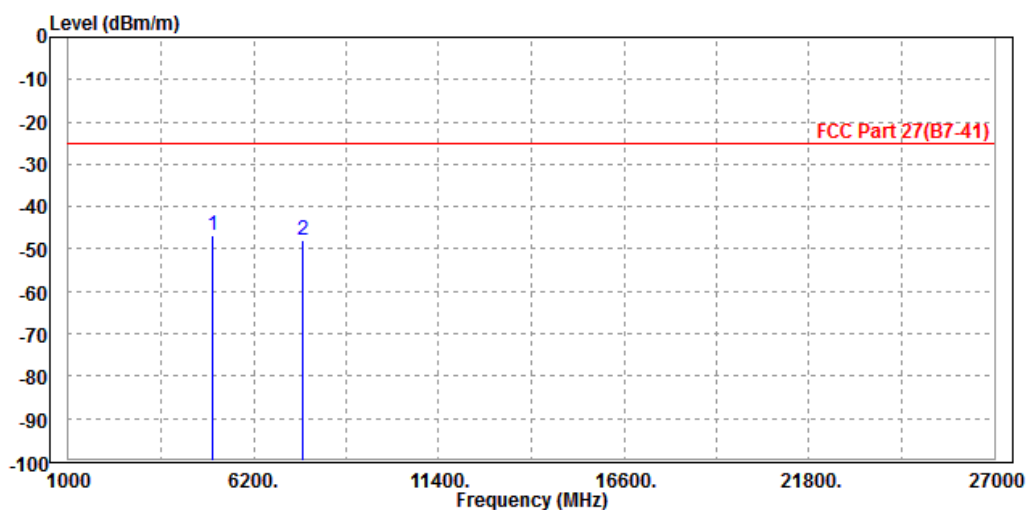
MODE	TX channel PCC 21025	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21175		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-47.15	-55.84	-25.00	-22.15	8.69	Peak	Horizontal
2	7582.500	-49.15	-60.54	-25.00	-24.15	11.39	Peak	Horizontal



MODE	TX channel PCC 21025	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21175		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-46.61	-56.49	-25.00	-21.61	9.88	Peak	Vertical
2	7582.500	-47.89	-60.66	-25.00	-22.89	12.77	Peak	Vertical





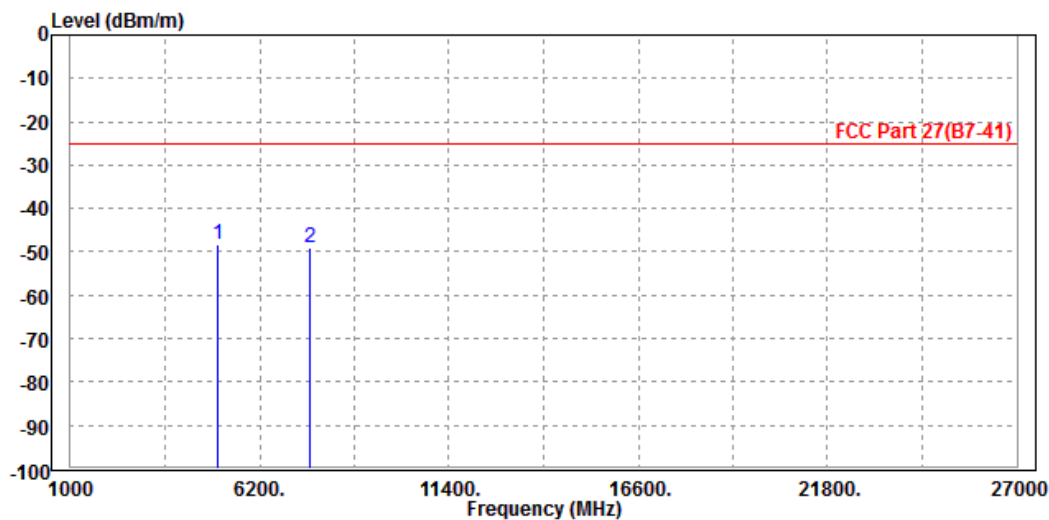
BUREAU  
VERITAS

Test Report No.: RF190823W003-7

CHANNEL BANDWIDTH: 15MHz + 20MHz

MODE	TX channel PCC 21003	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21174		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

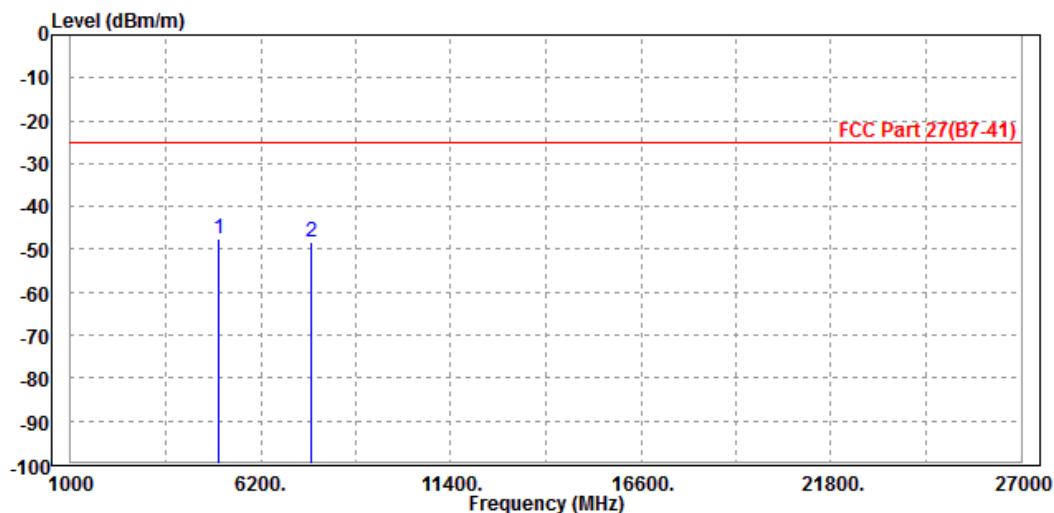
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5056.000	-48.20	-56.89	-25.00	-23.20	8.69	Peak	Horizontal
2	7575.900	-49.06	-60.45	-25.00	-24.06	11.39	Peak	Horizontal





MODE	TX channel PCC 21003	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21174		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

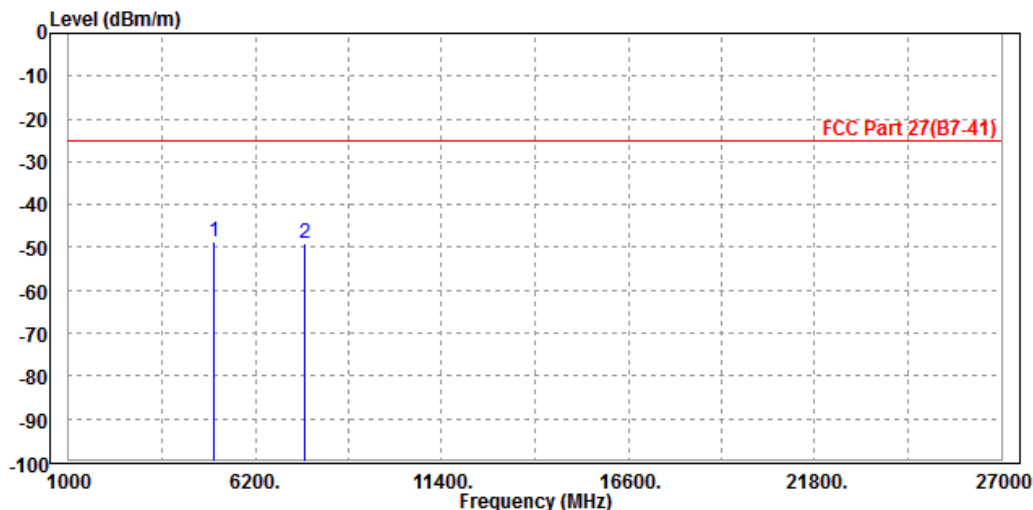
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-47.42	-57.30	-25.00	-22.42	9.88	Peak	Vertical
2	7575.900	-48.38	-61.15	-25.00	-23.38	12.77	Peak	Vertical



**CHANNEL BANDWIDTH: 20MHz + 10MHz**

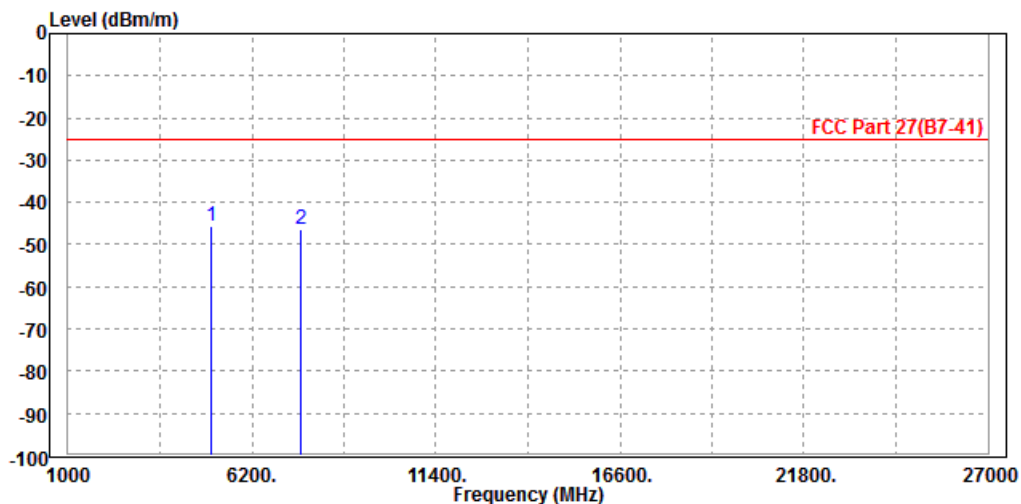
MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21195		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-48.64	-57.33	-25.00	-23.64	8.69	Peak	Horizontal
2	7590.300	-49.02	-60.42	-25.00	-24.02	11.40	Peak	Horizontal



MODE	TX channel PCC 21051	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21195		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-45.71	-55.59	-25.00	-20.71	9.88	Peak	Vertical
2	7590.300	-46.45	-59.22	-25.00	-21.45	12.77	Peak	Vertical





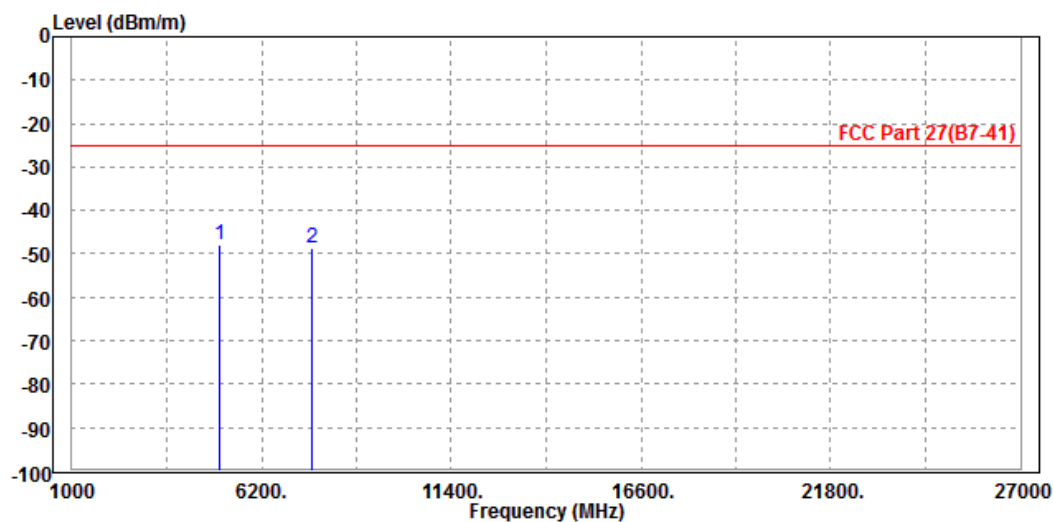
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Test Report No.: RF190823W003-7

CHANNEL BANDWIDTH: 20MHz + 15MHz

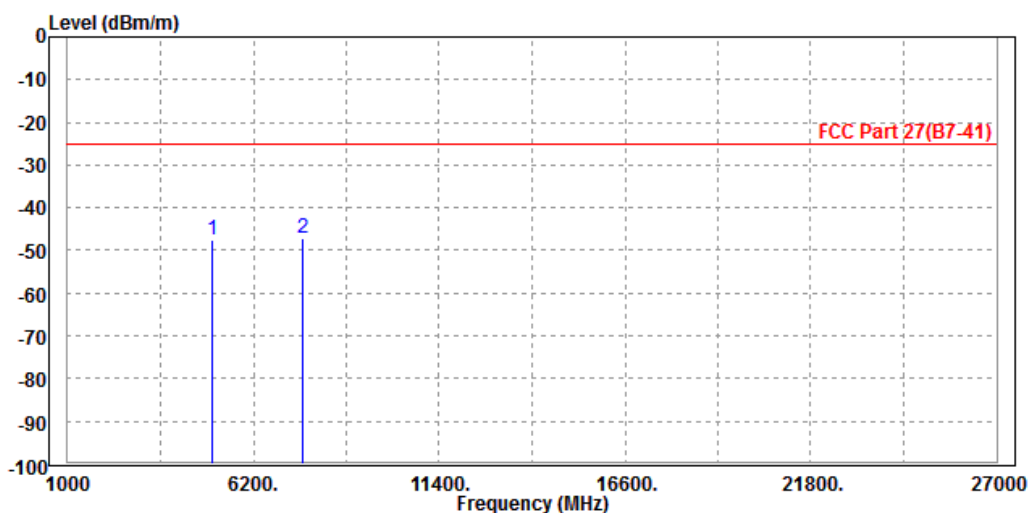
MODE	TX channel PCC 21026	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21197		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

			Read	Limit	Over			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5056.000	-48.07	-56.76	-25.00	-23.07	8.69	Peak	Horizontal
2	7582.800	-48.83	-60.22	-25.00	-23.83	11.39	Peak	Horizontal



MODE	TX channel PCC 21026	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21197		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

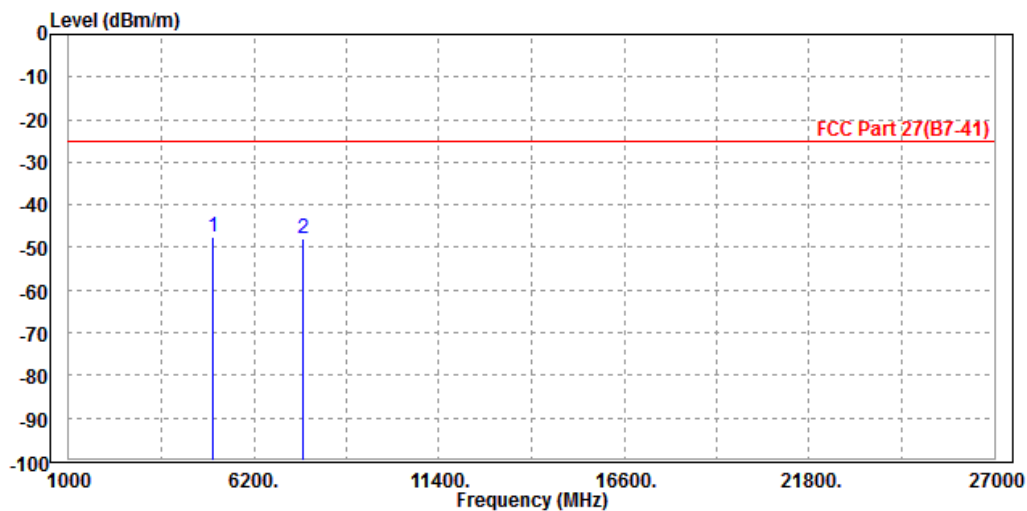
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5056.000	-47.35	-57.23	-25.00	-22.35	9.88	Peak	Vertical
2 PP	7582.800	-47.07	-59.84	-25.00	-22.07	12.77	Peak	Vertical



**CHANNEL BANDWIDTH: 20MHz + 20MHz**

MODE	TX channel PCC 21001	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21199		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

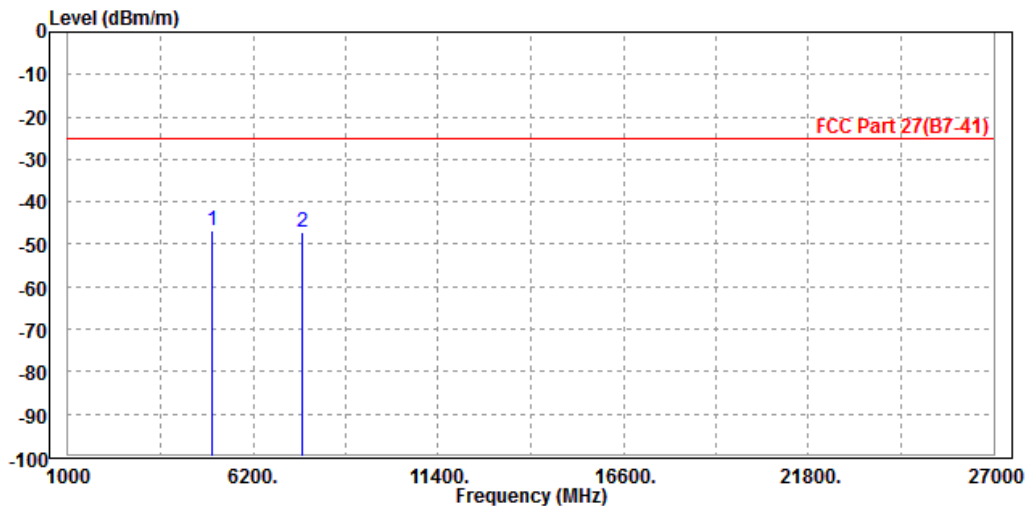
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-47.50	-56.19	-25.00	-22.50	8.69	Peak	Horizontal
2	7575.300	-47.72	-59.11	-25.00	-22.72	11.39	Peak	Horizontal





MODE	TX channel PCC 21001	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 21199		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5056.000	-46.74	-56.62	-25.00	-21.74	9.88	Peak	Vertical
2	7575.300	-47.14	-59.91	-25.00	-22.14	12.77	Peak	Vertical

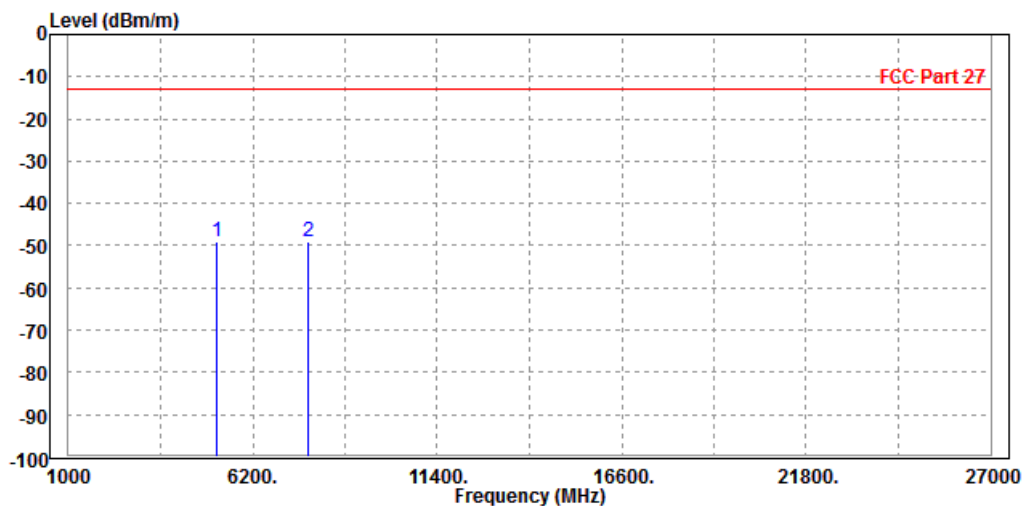


LTE Band CA\_38C

CHANNEL BANDWIDTH: 15 MHz + 15MHz

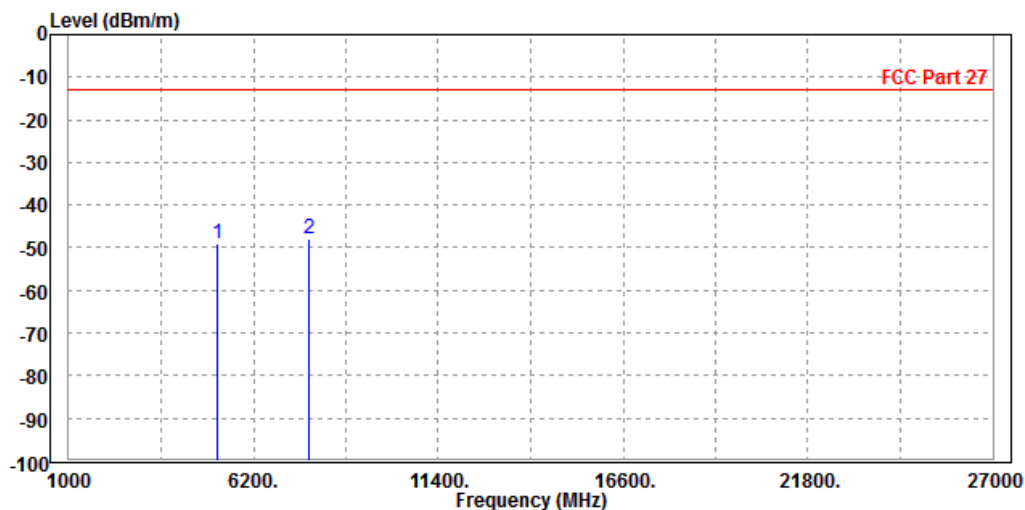
MODE	TX channel PCC 37925	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 38075		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-49.06	-58.14	-13.00	-36.06	9.08	Peak	Horizontal
2	7762.500	-49.19	-60.66	-13.00	-36.19	11.47	Peak	Horizontal



MODE	TX channel PCC 37925	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 38075		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

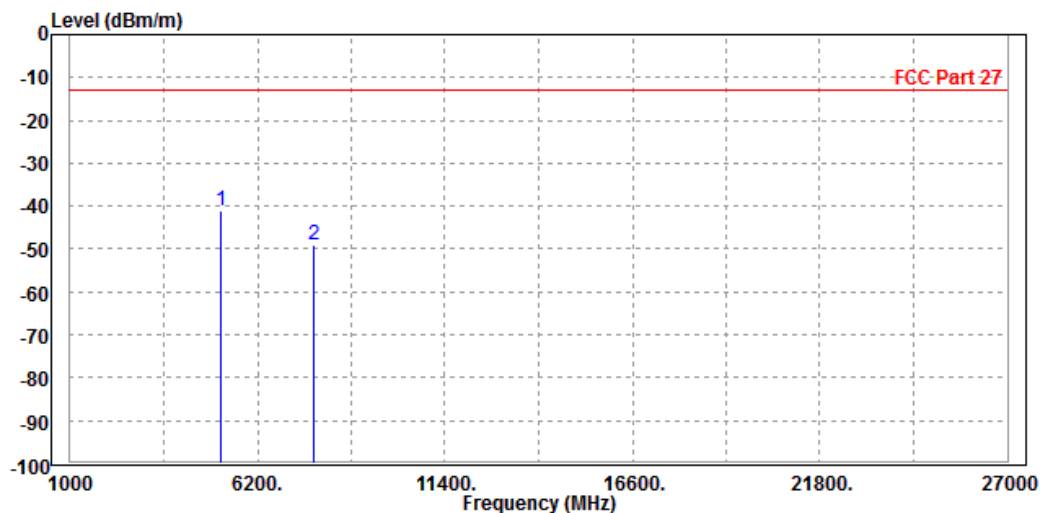
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-48.88	-57.96	-13.00	-35.88	9.08	Peak	Horizontal
2 PP	7762.500	-47.97	-59.44	-13.00	-34.97	11.47	Peak	Horizontal



**CHANNEL BANDWIDTH: 20MHz + 20MHz**

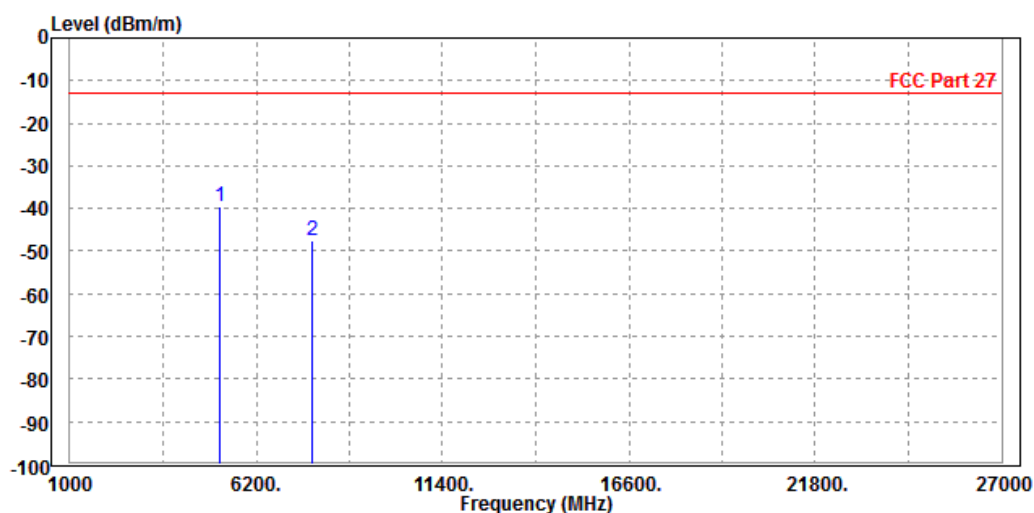
MODE	TX channel PCC 37901	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 38099		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5170.200	-40.94	-49.97	-13.00	-27.94	9.03	Peak	Horizontal
2	7755.300	-49.24	-60.70	-13.00	-36.24	11.46	Peak	Horizontal



MODE	TX channel PCC 37901	FREQUENCY RANGE	Above 1000MHz
	TX channel SCC 38099		
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	DC 5V/9V/12V from adapter
TESTED BY	Tony		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5170.200	-39.53	-49.36	-13.00	-26.53	9.83	Peak	Vertical
2	7755.300	-47.64	-60.48	-13.00	-34.64	12.84	Peak	Vertical





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#### 4 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:

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Email: [customerservice.dg@cn.bureauveritas.com](mailto:customerservice.dg@cn.bureauveritas.com)

Web Site: [www.adt.com.tw](http://www.adt.com.tw)

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





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## 5 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.

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