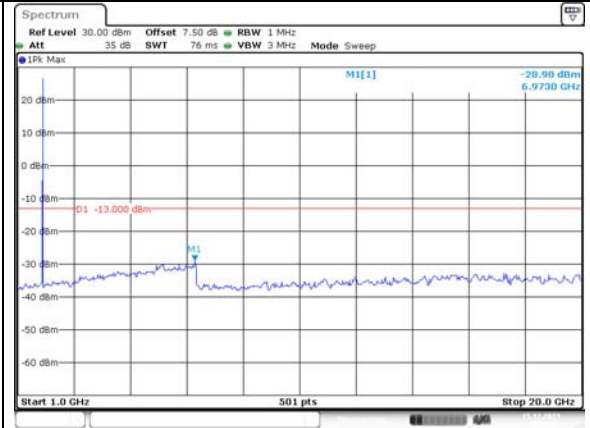
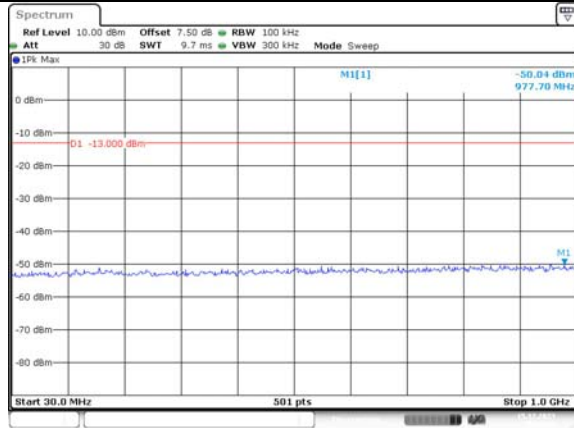


Spurious Emissions at Antenna Terminal

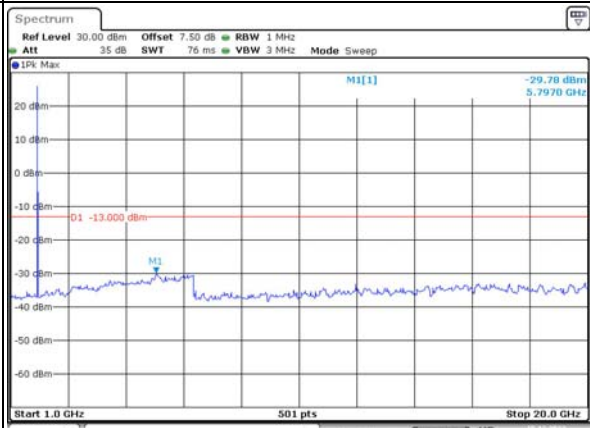
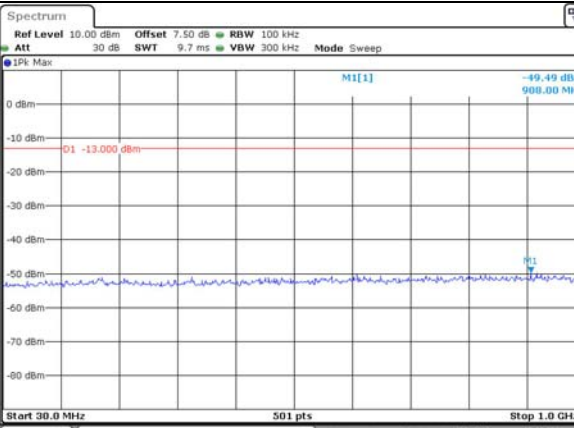
Channel

5MHz Bandwidth QPSK

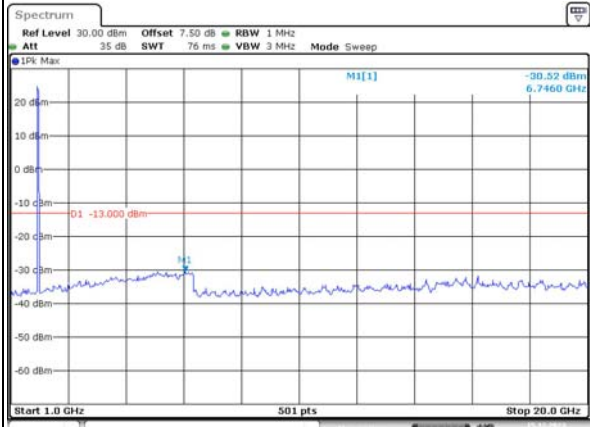
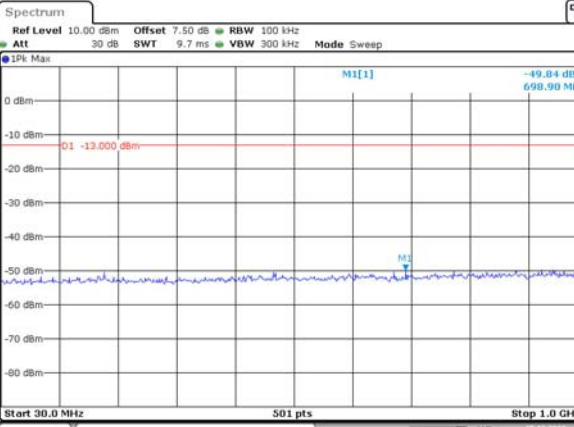
Lowest



Middle



Highest



Spurious Emissions at Antenna Terminal

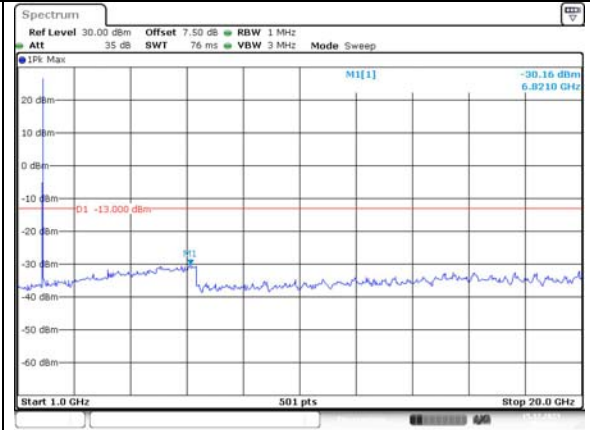
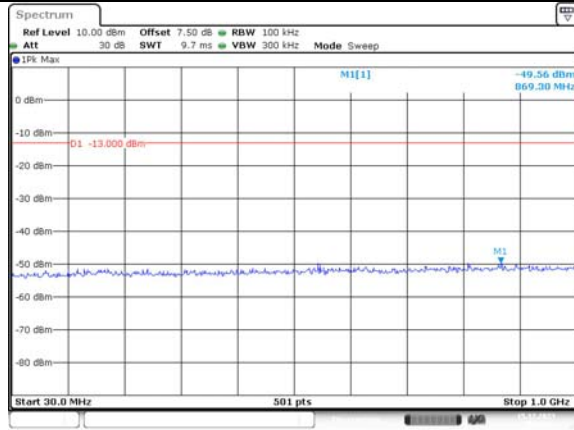
Channel	10MHz Bandwidth QPSK	
Lowest	<p>Ref Level 10.00 dBm Offset 7.50 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep IPk Max M1[1] -50.00 dBm 789.90 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15, DEC, 2023 15:05:19</p>	<p>Ref Level 30.00 dBm Offset 7.50 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep IPk Max M1[1] -29.88 dBm 6.7080 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15, DEC, 2023 15:05:44</p>
Middle	<p>Ref Level 10.00 dBm Offset 7.50 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep IPk Max M1[1] -49.65 dBm 642.80 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15, DEC, 2023 15:06:23</p>	<p>Ref Level 30.00 dBm Offset 7.50 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep IPk Max M1[1] -29.00 dBm 5.8350 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15, DEC, 2023 15:06:42</p>
Highest	<p>Ref Level 10.00 dBm Offset 7.50 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep IPk Max M1[1] -49.80 dBm 906.10 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15, DEC, 2023 15:07:28</p>	<p>Ref Level 30.00 dBm Offset 7.50 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep IPk Max M1[1] -29.21 dBm 6.8210 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15, DEC, 2023 15:07:46</p>

Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

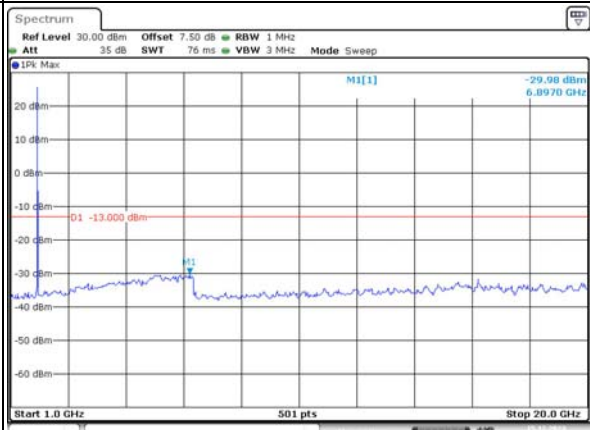
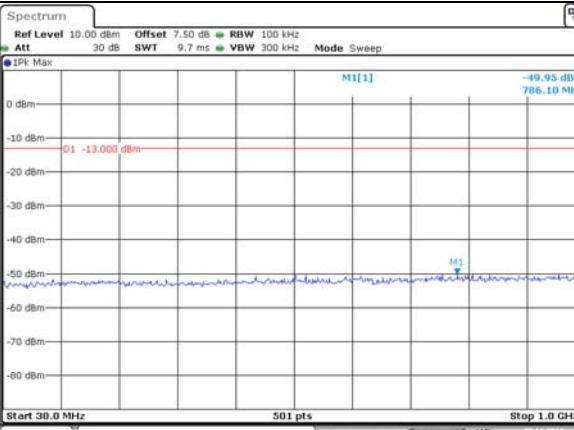
Lowest



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:08:43

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:09:03

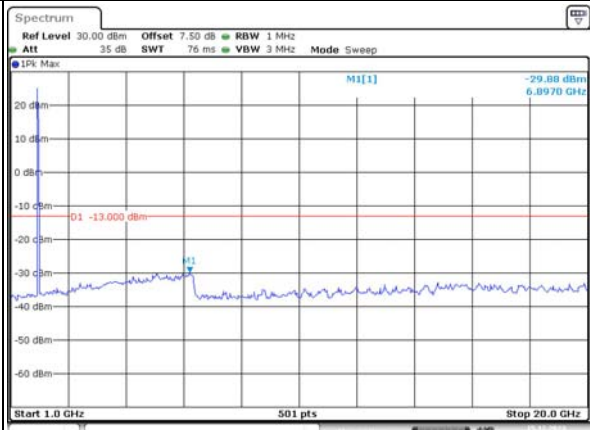
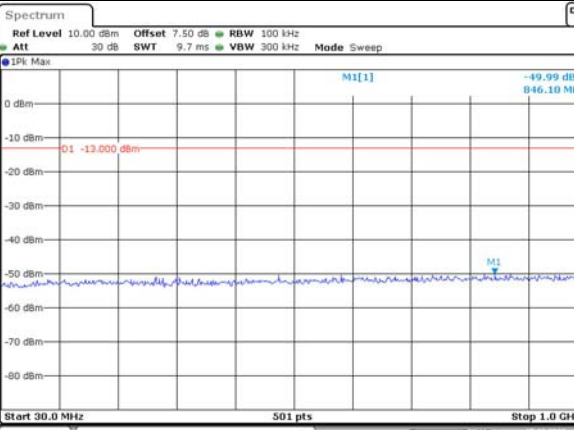
Middle



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:11:32

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:11:58

Highest



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:12:41

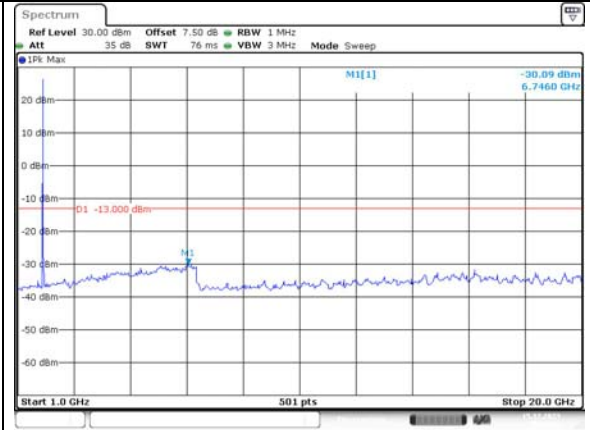
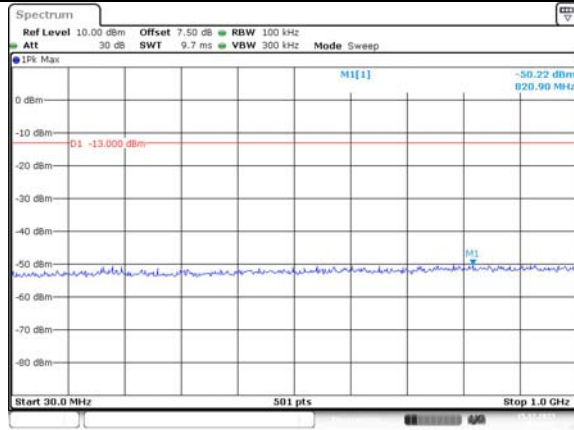
ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:13:06

Spurious Emissions at Antenna Terminal

Channel

20MHz Bandwidth QPSK

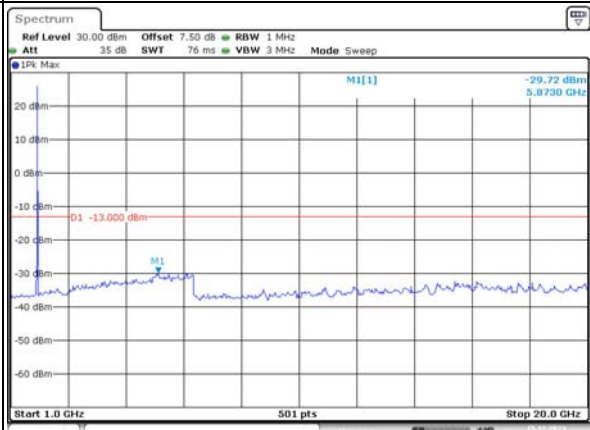
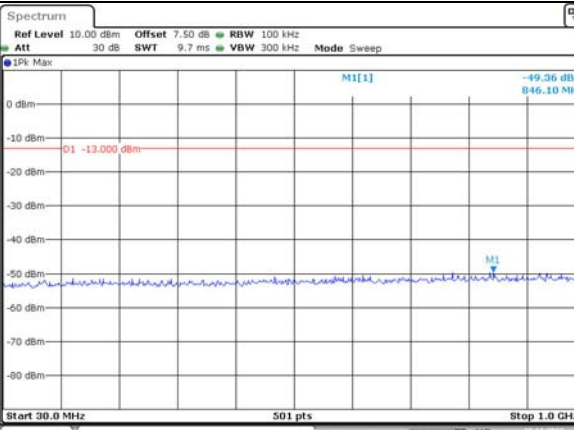
Lowest



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:15:47

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:16:07

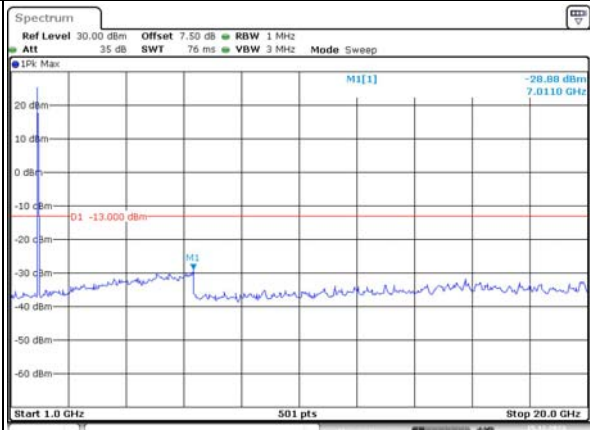
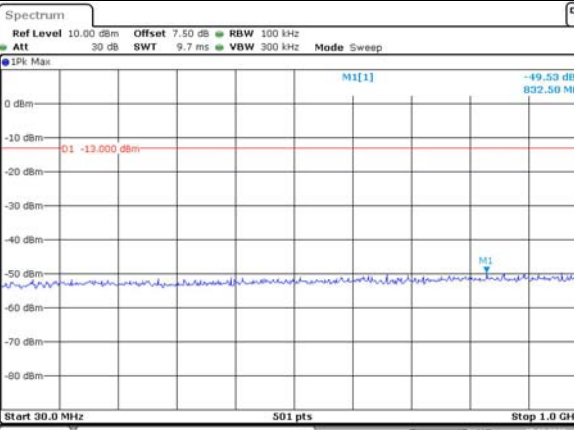
Middle



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:16:52

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:17:21

Highest



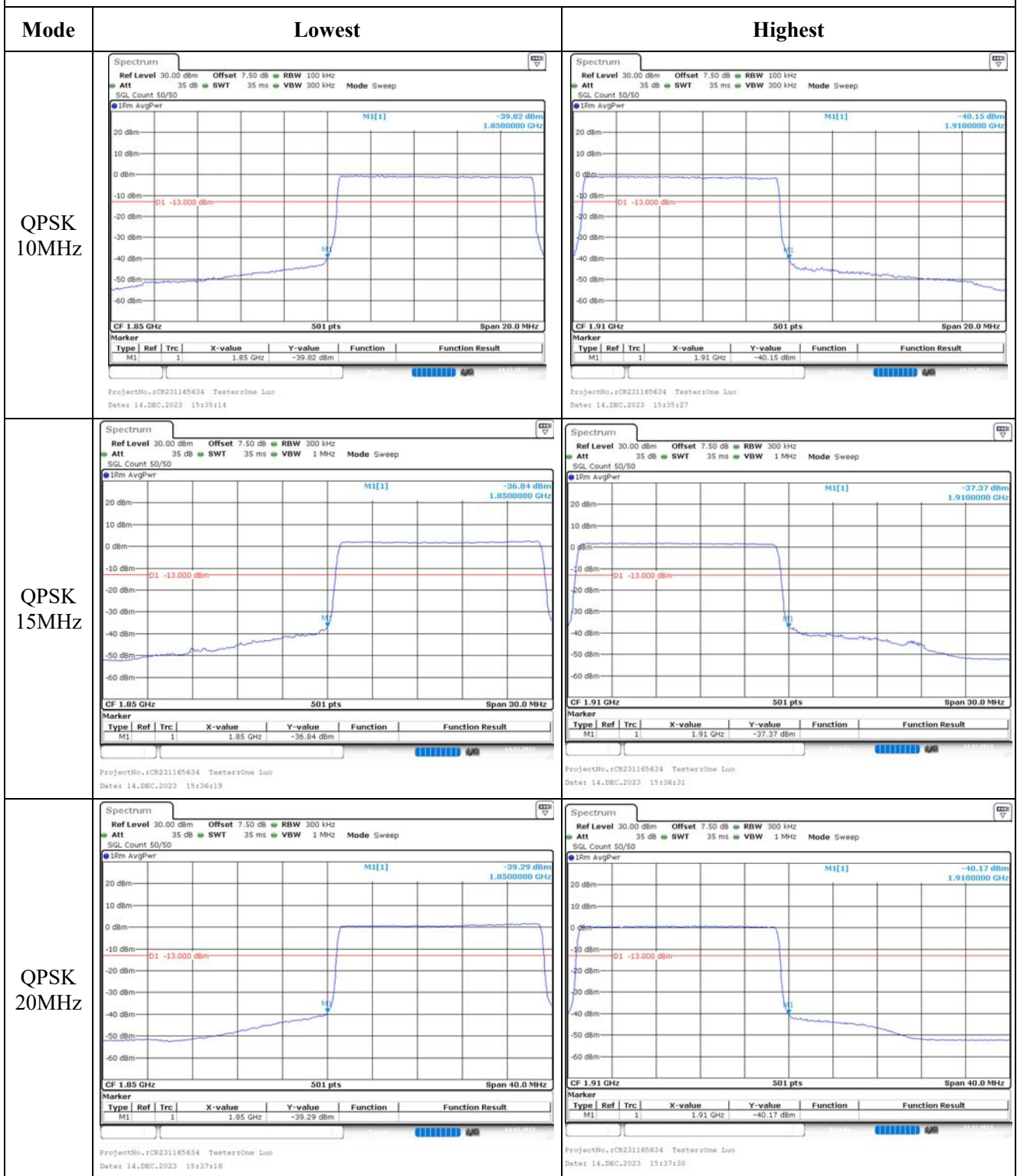
ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:17:55

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:18:14

Out of band emission, Band Edge, Full RB

Mode	Lowest	Highest
QPSK 1.4MHz	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 15:30:19</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 15:30:31</p>
QPSK 3MHz	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 15:32:54</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 15:33:06</p>
QPSK 5MHz	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 15:33:56</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 15:34:08</p>

Out of band emission, Band Edge, Full RB



Out of band emission, Band Edge, Full RB

Mode	Lowest	Highest
16QAM 1.4MHz		
16QAM 3MHz		
16QAM 5MHz		

Out of band emission, Band Edge, Full RB

Mode	Lowest	Highest
16QAM 10MHz		
16QAM 15MHz		
16QAM 20MHz		



Out of band emission, Band Edge-Minimum RB

Mode	Lowest(1#0)	Highest(1#Max)
QPSK 1.4MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:29:42</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:16:23</p>
QPSK 3MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:31:33</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:19:53</p>
QPSK 5MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:33:11</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:21:25</p>

Out of band emission, Band Edge-Minimum RB

Mode	Lowest(1#0)	Highest(1#Max)
QPSK 10MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:39:28</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:23:10</p>
QPSK 15MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:41:22</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:24:39</p>
QPSK 20MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:43:01</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:26:07</p>

Out of band emission, Band Edge-Minimum RB

Mode	Lowest(1#0)	Highest(1#Max)
16QAM 1.4MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:29:55</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:18:36</p>
16QAM 3MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:31:51</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:20:08</p>
16QAM 5MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:34:27</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:21:40</p>

Out of band emission, Band Edge-Minimum RB

Mode	Lowest(1#0)	Highest(1#Max)
16QAM 10MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:39:53</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:23:35</p>
16QAM 15MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:41:36</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:25:01</p>
16QAM 20MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:49:39</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:26:19</p>

**4.7 Antenna Port Test Data and Results for LTE Band 4**

Serial Number:	2BD2-1	Test Date:	2023/12/13~2024/1/8
Test Site:	RF	Test Mode:	Transmitting
Tester:	One Luo	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	24.5~25.6	Relative Humidity: (%)	45~49	ATM Pressure: (kPa)	101.2~101.4
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Power Splitter	1515	RA914	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	143458	2023/3/31	2024/3/30
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2023/9/29	2024/9/28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A

\* Statement of Traceability: China Certification ICT Co., Ltd (Dongguan) attests that all calibrations have been performed, traceable to National Primary Standards and International System of Units (SI).

**Test Frequency for Each Mode:**

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	1710.7	1732.5	1754.3
3MHz	1711.5	1732.5	1753.5
5MHz	1712.5	1732.5	1752.5
10MHz	1715	1732.5	1750
15MHz	1717.5	1732.5	1747.5
20MHz	1720	1732.5	1745

**Test Data:**

<b>RF Output Power</b>						
Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	22.01	22.01	21.92	15.75	30
	RB1#3	22.08	22.03	21.89		
	RB1#5	22.06	22.06	21.91		
	RB3#0	<b>22.15</b>	22.09	22.03		
	RB3#3	22.14	22.09	22.04		
	RB6#0	21.19	21.06	20.99		
1.4MHz 16QAM	RB1#0	<b>21.29</b>	21.05	21.04	14.89	30
	RB1#3	21.28	21.07	21.08		
	RB1#5	21.28	21.1	21.03		
	RB3#0	21.11	21.11	21.12		
	RB3#3	21.11	21.09	21.13		
	RB6#0	20.18	19.94	19.98		
1.4MHz 64QAM	RB1#0	20.79	21.25	20.95	14.85	30
	RB1#3	20.6	21.06	21.09		
	RB1#5	20.58	20.71	20.82		
	RB3#0	20.52	20.88	21.07		
	RB3#3	20.51	20.98	21.02		
	RB6#0	20.4	20.36	20.67		
3MHz QPSK	RB1#0	21.97	<b>22.08</b>	22.04	15.68	30
	RB1#8	21.93	22.03	22.03		
	RB1#14	21.95	22.05	22.05		
	RB6#0	21.13	21.08	21		
	RB6#9	21.11	21.05	21.01		
	RB15#0	21.11	21.08	20.97		
3MHz 16QAM	RB1#0	21.32	21.16	21.48	15.09	30
	RB1#8	21.17	21.09	<b>21.49</b>		
	RB1#14	21.18	21.14	21.48		
	RB6#0	20.22	19.99	20.07		
	RB6#9	20.12	19.98	20.04		
	RB15#0	20	20.05	20.07		
3MHz 64QAM	RB1#0	20.87	20.96	21.29	14.89	30
	RB1#8	20.72	21.1	20.75		
	RB1#14	20.7	20.87	21.06		
	RB6#0	20.6	21.03	20.68		
	RB6#9	20.43	20.63	20.5		
	RB15#0	20.26	20.42	20.82		

5MHz QPSK	RB1#0	22.32	22.17	22.07	15.93	30
	RB1#13	22.27	22.1	22.03		
	RB1#24	<b>22.33</b>	22.16	22.11		
	RB15#0	21.12	21.08	21		
	RB15#10	21.09	21.06	20.93		
	RB25#0	21.07	21.06	20.99		
5MHz 16QAM	RB1#0	21.05	<b>21.44</b>	21.05	15.04	30
	RB1#13	20.97	21.38	20.99		
	RB1#24	21.06	21.42	21.08		
	RB15#0	20.15	20.06	20.02		
	RB15#10	20.13	20.03	19.93		
	RB25#0	20.16	20.05	19.93		
5MHz 64QAM	RB1#0	20.08	20.59	20.48	14.19	30
	RB1#13	20.01	20.48	20.3		
	RB1#24	19.92	20.14	20.06		
	RB15#0	19.86	20.23	20.14		
	RB15#10	19.73	19.74	19.93		
	RB25#0	19.55	19.52	20.11		
10MHz QPSK	RB1#0	22.13	22.12	<b>22.31</b>	15.91	30
	RB1#25	22.12	22.09	22		
	RB1#49	22.15	22.11	22.12		
	RB25#0	21.06	21.08	21.06		
	RB25#25	21.09	21.08	21.02		
	RB50#0	21.11	21.09	21		
10MHz 16QAM	RB1#0	<b>21.67</b>	21.29	21.64	15.27	30
	RB1#25	21.6	21.26	21.52		
	RB1#49	21.66	21.3	21.57		
	RB25#0	20.12	20.09	20.05		
	RB25#25	20.18	20.07	20.06		
	RB50#0	20.1	20.13	19.99		
10MHz 64QAM	RB1#0	19.93	20.09	20.12	13.91	30
	RB1#25	19.90	20.31	20.02		
	RB1#49	19.88	20.25	19.96		
	RB25#0	19.81	20.17	20.02		
	RB25#25	19.61	19.73	19.76		
	RB50#0	19.52	19.59	19.76		
15MHz QPSK	RB1#0	<b>22.17</b>	22.14	22.07	15.77	30
	RB1#38	22.03	22.09	21.96		
	RB1#74	22.04	22.13	22		
	RB36#0	21.1	21.05	21.12		
	RB36#39	21.1	21.12	21.05		
	RB75#0	21.15	21.11	21.09		

15MHz 16QAM	RB1#0	<b>21.69</b>	21.31	21.54	15.29	30
	RB1#38	21.61	21.25	21.42		
	RB1#74	<b>21.69</b>	21.3	21.46		
	RB36#0	20.11	20.09	20.08		
	RB36#39	20.16	20.1	19.98		
	RB75#0	20.13	20.1	20.01		
15MHz 64QAM	RB1#0	20.82	20.83	20.94	14.67	30
	RB1#38	20.72	20.88	20.85		
	RB1#74	20.59	20.75	21.07		
	RB36#0	20.47	20.71	21.02		
	RB36#39	20.45	20.41	20.57		
	RB75#0	20.42	20.86	20.92		
20MHz QPSK	RB1#0	22.14	22.22	22.16	15.83	30
	RB1#50	22.06	22.12	22.05		
	RB1#99	22.19	<b>22.23</b>	22.12		
	RB50#0	21.15	21.13	21.09		
	RB50#50	21.17	21.18	21.11		
	RB100#0	21.15	21.18	21.07		
20MHz 16QAM	RB1#0	21.51	21.4	<b>21.81</b>	15.41	30
	RB1#50	21.38	21.35	21.71		
	RB1#99	21.55	21.43	21.8		
	RB50#0	20.09	20.1	20.04		
	RB50#50	20.09	20.1	20.03		
	RB100#0	20.12	20.11	20		
20MHz 64QAM	RB1#0	20.71	20.87	21.15	14.75	30
	RB1#50	20.7	20.7	21.04		
	RB1#99	20.66	20.71	21.15		
	RB50#0	20.55	20.94	21.13		
	RB50#50	20.54	20.85	20.76		
	RB100#0	20.49	20.71	20.59		

Note: EIRP=Conducted Power(dBm) - Lc(dB) + Gr(dBi)

**Result:**

**Pass**

### Peak-to-average Ratio(PAR)

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	4.06	4.23	4.75	13
	RB100#0	4.17	4.23	4.2	13
20MHz 16QAM	RB1#0	4.96	4.96	5.62	13
	RB100#0	5.88	5.94	5.91	13
<b>Result:</b>					<b>Pass</b>



<b>Occupied Bandwidth</b>						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
1.4MHz QPSK	1.102	1.108	1.102	1.314	1.29	1.296
1.4MHz 16QAM	1.096	1.096	1.102	1.29	1.302	1.326
1.4MHz 64QAM	/	1.098	/	/	1.329	/
3MHz QPSK	2.695	2.695	2.695	2.916	2.904	2.904
3MHz 16QAM	2.683	2.683	2.683	2.916	2.916	2.928
3MHz 64QAM	/	2.683	/	/	2.926	/
5MHz QPSK	4.511	4.491	4.511	4.98	5.08	4.98
5MHz 16QAM	4.531	4.531	4.491	4.96	5	4.92
5MHz 64QAM	/	4.486	/	/	4.978	/
10MHz QPSK	8.942	8.942	8.942	9.72	9.64	9.68
10MHz 16QAM	8.942	8.942	8.942	9.56	9.72	9.68
10MHz 64QAM	/	8.944	/	/	9.638	/
15MHz QPSK	13.473	13.473	13.473	14.76	14.88	14.88
15MHz 16QAM	13.473	13.533	13.473	14.82	14.88	14.82
15MHz 64QAM	/	13.502	/	/	15.34	/
20MHz QPSK	17.964	17.964	17.964	19.28	19.36	19.6
20MHz 16QAM	17.964	17.964	17.964	19.36	19.36	19.6
20MHz 64QAM	/	17.887	/	/	19.392	/

Note:  
The test plots please refer to the Plots of Occupied Bandwidth 64QAM only test with middle channel.

<b>Spurious Emissions at Antenna Terminal</b>	
<b>Result:</b>	<b>Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.</b>

<b>Out of band emission, Band Edge</b>	
<b>Result:</b>	<b>Pass, Please refer to the test plots of Out of band emission, Band Edge.</b>

Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>DC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1711.028	1710.00	1754.007	1755
	-20	3.91	1711.029	1710.00	1754.019	1755
	-10	3.91	1711.095	1710.00	1754.027	1755
	0	3.91	1711.041	1710.00	1754.007	1755
	10	3.91	1711.033	1710.00	1754.040	1755
	20	3.91	1711.058	1710.00	1754.022	1755
	30	3.91	1711.094	1710.00	1754.082	1755
	40	3.91	1711.093	1710.00	1754.029	1755
	50	3.91	1711.002	1710.00	1754.053	1755
Frequency Stability vs. Voltage	20	3.45	1711.061	1710.00	1754.030	1755
	20	4.5	1711.055	1710.00	1754.085	1755
					<b>Result:</b>	<b>Pass</b>

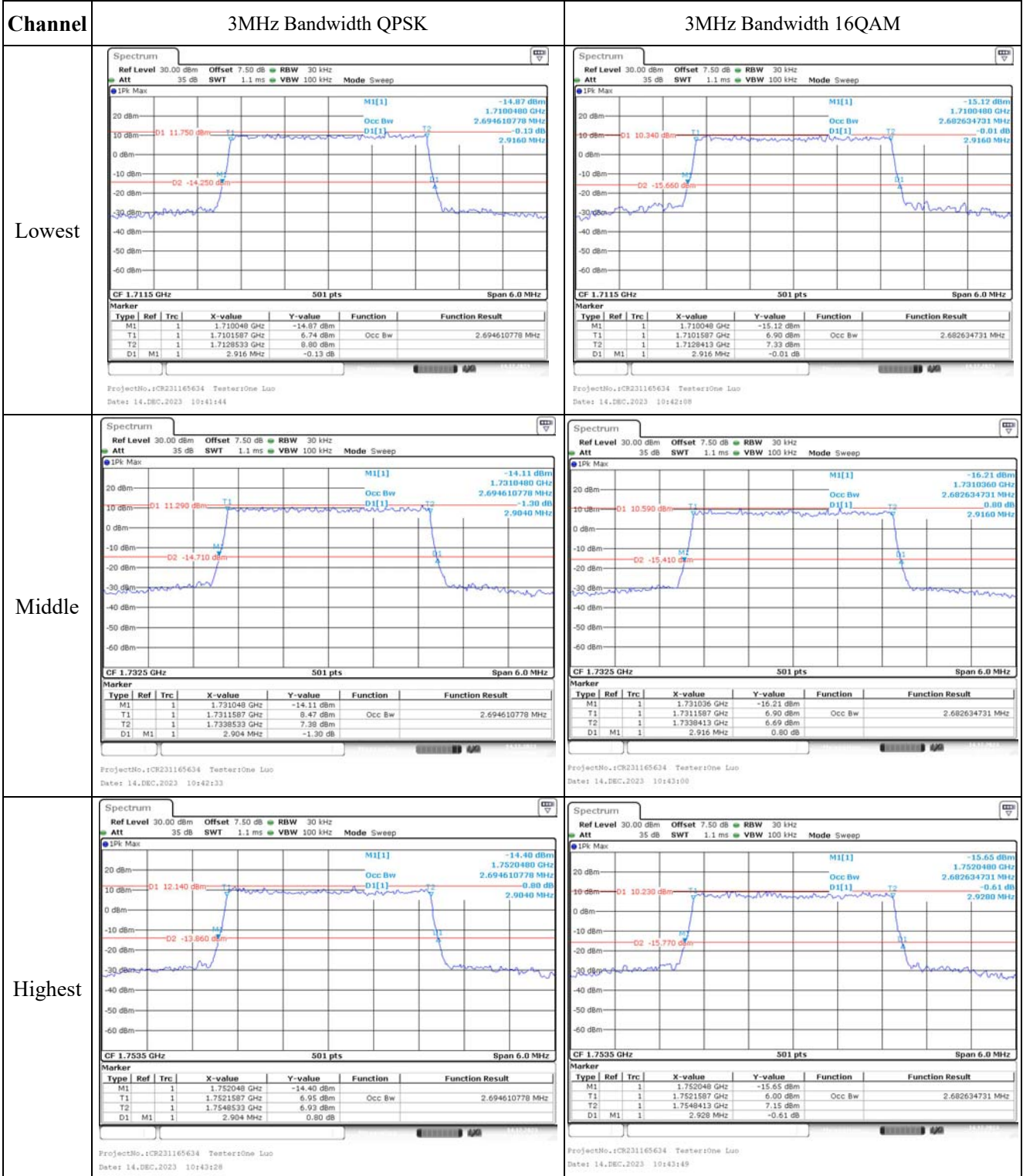
Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>DC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.91	1711.018	1710.00	1754.079	1755
	-20	3.91	1711.048	1710.00	1754.016	1755
	-10	3.91	1711.030	1710.00	1754.017	1755
	0	3.91	1711.066	1710.00	1754.097	1755
	10	3.91	1711.061	1710.00	1754.040	1755
	20	3.91	1711.058	1710.00	1754.022	1755
	30	3.91	1711.015	1710.00	1754.048	1755
	40	3.91	1711.064	1710.00	1754.023	1755
	50	3.91	1711.060	1710.00	1754.097	1755
Frequency Stability vs. Voltage	20	3.45	1711.010	1710.00	1754.013	1755
	20	4.5	1711.018	1710.00	1754.029	1755
					<b>Result:</b>	<b>Pass</b>

**Test Plots**(Note: The 7.5 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

**Occupied Bandwidth**

Channel	1.4MHz Bandwidth QPSK	1.4MHz Bandwidth 16QAM																																																																						
Lowest	<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>1.710052 GHz</td> <td>-11.66 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>1.71015509 GHz</td> <td>8.19 dBm</td> <td>Occ Bw</td> <td>1.101796407 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>1.71125689 GHz</td> <td>6.76 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>1.314 MHz</td> <td>0.04 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.710052 GHz	-11.66 dBm			T1	1		1.71015509 GHz	8.19 dBm	Occ Bw	1.101796407 MHz	T2	1		1.71125689 GHz	6.76 dBm			D1	M1	1	1.314 MHz	0.04 dB			<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>1.710058 GHz</td> <td>-12.59 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>1.71015509 GHz</td> <td>8.36 dBm</td> <td>Occ Bw</td> <td>1.095808383 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>1.71125689 GHz</td> <td>6.17 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>1.29 MHz</td> <td>-0.30 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.710058 GHz	-12.59 dBm			T1	1		1.71015509 GHz	8.36 dBm	Occ Bw	1.095808383 MHz	T2	1		1.71125689 GHz	6.17 dBm			D1	M1	1	1.29 MHz	-0.30 dB		
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Occupied Bandwidth



### Occupied Bandwidth

Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 10:45:37</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 10:46:12</p>
Middle	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 10:46:50</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 10:47:24</p>
Highest	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 10:47:53</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 14.DEC.2023 10:48:22</p>

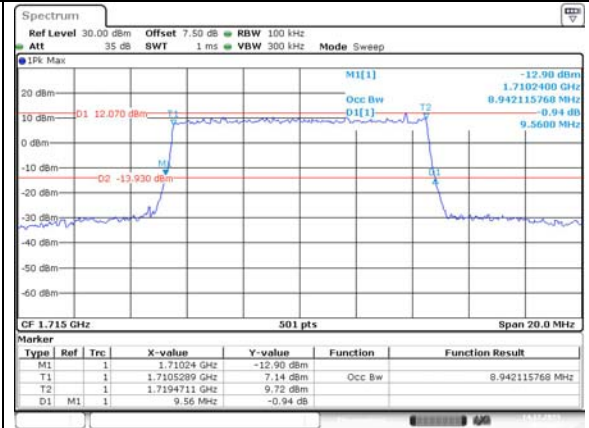
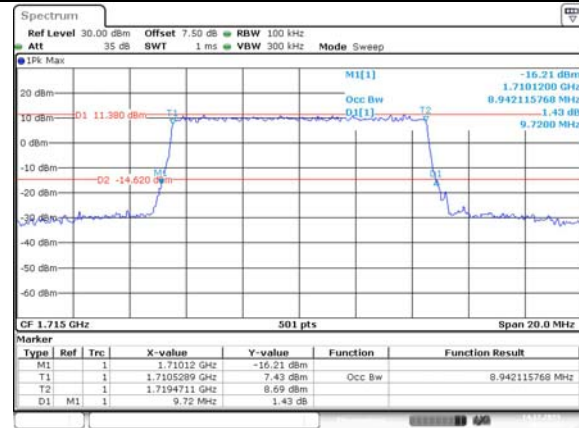
Occupied Bandwidth

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

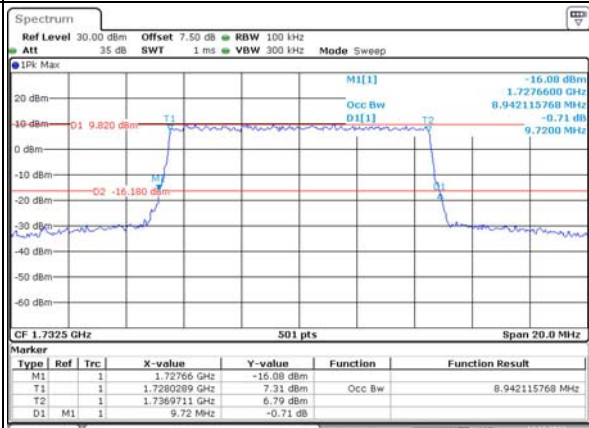
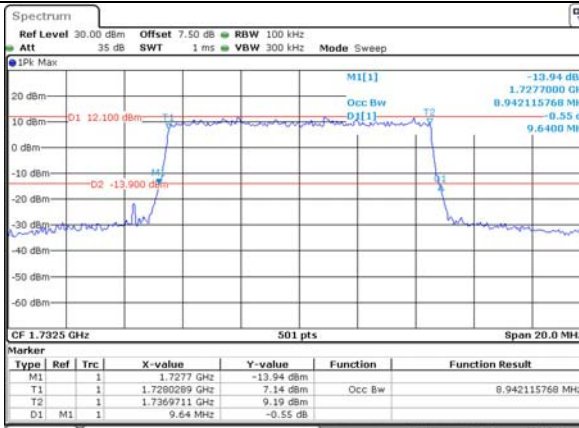
Lowest



ProjectNo.:CR231165634 Testers:One Luo  
Date: 14.DEC.2023 10:50:00

ProjectNo.:CR231165634 Testers:One Luo  
Date: 14.DEC.2023 10:50:26

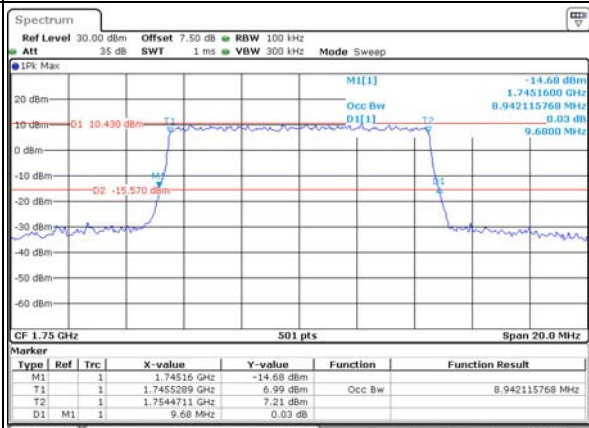
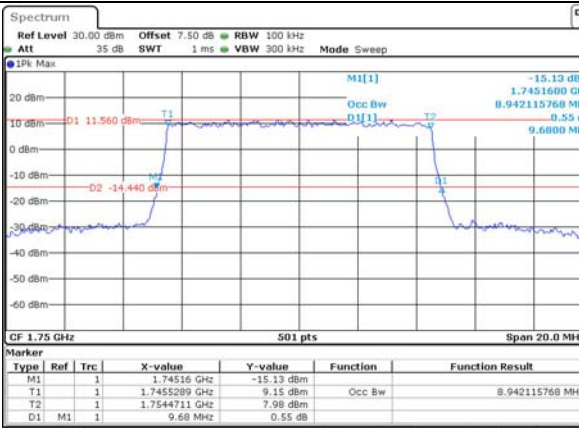
Middle



ProjectNo.:CR231165634 Testers:One Luo  
Date: 14.DEC.2023 10:51:03

ProjectNo.:CR231165634 Testers:One Luo  
Date: 14.DEC.2023 10:51:36

Highest



ProjectNo.:CR231165634 Testers:One Luo  
Date: 14.DEC.2023 10:52:18

ProjectNo.:CR231165634 Testers:One Luo  
Date: 14.DEC.2023 10:52:51

Occupied Bandwidth

Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM																																																																						
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Highest	<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>1.74006 GHz</td> <td>-12.06 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>1.7407934 GHz</td> <td>10.48 dBm</td> <td>Occ Bw</td> <td>13.473053892 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>1.7542665 GHz</td> <td>9.80 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>14.88 MHz</td> <td>1.02 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.74006 GHz	-12.06 dBm			T1	1		1.7407934 GHz	10.48 dBm	Occ Bw	13.473053892 MHz	T2	1		1.7542665 GHz	9.80 dBm			D1	M1	1	14.88 MHz	1.02 dB			<table border="1"> <thead> <tr> <th>Type</th> <th>Ref</th> <th>Trc</th> <th>X-value</th> <th>Y-value</th> <th>Function</th> <th>Function Result</th> </tr> </thead> <tbody> <tr> <td>M1</td> <td>1</td> <td></td> <td>1.74012 GHz</td> <td>-13.45 dBm</td> <td></td> <td></td> </tr> <tr> <td>T1</td> <td>1</td> <td></td> <td>1.7407934 GHz</td> <td>10.00 dBm</td> <td>Occ Bw</td> <td>13.473053892 MHz</td> </tr> <tr> <td>T2</td> <td>1</td> <td></td> <td>1.7542665 GHz</td> <td>10.91 dBm</td> <td></td> <td></td> </tr> <tr> <td>D1</td> <td>M1</td> <td>1</td> <td>14.82 MHz</td> <td>0.27 dB</td> <td></td> <td></td> </tr> </tbody> </table>	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.74012 GHz	-13.45 dBm			T1	1		1.7407934 GHz	10.00 dBm	Occ Bw	13.473053892 MHz	T2	1		1.7542665 GHz	10.91 dBm			D1	M1	1	14.82 MHz	0.27 dB		
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### Occupied Bandwidth

Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM																																																																						
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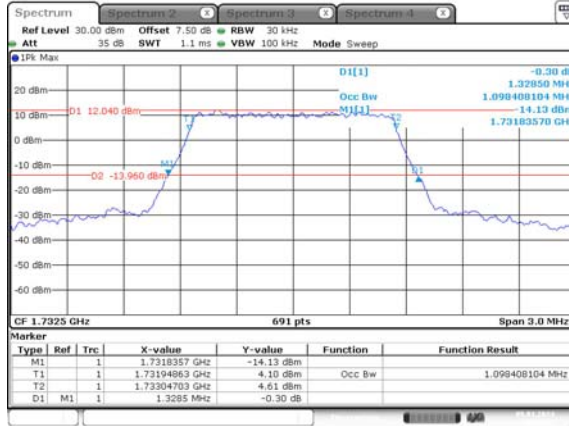


Occupied Bandwidth

Channel

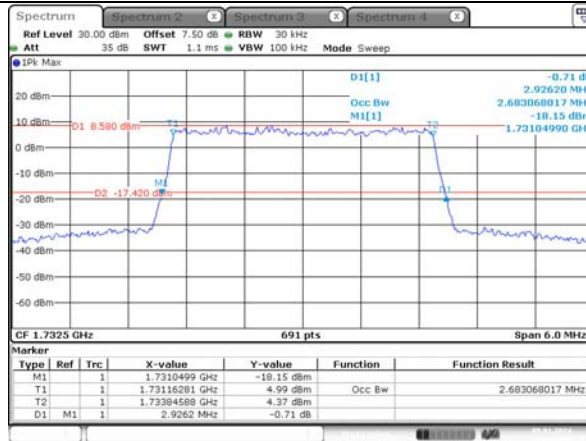
Middle

1.4MHz  
Bandwidth  
64QAM



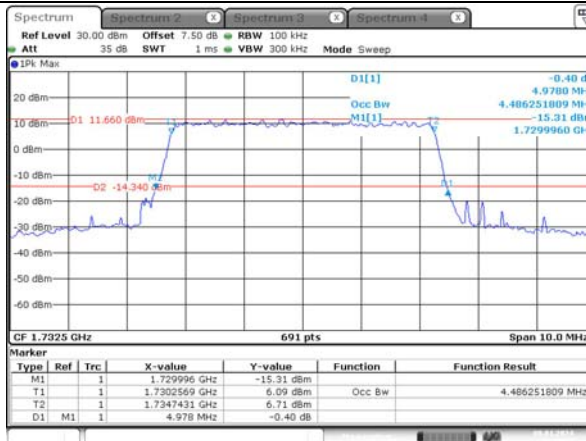
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Date: 8.JAN.2024 13:37:05

3MHz  
Bandwidth  
64QAM



ProjectNo.:CR231165634 Testers:One Luo  
Date: 8.JAN.2024 13:34:49

5MHz  
Bandwidth  
64QAM



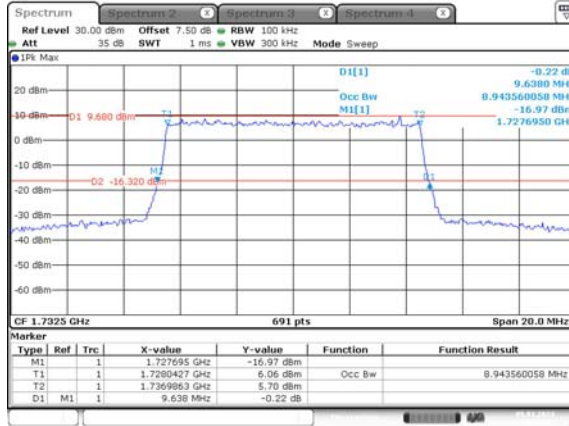
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Occupied Bandwidth

Channel

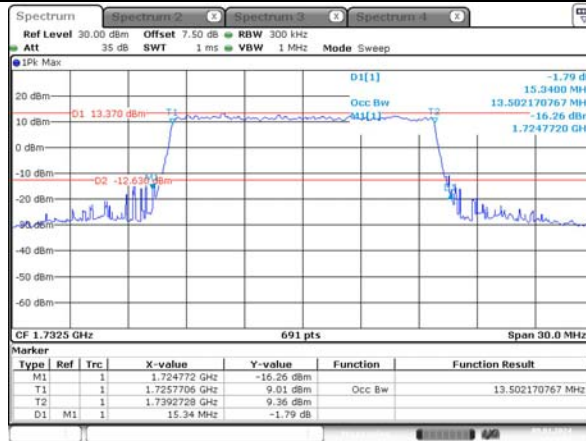
Middle

10MHz  
Bandwidth  
64QAM



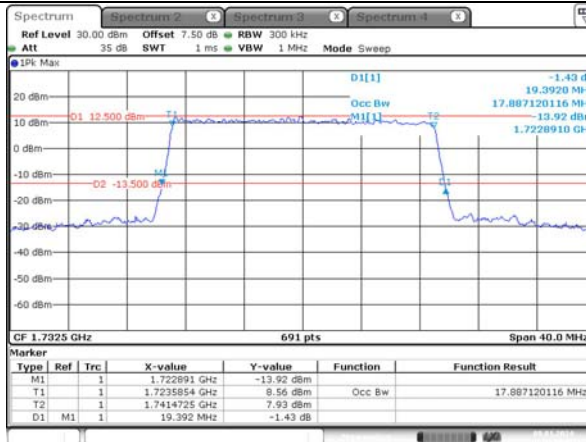
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Date: 8.JAN.2024 13:30:56

15MHz  
Bandwidth  
64QAM



ProjectNo.:CR231165634 Testers:One Luo  
Date: 8.JAN.2024 13:26:19

20MHz  
Bandwidth  
64QAM



ProjectNo.:CR231165634 Testers:One Luo  
Date: 8.JAN.2024 13:23:48

Note: The test was performed with RB 1#0.

Spurious Emissions at Antenna Terminal

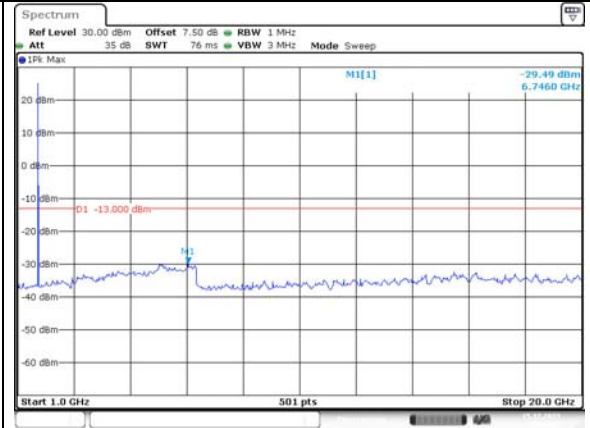
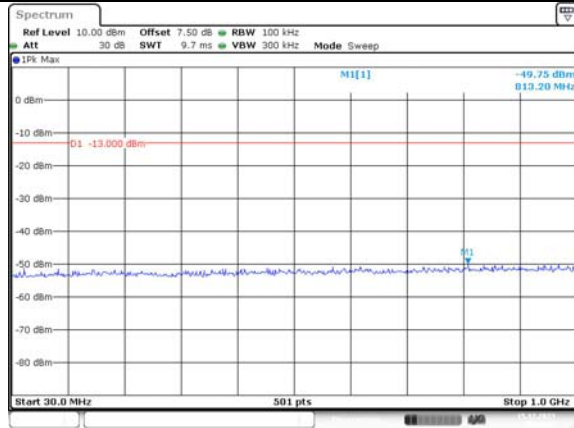
Channel	1.4MHz Bandwidth QPSK	
Lowest	<p>Ref Level 10.00 dBm Offset 7.50 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep IPk Max M1[1] -50.09 dBm 002.90 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:18:57</p>	<p>Ref Level 30.00 dBm Offset 7.50 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep IPk Max M1[1] -29.49 dBm 6.9330 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:19:19</p>
Middle	<p>Ref Level 10.00 dBm Offset 7.50 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep IPk Max M1[1] -49.51 dBm 026.70 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:19:54</p>	<p>Ref Level 30.00 dBm Offset 7.50 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep IPk Max M1[1] -29.71 dBm 5.8030 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:20:23</p>
Highest	<p>Ref Level 10.00 dBm Offset 7.50 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Sweep IPk Max M1[1] -49.67 dBm 813.20 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:21:05</p>	<p>Ref Level 30.00 dBm Offset 7.50 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Sweep IPk Max M1[1] -29.97 dBm 6.7830 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:21:28</p>

### Spurious Emissions at Antenna Terminal

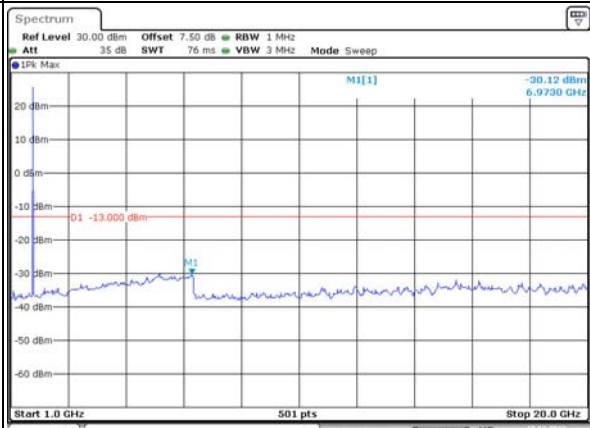
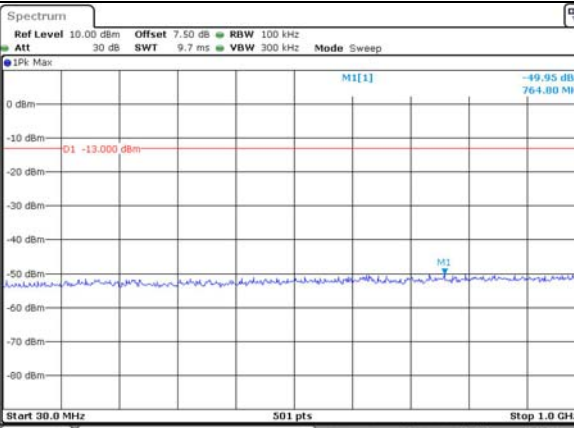
Channel

3MHz Bandwidth QPSK

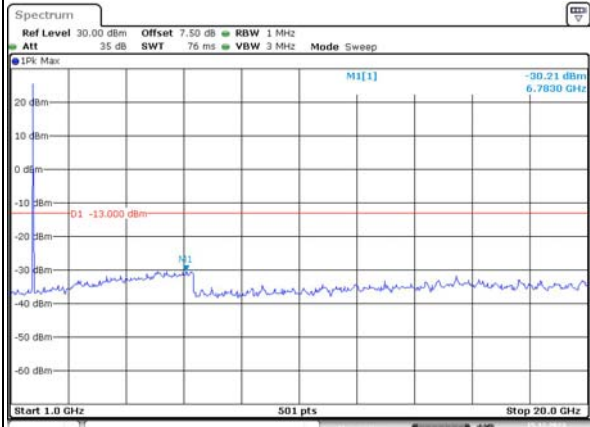
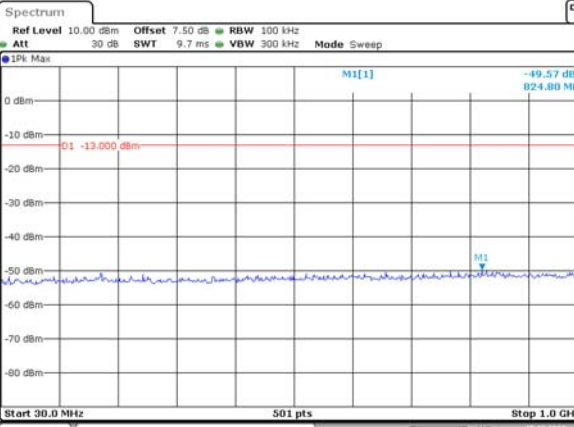
Lowest



Middle



Highest

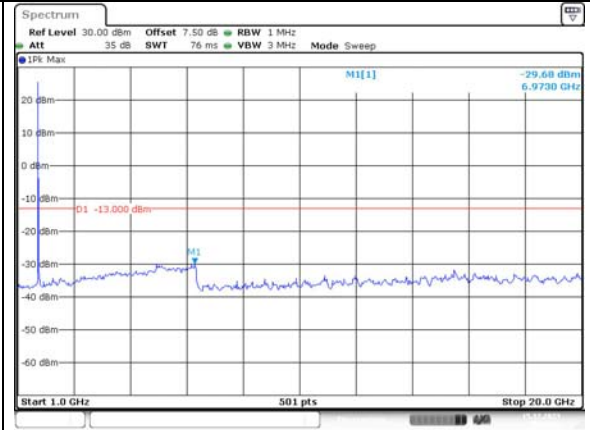
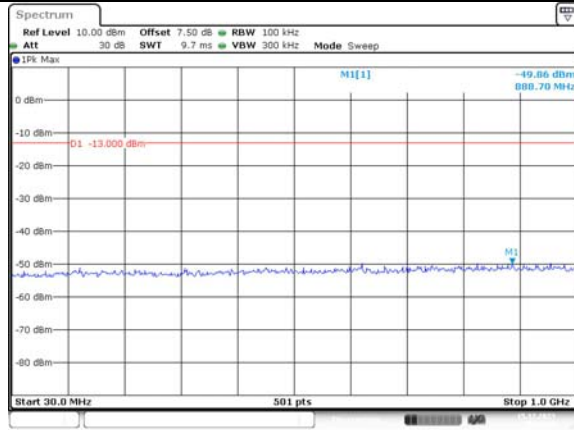


Spurious Emissions at Antenna Terminal

Channel

5MHz Bandwidth QPSK

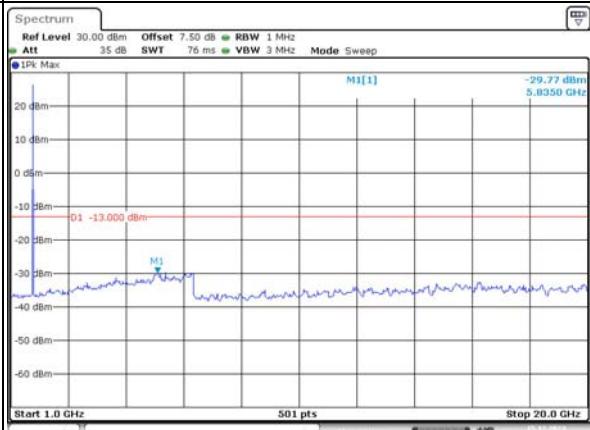
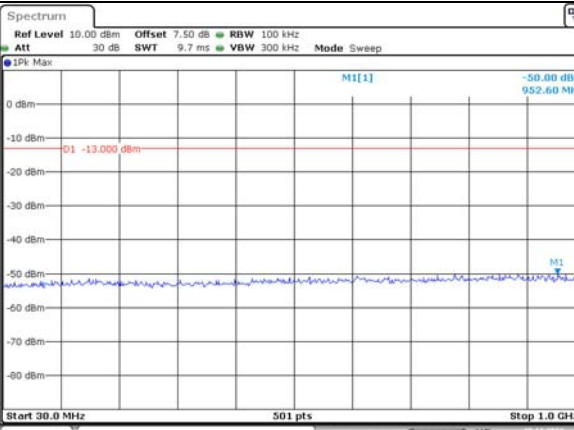
Lowest



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:28:55

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:29:20

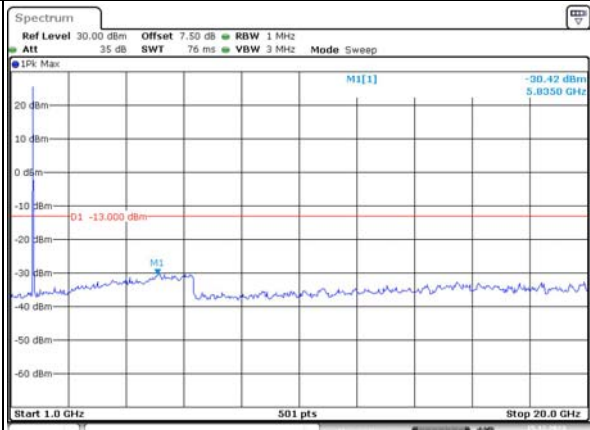
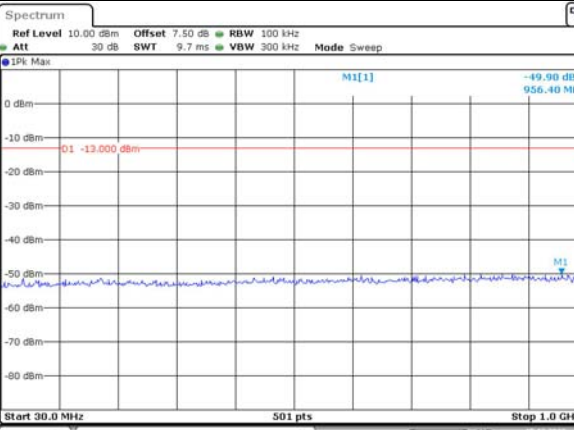
Middle



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:29:58

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:30:23

Highest



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15.DEC.2023 15:30:58

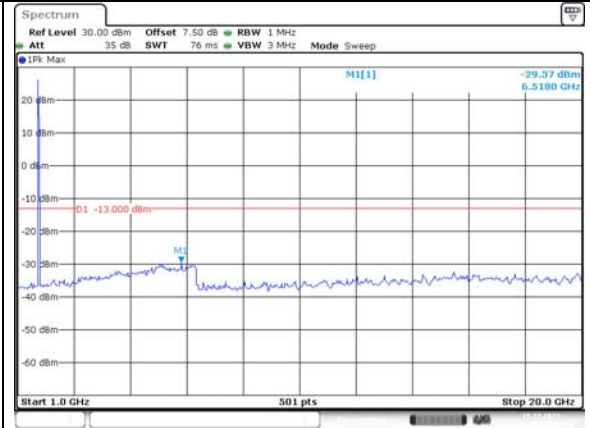
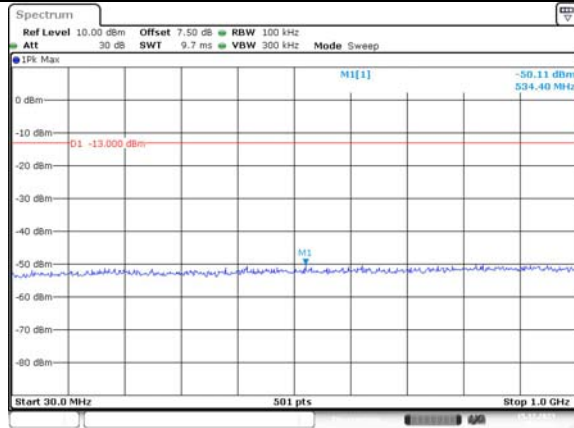
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Spurious Emissions at Antenna Terminal

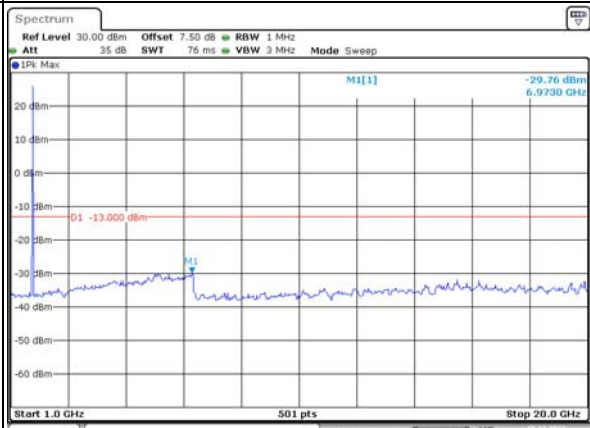
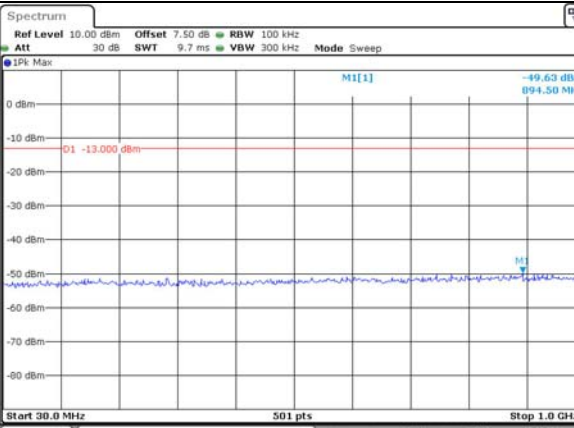
Channel

10MHz Bandwidth QPSK

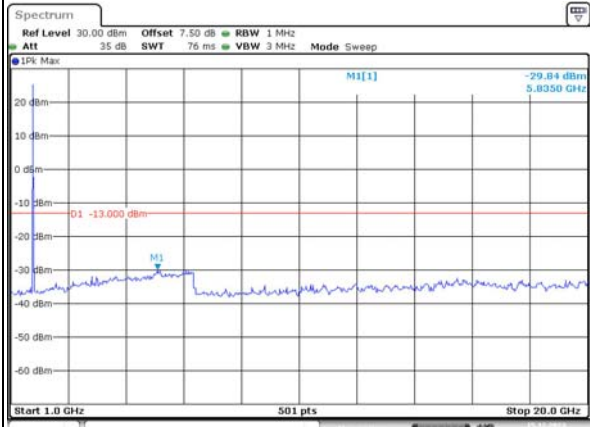
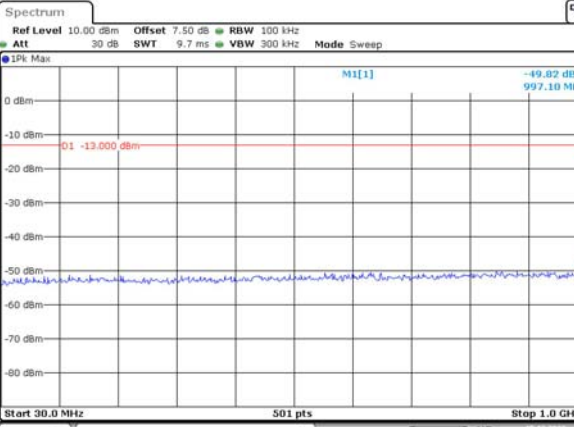
Lowest



Middle



Highest

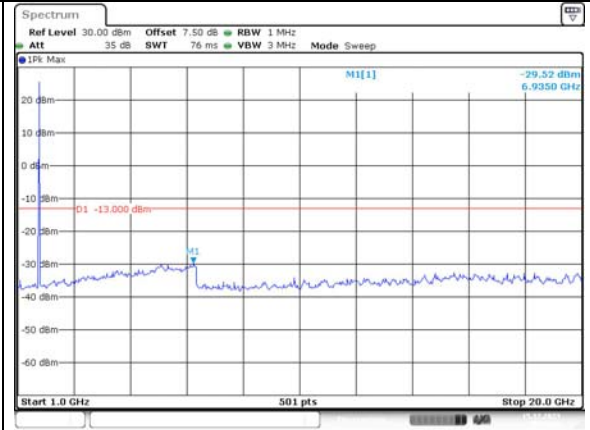
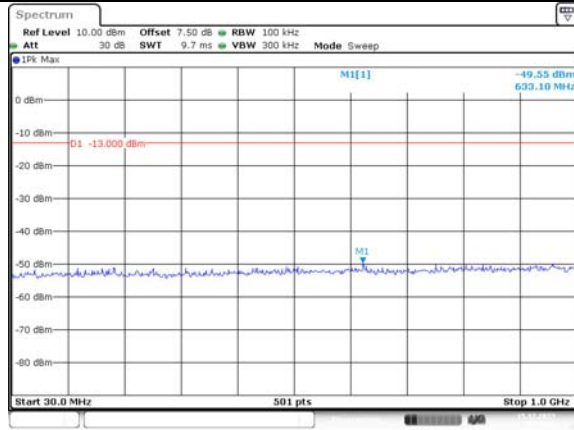


Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

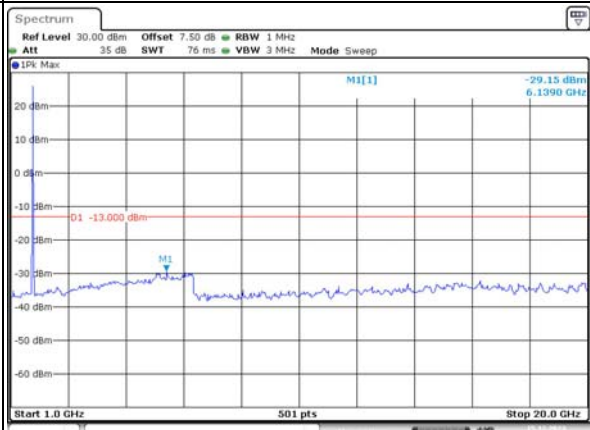
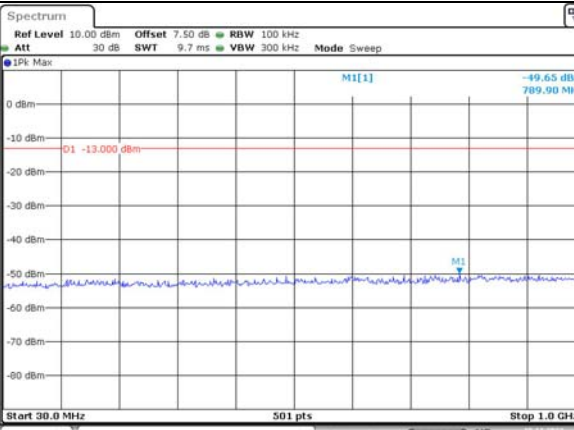
Lowest



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15. DEC. 2023 15:35:36

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15. DEC. 2023 15:35:59

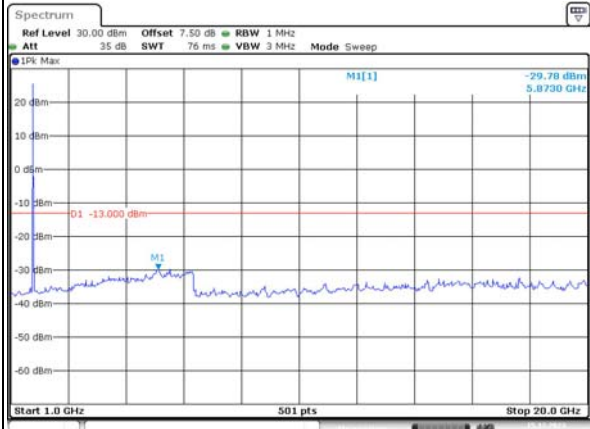
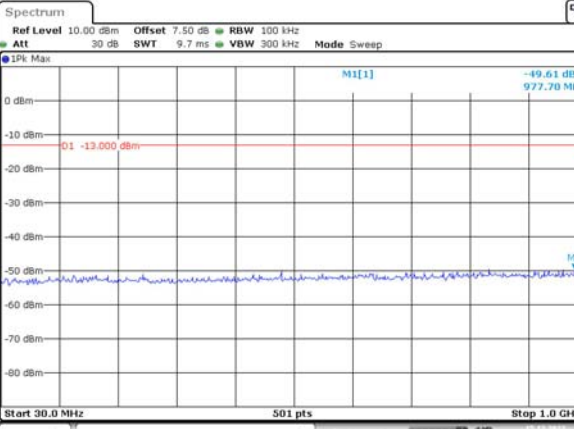
Middle



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15. DEC. 2023 15:36:28

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15. DEC. 2023 15:37:03

Highest



ProjectNo.:CR231165634 Tester:One Luo  
Date: 15. DEC. 2023 15:37:42

ProjectNo.:CR231165634 Tester:One Luo  
Date: 15. DEC. 2023 15:38:04

Spurious Emissions at Antenna Terminal

Channel	20MHz Bandwidth QPSK	
Lowest	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:39:03</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:39:25</p>
Middle	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:41:05</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:41:27</p>
Highest	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:42:02</p>	<p>ProjectNo.:CR231165634 Tester:One Luo Date: 15.DEC.2023 15:42:24</p>



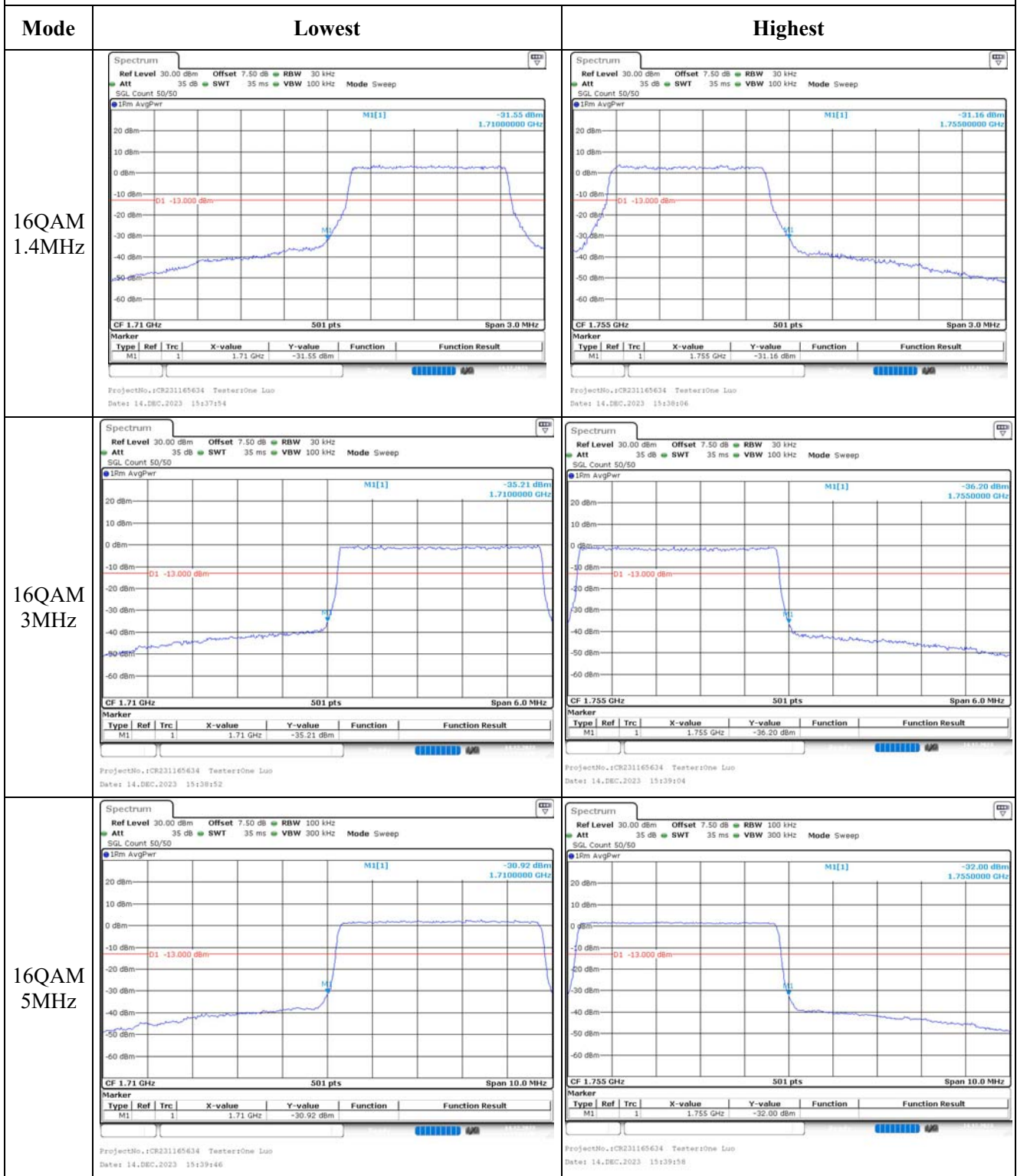
Out of band emission, Band Edge-Full RB

Mode	Lowest	Highest
QPSK 1.4MHz		
QPSK 3MHz		
QPSK 5MHz		

Out of band emission, Band Edge-Full RB

Mode	Lowest	Highest
QPSK 10MHz		
QPSK 15MHz		
QPSK 20MHz		

Out of band emission, Band Edge-Full RB



Out of band emission, Band Edge-Full RB

Mode	Lowest	Highest
16QAM 10MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 14.DEC.2023 15:40:47</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 14.DEC.2023 15:40:59</p>
16QAM 15MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 14.DEC.2023 15:41:44</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 14.DEC.2023 15:41:56</p>
16QAM 20MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 14.DEC.2023 15:42:50</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 14.DEC.2023 15:43:02</p>

Out of band emission, Band Edge-Minimum RB

Mode	Lowest-RB 1#0	Highest RB 1#Max
QPSK 1.4MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:50:52</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:27:14</p>
QPSK 3MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:52:56</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:28:53</p>
QPSK 5MHz	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 10:54:17</p>	<p>ProjectNo.:CR231165634 Testers:One Luo Date: 15.DEC.2023 11:30:10</p>

Out of band emission, Band Edge-Minimum RB

Mode	Lowest-RB 1#0	Highest RB 1#Max
QPSK 10MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:56:07</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:31:31</p>
QPSK 15MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:57:35</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:32:56</p>
QPSK 20MHz	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 10:59:10</p>	<p>ProjectNo.:CR231165634 TestersOne Luo Date: 15.DEC.2023 11:34:12</p>