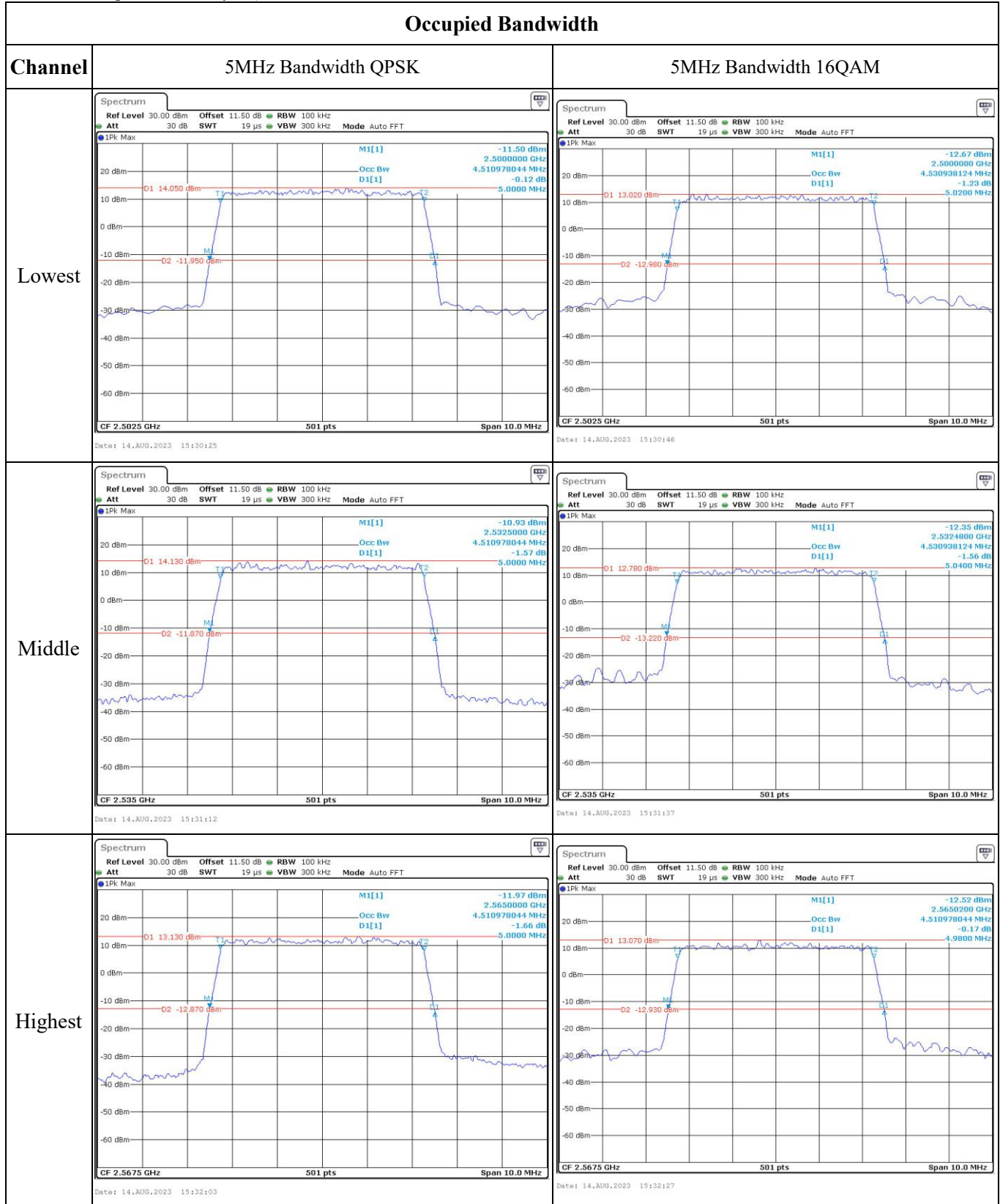


<b>FCC §2.1055, §27.54: Frequency Stability</b>						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V <sub>DC</sub> )	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2500.780	2500.00	2569.917	2570
	-20	3.85	2500.834	2500.00	2569.936	2570
	-10	3.85	2500.893	2500.00	2569.910	2570
	0	3.85	2500.412	2500.00	2569.914	2570
	10	3.85	2500.711	2500.00	2569.936	2570
	20	3.85	2500.349	2500.00	2569.972	2570
	30	3.85	2500.265	2500.00	2569.944	2570
	40	3.85	2500.492	2500.00	2569.987	2570
Frequency Stability vs. Voltage	20	3.35	2500.275	2500.00	2569.932	2570
	20	4.4	2500.689	2500.00	2569.979	2570
<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	3.85	2500.187	2500.00	2569.917	2570
	-20	3.85	2500.253	2500.00	2569.964	2570
	-10	3.85	2500.312	2500.00	2569.919	2570
	0	3.85	2500.212	2500.00	2569.907	2570
	10	3.85	2500.198	2500.00	2569.963	2570
	20	3.85	2500.300	2500.00	2569.963	2570
	30	3.85	2500.191	2500.00	2569.958	2570
	40	3.85	2500.313	2500.00	2569.952	2570
Frequency Stability vs. Voltage	20	3.35	2500.168	2500.00	2569.934	2570
	20	4.4	2500.292	2500.00	2569.907	2570
<b>Result:</b>					<b>Pass</b>	

**Test Plots**(Note: The 11.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):



### Occupied Bandwidth

Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest	<p>CF 2.505 GHz 501 pts Span 20.0 MHz</p> <p>Date: 14.AUG.2023 15:33:08</p>	<p>CF 2.505 GHz 501 pts Span 20.0 MHz</p> <p>Date: 14.AUG.2023 15:33:36</p>
Middle	<p>CF 2.535 GHz 501 pts Span 20.0 MHz</p> <p>Date: 14.AUG.2023 15:34:03</p>	<p>CF 2.535 GHz 501 pts Span 20.0 MHz</p> <p>Date: 14.AUG.2023 15:34:37</p>
Highest	<p>CF 2.565 GHz 501 pts Span 20.0 MHz</p> <p>Date: 14.AUG.2023 15:35:01</p>	<p>CF 2.565 GHz 501 pts Span 20.0 MHz</p> <p>Date: 14.AUG.2023 15:35:26</p>

### Occupied Bandwidth

Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	<p>CF 2.5075 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.AUG.2023 15:35:19</p>	<p>CF 2.5075 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.AUG.2023 15:36:24</p>
Middle	<p>CF 2.535 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.AUG.2023 15:36:57</p>	<p>CF 2.535 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.AUG.2023 15:37:28</p>
Highest	<p>CF 2.5625 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.AUG.2023 15:37:57</p>	<p>CF 2.5625 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.AUG.2023 15:38:21</p>

### Occupied Bandwidth

Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest	<p>Ref Level 30.00 dBm Offset 11.50 dB RBW 300 kHz Att 30 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -13.27 dBm Occ Bw 17.964071856 MHz D1[1] 0.86 dB D2 -13.020 dBm</p> <p>CF 2.51 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.AUG.2023 15:39:11</p>	<p>Ref Level 30.00 dBm Offset 11.50 dB RBW 300 kHz Att 30 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -14.92 dBm Occ Bw 17.964071856 MHz D1[1] 1.30 dB D2 -14.490 dBm</p> <p>CF 2.51 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.AUG.2023 15:39:43</p>
Middle	<p>Ref Level 30.00 dBm Offset 11.50 dB RBW 300 kHz Att 30 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -13.51 dBm Occ Bw 17.964071856 MHz D1[1] -0.11 dB D2 -13.510 dBm</p> <p>CF 2.535 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.AUG.2023 15:40:21</p>	<p>Ref Level 30.00 dBm Offset 11.50 dB RBW 300 kHz Att 30 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -13.08 dBm Occ Bw 17.964071856 MHz D1[1] -0.33 dB D2 -13.980 dBm</p> <p>CF 2.535 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.AUG.2023 15:40:50</p>
Highest	<p>Ref Level 30.00 dBm Offset 11.50 dB RBW 300 kHz Att 30 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -13.47 dBm Occ Bw 18.043912176 MHz D1[1] -0.34 dB D2 -13.930 dBm</p> <p>CF 2.56 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.AUG.2023 15:41:23</p>	<p>Ref Level 30.00 dBm Offset 11.50 dB RBW 300 kHz Att 30 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -15.66 dBm Occ Bw 18.043912176 MHz D1[1] 0.37 dB D2 -14.990 dBm</p> <p>CF 2.56 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.AUG.2023 15:41:54</p>



### Spurious Emissions at Antenna Terminal

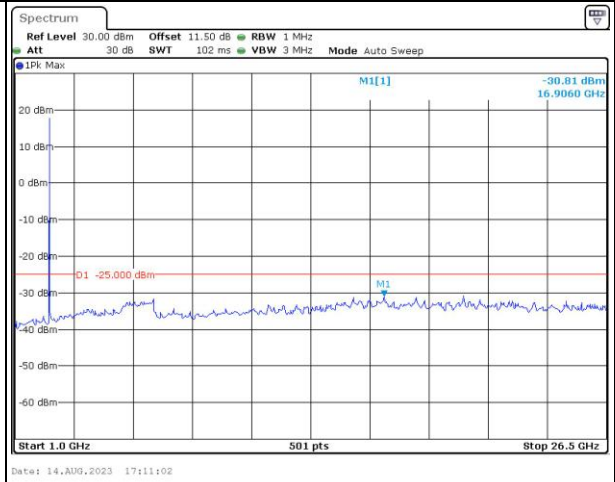
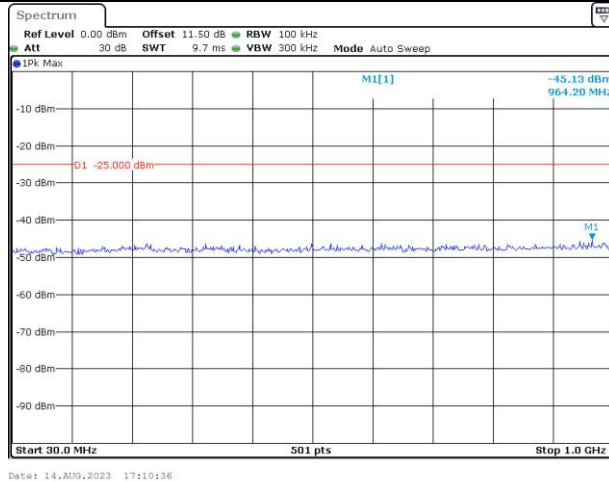
Channel	5MHz Bandwidth QPSK	
Lowest	<p><b>Spectrum</b>                      Ref Level 0.00 dBm Offset 11.50 dB RBW 100 kHz                      Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep                      IPk Max M1[1] -44.35 dBm 892.90 MHz                      -25.000 dBm                      Start 30.0 MHz 501 pts Stop 1.0 GHz                      Date: 14.AUG.2023 17:07:28</p>	<p><b>Spectrum</b>                      Ref Level 30.00 dBm Offset 11.50 dB RBW 1 MHz                      Att 30 dB SWT 102 ms VBW 3 MHz Mode Auto Sweep                      IPk Max M1[1] -30.43 dBm 15.5820 GHz                      -25.000 dBm                      Start 1.0 GHz 501 pts Stop 26.5 GHz                      Date: 14.AUG.2023 17:07:51</p>
Middle	<p><b>Spectrum</b>                      Ref Level 0.00 dBm Offset 11.50 dB RBW 100 kHz                      Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep                      IPk Max M1[1] -45.62 dBm 958.40 MHz                      -25.000 dBm                      Start 30.0 MHz 501 pts Stop 1.0 GHz                      Date: 14.AUG.2023 17:08:21</p>	<p><b>Spectrum</b>                      Ref Level 30.00 dBm Offset 11.50 dB RBW 1 MHz                      Att 30 dB SWT 102 ms VBW 3 MHz Mode Auto Sweep                      IPk Max M1[1] -31.27 dBm 20.4180 GHz                      -25.000 dBm                      Start 1.0 GHz 501 pts Stop 26.5 GHz                      Date: 14.AUG.2023 17:09:00</p>
Highest	<p><b>Spectrum</b>                      Ref Level 0.00 dBm Offset 11.50 dB RBW 100 kHz                      Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep                      IPk Max M1[1] -45.95 dBm 939.00 MHz                      -25.000 dBm                      Start 30.0 MHz 501 pts Stop 1.0 GHz                      Date: 14.AUG.2023 17:09:31</p>	<p><b>Spectrum</b>                      Ref Level 30.00 dBm Offset 11.50 dB RBW 1 MHz                      Att 30 dB SWT 102 ms VBW 3 MHz Mode Auto Sweep                      IPk Max M1[1] -30.46 dBm 15.5820 GHz                      -25.000 dBm                      Start 1.0 GHz 501 pts Stop 26.5 GHz                      Date: 14.AUG.2023 17:09:54</p>

### Spurious Emissions at Antenna Terminal

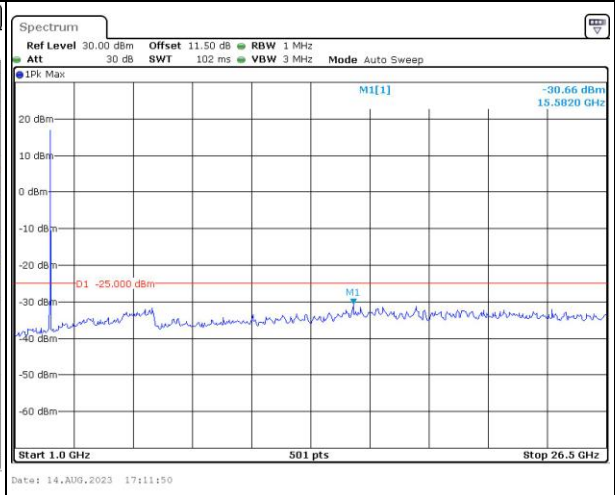
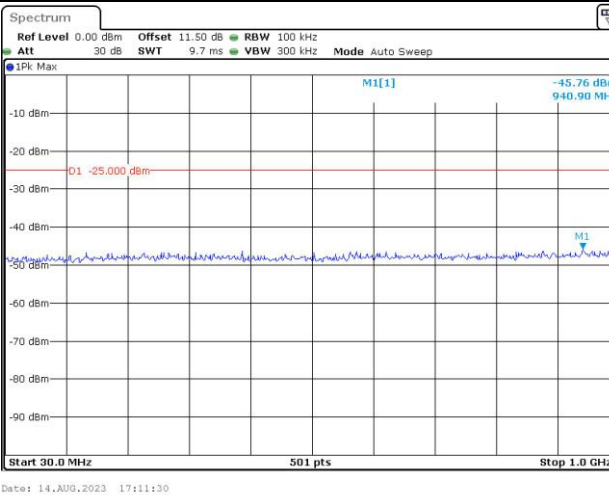
Channel

10MHz Bandwidth QPSK

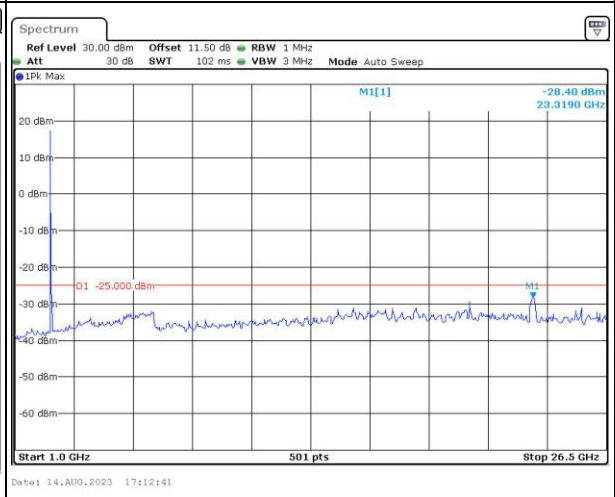
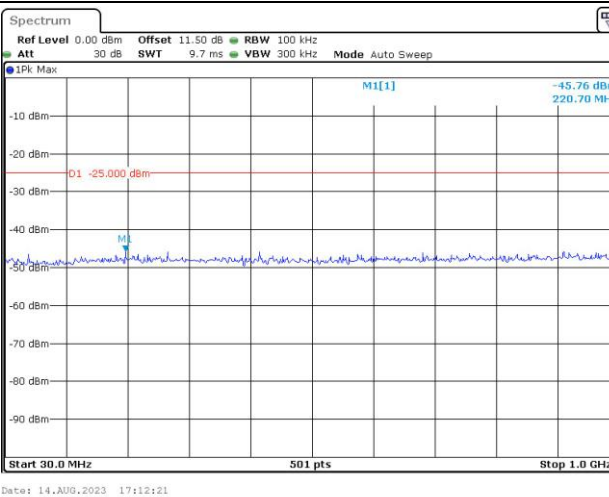
Lowest



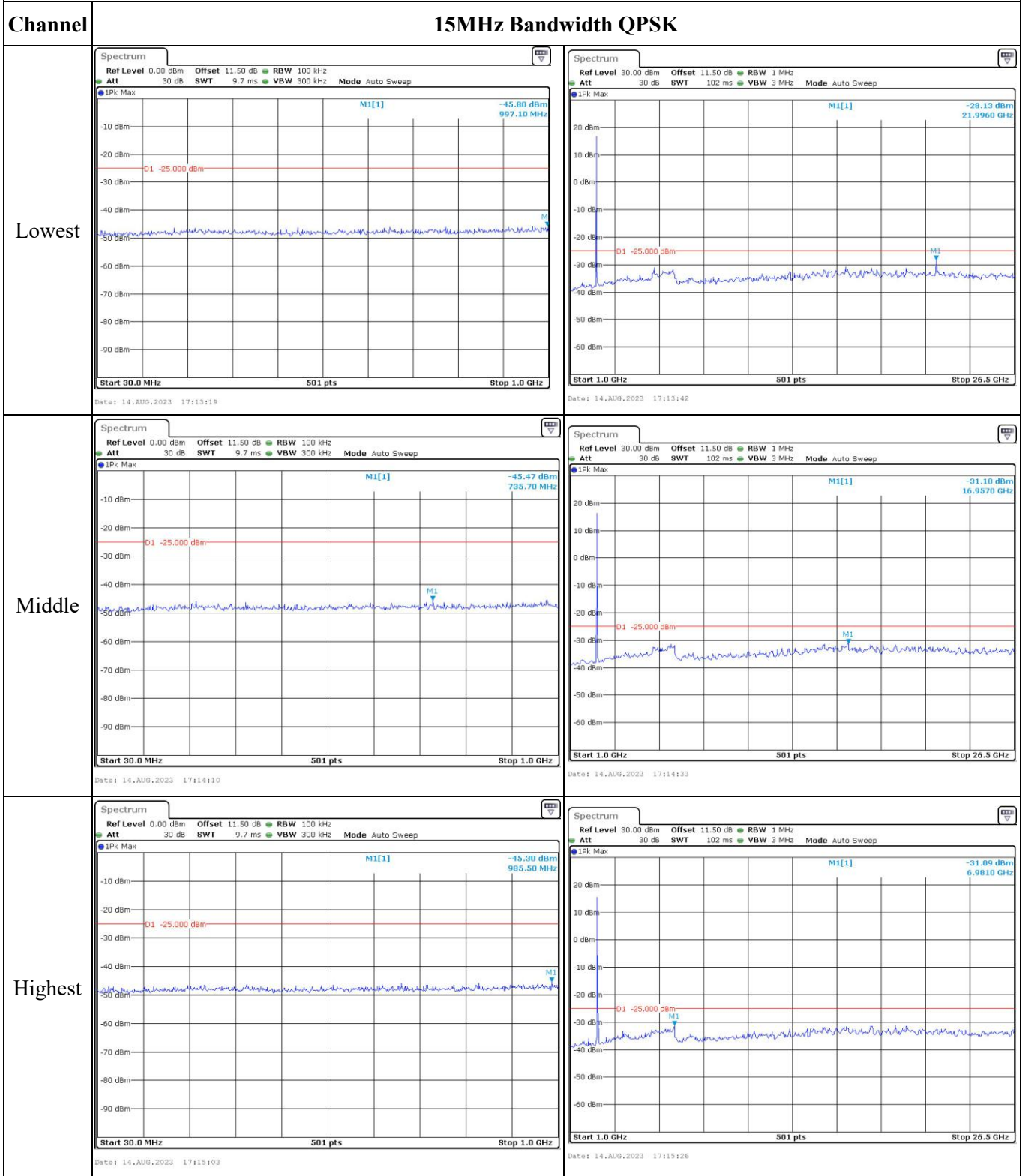
Middle



Highest



### Spurious Emissions at Antenna Terminal



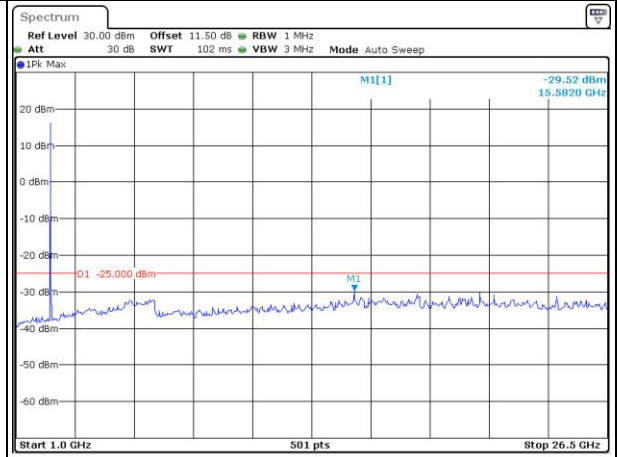
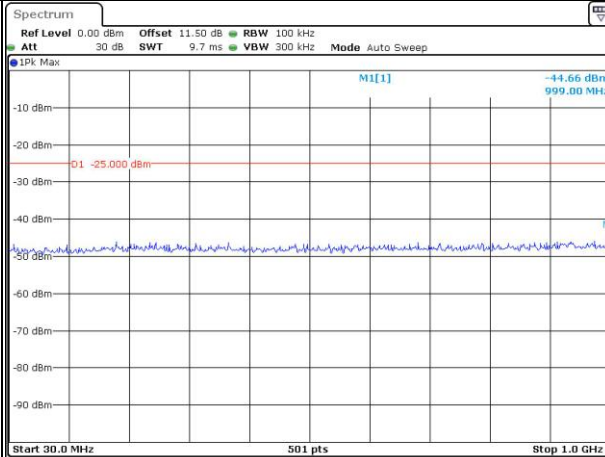


### Spurious Emissions at Antenna Terminal

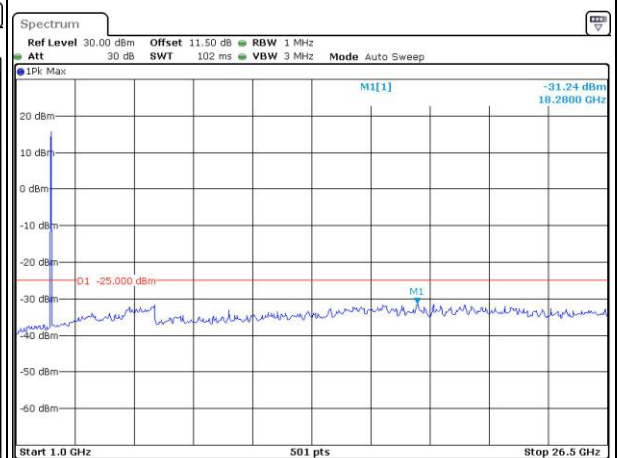
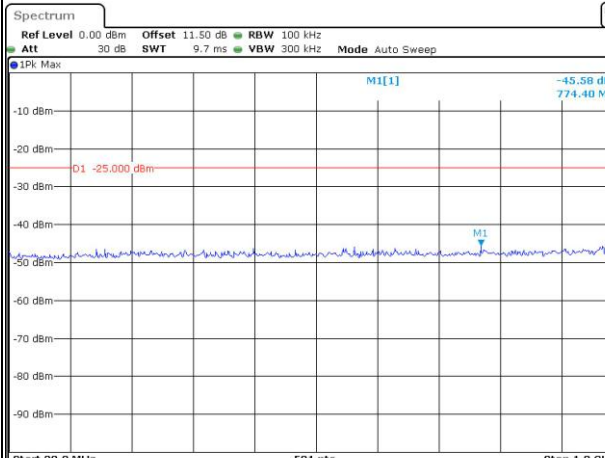
Channel

20MHz Bandwidth QPSK

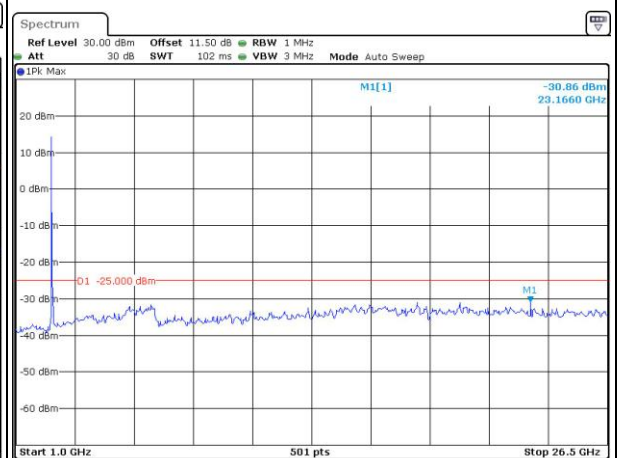
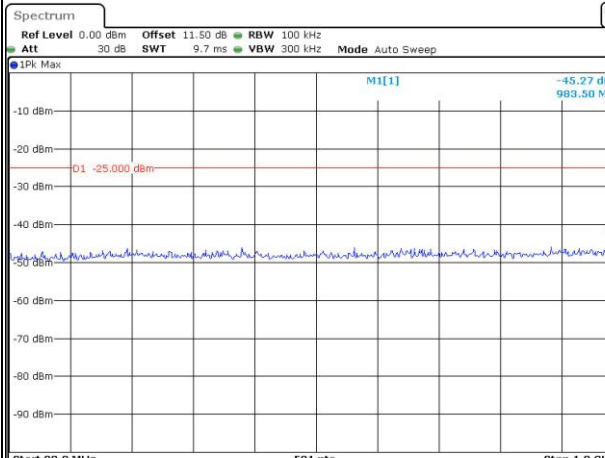
Lowest



Middle



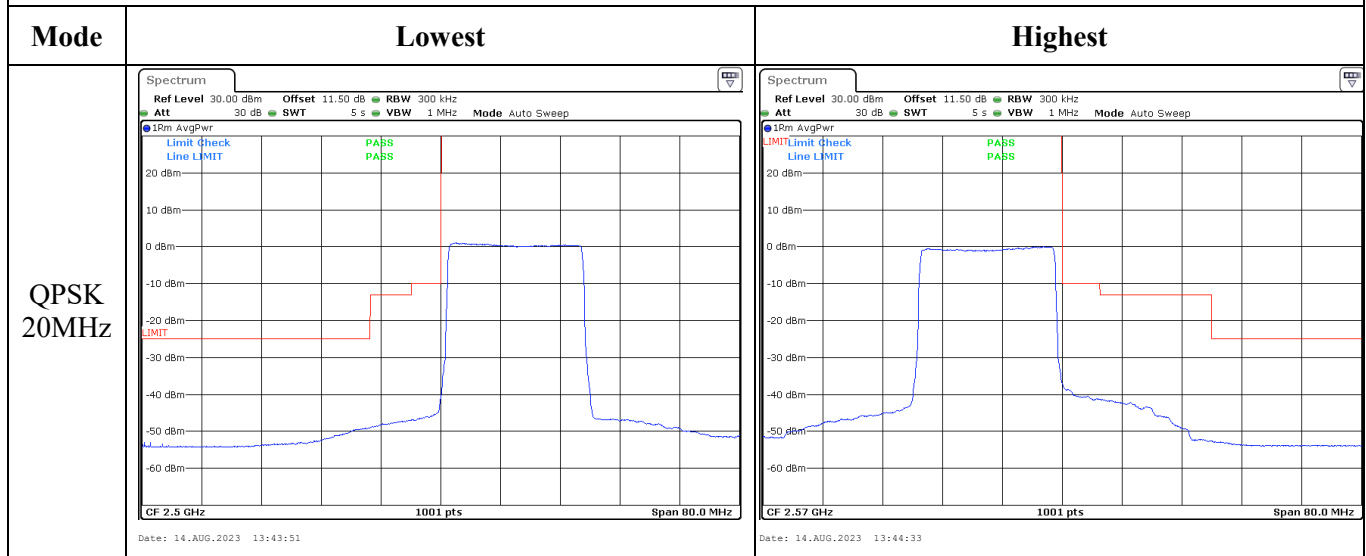
Highest



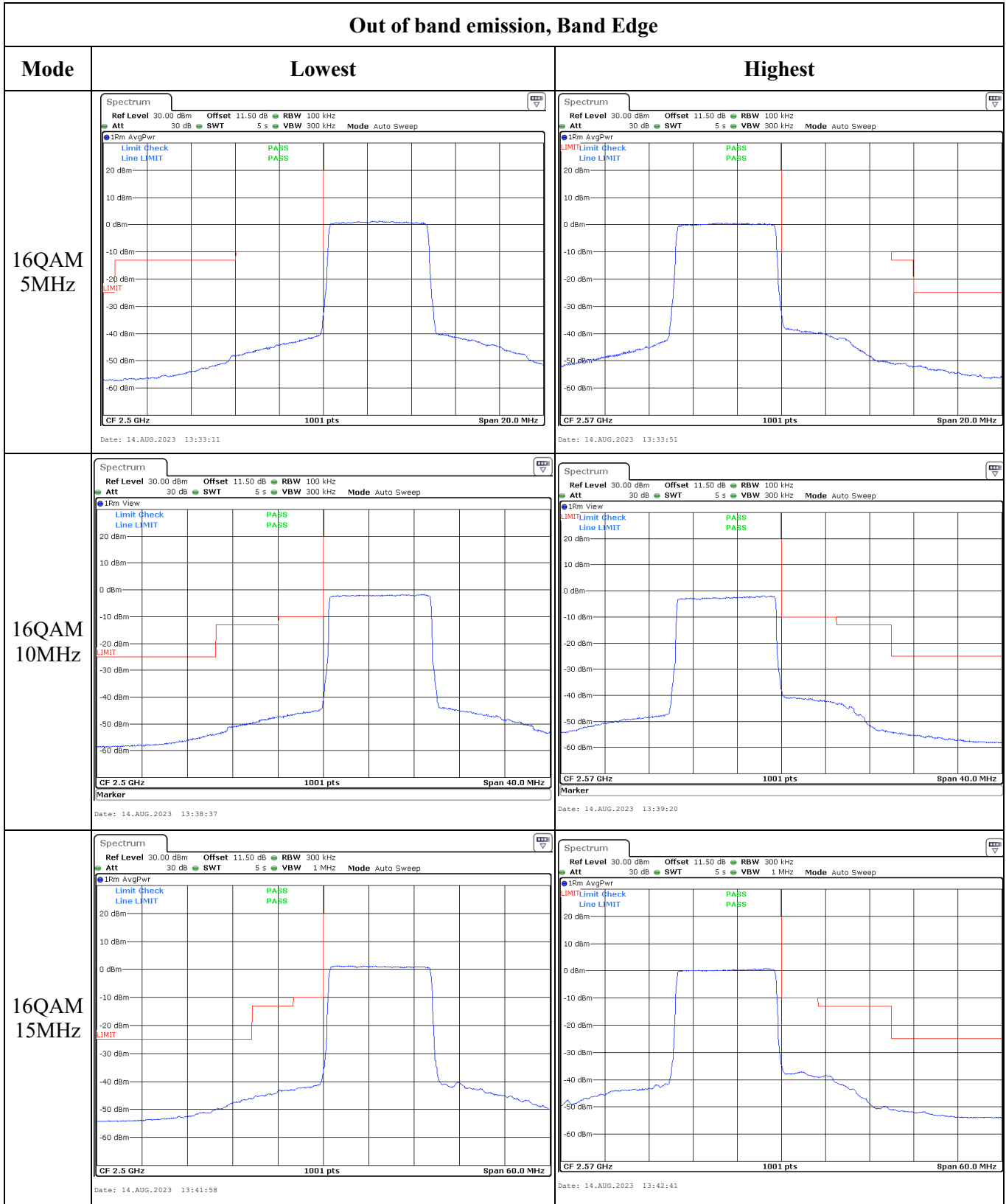
Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 5MHz		
QPSK 10MHz		
QPSK 15MHz		

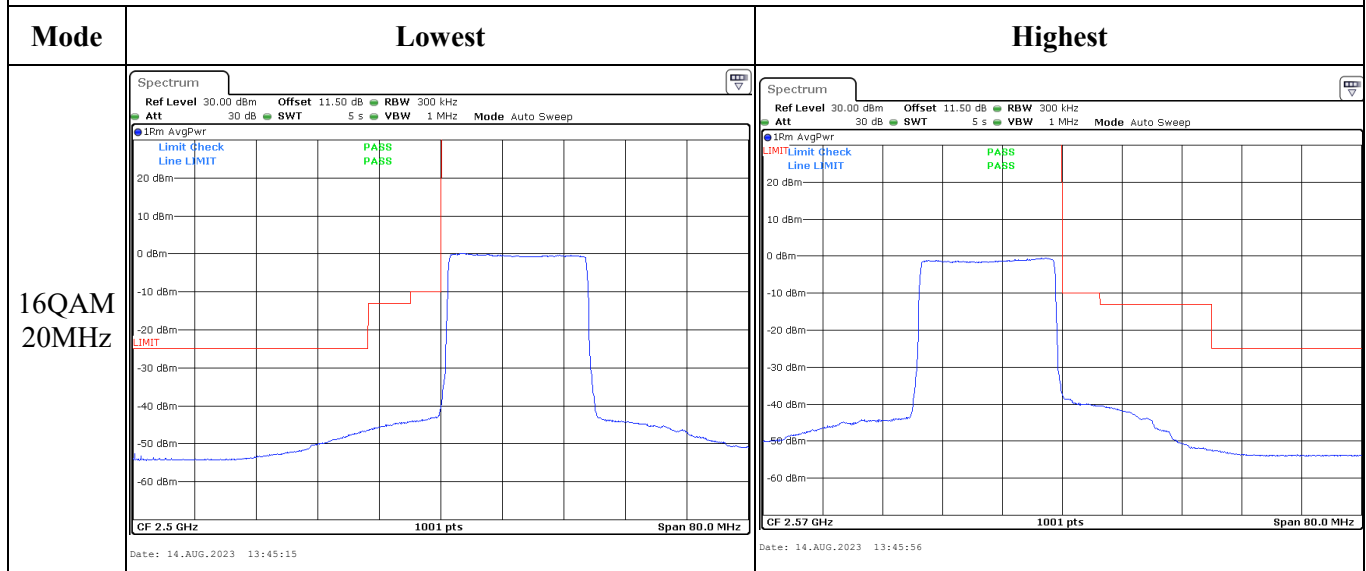
Out of band emission, Band Edge



Out of band emission, Band Edge



### Out of band emission, Band Edge





**4.10 Antenna Port Test Data and Results for LTE Band 12**

Serial Number:	2A4I-1	Test Date:	2023/8/13-2023/8/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Panda Sun	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	25.3~25.6	Relative Humidity: (%)	64-68	ATM Pressure: (kPa)	101
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40-N	102259	2023/4/18	2024/4/17
R&S	Wideband Radio Communication Tester	CMW500	143458	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
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2022/9/29	2023/9/28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	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	699.7	707.5	715.3
3MHz	700.5	707.5	714.5
5MHz	701.5	707.5	713.5
10MHz	704	707.5	711

**Test Data:****FCC§2.1046;§ 27.50(c) (10)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	23.02	23.32	23.27	15.20	34.77
	RB1#3	23.06	23.47	23.11		
	RB1#5	23.11	23.42	23.12		
	RB3#0	23.12	23.55	23.29		
	RB3#3	23.32	23.5	23.2		
	RB6#0	22.18	22.5	22.15		
1.4MHz 16QAM	RB1#0	22.75	22.07	22.63	14.46	34.77
	RB1#3	22.81	22.16	22.51		
	RB1#5	22.75	22.22	22.62		
	RB3#0	21.96	22.6	22.3		
	RB3#3	22	22.59	22.32		
	RB6#0	21.18	21.69	21.38		
3MHz QPSK	RB1#0	23	23.36	23.28	15.13	34.77
	RB1#8	23.08	23.48	23.29		
	RB1#14	23.11	23.46	23.19		
	RB6#0	22.16	22.32	22.27		
	RB6#9	22.2	22.48	22.18		
	RB15#0	22.18	22.42	22.16		
3MHz 16QAM	RB1#0	22.83	22.14	22.54	14.58	34.77
	RB1#8	22.82	22.13	22.5		
	RB1#14	22.93	22.14	22.45		
	RB6#0	21.23	21.58	21.2		
	RB6#9	21.32	21.7	21.19		
	RB15#0	21.17	21.51	21.29		
5MHz QPSK	RB1#0	23.09	23.52	23.37	15.17	34.77
	RB1#13	23.21	23.39	23.33		
	RB1#24	23.34	23.31	23.12		
	RB15#0	22.11	22.35	22.31		
	RB15#10	22.23	22.44	22.12		
	RB25#0	22.14	22.37	22.16		
5MHz 16QAM	RB1#0	22.14	21.93	21.39	14.04	34.77
	RB1#13	22.21	21.98	21.33		
	RB1#24	22.39	21.85	21.29		
	RB15#0	20.99	21.39	21.81		
	RB15#10	21.09	21.48	21.32		
	RB25#0	21.21	21.41	21.32		
10MHz QPSK	RB1#0	23.22	23.21	23.41	15.23	34.77

	RB1#25	23.42	23.46	23.24		
	RB1#49	23.58	23.27	23.24		
	RB25#0	22.09	22.5	22.55		
	RB25#25	22.44	22.36	22.26		
	RB50#0	22.3	22.56	22.4		
10MHz 16QAM	RB1#0	22.23	21.62	22.5	14.15	34.77
	RB1#25	22.39	21.95	22.37		
	RB1#49	22.5	21.79	22.3		
	RB25#0	21.19	21.47	21.41		
	RB25#25	21.45	21.49	21.26		
	RB50#0	21.38	21.43	21.32		

Note: ERP= Conducted Power(dBm) - Lc(dB) + G<sub>T</sub>(dBd)  
G<sub>T</sub>(dBd)=G<sub>T</sub>(dBi)-2.15

<b>Result:</b>	<b>Pass</b>
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### 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	
10MHz QPSK	RB1#0	4.46	3.68	3.77	13
	RB50#0	4.84	4.96	4.81	13
10MHz 16QAM	RB1#0	5.54	4.87	4.96	13
	RB50#0	5.68	5.88	5.86	13
<b>Result:</b>					<b>Pass</b>

### FCC §2.1049, §27.53:Occupied Bandwidth

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	1.102	1.102	1.254	1.248	1.254
1.4MHz 16QAM	1.090	1.100	1.108	1.248	1.254	1.260
3MHz QPSK	2.695	2.695	2.707	2.988	3.012	3.000
3MHz 16QAM	2.683	2.707	2.695	3.000	3.036	3.012
5MHz QPSK	4.511	4.511	4.531	5.000	5.000	4.980
5MHz 16QAM	4.531	4.531	4.511	5.000	5.020	4.980
10MHz QPSK	8.942	9.022	8.942	9.720	9.840	9.720
10MHz 16QAM	8.942	9.022	8.942	9.800	9.920	9.720

Note: The test plots please refer to the Plots of Occupied Bandwidth

### FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal

<b>Result:</b>	<b>Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.</b>
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**FCC §2.1051, §27.53: Out of band emission, Band Edge**

<b>Result:</b>	<b>Pass, Please refer to the test plots of Out of band emission, Band Edge.</b>
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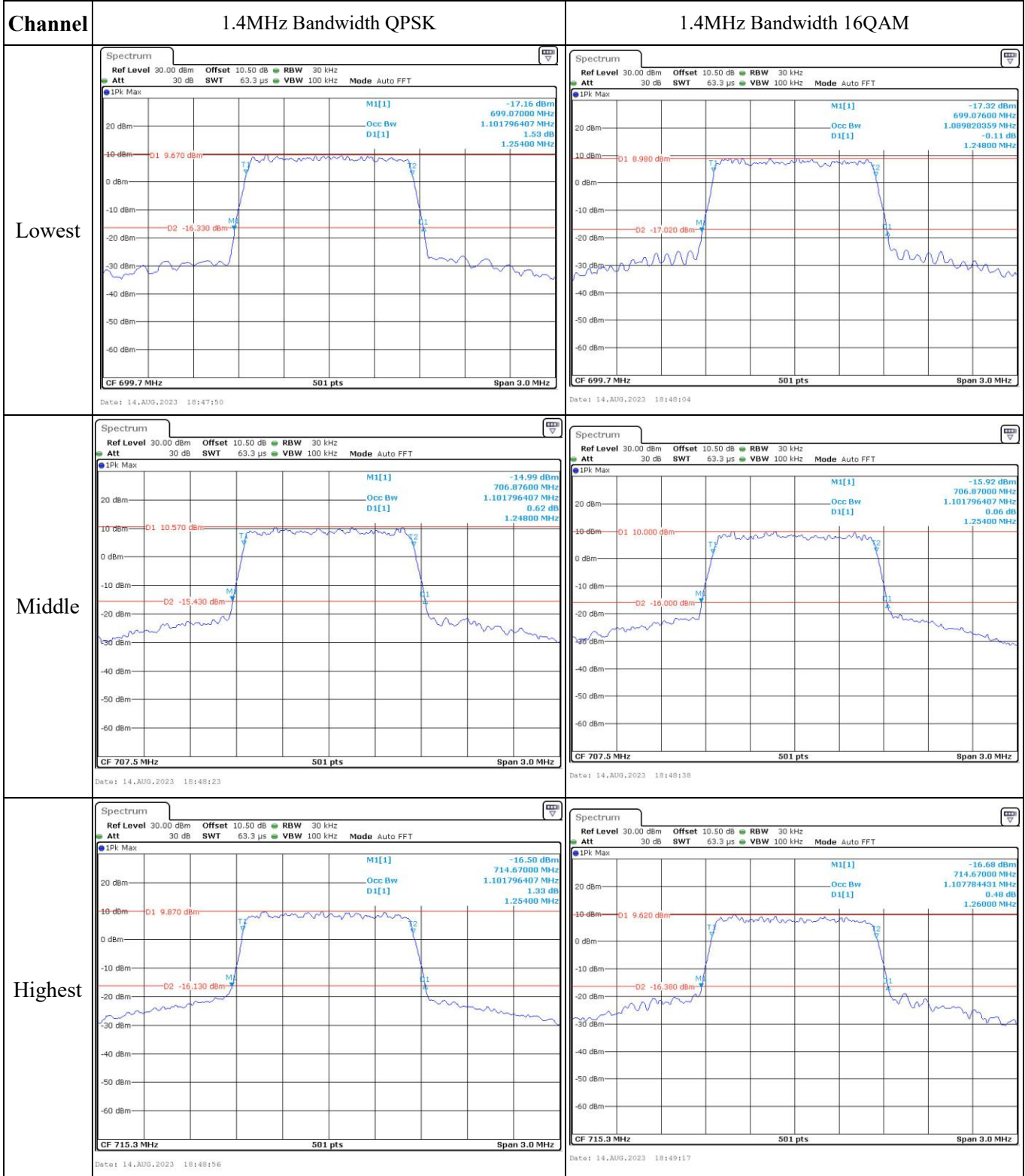
**FCC §2.1055, §27.54: Frequency Stability**

Test Mode:	10M 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	3.85	699.143	699.00	715.890	716.00
	-20	3.85	699.137	699.00	715.874	716.00
	-10	3.85	699.132	699.00	715.841	716.00
	0	3.85	699.150	699.00	715.873	716.00
	10	3.85	699.141	699.00	715.834	716.00
	20	3.85	699.139	699.00	715.829	716.00
	30	3.85	699.147	699.00	715.823	716.00
	40	3.85	699.136	699.00	715.826	716.00
Frequency Stability vs. Voltage	20	3.35	699.136	699.00	715.870	716.00
	20	4.4	699.140	699.00	715.871	716.00
<b>Result:</b>					<b>Pass</b>	

Test Mode:	10M 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	3.85	699.140	699.00	715.844	716.00
	-20	3.85	699.134	699.00	715.825	716.00
	-10	3.85	699.131	699.00	715.836	716.00
	0	3.85	699.128	699.00	715.835	716.00
	10	3.85	699.133	699.00	715.836	716.00
	20	3.85	699.141	699.00	715.847	716.00
	30	3.85	699.140	699.00	715.834	716.00
	40	3.85	699.138	699.00	715.835	716.00
Frequency Stability vs. Voltage	20	3.35	699.129	699.00	715.846	716.00
	20	4.4	699.127	699.00	715.847	716.00
<b>Result:</b>					<b>Pass</b>	

**Test Plots**(Note: The 10.5 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

**Occupied Bandwidth**





### Occupied Bandwidth

Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -18.49 dBm 699.0120 MHz Occ Bw 2.694610778 MHz D1[1] 0.15 dB 2.9880 MHz</p> <p>D1 7.160 dBm D2 -18.840 dBm</p> <p>CF 700.5 MHz 501 pts Span 6.0 MHz Date: 14.AUG.2023 18:49:40</p>	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -20.16 dBm 699.0000 MHz Occ Bw 2.682634731 MHz D1[1] 0.61 dB 3.0000 MHz</p> <p>D1 6.220 dBm D2 -19.780 dBm</p> <p>CF 700.5 MHz 501 pts Span 6.0 MHz Date: 14.AUG.2023 18:49:58</p>
Middle	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -18.79 dBm 705.9880 MHz Occ Bw 2.694610778 MHz D1[1] 0.04 dB 3.0120 MHz</p> <p>D1 7.170 dBm D2 -18.830 dBm</p> <p>CF 707.5 MHz 501 pts Span 6.0 MHz Date: 14.AUG.2023 18:50:17</p>	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -19.86 dBm 705.9880 MHz Occ Bw 2.706586826 MHz D1[1] 0.02 dB 3.0360 MHz</p> <p>D1 6.690 dBm D2 -19.310 dBm</p> <p>CF 707.5 MHz 501 pts Span 6.0 MHz Date: 14.AUG.2023 18:50:35</p>
Highest	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -18.41 dBm 712.9880 MHz Occ Bw 2.706586826 MHz D1[1] 0.59 dB 3.0000 MHz</p> <p>D1 7.890 dBm D2 -18.110 dBm</p> <p>CF 714.5 MHz 501 pts Span 6.0 MHz Date: 14.AUG.2023 18:50:54</p>	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -19.71 dBm 712.9880 MHz Occ Bw 2.694610778 MHz D1[1] 0.90 dB 3.0120 MHz</p> <p>D1 6.580 dBm D2 -19.420 dBm</p> <p>CF 714.5 MHz 501 pts Span 6.0 MHz Date: 14.AUG.2023 18:51:15</p>

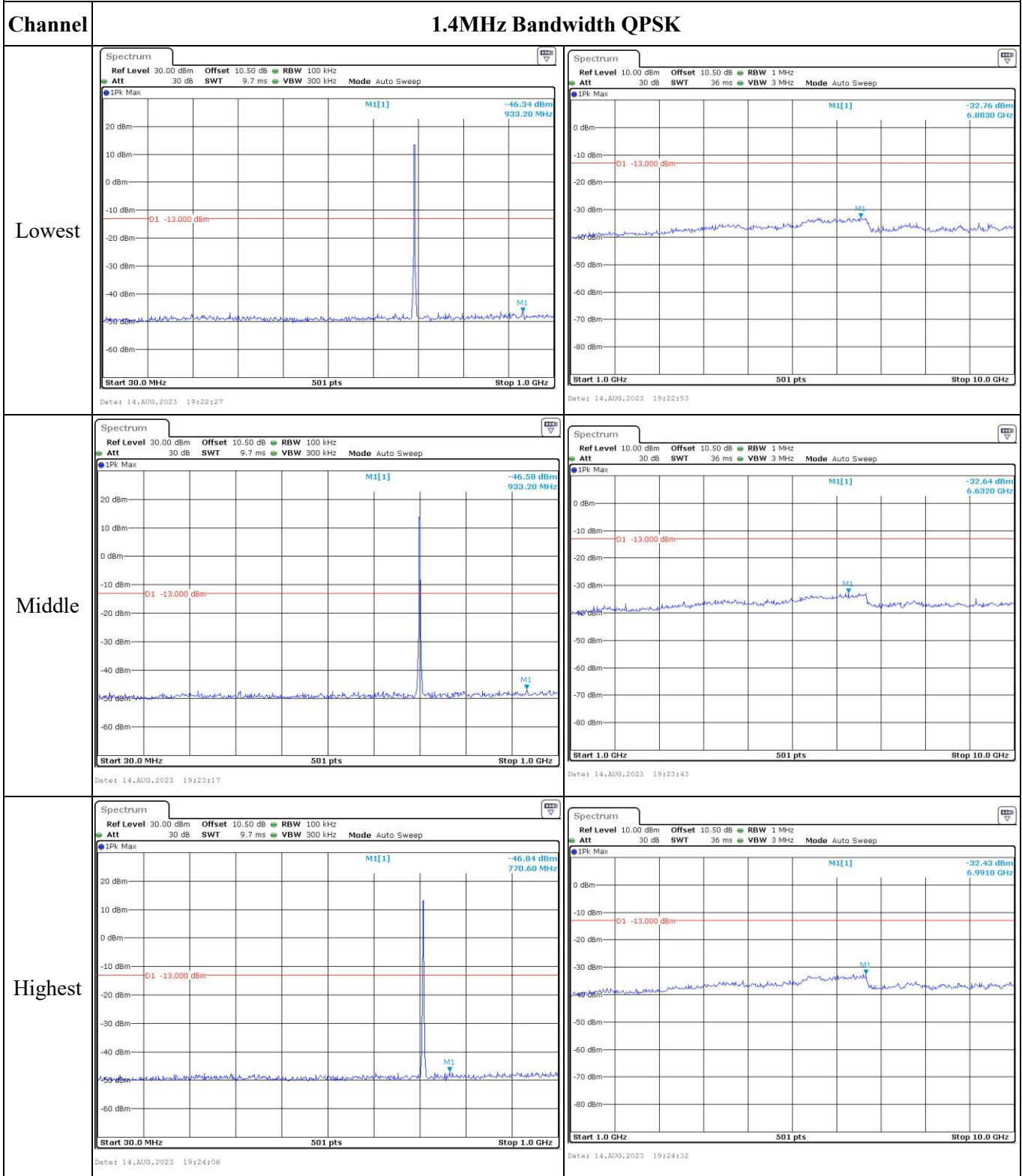
### Occupied Bandwidth

Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest	<p>CF 701.5 MHz 501 pts Span 10.0 MHz Date: 14.AUG.2023 18:51:42</p>	<p>CF 701.5 MHz 501 pts Span 10.0 MHz Date: 14.AUG.2023 18:52:00</p>
Middle	<p>CF 707.5 MHz 501 pts Span 10.0 MHz Date: 14.AUG.2023 18:52:26</p>	<p>CF 707.5 MHz 501 pts Span 10.0 MHz Date: 14.AUG.2023 18:52:44</p>
Highest	<p>CF 713.5 MHz 501 pts Span 10.0 MHz Date: 14.AUG.2023 18:53:07</p>	<p>CF 713.5 MHz 501 pts Span 10.0 MHz Date: 14.AUG.2023 18:53:23</p>

### Occupied Bandwidth

Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest	<p>CF 704.0 MHz      501 pts      Span 20.0 MHz</p> <p>Date: 14.AUG.2023 18:53:10</p>	<p>CF 704.0 MHz      501 pts      Span 20.0 MHz</p> <p>Date: 14.AUG.2023 18:54:18</p>
Middle	<p>CF 707.5 MHz      501 pts      Span 20.0 MHz</p> <p>Date: 14.AUG.2023 18:54:54</p>	<p>CF 707.5 MHz      501 pts      Span 20.0 MHz</p> <p>Date: 14.AUG.2023 18:55:29</p>
Highest	<p>CF 711.0 MHz      501 pts      Span 20.0 MHz</p> <p>Date: 14.AUG.2023 18:55:55</p>	<p>CF 711.0 MHz      501 pts      Span 20.0 MHz</p> <p>Date: 14.AUG.2023 18:56:27</p>

### Spurious Emissions at Antenna Terminal

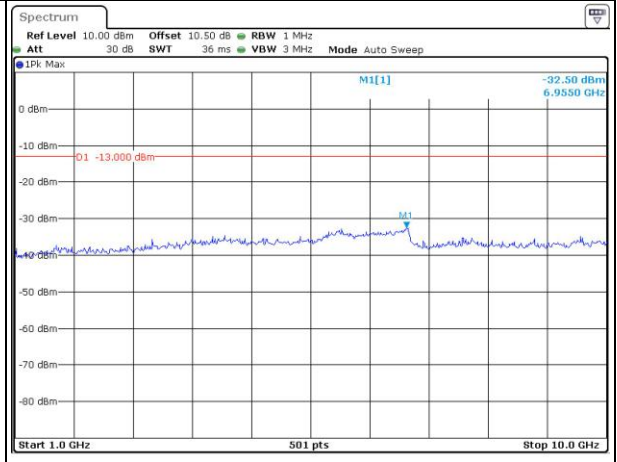
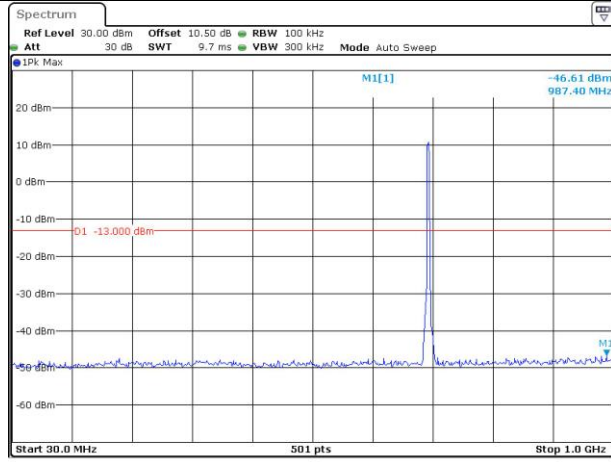


### Spurious Emissions at Antenna Terminal

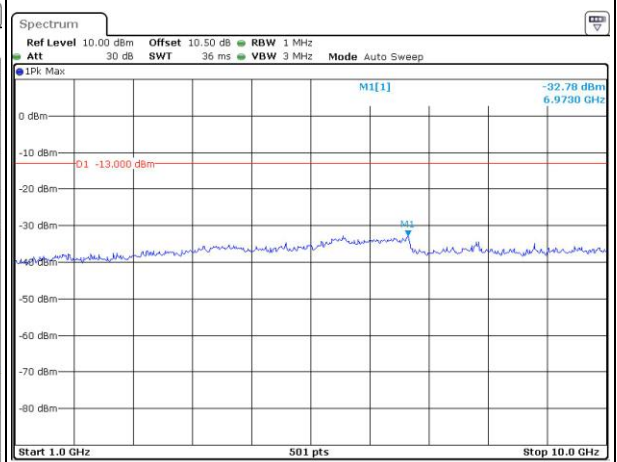
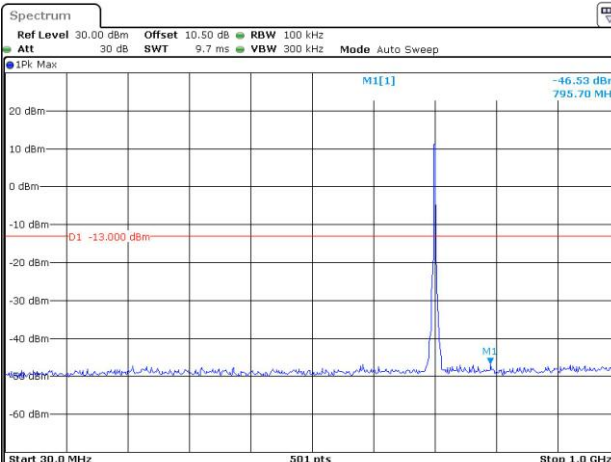
Channel

3MHz Bandwidth QPSK

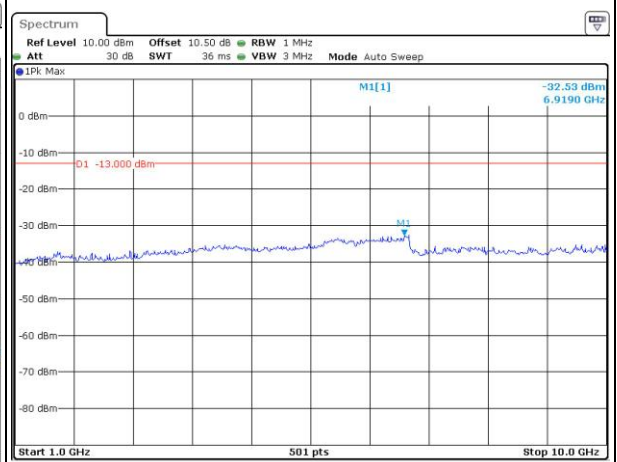
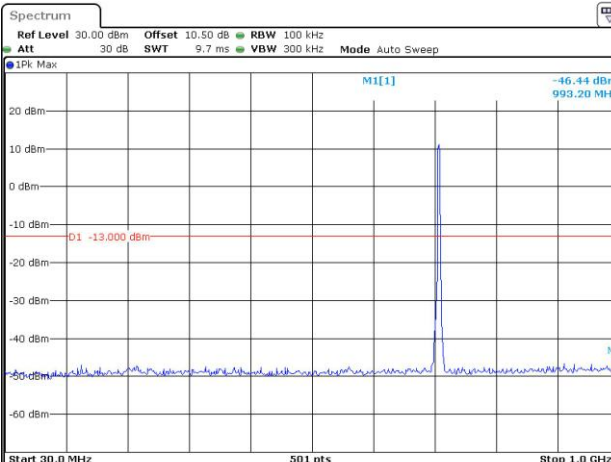
Lowest



Middle



Highest



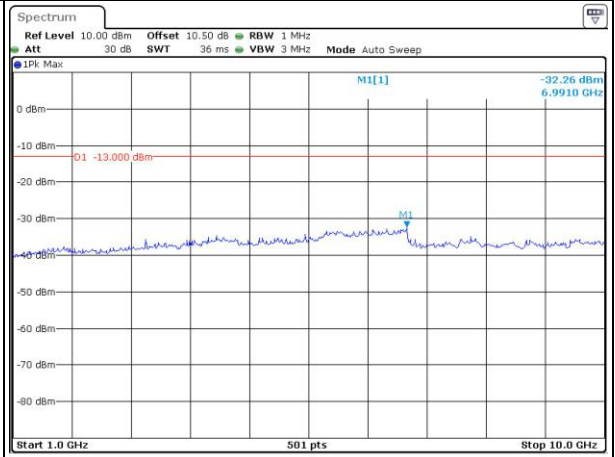
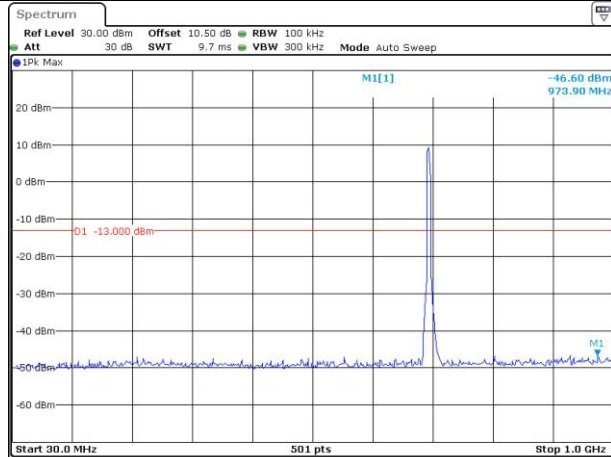


### Spurious Emissions at Antenna Terminal

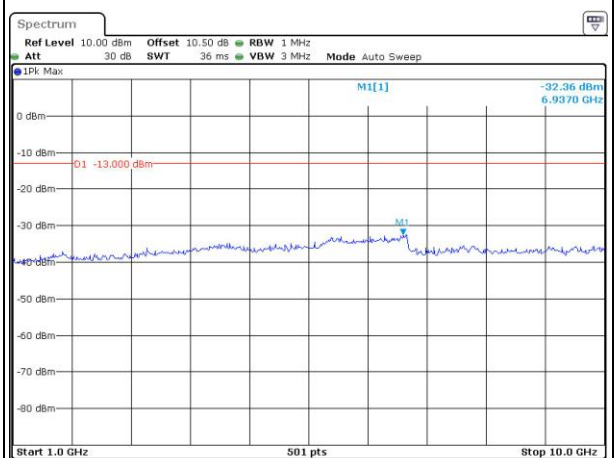
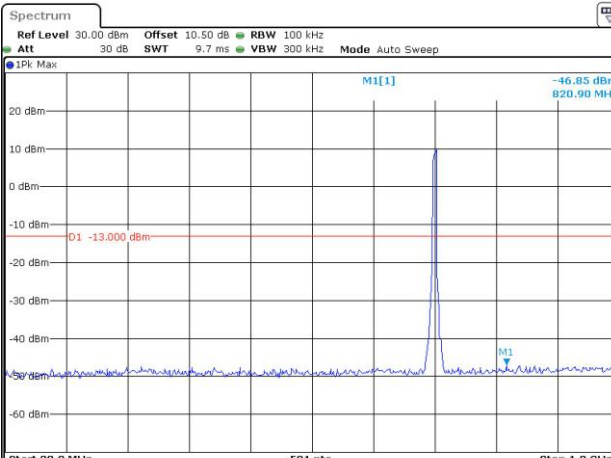
Channel

5MHz Bandwidth QPSK

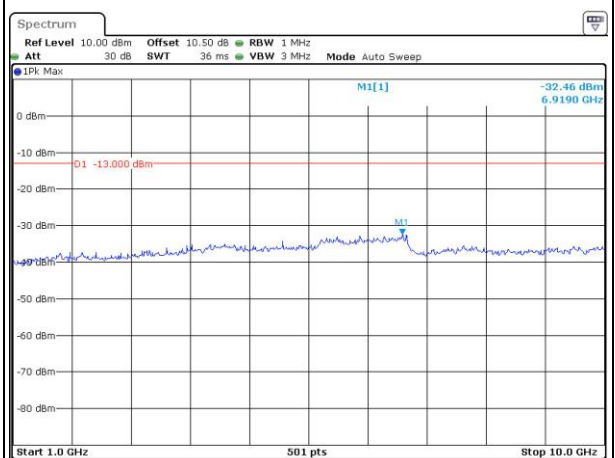
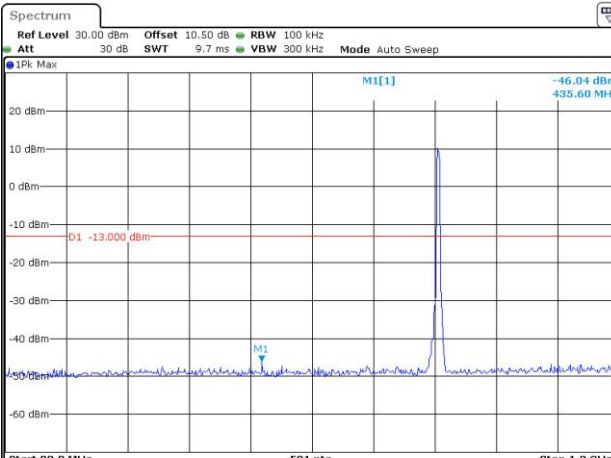
Lowest



Middle



Highest

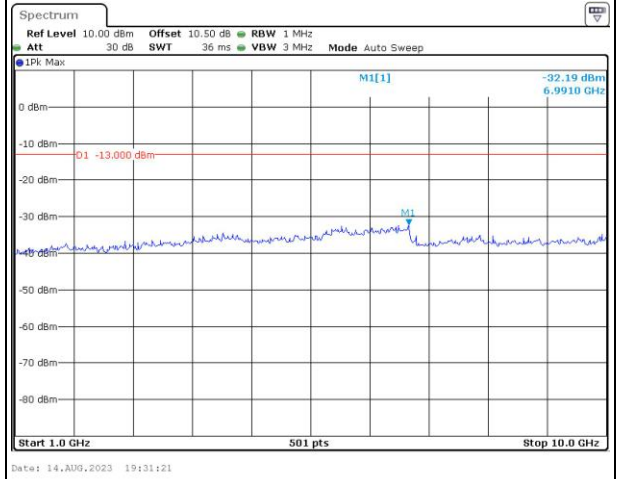
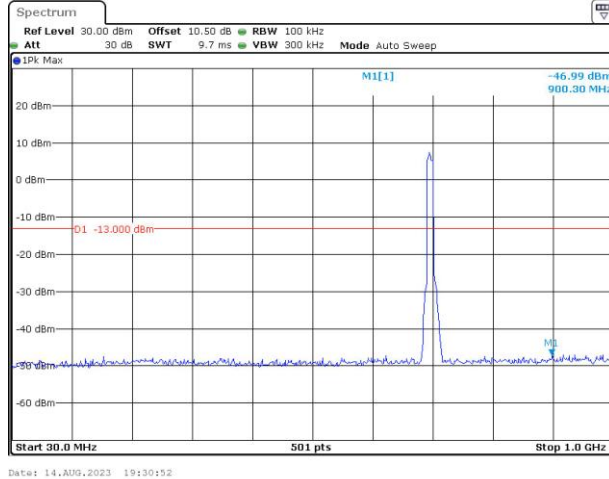


### Spurious Emissions at Antenna Terminal

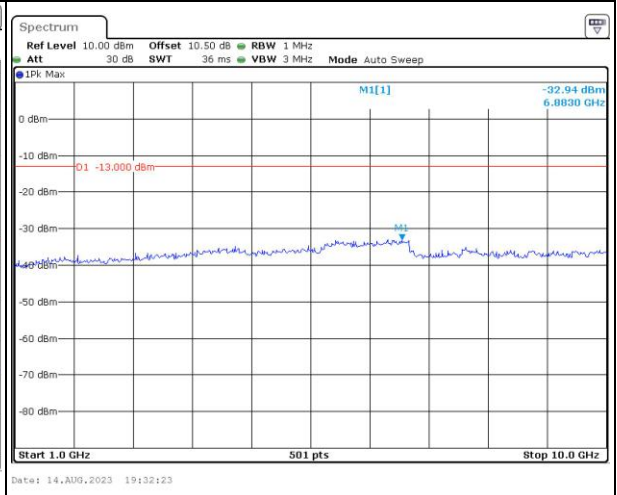
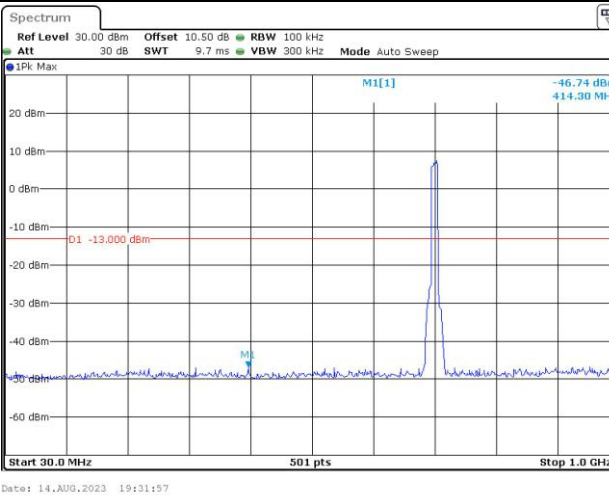
Channel

10MHz Bandwidth QPSK

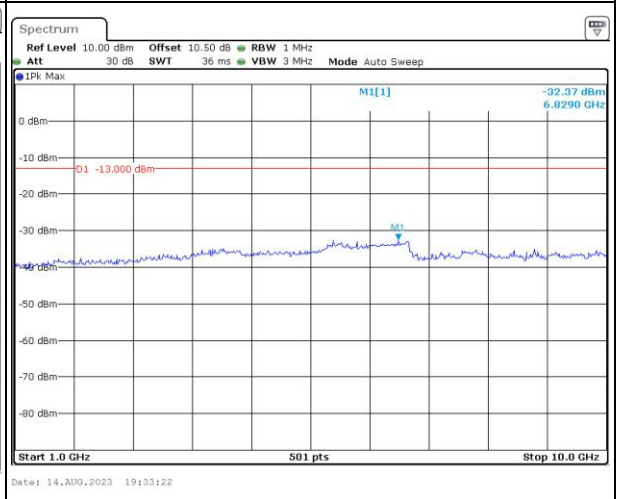
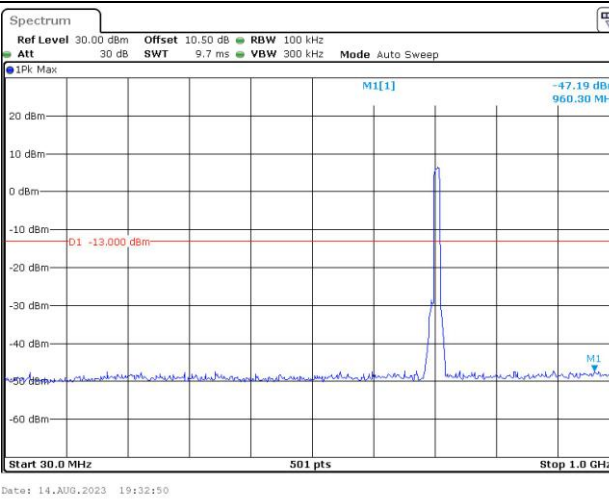
Lowest



Middle



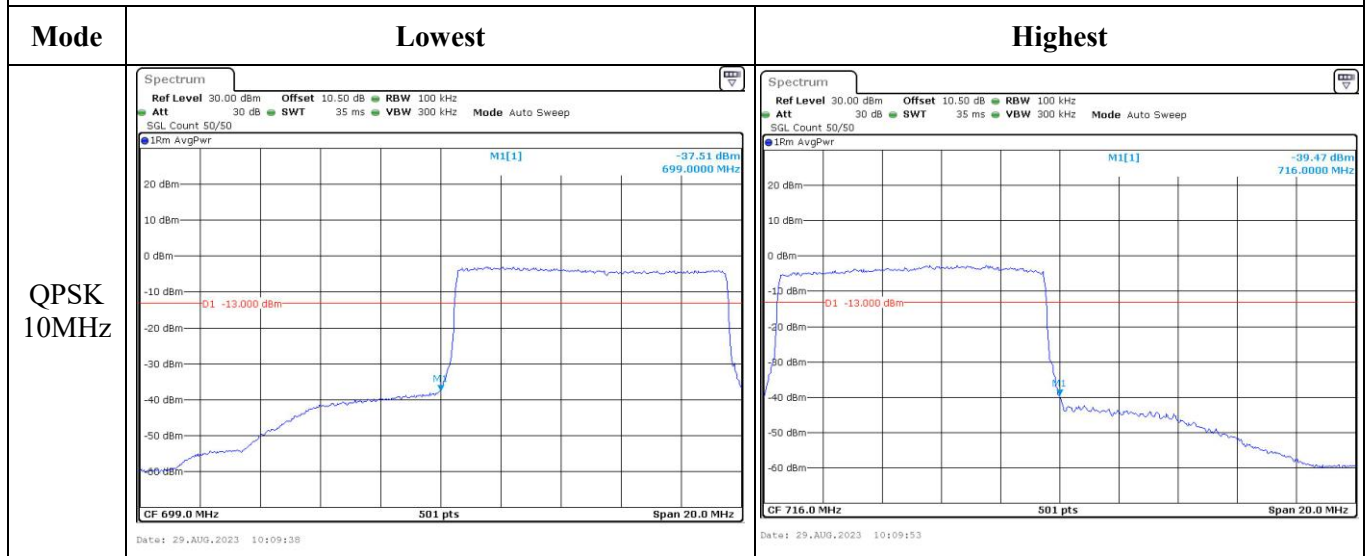
Highest



### Out of band emission, Band Edge

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

Out of band emission, Band Edge

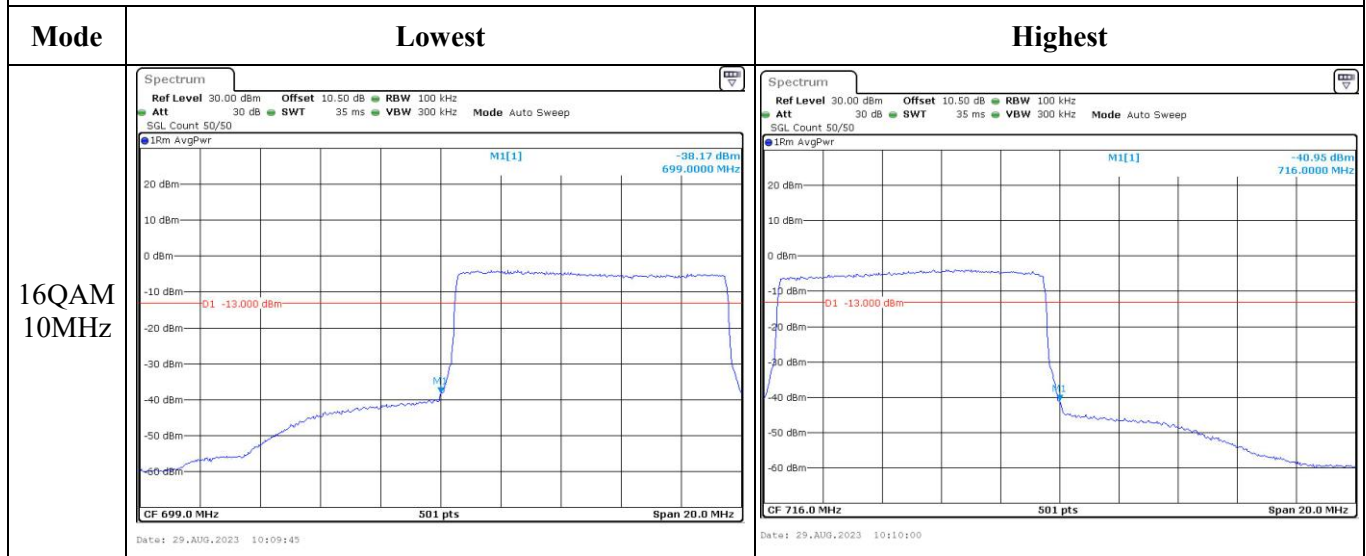


Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 1.4MHz	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 35 ms VBW 100 kHz Mode Auto Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -40.14 dBm 699.00000 MHz CF 699.0 MHz 501 pts Span 3.0 MHz Date: 29.AUG.2023 10:08:12</p>	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 35 ms VBW 100 kHz Mode Auto Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -32.82 dBm 716.02400 MHz CF 716.0 MHz 501 pts Span 3.0 MHz Date: 29.AUG.2023 10:08:25</p>
16QAM 3MHz	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 35 ms VBW 100 kHz Mode Auto Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -34.87 dBm 699.00000 MHz CF 699.0 MHz 501 pts Span 6.0 MHz Date: 29.AUG.2023 10:08:42</p>	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 30 kHz Att 30 dB SWT 35 ms VBW 100 kHz Mode Auto Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -33.50 dBm 716.00000 MHz CF 716.0 MHz 501 pts Span 6.0 MHz Date: 29.AUG.2023 10:08:54</p>
16QAM 5MHz	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 100 kHz Att 30 dB SWT 35 ms VBW 300 kHz Mode Auto Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -35.15 dBm 699.00000 MHz CF 699.0 MHz 501 pts Span 10.0 MHz Date: 29.AUG.2023 10:09:11</p>	<p>Ref Level 30.00 dBm Offset 10.50 dB RBW 100 kHz Att 30 dB SWT 35 ms VBW 300 kHz Mode Auto Sweep SGL Count 50/50 1Rm AvgPwr MI[1] -35.45 dBm 716.00000 MHz CF 716.0 MHz 501 pts Span 10.0 MHz Date: 29.AUG.2023 10:09:25</p>



Out of band emission, Band Edge



**4.11 Antenna Port Test Data and Results for LTE Band 17**

Serial Number:	2A4I-1	Test Date:	2023/8/13-2023/8/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Panda Sun	Test Result:	Pass

**Environmental Conditions:**

Temperature: (°C)	25.3~25.6	Relative Humidity: (%)	64-68	ATM Pressure: (kPa)	101
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**Test Equipment List and Details:**

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40-N	102259	2023/4/18	2024/4/17
R&S	Wideband Radio Communication Tester	CMW500	143458	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
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2022/9/29	2023/9/28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A
eastsheep	Coaxial Attenuator	2W-SMA-JK-18G	21060301	Each time	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)
5MHz	706.5	710	713.5
10MHz	709	710	711