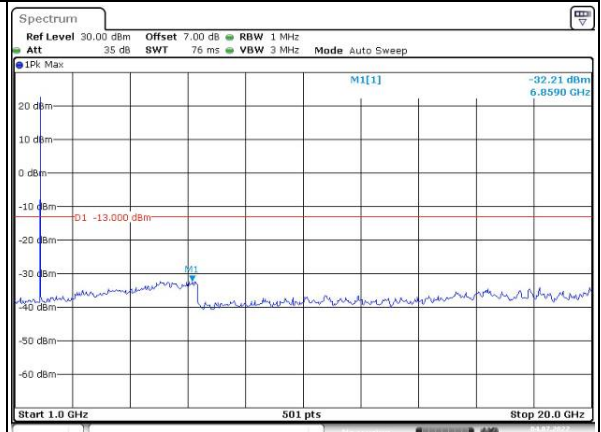
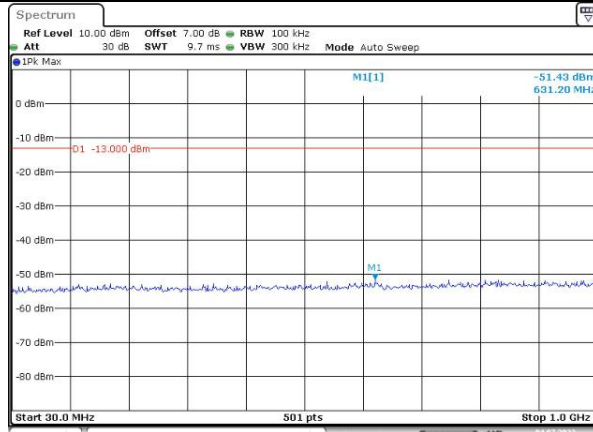


Spurious Emissions at Antenna Terminal

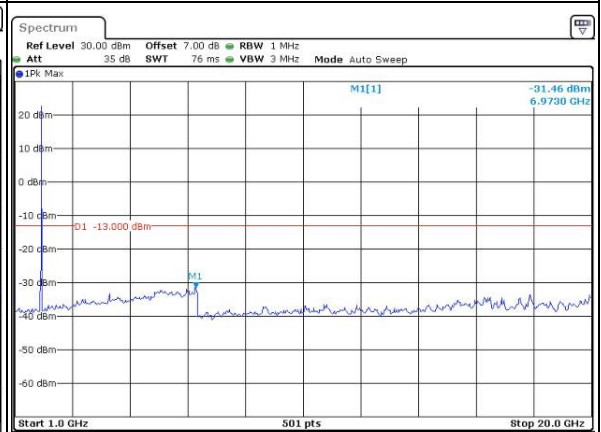
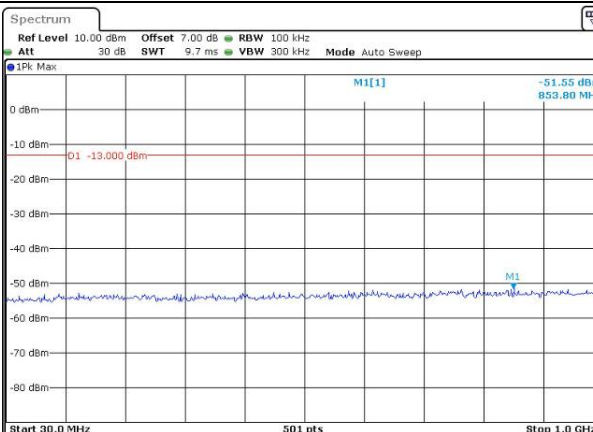
Channel

5MHz Bandwidth QPSK

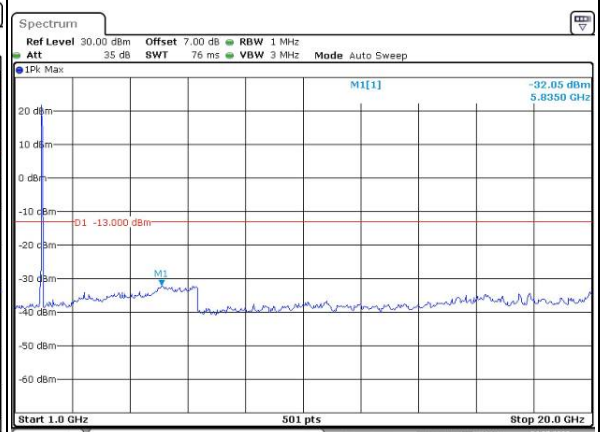
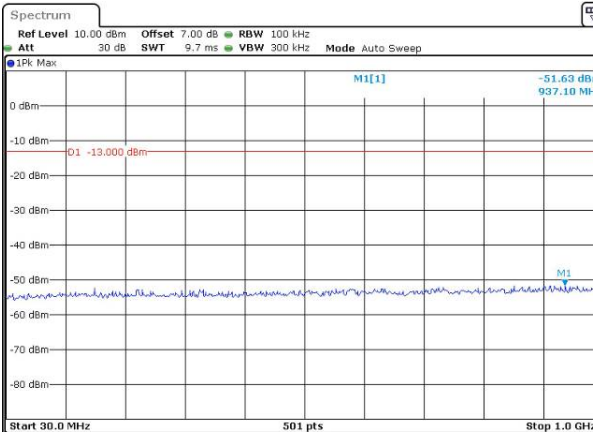
Lowest



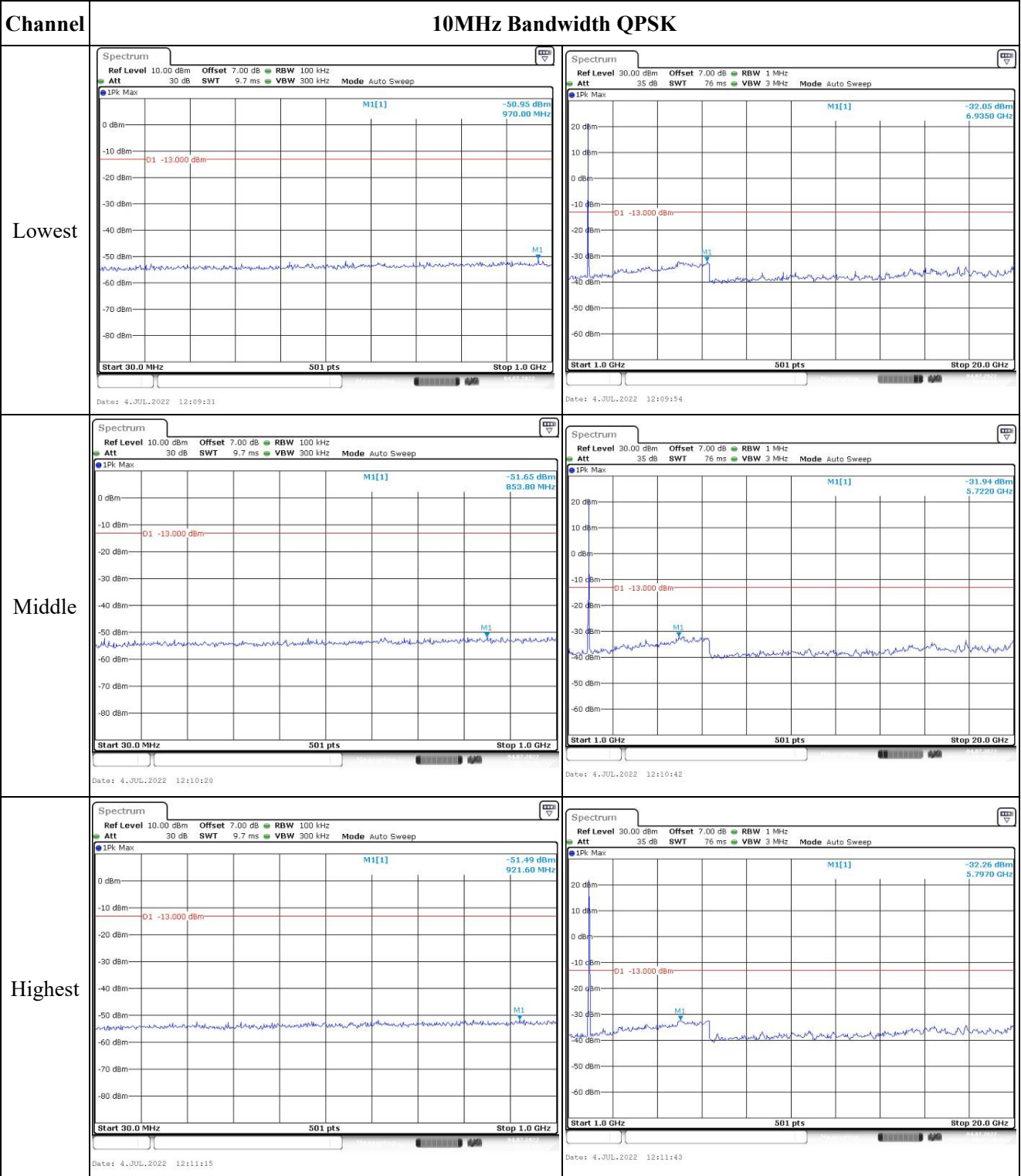
Middle



Highest



Spurious Emissions at Antenna Terminal



Spurious Emissions at Antenna Terminal

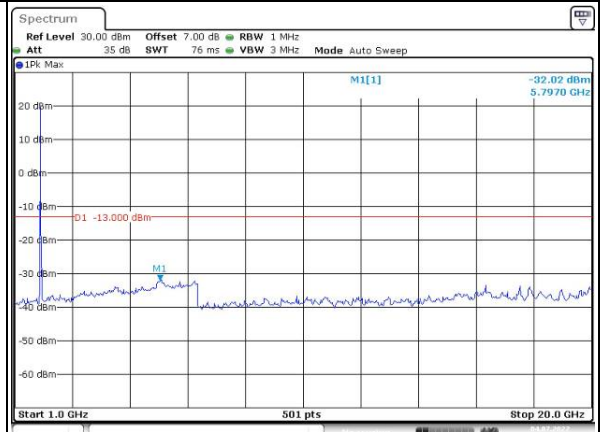
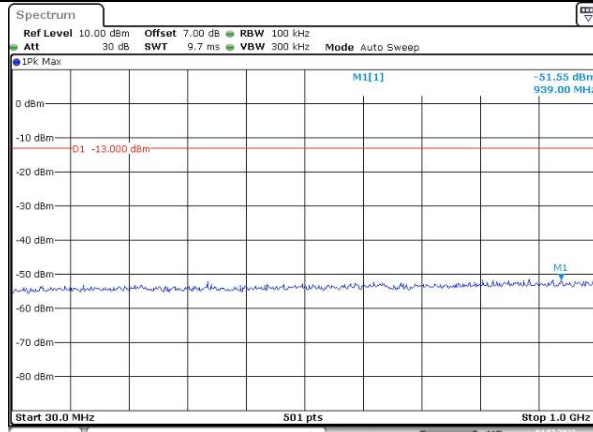
Channel	15MHz Bandwidth QPSK	
Lowest	<p>Ref Level 10.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep 1Pk Max M1[1] -51.81 dBm 824.80 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz Date: 4.JUL.2022 12:12:15</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Auto Sweep 1Pk Max M1[1] -31.99 dBm 5.8350 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz Date: 4.JUL.2022 12:12:40</p>
Middle	<p>Ref Level 10.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep 1Pk Max M1[1] -51.55 dBm 851.90 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz Date: 4.JUL.2022 12:13:12</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Auto Sweep 1Pk Max M1[1] -31.66 dBm 6.9350 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz Date: 4.JUL.2022 12:13:34</p>
Highest	<p>Ref Level 10.00 dBm Offset 7.00 dB RBW 100 kHz Att 30 dB SWT 9.7 ms VBW 300 kHz Mode Auto Sweep 1Pk Max M1[1] -51.09 dBm 851.90 MHz -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz Date: 4.JUL.2022 12:14:06</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 1 MHz Att 35 dB SWT 76 ms VBW 3 MHz Mode Auto Sweep 1Pk Max M1[1] -31.95 dBm 5.8730 GHz -13.000 dBm Start 1.0 GHz 501 pts Stop 20.0 GHz Date: 4.JUL.2022 12:14:28</p>

Spurious Emissions at Antenna Terminal

Channel

20MHz Bandwidth QPSK

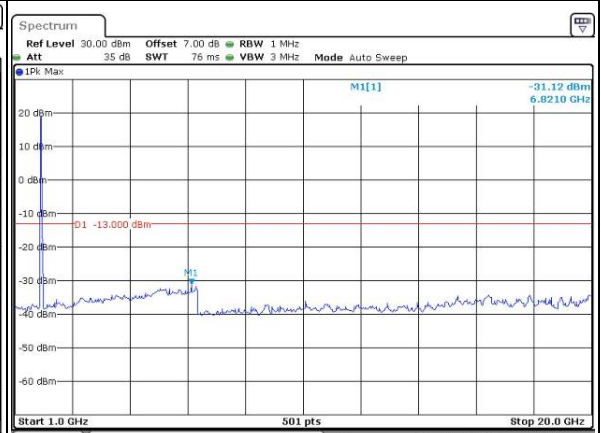
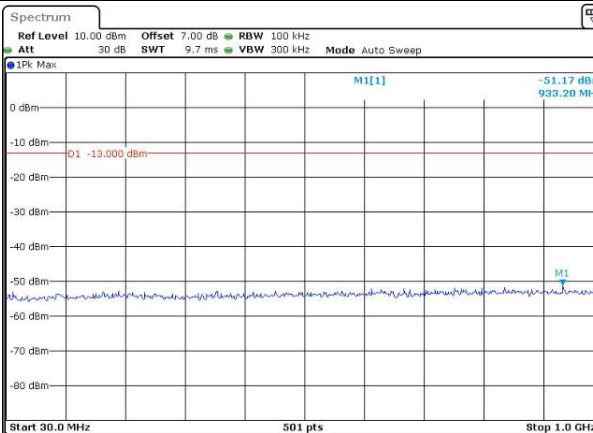
Lowest



Date: 4.JUL.2022 12:15:03

Date: 4.JUL.2022 12:15:25

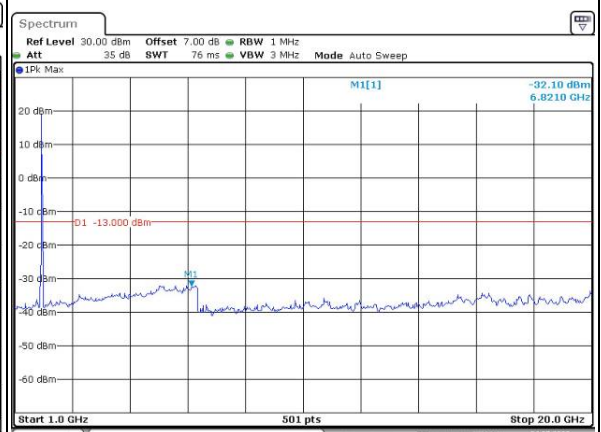
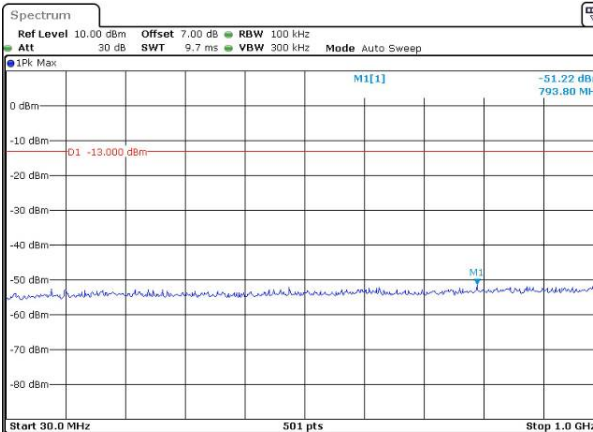
Middle



Date: 4.JUL.2022 12:15:53

Date: 4.JUL.2022 12:16:19

Highest



Date: 4.JUL.2022 12:16:50

Date: 4.JUL.2022 12:17:16

Out of band emission, Band Edge

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

Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 10MHz	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 35 dB SWT 38 μs VBW 300 kHz Mode Auto FFT M1[1] -22.37 dBm 1.8500000 GHz D1 -13.000 dBm CF 1.85 GHz 501 pts Span 20.0 MHz Date: 7.JUL.2022 11:40:35</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 35 dB SWT 38 μs VBW 300 kHz Mode Auto FFT M1[1] -17.45 dBm 1.9103190 GHz D1 -13.000 dBm CF 1.91 GHz 501 pts Span 20.0 MHz Date: 7.JUL.2022 11:41:19</p>
QPSK 15MHz	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 35 dB SWT 12.7 μs VBW 1 MHz Mode Auto FFT M1[1] -16.19 dBm 1.8500000 GHz D1 -13.000 dBm CF 1.85 GHz 501 pts Span 30.0 MHz Date: 7.JUL.2022 11:42:09</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 35 dB SWT 12.7 μs VBW 1 MHz Mode Auto FFT M1[1] -18.63 dBm 1.9100000 GHz D1 -13.000 dBm CF 1.91 GHz 501 pts Span 30.0 MHz Date: 7.JUL.2022 11:43:10</p>
QPSK 20MHz	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 35 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT M1[1] -20.59 dBm 1.8500000 GHz D1 -13.000 dBm CF 1.85 GHz 501 pts Span 40.0 MHz Date: 7.JUL.2022 11:44:14</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 35 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT M1[1] -20.67 dBm 1.9100000 GHz D1 -13.000 dBm CF 1.91 GHz 501 pts Span 40.0 MHz Date: 7.JUL.2022 11:45:18</p>

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 1.4MHz	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 35 dB SWT 63.3 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -14.31 dBm 1.8500000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.85 GHz 501 pts Span 3.0 MHz</p> <p>Date: 7.JUL.2022 11:37:07</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 35 dB SWT 63.3 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -19.53 dBm 1.9100000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.91 GHz 501 pts Span 3.0 MHz</p> <p>Date: 7.JUL.2022 11:37:39</p>
16QAM 3MHz	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 35 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -22.81 dBm 1.8500000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.85 GHz 501 pts Span 6.0 MHz</p> <p>Date: 7.JUL.2022 11:38:14</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 35 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -24.15 dBm 1.9100000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.91 GHz 501 pts Span 6.0 MHz</p> <p>Date: 7.JUL.2022 11:38:49</p>
16QAM 5MHz	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 50 kHz Att 35 dB SWT 37.9 μs VBW 200 kHz Mode Auto FFT</p> <p>M1[1] -16.64 dBm 1.8500000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.85 GHz 501 pts Span 10.0 MHz</p> <p>Date: 11.JUL.2022 18:47:56</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 50 kHz Att 35 dB SWT 37.9 μs VBW 200 kHz Mode Auto FFT</p> <p>M1[1] -17.15 dBm 1.9100000 GHz</p> <p>D1 -13.000 dBm</p> <p>CF 1.91 GHz 501 pts Span 10.0 MHz</p> <p>Date: 11.JUL.2022 18:46:01</p>

Out of band emission, Band Edge

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

4.6 Antenna Port Test Data and Results for LTE Band 4

Serial Number:	CR220050079-RF-S1	Test Date:	2022/7/2~2022/7/11
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ted Min	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.3~24.8	Relative Humidity: (%)	49~52	ATM Pressure: (kPa)	100.0~100.2
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101943	2021-10-10	2022-10-09
R&S	Wideband Radio Communication Tester	CMW500	149218	2021-07-21	2022-07-20
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-04-06	2023-04-05
UNI-T	Multimeter	UT39A+	C210582554	2021-09-30	2022-09-29
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
E-Microwave	Two-way Splitter	ODP-1-6	OE0120176	Each time	N/A
HuiXunDa	DC Block	SMA-JK 18G	DCB181108042	Each time	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100003	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).

EUT Information@ LTE Band 4▲:

Antenna Gain (dBi):	-1.15	Path Loss L _C (dB):	0
Operation Voltage(V _{DC}):			
Lowest:	3.42	Normal:	3.8
		Highest:	4.18

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:**FCC§2.1046;§ 27.50(d)(4)****RF Output Power:**

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	22.02	21.8	21.91	20.96	30
	RB1#3	22.03	21.88	21.93		
	RB1#5	22.11	21.86	22.07		
	RB3#0	21.99	21.69	22.02		
	RB3#3	22.1	21.66	21.81		
	RB6#0	21.73	21.47	21.71		
1.4MHz 16QAM	RB1#0	21.89	21.48	21.78	20.79	30
	RB1#3	21.92	21.58	21.86		
	RB1#5	21.94	21.63	21.75		
	RB3#0	21.81	21.51	21.76		
	RB3#3	21.8	21.63	21.73		
	RB6#0	21.48	21.11	21.36		
3MHz QPSK	RB1#0	22.04	21.95	21.9	21.02	30
	RB1#8	22.13	22.07	21.87		
	RB1#14	22.17	22.13	22.01		
	RB6#0	22.13	21.99	21.97		
	RB6#9	22.15	22.09	22.07		
	RB15#0	21.91	21.64	21.59		
3MHz 16QAM	RB1#0	21.86	21.74	21.78	20.89	30
	RB1#8	21.94	21.38	21.58		
	RB1#14	21.95	21.52	21.62		
	RB6#0	22.03	21.32	21.56		
	RB6#9	22.04	21.4	21.59		
	RB15#0	21.83	20.93	21.32		
5MHz QPSK	RB1#0	21.87	21.79	21.75	20.95	30
	RB1#13	21.99	21.86	21.75		
	RB1#24	21.94	21.83	21.75		
	RB15#0	22.1	21.92	21.59		
	RB15#10	22.02	21.68	21.67		
	RB25#0	21.69	21.4	21.29		
5MHz 16QAM	RB1#0	21.62	21.48	21.42	20.74	30
	RB1#13	21.72	21.51	21.48		
	RB1#24	21.89	21.68	21.72		
	RB15#0	21.85	21.66	21.59		
	RB15#10	21.88	21.69	21.6		
	RB25#0	21.63	21.37	21.35		

10MHz QPSK	RB1#0	21.92	21.86	21.85	20.93	30
	RB1#25	21.91	21.9	21.9		
	RB1#49	22.08	22.01	21.93		
	RB25#0	21.95	21.91	21.83		
	RB25#25	21.97	21.95	21.93		
	RB50#0	21.48	21.39	21.35		
10MHz 16QAM	RB1#0	21.57	21.44	21.35	20.77	30
	RB1#25	21.91	21.81	21.61		
	RB1#49	21.92	21.9	21.64		
	RB25#0	21.91	21.77	21.54		
	RB25#25	21.81	21.79	21.58		
	RB50#0	21.64	21.53	21.19		
15MHz QPSK	RB1#0	21.84	22.04	21.83	21.17	30
	RB1#38	21.9	22.18	21.88		
	RB1#74	22.01	22.32	21.89		
	RB36#0	21.82	22.17	21.75		
	RB36#39	21.83	22.12	21.84		
	RB75#0	21.52	21.99	21.41		
15MHz 16QAM	RB1#0	21.61	22.03	21.51	20.98	30
	RB1#38	21.72	22.12	21.66		
	RB1#74	21.72	22.13	21.61		
	RB36#0	21.68	22.02	21.55		
	RB36#39	21.63	21.96	21.63		
	RB75#0	21.36	21.86	21.29		
20MHz QPSK	RB1#0	22	21.95	21.82	21.21	30
	RB1#50	22.28	22.06	21.99		
	RB1#99	22.36	21.12	22.11		
	RB50#0	21.94	21.87	21.85		
	RB50#50	21.94	21.84	21.86		
	RB100#0	21.67	21.63	21.57		
20MHz 16QAM	RB1#0	21.65	21.73	21.73	20.76	30
	RB1#50	21.67	21.8	21.86		
	RB1#99	21.77	21.76	21.91		
	RB50#0	21.58	21.59	21.85		
	RB50#50	21.6	21.71	21.9		
	RB100#0	21.2	21.38	21.51		
Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(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	3.12	3.24	3.41	13
	RB100#0	5.06	5.19	5.26	13
20MHz 16QAM	RB1#0	4.18	4.35	4.11	13
	RB100#0	6.36	6.19	6.27	13
Result:					Pass

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	1.096	1.096	1.108	1.296	1.32	1.314
1.4MHz 16QAM	1.096	1.09	1.102	1.326	1.284	1.308
3MHz QPSK	2.683	2.683	2.683	2.88	2.88	2.892
3MHz 16QAM	2.683	2.683	2.683	2.892	2.88	2.88
5MHz QPSK	4.511	4.511	4.491	4.98	5.32	4.94
5MHz 16QAM	4.491	4.511	4.511	5.06	5.5	4.98
10MHz QPSK	8.942	8.942	8.942	9.64	9.64	9.72
10MHz 16QAM	8.942	8.942	8.942	9.6	9.64	9.64
15MHz QPSK	13.473	13.413	13.533	14.82	14.58	14.76
15MHz 16QAM	13.473	13.533	13.533	14.7	14.7	14.76
20MHz QPSK	17.964	17.884	18.044	19.36	19.2	19.52
20MHz 16QAM	17.964	17.884	17.884	19.28	19.36	19.36

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

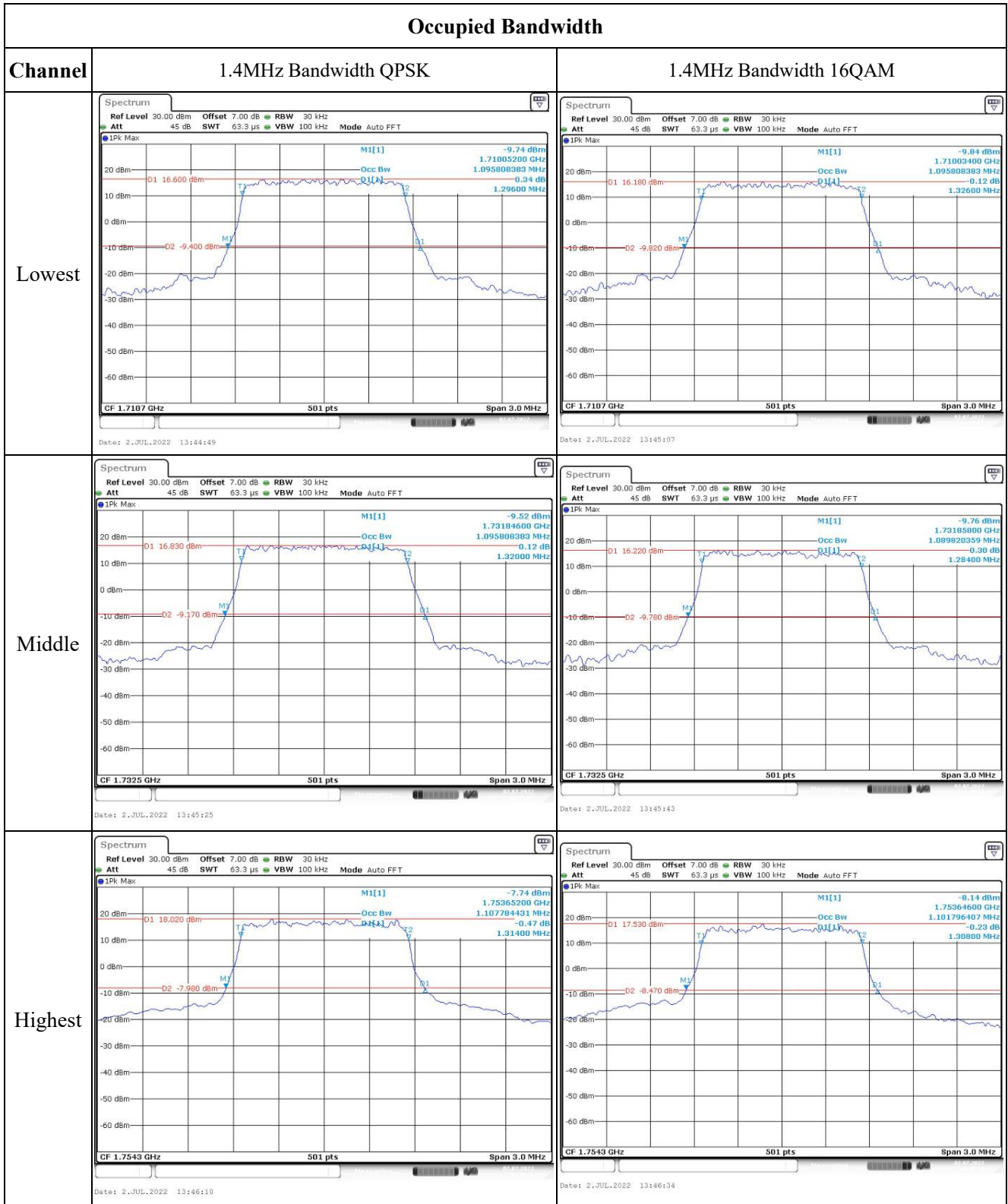
FCC §2.1051, § 27.53:Spurious Emissions at Antenna Terminal	
Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.

FCC §2.1051, § 27.53:Out of band emission, Band Edge	
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.

FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1710.276	1710.00	1754.770	1755
	-20	3.8	1710.332	1710.00	1754.721	1755
	-10	3.8	1710.219	1710.00	1754.814	1755
	0	3.8	1710.323	1710.00	1754.769	1755
	10	3.8	1710.286	1710.00	1754.672	1755
	20	3.8	1710.226	1710.00	1754.828	1755
	30	3.8	1710.283	1710.00	1754.684	1755
	40	3.8	1710.323	1710.00	1754.739	1755
Frequency Stability vs. Voltage	20	3.42	1710.277	1710.00	1754.759	1755
	20	4.18	1710.201	1710.00	1754.783	1755
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1710.338	1710.00	1754.663	1755
	-20	3.8	1710.328	1710.00	1754.623	1755
	-10	3.8	1710.362	1710.00	1754.693	1755
	0	3.8	1710.390	1710.00	1754.757	1755
	10	3.8	1710.305	1710.00	1754.787	1755
	20	3.8	1710.329	1710.00	1754.623	1755
	30	3.8	1710.315	1710.00	1754.722	1755
	40	3.8	1710.202	1710.00	1754.746	1755
Frequency Stability vs. Voltage	20	3.42	1710.288	1710.00	1754.611	1755
	20	4.18	1710.298	1710.00	1754.682	1755
					Result:	Pass

Test Plots:



Occupied Bandwidth

Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 45 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -11.12 dBm 1.7100500 GHz 2.682634731 MHz 0.07 dB 2.8800 MHz</p> <p>D1 15.400 dBm D2 -10.500 dBm</p> <p>CF 1.7115 GHz 501 pts Span 6.0 MHz</p> <p>Date: 2.JUL.2022 13:46:59</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 45 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -13.32 dBm 1.7100500 GHz 2.682634731 MHz 0.97 dB 2.8920 MHz</p> <p>D1 13.710 dBm D2 -12.290 dBm</p> <p>CF 1.7115 GHz 501 pts Span 6.0 MHz</p> <p>Date: 2.JUL.2022 13:47:19</p>
Middle	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 45 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -11.71 dBm 1.7310600 GHz 2.682634731 MHz 0.34 dB 2.8800 MHz</p> <p>D1 14.730 dBm D2 -11.270 dBm</p> <p>CF 1.7325 GHz 501 pts Span 6.0 MHz</p> <p>Date: 2.JUL.2022 13:47:38</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 45 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -12.20 dBm 1.7310600 GHz 2.682634731 MHz -0.16 dB 2.8800 MHz</p> <p>D1 13.540 dBm D2 -12.460 dBm</p> <p>CF 1.7325 GHz 501 pts Span 6.0 MHz</p> <p>Date: 2.JUL.2022 13:47:59</p>
Highest	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 45 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -12.56 dBm 1.7520480 GHz 2.682634731 MHz 0.50 dB 2.8920 MHz</p> <p>D1 14.160 dBm D2 -11.840 dBm</p> <p>CF 1.7535 GHz 501 pts Span 6.0 MHz</p> <p>Date: 2.JUL.2022 13:48:17</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 30 kHz Att 45 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -11.01 dBm 1.7520600 GHz 2.682634731 MHz -1.20 dB 2.8800 MHz</p> <p>D1 14.360 dBm D2 -11.640 dBm</p> <p>CF 1.7535 GHz 501 pts Span 6.0 MHz</p> <p>Date: 2.JUL.2022 13:48:35</p>

Occupied Bandwidth

Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 19 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -9.50 dBm 1.7100200 GHz Occ Bw 4.510978044 MHz -1.14 dB 4.9800 MHz</p> <p>D1 16.940 dBm D2 -9.060 dBm</p> <p>CF 1.7125 GHz 501 pts Span 10.0 MHz</p> <p>Date: 2.JUL.2022 13:48:55</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 19 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -8.78 dBm 1.7100200 GHz Occ Bw 4.491017964 MHz -0.36 dB 5.0600 MHz</p> <p>D1 16.880 dBm D2 -9.120 dBm</p> <p>CF 1.7125 GHz 501 pts Span 10.0 MHz</p> <p>Date: 2.JUL.2022 13:49:16</p>
Middle	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 19 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -9.23 dBm 1.7299600 GHz Occ Bw 4.510978044 MHz -0.15 dB 5.3200 MHz</p> <p>D1 16.760 dBm D2 -9.240 dBm</p> <p>CF 1.7325 GHz 501 pts Span 10.0 MHz</p> <p>Date: 2.JUL.2022 13:49:38</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 19 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -10.10 dBm 1.7295200 GHz Occ Bw 4.510978044 MHz -0.08 dB 5.5000 MHz</p> <p>D1 15.950 dBm D2 -10.050 dBm</p> <p>CF 1.7325 GHz 501 pts Span 10.0 MHz</p> <p>Date: 2.JUL.2022 13:49:55</p>
Highest	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 19 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -7.78 dBm 1.7500400 GHz Occ Bw 4.491017964 MHz -0.74 dB 4.9400 MHz</p> <p>D1 17.830 dBm D2 -8.170 dBm</p> <p>CF 1.7525 GHz 501 pts Span 10.0 MHz</p> <p>Date: 2.JUL.2022 13:50:17</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 19 μs VBW 300 kHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -9.52 dBm 1.7500000 GHz Occ Bw 4.510978044 MHz -0.06 dB 4.9800 MHz</p> <p>D1 16.000 dBm D2 -10.000 dBm</p> <p>CF 1.7525 GHz 501 pts Span 10.0 MHz</p> <p>Date: 2.JUL.2022 13:50:37</p>

Occupied Bandwidth

Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest	<p>10MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 38 μs VBW 300 kHz Mode Auto FFT</p> <p>M1[1] -11.19 dBm 1.7101600 GHz 8.942115768 MHz Occ Bw 9.6400 MHz D1[1] -0.46 dB</p> <p>D1 14.520 dBm D2 -11.480 dBm</p> <p>CF 1.715 GHz 501 pts Span 20.0 MHz</p> <p>Date: 2.JUL.2022 13:51:09</p>	<p>10MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 38 μs VBW 300 kHz Mode Auto FFT</p> <p>M1[1] -10.94 dBm 1.7102400 GHz 8.942115768 MHz Occ Bw 9.6000 MHz D1[1] -1.03 dB</p> <p>D1 14.270 dBm D2 -11.730 dBm</p> <p>CF 1.715 GHz 501 pts Span 20.0 MHz</p> <p>Date: 2.JUL.2022 13:51:34</p>
Middle	<p>10MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 38 μs VBW 300 kHz Mode Auto FFT</p> <p>M1[1] -11.14 dBm 1.7277000 GHz 8.942115768 MHz Occ Bw 9.6400 MHz D1[1] -0.53 dB</p> <p>D1 14.620 dBm D2 -11.380 dBm</p> <p>CF 1.7325 GHz 501 pts Span 20.0 MHz</p> <p>Date: 2.JUL.2022 13:52:00</p>	<p>10MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 38 μs VBW 300 kHz Mode Auto FFT</p> <p>M1[1] -11.05 dBm 1.7277000 GHz 8.942115768 MHz Occ Bw 9.6400 MHz D1[1] -0.96 dB</p> <p>D1 13.740 dBm D2 -12.260 dBm</p> <p>CF 1.7325 GHz 501 pts Span 20.0 MHz</p> <p>Date: 2.JUL.2022 13:52:28</p>
Highest	<p>10MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 38 μs VBW 300 kHz Mode Auto FFT</p> <p>M1[1] -12.20 dBm 1.7451200 GHz 8.942115768 MHz Occ Bw 9.7200 MHz D1[1] 1.22 dB</p> <p>D1 14.390 dBm D2 -11.610 dBm</p> <p>CF 1.75 GHz 501 pts Span 20.0 MHz</p> <p>Date: 2.JUL.2022 13:52:53</p>	<p>10MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 100 kHz Att 45 dB SWT 38 μs VBW 300 kHz Mode Auto FFT</p> <p>M1[1] -11.66 dBm 1.7451600 GHz 8.942115768 MHz Occ Bw 9.6400 MHz D1[1] 0.53 dB</p> <p>D1 14.200 dBm D2 -11.800 dBm</p> <p>CF 1.75 GHz 501 pts Span 20.0 MHz</p> <p>Date: 2.JUL.2022 13:53:21</p>

Occupied Bandwidth

Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	<p>15MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 12.7 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -8.49 dBm 1.7101200 GHz 13.473053892 MHz Occ Bw 14.8200 MHz 0.05 dB</p> <p>D1 18.210 dBm D2 -7.790 dBm</p> <p>CF 1.7175 GHz 501 pts Span 30.0 MHz</p> <p>Date: 2.JUL.2022 13:54:06</p>	<p>15MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 12.7 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -9.63 dBm 1.7101800 GHz 13.473053892 MHz Occ Bw 14.7000 MHz -0.56 dB</p> <p>D1 16.600 dBm D2 -9.400 dBm</p> <p>CF 1.7175 GHz 501 pts Span 30.0 MHz</p> <p>Date: 2.JUL.2022 13:54:29</p>
Middle	<p>15MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 12.7 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -7.81 dBm 1.7252400 GHz 13.413179653 MHz Occ Bw 14.5800 MHz -0.84 dB</p> <p>D1 17.320 dBm D2 -8.680 dBm</p> <p>CF 1.7325 GHz 501 pts Span 30.0 MHz</p> <p>Date: 2.JUL.2022 13:54:59</p>	<p>15MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 12.7 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -9.48 dBm 1.7251800 GHz 13.532934132 MHz Occ Bw 14.7000 MHz -1.02 dB</p> <p>D1 16.340 dBm D2 -9.650 dBm</p> <p>CF 1.7325 GHz 501 pts Span 30.0 MHz</p> <p>Date: 2.JUL.2022 13:55:22</p>
Highest	<p>15MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 12.7 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -8.42 dBm 1.7400600 GHz 13.532934132 MHz Occ Bw 14.7600 MHz 0.29 dB</p> <p>D1 17.140 dBm D2 -8.660 dBm</p> <p>CF 1.7475 GHz 501 pts Span 30.0 MHz</p> <p>Date: 2.JUL.2022 13:55:49</p>	<p>15MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 12.7 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -10.06 dBm 1.7400600 GHz 13.532934132 MHz Occ Bw 14.7600 MHz -0.97 dB</p> <p>D1 16.550 dBm D2 -9.450 dBm</p> <p>CF 1.7475 GHz 501 pts Span 30.0 MHz</p> <p>Date: 2.JUL.2022 13:56:15</p>

Occupied Bandwidth

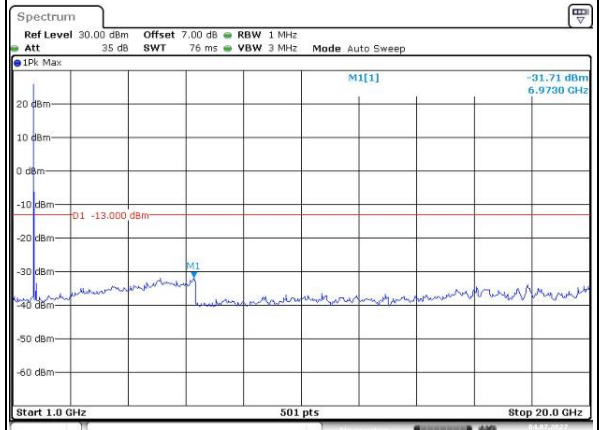
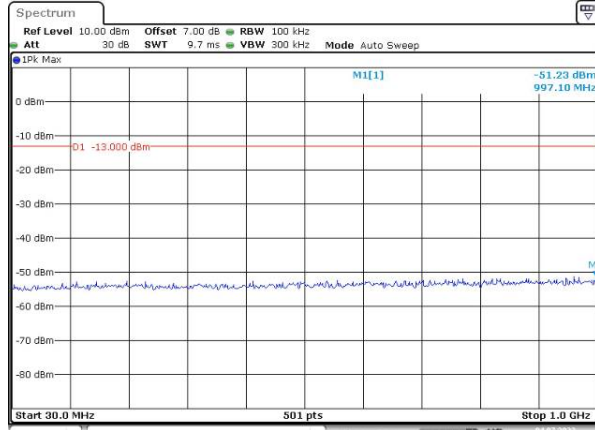
Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -9.88 dBm Occ Bw 17.964071856 MHz D1[1] -0.96 dB</p> <p>D1 15.770 dBm D2 -10.230 dBm</p> <p>CF 1.72 GHz 501 pts Span 40.0 MHz</p> <p>Date: 2.JUL.2022 13:56:50</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -11.19 dBm Occ Bw 17.964071856 MHz D1[1] -1.59 dB</p> <p>D1 15.760 dBm D2 -10.240 dBm</p> <p>CF 1.72 GHz 501 pts Span 40.0 MHz</p> <p>Date: 2.JUL.2022 13:57:19</p>
Middle	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -8.19 dBm Occ Bw 17.884231537 MHz D1[1] -1.49 dB</p> <p>D1 16.900 dBm D2 -9.100 dBm</p> <p>CF 1.7325 GHz 501 pts Span 40.0 MHz</p> <p>Date: 2.JUL.2022 13:57:43</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -10.57 dBm Occ Bw 17.884231537 MHz D1[1] -0.54 dB</p> <p>D1 15.600 dBm D2 -10.400 dBm</p> <p>CF 1.7325 GHz 501 pts Span 40.0 MHz</p> <p>Date: 2.JUL.2022 13:58:12</p>
Highest	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -9.28 dBm Occ Bw 18.043912176 MHz D1[1] -1.64 dB</p> <p>D1 15.920 dBm D2 -10.080 dBm</p> <p>CF 1.745 GHz 501 pts Span 40.0 MHz</p> <p>Date: 2.JUL.2022 13:58:42</p>	<p>Ref Level 30.00 dBm Offset 7.00 dB RBW 300 kHz Att 45 dB SWT 18.9 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -10.51 dBm Occ Bw 17.884231537 MHz D1[1] -0.96 dB</p> <p>D1 15.920 dBm D2 -10.080 dBm</p> <p>CF 1.745 GHz 501 pts Span 40.0 MHz</p> <p>Date: 2.JUL.2022 13:59:24</p>

Spurious Emissions at Antenna Terminal

Channel

1.4MHz Bandwidth QPSK

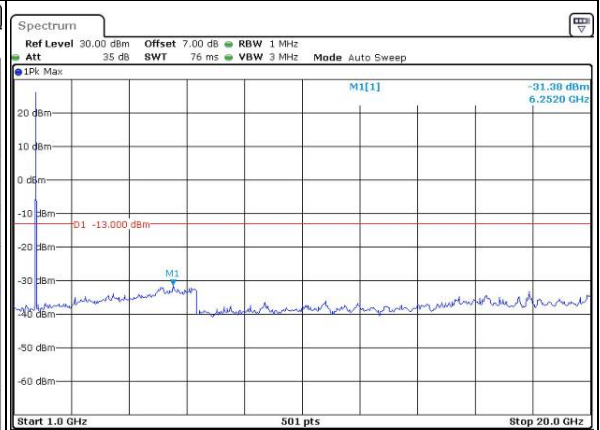
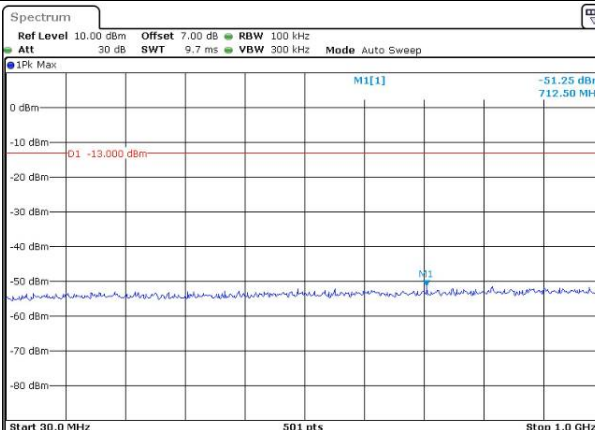
Lowest



Date: 4.JUL.2022 12:17:48

Date: 4.JUL.2022 12:18:07

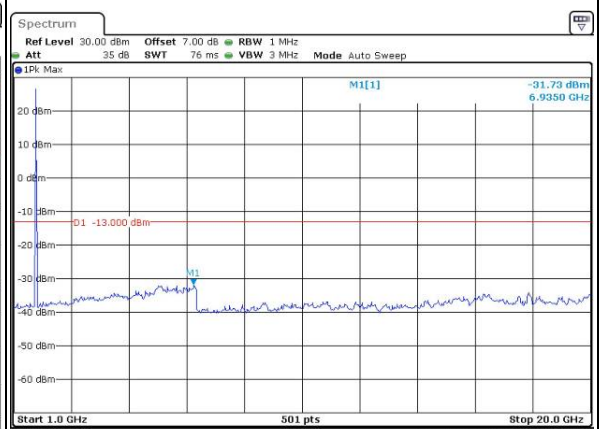
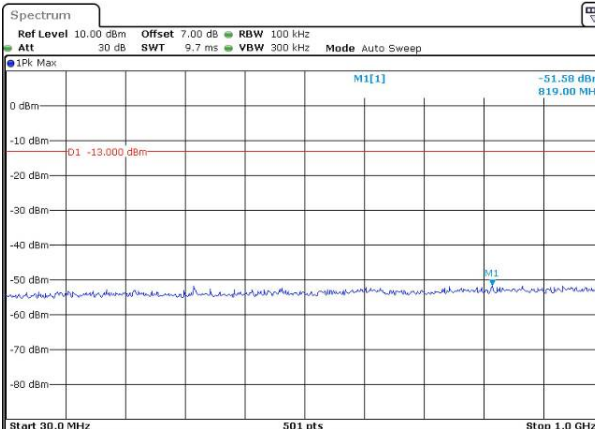
Middle



Date: 4.JUL.2022 12:18:40

Date: 4.JUL.2022 12:19:02

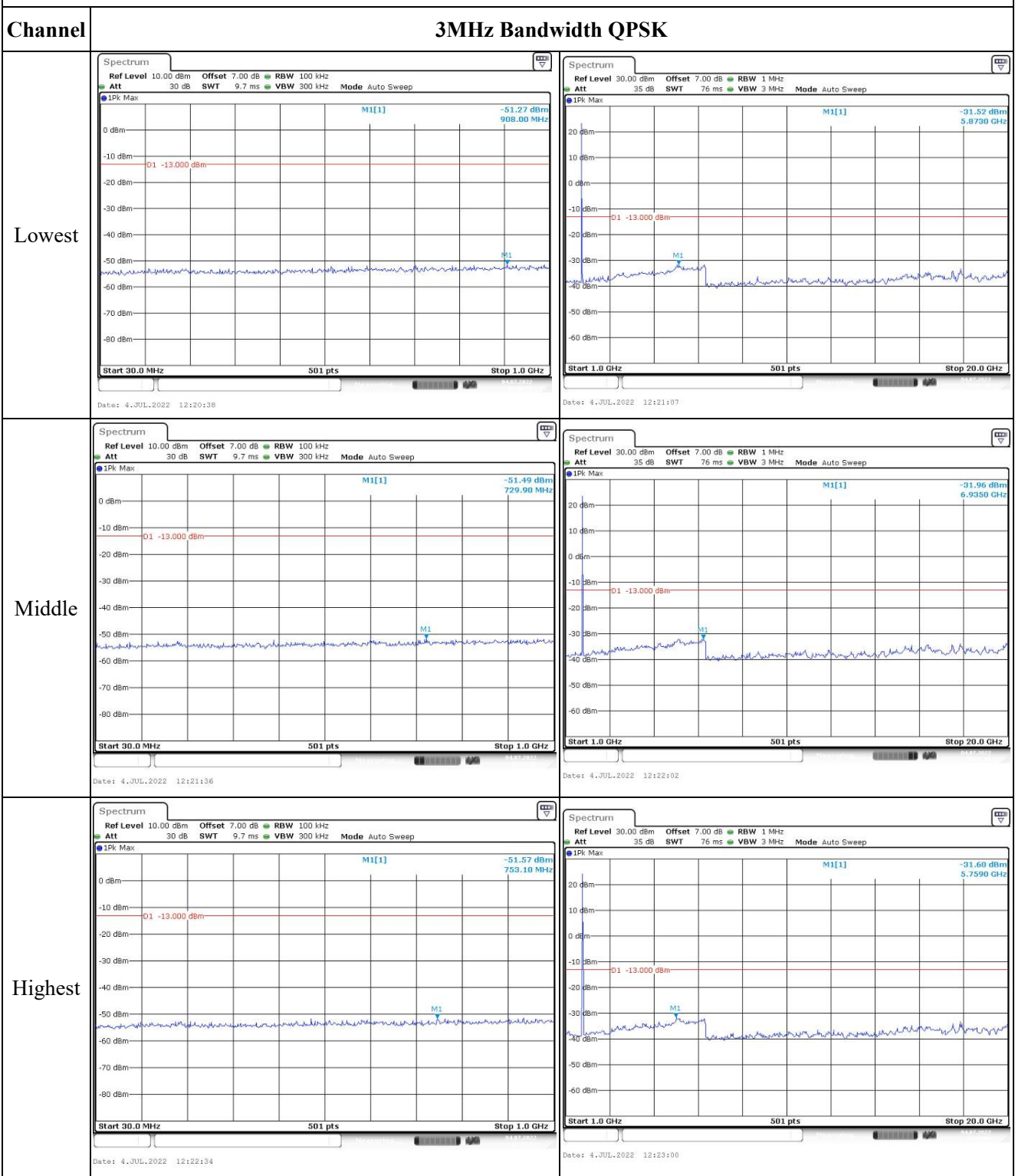
Highest



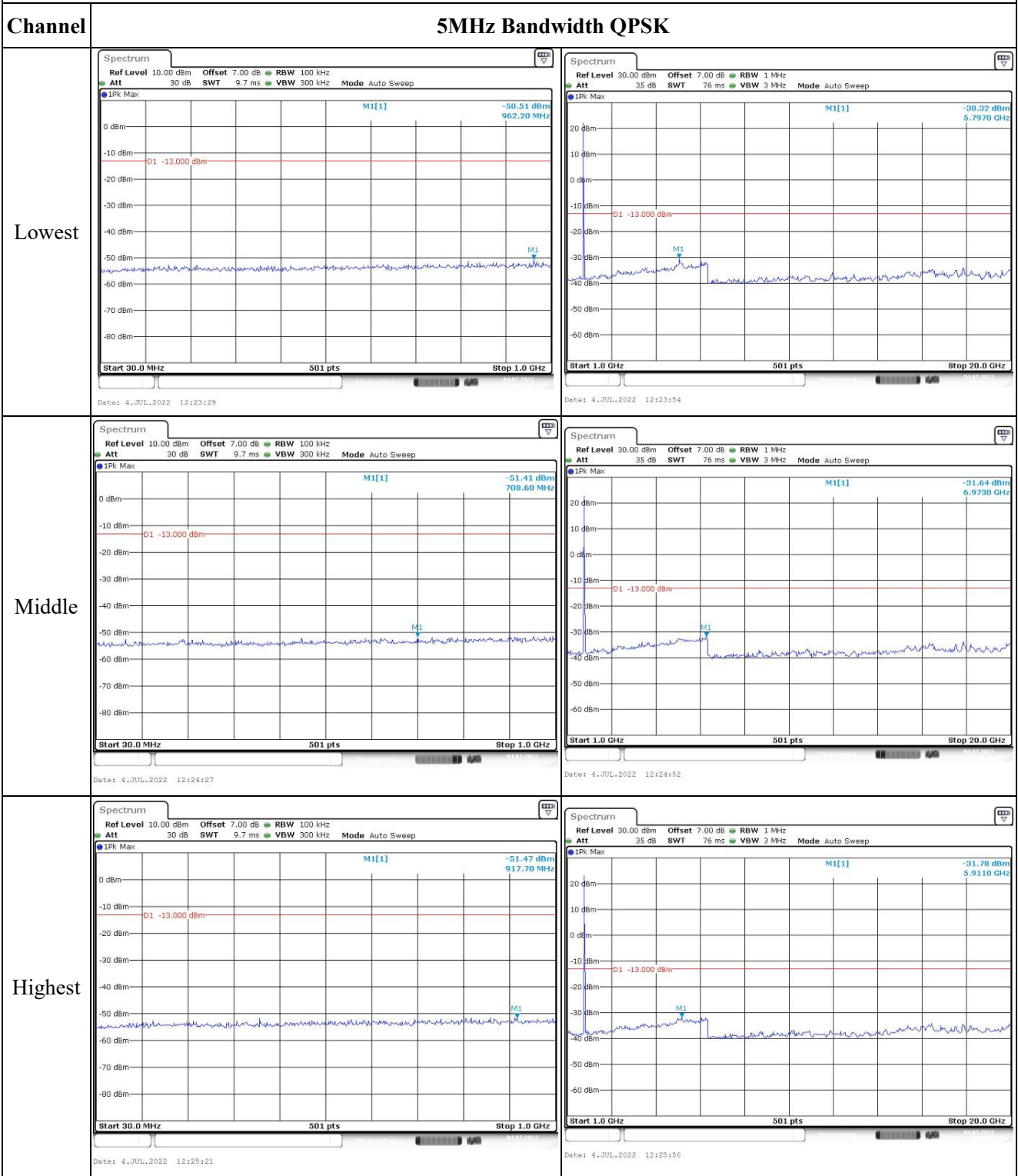
Date: 4.JUL.2022 12:19:38

Date: 4.JUL.2022 12:20:03

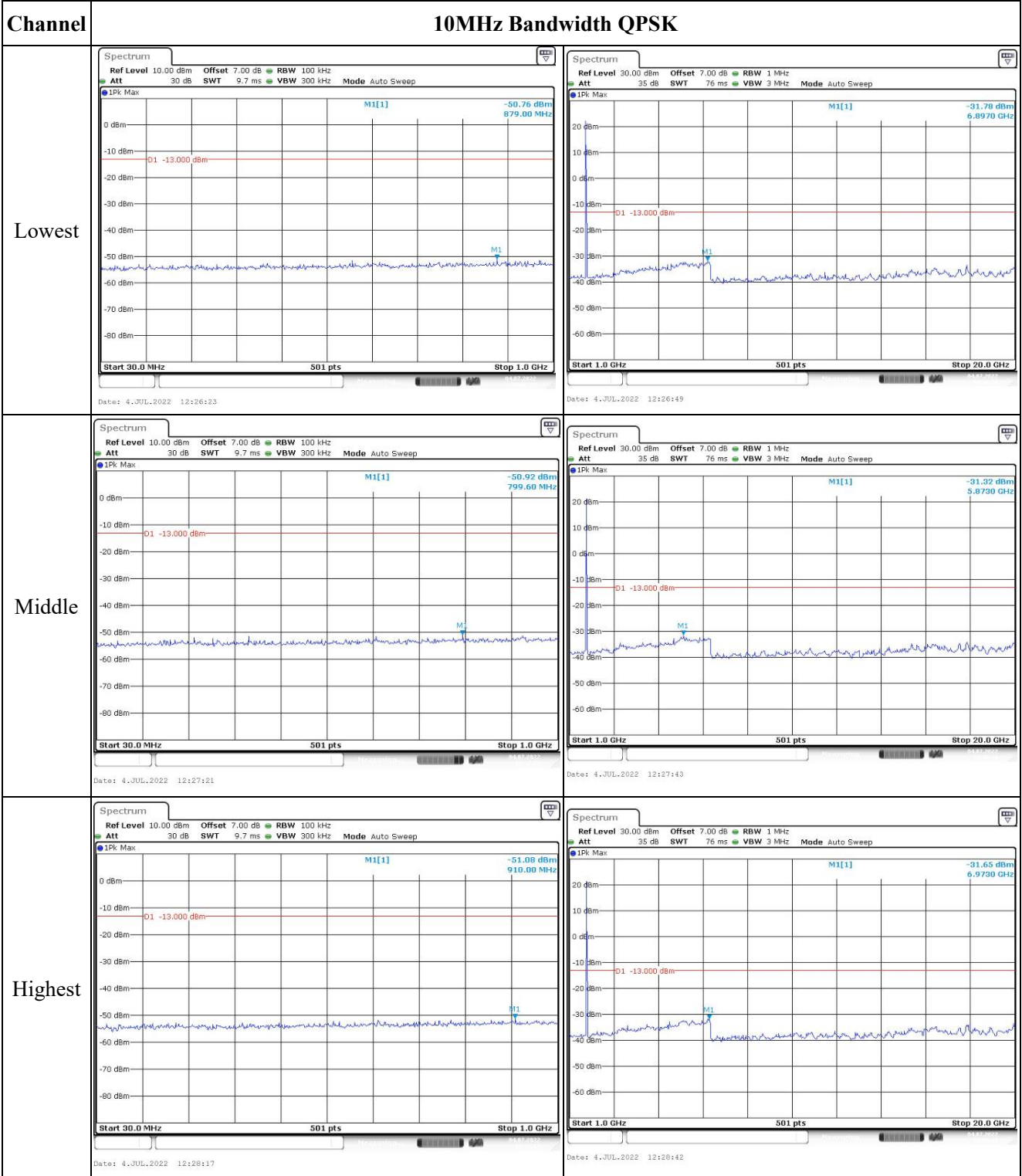
Spurious Emissions at Antenna Terminal



Spurious Emissions at Antenna Terminal



Spurious Emissions at Antenna Terminal

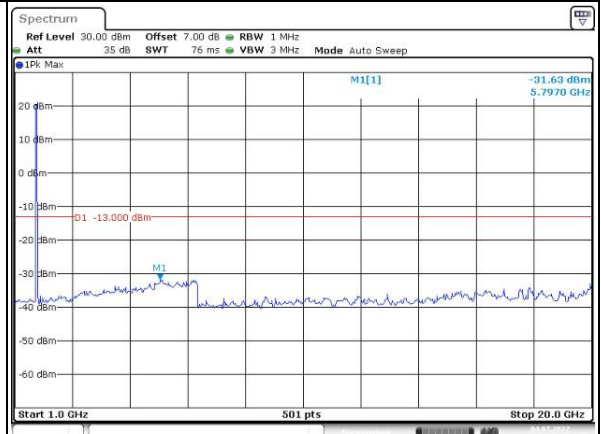
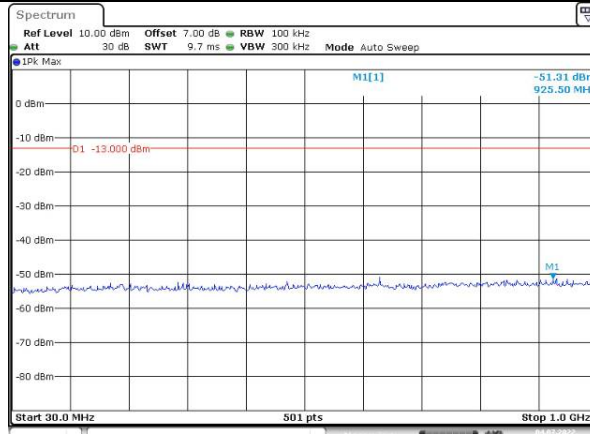


Spurious Emissions at Antenna Terminal

Channel

15MHz Bandwidth QPSK

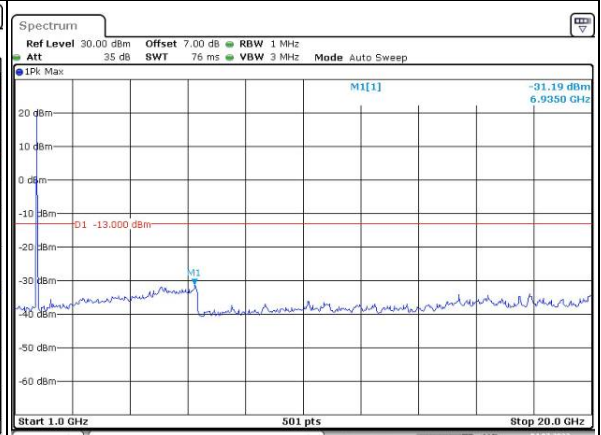
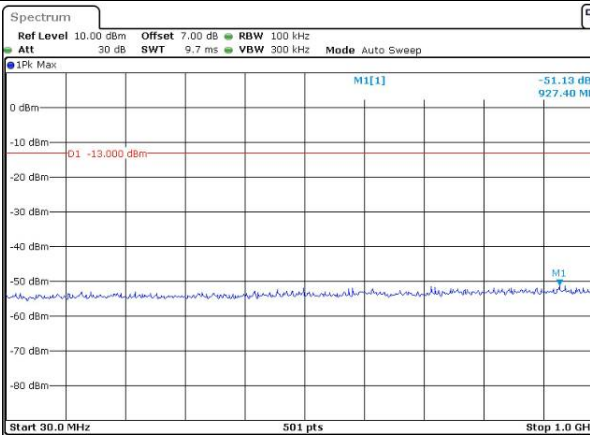
Lowest



Date: 4.JUL.2022 12:29:23

Date: 4.JUL.2022 12:29:48

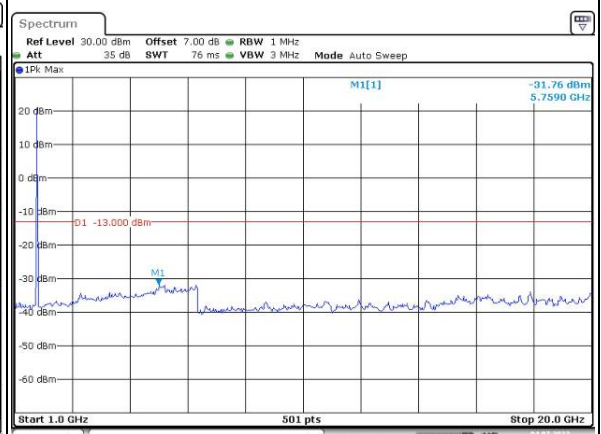
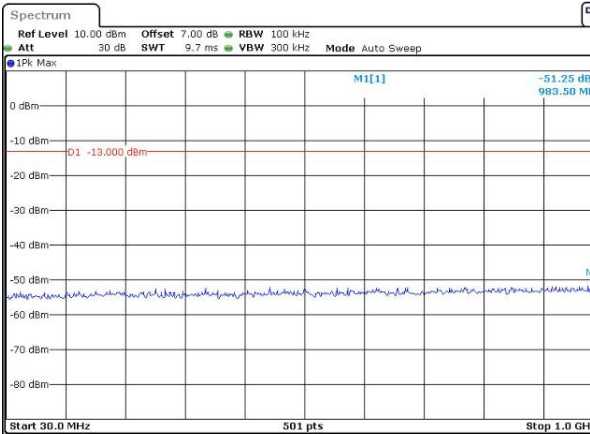
Middle



Date: 4.JUL.2022 12:30:20

Date: 4.JUL.2022 12:30:42

Highest



Date: 4.JUL.2022 12:31:14

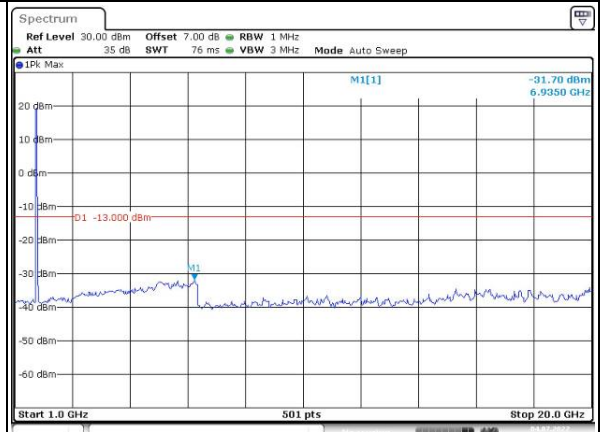
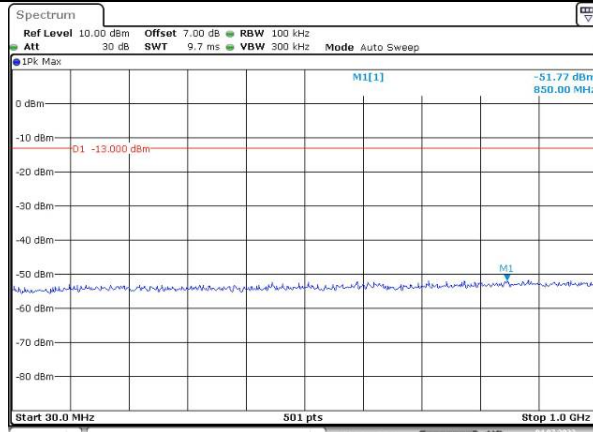
Date: 4.JUL.2022 12:31:39

Spurious Emissions at Antenna Terminal

Channel

20MHz Bandwidth QPSK

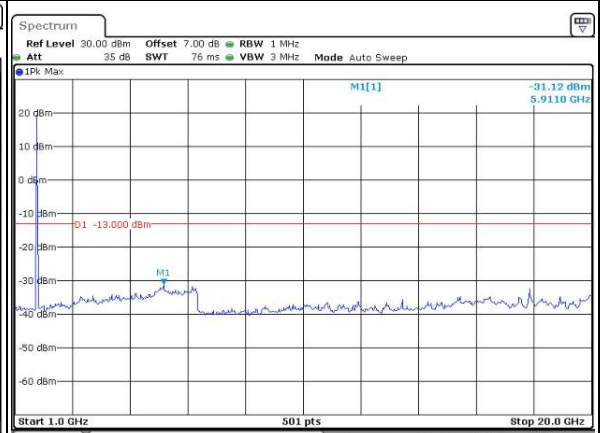
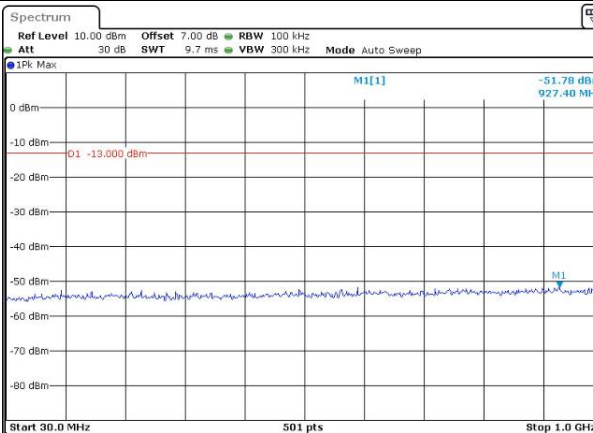
Lowest



Date: 4.JUL.2022 12:32:13

Date: 4.JUL.2022 12:32:32

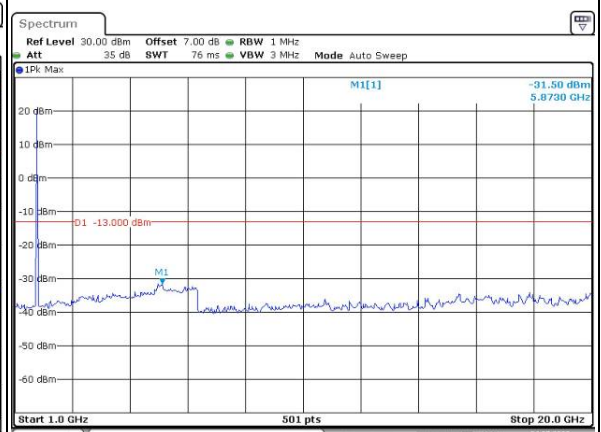
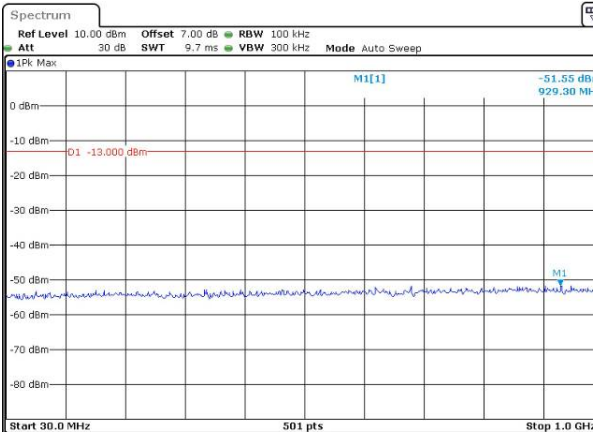
Middle



Date: 4.JUL.2022 12:33:04

Date: 4.JUL.2022 12:33:29

Highest



Date: 4.JUL.2022 12:34:01

Date: 4.JUL.2022 12:34:29