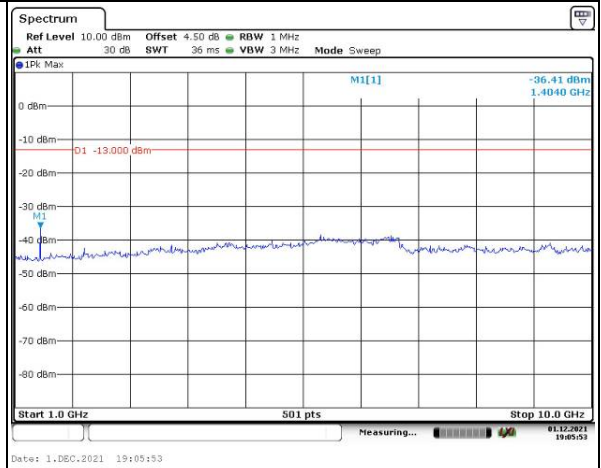
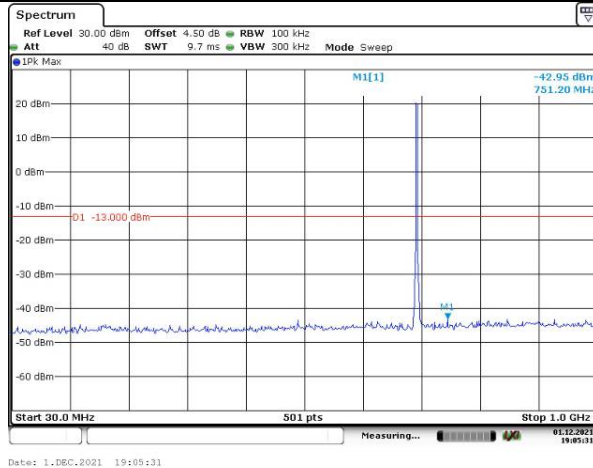


Spurious Emissions at Antenna Terminal

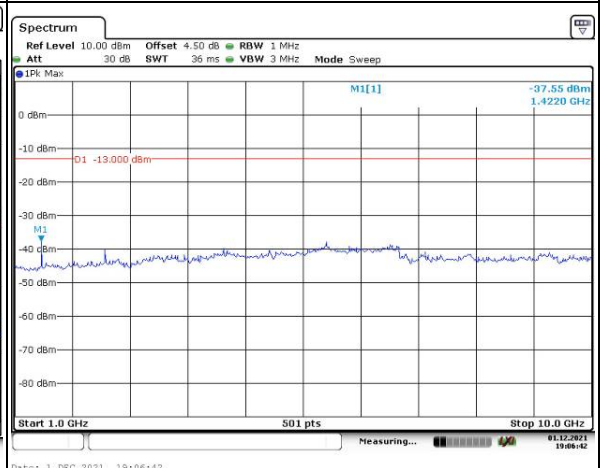
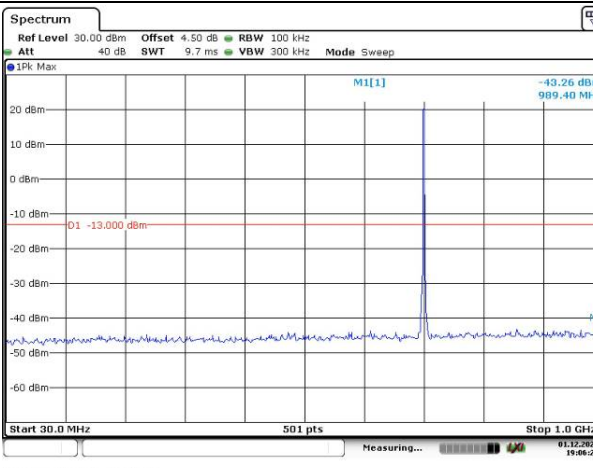
Channel

1.4MHz Bandwidth QPSK

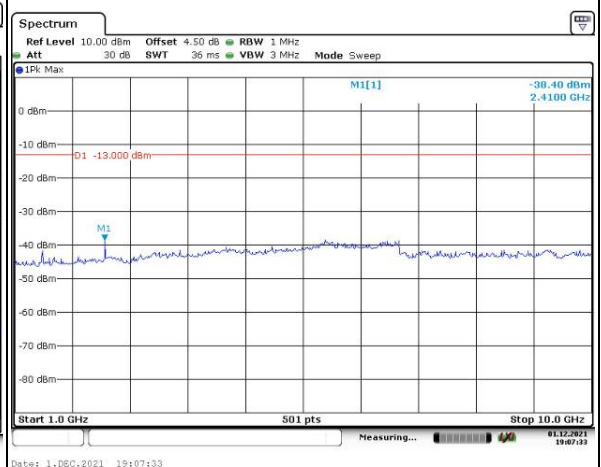
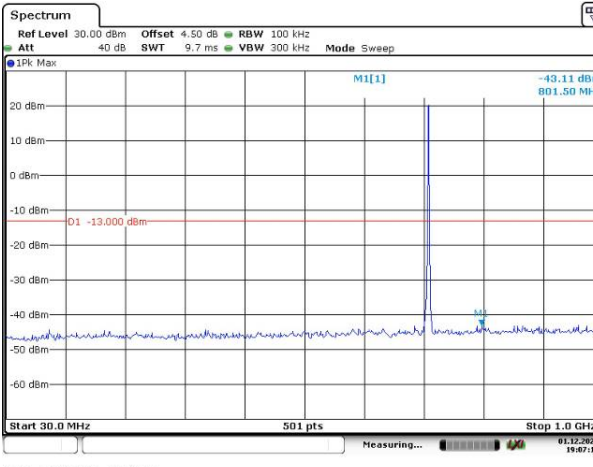
Lowest



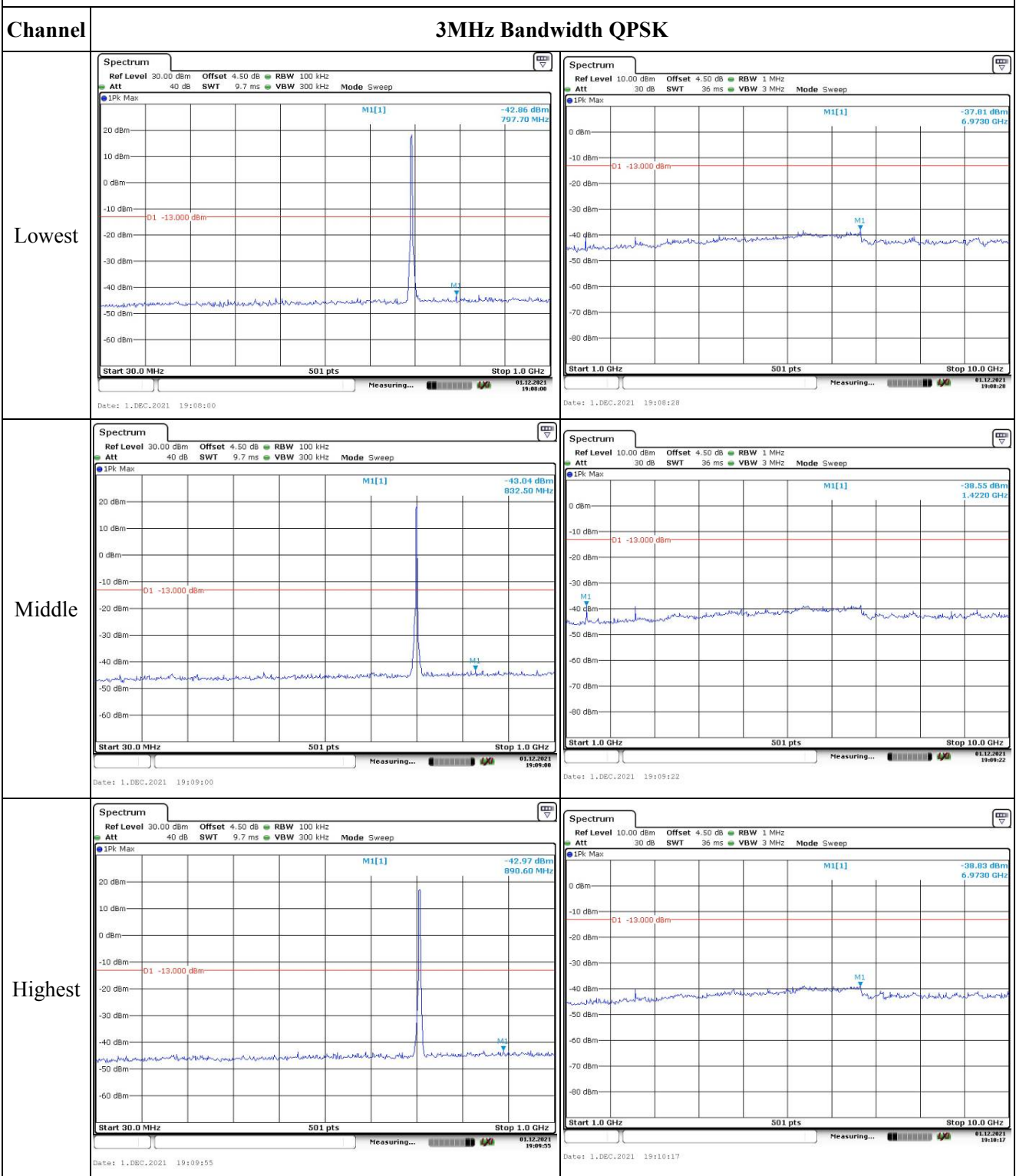
Middle



Highest



Spurious Emissions at Antenna Terminal

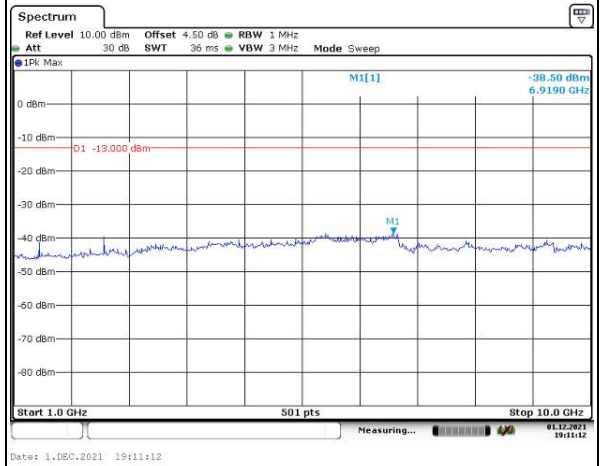
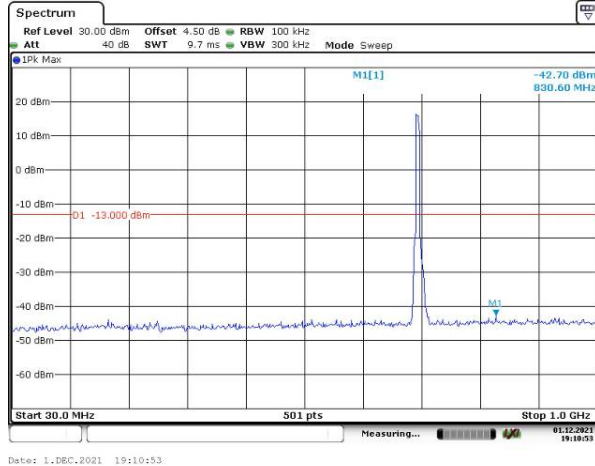


Spurious Emissions at Antenna Terminal

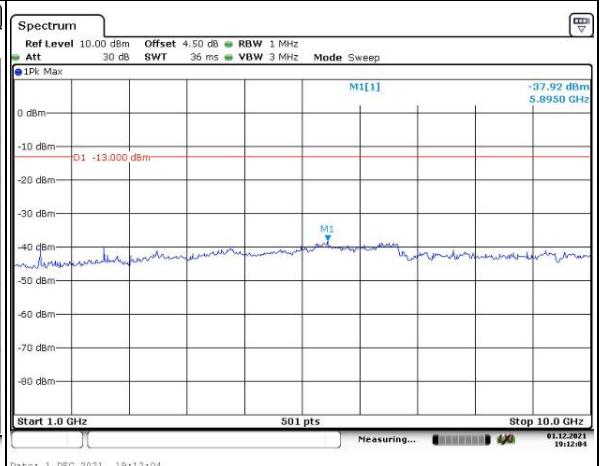
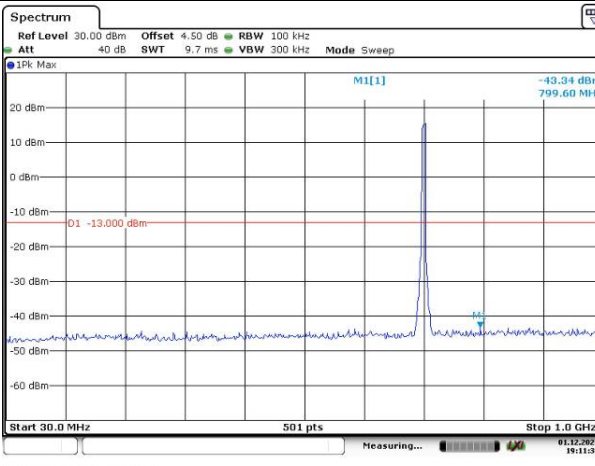
Channel

5MHz Bandwidth QPSK

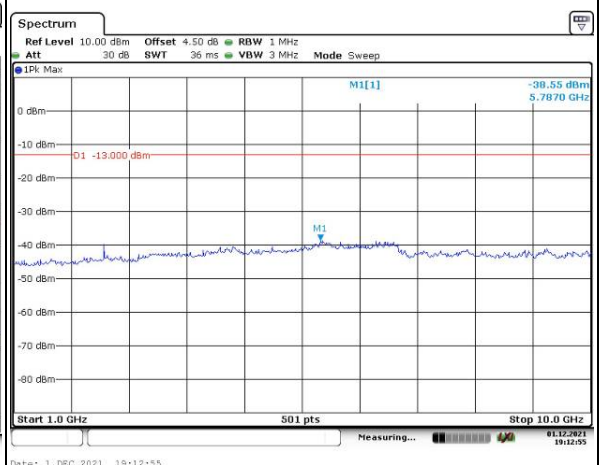
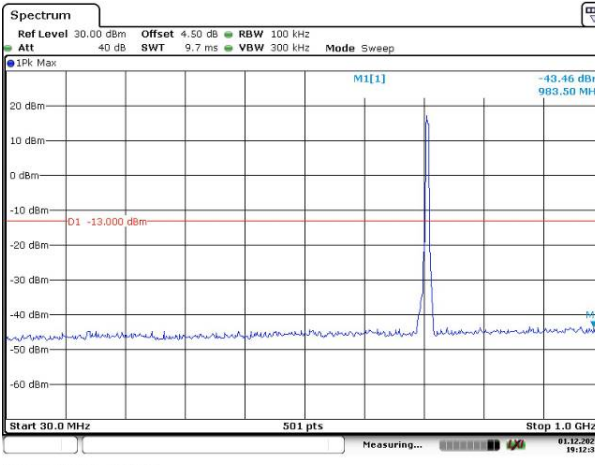
Lowest



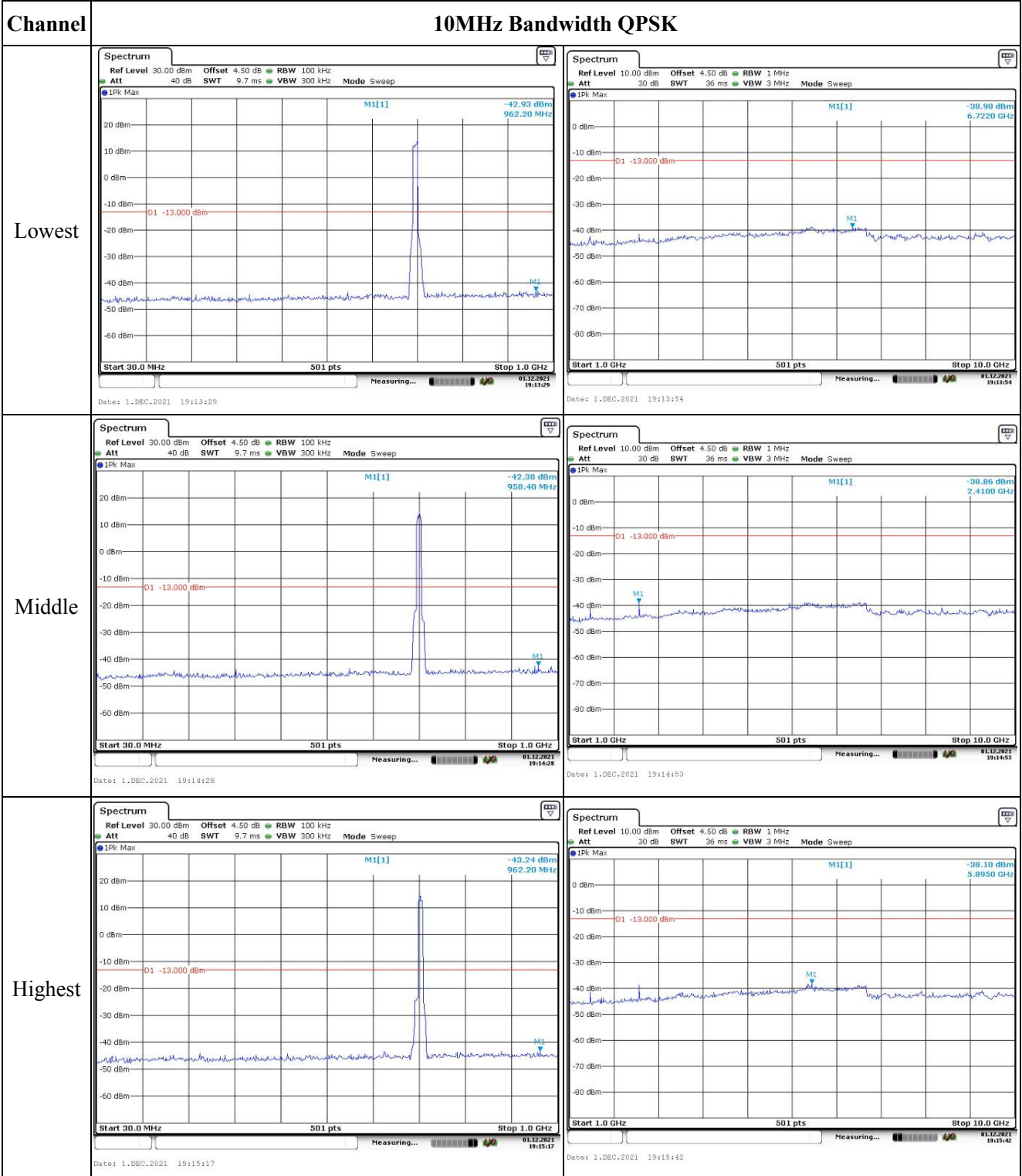
Middle



Highest



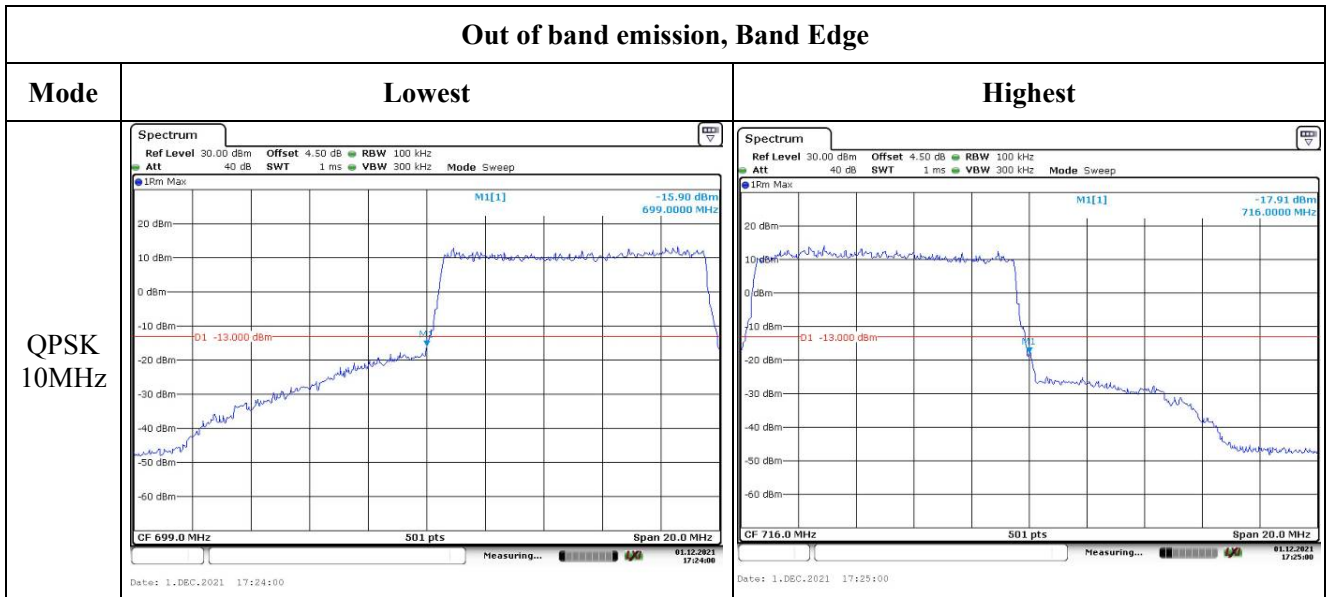
Spurious Emissions at Antenna Terminal



Out of band emission, Band Edge

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

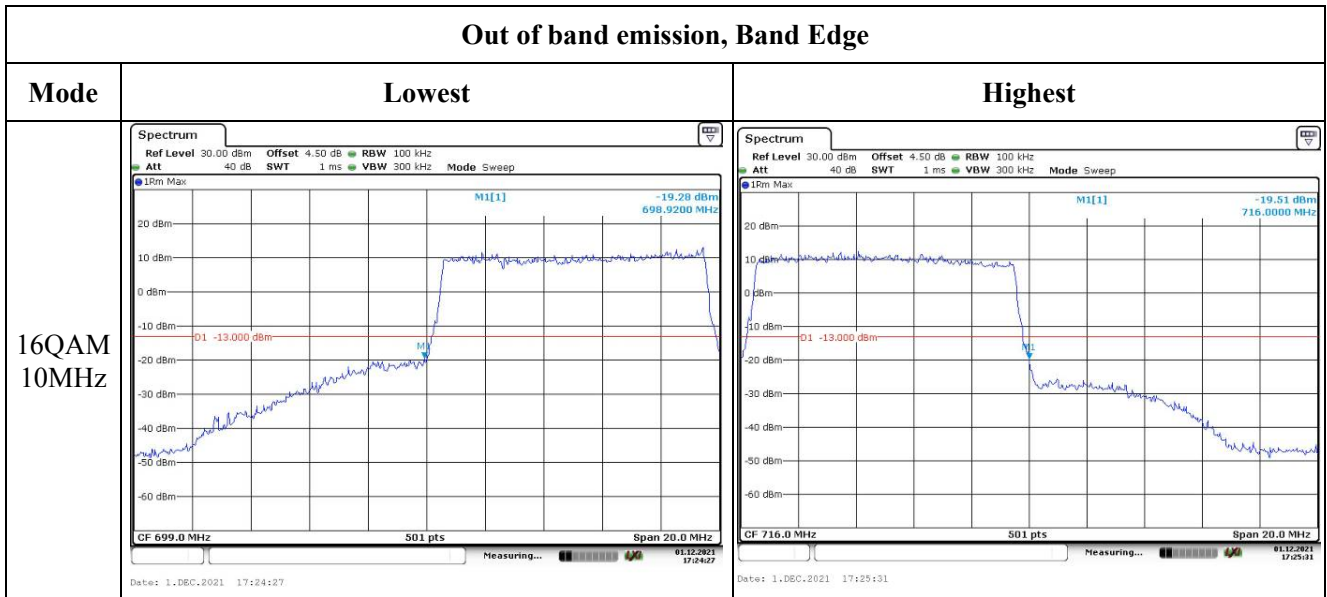
Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 1.4MHz	<p>Spectrum Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 1.1 ms VBW 100 kHz Mode Sweep M1[1] -17.15 dBm 699.00000 MHz D1 -13.000 dBm CF 699.0 MHz 501 pts Span 3.0 MHz Date: 1.DEC.2021 17:19:28</p>	<p>Spectrum Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 1.1 ms VBW 100 kHz Mode Sweep M1[1] -17.19 dBm 716.00000 MHz D1 -13.000 dBm CF 716.0 MHz 501 pts Span 3.0 MHz Date: 1.DEC.2021 17:20:03</p>
16QAM 3MHz	<p>Spectrum Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 1.1 ms VBW 100 kHz Mode Sweep M1[1] -17.51 dBm 699.00000 MHz D1 -13.000 dBm CF 699.0 MHz 501 pts Span 6.0 MHz Date: 1.DEC.2021 17:20:55</p>	<p>Spectrum Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 1.1 ms VBW 100 kHz Mode Sweep M1[1] -17.31 dBm 716.00000 MHz D1 -13.000 dBm CF 716.0 MHz 501 pts Span 6.0 MHz Date: 1.DEC.2021 17:21:30</p>
16QAM 5MHz	<p>Spectrum Ref Level 30.00 dBm Offset 4.50 dB RBW 100 kHz Att 40 dB SWT 20 ms VBW 300 kHz Mode Sweep M1[1] -16.05 dBm 699.00000 MHz D1 -13.000 dBm CF 699.0 MHz 501 pts Span 10.0 MHz Date: 14.DEC.2021 16:29:28</p>	<p>Spectrum Ref Level 30.00 dBm Offset 4.50 dB RBW 100 kHz Att 40 dB SWT 20 ms VBW 300 kHz Mode Sweep M1[1] -16.68 dBm 716.00000 MHz D1 -13.000 dBm CF 716.0 MHz 501 pts Span 10.0 MHz Date: 14.DEC.2021 16:30:22</p>

Out of band emission, Band Edge



4.11 Antenna Port Test Data and Results for LTE Band 13:

Serial Number:	CR21110087-S1	Test Date:	2021/12/01~2021/12/17
Test Site:	RF	Test Mode:	Transmitting
Tester:	Wolf Mo	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.3~24	Relative Humidity: (%)	31~59	ATM Pressure: (kPa)	101.3~101.5
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	Spectrum Analyzer	101474	2021/7/22	2022/7/21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D09	N/A	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2021/7/22	2022/7/21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021/7/22	2022/7/22
UNI-T	Multimeter	UT39A+	C210582554	2021/9/30	2022/9/30
E-Microwave	Two-way Splitter	ODP-1-6	OE0120176	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 13▲:

Antenna Gain (dBi):	3	Antenna Gain (dBd):	0.85	Cable Loss (dB):	0.1
Operation Voltage(V _{DC}):					
Lowest:	3.5	Normal:	3.7	Highest:	4.2

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
5MHz	779.5	782	784.5
10MHz	/	782	/

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		
5MHz QPSK	RB1#0	23.55	23.68	23.40	24.43	34.77
	RB1#13	23.27	23.27	23.41		
	RB1#24	23.49	23.04	23.39		
	RB15#0	22.58	22.51	22.54		
	RB15#10	22.49	22.47	22.53		
	RB25#0	22.65	22.56	22.56		
5MHz 16QAM	RB1#0	22.03	22.63	22.66	23.41	34.77
	RB1#13	21.51	22.44	22.47		
	RB1#24	21.72	22.41	22.61		
	RB15#0	21.41	21.27	21.34		
	RB15#10	21.34	21.25	21.36		
	RB25#0	21.66	21.54	21.55		
10MHz QPSK	RB1#0	/	23.60	/	24.42	34.77
	RB1#25	/	23.67	/		
	RB1#49	/	23.39	/		
	RB25#0	/	22.61	/		
	RB25#25	/	22.53	/		
	RB50#0	/	22.56	/		
10MHz 16QAM	RB1#0	/	22.77	/	23.52	34.77
	RB1#25	/	22.56	/		
	RB1#49	/	22.48	/		
	RB25#0	/	21.49	/		
	RB25#25	/	21.43	/		
	RB50#0	/	21.54	/		

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

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	
10MHz QPSK	RB1#0		3.65		13
	RB50#0		4.99		13
10MHz 16QAM	RB1#0	/	4.81	/	13
	RB50#0	/	6.06	/	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
5MHz QPSK	4.531	4.511	4.511	5.060	5.040	5.020
5MHz 16QAM	4.531	4.531	4.511	5.040	5.040	5.040
10MHz QPSK	/	8.942	/	/	9.760	/
10MHz 16QAM	/	8.942	/	/	9.680	/
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.

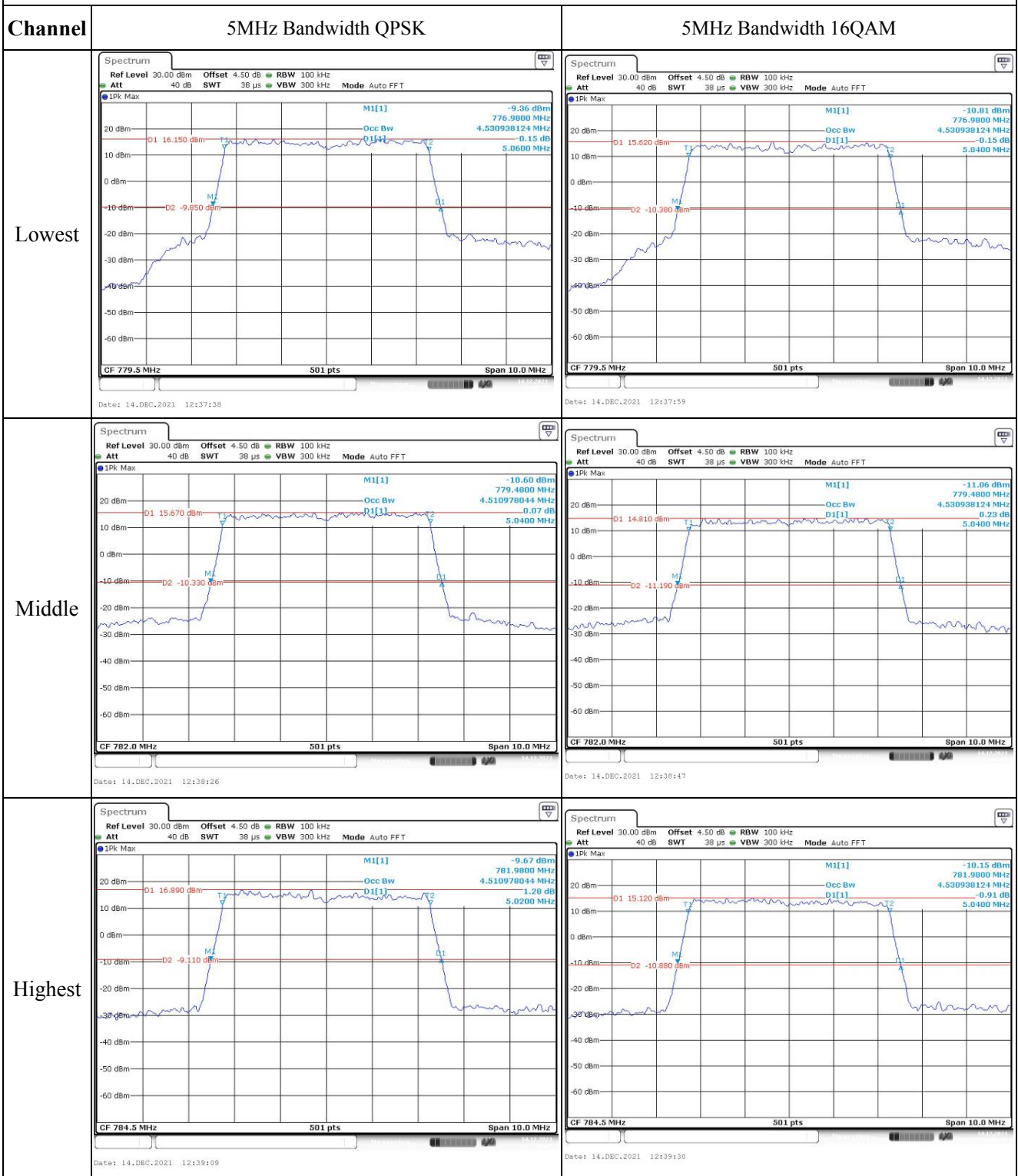
FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.

FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	10M 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	3.7	777.528	777.00	786.470	787.00
	-20	3.7	777.528	777.00	786.470	787.00
	-10	3.7	777.529	777.00	786.472	787.00
	0	3.7	777.529	777.00	786.471	787.00
	10	3.7	777.529	777.00	786.470	787.00
	20	3.7	777.529	777.00	786.471	787.00
	30	3.7	777.528	777.00	786.471	787.00
	40	3.7	777.529	777.00	786.471	787.00
	50	3.7	777.527	777.00	786.472	787.00
Frequency Stability vs. Voltage	20	3.5	777.527	777.00	786.472	787.00
	20	4.2	777.529	777.00	786.472	787.00
					Result:	Pass

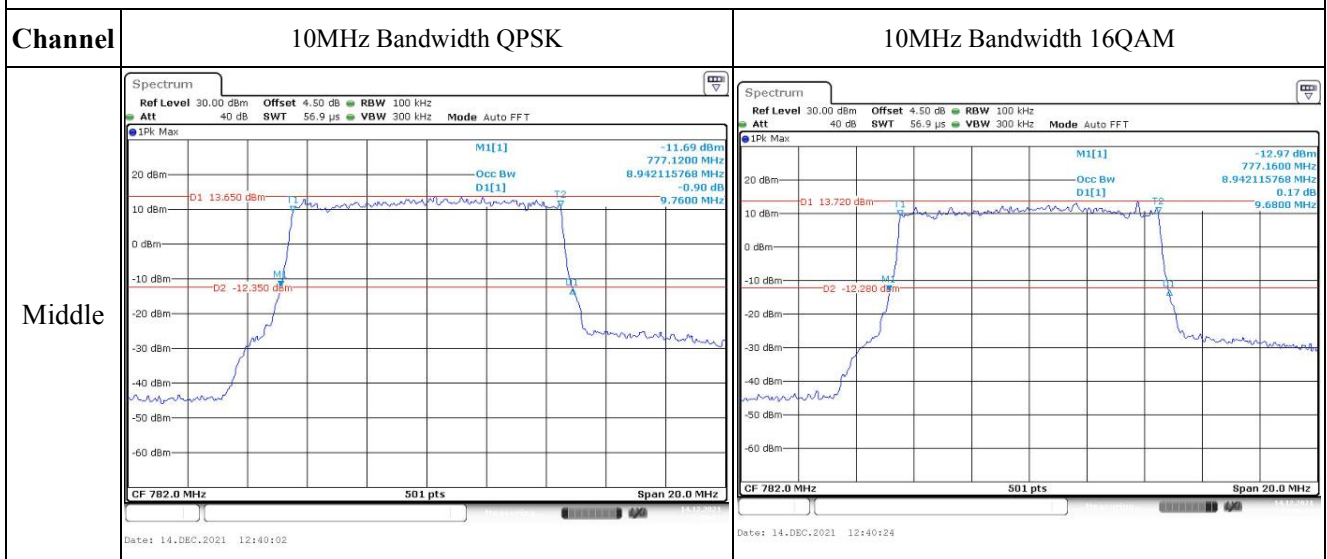
Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	777.528	777.00	786.470	787.00
	-20	3.7	777.528	777.00	786.470	787.00
	-10	3.7	777.529	777.00	786.472	787.00
	0	3.7	777.529	777.00	786.471	787.00
	10	3.7	777.529	777.00	786.470	787.00
	20	3.7	777.529	777.00	786.471	787.00
	30	3.7	777.528	777.00	786.471	787.00
	40	3.7	777.529	777.00	786.471	787.00
	50	3.7	777.527	777.00	786.472	787.00
Frequency Stability vs. Voltage	20	3.5	777.527	777.00	786.472	787.00
	20	4.2	777.529	777.00	786.472	787.00
					Result:	Pass

Test Plots:

Occupied Bandwidth



Occupied Bandwidth

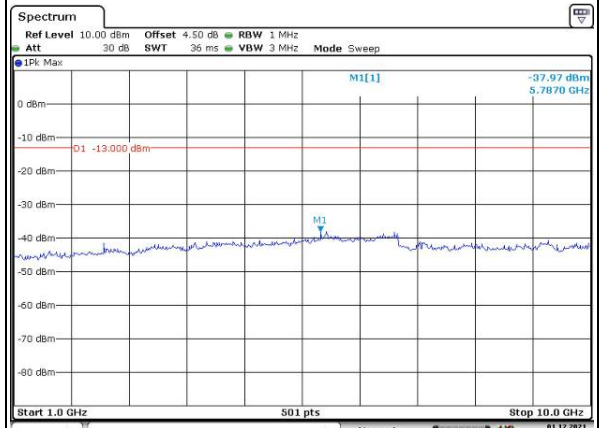
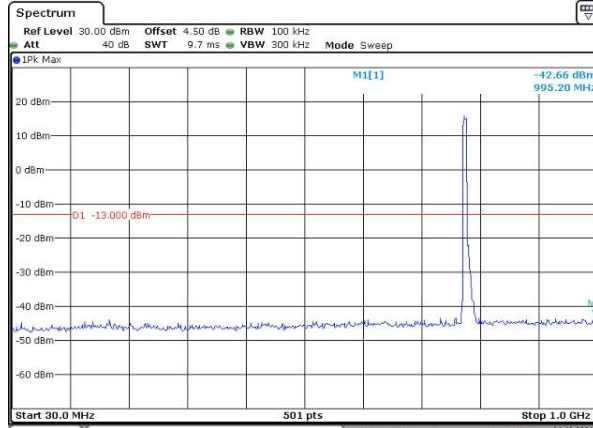


Spurious Emissions at Antenna Terminal

Channel

5MHz Bandwidth QPSK

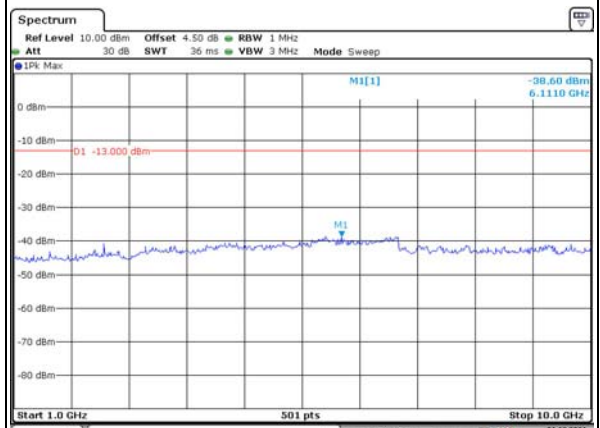
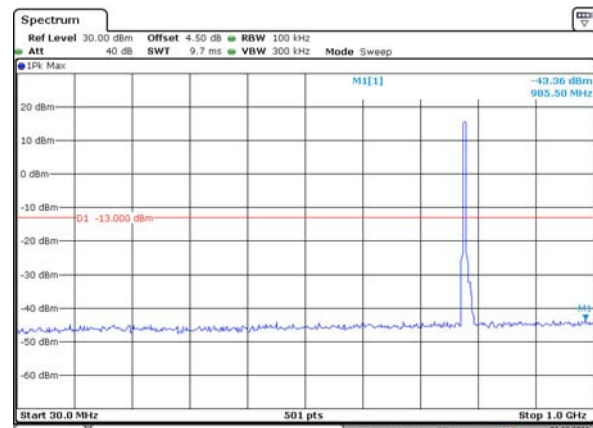
Lowest



Date: 1.DEC.2021 19:16:21

Date: 1.DEC.2021 19:16:47

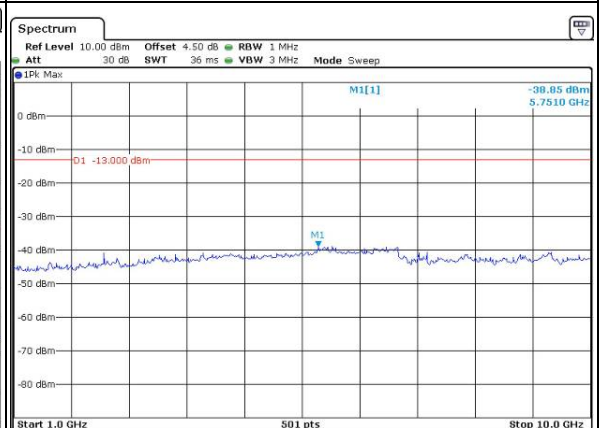
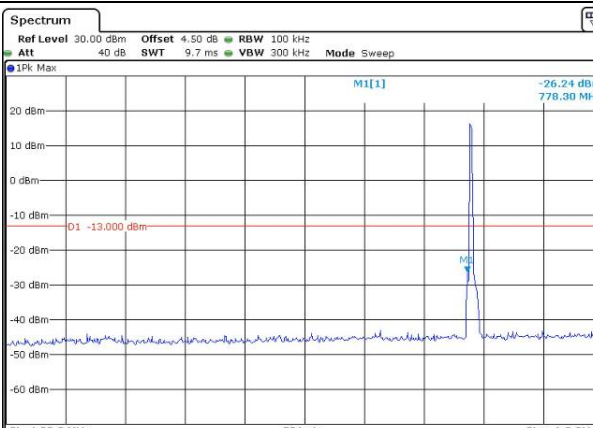
Middle



Date: 1.DEC.2021 19:17:16

Date: 1.DEC.2021 19:17:45

Highest



Date: 1.DEC.2021 19:18:17

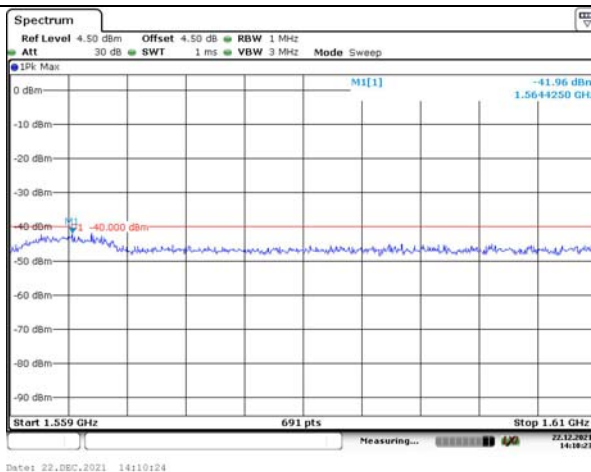
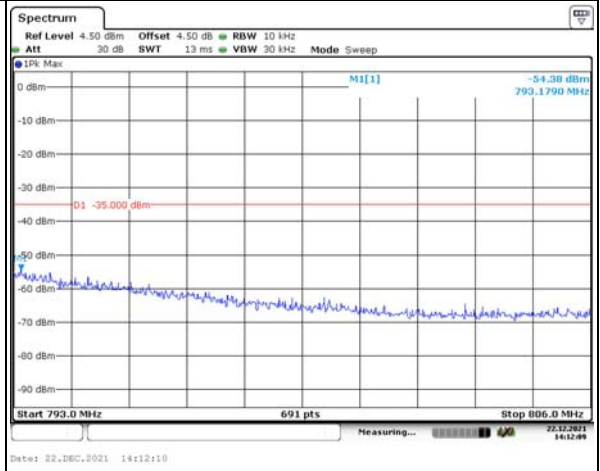
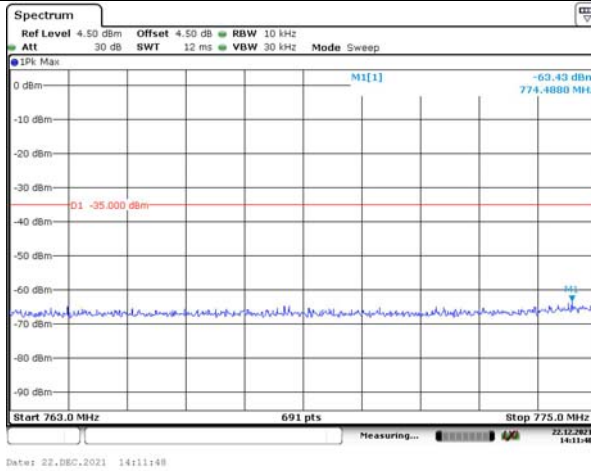
Date: 1.DEC.2021 19:18:39

Spurious Emissions at Antenna Terminal

Channel

5MHz Bandwidth QPSK-Additional Frequency Band

Middle

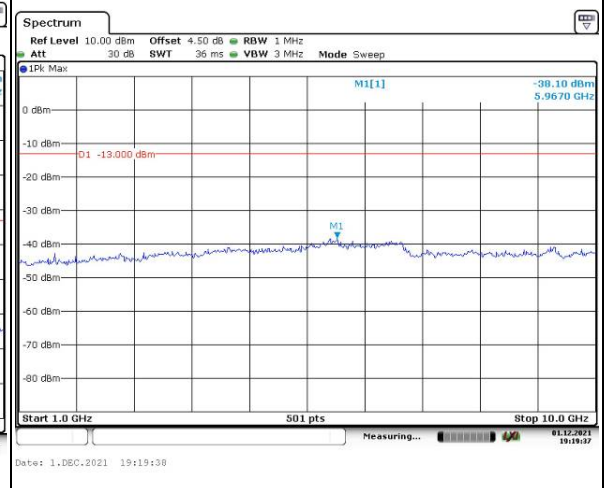
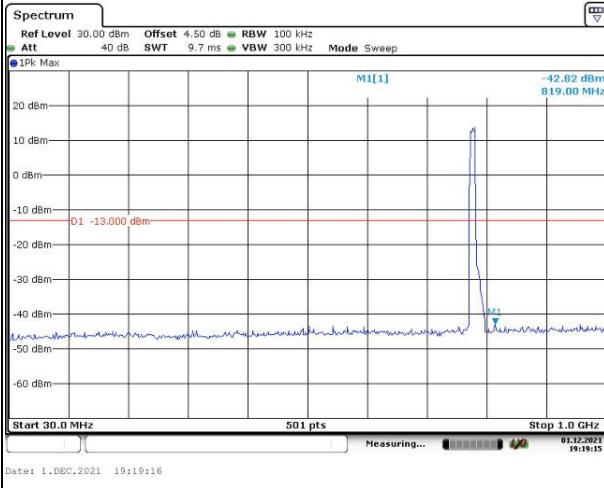


Spurious Emissions at Antenna Terminal

Channel

10MHz Bandwidth QPSK

Middle

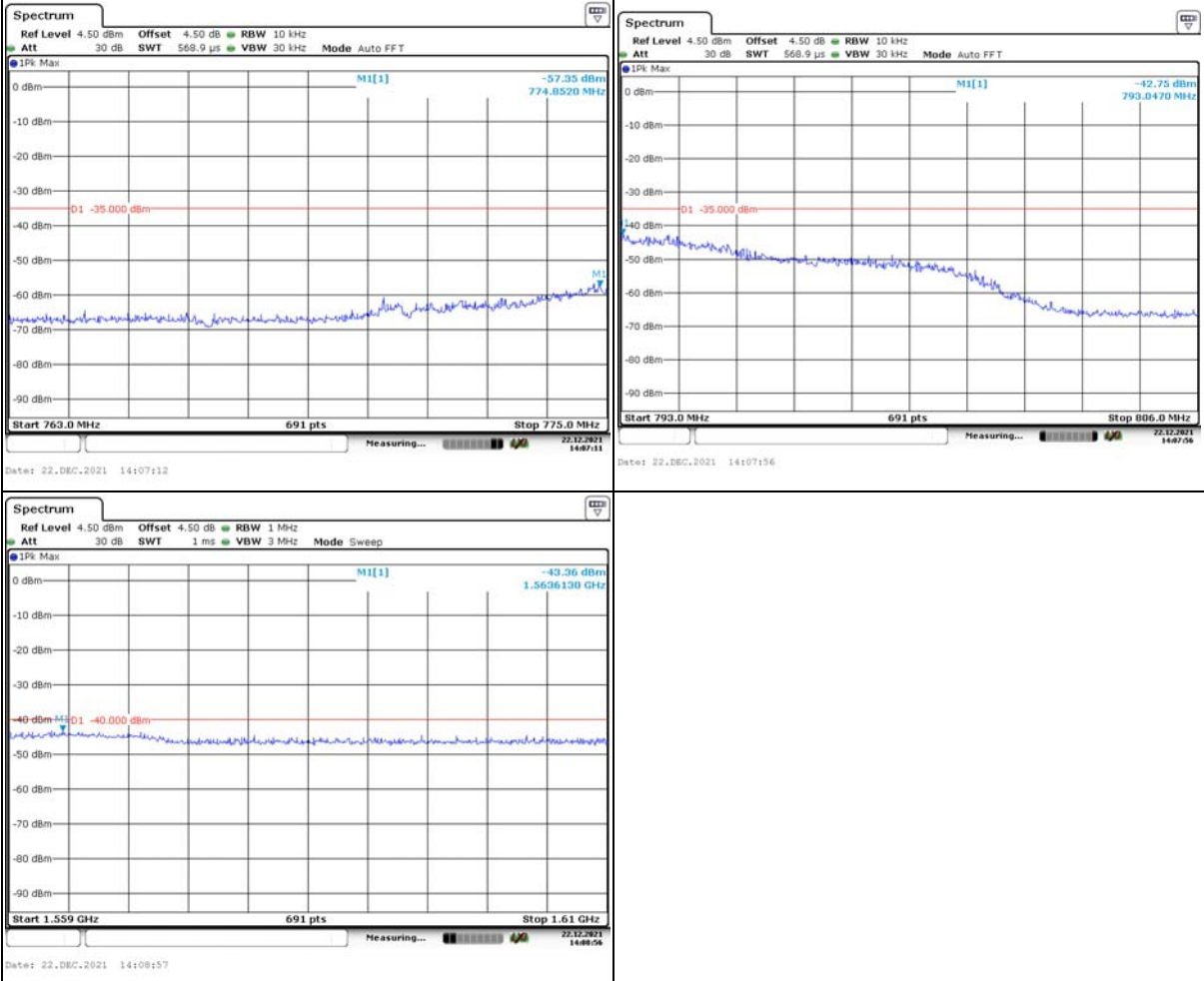


Spurious Emissions at Antenna Terminal

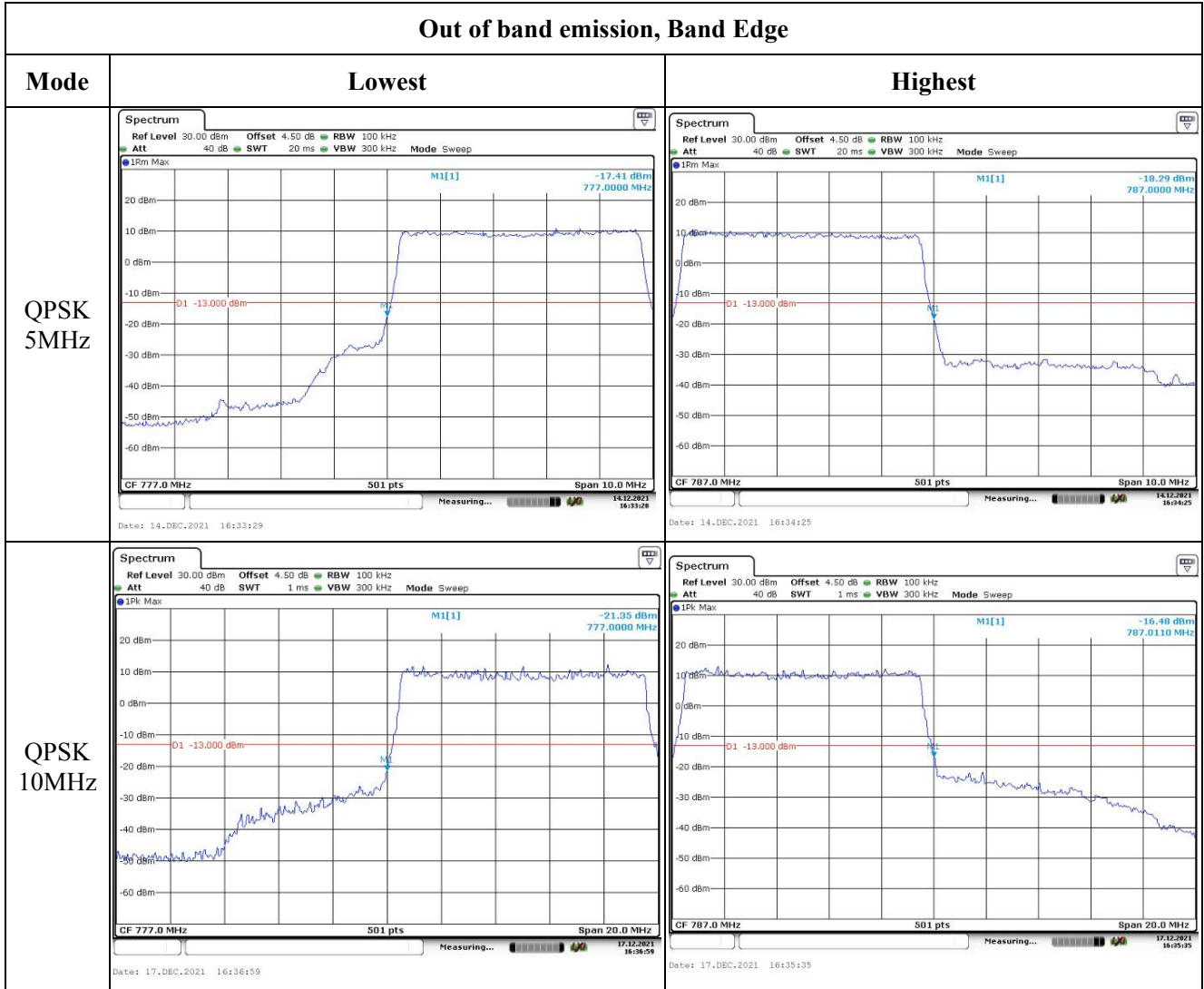
Channel

10MHz Bandwidth QPSK-Additional Frequency Band

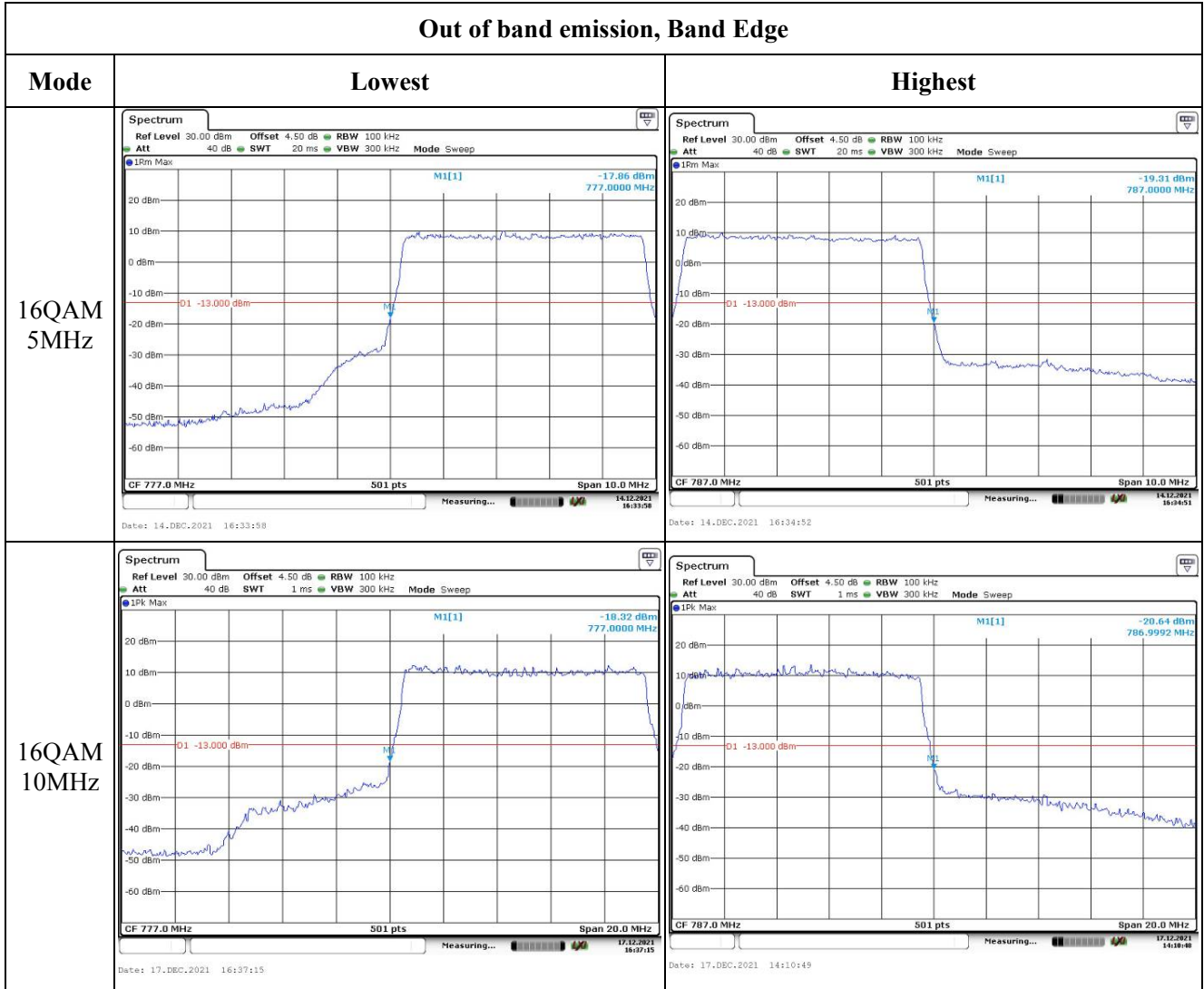
Middle



Out of band emission, Band Edge



Out of band emission, Band Edge



4.12 Antenna Port Test Data and Results for LTE Band 25:

Serial Number:	CR21110087-S1	Test Date:	2021/12/01~2021/12/14
Test Site:	RF	Test Mode:	Transmitting
Tester:	Wolf Mo	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.3~22.7	Relative Humidity: (%)	31~44	ATM Pressure: (kPa)	101.5~101.9
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	Spectrum Analyzer	101474	2021/7/22	2022/7/21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D09	N/A	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2021/7/22	2022/7/21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021/7/22	2022/7/22
UNI-T	Multimeter	UT39A+	C210582554	2021/9/30	2022/9/30
E-Microwave	Two-way Splitter	ODP-1-6	OE0120176	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 25▲:

Antenna Gain (dBi):	-1	Cable Loss (dB):	0.2
Operation Voltage(V _{DC}):			
Lowest:	3.5	Normal:	3.7
		Highest:	4.2

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	1850.7	1882.5	1914.3
3MHz	1851.5	1882.5	1913.5
5MHz	1852.5	1882.5	1912.5
10MHz	1855	1882.5	1910
15MHz	1857.5	1882.5	1907.5
20MHz	1860	1882.5	1905

Test Data:**FCC§2.1046;§ 24.232****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	22.32	22.09	22.05	21.17	33
	RB1#3	22.27	22.08	22.08		
	RB1#5	22.37	22.07	22.05		
	RB3#0	22.35	22.26	22.14		
	RB3#3	22.31	22.14	22.15		
	RB6#0	21.30	21.12	21.11		
1.4MHz 16QAM	RB1#0	21.35	20.69	21.09	20.15	33
	RB1#3	20.96	20.88	21.22		
	RB1#5	20.99	20.71	20.70		
	RB3#0	21.01	20.93	21.11		
	RB3#3	21.15	20.92	20.78		
	RB6#0	20.30	20.42	20.03		
3MHz QPSK	RB1#0	22.34	22.14	21.89	21.14	33
	RB1#8	22.34	21.91	21.79		
	RB1#14	22.28	21.99	21.99		
	RB6#0	21.28	21.10	21.05		
	RB6#9	21.26	21.09	20.98		
	RB15#0	21.29	21.11	21.10		
3MHz 16QAM	RB1#0	21.58	21.56	20.79	20.38	33
	RB1#8	21.30	21.29	20.44		
	RB1#14	21.49	21.41	20.68		
	RB6#0	20.28	20.33	20.06		
	RB6#9	20.39	20.23	20.08		
	RB15#0	20.32	20.25	20.23		
5MHz QPSK	RB1#0	22.22	21.97	21.89	21.02	33
	RB1#13	22.18	21.95	21.94		
	RB1#24	22.19	22.13	22.01		
	RB15#0	21.28	21.13	21.15		
	RB15#10	21.26	21.11	21.04		
	RB25#0	21.32	21.05	21.15		
5MHz 16QAM	RB1#0	20.64	21.13	20.64	19.93	33
	RB1#13	20.52	21.08	20.49		
	RB1#24	20.56	20.95	20.48		
	RB15#0	20.28	19.88	20.06		
	RB15#10	20.26	19.88	19.94		
	RB25#0	20.37	19.92	19.99		
10MHz QPSK	RB1#0	22.35	22.33	22.13	21.35	33

	RB1#25	22.55	22.43	22.15		
	RB1#49	22.32	22.09	22.08		
	RB25#0	21.37	21.09	21.32		
	RB25#25	21.33	21.05	21.05		
	RB50#0	21.28	21.08	21.16		
10MHz 16QAM	RB1#0	21.60	21.43	21.21	20.5	33
	RB1#25	21.59	21.70	21.09		
	RB1#49	21.18	21.30	20.70		
	RB25#0	20.39	20.40	20.54		
	RB25#25	20.34	20.24	20.03		
	RB50#0	20.28	20.26	20.27		
15MHz QPSK	RB1#0	22.35	22.10	22.16	21.15	33
	RB1#38	22.18	22.01	22.30		
	RB1#74	22.18	22.10	22.08		
	RB36#0	21.36	21.20	21.26		
	RB36#39	21.27	21.04	21.14		
	RB75#0	21.28	21.09	21.24		
15MHz 16QAM	RB1#0	21.46	21.33	21.54	20.34	33
	RB1#38	21.39	21.01	21.37		
	RB1#74	21.30	21.26	21.33		
	RB36#0	20.35	20.26	20.39		
	RB36#39	20.23	20.11	20.02		
	RB75#0	20.34	20.27	20.36		
20MHz QPSK	RB1#0	22.52	22.39	22.36	21.47	33
	RB1#50	22.47	22.67	22.53		
	RB1#99	22.34	22.35	22.10		
	RB50#0	21.33	21.25	21.13		
	RB50#50	21.24	21.15	21.06		
	RB100#0	21.29	21.14	21.06		
20MHz 16QAM	RB1#0	21.61	21.60	21.67	21.11	33
	RB1#50	21.45	21.69	22.31		
	RB1#99	21.06	21.69	21.45		
	RB50#0	20.55	20.20	20.01		
	RB50#50	20.24	20.12	19.99		
	RB100#0	20.38	20.22	20.15		

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	4.93	5.04	4.72	13
	RB100#0	5.19	5.33	4.81	13
20MHz 16QAM	RB1#0	6.03	6.23	5.71	13
	RB100#0	6.09	6.29	5.77	13
Result:					Pass

FCC §2.1049, §24.238: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	1.108	1.108	1.314	1.320	1.296
1.4MHz 16QAM	1.102	1.096	1.102	1.338	1.308	1.308
3MHz QPSK	2.695	2.695	2.683	2.940	2.952	2.964
3MHz 16QAM	2.695	2.683	2.683	2.964	2.964	2.964
5MHz QPSK	4.531	4.511	4.511	5.060	5.040	5.020
5MHz 16QAM	4.511	4.551	4.531	5.020	5.060	5.060
10MHz QPSK	8.942	8.942	8.901	9.720	9.680	9.680
10MHz 16QAM	8.942	8.942	8.901	9.600	9.760	9.640
15MHz QPSK	13.473	13.473	13.413	14.760	14.700	14.700
15MHz 16QAM	13.473	13.473	13.473	14.640	14.640	14.700
20MHz QPSK	17.884	17.964	17.884	19.280	19.200	19.280
20MHz 16QAM	17.964	17.884	17.884	19.280	19.520	19.440

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

FCC §2.1051, § 24.238 (a):Spurious Emissions at Antenna Terminal	
Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.

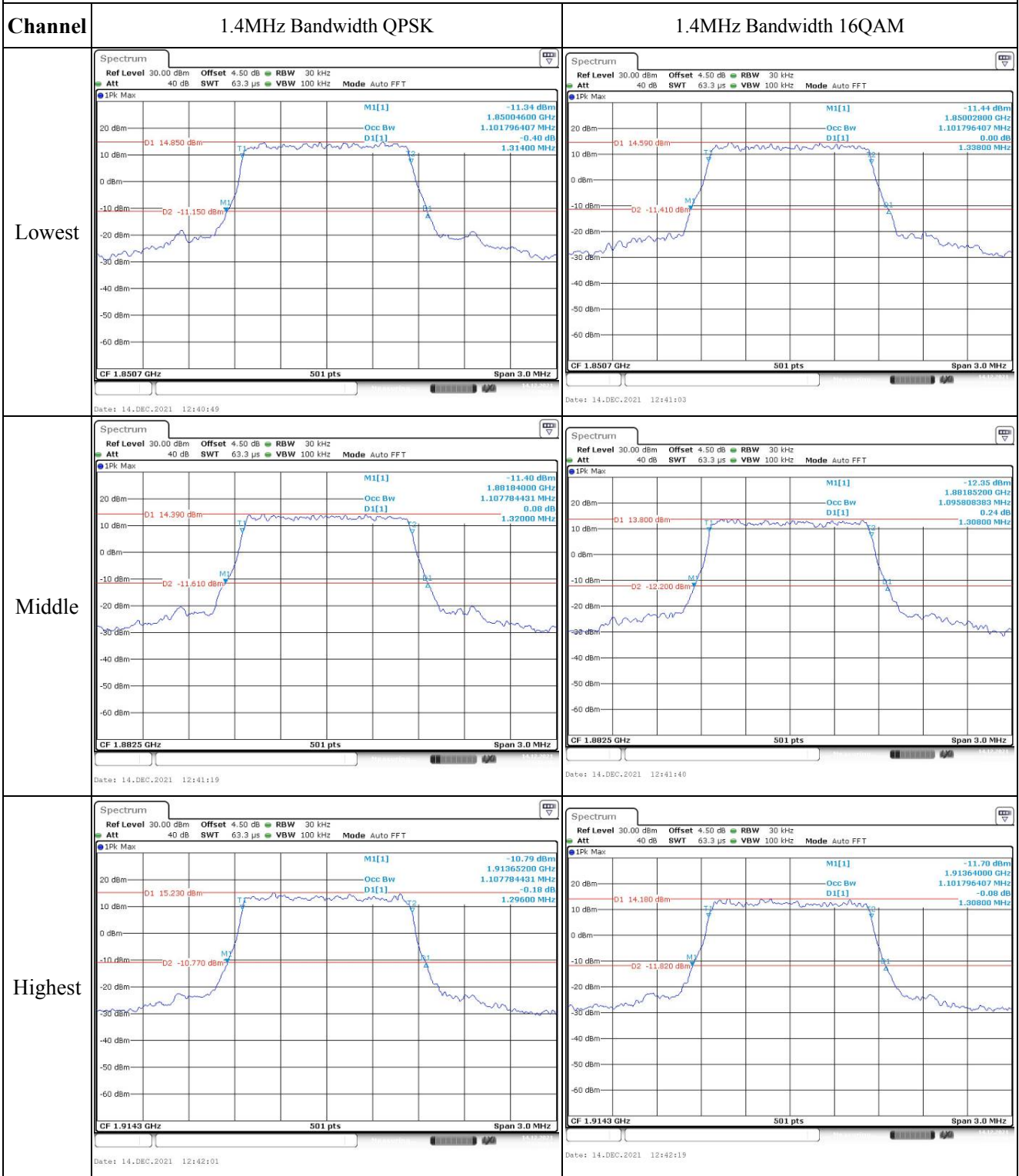
FCC §2.1051, § 24.238 (a):Out of band emission, Band Edge	
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.

FCC §2.1055, §24.235: Frequency Stability					
Test Mode:	20 MHz QPSK		Test Channel:	1882.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Result
			(Hz)	(ppm)	
Frequency Stability vs. Temperature	-30	3.7	1.20	0.001	Pass
	-20	3.7	9.68	0.005	Pass
	-10	3.7	8.77	0.005	Pass
	0	3.7	8.52	0.005	Pass
	10	3.7	8.18	0.004	Pass
	20	3.7	-5.04	-0.003	Pass
	30	3.7	-9.23	-0.005	Pass
	40	3.7	-5.56	-0.003	Pass
Frequency Stability vs. Voltage	20	3.5	8.05	0.004	Pass
	20	4.2	-7.16	-0.004	Pass
Result:				Pass	

Test Mode:	20 MHz 16QAM		Test Channel:	1882.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Result
			(Hz)	(ppm)	
Frequency Stability vs. Temperature	-30	3.7	-0.46	0.000	Pass
	-20	3.7	-7.47	-0.004	Pass
	-10	3.7	9.10	0.005	Pass
	0	3.7	9.03	0.005	Pass
	10	3.7	-7.92	-0.004	Pass
	20	3.7	-7.83	-0.004	Pass
	30	3.7	8.10	0.004	Pass
	40	3.7	-8.07	-0.004	Pass
Frequency Stability vs. Voltage	20	3.5	-8.65	-0.005	Pass
	20	4.2	-5.15	-0.003	Pass
Result:				Pass	

Test Plots:

Occupied Bandwidth



Occupied Bandwidth

Channel	3MHz Bandwidth QPSK	3MHz Bandwidth 16QAM
Lowest	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -12.97 dBm Occ Bw 2.694610778 MHz D1[1] -0.24 dBm</p> <p>CF 1.8515 GHz 501 pts Span 6.0 MHz</p> <p>Date: 14.DEC.2021 12:42:41</p>	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -14.25 dBm Occ Bw 2.694610778 MHz D1[1] -1.74 dBm</p> <p>CF 1.8515 GHz 501 pts Span 6.0 MHz</p> <p>Date: 14.DEC.2021 12:42:55</p>
Middle	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -14.19 dBm Occ Bw 2.694610778 MHz D1[1] -0.46 dBm</p> <p>CF 1.8825 GHz 501 pts Span 6.0 MHz</p> <p>Date: 14.DEC.2021 12:43:17</p>	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -15.13 dBm Occ Bw 2.682634731 MHz D1[1] -0.77 dBm</p> <p>CF 1.8825 GHz 501 pts Span 6.0 MHz</p> <p>Date: 14.DEC.2021 12:43:32</p>
Highest	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -14.33 dBm Occ Bw 2.682634731 MHz D1[1] -1.45 dBm</p> <p>CF 1.9135 GHz 501 pts Span 6.0 MHz</p> <p>Date: 14.DEC.2021 12:43:50</p>	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 30 kHz Att 40 dB SWT 63.2 μs VBW 100 kHz Mode Auto FFT</p> <p>M1[1] -14.94 dBm Occ Bw 2.682634731 MHz D1[1] -0.22 dBm</p> <p>CF 1.9135 GHz 501 pts Span 6.0 MHz</p> <p>Date: 14.DEC.2021 12:44:08</p>

Occupied Bandwidth

Channel	5MHz Bandwidth QPSK	5MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

Occupied Bandwidth

Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM
Lowest		
Middle		
Highest		

Occupied Bandwidth

Channel	15MHz Bandwidth QPSK	15MHz Bandwidth 16QAM
Lowest	<p>15MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -11.54 dBm 1.8501200 GHz 13.473053892 MHz -0.86 dB 14.7600 MHz</p> <p>D1 15.390 dBm D2 -10.610 dBm</p> <p>CF 1.8575 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.DEC.2021 12:49:58</p>	<p>15MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -12.91 dBm 1.8501800 GHz 13.473053892 MHz 1.37 dB 14.6400 MHz</p> <p>D1 13.730 dBm D2 -12.270 dBm</p> <p>CF 1.8575 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.DEC.2021 12:50:29</p>
Middle	<p>15MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -11.59 dBm 1.8751800 GHz 13.473053892 MHz -0.20 dB 14.7000 MHz</p> <p>D1 14.280 dBm D2 -11.720 dBm</p> <p>CF 1.8825 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.DEC.2021 12:51:03</p>	<p>15MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -12.76 dBm 1.8751800 GHz 13.473053892 MHz 1.96 dB 14.6400 MHz</p> <p>D1 14.090 dBm D2 -11.910 dBm</p> <p>CF 1.8825 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.DEC.2021 12:51:33</p>
Highest	<p>15MHz Bandwidth QPSK</p> <p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -11.89 dBm 1.9001200 GHz 13.413173653 MHz -0.22 dB 14.7000 MHz</p> <p>D1 14.810 dBm D2 -11.190 dBm</p> <p>CF 1.9075 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.DEC.2021 12:52:04</p>	<p>15MHz Bandwidth 16QAM</p> <p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 25.3 μs VBW 1 MHz Mode Auto FFT</p> <p>1Pk Max</p> <p>M1[1] -12.65 dBm 1.9001200 GHz 13.473053892 MHz -0.10 dB 14.7000 MHz</p> <p>D1 14.330 dBm D2 -11.670 dBm</p> <p>CF 1.9075 GHz 501 pts Span 30.0 MHz</p> <p>Date: 14.DEC.2021 12:52:35</p>

Occupied Bandwidth

Channel	20MHz Bandwidth QPSK	20MHz Bandwidth 16QAM
Lowest	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 37.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -12.35 dBm 1.8504000 GHz 17.884231537 MHz Occ Bw 19.2800 MHz D1[1] -0.15 dB</p> <p>D1 13.700 dBm D2 -12.300 dBm</p> <p>CF 1.86 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.DEC.2021 12:53:06</p>	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 37.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -13.73 dBm 1.8504000 GHz 17.884231537 MHz Occ Bw 19.2800 MHz D1[1] -0.73 dB</p> <p>D1 13.200 dBm D2 -12.800 dBm</p> <p>CF 1.86 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.DEC.2021 12:53:40</p>
Middle	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 37.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -11.40 dBm 1.8729800 GHz 17.964071856 MHz Occ Bw 19.2000 MHz D1[1] -0.93 dB</p> <p>D1 13.970 dBm D2 -12.030 dBm</p> <p>CF 1.8825 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.DEC.2021 12:54:14</p>	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 37.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -13.41 dBm 1.8727400 GHz 17.884231537 MHz Occ Bw 19.3200 MHz D1[1] -1.14 dB</p> <p>D1 11.780 dBm D2 -14.220 dBm</p> <p>CF 1.8825 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.DEC.2021 12:54:44</p>
Highest	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 37.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -11.45 dBm 1.8953200 GHz 17.884231537 MHz Occ Bw 19.2800 MHz D1[1] -1.14 dB</p> <p>D1 14.180 dBm D2 -11.820 dBm</p> <p>CF 1.905 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.DEC.2021 12:55:19</p>	<p>Ref Level 30.00 dBm Offset 4.50 dB RBW 300 kHz Att 40 dB SWT 37.9 μs VBW 1 MHz Mode Auto FFT</p> <p>M1[1] -13.05 dBm 1.8953200 GHz 17.884231537 MHz Occ Bw 19.4400 MHz D1[1] -0.64 dB</p> <p>D1 12.750 dBm D2 -13.250 dBm</p> <p>CF 1.905 GHz 501 pts Span 40.0 MHz</p> <p>Date: 14.DEC.2021 12:55:52</p>