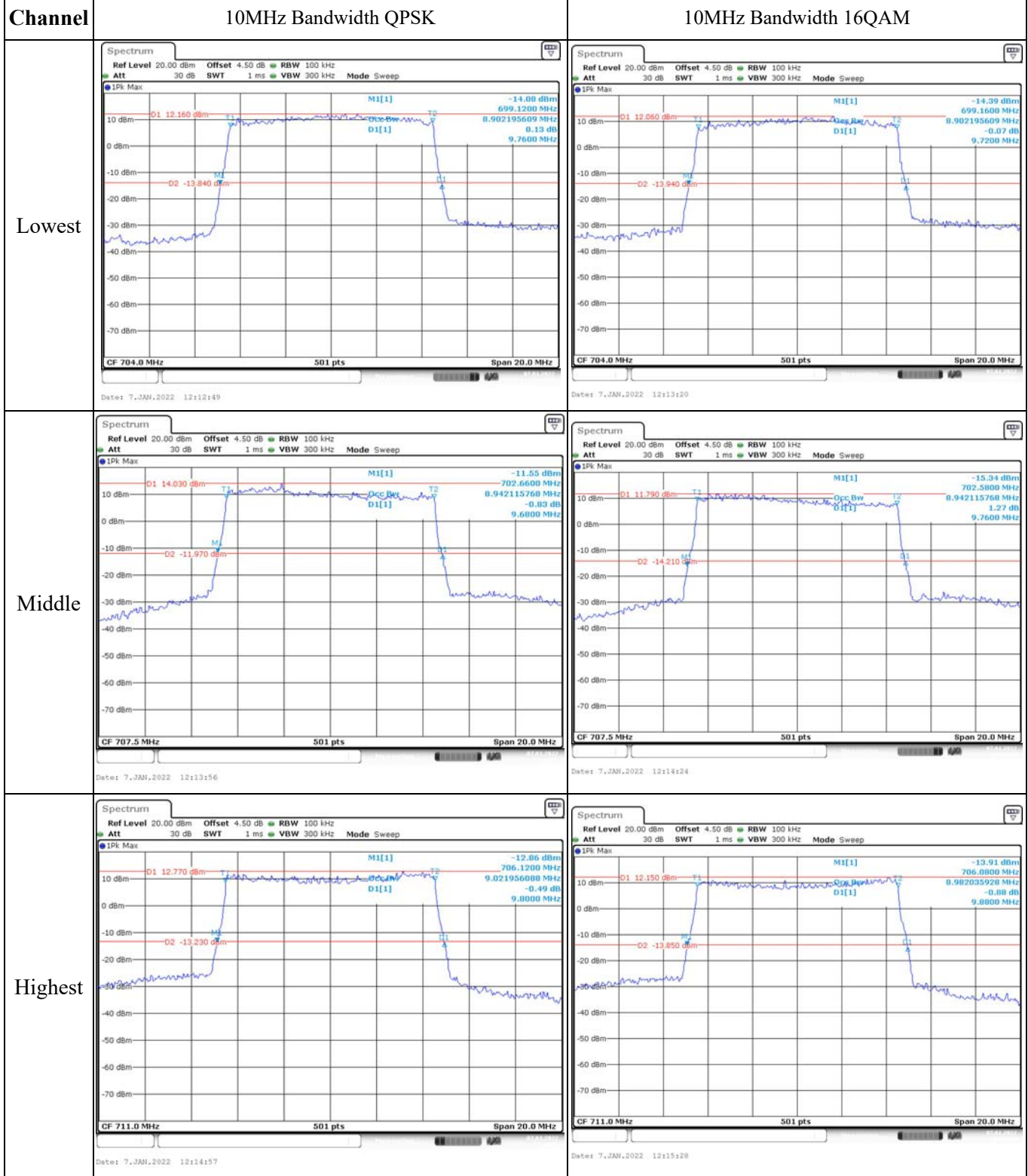


Occupied Bandwidth

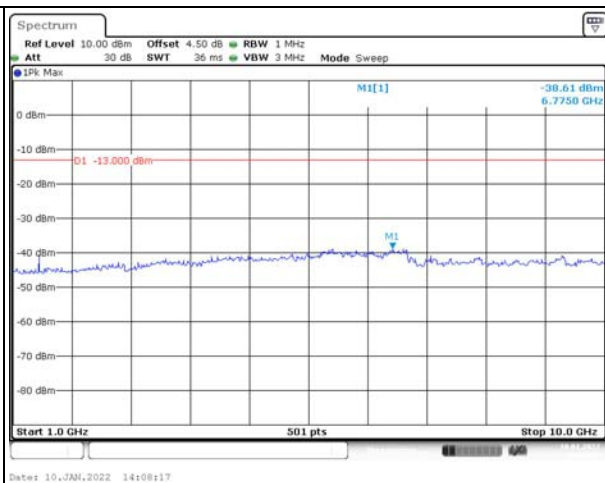
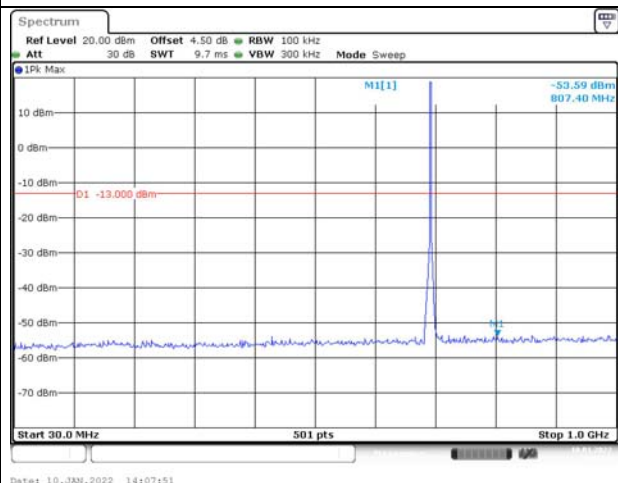


Spurious Emissions at Antenna Terminal

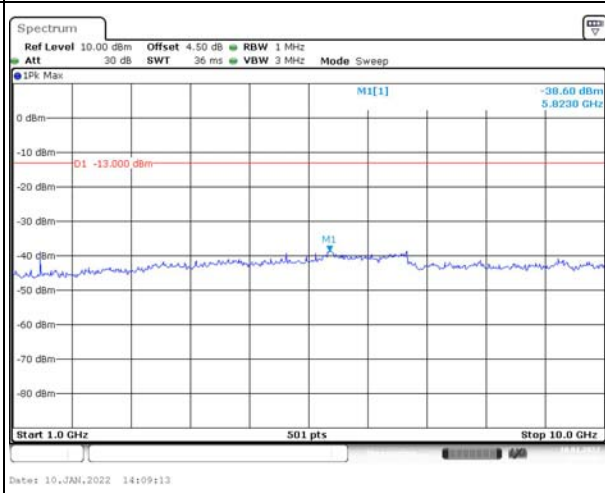
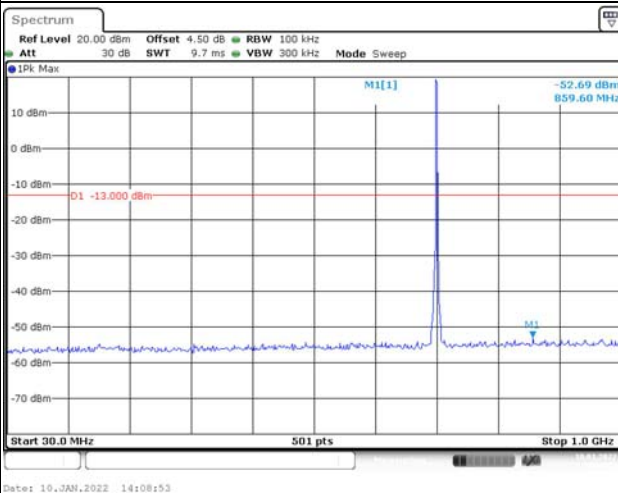
Channel

1.4MHz Bandwidth QPSK

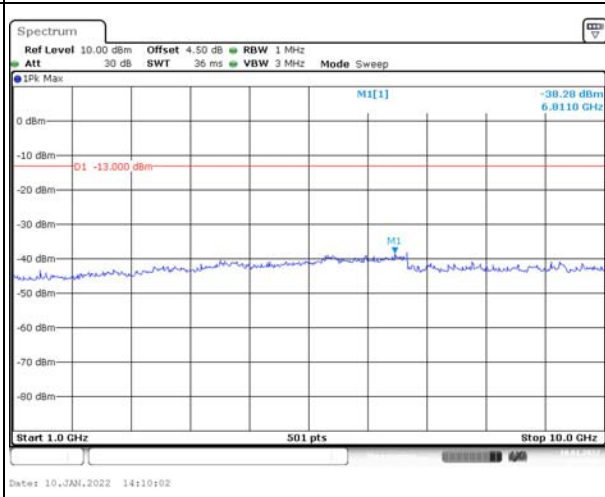
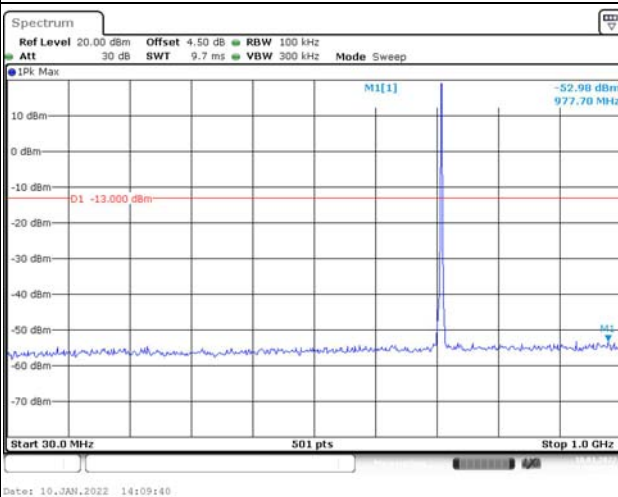
Lowest



Middle



Highest

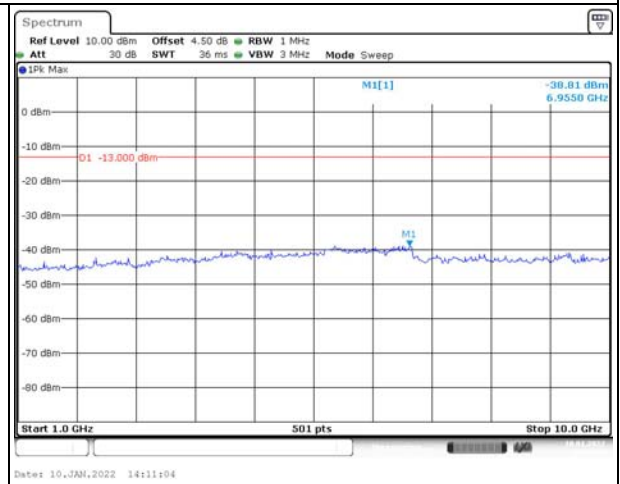
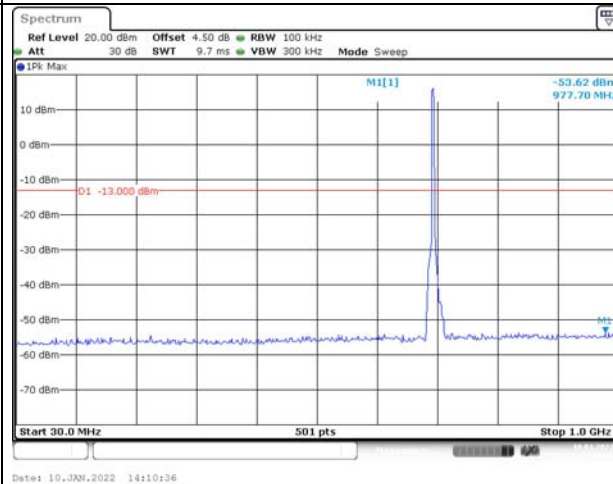


Spurious Emissions at Antenna Terminal

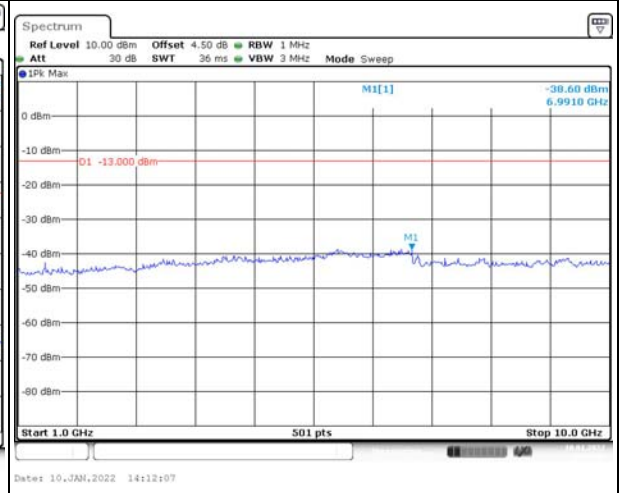
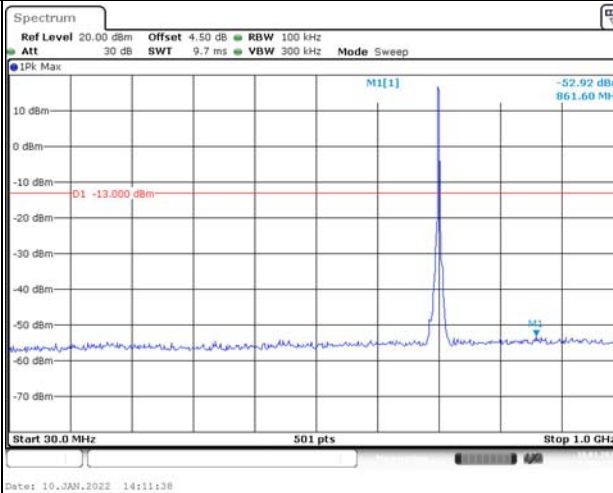
Channel

3MHz Bandwidth QPSK

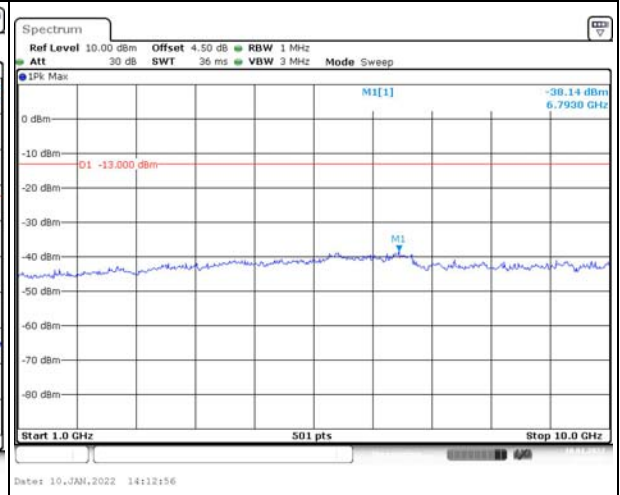
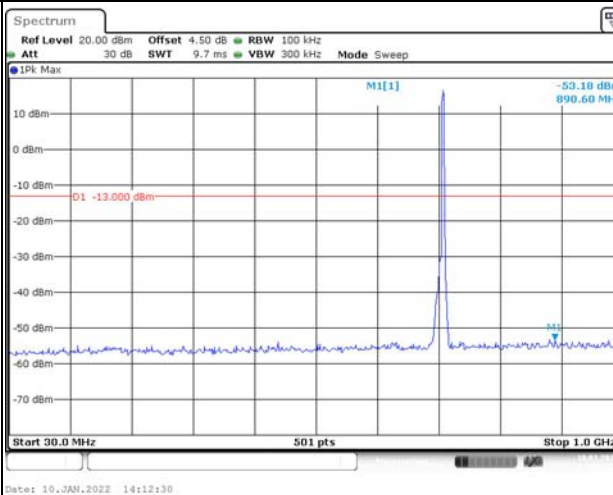
Lowest



Middle



Highest

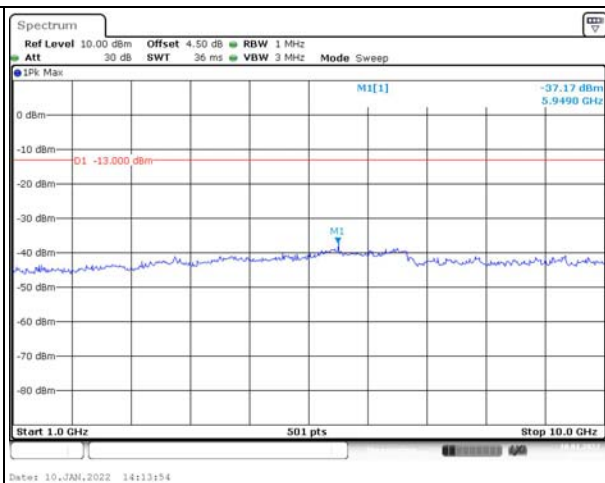
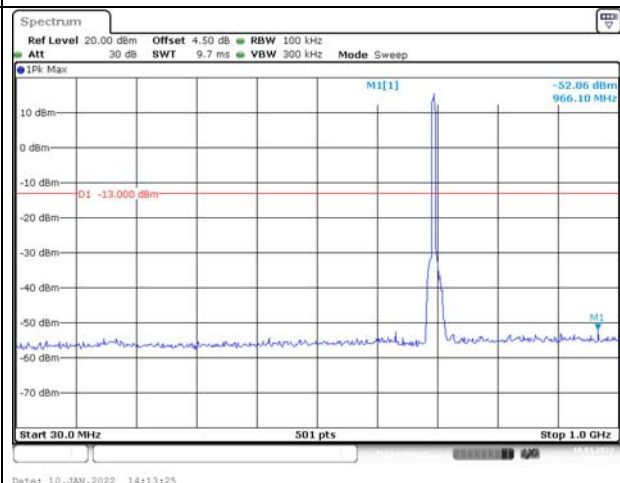


Spurious Emissions at Antenna Terminal

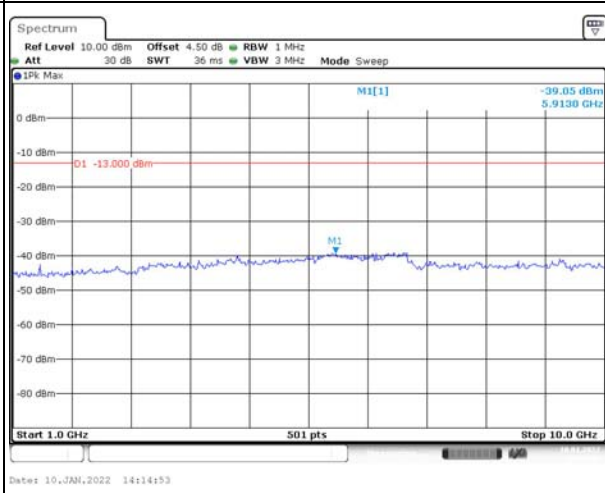
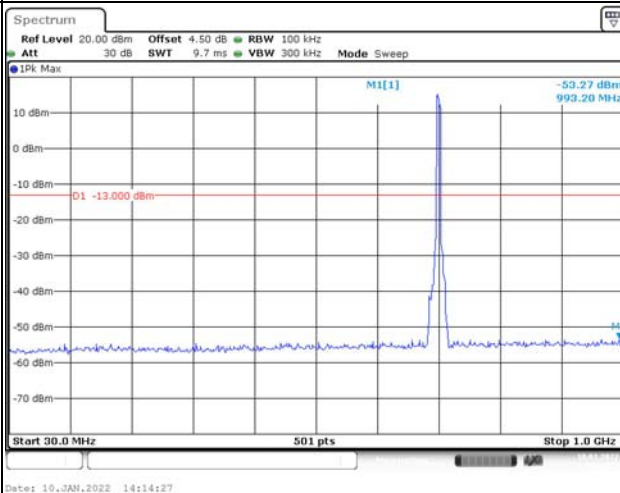
Channel

5MHz Bandwidth QPSK

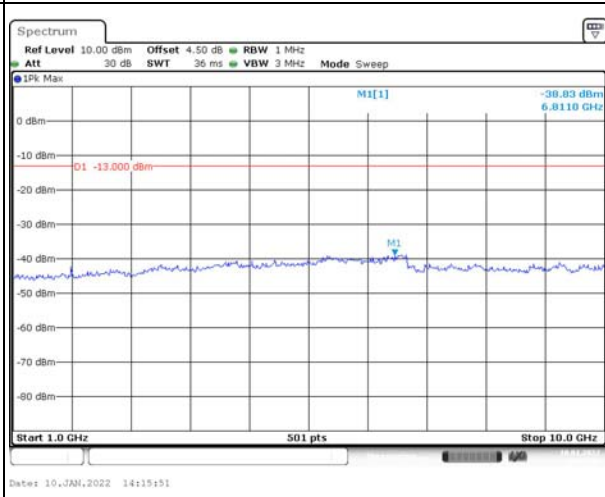
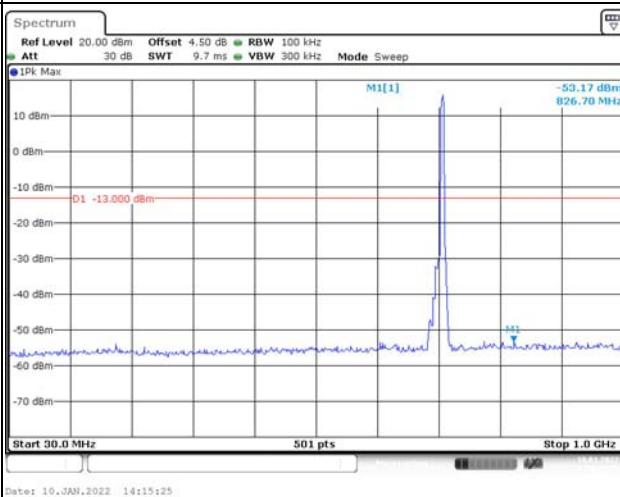
Lowest



Middle



Highest

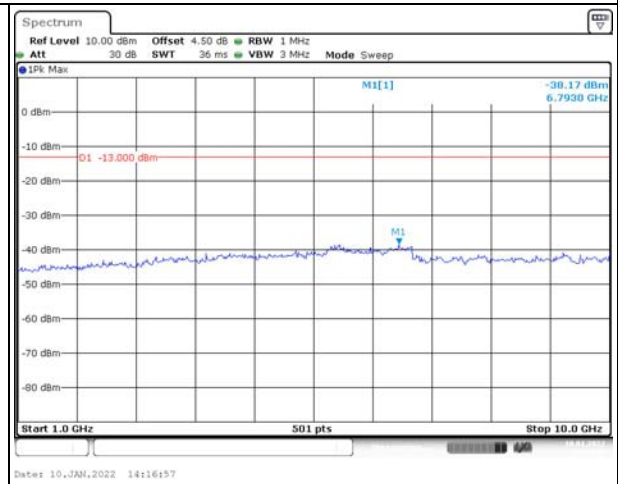
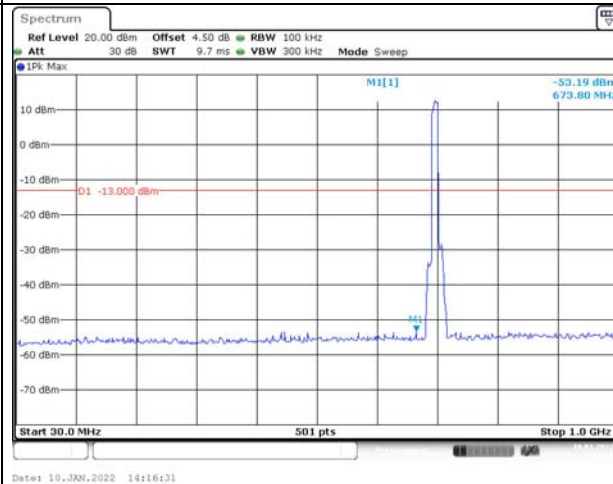


Spurious Emissions at Antenna Terminal

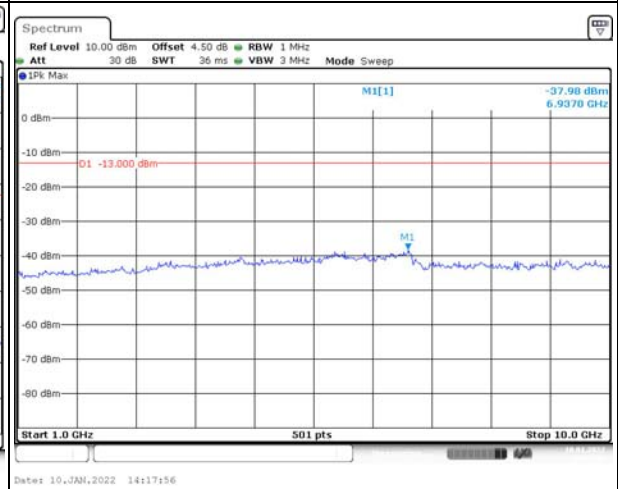
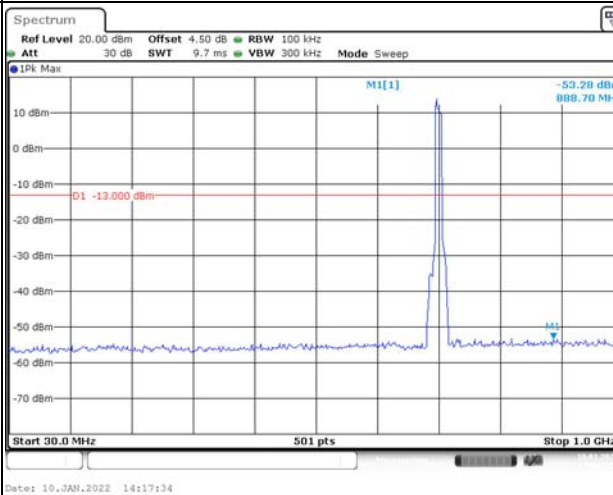
Channel

10MHz Bandwidth QPSK

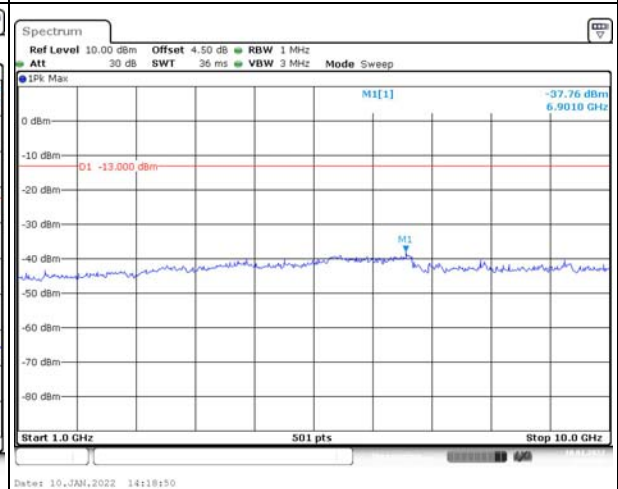
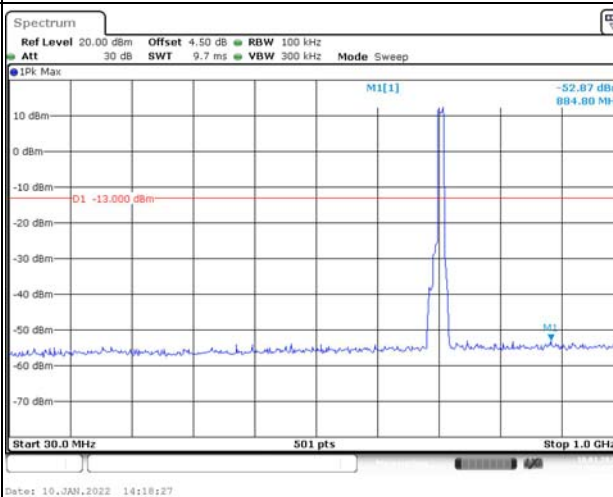
Lowest



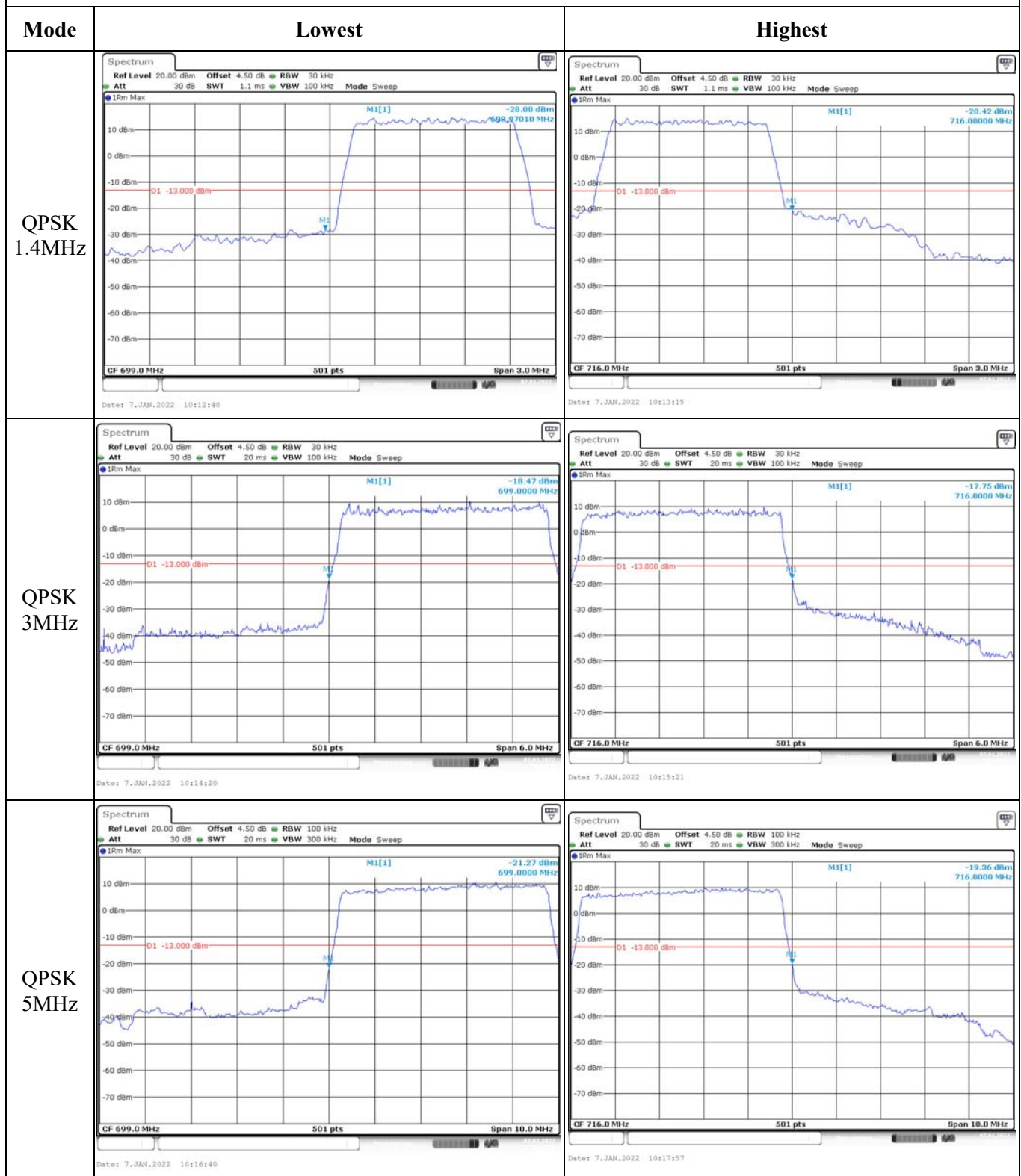
Middle



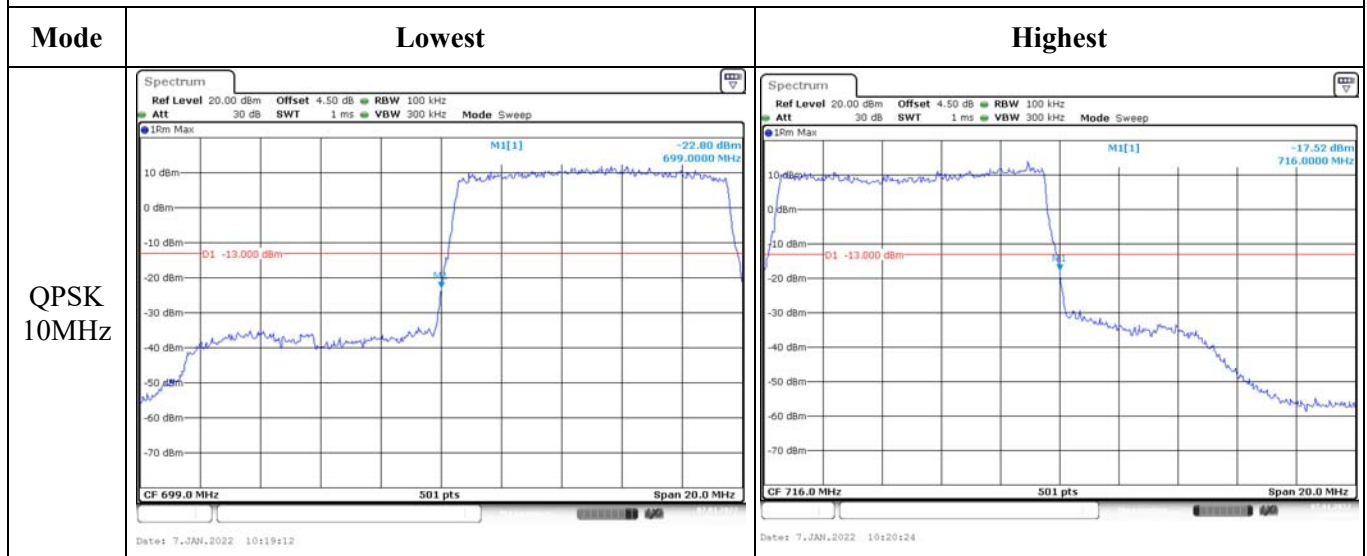
Highest



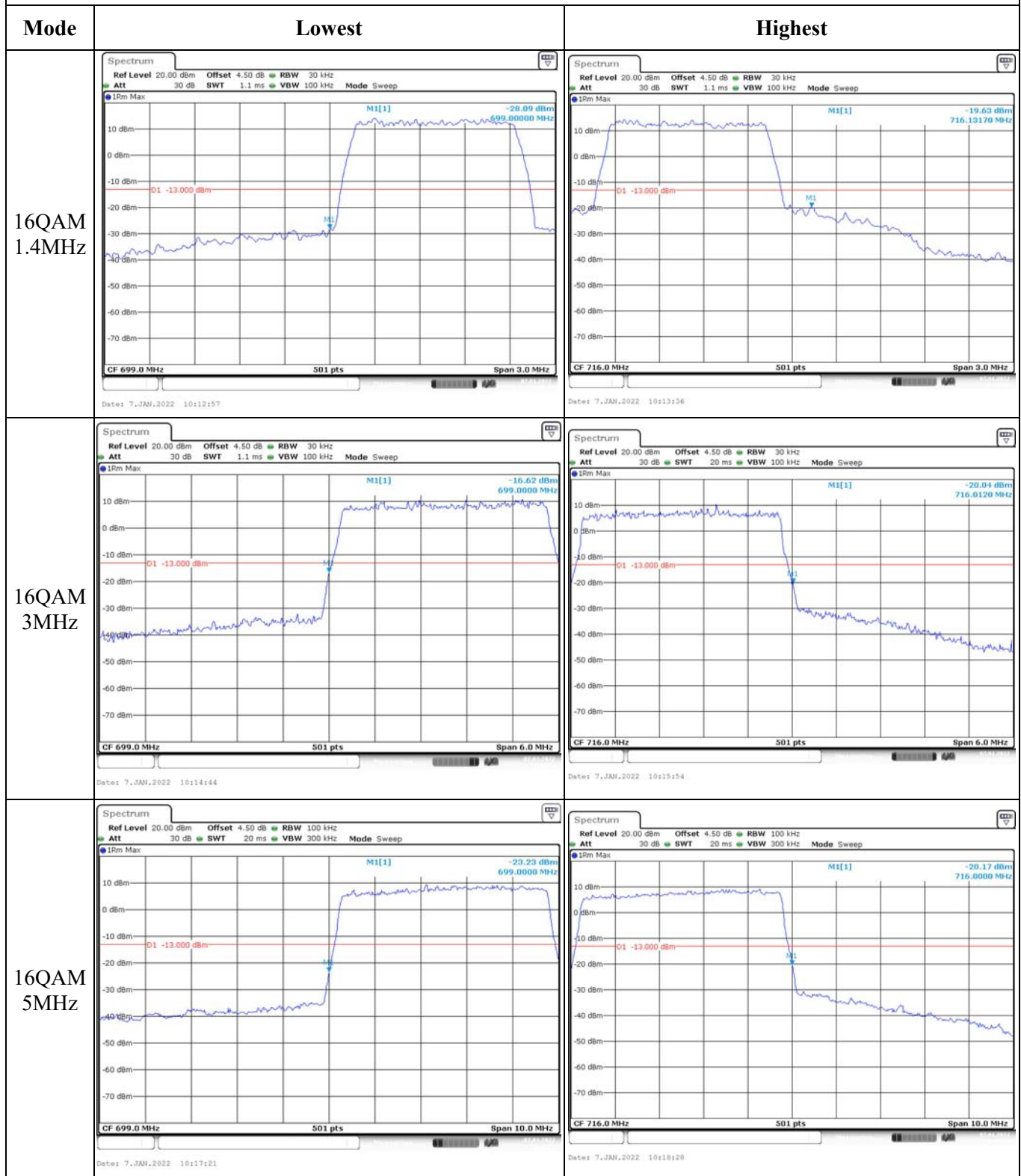
Out of band emission, Band Edge



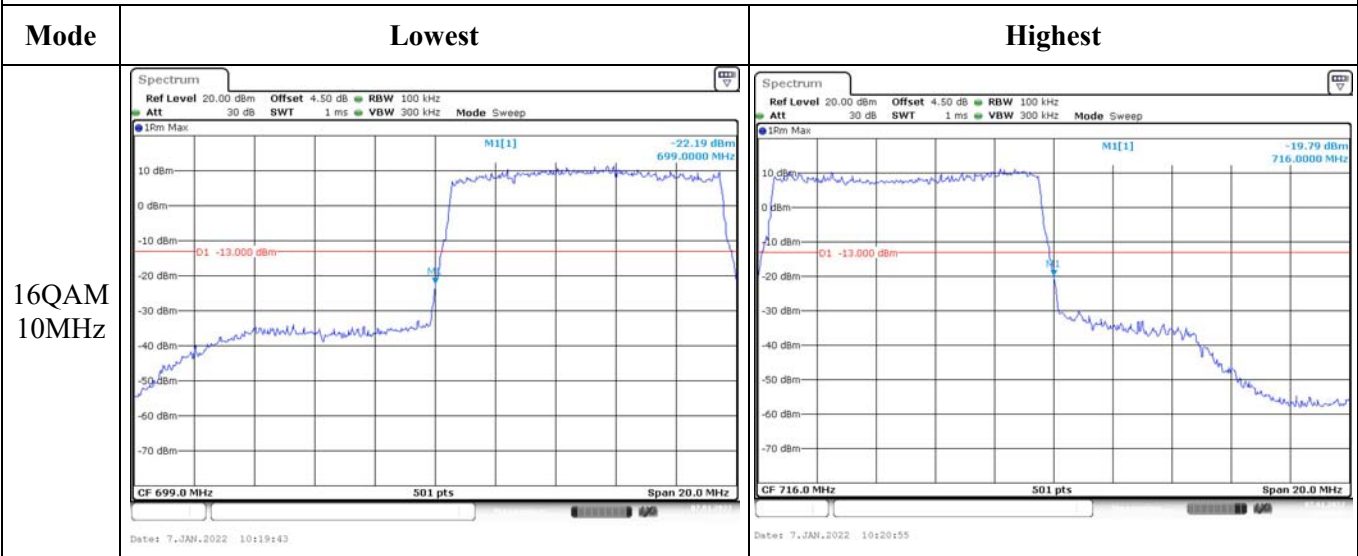
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.9 Antenna Port Test Data and Results for LTE Band 17:

Serial Number:	CR21120041-RF	Test Date:	2022/01/07~2022/01/10
Test Site:	RF	Test Mode:	Transmitting
Tester:	LE Qiao	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.6~23.1	Relative Humidity: (%)	27~41	ATM Pressure: (kPa)	101.2~101.8
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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
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 17▲:

Antenna Gain (dBi):	3	Antenna Gain (dBd):	0.85	Cable Loss (dB):	0
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	706.5	710	713.5
10MHz	709	710	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		
5MHz QPSK	RB1#0	22.75	22.78	22.63	23.69	34.77
	RB1#13	22.81	22.72	22.75		
	RB1#24	22.84	22.70	22.64		
	RB15#0	21.77	21.74	21.74		
	RB15#10	21.81	21.78	21.91		
	RB25#0	21.73	21.82	21.85		
5MHz 16QAM	RB1#0	20.91	21.67	21.39	22.64	34.77
	RB1#13	20.96	21.79	21.51		
	RB1#24	21.05	21.76	21.44		
	RB15#0	20.86	20.67	20.83		
	RB15#10	20.85	20.59	20.90		
	RB25#0	20.85	20.79	20.87		
10MHz QPSK	RB1#0	22.66	22.68	22.88	23.88	34.77
	RB1#25	22.62	22.70	22.89		
	RB1#49	22.81	22.76	23.03		
	RB25#0	21.81	21.75	21.78		
	RB25#25	21.84	21.78	21.85		
	RB50#0	21.77	21.79	21.74		
10MHz 16QAM	RB1#0	21.84	21.97	21.32	22.92	34.77
	RB1#25	21.80	21.96	21.39		
	RB1#49	21.92	22.07	21.34		
	RB25#0	20.79	20.77	20.90		
	RB25#25	20.89	20.91	21.01		
	RB50#0	20.90	20.85	20.78		

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	4.46	4.87	5.01	13
	RB50#0	5.48	5.68	5.51	13
10MHz 16QAM	RB1#0	5.57	5.71	5.91	13
	RB50#0	6.26	6.29	6.32	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	4.531	4.511	4.980	5.020	5.000
5MHz 16QAM	4.511	4.531	4.531	4.980	5.000	4.980
10MHz QPSK	8.981	8.981	9.022	9.720	9.840	9.800
10MHz 16QAM	8.981	9.022	9.022	9.840	9.840	9.920

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.
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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.
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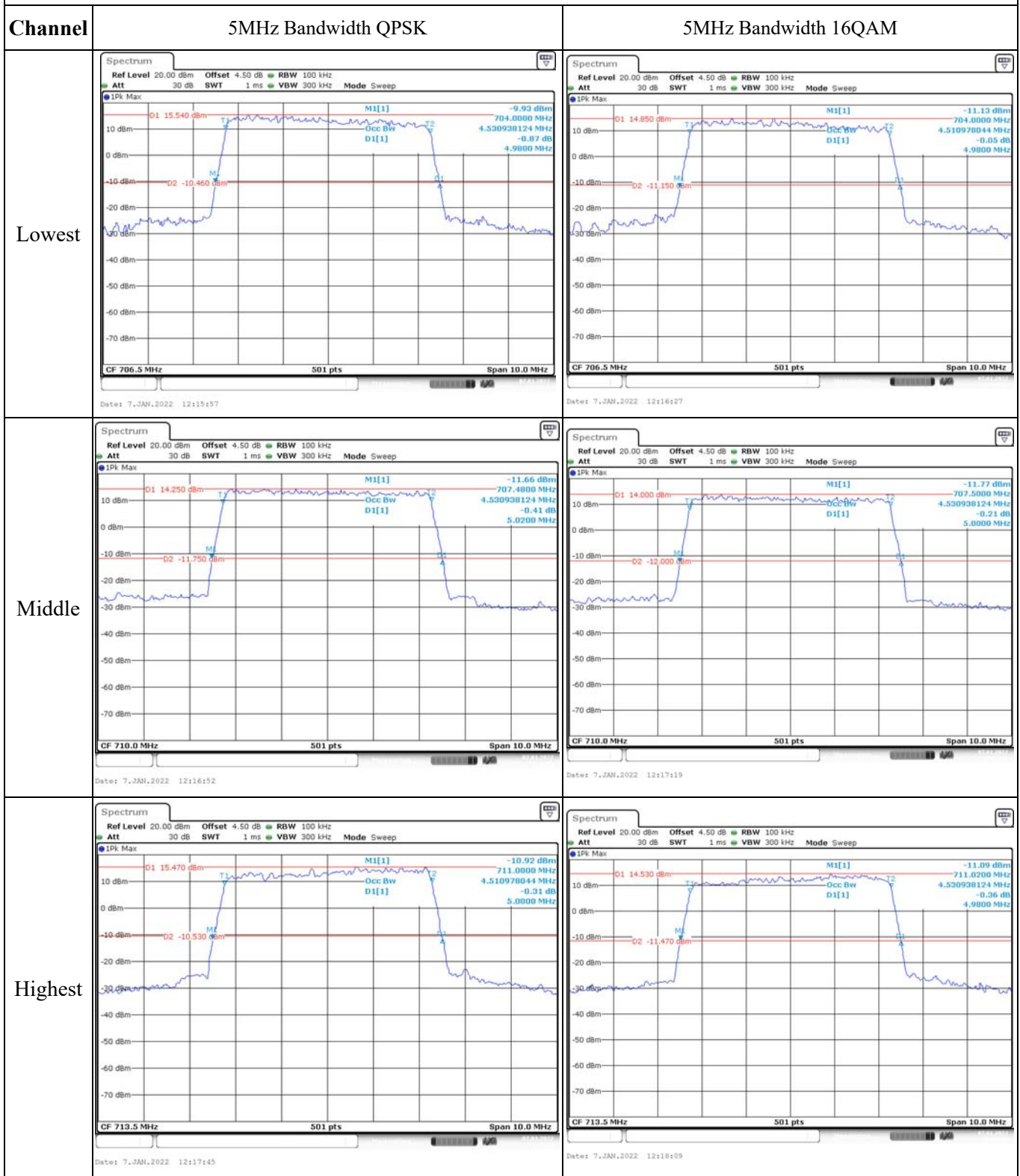
FCC §2.1055, §27.54: Frequency Stability

Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{dc})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	704.518	704.00	715.486	716.00
	-20	3.7	704.513	704.00	715.484	716.00
	-10	3.7	704.513	704.00	715.486	716.00
	0	3.7	704.512	704.00	715.487	716.00
	10	3.7	704.515	704.00	715.488	716.00
	20	3.7	704.514	704.00	715.486	716.00
	30	3.7	704.517	704.00	715.485	716.00
	40	3.7	704.514	704.00	715.486	716.00
	50	3.7	704.516	704.00	715.488	716.00
Frequency Stability vs. Voltage	20	3.5	704.514	704.00	715.486	716.00
	20	4.2	704.512	704.00	715.480	716.00
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	704.511	704.00	715.515	716.00
	-20	3.7	704.514	704.00	715.518	716.00
	-10	3.7	704.512	704.00	715.515	716.00
	0	3.7	704.514	704.00	715.519	716.00
	10	3.7	704.515	704.00	715.513	716.00
	20	3.7	704.514	704.00	715.515	716.00
	30	3.7	704.518	704.00	715.519	716.00
	40	3.7	704.514	704.00	715.515	716.00
	50	3.7	704.519	704.00	715.510	716.00
Frequency Stability vs. Voltage	20	3.5	704.514	704.00	715.515	716.00
	20	4.2	704.511	704.00	715.513	716.00
Result:					Pass	

Test Plots:

Occupied Bandwidth

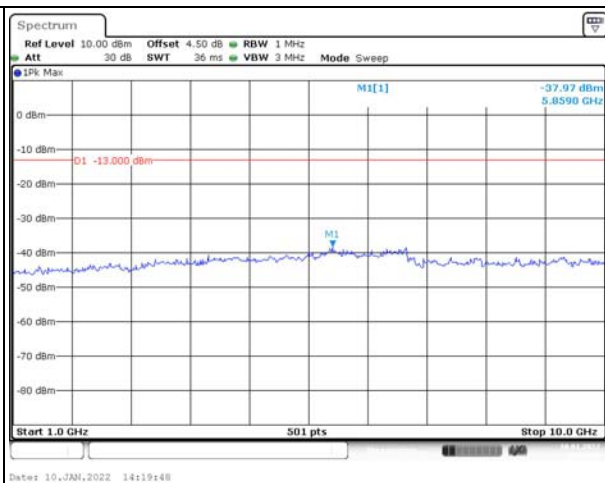
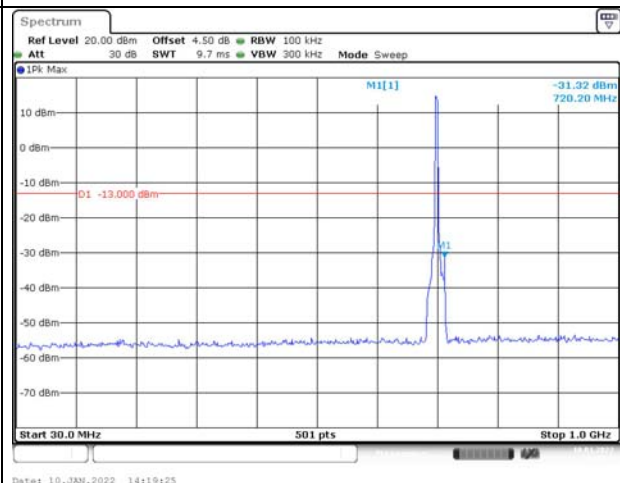


Spurious Emissions at Antenna Terminal

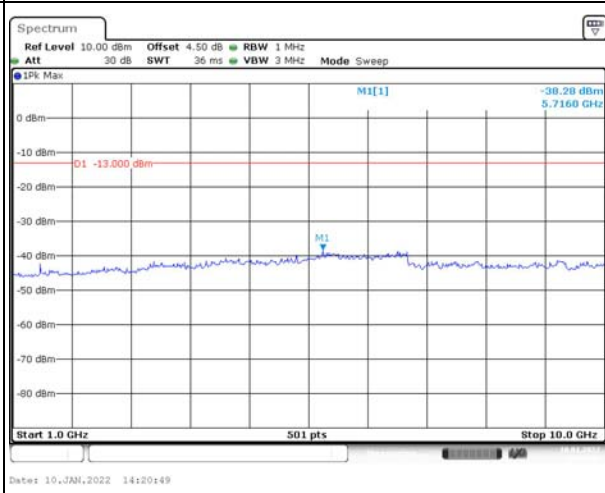
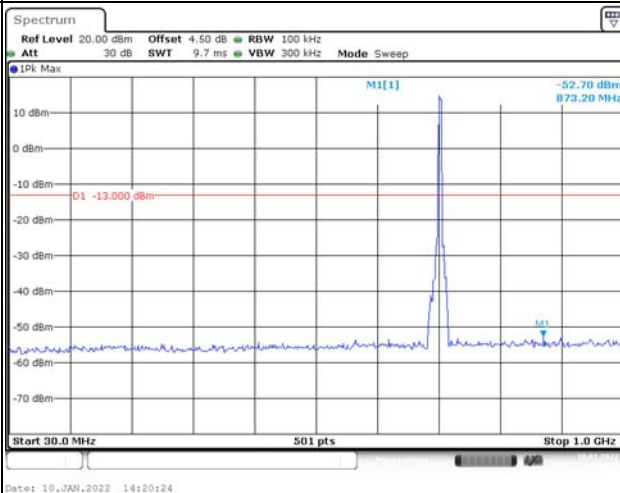
Channel

5MHz Bandwidth QPSK

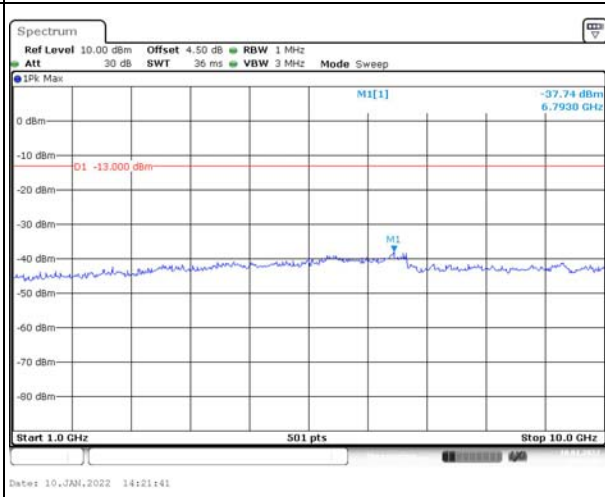
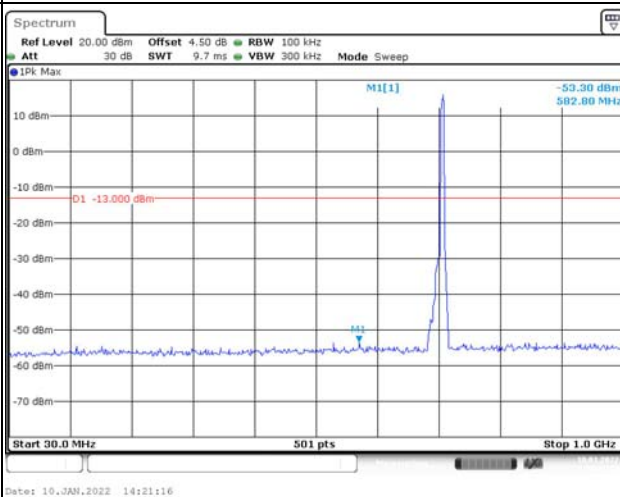
Lowest



Middle



Highest

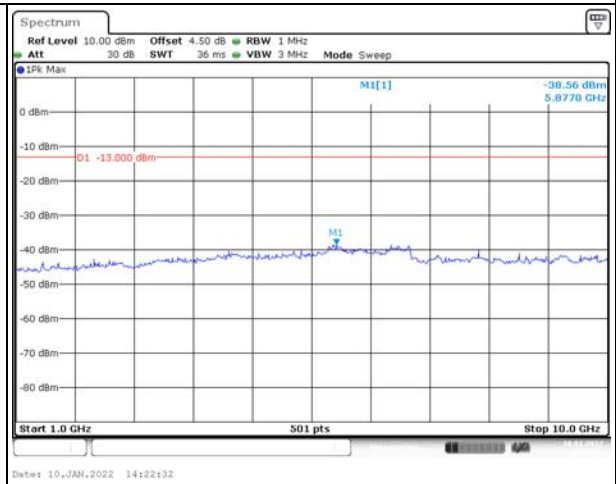
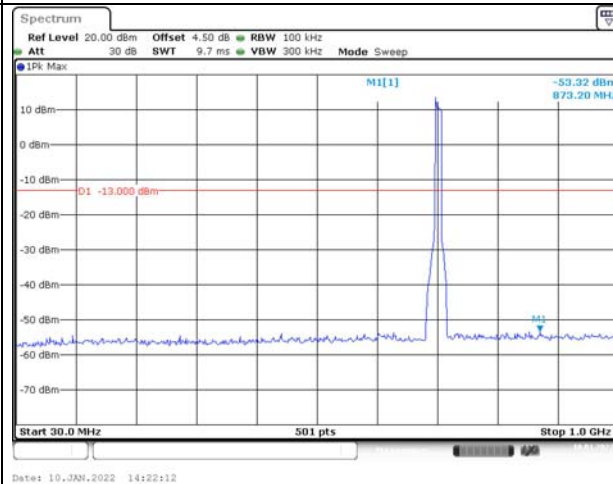


Spurious Emissions at Antenna Terminal

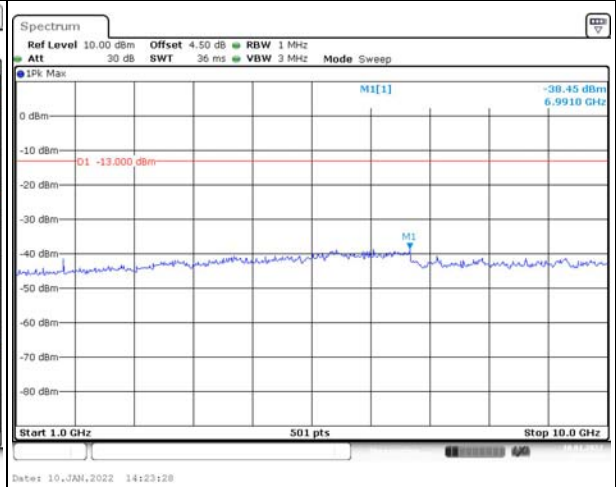
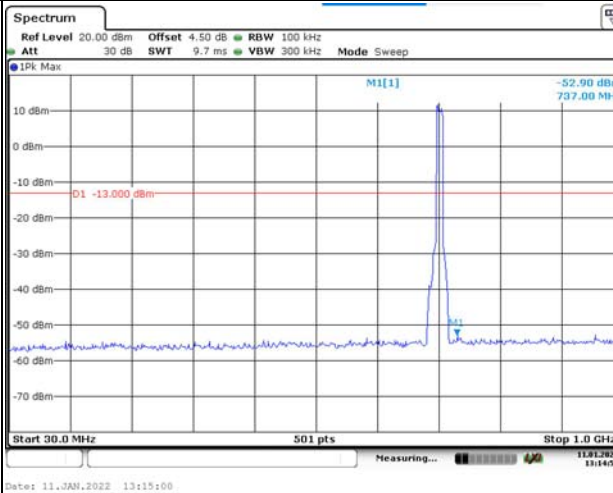
Channel

10MHz Bandwidth QPSK

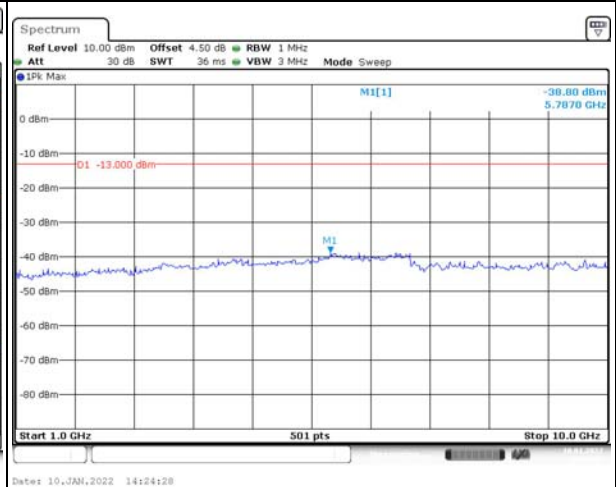
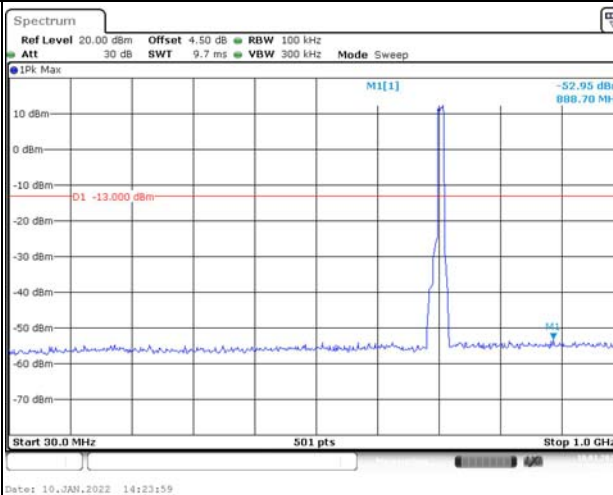
Lowest



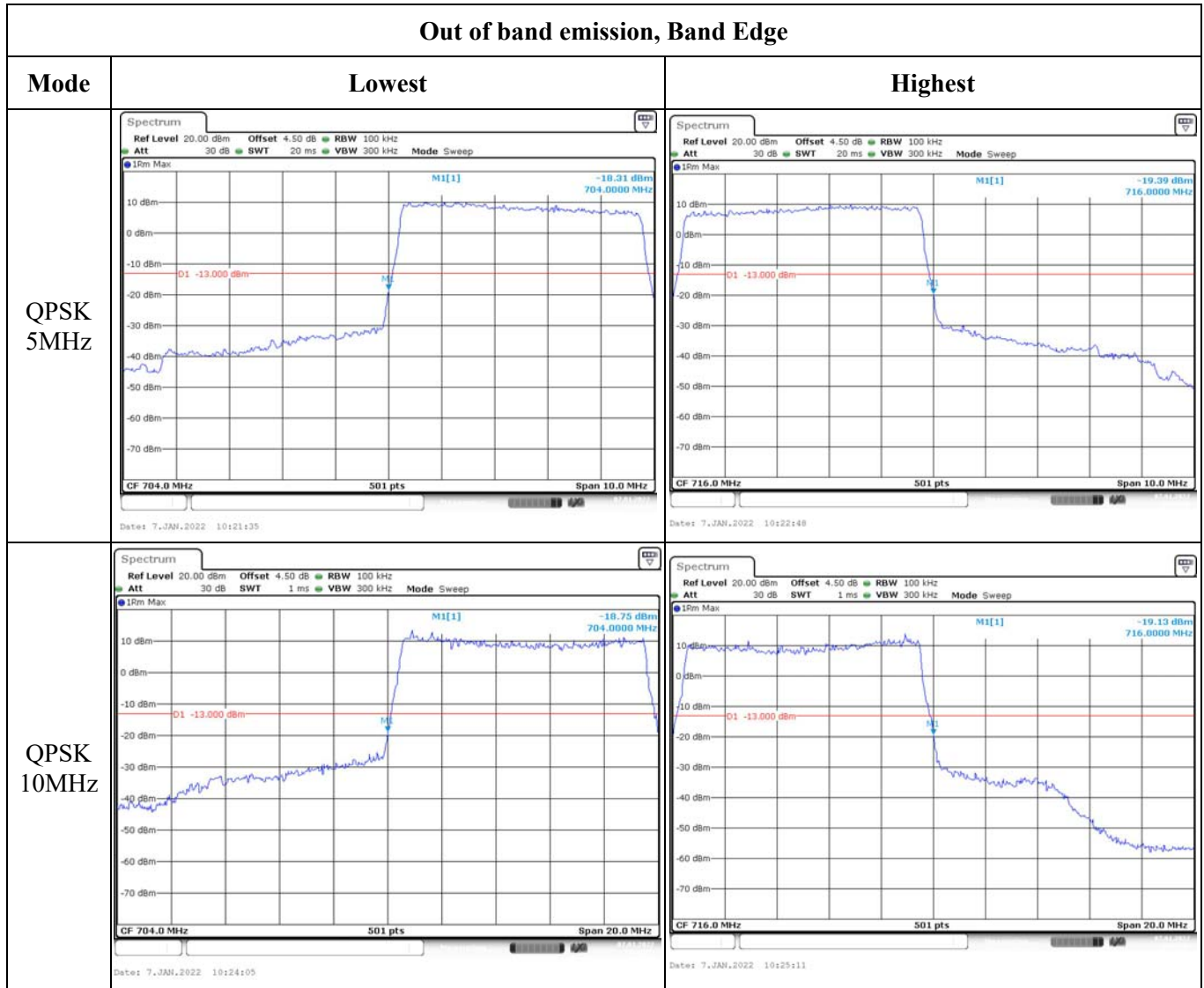
Middle



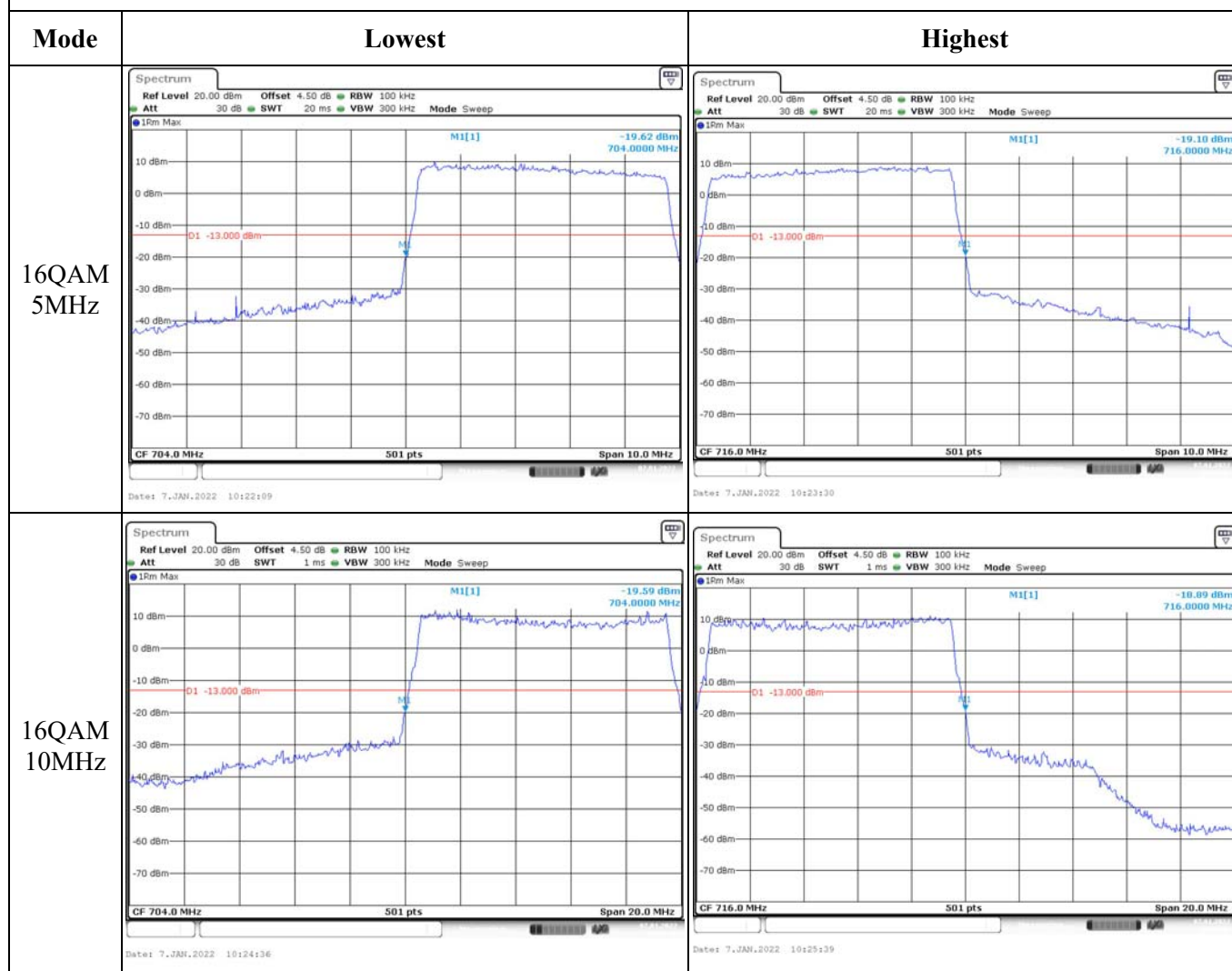
Highest



Out of band emission, Band Edge



Out of band emission, Band Edge



4.10 Antenna Port Test Data and Results for LTE Band 26:

Serial Number:	CR21120041-RF	Test Date:	2022/01/07~2022/01/10
Test Site:	RF	Test Mode:	Transmitting
Tester:	LE Qiao	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.6~23.1	Relative Humidity: (%)	27~41	ATM Pressure: (kPa)	101.2~101.8
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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
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

* 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 26▲:

Antenna Gain (dBi):	3.15	Antenna Gain (dBd):	1	Cable Loss (dB):	0
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	814.7	831.5	848.3
3MHz	815.5	831.5	847.5
5MHz	816.5	831.5	846.5
10MHz	819	831.5	844
15MHz	821.5	831.5	841.5

Test Data:**FCC§2.1046;§ 22.913 (a),§ 90.542****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	22.77	22.71	22.78	23.9	38.45
	RB1#3	22.76	22.68	22.80		
	RB1#5	22.73	22.82	22.83		
	RB3#0	22.76	22.81	22.85		
	RB3#3	22.73	22.90	22.84		
	RB6#0	21.75	21.81	21.75		
1.4MHz 16QAM	RB1#0	22.25	22.46	21.62	23.53	38.45
	RB1#3	22.25	22.47	21.67		
	RB1#5	22.27	22.53	21.59		
	RB3#0	21.84	21.69	21.92		
	RB3#3	21.93	21.77	21.90		
	RB6#0	21.08	20.85	21.05		
3MHz QPSK	RB1#0	22.77	22.73	22.90	23.9	38.45
	RB1#8	22.76	22.72	22.90		
	RB1#14	22.81	22.70	22.89		
	RB6#0	21.76	21.82	21.81		
	RB6#9	21.84	21.78	21.82		
	RB15#0	21.84	21.86	21.84		
3MHz 16QAM	RB1#0	22.07	22.48	21.51	23.48	38.45
	RB1#8	22.07	22.47	21.50		
	RB1#14	21.99	22.46	21.53		
	RB6#0	20.81	20.85	21.03		
	RB6#9	20.95	20.97	20.95		
	RB15#0	20.87	20.82	20.80		
5MHz QPSK	RB1#0	22.83	22.75	22.73	24.03	38.45
	RB1#13	22.94	22.83	22.81		
	RB1#24	23.03	22.91	22.75		
	RB15#0	21.75	21.82	21.87		
	RB15#10	21.79	21.81	21.79		
	RB25#0	21.77	21.69	21.85		
5MHz 16QAM	RB1#0	20.98	21.93	21.43	23.01	38.45
	RB1#13	21.04	21.93	21.45		
	RB1#24	21.07	22.01	21.44		
	RB15#0	20.87	20.86	20.88		
	RB15#10	20.97	20.75	20.83		
	RB25#0	20.98	20.86	20.72		

10MHz QPSK	RB1#0	22.65	22.83	22.78	23.93	38.45
	RB1#25	22.75	22.90	22.79		
	RB1#49	22.78	22.93	22.82		
	RB25#0	21.80	21.72	21.73		
	RB25#25	21.94	21.80	21.73		
	RB50#0	21.90	21.88	21.78		
10MHz 16QAM	RB1#0	21.90	21.90	21.36	23.07	38.45
	RB1#25	22.00	22.00	21.31		
	RB1#49	22.07	21.95	21.30		
	RB25#0	20.86	20.96	21.28		
	RB25#25	20.90	20.99	21.01		
	RB50#0	20.93	21.00	21.23		
15MHz QPSK	RB1#0	22.68	22.87	22.73	23.92	38.45
	RB1#38	22.80	22.90	22.75		
	RB1#74	22.73	22.92	22.77		
	RB36#0	21.92	21.84	21.72		
	RB36#39	21.93	21.79	21.82		
	RB75#0	21.89	21.77	21.82		
15MHz 16QAM	RB1#0	22.09	22.00	22.09	23.29	38.45
	RB1#38	22.29	21.92	22.22		
	RB1#74	22.25	22.07	22.21		
	RB36#0	20.90	21.01	20.82		
	RB36#39	20.93	21.24	20.87		
	RB75#0	20.82	20.98	21.22		

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	
15MHz QPSK	RB1#0	5.65	5.88	5.71	13
	RB75#0	4.96	5.19	5.25	13
15MHz 16QAM	RB1#0	6.70	6.52	6.41	13
	RB75#0	5.83	6.20	6.09	13
				Result:	Pass

FCC §2.1049, §22.905, §90.209: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	1.260	1.260
1.4MHz 16QAM	1.108	1.090	1.102	1.266	1.254	1.254
3MHz QPSK	2.683	2.695	2.695	2.988	2.988	3.012
3MHz 16QAM	2.695	2.683	2.695	3.000	2.988	3.012
5MHz QPSK	4.511	4.511	4.511	4.960	5.000	4.960
5MHz 16QAM	4.491	4.531	4.531	4.980	5.000	5.000
10MHz QPSK	8.942	8.901	8.942	9.800	9.720	9.760
10MHz 16QAM	8.942	8.981	8.942	9.720	9.760	9.840
15MHz QPSK	13.533	13.413	13.533	15.000	14.880	15.120
15MHz 16QAM	13.533	13.473	13.533	15.000	15.120	15.060

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

FCC §2.1051, §22.917(a),§90.543:Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
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FCC §2.1051, §22.917(a),§90.543:Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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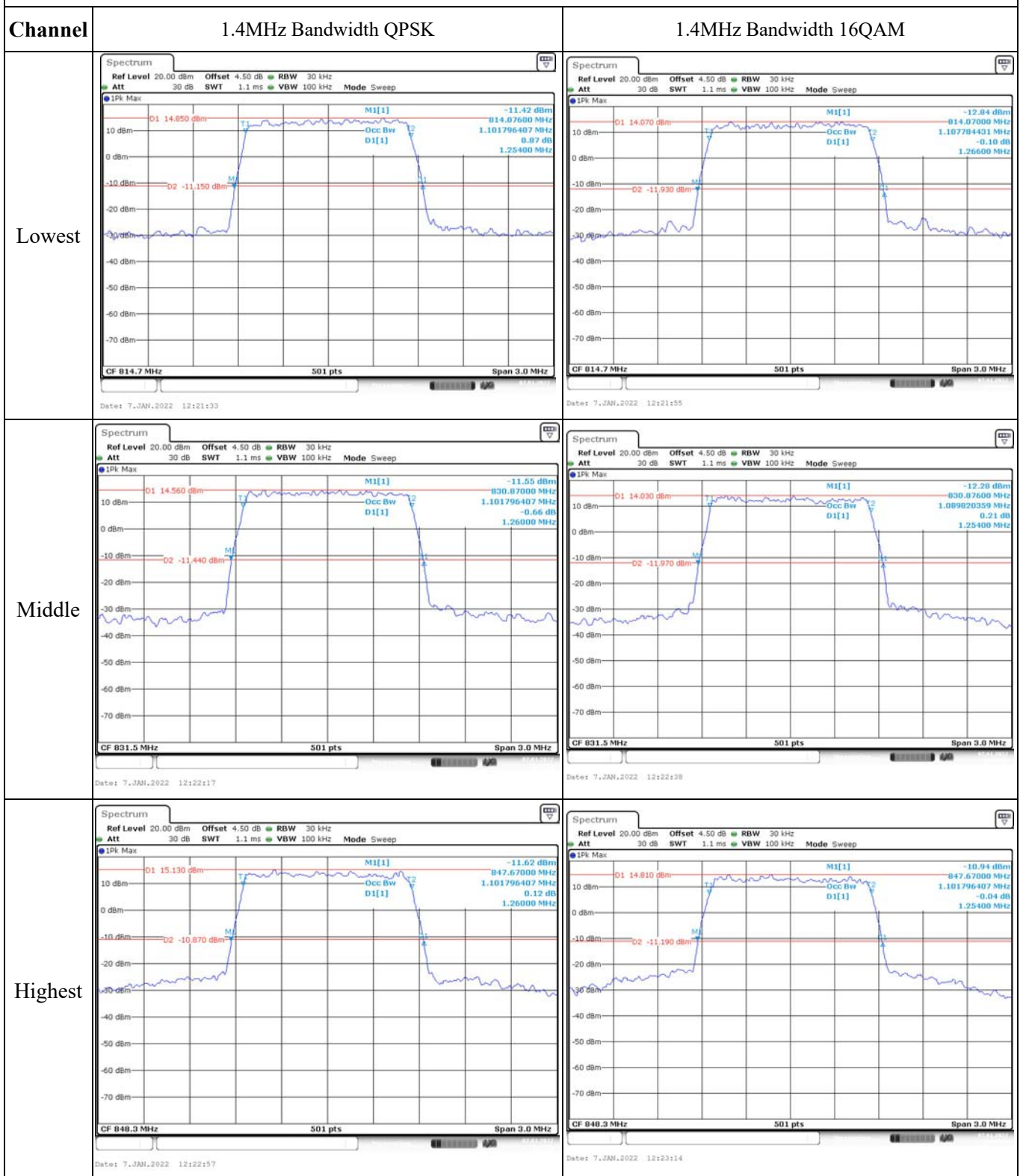
FCC §2.1055, §22.355,§90.213: Frequency Stability

Test Mode:	15 MHz QPSK		Test Channel:	831.5	MHz
Test Item	Temperature (°C)	Voltage (V _{dc})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.7	-11.73	-0.014	2.5
	-20	3.7	-9.03	-0.011	2.5
	-10	3.7	-7.63	-0.009	2.5
	0	3.7	-7.86	-0.009	2.5
	10	3.7	-8.31	-0.010	2.5
	20	3.7	7.36	0.009	2.5
	30	3.7	-5.79	-0.007	2.5
	40	3.7	-6.50	-0.008	2.5
	50	3.7	7.33	0.009	2.5
Frequency Stability vs. Voltage	20	3.5	-8.23	-0.010	2.5
	20	4.2	8.57	0.010	2.5
Result:				Pass	

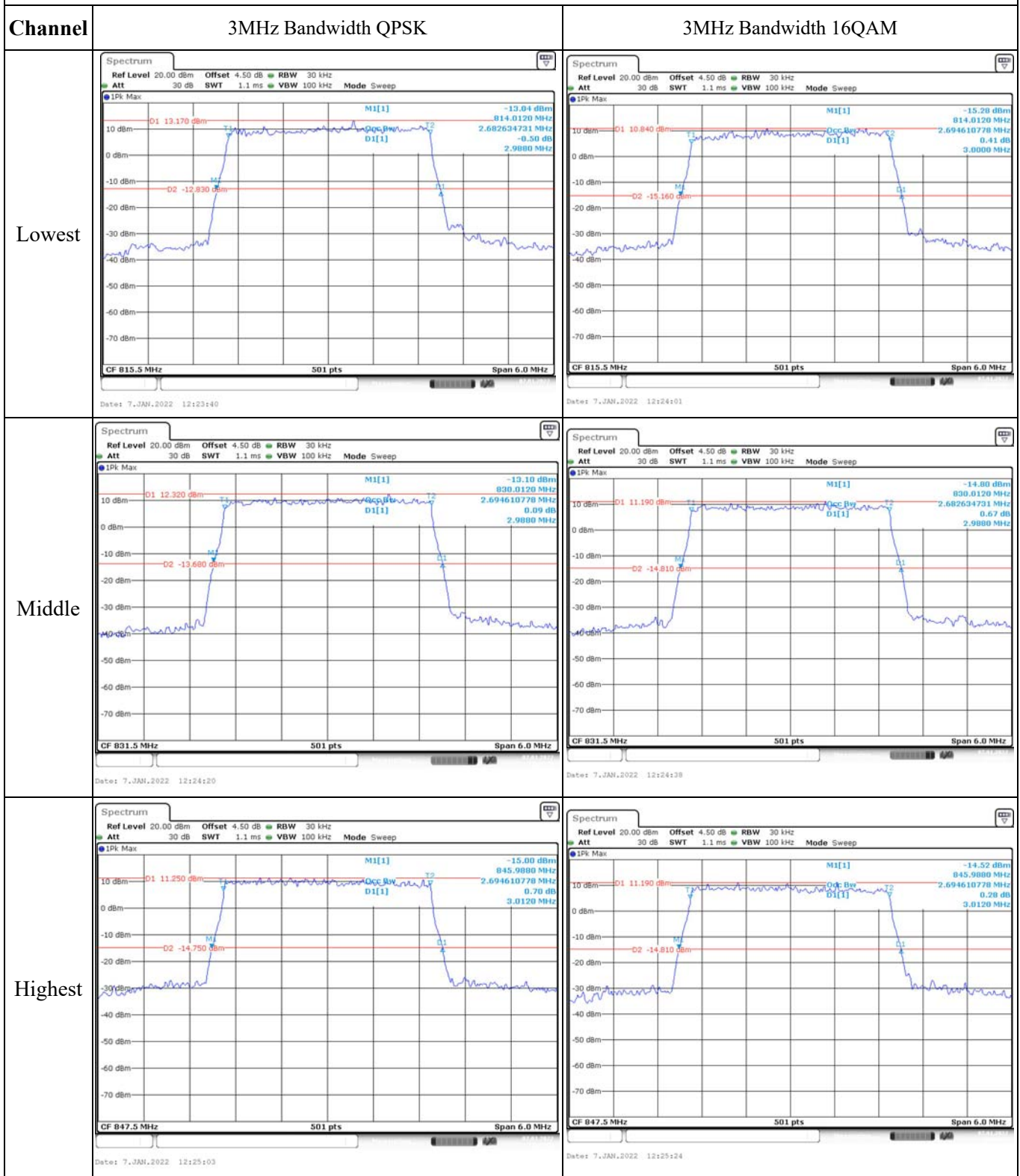
Test Mode:	15 MHz 16QAM		Test Channel:	831.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.7	-11.77	-0.014	2.5
	-20	3.7	-6.67	-0.008	2.5
	-10	3.7	6.98	0.008	2.5
	0	3.7	-7.93	-0.010	2.5
	10	3.7	-5.99	-0.007	2.5
	20	3.7	-7.34	-0.009	2.5
	30	3.7	-6.91	-0.008	2.5
	40	3.7	5.30	0.006	2.5
	50	3.7	-6.21	-0.007	2.5
Frequency Stability vs. Voltage	20	3.5	-8.67	-0.010	2.5
	20	4.2	8.01	0.010	2.5
				Result:	Pass

Test Plots:

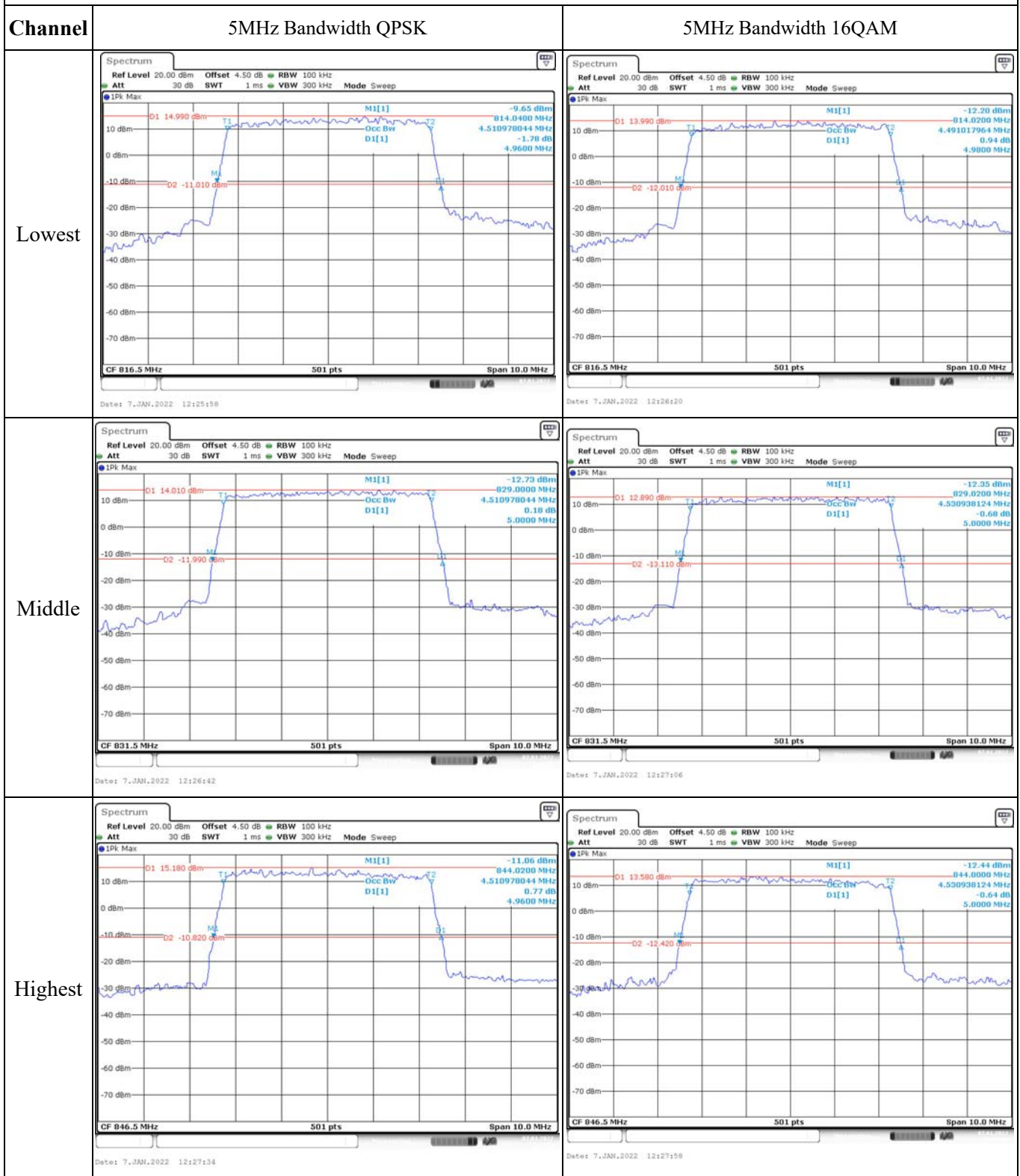
Occupied Bandwidth



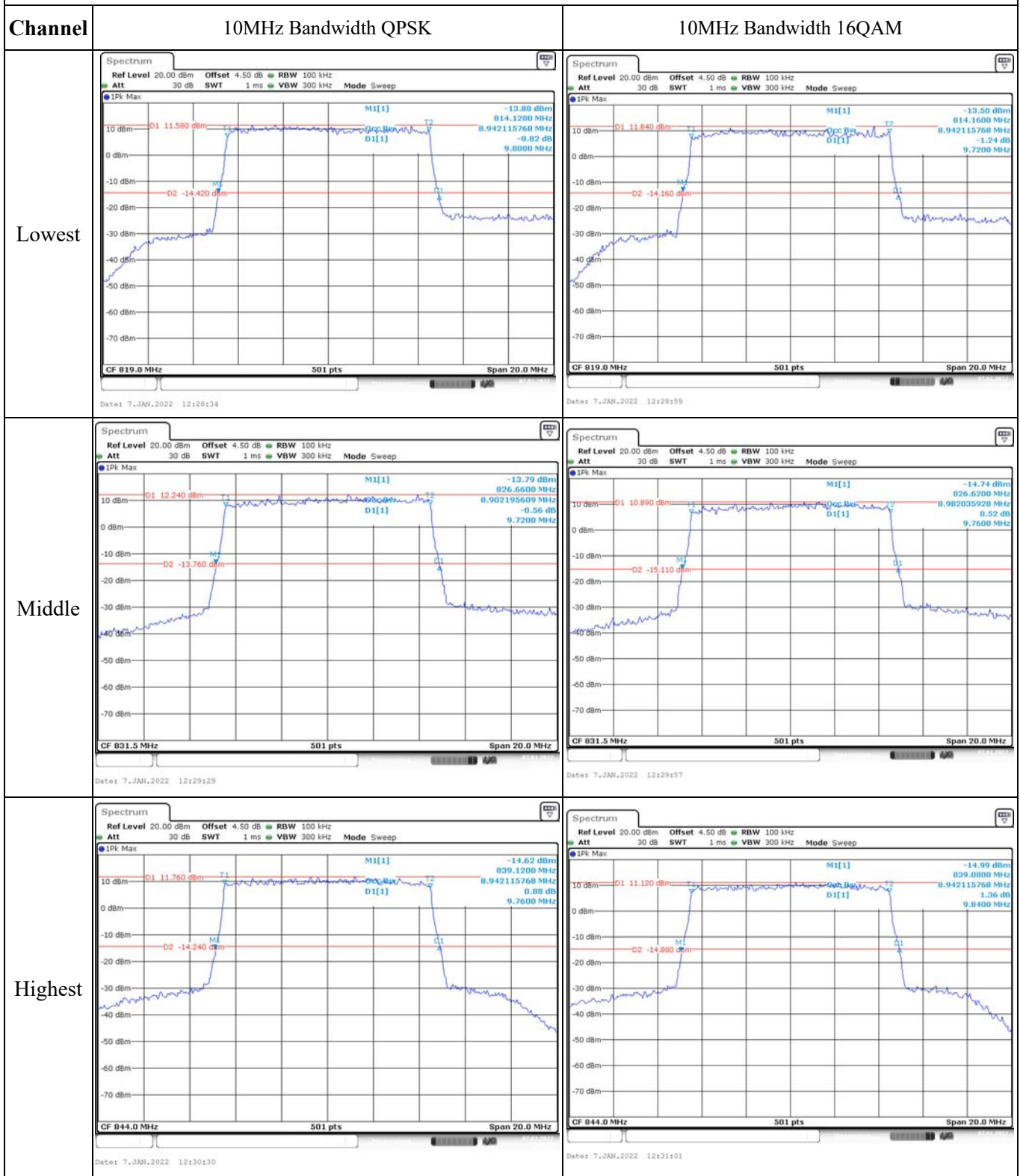
Occupied Bandwidth



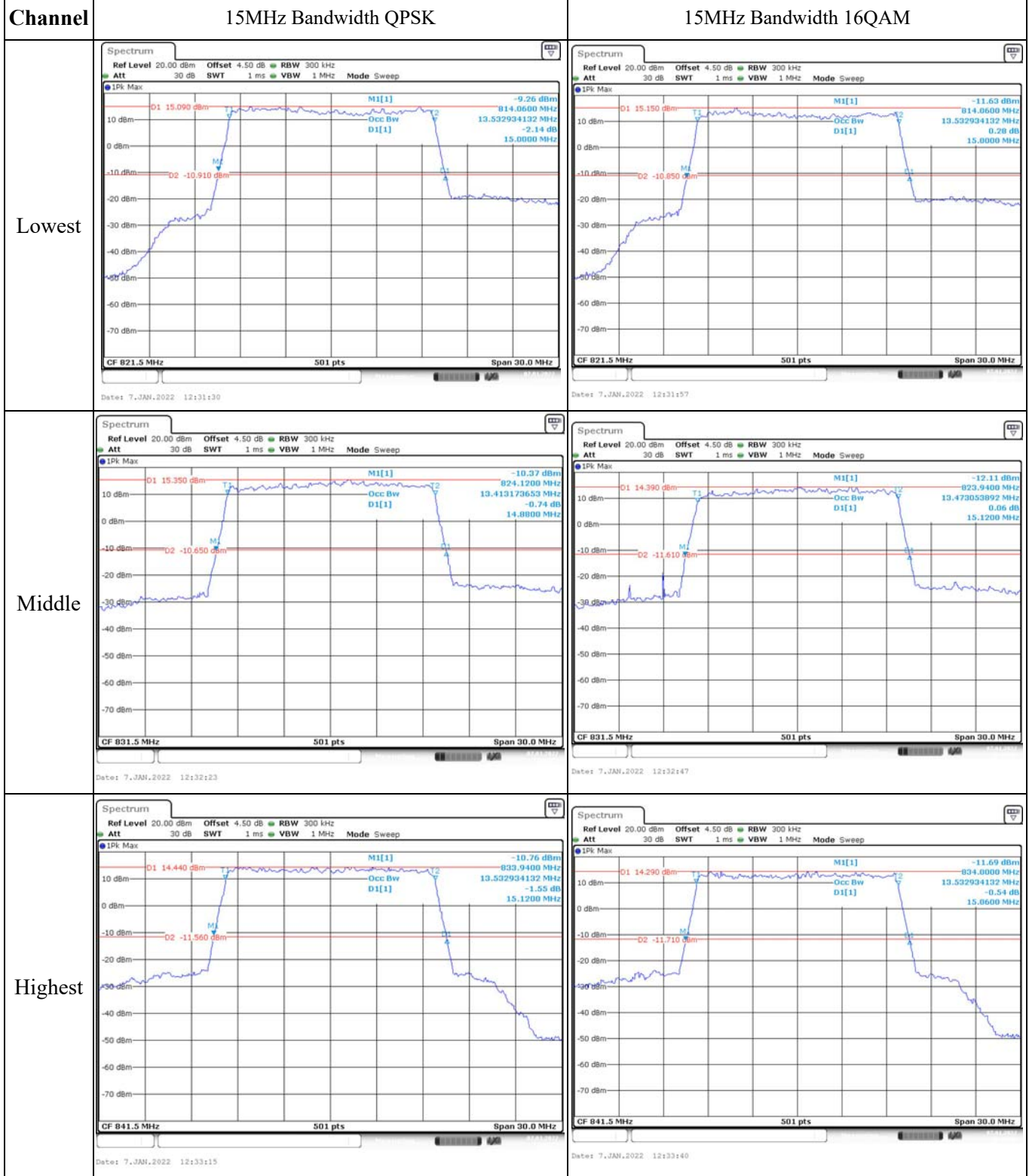
Occupied Bandwidth



Occupied Bandwidth



Occupied Bandwidth

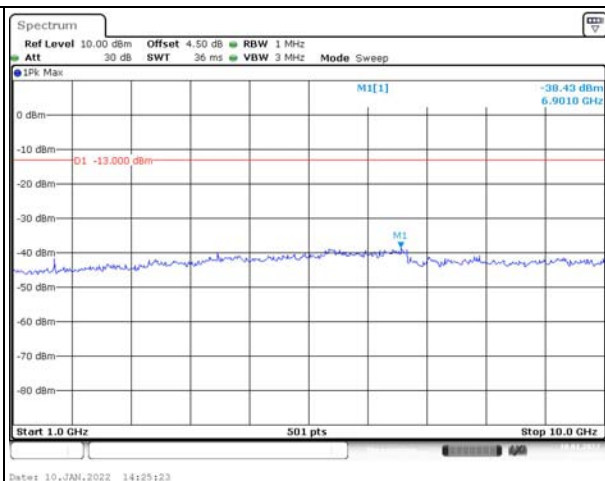
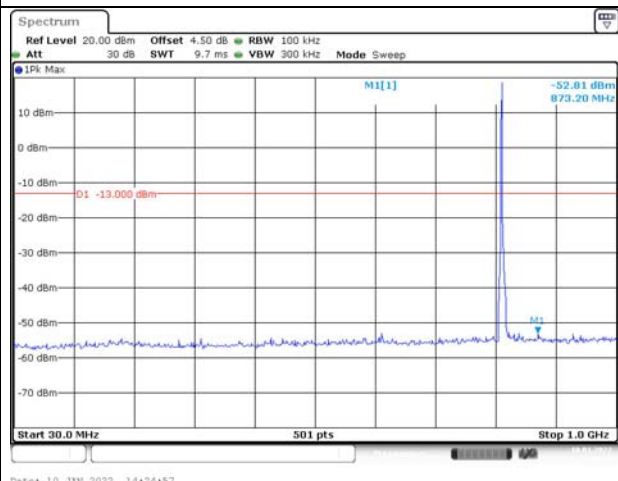


Spurious Emissions at Antenna Terminal

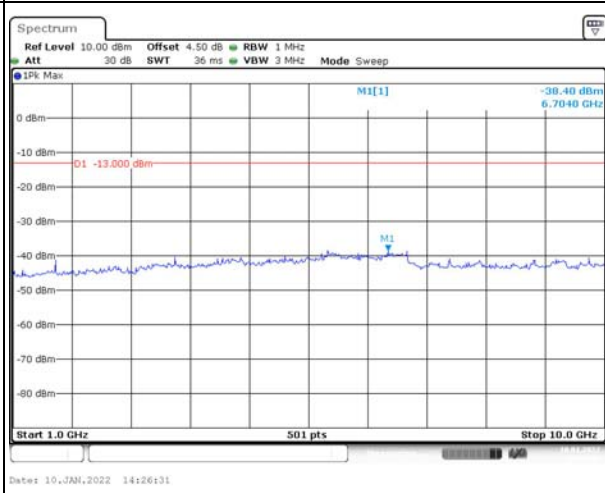
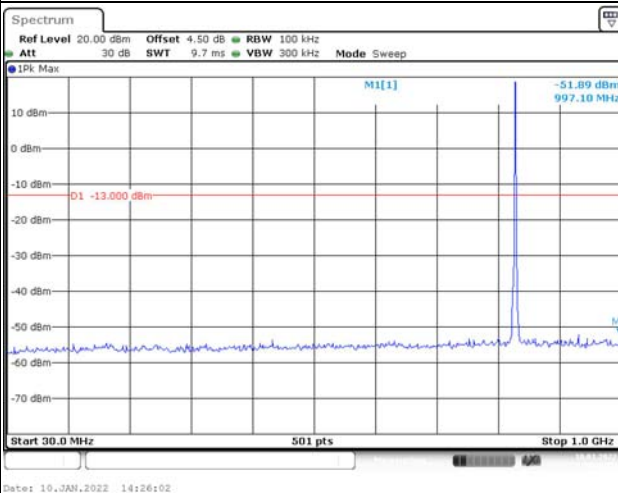
Channel

1.4MHz Bandwidth QPSK

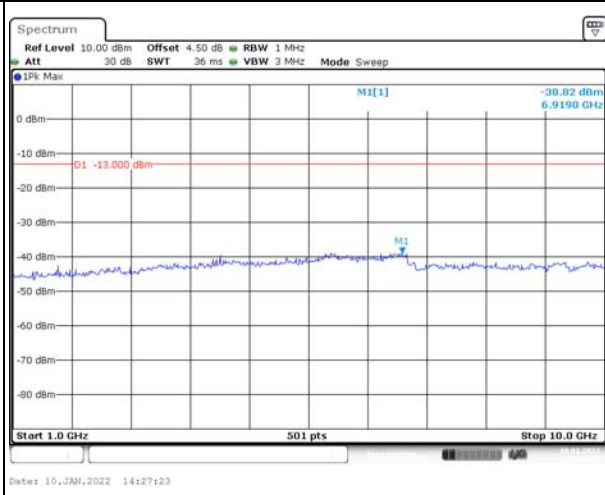
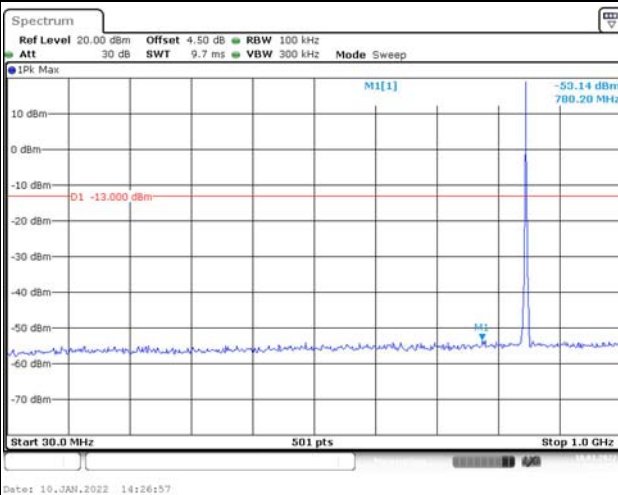
Lowest



Middle



Highest

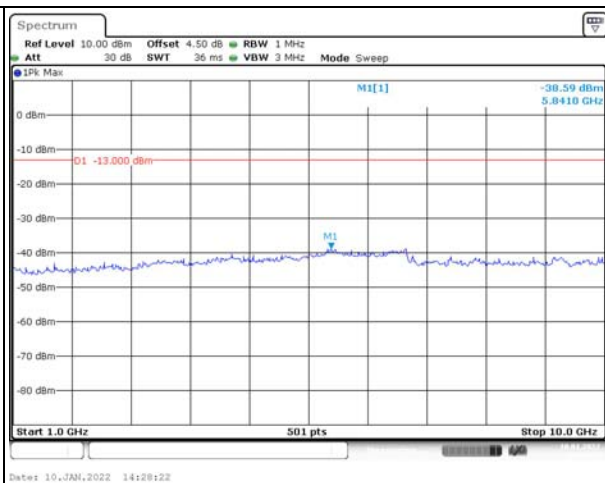
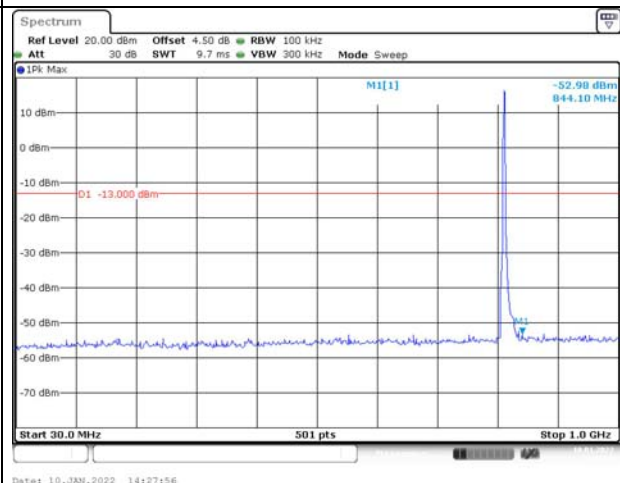


Spurious Emissions at Antenna Terminal

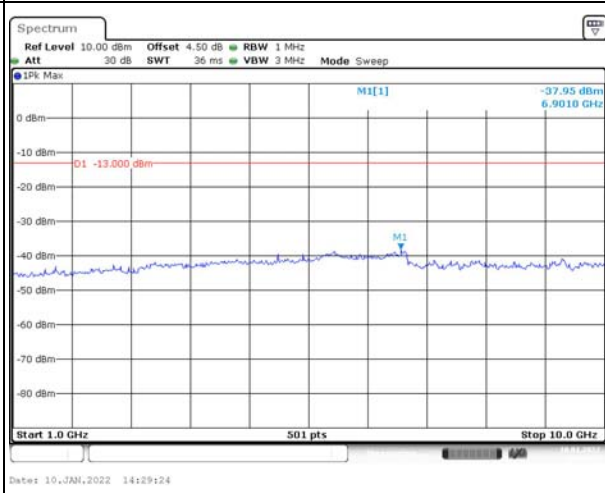
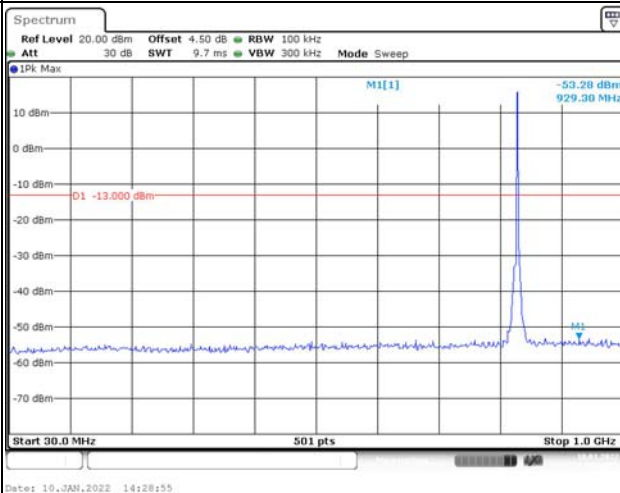
Channel

3MHz Bandwidth QPSK

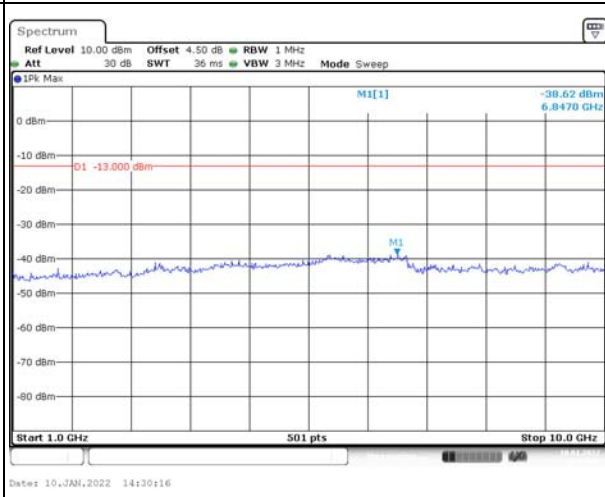
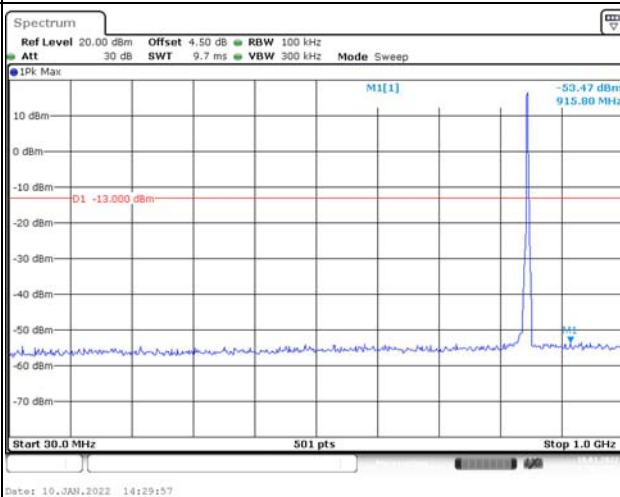
Lowest



Middle



Highest

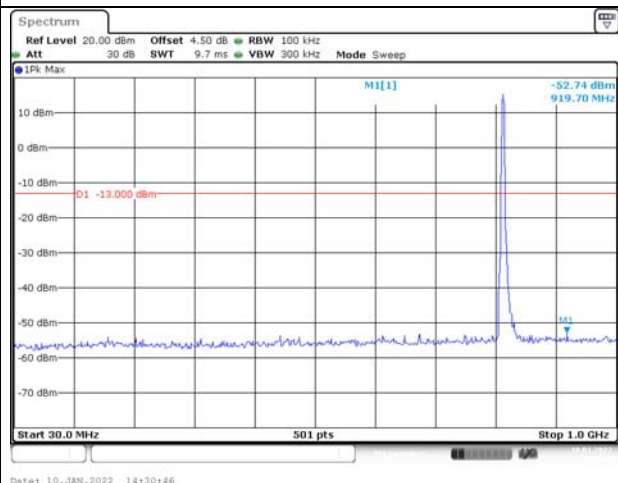


Spurious Emissions at Antenna Terminal

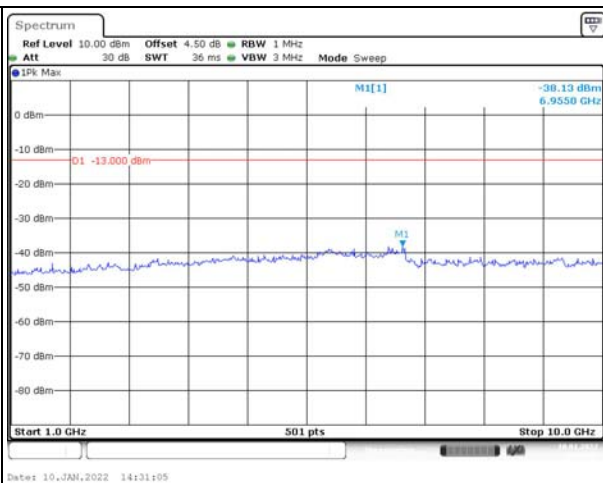
Channel

5MHz Bandwidth QPSK

Lowest

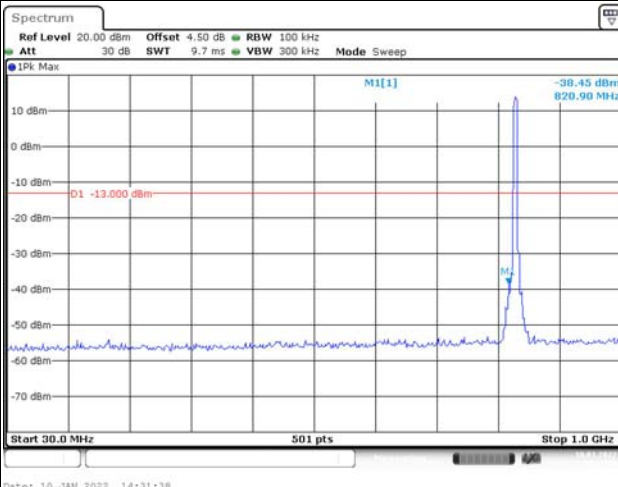


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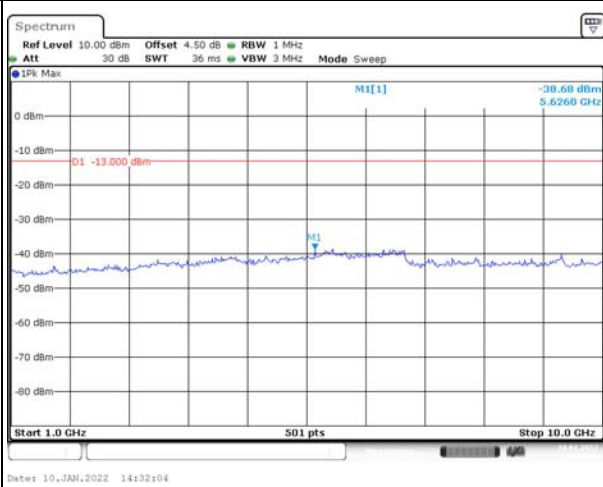


Dates: 10, JAN, 2022 14:31:05

Middle

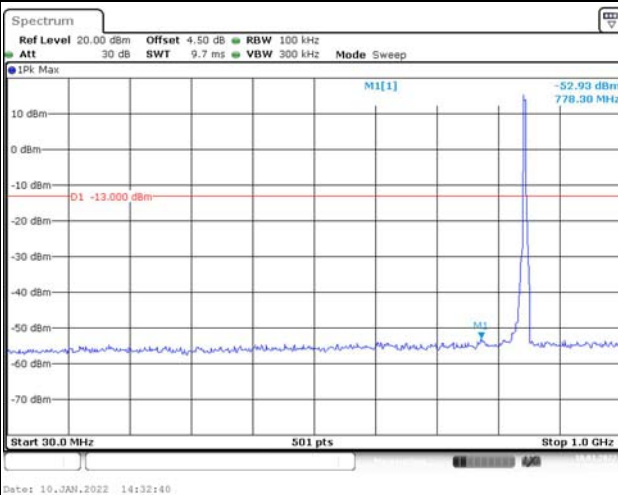


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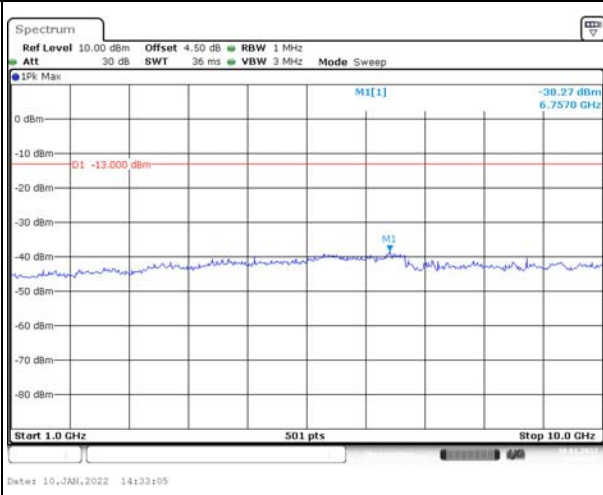


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Highest



Dates: 10, JAN, 2022 14:32:40



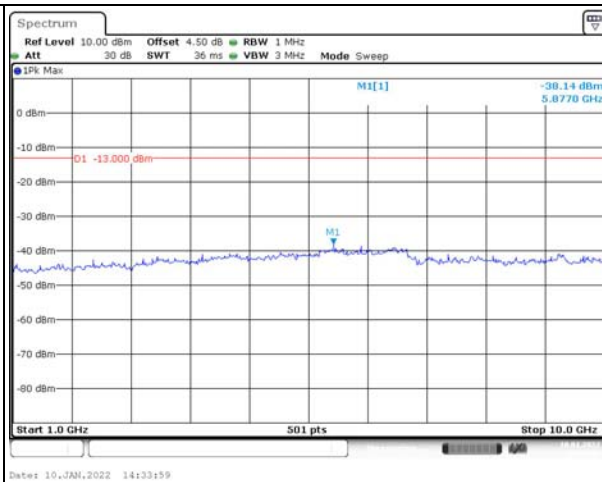
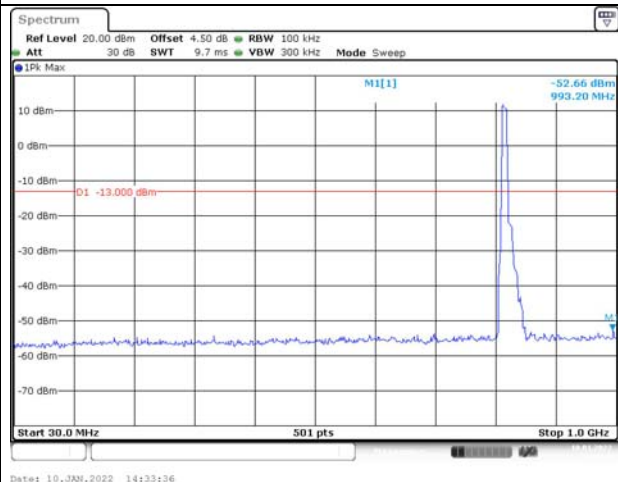
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Spurious Emissions at Antenna Terminal

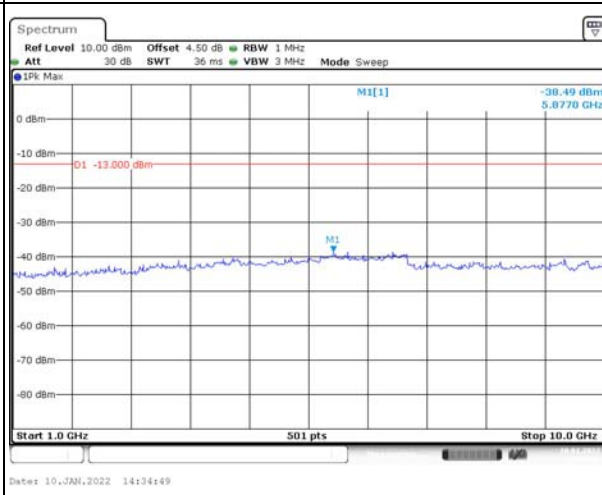
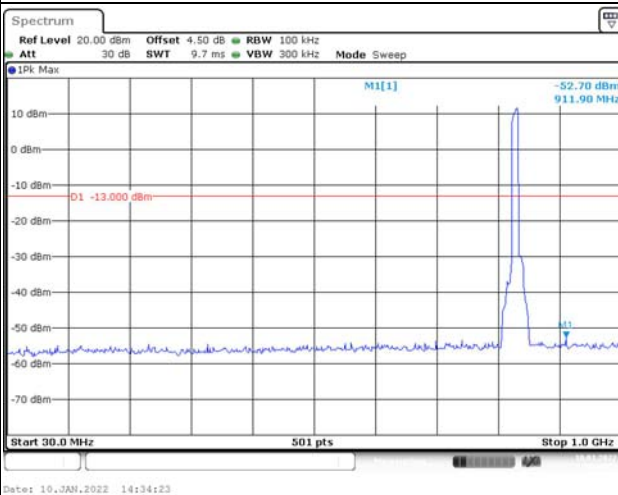
Channel

10MHz Bandwidth QPSK

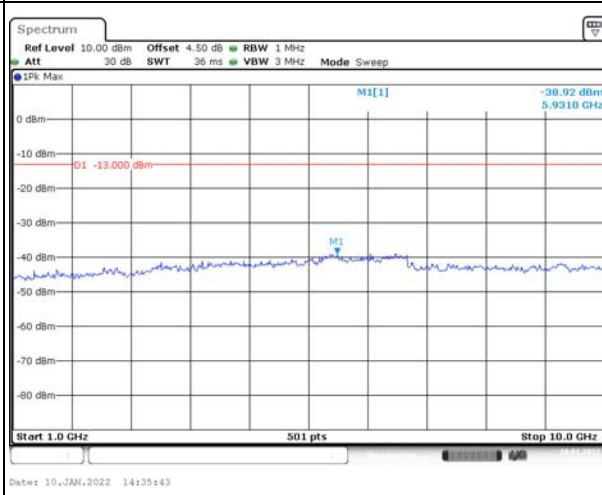
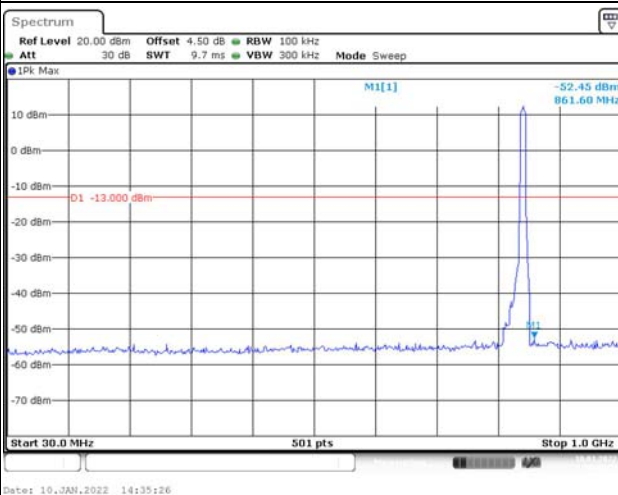
Lowest



Middle



Highest

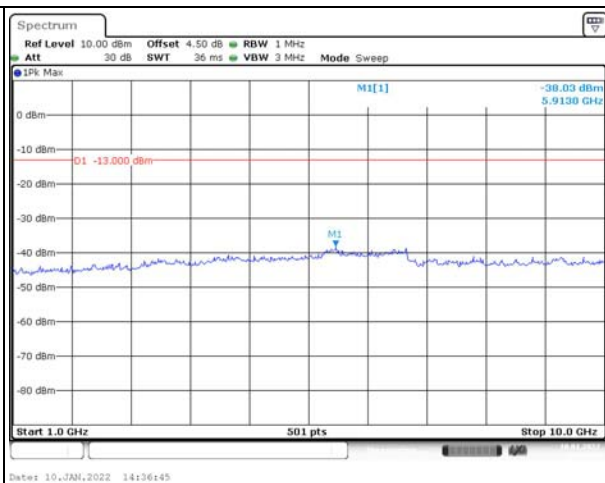
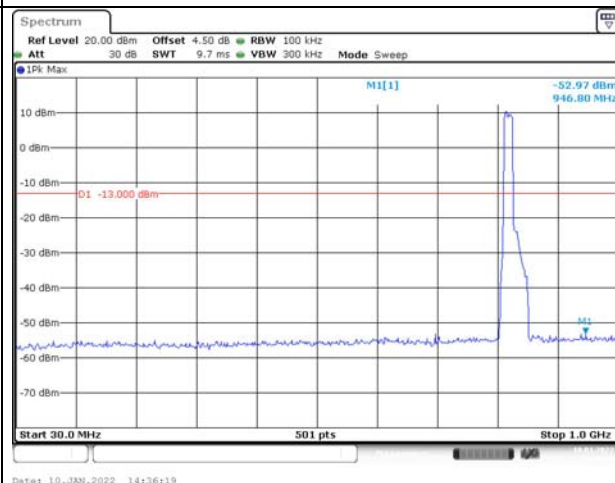


Spurious Emissions at Antenna Terminal

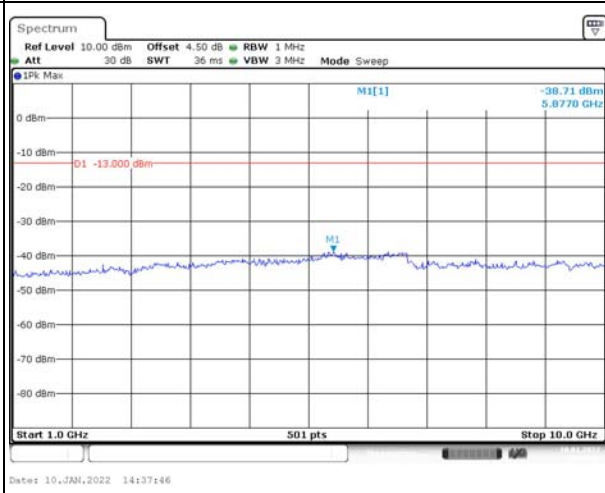
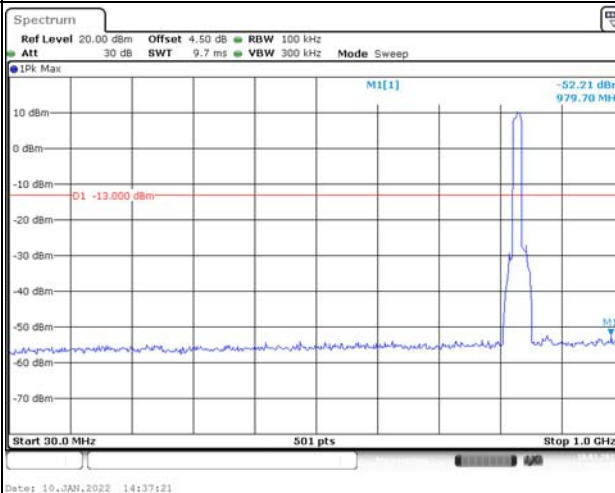
Channel

15MHz Bandwidth QPSK

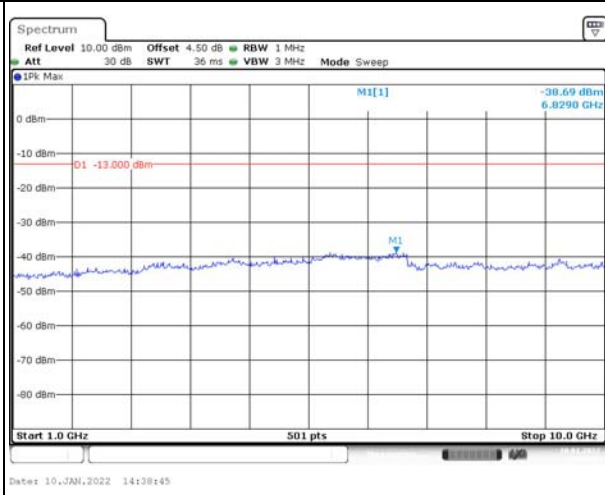
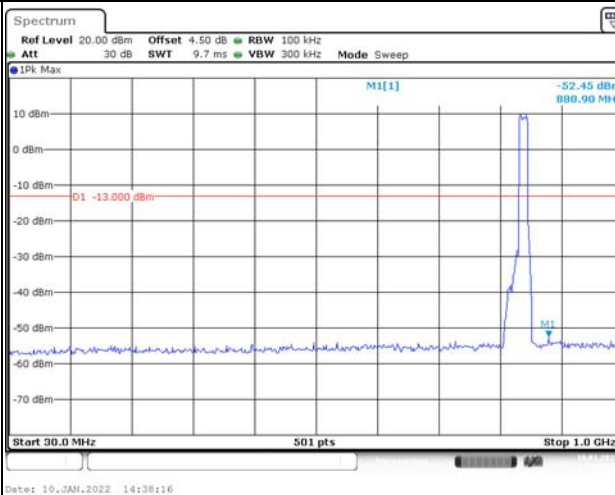
Lowest



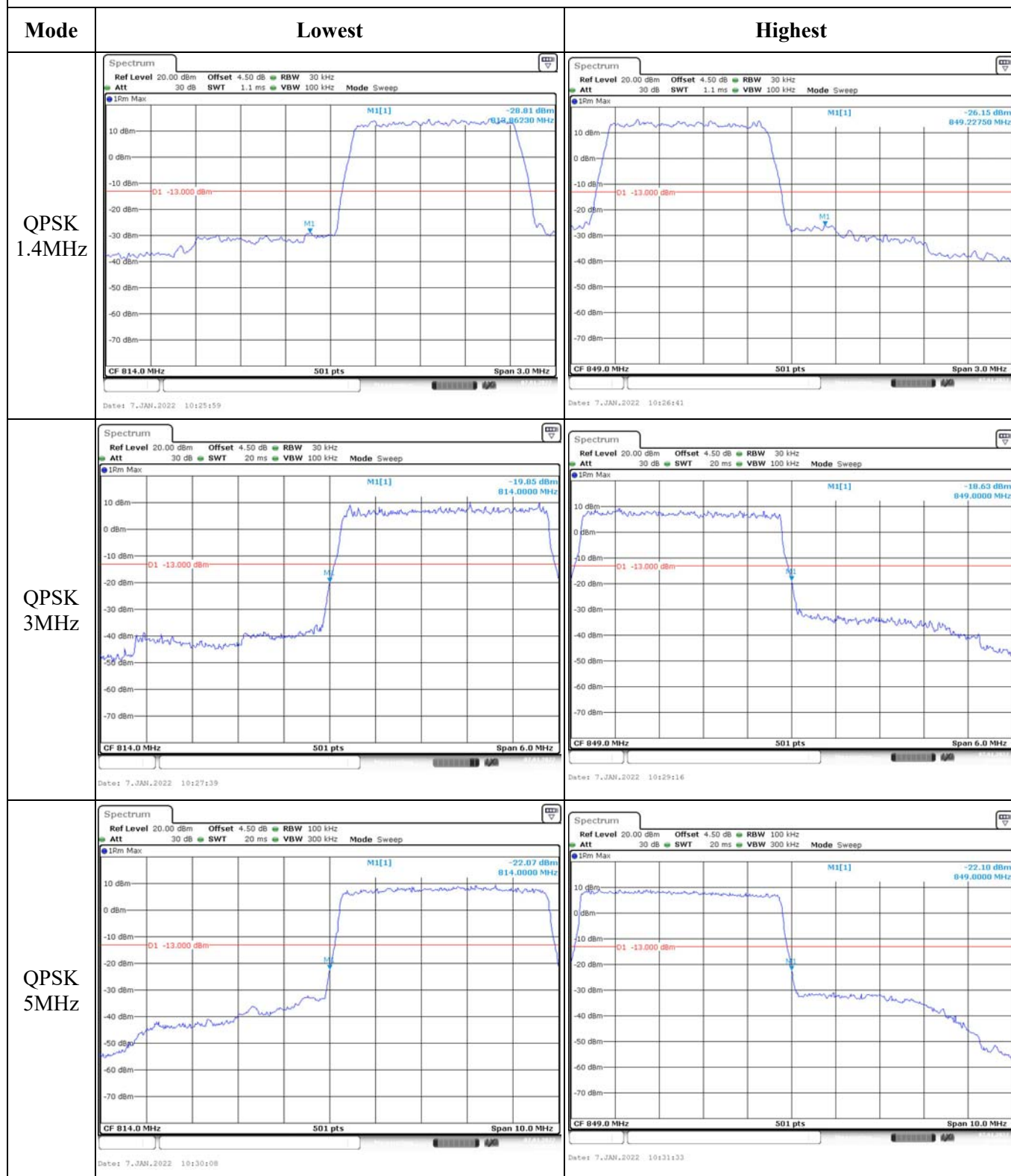
Middle



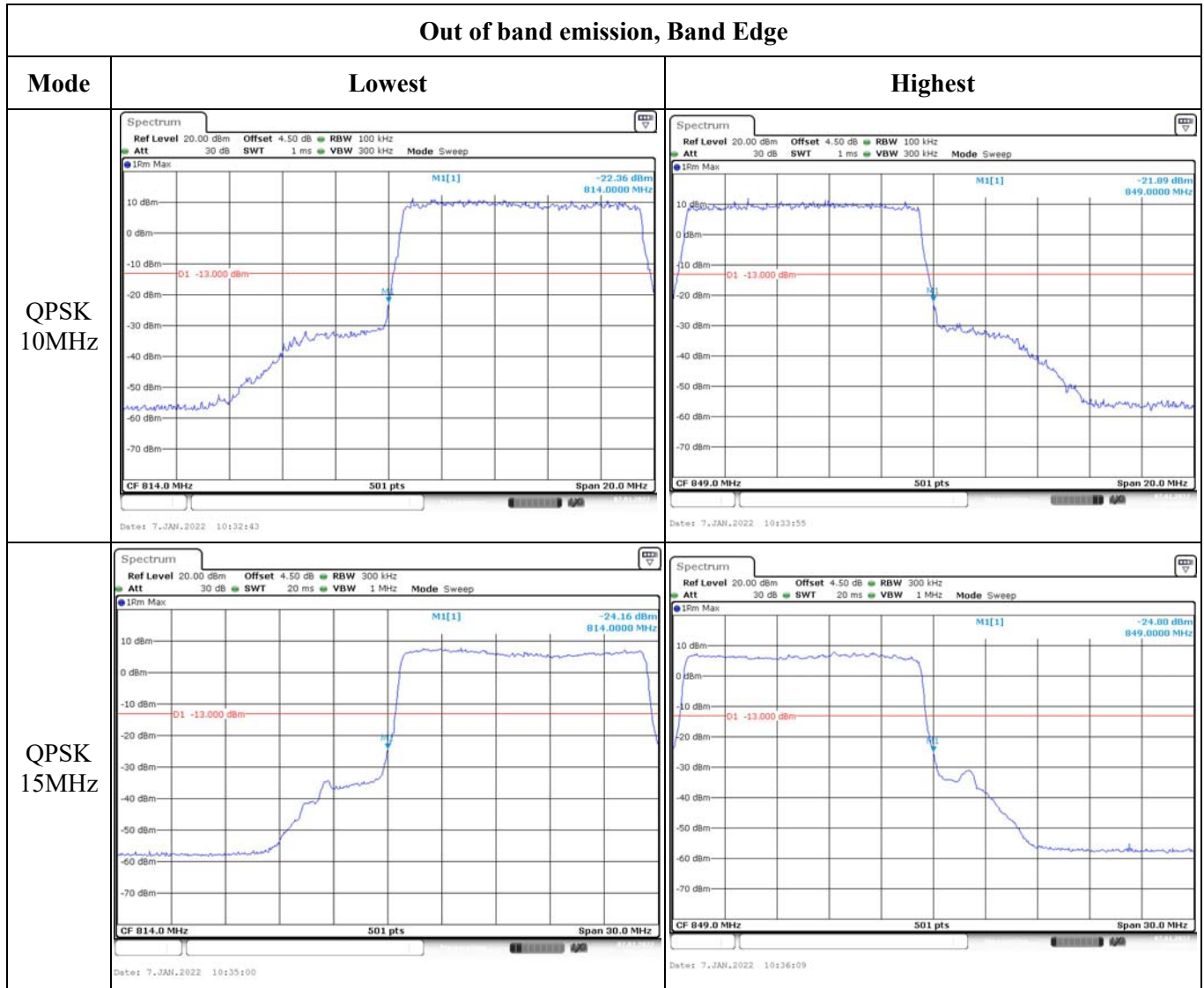
Highest



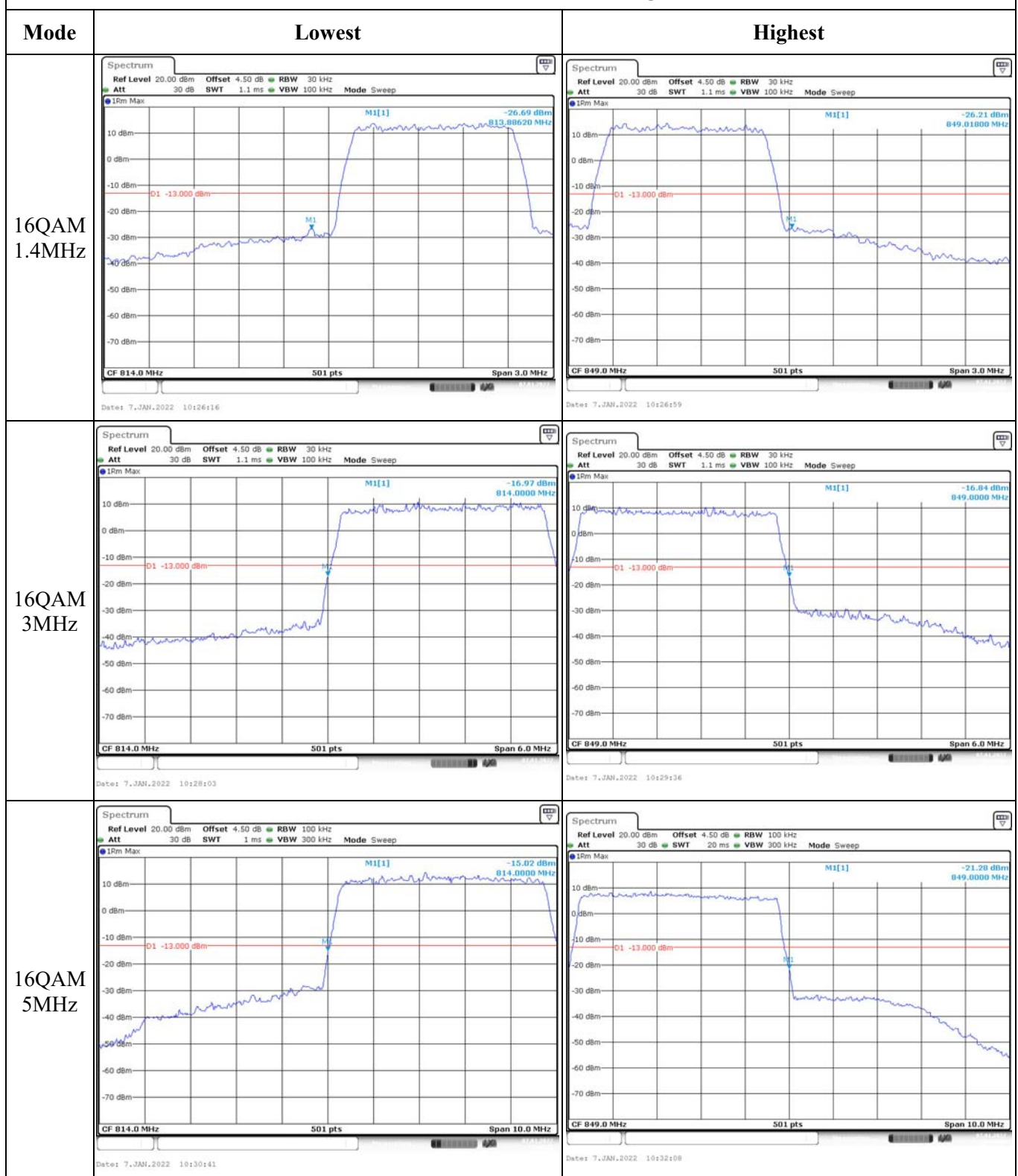
Out of band emission, Band Edge



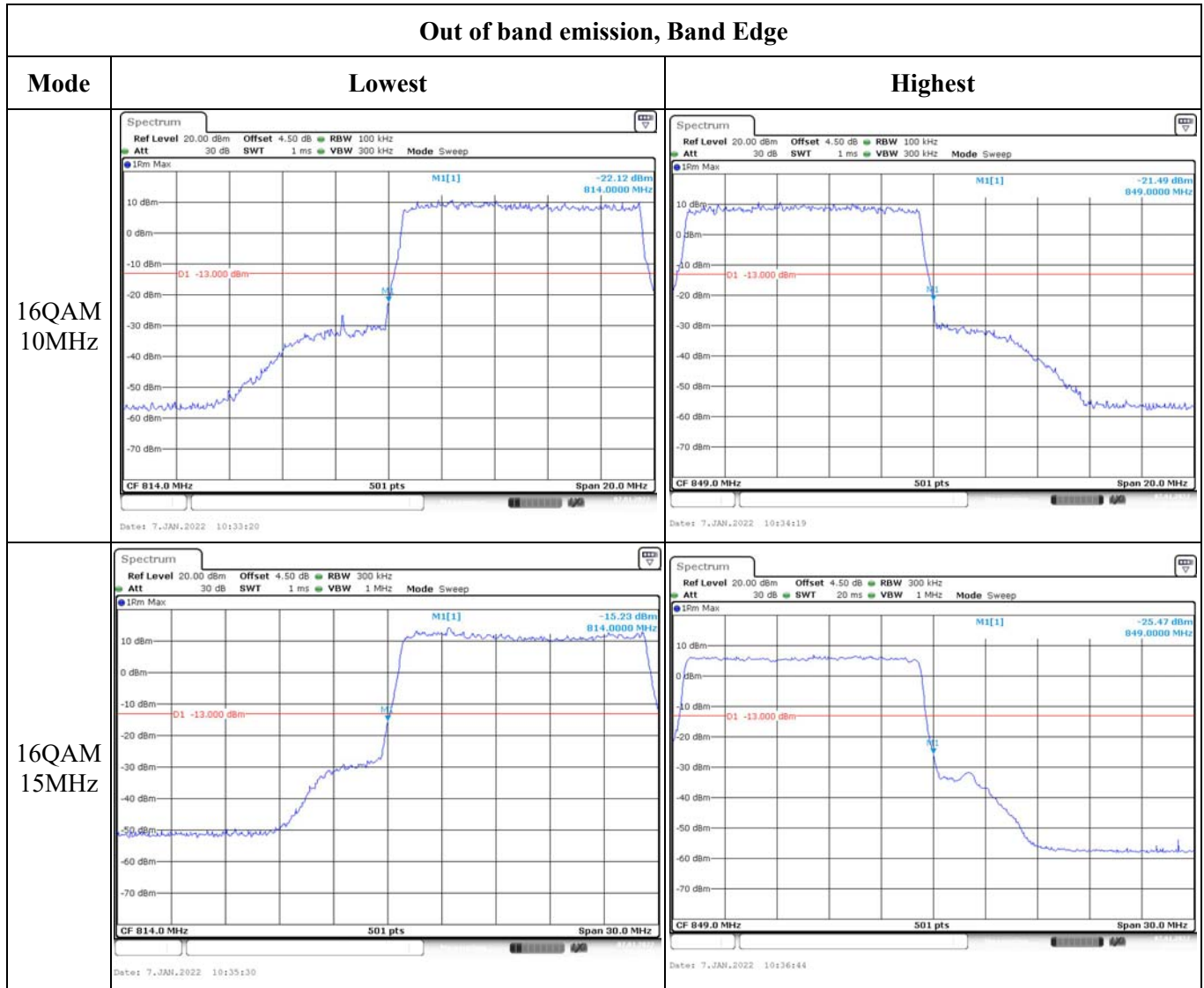
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.11 Antenna Port Test Data and Results for LTE Band 41:

Serial Number:	CR21120041-RF	Test Date:	2021/11/24~2021/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	LE Qiao	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.1~23.2	Relative Humidity: (%)	36	ATM Pressure: (kPa)	101.3~101.7
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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
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 41▲:

Antenna Gain (dBi):	1	Cable Loss (dB):	0
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	2537.5	2595	2652.5
10MHz	2540	2595	2650
15MHz	2542.5	2595	2647.5
20MHz	2545	2595	2645

Test Data:**FCC§2.1046;§ 27.50(h)(2)****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		
5MHz QPSK	RB1#0	20.91	21.10	20.28	22.5	33
	RB1#13	21.41	21.06	20.21		
	RB1#24	21.50	20.93	20.20		
	RB15#0	20.49	20.06	19.41		
	RB15#10	20.39	19.94	19.40		
	RB25#0	20.43	20.09	19.36		
5MHz 16QAM	RB1#0	20.81	20.46	19.52	21.87	33
	RB1#13	20.87	20.43	19.55		
	RB1#24	20.33	20.35	19.35		
	RB15#0	19.66	19.41	19.81		
	RB15#10	19.66	19.30	19.79		
	RB25#0	19.69	19.35	19.51		
10MHz QPSK	RB1#0	21.57	21.35	20.68	22.61	33
	RB1#25	21.61	21.29	20.72		
	RB1#49	21.56	21.24	20.63		
	RB25#0	20.57	20.30	19.69		
	RB25#25	20.47	20.21	19.74		
	RB50#0	20.53	20.26	19.65		
10MHz 16QAM	RB1#0	20.50	20.62	19.70	21.94	33
	RB1#25	20.46	20.94	19.93		
	RB1#49	20.42	20.79	20.21		
	RB25#0	19.61	19.55	19.97		
	RB25#25	19.63	19.50	19.91		
	RB50#0	19.71	19.40	19.87		
15MHz QPSK	RB1#0	21.50	21.42	20.51	22.51	33
	RB1#38	21.51	21.36	20.49		
	RB1#74	21.47	21.16	20.54		
	RB36#0	20.40	20.11	19.68		
	RB36#39	20.42	20.11	19.77		
	RB75#0	20.48	20.16	19.62		
15MHz 16QAM	RB1#0	20.72	20.71	20.03	21.72	33
	RB1#38	20.72	20.33	20.01		
	RB1#74	20.59	20.54	19.96		
	RB36#0	19.68	19.58	19.85		
	RB36#39	19.55	19.55	19.87		
	RB75#0	19.61	19.49	19.81		
20MHz QPSK	RB1#0	21.34	21.08	20.71	22.34	33

	RB1#50	21.32	21.03	20.55		
	RB1#99	21.32	20.94	20.61		
	RB50#0	20.33	20.16	19.64		
	RB50#50	20.30	19.99	19.42		
	RB100#0	20.39	20.15	19.45		
20MHz 16QAM	RB1#0	20.88	19.93	20.41	21.88	33
	RB1#50	20.68	19.82	20.39		
	RB1#99	20.70	19.81	20.33		
	RB50#0	19.68	19.39	18.82		
	RB50#50	19.69	19.31	19.78		
	RB100#0	19.59	19.43	19.72		
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	6.38	6.52	5.94	13
	RB100#0	7.22	6.52	7.71	13
20MHz 16QAM	RB1#0	5.86	6.46	5.83	13
	RB100#0	6.17	7.74	5.94	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	4.511	4.491	4.511	4.960	4.960	5.100
5MHz 16QAM	4.511	4.511	4.511	5.000	4.960	5.000
10MHz QPSK	8.981	8.942	8.981	9.840	9.880	9.800
10MHz 16QAM	8.942	8.942	8.981	9.680	9.800	9.840
15MHz QPSK	13.533	13.473	13.473	15.780	15.360	15.480
15MHz 16QAM	13.533	13.533	13.593	15.180	15.660	15.780
20MHz QPSK	18.044	17.964	17.964	19.680	19.600	19.680
20MHz 16QAM	17.884	17.964	17.964	19.600	20.240	19.680

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.
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FCC §2.1051, § 27.53:Out of band emission, Band Edge

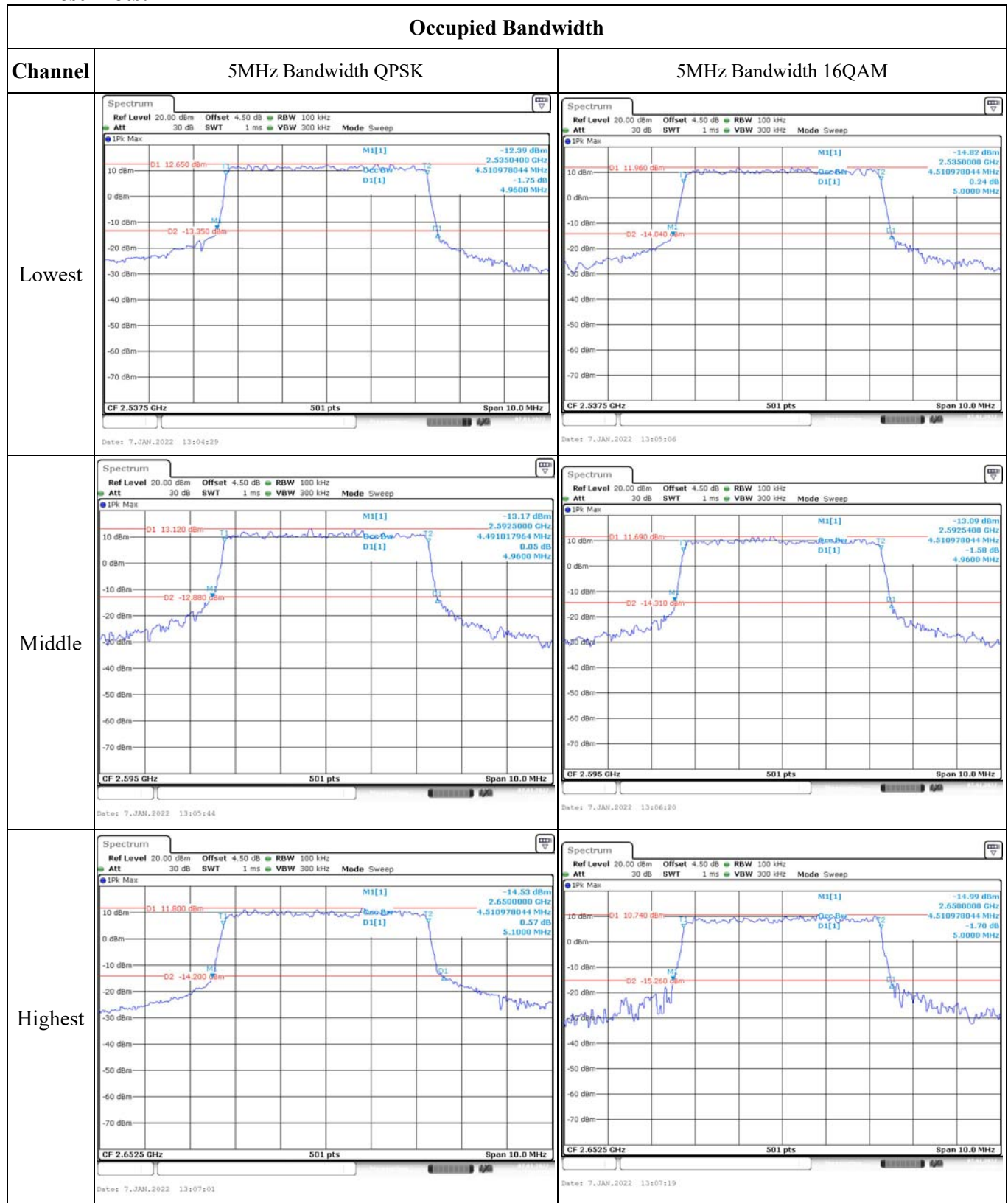
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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FCC §2.1055, §27.54: Frequency Stability

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	3.7	2535.514	2535.00	2654.485	2655
	-20	3.7	2535.513	2535.00	2654.486	2655
	-10	3.7	2535.514	2535.00	2654.487	2655
	0	3.7	2535.517	2535.00	2654.486	2655
	10	3.7	2535.512	2535.00	2654.488	2655
	20	3.7	2535.514	2535.00	2654.486	2655
	30	3.7	2535.517	2535.00	2654.489	2655
	40	3.7	2535.514	2535.00	2654.482	2655
	50	3.7	2535.513	2535.00	2654.489	2655
Frequency Stability vs. Voltage	20	3.5	2535.514	2535.00	2654.486	2655
	20	4.2	2535.518	2535.00	2654.480	2655
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	3.7	2535.514	2535.00	2654.486	2655
	-20	3.7	2535.512	2535.00	2654.488	2655
	-10	3.7	2535.514	2535.00	2654.486	2655
	0	3.7	2535.517	2535.00	2654.489	2655
	10	3.7	2535.513	2535.00	2654.480	2655
	20	3.7	2535.514	2535.00	2654.486	2655
	30	3.7	2535.513	2535.00	2654.487	2655
	40	3.7	2535.514	2535.00	2654.486	2655
	50	3.7	2535.518	2535.00	2654.482	2655
Frequency Stability vs. Voltage	20	3.5	2535.514	2535.00	2654.486	2655
	20	4.2	2535.519	2535.00	2654.481	2655
Result:					Pass	

Test Plots:



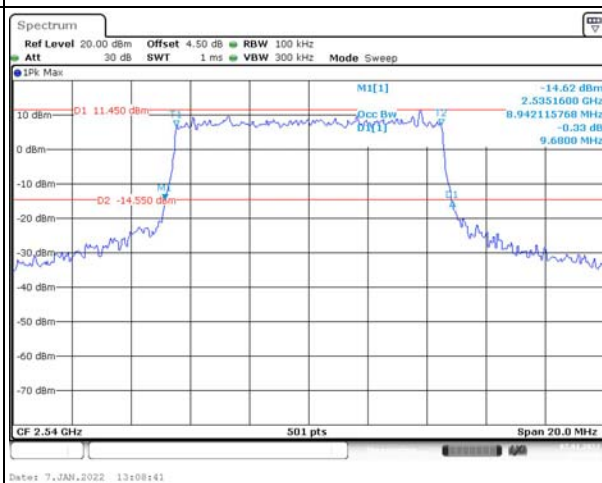
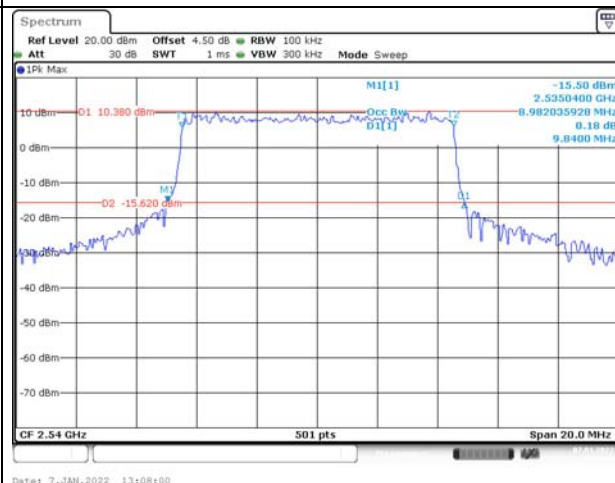
Occupied Bandwidth

Channel

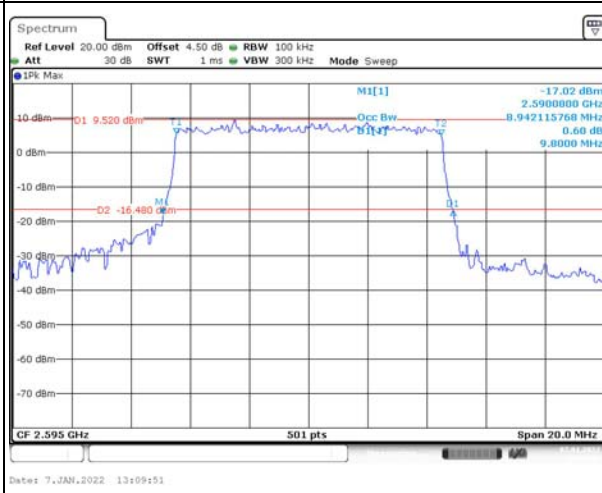
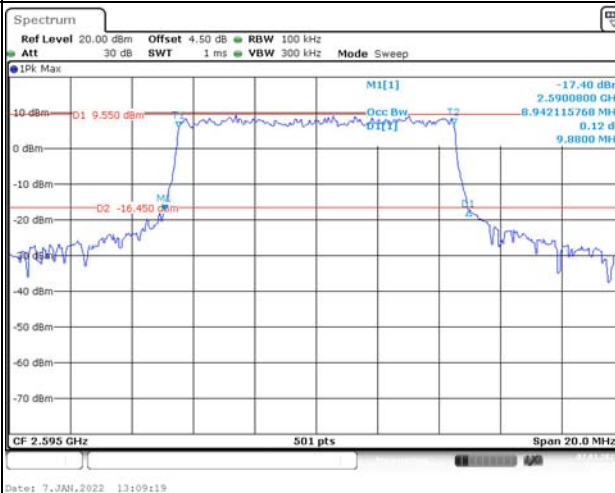
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

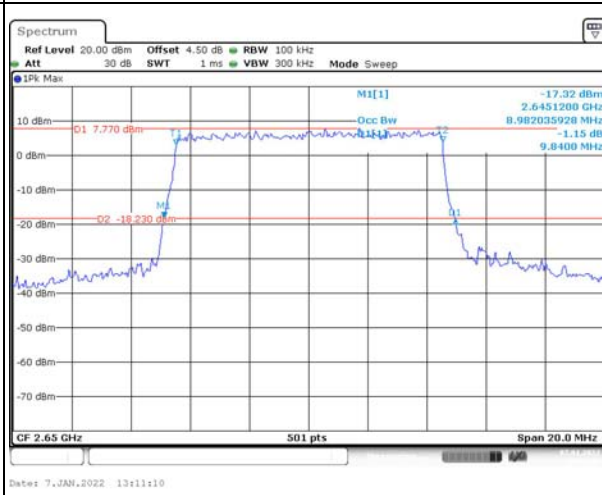
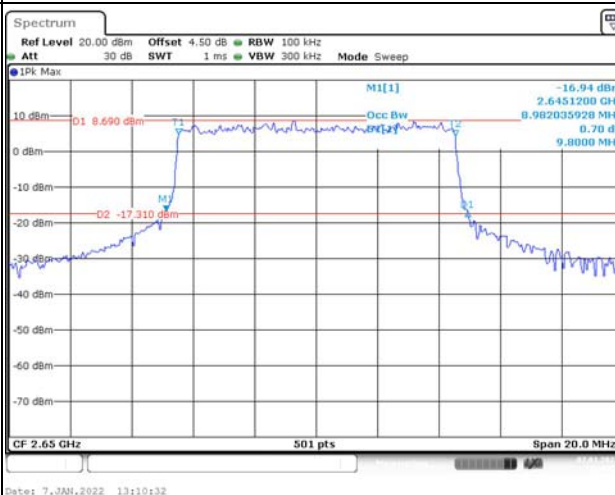
Lowest



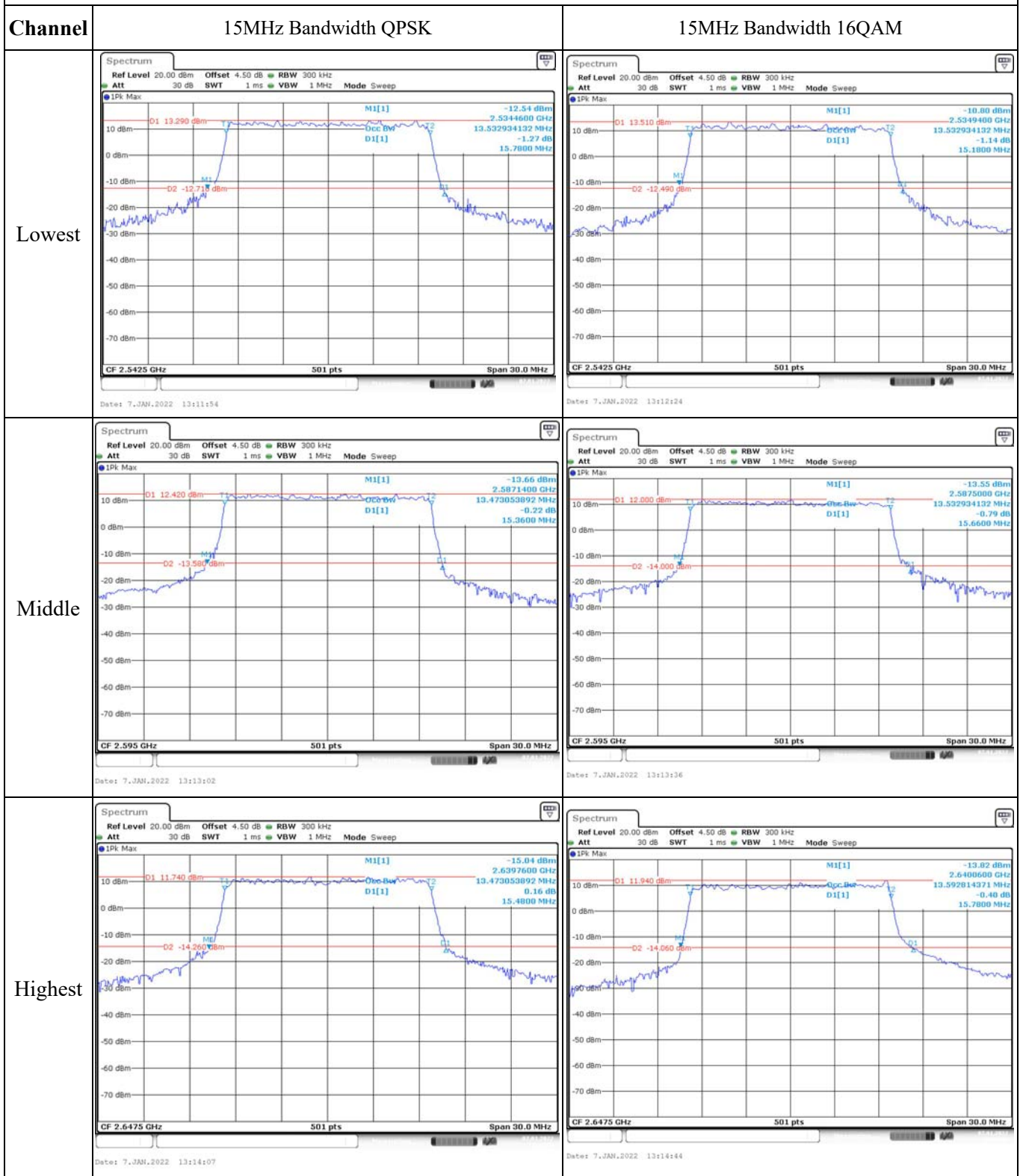
Middle



Highest



Occupied Bandwidth



Occupied Bandwidth

