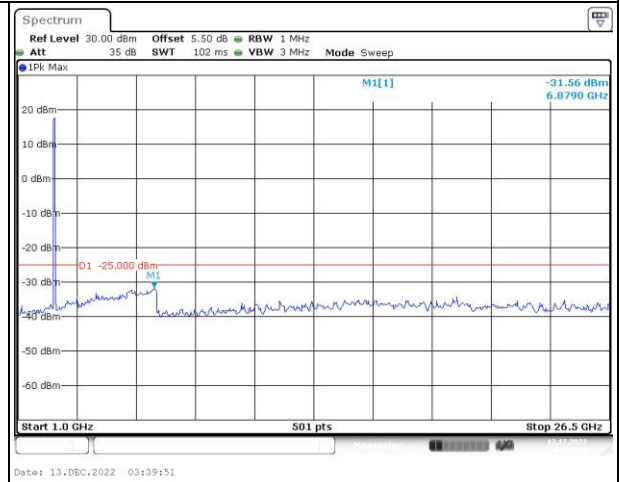
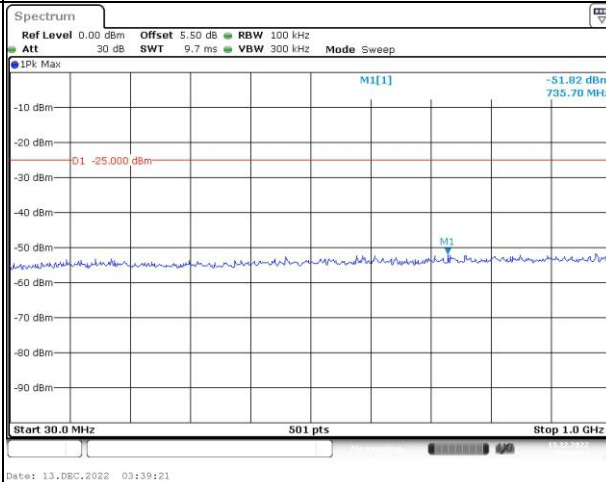


Spurious Emissions at Antenna Terminal

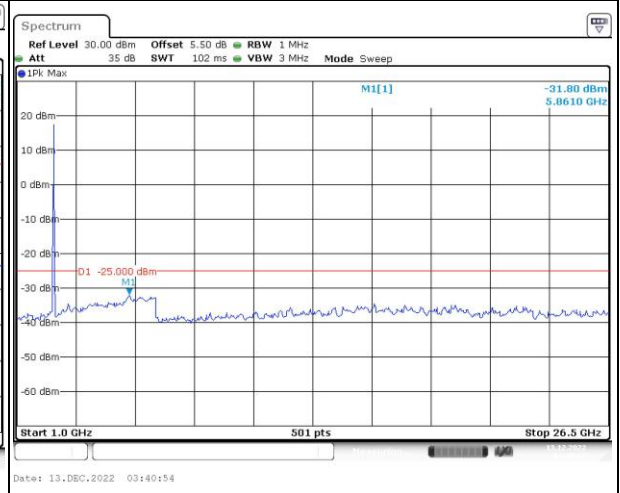
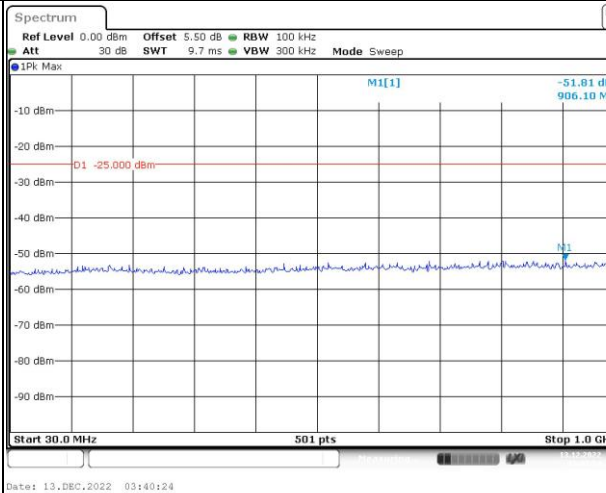
Channel

15MHz Bandwidth QPSK

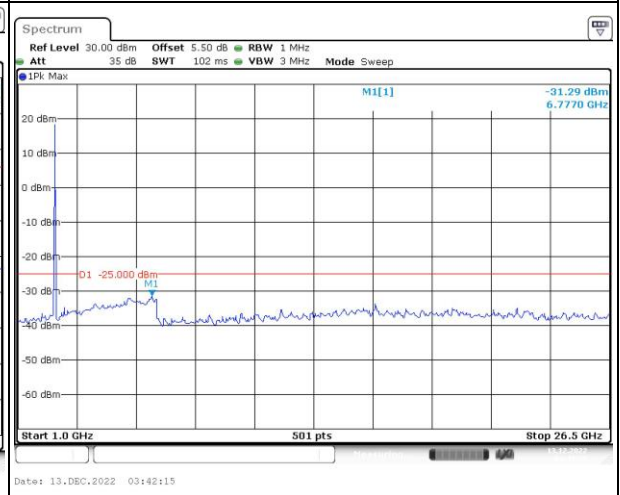
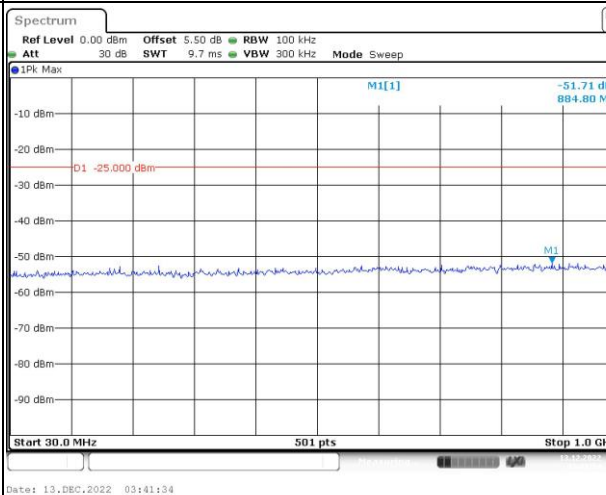
Lowest



Middle



Highest

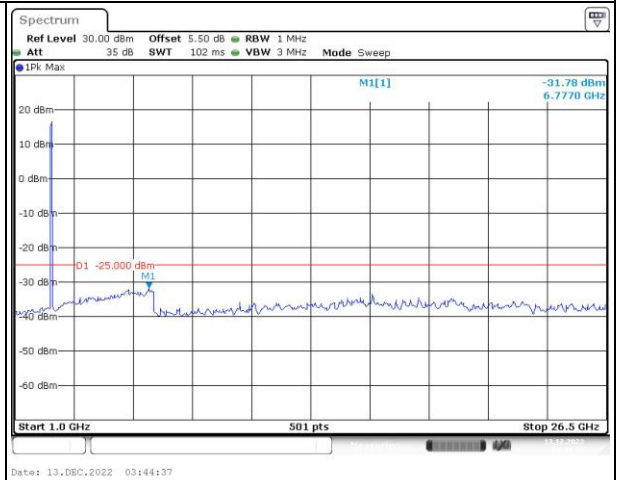
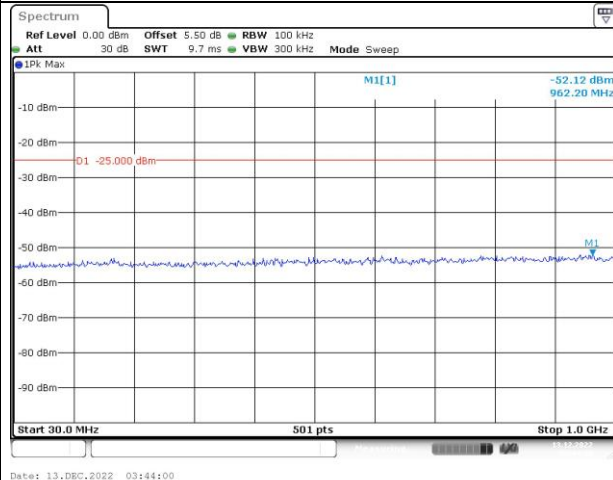


Spurious Emissions at Antenna Terminal

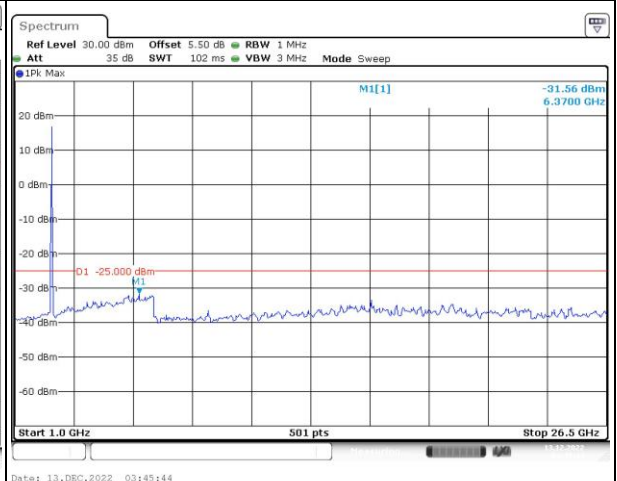
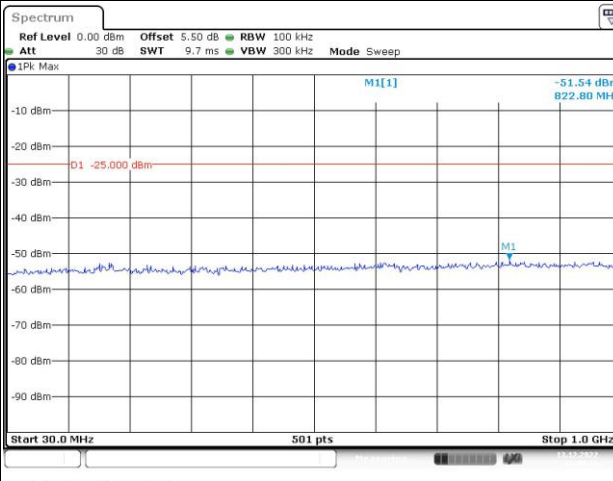
Channel

20MHz Bandwidth QPSK

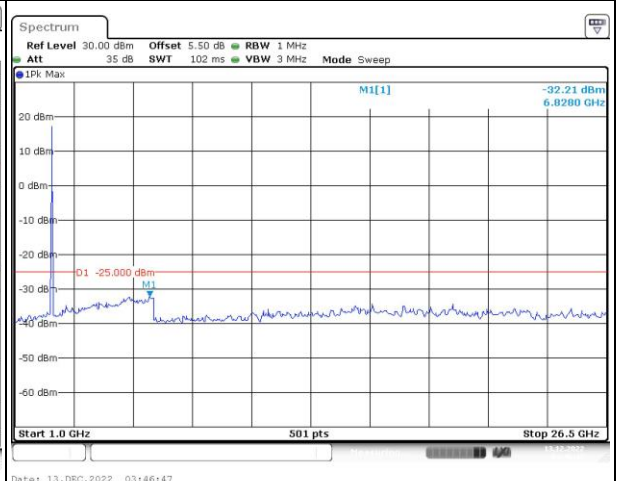
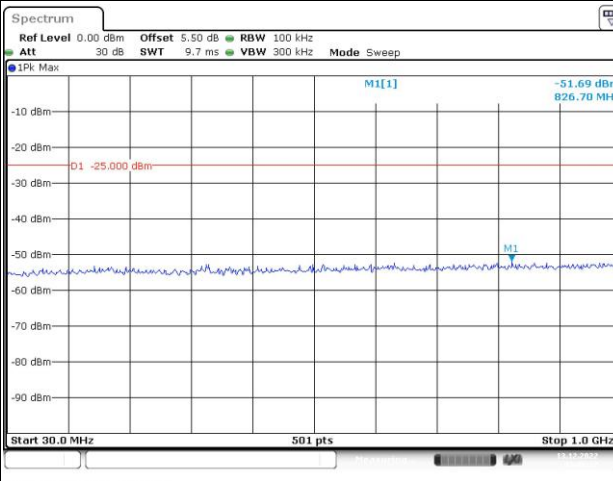
Lowest



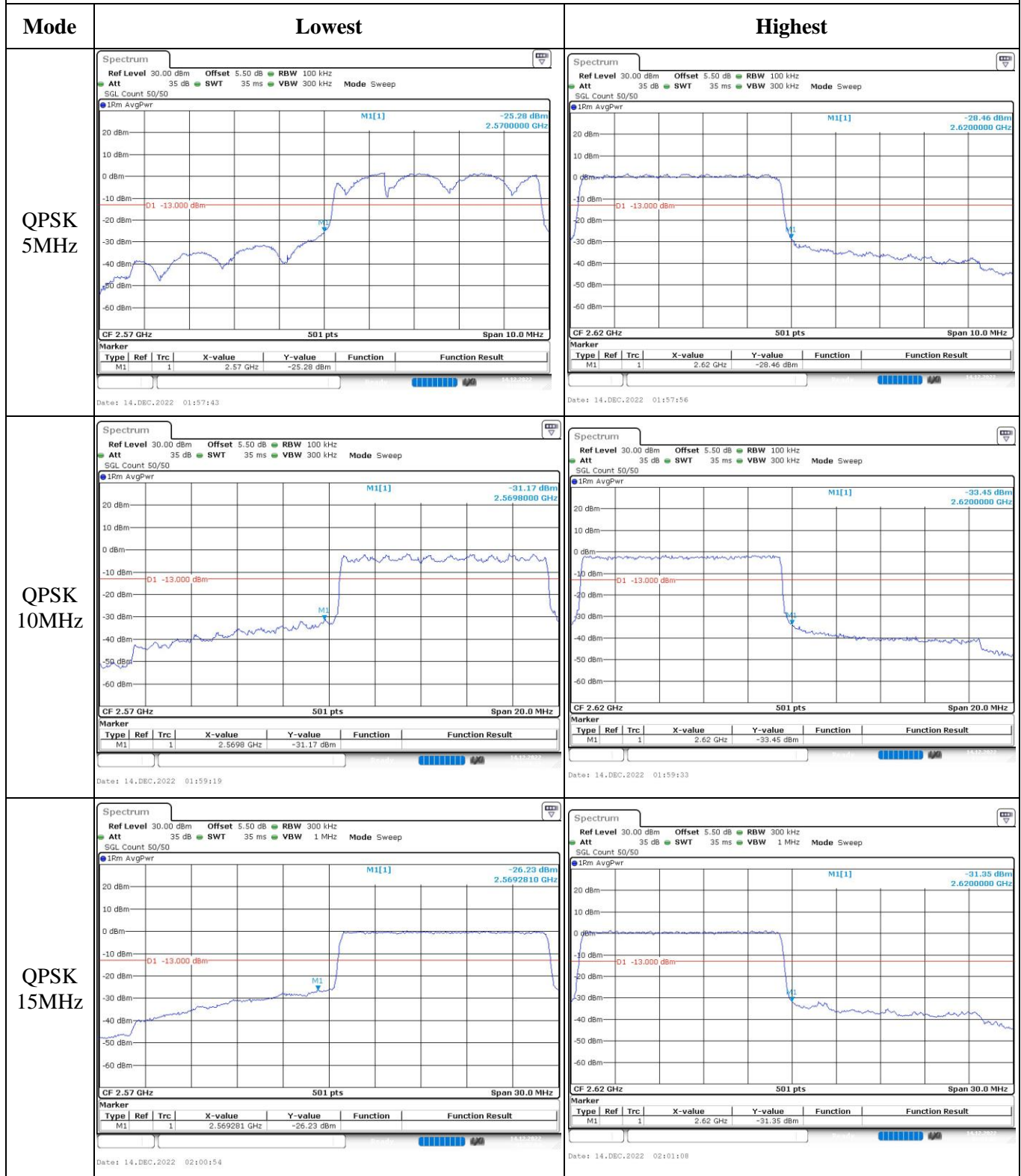
iddle



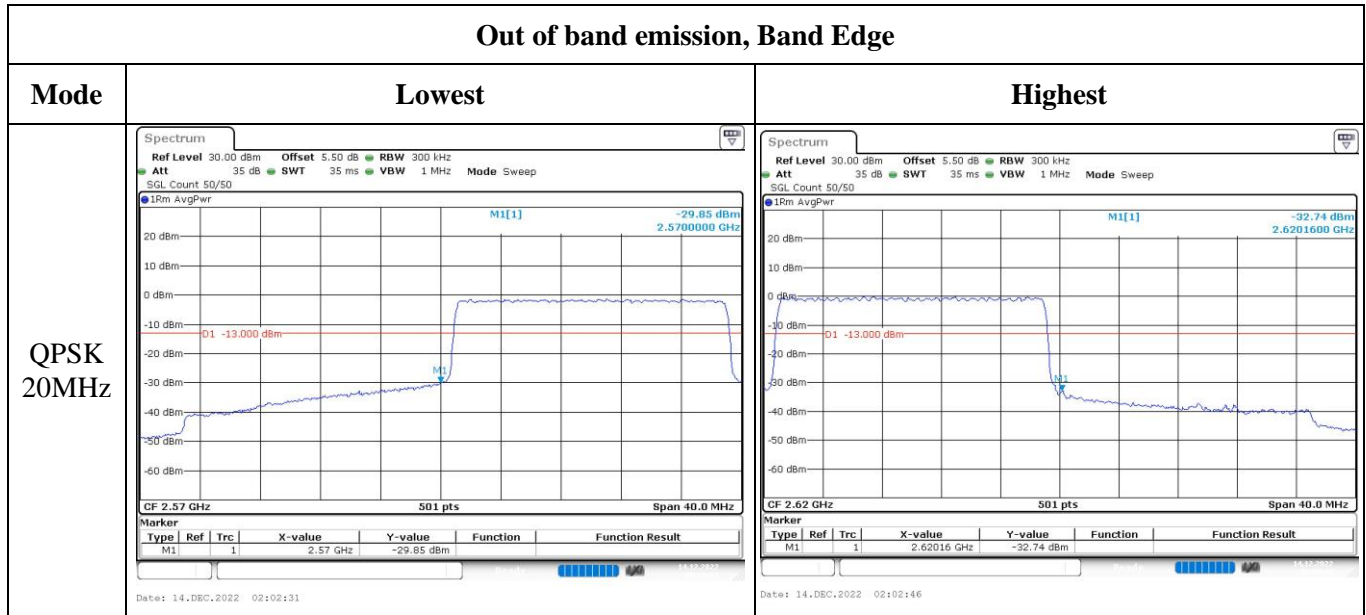
Highest



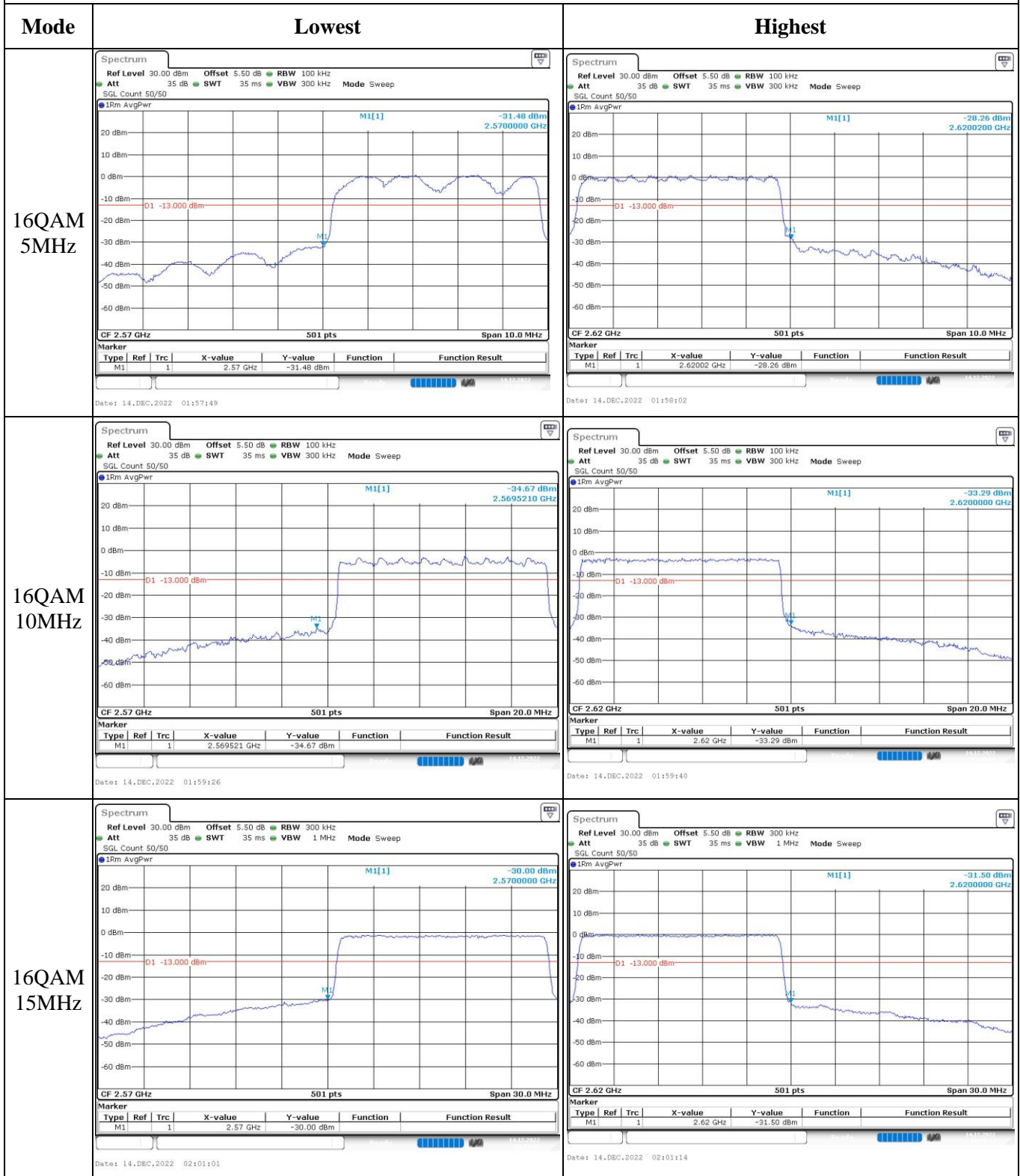
Out of band emission, Band Edge



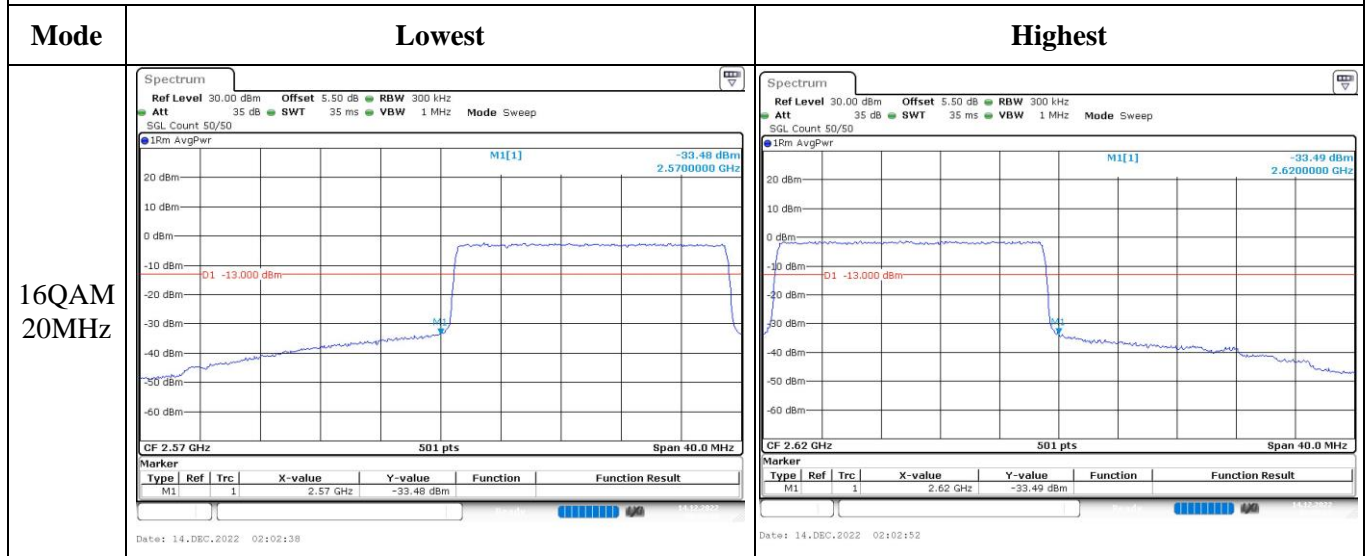
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.13 Antenna Port Test Data and Results for LTE Band 40

Serial Number:	1TSA	Test Date:	2022-12-13~2022-12-20
Test Site:	RF	Test Mode:	Transmitting
Tester:	George chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	21.2~24.3	Relative Humidity: (%)	36~49	ATM Pressure: (kPa)	100.6~101.8
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022-07-15	2023-07-14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Power Splitter	1515	RA914	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2022-04-06	2023-04-05
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-04-06	2023-04-05
UNI-T	Multimeter	UT39A+	C210582554	2022-09-29	2023-09-28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A

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

Test Frequency For Each Mode:

Operation Band	Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
LTE Band 40 Lower	5MHz	2307.5	/	2312.5
	10MHz	/	2310	/
LTE Band 40 Upper	5MHz	2352.5	/	2357.5
	10MHz	/	2355	/

Test Data:

(Note:Uplink Downlink configuration 3 was tested)

FCC §2.1046; § 27.50(a)(3)**LTE Band 40 Lower:****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	22.3	/	22.27	23.41	24
	RB1#13	22.41	/	22.35		
	RB1#24	22.3	/	22.23		
	RB15#0	21.31	/	21.36		
	RB15#10	21.39	/	21.34		
	RB25#0	21.32	/	21.28		
5MHz 16QAM	RB1#0	21.49	/	21.28	22.61	24
	RB1#13	21.61	/	21.38		
	RB1#24	21.51	/	21.25		
	RB15#0	20.31	/	20.28		
	RB15#10	20.41	/	20.33		
	RB25#0	20.27	/	20.3		
10MHz QPSK	RB1#0	/	22.37	/	23.62	24
	RB1#25	/	22.62	/		
	RB1#49	/	22.38	/		
	RB25#0	/	21.35	/		
	RB25#25	/	21.4	/		
	RB50#0	/	21.31	/		
10MHz 16QAM	RB1#0	/	21.27	/	22.53	24
	RB1#25	/	21.53	/		
	RB1#49	/	21.26	/		
	RB25#0	/	20.35	/		
	RB25#25	/	20.38	/		
	RB50#0	/	20.3	/		

EIRP PSD in 5MHz:						
Test Bandwidth & Modulation	Resource Block & RB offset	Conducted PSD(dBm/5MHz)			Maximum EIRP PSD (dBm/5MHz)	Limit (dBm/5MHz)
		Lowest Channel	Middle Channel	Highest Channel		
10MHz QPSK	RB1#0	/	22.37	/	23.62	24
	RB1#25	/	22.62	/		
	RB1#49	/	22.38	/		
	RB25#0	/	21.35	/		
	RB25#25	/	21.4	/		
	RB50#0	/	18.45	/		
10MHz 16QAM	RB1#0	/	21.27	/	22.53	24
	RB1#25	/	21.53	/		
	RB1#49	/	21.26	/		
	RB25#0	/	20.35	/		
	RB25#25	/	20.38	/		
	RB50#0	/	17.51	/		
Note: For 5MHz mode, the channel power is equal to the test result in dBm/5MHz. $EIRP = \text{Conducted Power(dBm)} - Lc(dB) + Gt(dBi)$ $EIRP\ PSD = \text{Conducted PSD(dBm/5MHz)} - Lc(dB) + Gt(dBi)$						

LTE Band 40 Upper:						
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	22.08	/	22.09	23.18	24
	RB1#13	22.18	/	22.14		
	RB1#24	22.08	/	22.02		
	RB15#0	21.13	/	21.12		
	RB15#10	21.11	/	21.09		
	RB25#0	21.12	/	21.12		
5MHz 16QAM	RB1#0	21.08	/	21.06	22.19	24
	RB1#13	21.19	/	21.15		
	RB1#24	21.09	/	21.02		
	RB15#0	20.1	/	20.05		
	RB15#10	20.08	/	19.99		
	RB25#0	20.1	/	20.07		
10MHz QPSK	RB1#0	/	22.12	/	23.43	24
	RB1#25	/	22.43	/		
	RB1#49	/	22.16	/		
	RB25#0	/	21.18	/		
	RB25#25	/	21.11	/		
	RB50#0	/	21.13	/		
10MHz 16QAM	RB1#0	/	21.03	/	22.27	24

	RB1#25	/	21.27	/		
	RB1#49	/	21.06	/		
	RB25#0	/	20.17	/		
	RB25#25	/	20.09	/		
	RB50#0	/	20.1	/		

EIRP PSD in 5MHz:

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted PSD(dBm/5MHz)			Maximum EIRP PSD (dBm/5MHz)	Limit (dBm/5MHz)
		Lowest Channel	Middle Channel	Highest Channel		
10MHz QPSK	RB1#0	/	22.12	/	23.43	24
	RB1#25	/	22.43	/		
	RB1#49	/	22.16	/		
	RB25#0	/	21.18	/		
	RB25#25	/	21.11	/		
	RB50#0	/	18.26	/		
10MHz 16QAM	RB1#0	/	21.03	/	22.27	24
	RB1#25	/	21.27	/		
	RB1#49	/	21.06	/		
	RB25#0	/	20.17	/		
	RB25#25	/	20.09	/		
	RB50#0	/	17.25	/		

Note:

For 5MHz mode, the channel power is equal to the test result in dBm/5MHz.

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

EIRP PSD=Conducted PSD(dBm/5MHz) - Lc(dB) + Gr(dBi)

Result:**Pass****Duty Cycle**

Operation Band	Modulation	Bandwidth	Ton (ms)	Ton+off (ms)	Duty Cycle (%)	Limit (%)
LTE Band 40 Lower	QPSK	5M	3.19	10.07	31.68	38
		10M	3.12	10	31.20	38
	16QAM	5M	3.19	10.07	31.68	38
		10M	3.19	10	31.90	38
LTE Band 40 Upper	QPSK	5M	3.12	10	31.20	38
		10M	3.12	10	31.20	38
	16QAM	5M	3.19	10	31.90	38
		10M	3.12	10	31.20	38

Result:**Pass**

FCC §2.1049, §27.53:Occupied Bandwidth						
LTE Band 40 Lower:						
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	/	4.511	5.28	/	5.12
5MHz 16QAM	4.531	/	4.511	5.1	/	5.14
10MHz QPSK	/	8.942	/	/	10	/
10MHz 16QAM	/	8.942	/	/	9.8	/
LTE Band 40 Upper:						
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	/	4.511	5.2	/	5.24
5MHz 16QAM	4.511	/	4.531	5.3	/	5.18
10MHz QPSK	/	8.942	/	/	9.88	/
10MHz 16QAM	/	8.942	/	/	9.76	/
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**LTE Band 40 Lower:**

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	2305.513	2305.000	2314.463	2315.000
	-20	3.7	2305.539	2305.000	2314.402	2315.000
	-10	3.7	2305.500	2305.000	2314.441	2315.000
	0	3.7	2305.524	2305.000	2314.452	2315.000
	10	3.7	2305.544	2305.000	2314.497	2315.000
	20	3.7	2305.529	2305.000	2314.471	2315.000
	30	3.7	2305.575	2305.000	2314.476	2315.000
	40	3.7	2305.524	2305.000	2314.407	2315.000
	50	3.7	2305.500	2305.000	2314.494	2315.000
Frequency Stability vs. Voltage	20	3.3	2305.521	2305.000	2314.476	2315.000
	20	4.2	2305.533	2305.000	2314.403	2315.000
					Result:	Pass

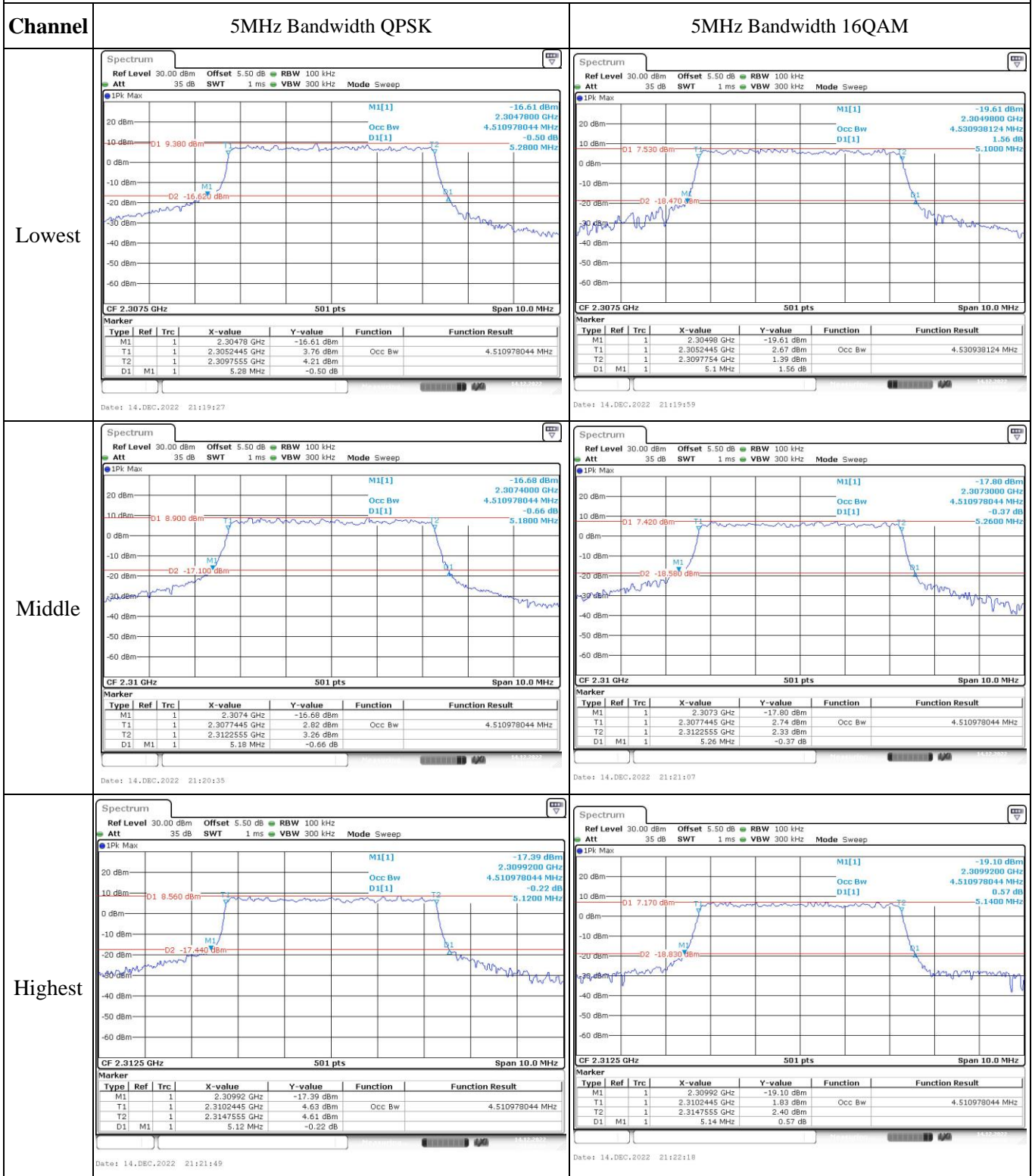
Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.7	2305.492	2305.000	2314.434	2315.000
	-20	3.7	2305.563	2305.000	2314.444	2315.000
	-10	3.7	2305.488	2305.000	2314.497	2315.000
	0	3.7	2305.573	2305.000	2314.404	2315.000
	10	3.7	2305.557	2305.000	2314.456	2315.000
	20	3.7	2305.529	2305.000	2314.471	2315.000
	30	3.7	2305.566	2305.000	2314.423	2315.000
	40	3.7	2305.489	2305.000	2314.483	2315.000
	50	3.7	2305.515	2305.000	2314.426	2315.000
Frequency Stability vs. Voltage	20	3.3	2305.572	2305.000	2314.498	2315.000
	20	4.2	2305.561	2305.000	2314.434	2315.000
					Result:	Pass

LTE Band 40 Upper:						
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	2350.572	2350.000	2359.427	2360.000
	-20	3.7	2350.526	2350.000	2359.406	2360.000
	-10	3.7	2350.490	2350.000	2359.430	2360.000
	0	3.7	2350.559	2350.000	2359.491	2360.000
	10	3.7	2350.560	2350.000	2359.428	2360.000
	20	3.7	2350.529	2350.000	2359.471	2360.000
	30	3.7	2350.502	2350.000	2359.411	2360.000
	40	3.7	2350.512	2350.000	2359.442	2360.000
Frequency Stability vs. Voltage	20	3.3	2350.497	2350.000	2359.439	2360.000
	20	4.2	2350.530	2350.000	2359.443	2360.000
					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	2350.511	2350.000	2359.444	2360.000
	-20	3.7	2350.505	2350.000	2359.404	2360.000
	-10	3.7	2350.559	2350.000	2359.434	2360.000
	0	3.7	2350.534	2350.000	2359.474	2360.000
	10	3.7	2350.518	2350.000	2359.406	2360.000
	20	3.7	2350.529	2350.000	2359.471	2360.000
	30	3.7	2350.569	2350.000	2359.494	2360.000
	40	3.7	2350.577	2350.000	2359.477	2360.000
Frequency Stability vs. Voltage	20	3.3	2350.490	2350.000	2359.460	2360.000
	20	4.2	2350.559	2350.000	2359.474	2360.000
					Result:	Pass

Test Plots(Note: The 5.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth(2305-2315 MHz)



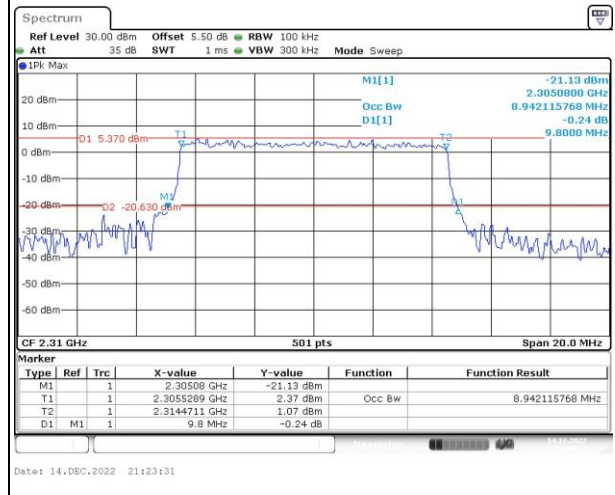
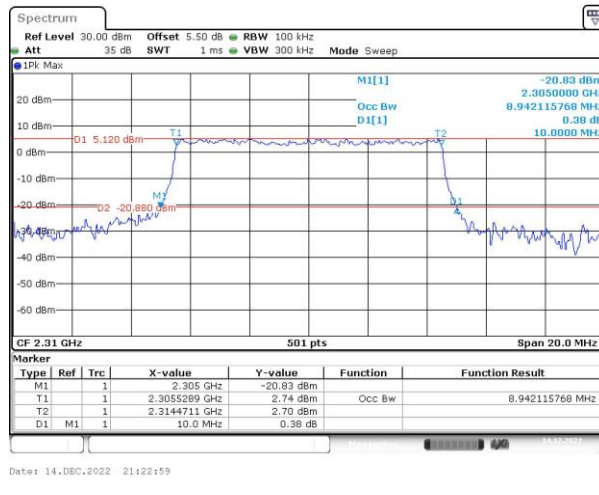
Occupied Bandwidth(2305-2315 MHz)

Channel

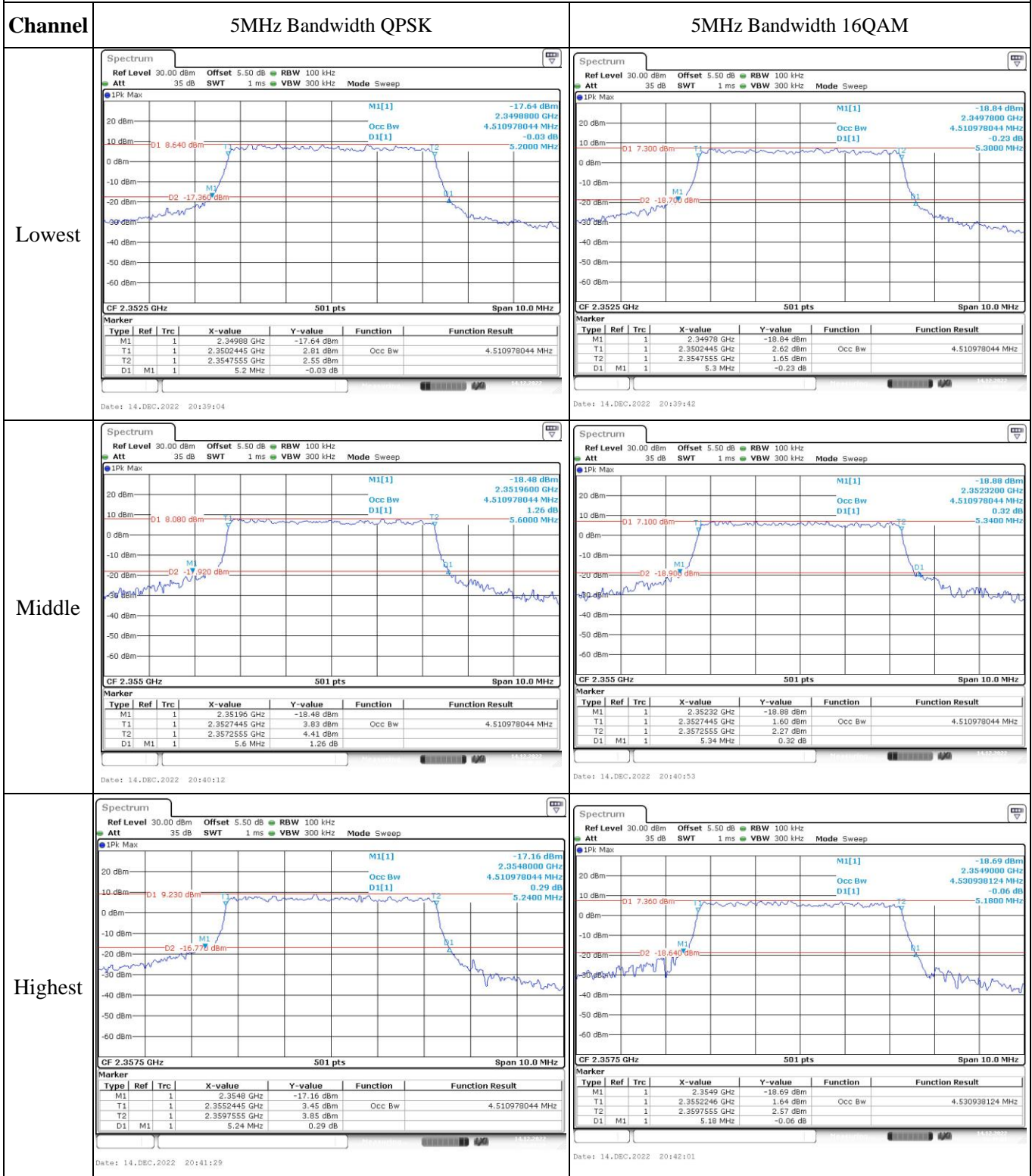
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

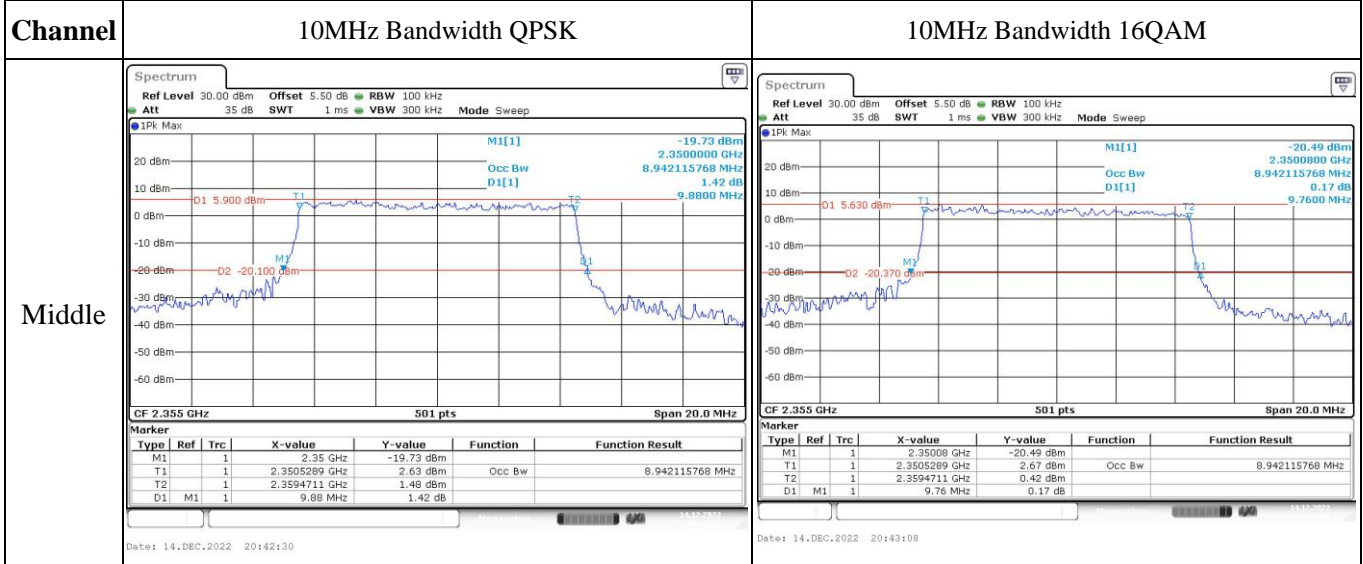
Middle



Occupied Bandwidth(2350-2360 MHz)



Occupied Bandwidth(2350-2360 MHz)



Duty Cycle(2305-2315 MHz)



Duty Cycle(2350-2360 MHz)

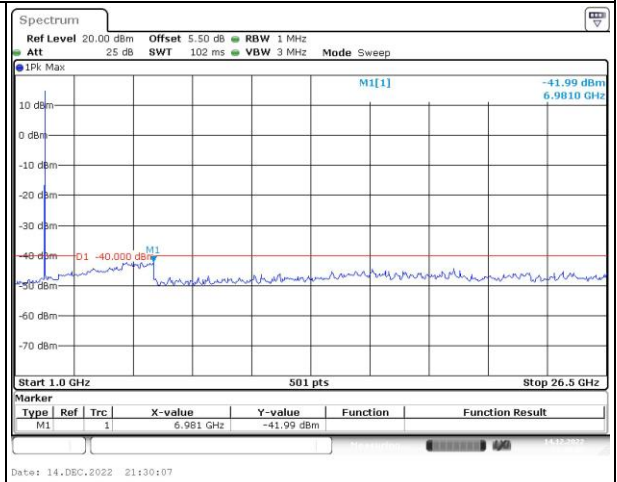
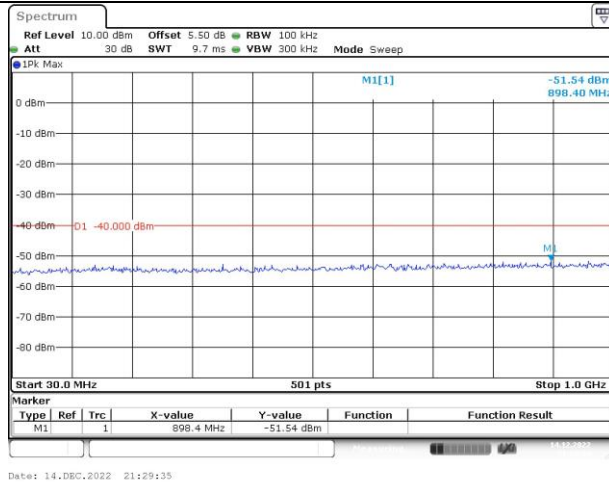


Spurious Emissions at Antenna Terminal(2305-2315 MHz)

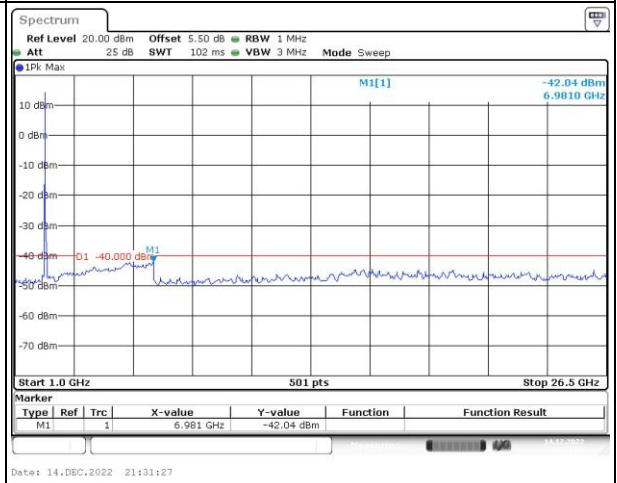
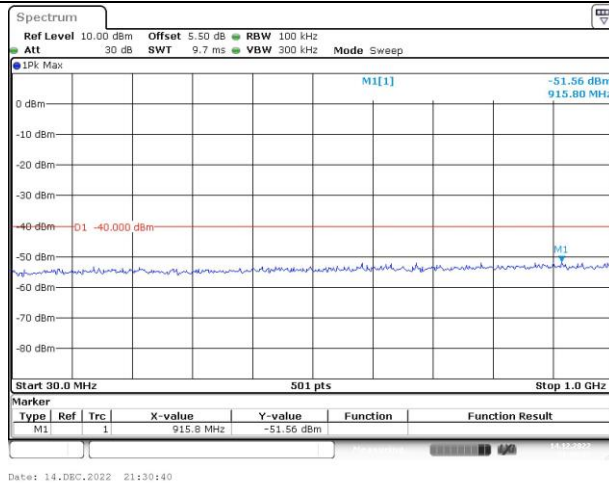
Channel

5MHz Bandwidth QPSK

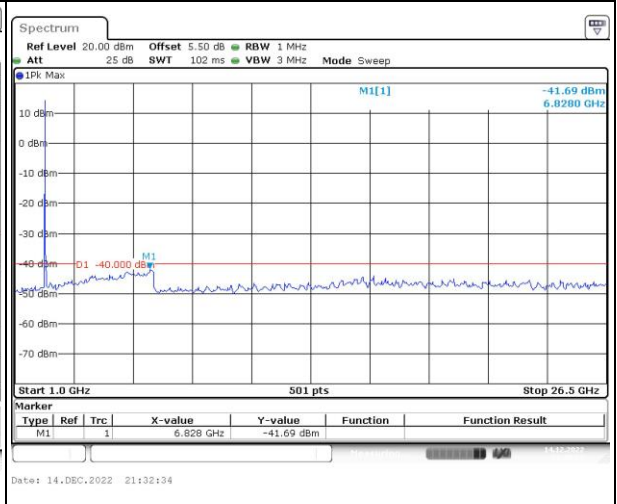
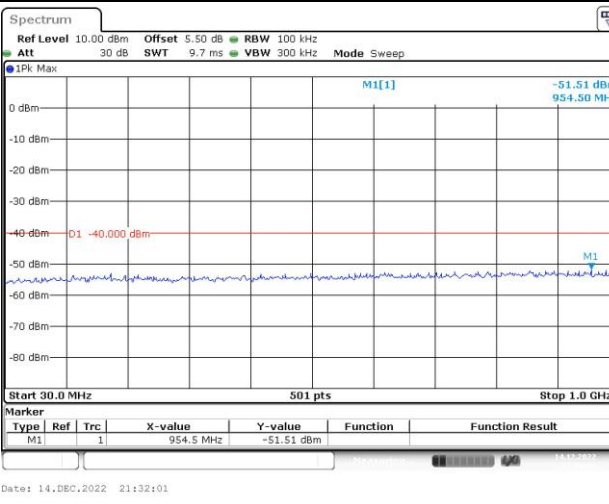
Lowest

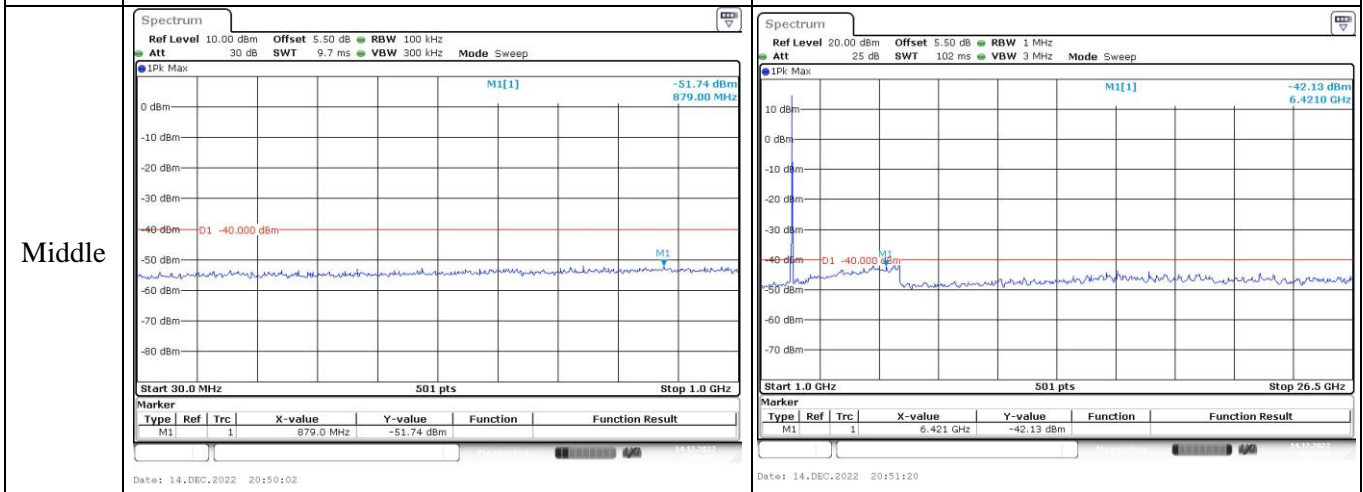
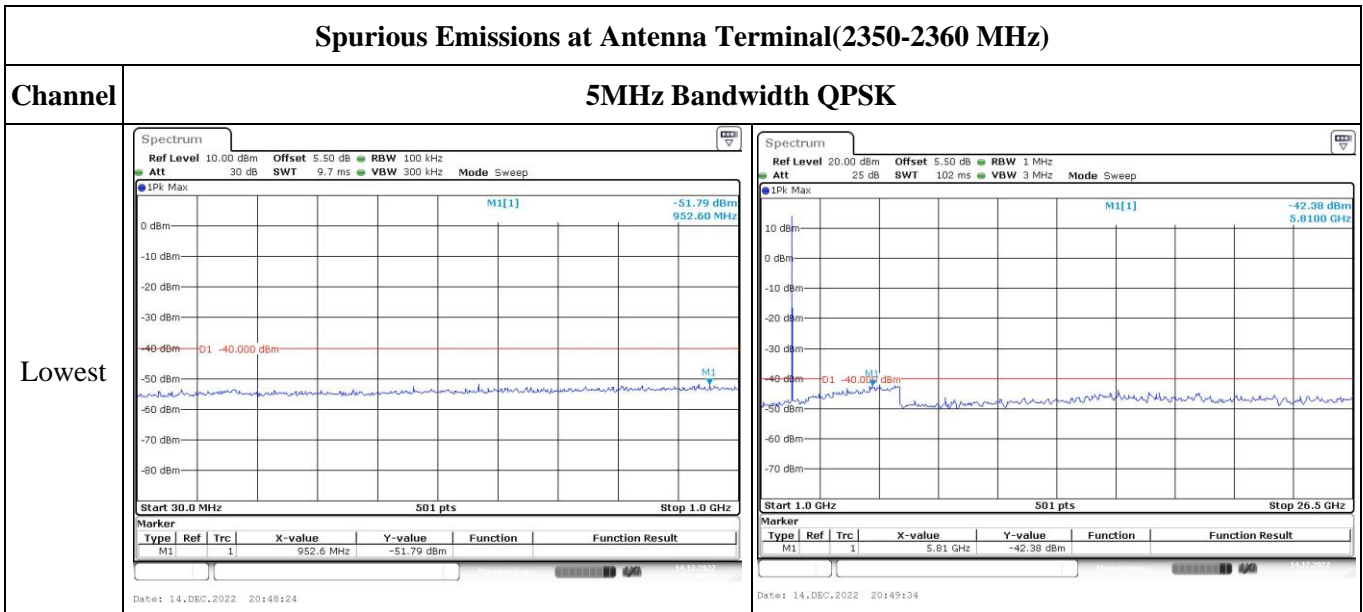
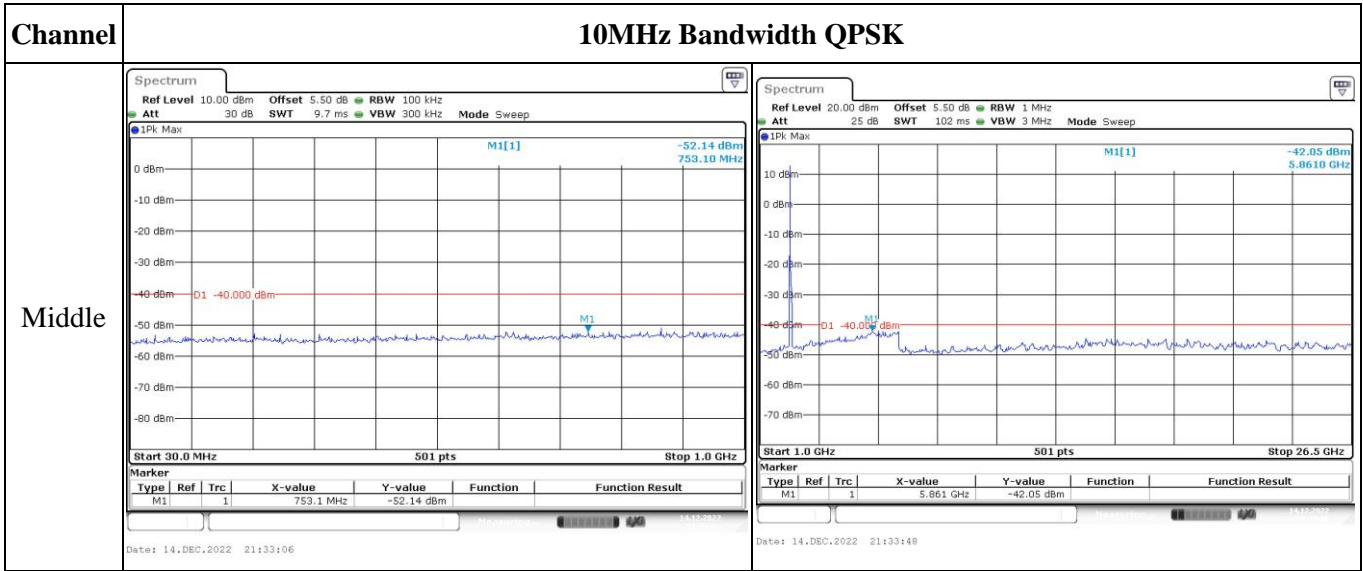


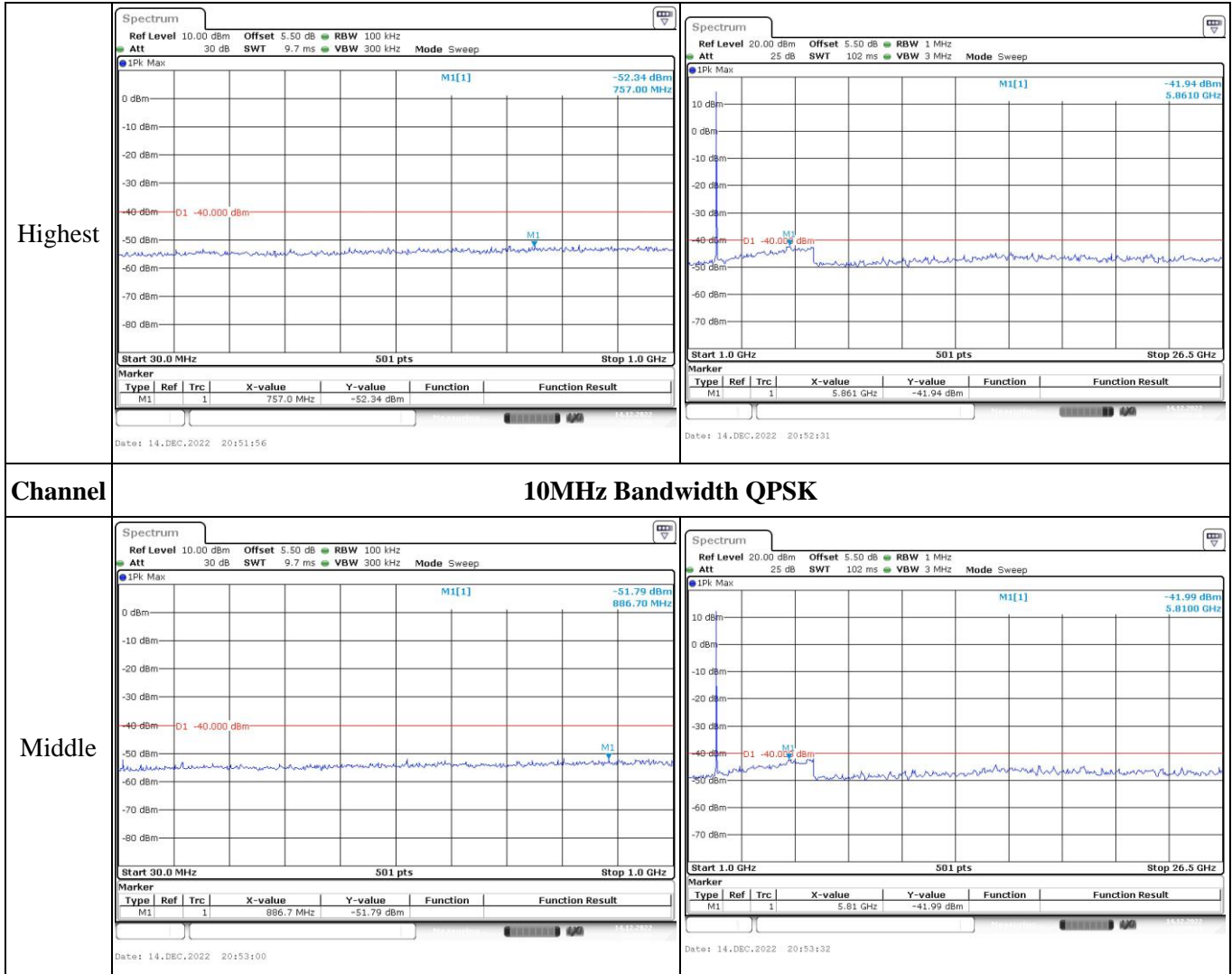
Middle



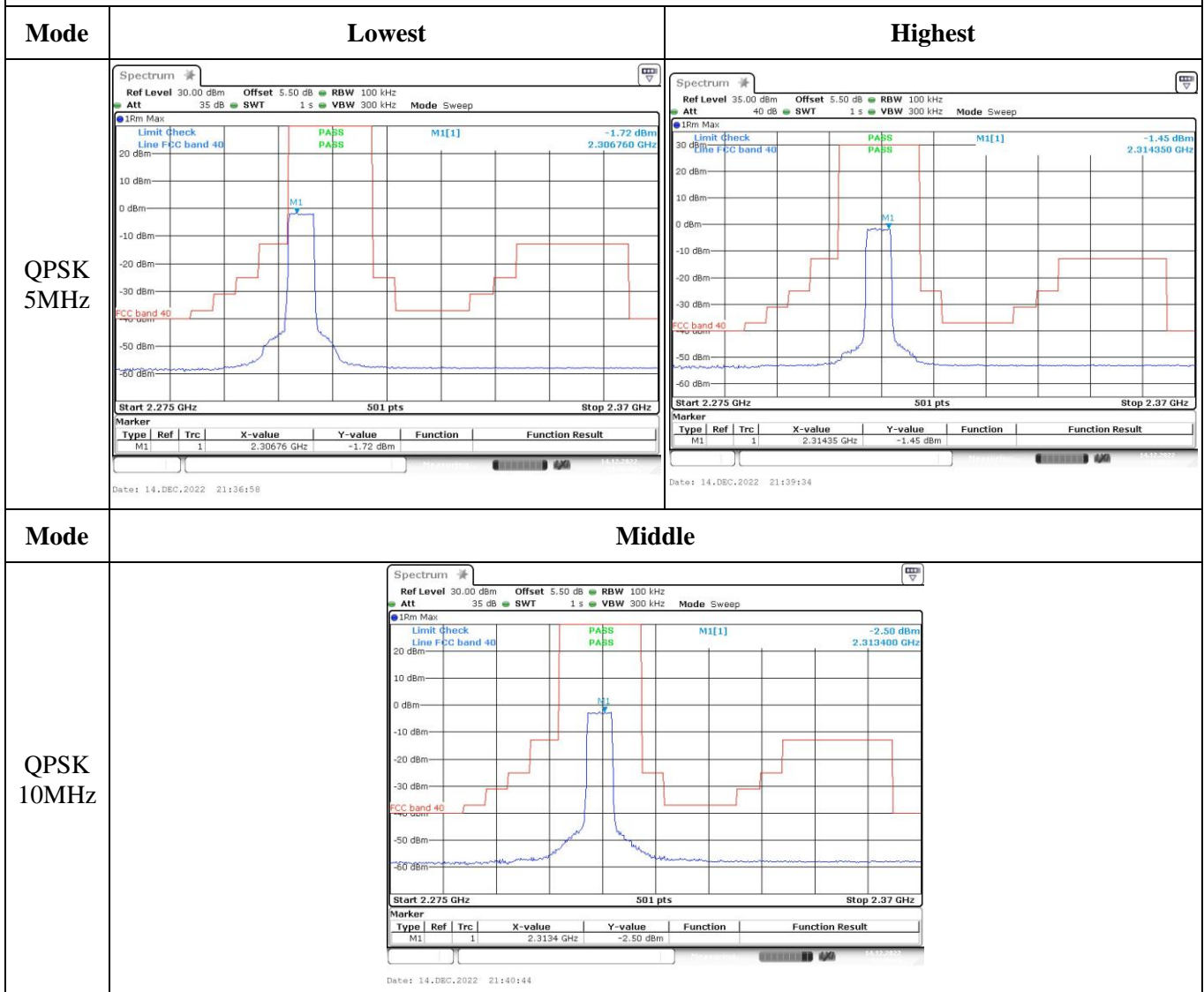
Highest



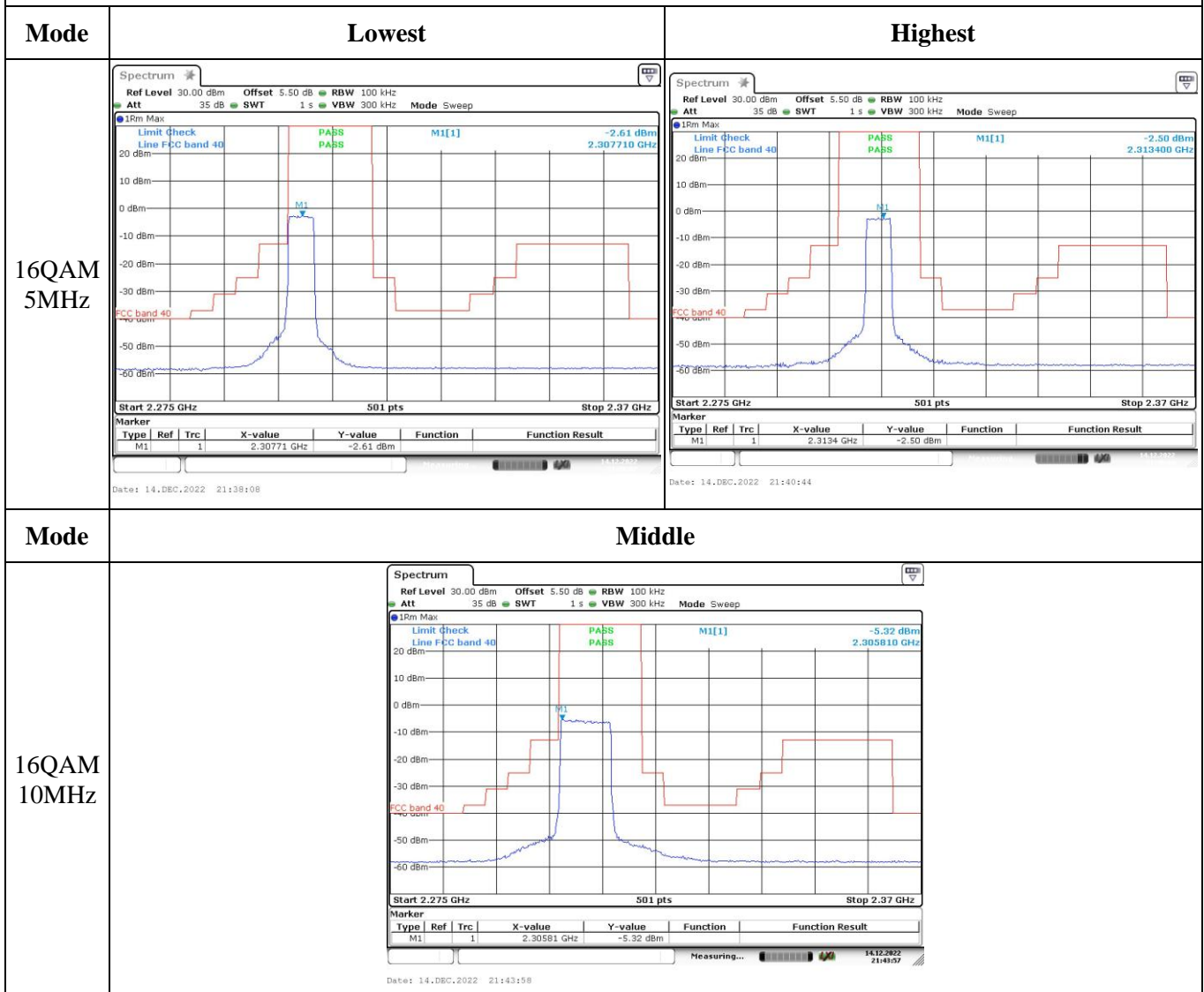




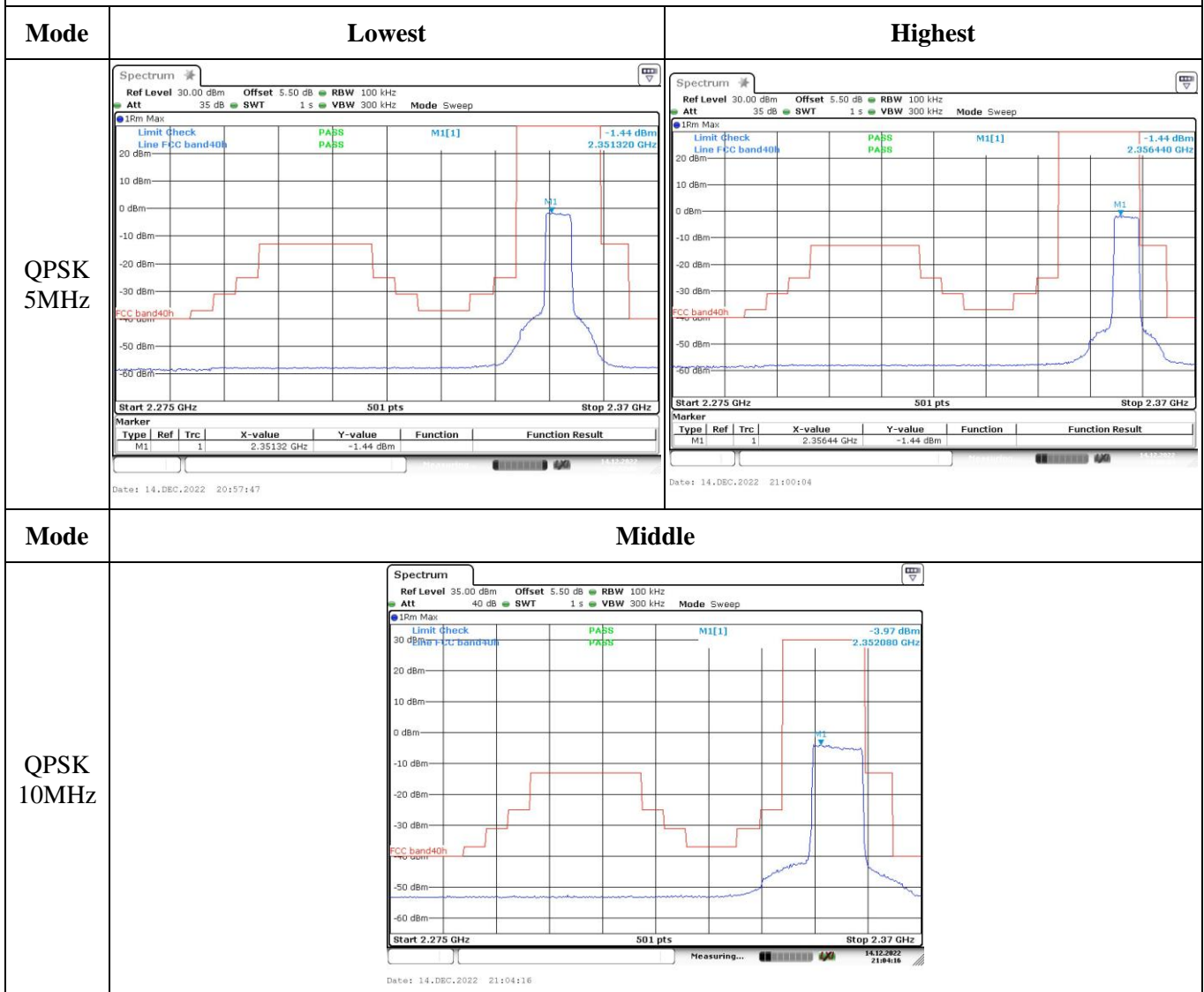
Out of band emission, Band Edge(2305-2315 MHz)



Out of band emission, Band Edge(2305-2315 MHz)



Out of band emission, Band Edge(2350-2360 MHz)



Out of band emission, Band Edge(2350-2360 MHz)

Mode	Lowest	Highest
16QAM 5MHz	<p>Ref Level 35.00 dBm Offset 5.50 dB RBW 100 kHz Att 40 dB SWT 1 s VBW 300 kHz Mode Sweep Limit Check Line FCC band40h M1[1] -2.76 dBm 2.350560 GHz Start 2.275 GHz 501 pts Stop 2.37 GHz Date: 14.DEC.2022 21:07:51</p>	<p>Ref Level 30.00 dBm Offset 5.50 dB RBW 100 kHz Att 35 dB SWT 1 s VBW 300 kHz Mode Sweep Limit Check Line FCC band40h M1[1] -2.49 dBm 2.356630 GHz Start 2.275 GHz 501 pts Stop 2.37 GHz Marker Type Ref Trc X-value Y-value Function Function Result M1 1 2.35663 GHz -2.49 dBm Date: 14.DEC.2022 21:01:53</p>
16QAM 10MHz	<p style="text-align: center;">Middle</p> <p>Ref Level 35.00 dBm Offset 5.50 dB RBW 100 kHz Att 40 dB SWT 1 s VBW 300 kHz Mode Sweep Limit Check Line FCC band40h M1[1] -5.16 dBm 2.350750 GHz Start 2.275 GHz 501 pts Stop 2.37 GHz Date: 14.DEC.2022 21:05:00</p>	

4.14 Antenna Port Test Data and Results for LTE Band 66

Serial Number:	1TSA	Test Date:	2022/12/13~2022/12/20
Test Site:	RF	Test Mode:	Transmitting
Tester:	George chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	21.2~24.3	Relative Humidity: (%)	36~49	ATM Pressure: (kPa)	100.6~101.8
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2022/7/15	2023/7/14
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Power Splitter	1515	RA914	Each time	N/A
R&S	Wideband Radio Communication Tester	CMW500	149218	2022/4/6	2023/4/5
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022/4/6	2023/4/5
UNI-T	Multimeter	UT39A+	C210582554	2022/9/29	2023/9/28
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	N/A	N/A

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

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	1710.7	1745	1779.3
3MHz	1711.5	1745	1778.5
5MHz	1712.5	1745	1777.5
10MHz	1715	1745	1775
15MHz	1717.5	1745	1772.5
20MHz	1720	1745	1770

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	23.01	22.95	23.07	24.06	30
	RB1#3	23.19	23.15	23.26		
	RB1#5	23	22.96	23.07		
	RB3#0	23.14	23.06	23.15		
	RB3#3	23.08	23.06	23.18		
	RB6#0	22.06	21.95	22.07		
1.4MHz 16QAM	RB1#0	22.01	22	22.01	23.2	30
	RB1#3	22.25	22.23	22.21		
	RB1#5	22.08	22.04	22.04		
	RB3#0	22.36	22.01	22.27		
	RB3#3	22.4	22.04	22.21		
	RB6#0	21.06	21.05	21.04		
3MHz QPSK	RB1#0	23.09	23.03	23.15	23.95	30
	RB1#8	23.06	22.97	23.1		
	RB1#14	23.05	22.96	23.13		
	RB6#0	21.98	21.92	22.08		
	RB6#9	22	21.95	22.07		
	RB15#0	22.05	22	22.15		
3MHz 16QAM	RB1#0	22.13	22.55	22.22	23.35	30
	RB1#8	22.09	22.48	22.22		
	RB1#14	22.04	22.51	22.25		
	RB6#0	20.97	21.01	21.06		
	RB6#9	20.93	20.98	21.13		
	RB15#0	21.08	21.08	21.07		
5MHz QPSK	RB1#0	22.99	22.9	23.01	23.93	30
	RB1#13	23.03	23	23.13		
	RB1#24	22.97	22.88	23.05		
	RB15#0	22.03	22.02	22.14		
	RB15#10	22.06	22.06	22.11		
	RB25#0	22.03	21.96	22.06		
5MHz 16QAM	RB1#0	22.27	21.92	21.86	23.16	30
	RB1#13	22.36	22.05	21.96		
	RB1#24	22.25	21.94	21.87		
	RB15#0	21.03	21.05	21.18		
	RB15#10	21.08	21.06	21.15		
	RB25#0	21.03	20.99	21.16		

10MHz QPSK	RB1#0	23.01	22.94	23.05	23.99	30
	RB1#25	23.07	23.13	23.19		
	RB1#49	23.01	22.98	23.05		
	RB25#0	22.06	22.04	22.13		
	RB25#25	22.12	22.09	22.1		
	RB50#0	22.07	22.09	22.14		
10MHz 16QAM	RB1#0	22.05	22.52	22.17	23.49	30
	RB1#25	22.2	22.69	22.36		
	RB1#49	22.02	22.57	22.2		
	RB25#0	21.2	21.14	21.23		
	RB25#25	21.23	21.17	21.17		
	RB50#0	21.13	21.1	21.21		
15MHz QPSK	RB1#0	22.97	22.91	22.96	23.91	30
	RB1#38	23.09	23.03	23.11		
	RB1#74	22.94	22.92	23.02		
	RB36#0	22	22.08	22.11		
	RB36#39	22.1	22.14	22.17		
	RB75#0	22.13	22.16	22.18		
15MHz 16QAM	RB1#0	22.42	22.46	22.12	23.4	30
	RB1#38	22.55	22.6	22.26		
	RB1#74	22.4	22.56	22.22		
	RB36#0	21.06	21.11	21.2		
	RB36#39	21.17	21.14	21.21		
	RB75#0	21.1	21.14	21.18		
20MHz QPSK	RB1#0	22.79	22.75	22.84	24.04	30
	RB1#50	23.11	23.19	23.24		
	RB1#99	22.77	22.83	22.89		
	RB50#0	22.04	22.09	22.09		
	RB50#50	22.14	22.01	21.99		
	RB100#0	22.04	22.06	22.05		
20MHz 16QAM	RB1#0	22.37	22.05	22.03	23.57	30
	RB1#50	22.77	22.49	22.44		
	RB1#99	22.38	22.16	22.11		
	RB50#0	21.04	21.05	21.11		
	RB50#50	21.18	21	21.02		
	RB100#0	21.09	21.09	21.09		
Note: EIRP=Conducted Power(dBm) - Lc(dB) + Gr(dBi)						
					Result:	Pass

Peak-to-average Ratio(PAR)					
Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	5.45	5.1	5.13	13
	RB100#0	4.14	4.46	3.97	13
20MHz 16QAM	RB1#0	6.32	6.06	5.74	13
	RB100#0	5.88	6.09	5.71	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	1.102	1.096	1.102	1.296	1.308	1.314
1.4MHz 16QAM	1.102	1.102	1.102	1.314	1.326	1.302
3MHz QPSK	2.683	2.683	2.683	2.892	2.88	2.88
3MHz 16QAM	2.683	2.683	2.683	2.892	2.892	3.048
5MHz QPSK	4.531	4.531	4.511	5.2	5.2	5.24
5MHz 16QAM	4.551	4.511	4.551	5.24	5.18	5.18
10MHz QPSK	8.982	8.942	8.982	10.28	9.96	9.84
10MHz 16QAM	8.982	8.982	8.982	9.76	9.84	9.96
15MHz QPSK	13.533	13.593	13.533	15.24	15.3	15.12
15MHz 16QAM	13.533	13.593	13.533	15.12	15.18	15.06
20MHz QPSK	17.964	17.964	18.044	19.52	19.68	19.84
20MHz 16QAM	18.044	18.044	17.964	19.68	19.84	19.68

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.

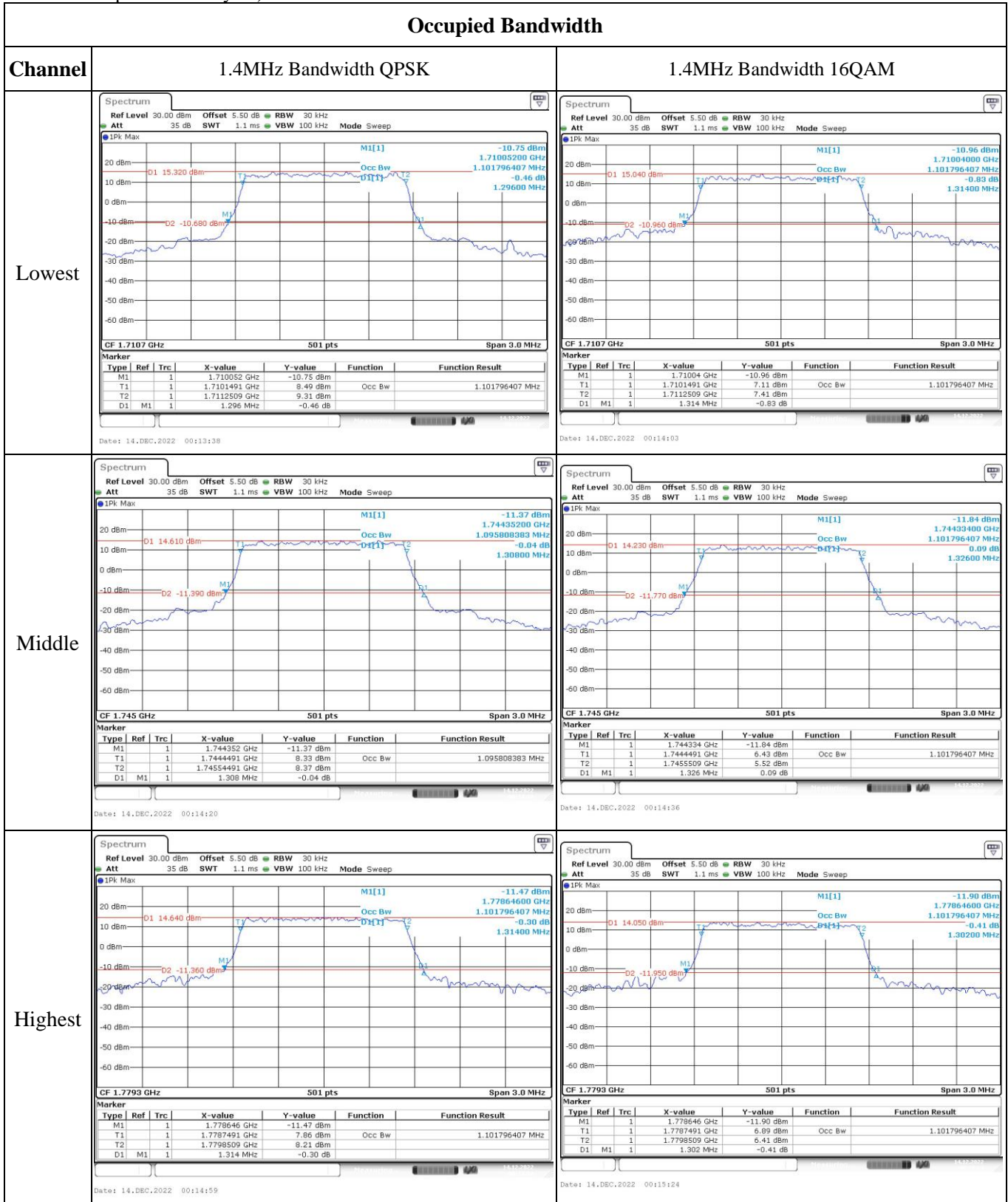
FCC §2.1051, §27.53:Out of band emission, Band Edge	
Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.

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	3.7	1711.019	1710.00	1779.088	1780
	-20	3.7	1711.036	1710.00	1779.055	1780
	-10	3.7	1711.007	1710.00	1779.015	1780
	0	3.7	1711.075	1710.00	1779.046	1780
	10	3.7	1711.091	1710.00	1779.054	1780
	20	3.7	1711.058	1710.00	1779.022	1780
	30	3.7	1711.011	1710.00	1779.055	1780
	40	3.7	1711.014	1710.00	1779.083	1780
	50	3.7	1711.093	1710.00	1779.054	1780
Frequency Stability vs. Voltage	20	3.3	1711.054	1710.00	1779.088	1780
	20	4.2	1711.008	1710.00	1779.056	1780
					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	1711.099	1710.00	1779.099	1780
	-20	3.7	1711.066	1710.00	1779.056	1780
	-10	3.7	1711.035	1710.00	1779.092	1780
	0	3.7	1711.022	1710.00	1779.050	1780
	10	3.7	1711.002	1710.00	1779.071	1780
	20	3.7	1711.058	1710.00	1779.022	1780
	30	3.7	1711.043	1710.00	1779.099	1780
	40	3.7	1711.038	1710.00	1779.087	1780
	50	3.7	1711.085	1710.00	1779.097	1780
Frequency Stability vs. Voltage	20	3.3	1711.069	1710.00	1779.020	1780
	20	4.2	1711.009	1710.00	1779.001	1780
					Result:	Pass

Test Plots(Note: The 5.6dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):



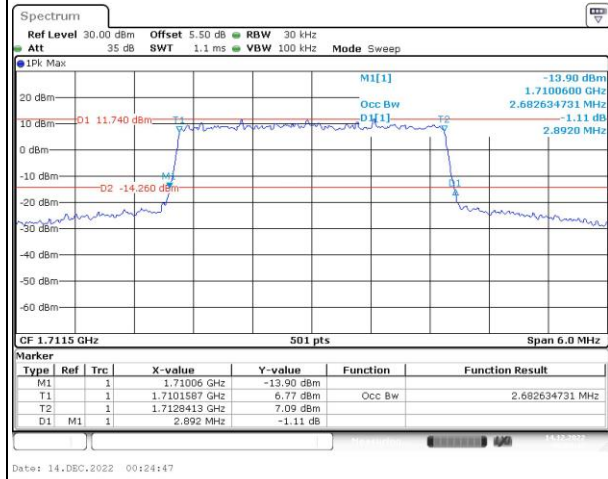
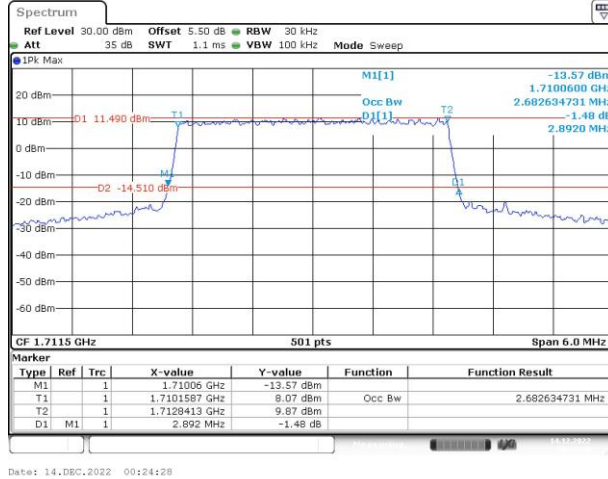
Occupied Bandwidth

Channel

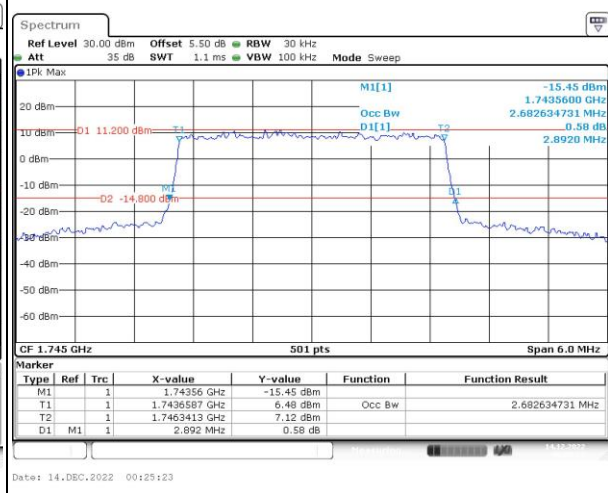
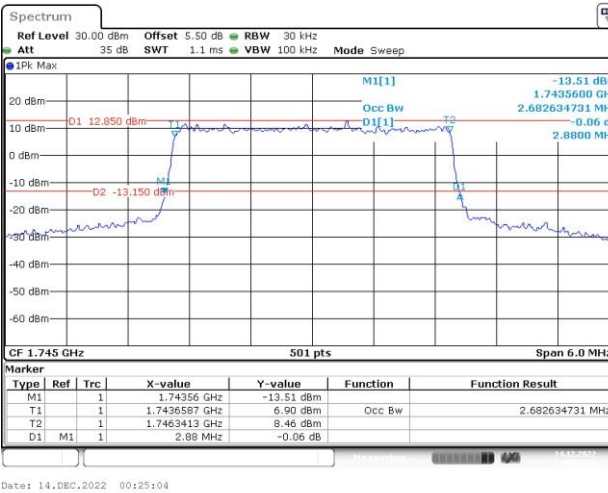
3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

Lowest



Middle



Highest

