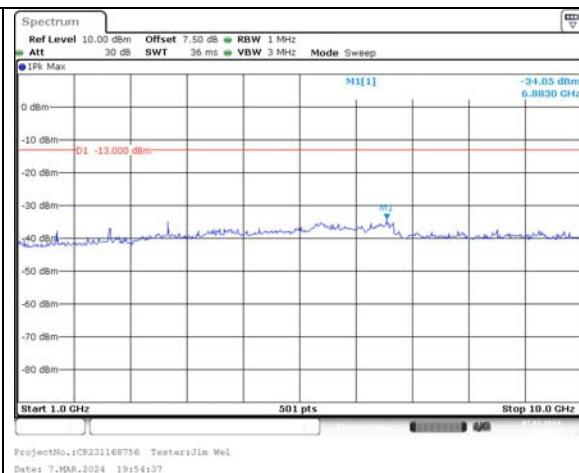
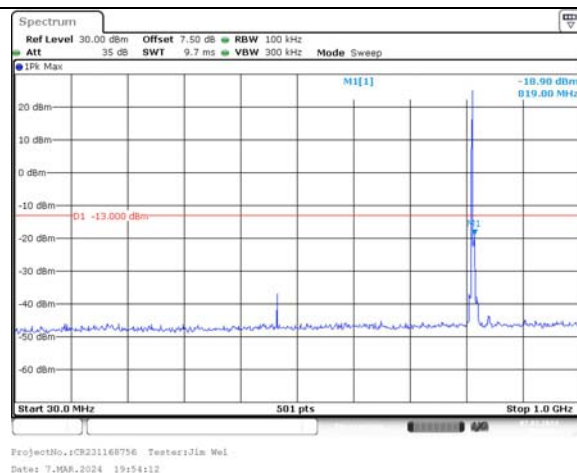


Spurious Emissions at Antenna Terminal

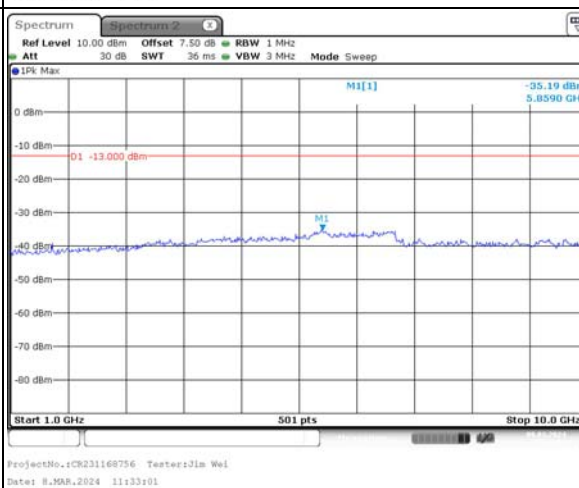
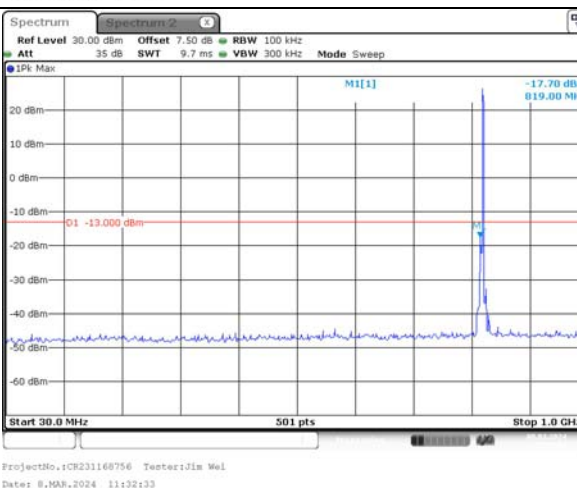
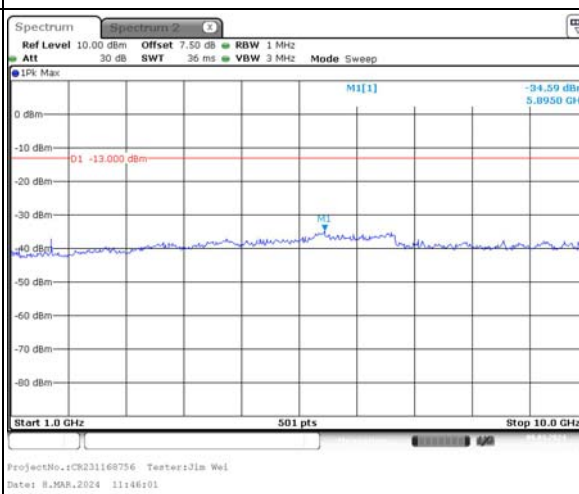
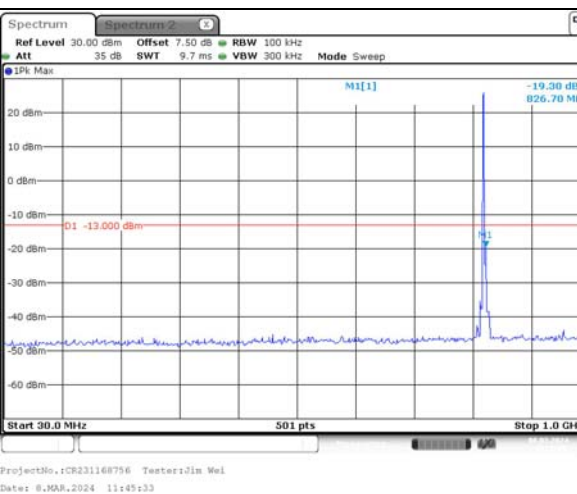
Channel

5MHz Bandwidth QPSK

Lowest



Highest

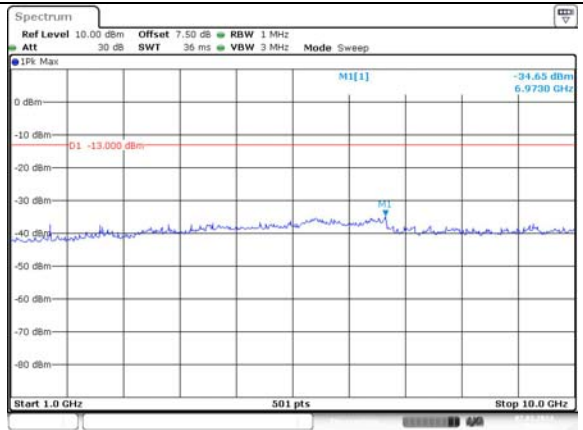
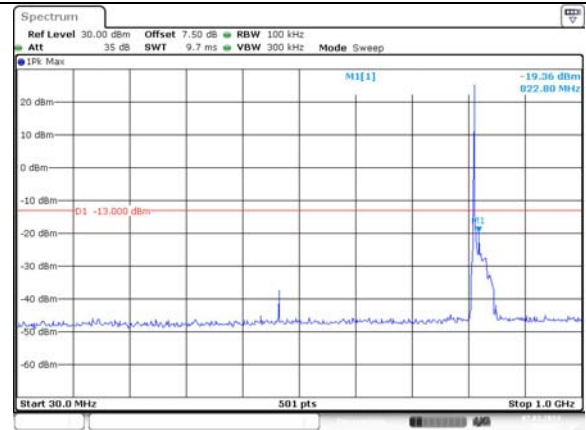
Cross
90S and
22H

Spurious Emissions at Antenna Terminal

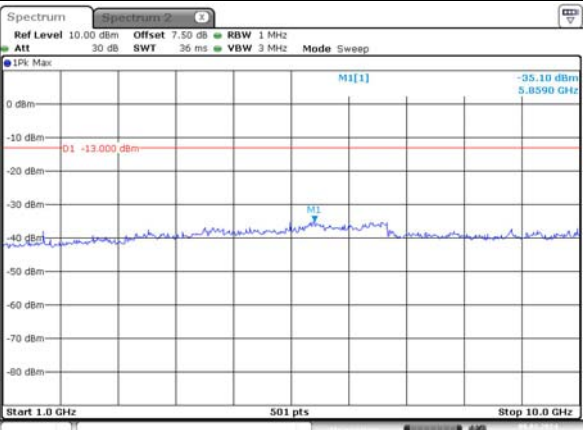
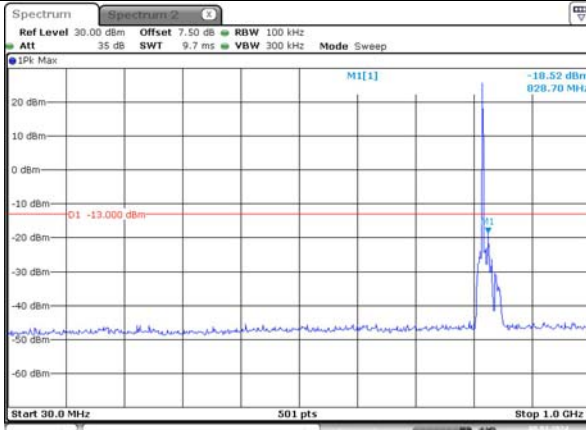
Channel

10MHz Bandwidth QPSK

Lowest



Cross
90S and
22H



Channel	15MHz Bandwidth QPSK	
Lowest	Spectrum Ref Level 30.00 dBm Offset 7.50 dB RBW 100 kHz Att 35 dB SWT 9.7 ms VBW 300 kHz Mode Sweep 1Pk Max MI[1] -20.03 dBm 828.79 MHz 01 -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz ProjectNo.:CR231168756 Tester:Jlm Wei Date: 7.MAR.2024 20:04:02	Spectrum Ref Level 10.00 dBm Offset 7.50 dB RBW 1 MHz Att 30 dB SWT 36 ms VBW 3 MHz Mode Sweep 1Pk Max MI[1] -34.80 dBm 5.8410 GHz 01 -13.000 dBm Start 1.0 GHz 501 pts Stop 10.0 GHz ProjectNo.:CR231168756 Tester:Jlm Wei Date: 7.MAR.2024 20:04:27
Cross 90S and 22H	Spectrum Ref Level 30.00 dBm Offset 7.50 dB RBW 100 kHz Att 35 dB SWT 9.7 ms VBW 300 kHz Mode Sweep 1Pk Max MI[1] -19.80 dBm 830.60 MHz 01 -13.000 dBm Start 30.0 MHz 501 pts Stop 1.0 GHz ProjectNo.:CR231168756 Tester:Jlm Wei Date: 8.MAR.2024 11:54:18	Spectrum Ref Level 10.00 dBm Offset 7.50 dB RBW 1 MHz Att 30 dB SWT 36 ms VBW 3 MHz Mode Sweep 1Pk Max MI[1] -34.90 dBm 5.7690 GHz 01 -13.000 dBm Start 1.0 GHz 501 pts Stop 10.0 GHz ProjectNo.:CR231168756 Tester:Jlm Wei Date: 8.MAR.2024 11:54:38

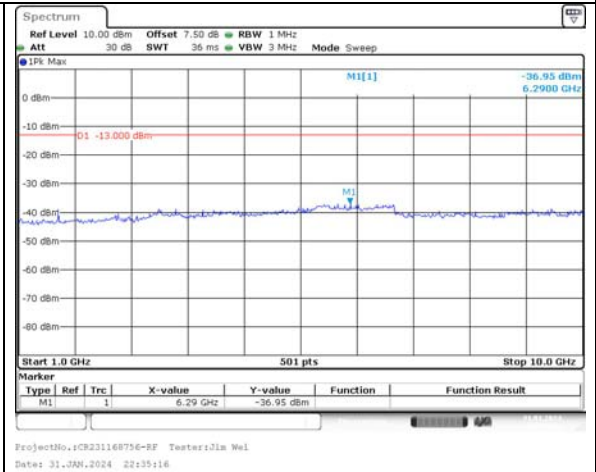
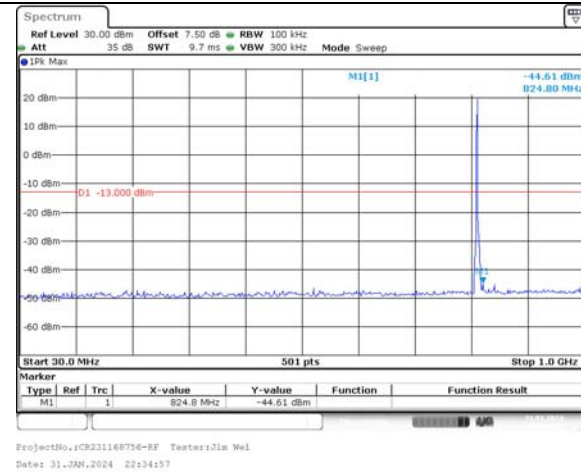
Full RB:

Spurious Emissions at Antenna Terminal

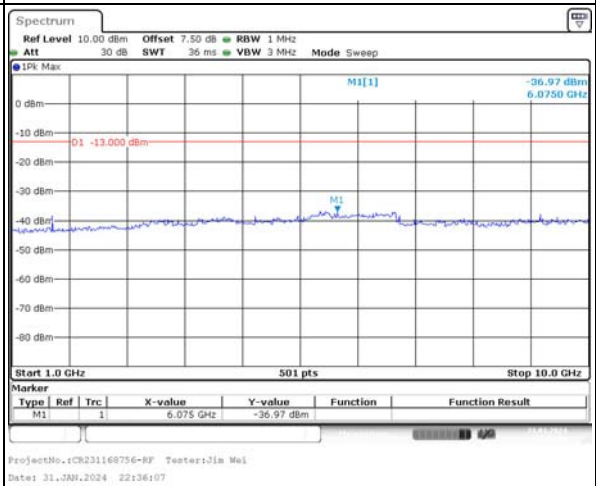
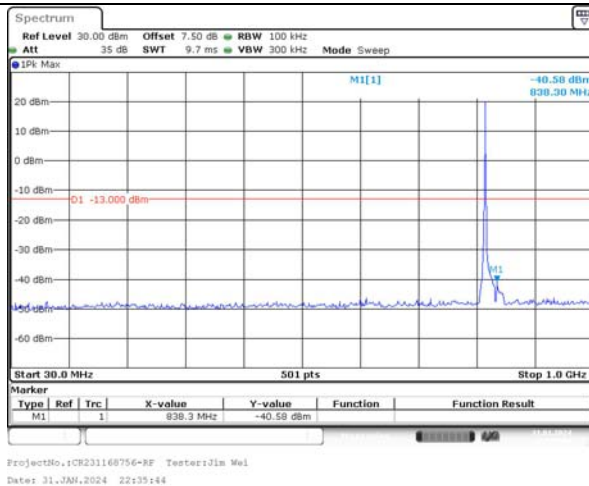
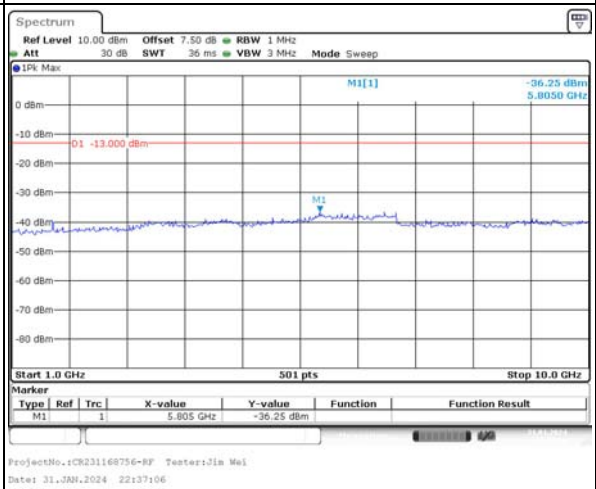
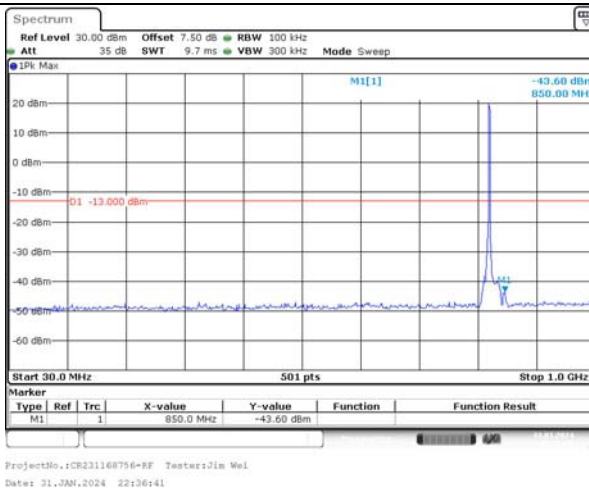
Channel

1.4MHz Bandwidth QPSK

Lowest



Highest

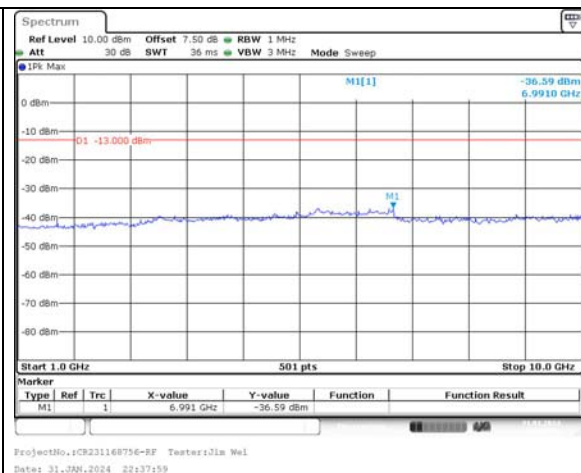
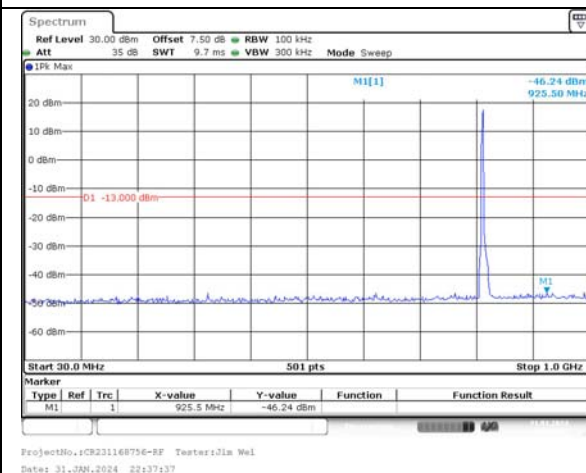
Cross
90S and
22H

Spurious Emissions at Antenna Terminal

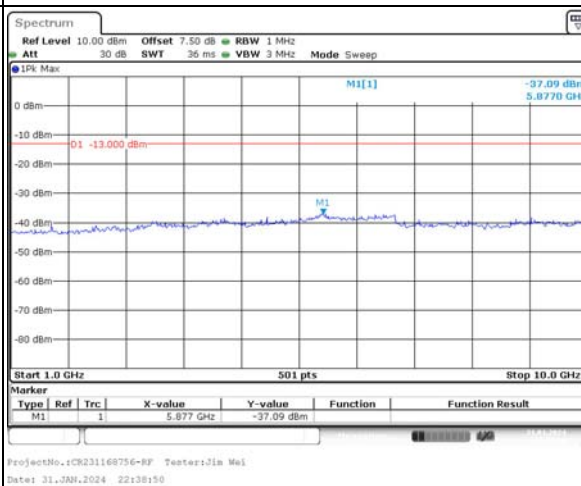
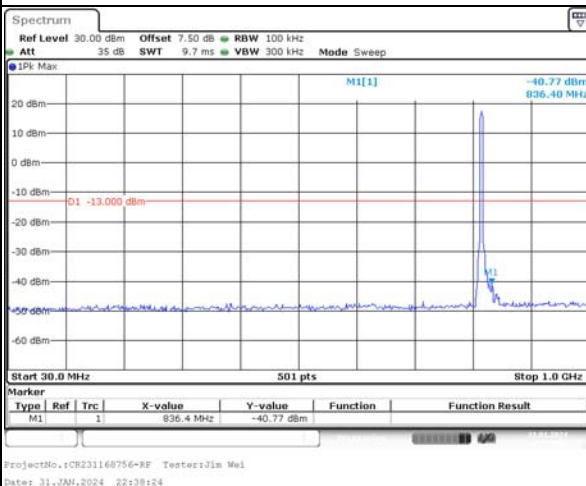
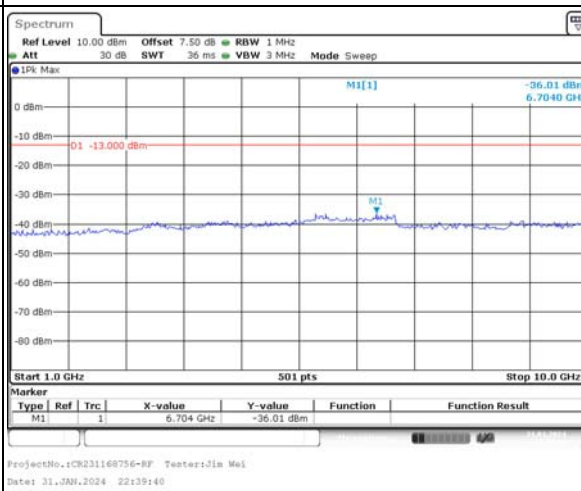
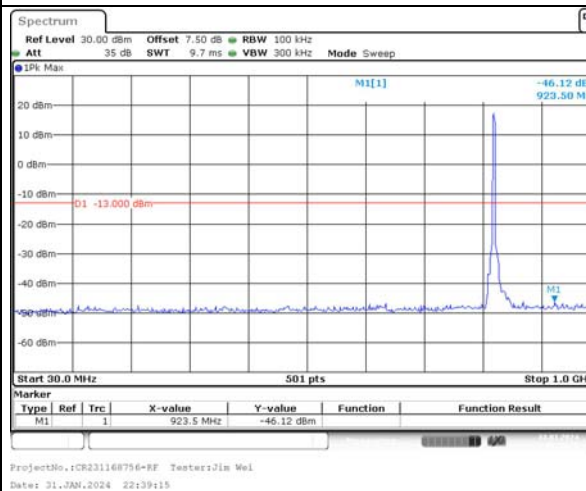
Channel

3MHz Bandwidth QPSK

Lowest



Highest

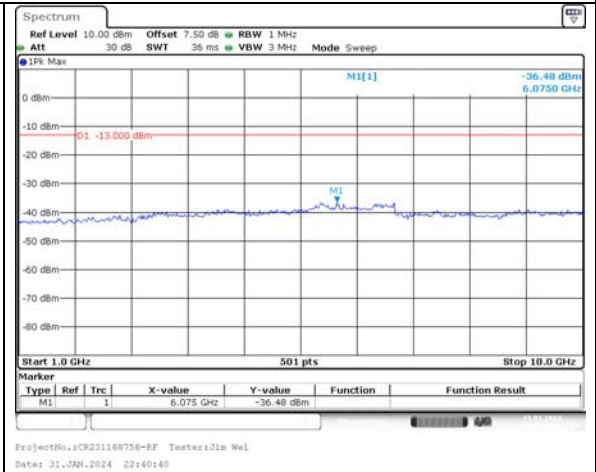
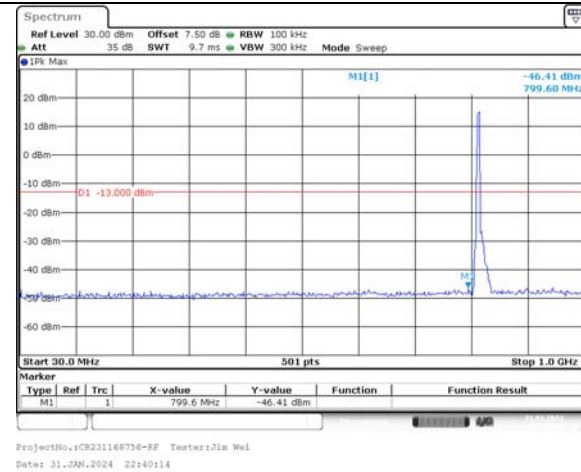
Cross
90S and
22H

Spurious Emissions at Antenna Terminal

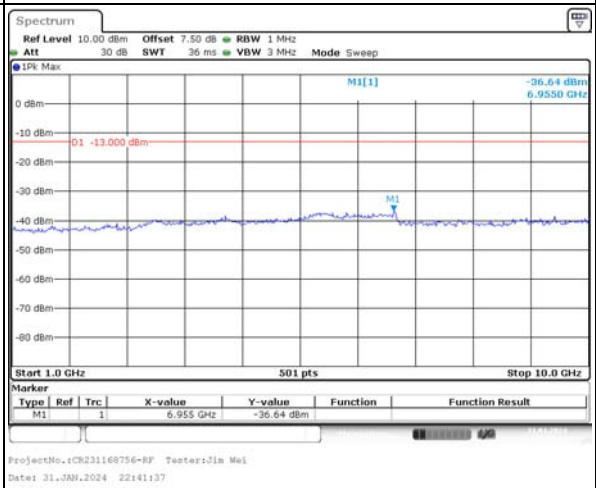
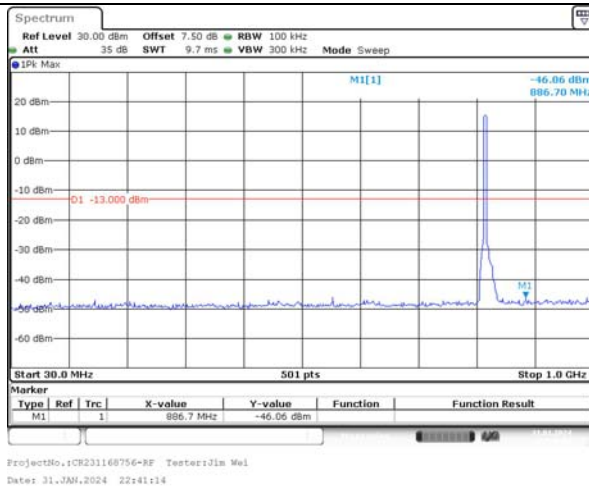
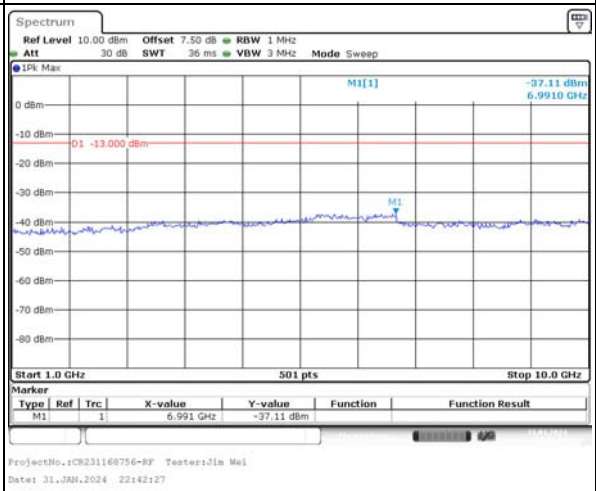
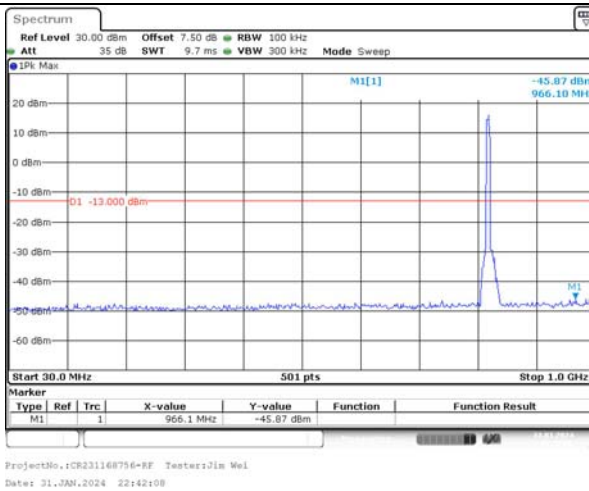
Channel

5MHz Bandwidth QPSK

Lowest



Highest

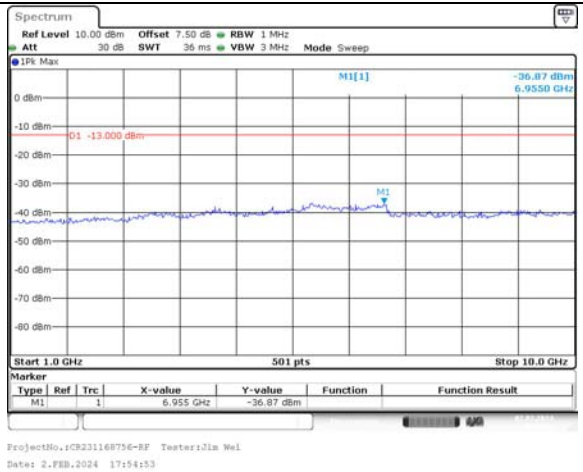
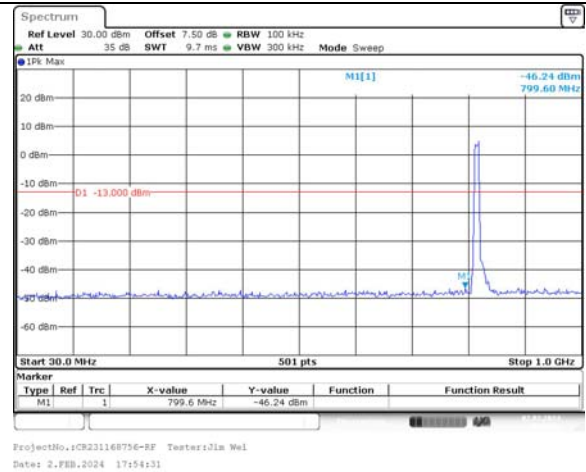
Cross
90S and
22H

Spurious Emissions at Antenna Terminal

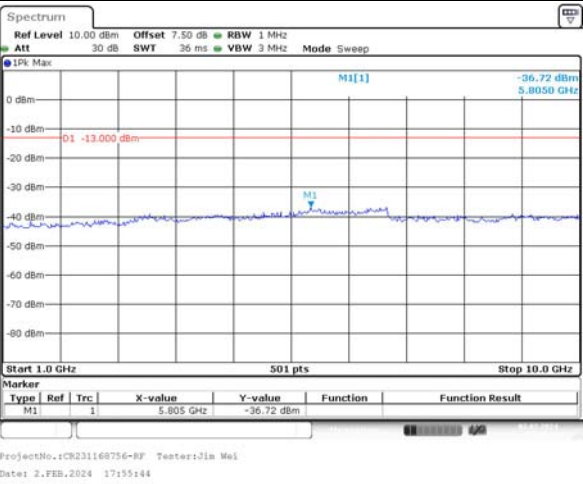
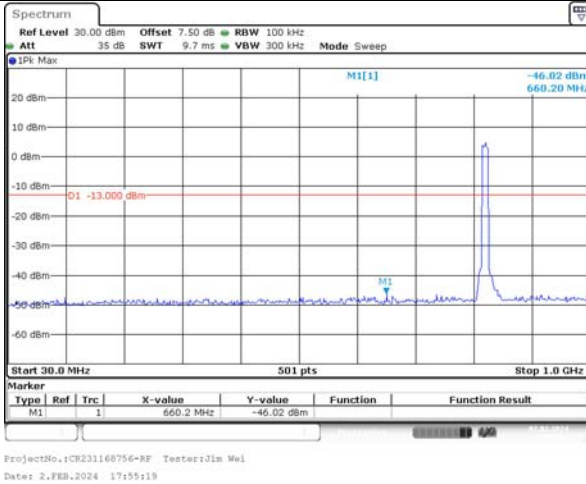
Channel

10MHz Bandwidth QPSK

Lowest



Cross
90S and
22H

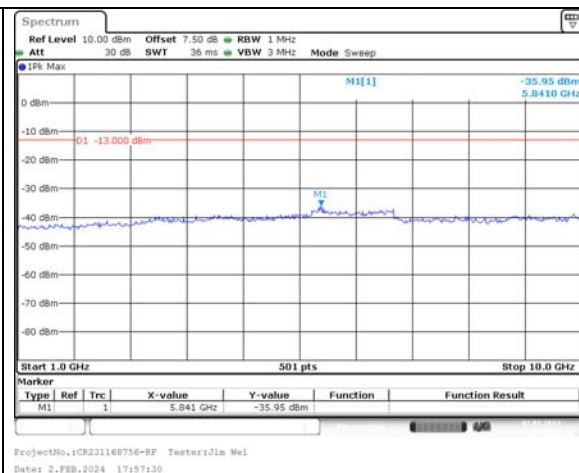
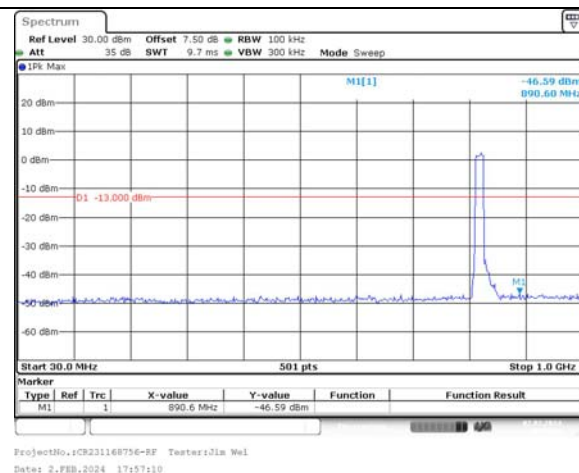
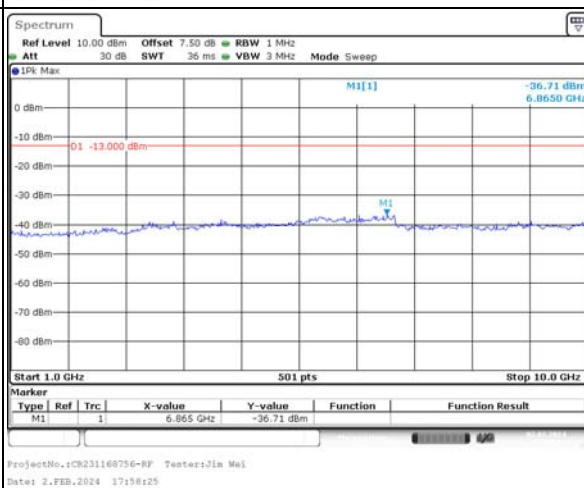
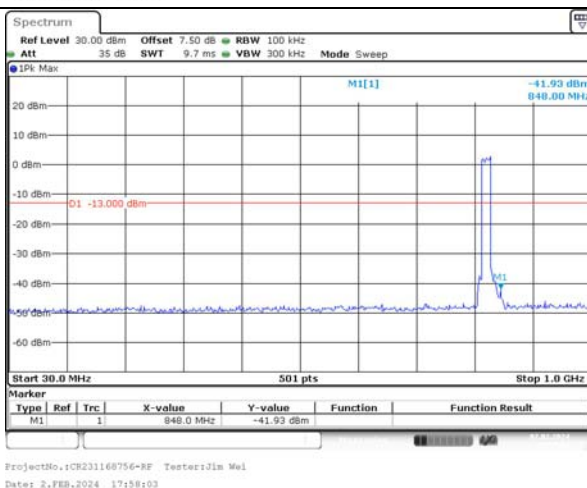


Spurious Emissions at Antenna Terminal

Channel

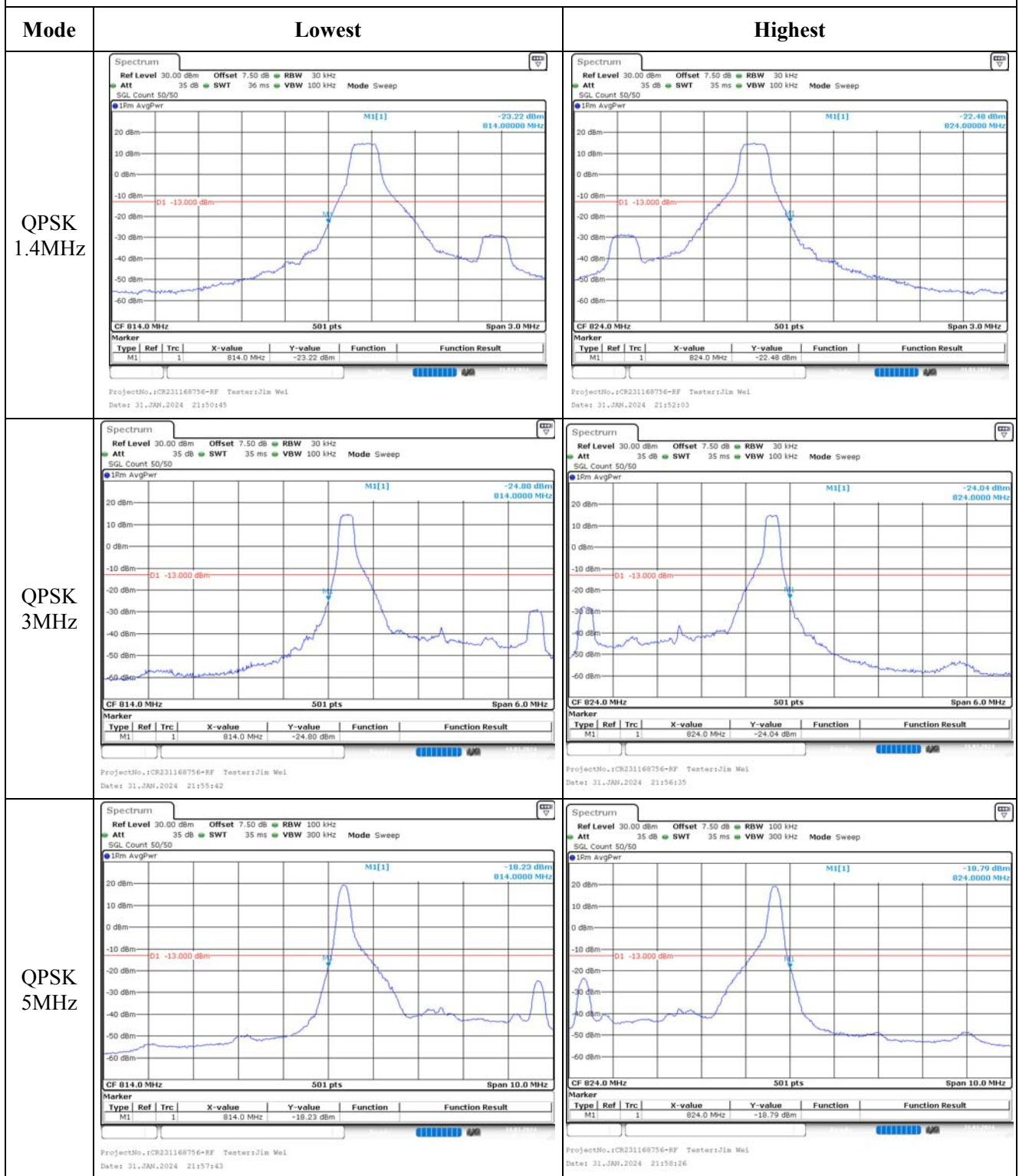
15MHz Bandwidth QPSK

Lowest

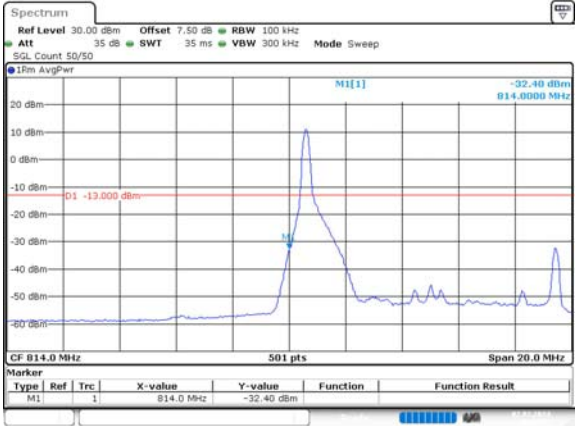
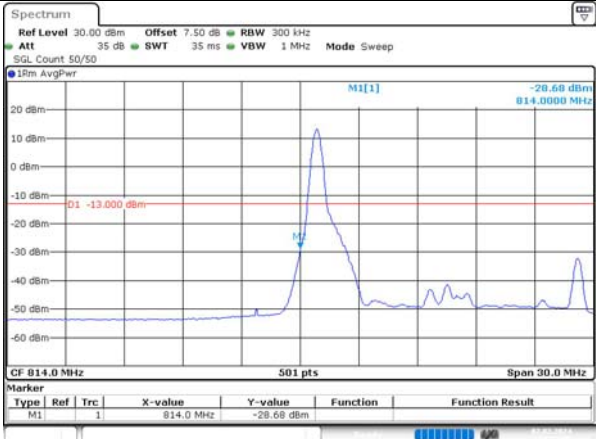
Cross
90S and
22H

1RB:

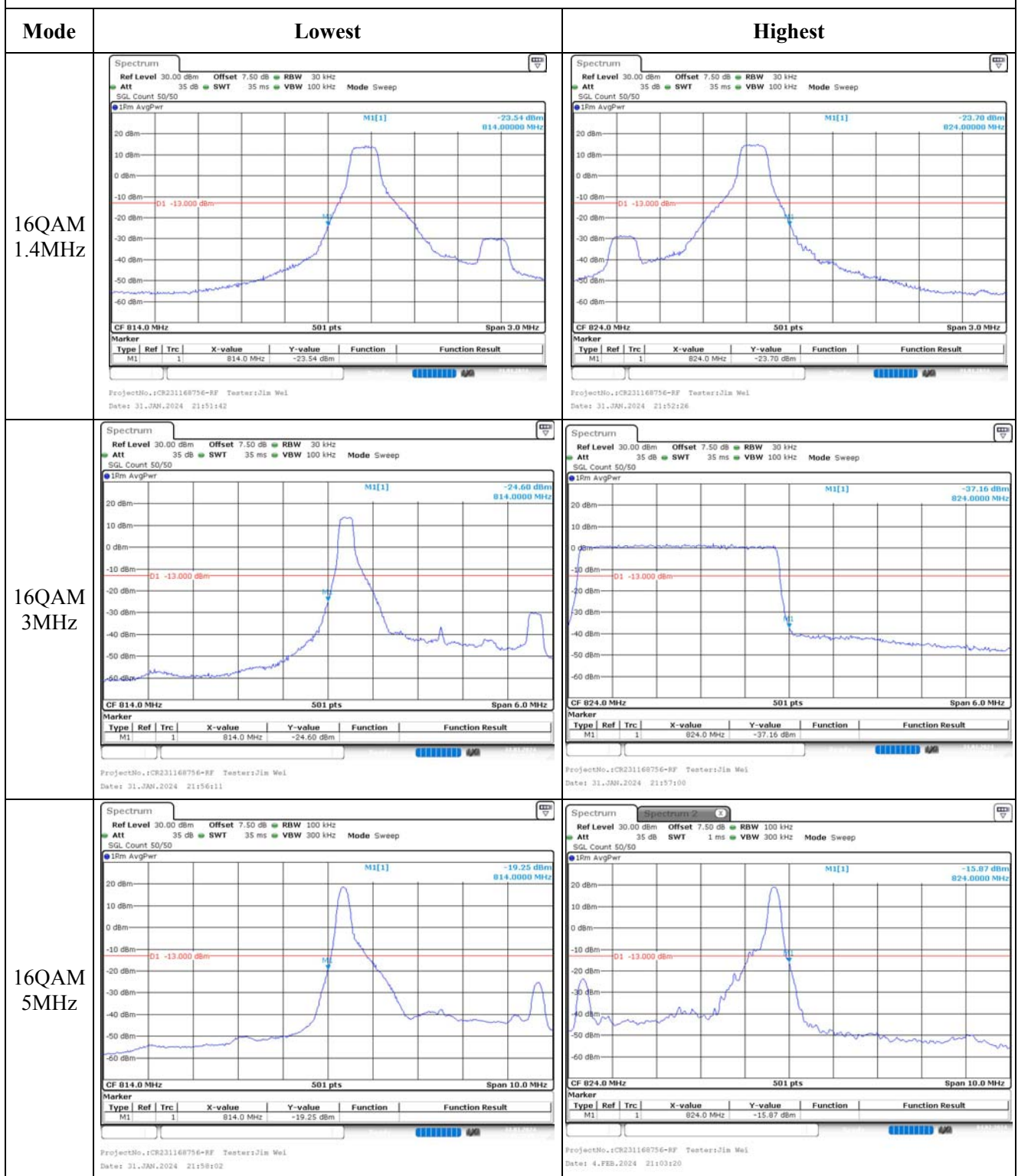
Out of band emission, Band Edge



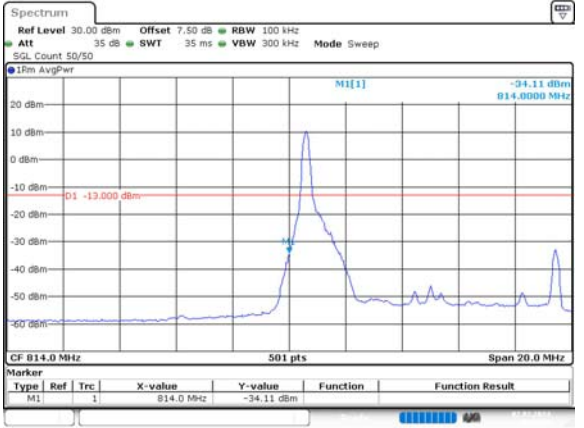
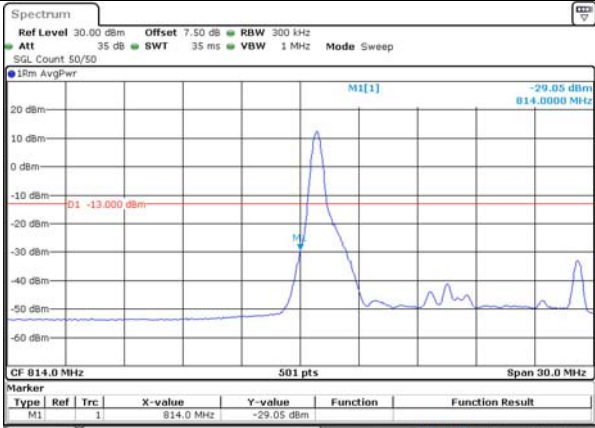
Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 10MHz	 ProjectNo.:CR231168756-RF Tester:Jin Wei Date: 2.FEB.2024 17:32:47	
QPSK 15MHz	 ProjectNo.:CR231168756-RF Tester:Jin Wei Date: 2.FEB.2024 17:35:35	

Out of band emission, Band Edge

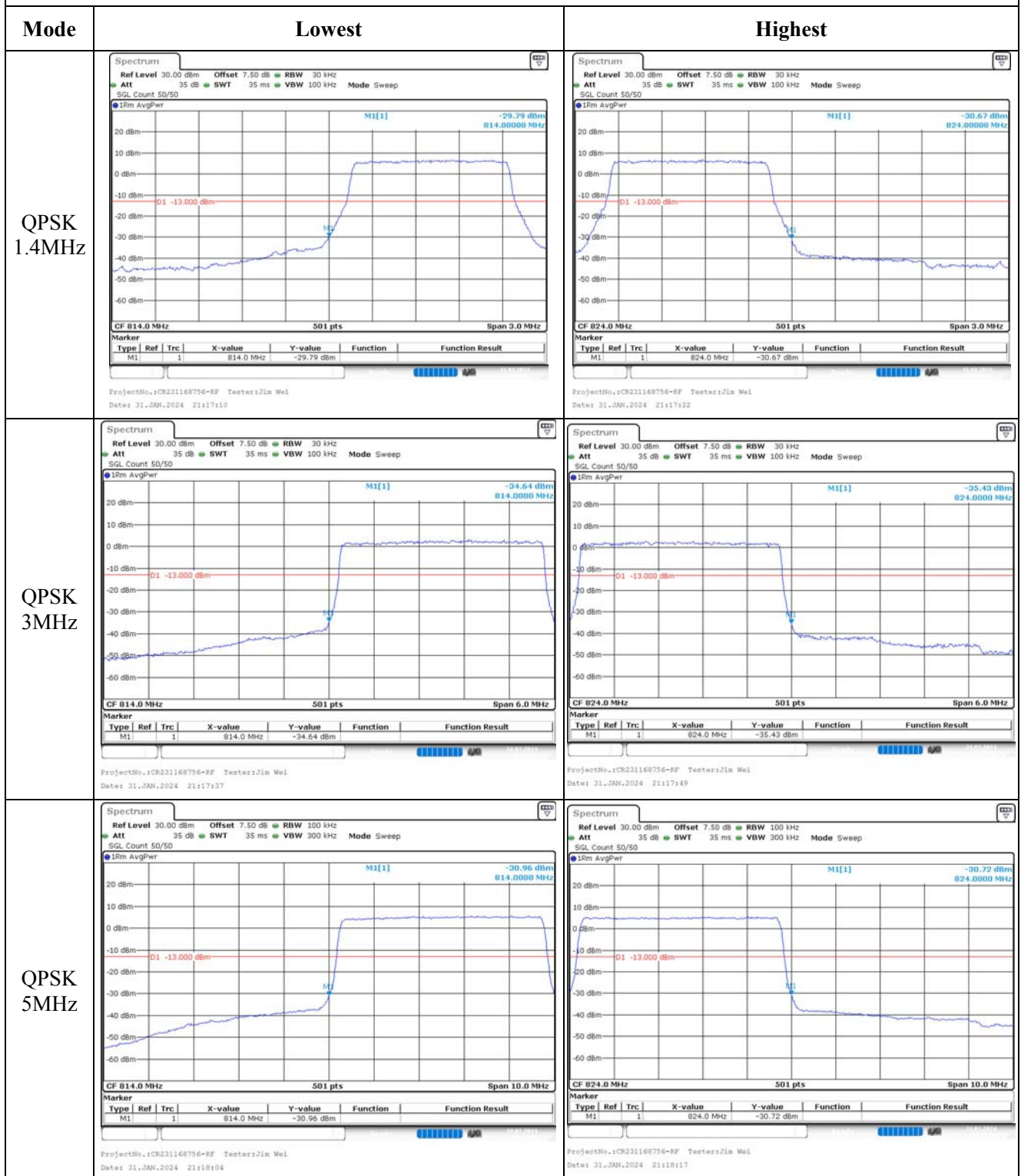


Out of band emission, Band Edge

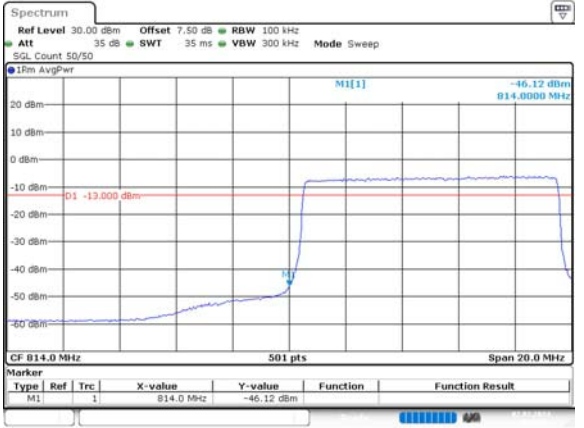
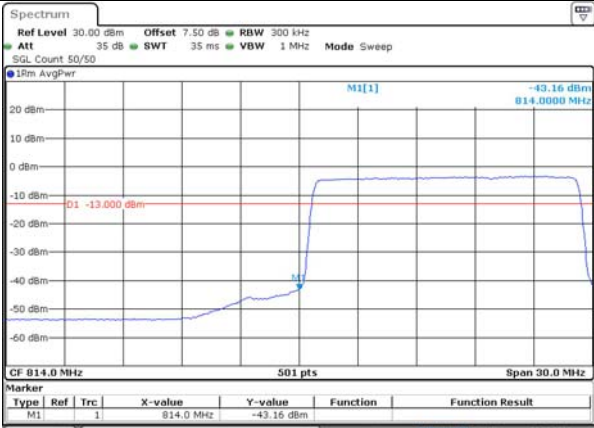
Mode	Lowest	Highest
16QAM 10MHz	 ProjectNo.:CR231168756-RF Tester:Jin Wei Date: 2.FEB.2024 17:33:18	
16QAM 15MHz	 ProjectNo.:CR231168756-RF Tester:Jin Wei Date: 2.FEB.2024 17:36:05	

Full RB:

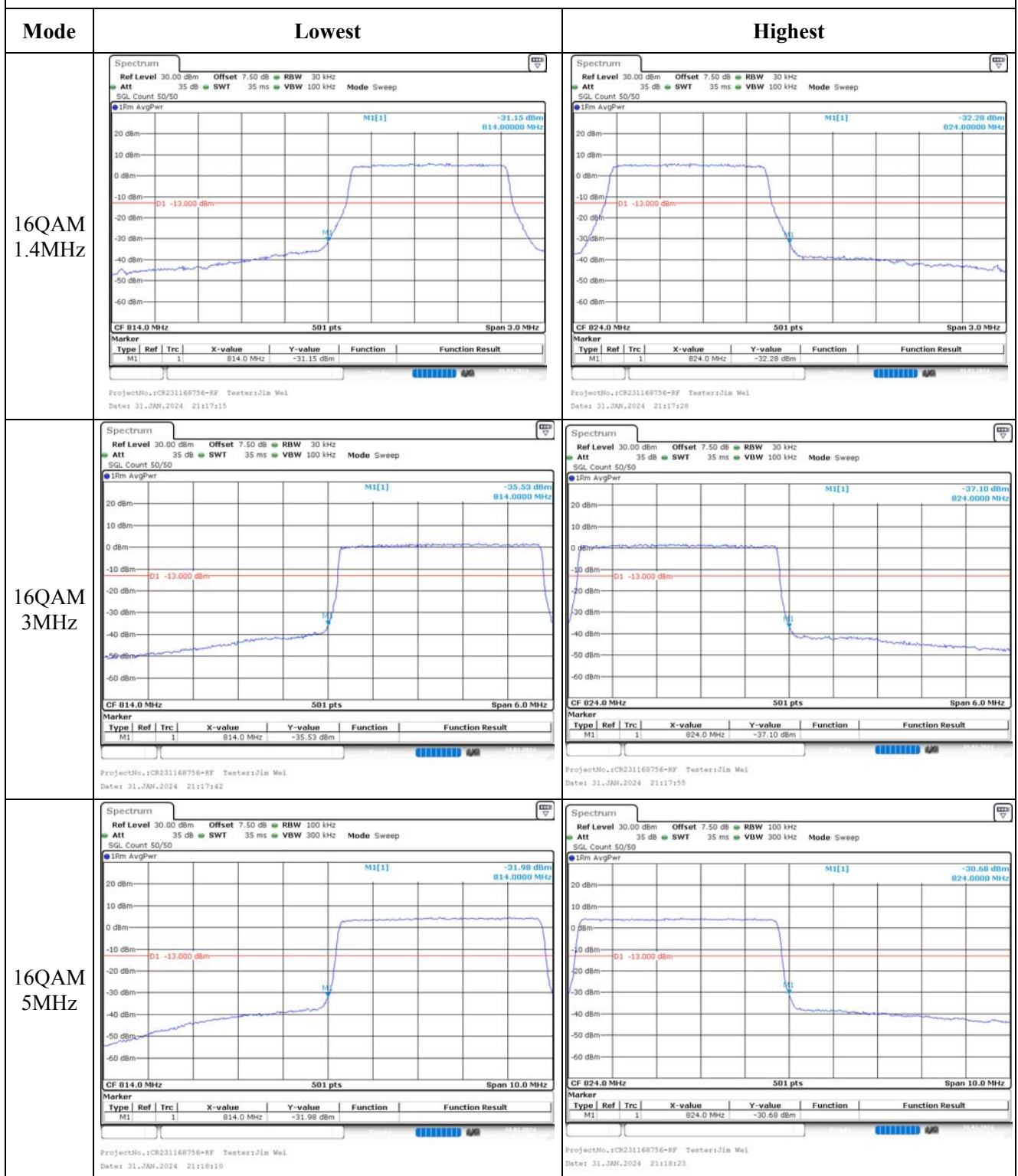
Out of band emission, Band Edge



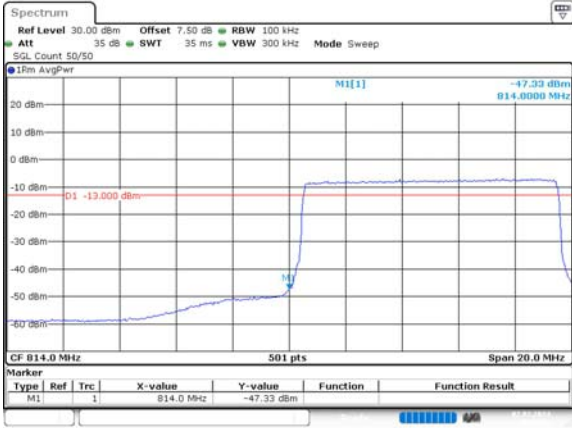
Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 10MHz	 ProjectNo.:CR231168756-RF Tester:Jin Wei Date: 2.FEB.2024 17:23:23	
QPSK 15MHz	 ProjectNo.:CR231168756-RF Tester:Jin Wei Date: 2.FEB.2024 17:23:53	

Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 10MHz	 ProjectNo.:CR231168756-0F Tester:Jin Wei Date: 2.FEB.2024 17:23:30	
16QAM 15MHz	 ProjectNo.:CR231168756-0F Tester:Jin Wei Date: 2.FEB.2024 17:23:59	

4.14 Antenna Port Test Data and Results for LTE Band 38

Serial Number:	2DYK-1	Test Date:	2024/1/2-2024/3/7
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jim Wei	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~26.5	Relative Humidity: (%)	40~55	ATM Pressure: (kPa)	101.1-101.9
----------------------	-----------	---------------------------	-------	------------------------	-------------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
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	143458	2023/3/31	2024/3/30
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2023/9/29	2024/9/28
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)
5MHz	2572.5	2595	2617.5
10MHz	2575	2595	2615
15MHz	2577.5	2595	2612.5
20MHz	2580	2595	2610

Test Data:

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	22.30	22.35	22.38	24.43	33
	RB1#13	22.41	22.48	22.50		
	RB1#24	22.34	22.36	22.38		
	RB15#0	21.30	21.46	21.43		
	RB15#10	21.31	21.41	21.41		
	RB25#0	21.30	21.46	21.46		
5MHz 16QAM	RB1#0	21.48	21.37	21.44	23.55	33
	RB1#13	21.62	21.50	21.56		
	RB1#24	21.54	21.37	21.41		
	RB15#0	20.38	20.42	20.45		
	RB15#10	20.41	20.37	20.44		
	RB25#0	20.31	20.51	20.48		
10MHz QPSK	RB1#0	22.49	22.54	22.50	24.73	33
	RB1#25	22.64	22.80	22.79		
	RB1#49	22.42	22.48	22.49		
	RB25#0	21.40	21.53	21.52		
	RB25#25	21.39	21.48	21.51		
	RB50#0	21.39	21.50	21.55		
10MHz 16QAM	RB1#0	21.62	21.42	21.64	23.82	33
	RB1#25	21.89	21.70	21.89		
	RB1#49	21.63	21.39	21.63		
	RB25#0	20.38	20.62	20.60		
	RB25#25	20.45	20.58	20.55		
	RB50#0	20.41	20.55	20.58		
15MHz QPSK	RB1#0	22.35	22.48	22.48	24.52	33
	RB1#38	22.48	22.59	22.54		
	RB1#74	22.39	22.43	22.44		
	RB36#0	21.47	21.51	21.54		
	RB36#39	21.47	21.49	21.53		
	RB75#0	21.48	21.50	21.56		
15MHz 16QAM	RB1#0	21.52	21.41	21.71	23.69	33
	RB1#38	21.65	21.49	21.76		
	RB1#74	21.59	21.35	21.64		
	RB36#0	20.44	20.57	20.59		
	RB36#39	20.42	20.45	20.59		
	RB75#0	20.43	20.52	20.59		
20MHz QPSK	RB1#0	22.26	22.29	22.40	24.79	33
	RB1#50	22.73	22.77	22.86		
	RB1#99	22.29	22.24	22.35		

20MHz 16QAM	RB50#0	21.51	21.58	21.56	24	33
	RB50#50	21.47	21.44	21.52		
	RB100#0	21.50	21.55	21.53		
	RB1#0	21.34	21.31	21.63		
	RB1#50	21.82	21.76	22.07		
	RB1#99	21.39	21.26	21.58		
	RB50#0	20.50	20.64	20.61		
	RB50#50	20.49	20.58	20.56		
	RB100#0	20.46	20.57	20.56		

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	8.28	8.93	9.22	13
	RB100#0	8.81	9.57	9.59	13
20MHz 16QAM	RB1#0	9.88	9.85	10.03	13
	RB100#0	10.29	10.43	9.74	13
Result:					Pass

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	4.491	4.511	4.511	4.960	4.980	4.940
5MHz 16QAM	4.491	4.511	4.491	4.960	4.960	4.960
10MHz QPSK	8.942	8.942	8.942	9.520	9.640	9.800
10MHz 16QAM	8.942	8.942	8.942	9.640	9.480	9.520
15MHz QPSK	13.413	13.533	13.533	14.760	15.660	14.880
15MHz 16QAM	13.533	13.533	13.533	15.420	15.420	15.240
20MHz QPSK	17.964	17.964	17.964	19.280	19.280	19.920
20MHz 16QAM	17.884	17.964	17.884	19.360	20.240	19.280

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

Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
----------------	--

Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
----------------	---

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	2570.960	2570.00	2618.924	2620
	-20	3.8	2570.960	2570.00	2618.924	2620
	-10	3.8	2570.960	2570.00	2618.915	2620
	0	3.8	2570.951	2570.00	2618.936	2620
	10	3.8	2570.972	2570.00	2618.933	2620
	20	3.8	2570.978	2570.00	2618.942	2620
	30	3.8	2570.984	2570.00	2618.954	2620
	40	3.8	2570.999	2570.00	2618.945	2620
	50	3.8	2571.005	2570.00	2618.951	2620
Frequency Stability vs. Voltage	20	3.23	2570.981	2570.00	2618.948	2620
	20	4.18	2571.005	2570.00	2618.951	2620
					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	2571.046	2570.00	2618.936	2620
	-20	3.8	2571.055	2570.00	2618.915	2620
	-10	3.8	2571.031	2570.00	2618.927	2620
	0	3.8	2571.034	2570.00	2618.924	2620
	10	3.8	2571.034	2570.00	2618.918	2620
	20	3.8	2571.058	2570.00	2618.942	2620
	30	3.8	2571.076	2570.00	2618.966	2620
	40	3.8	2571.076	2570.00	2618.948	2620
	50	3.8	2571.079	2570.00	2618.951	2620
Frequency Stability vs. Voltage	20	3.23	2571.085	2570.00	2618.951	2620
	20	4.18	2571.070	2570.00	2618.960	2620
					Result:	Pass

Test Plots(Note: The 7.5dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

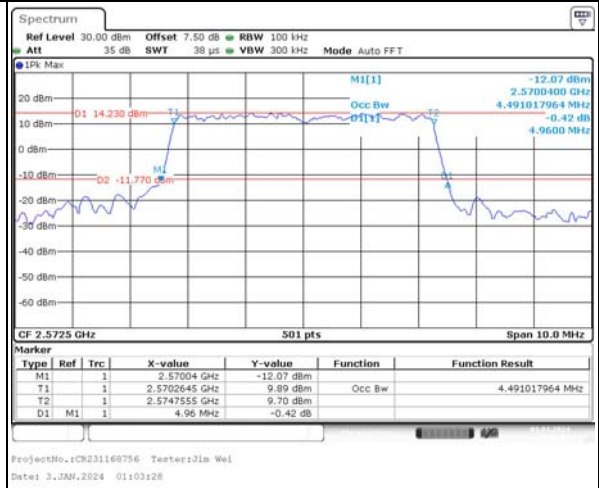
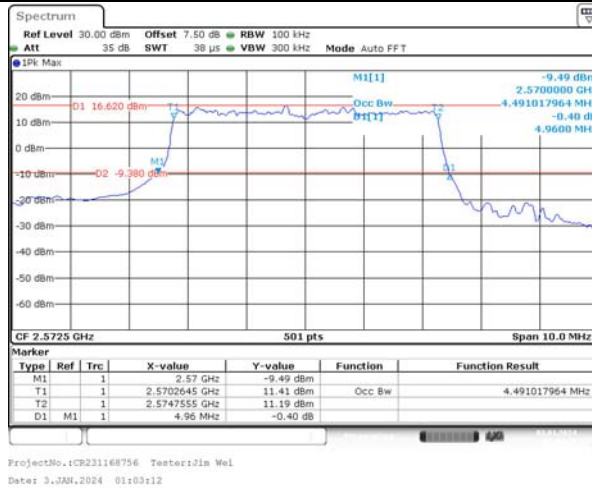
Occupied Bandwidth

Channel

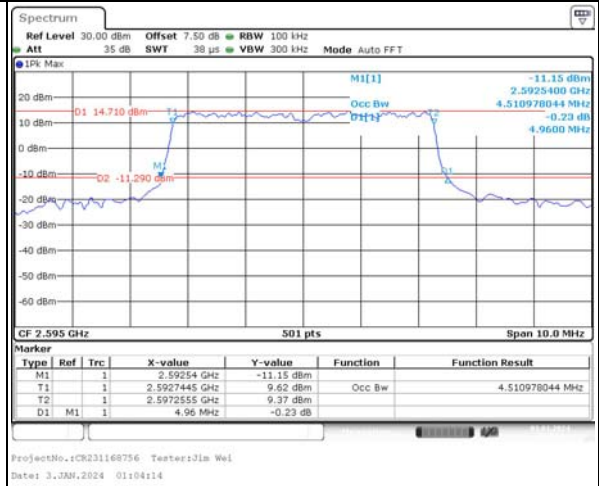
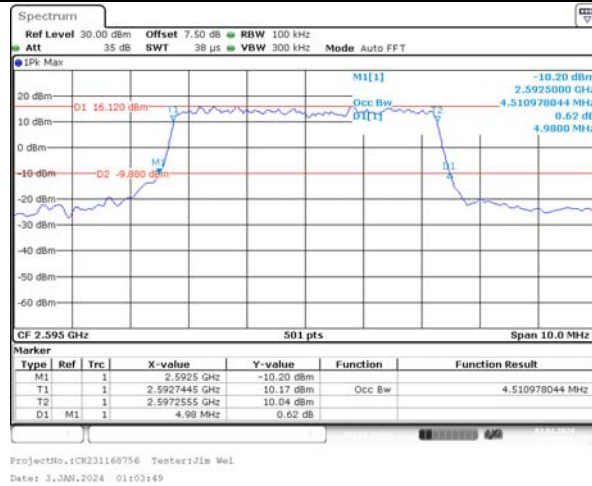
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

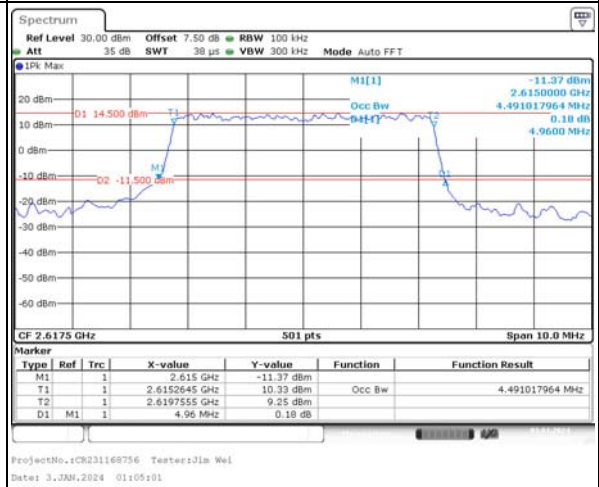
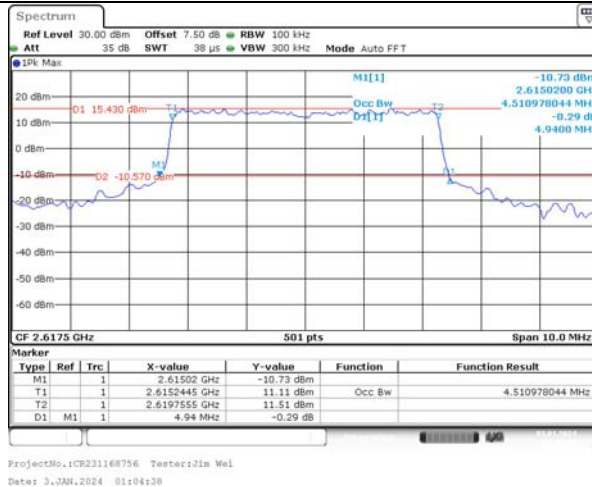
Lowest



Middle



Highest



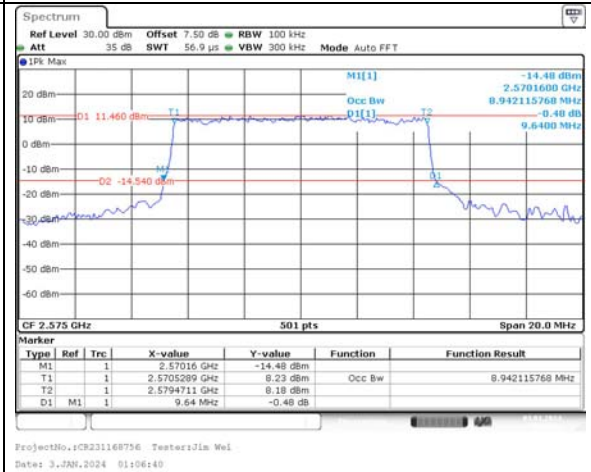
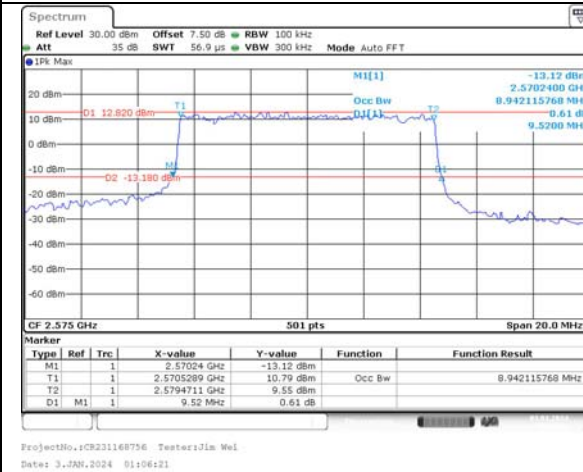
Occupied Bandwidth

Channel

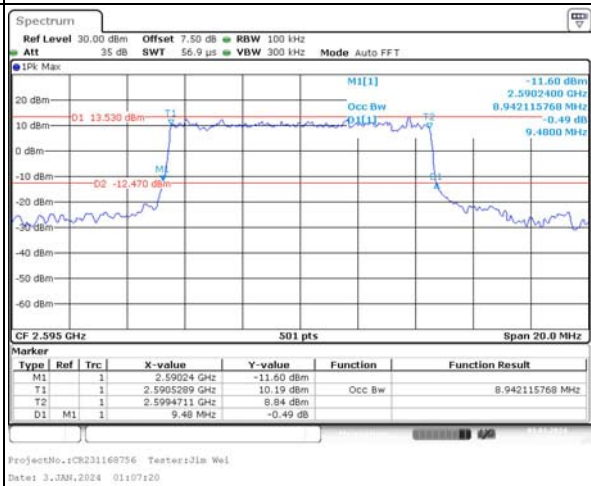
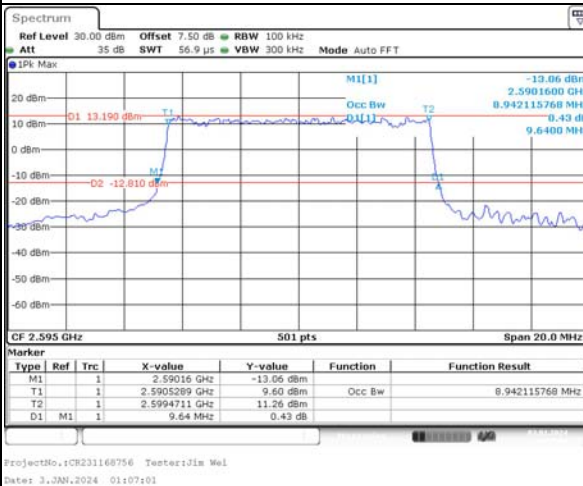
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

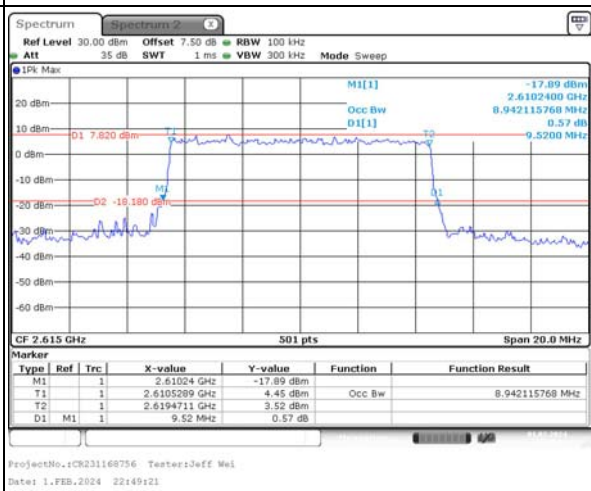
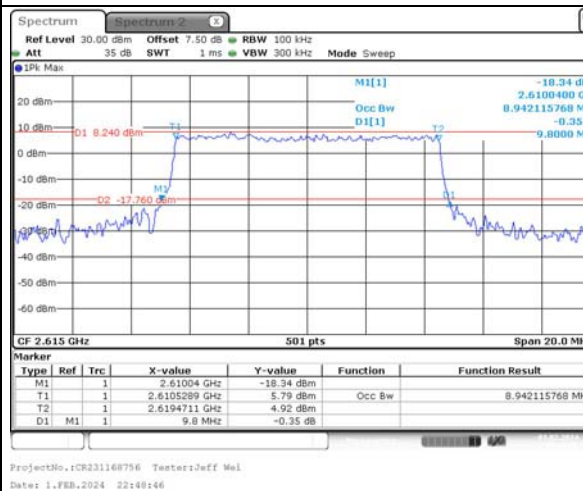
Lowest



Middle



Highest



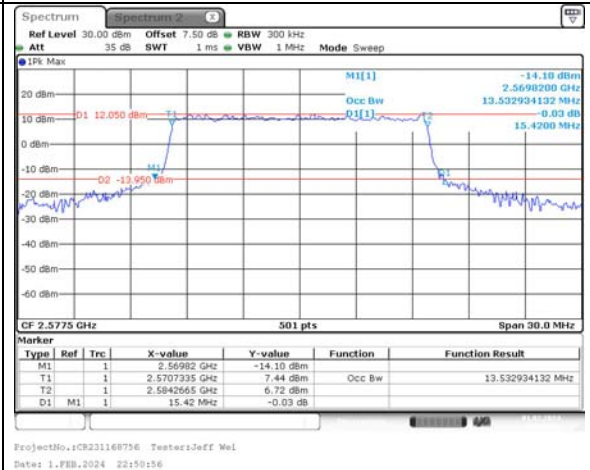
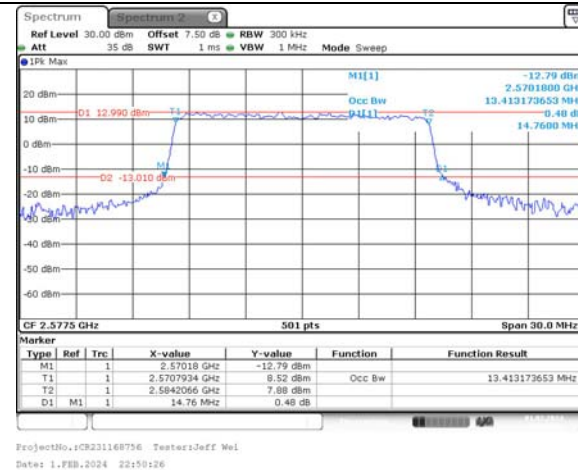
Occupied Bandwidth

Channel

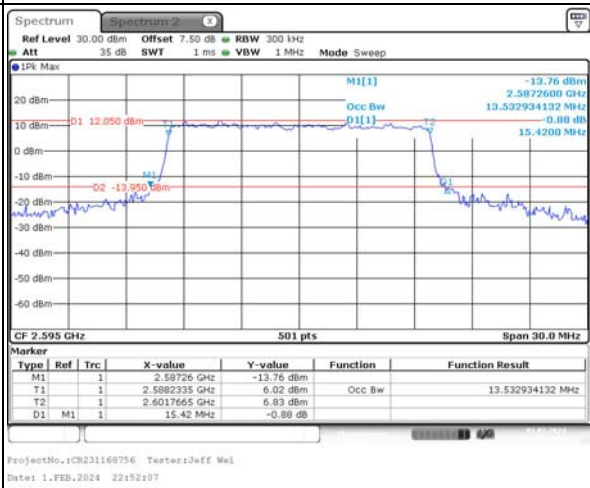
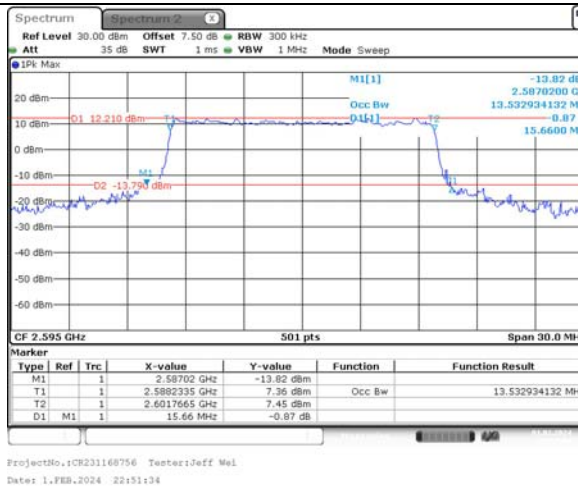
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

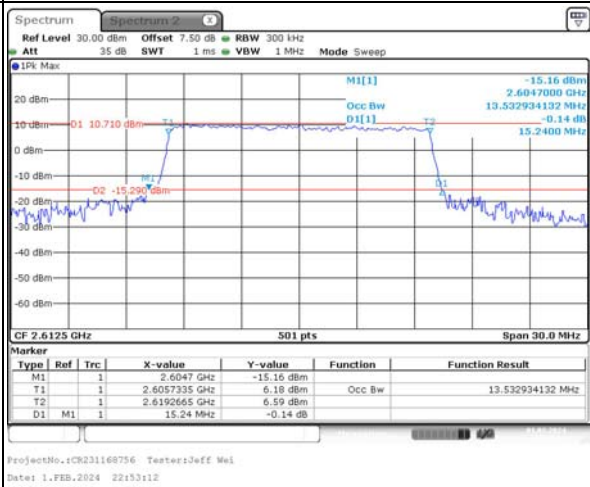
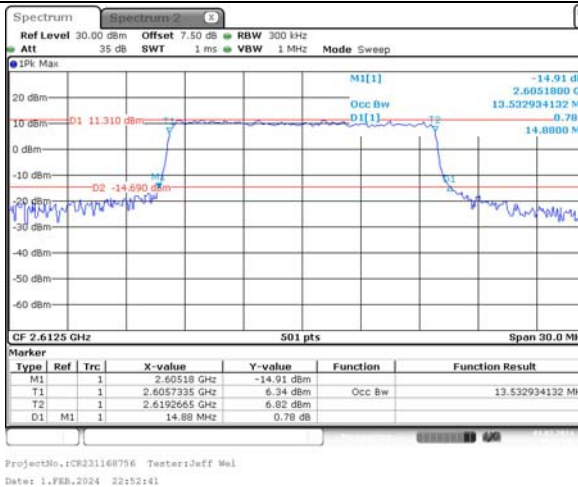
Lowest



Middle



Highest



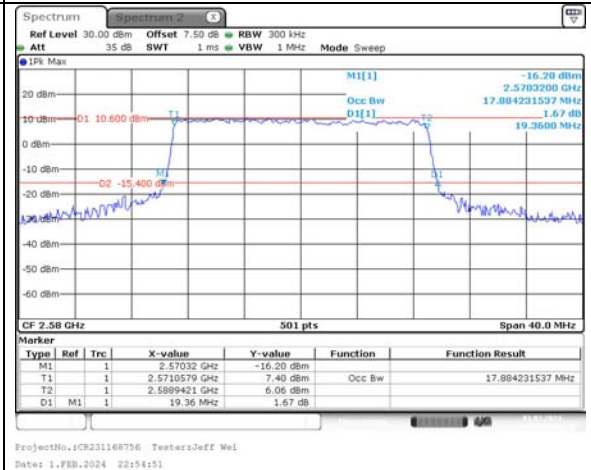
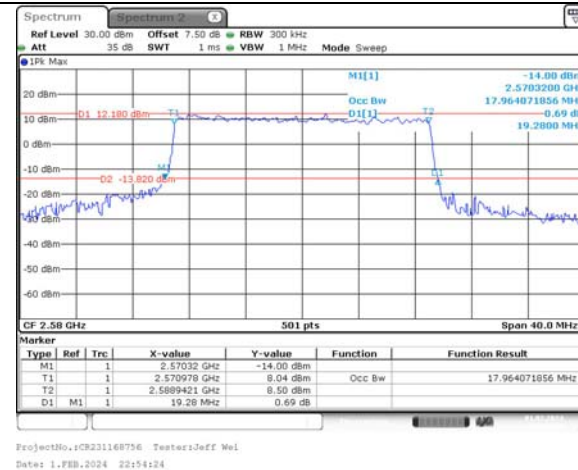
Occupied Bandwidth

Channel

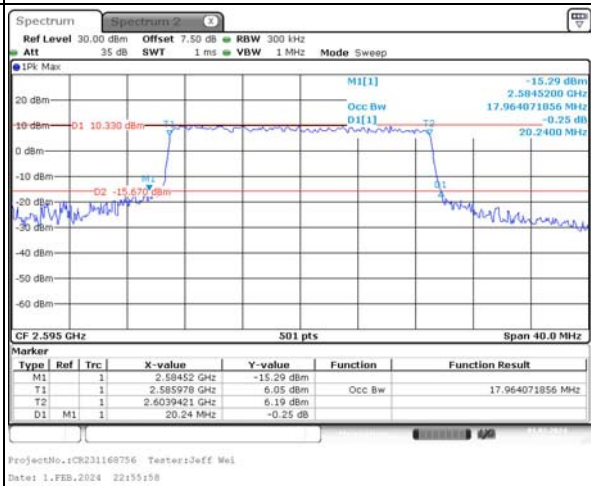
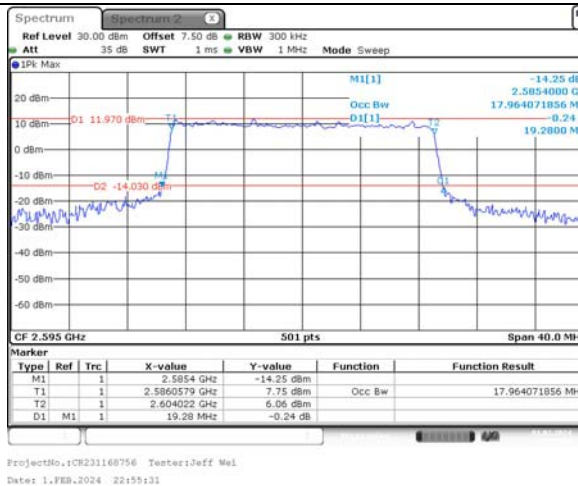
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

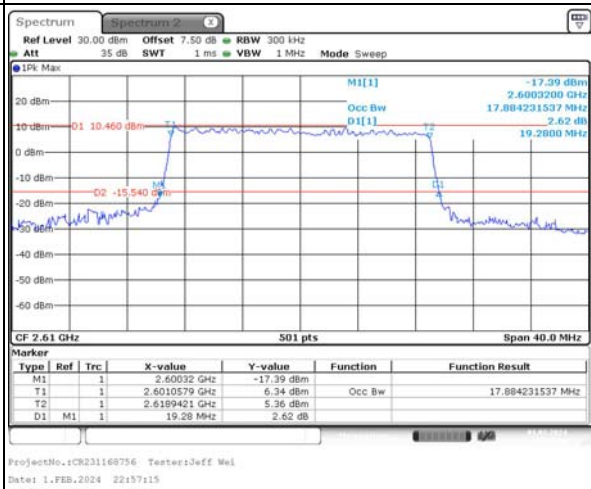
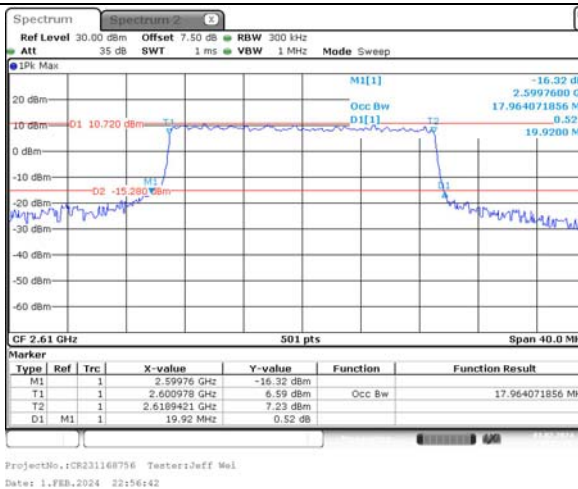
Lowest



Middle

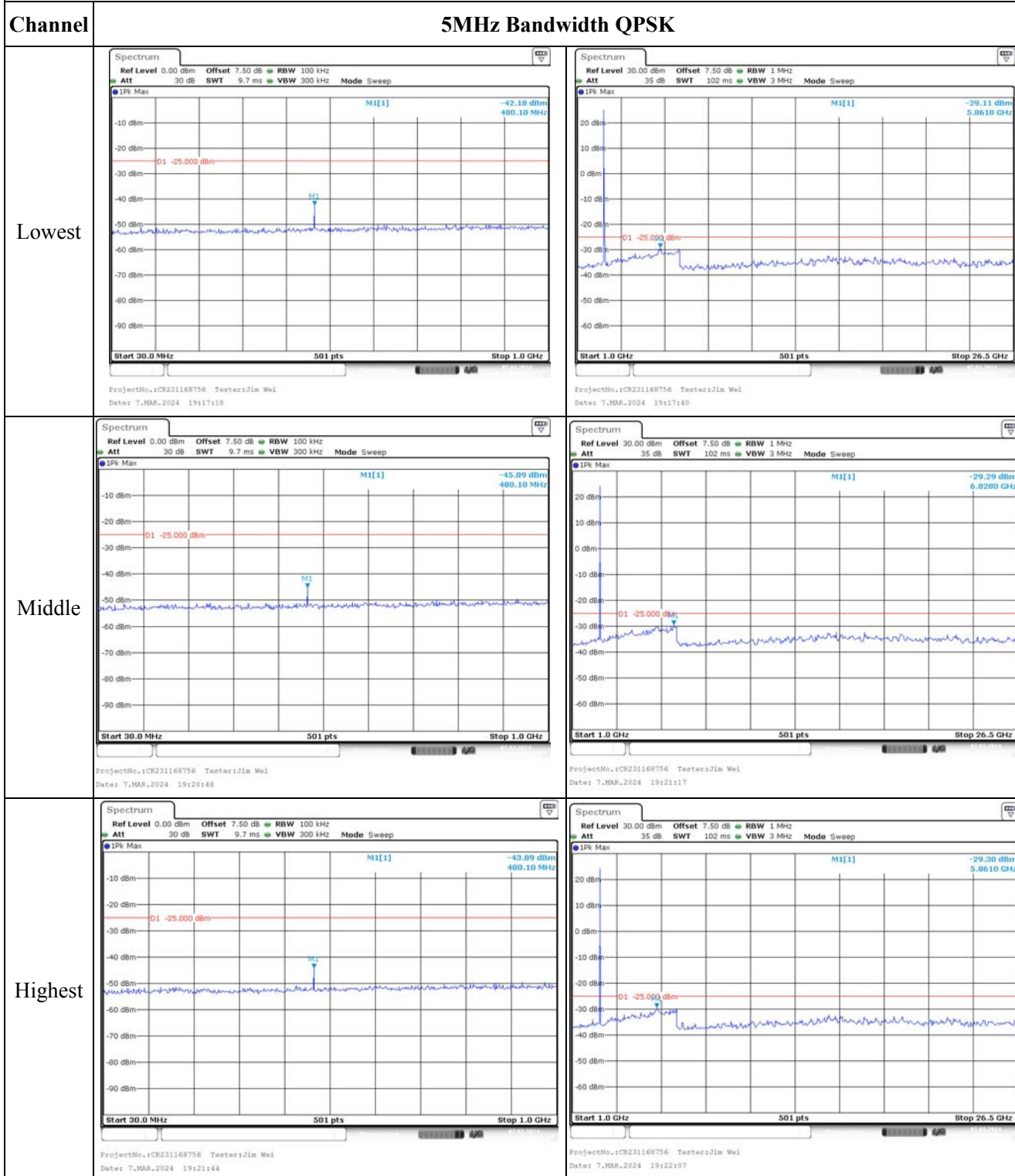


Highest

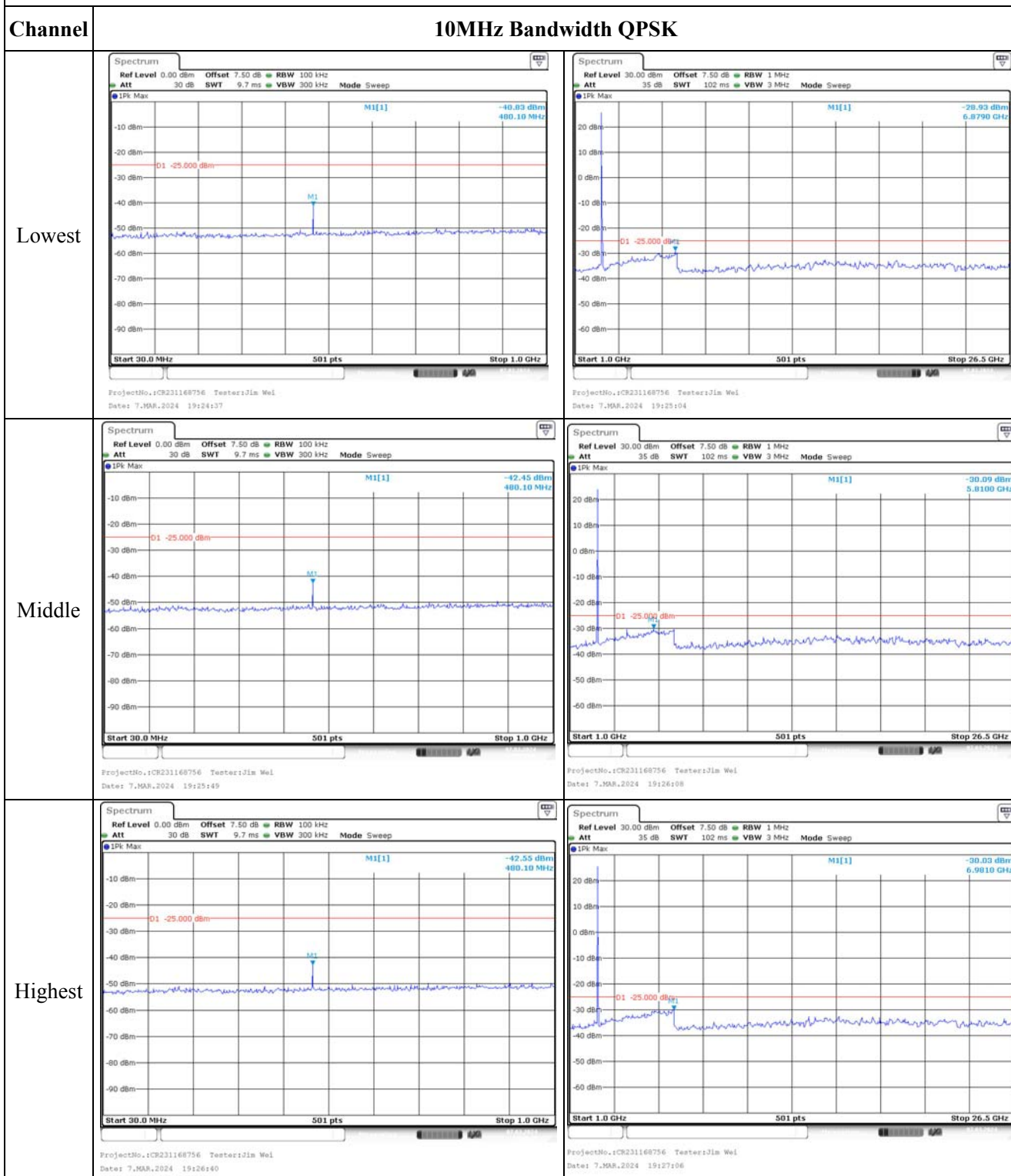


RB1#0:

Spurious Emissions at Antenna Terminal



Spurious Emissions at Antenna Terminal

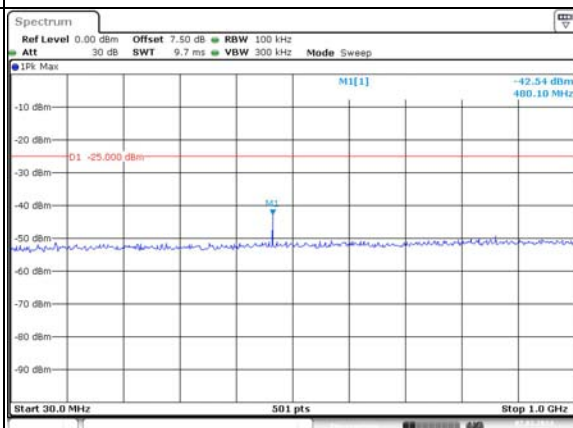
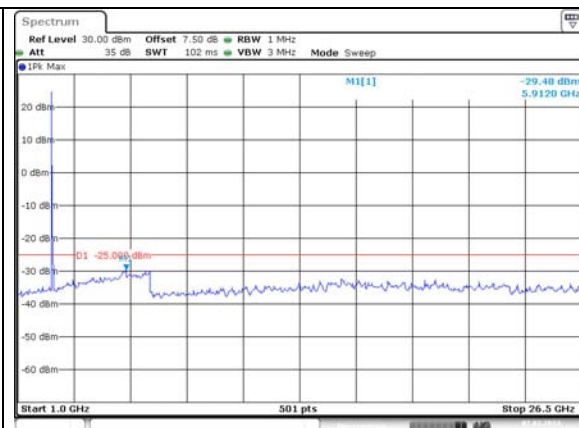


Spurious Emissions at Antenna Terminal

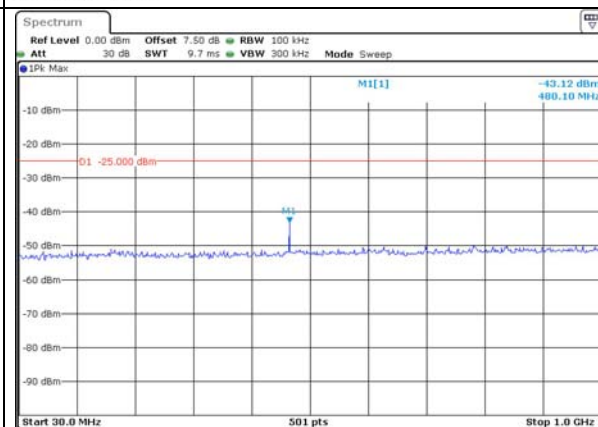
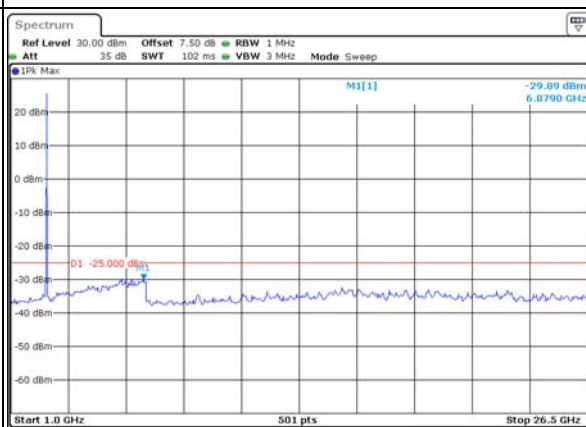
Channel

15MHz Bandwidth QPSK

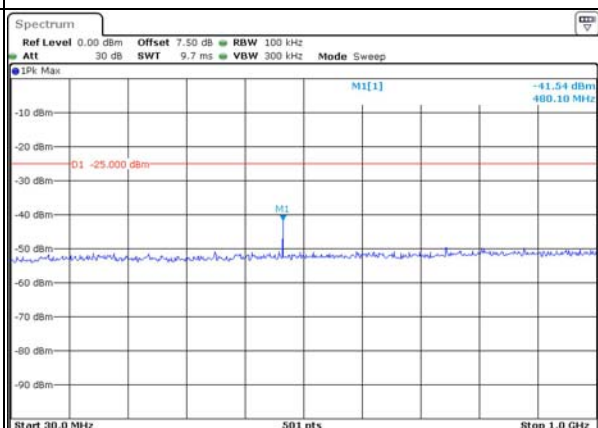
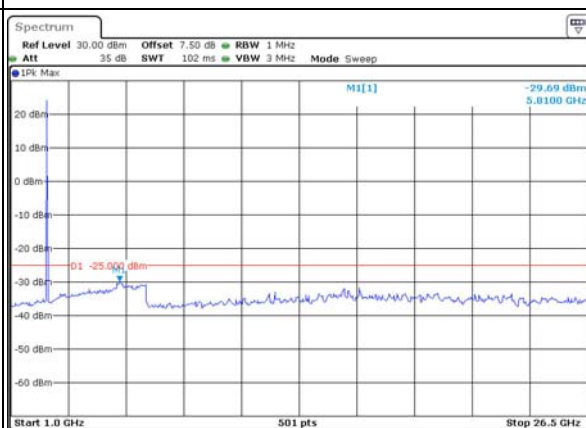
Lowest

ProjectNo.:CR231168756 TestersJim Wei
Date: 7.MAR.2024 19:28:41ProjectNo.:CR231168756 TestersJim Wei
Date: 7.MAR.2024 19:29:06

Middle

ProjectNo.:CR231168756 TestersJim Wei
Date: 7.MAR.2024 19:29:43ProjectNo.:CR231168756 TestersJim Wei
Date: 7.MAR.2024 19:30:12

Highest

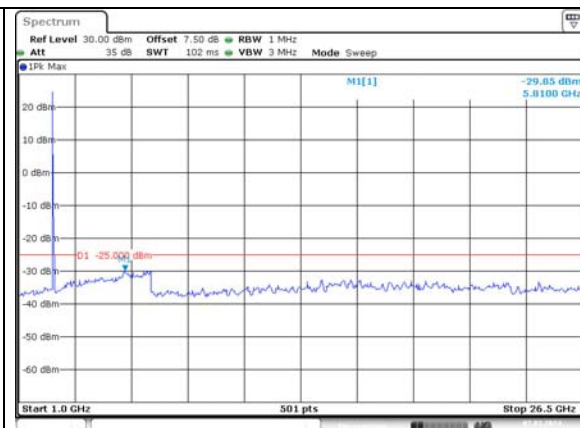
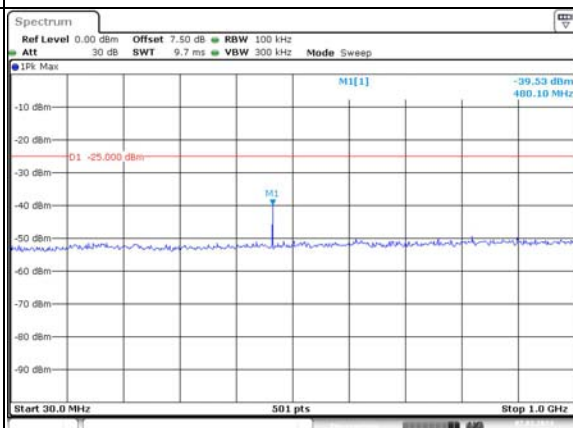
ProjectNo.:CR231168756 TestersJim Wei
Date: 7.MAR.2024 19:31:01ProjectNo.:CR231168756 TestersJim Wei
Date: 7.MAR.2024 19:31:23

Spurious Emissions at Antenna Terminal

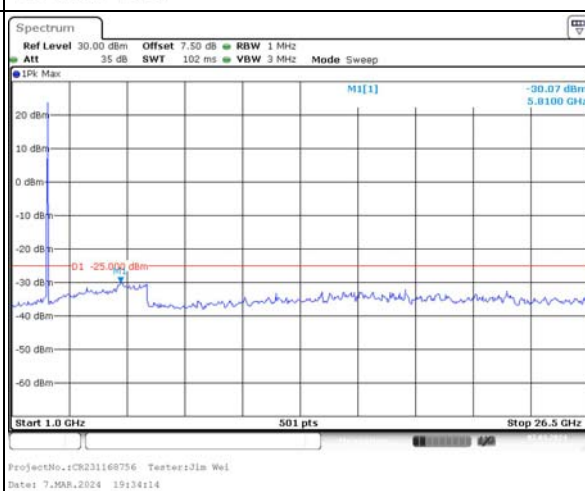
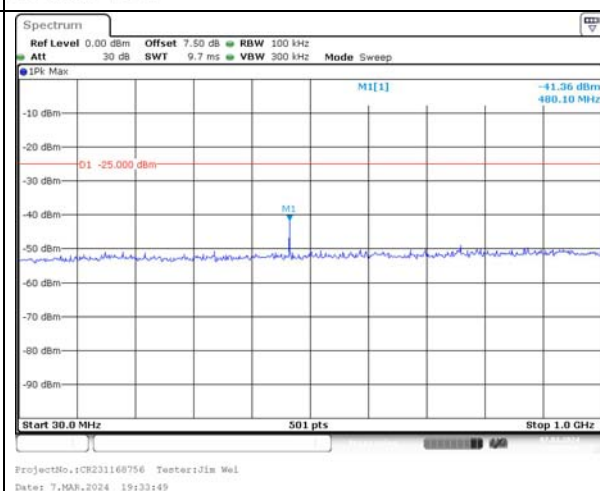
Channel

20MHz Bandwidth QPSK

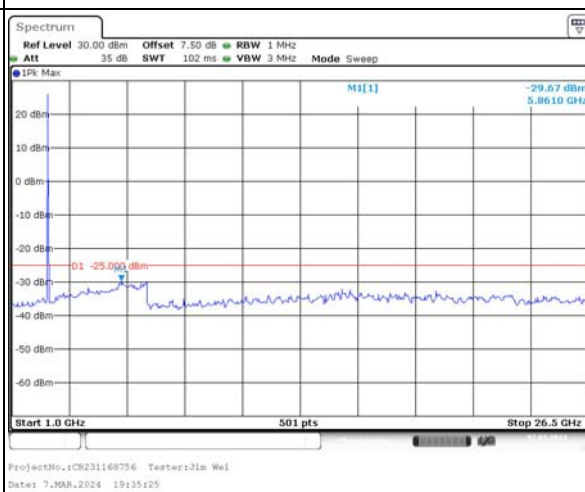
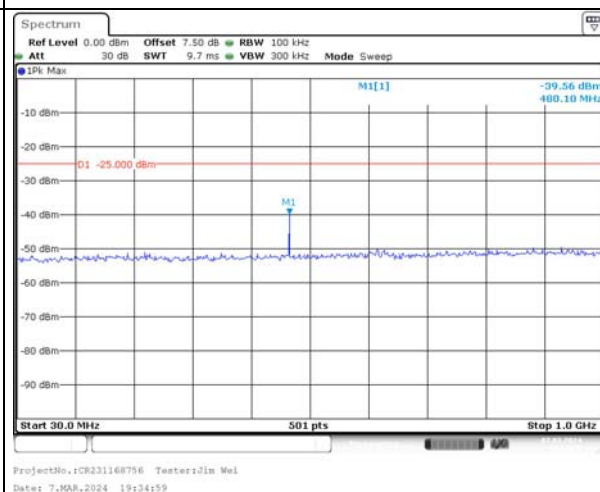
Lowest



Middle

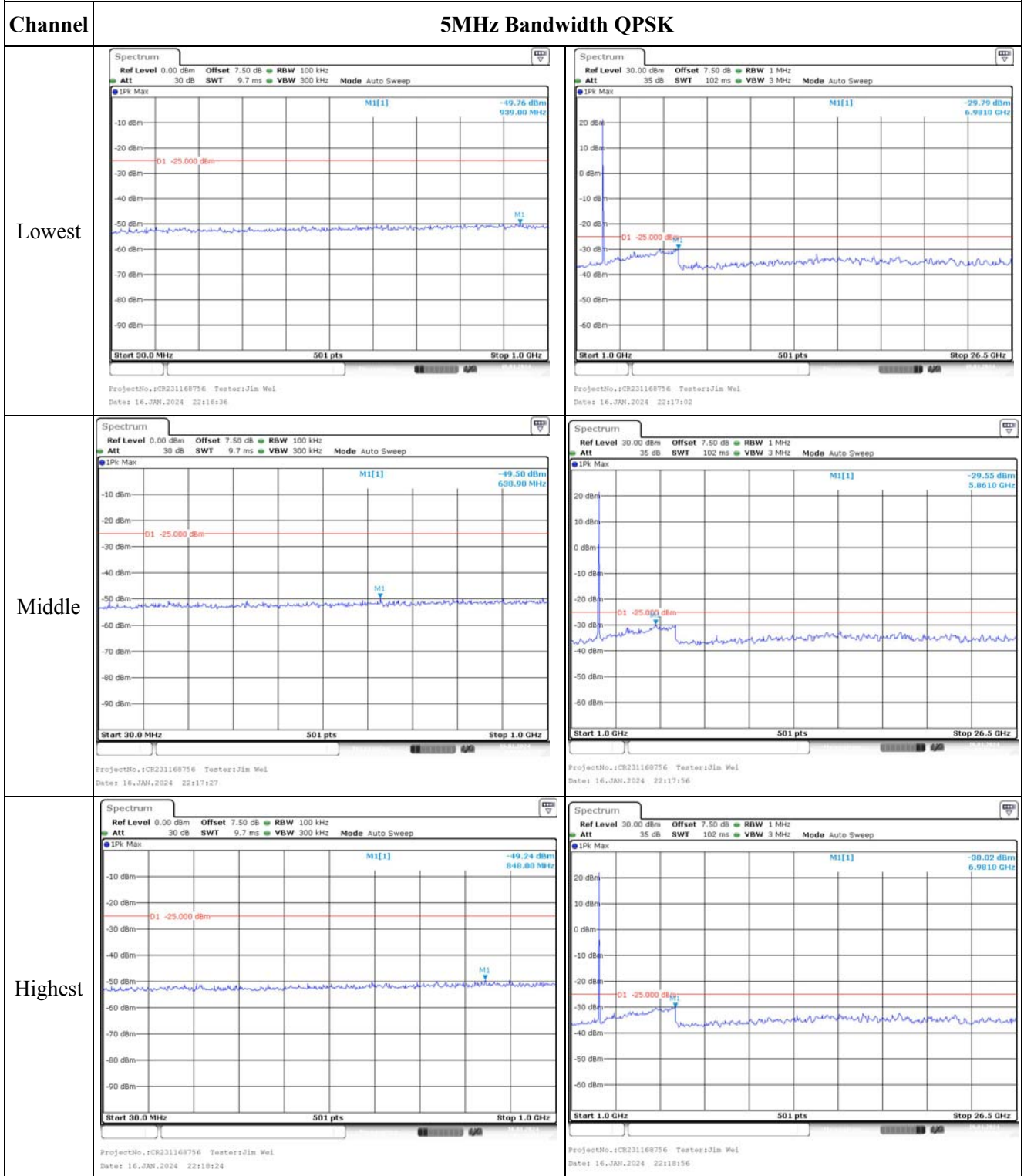


Highest

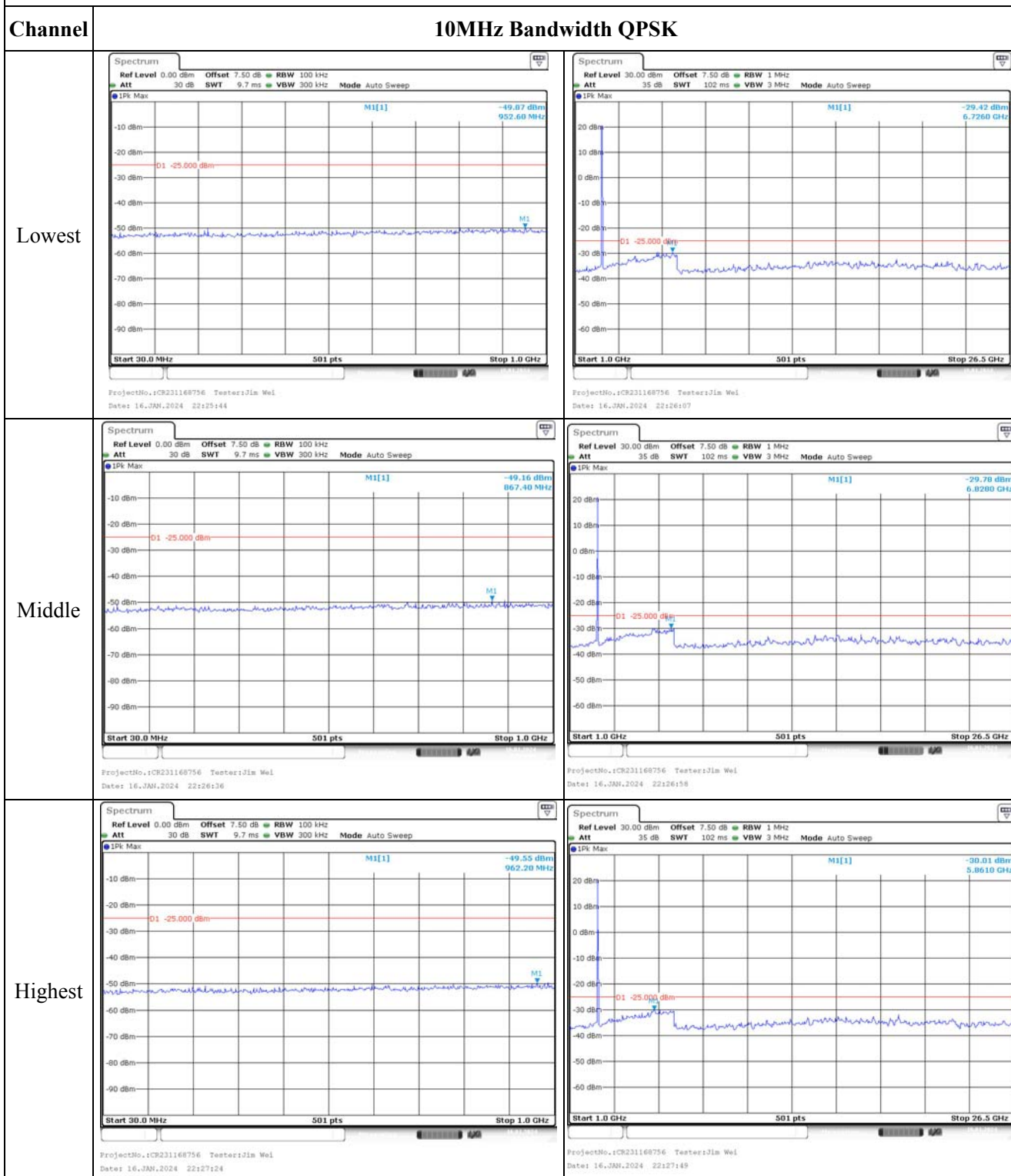


Full RB:

Spurious Emissions at Antenna Terminal



Spurious Emissions at Antenna Terminal

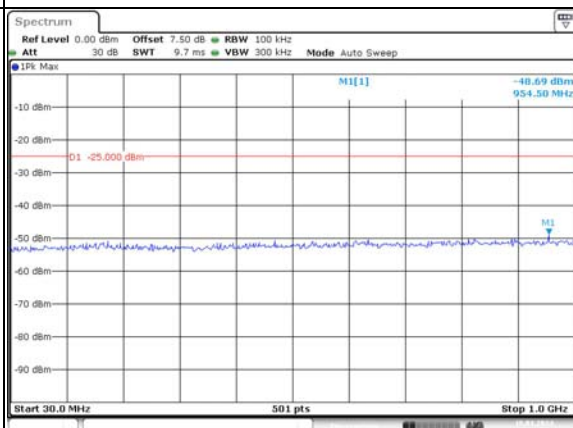


Spurious Emissions at Antenna Terminal

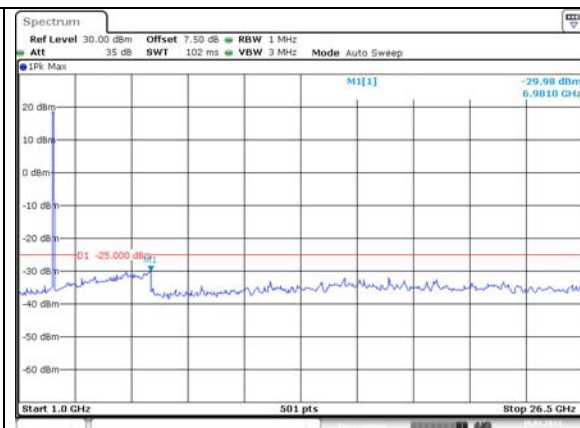
Channel

15MHz Bandwidth QPSK

Lowest

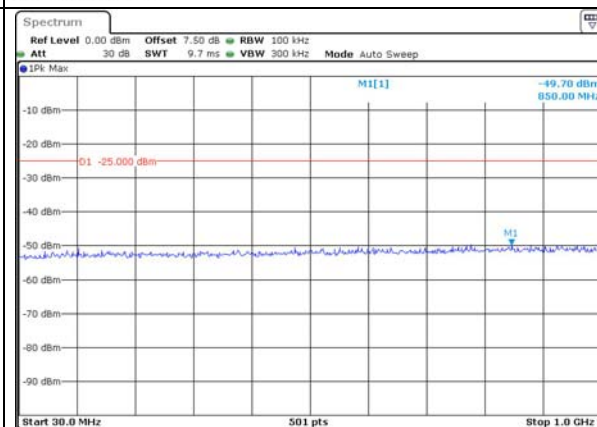


ProjectNo.:CR231168756 Tester:Jim Wei
Date: 16, JAN, 2024 22:46:21

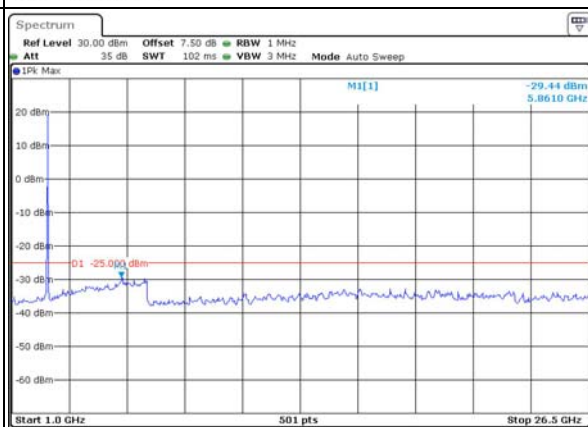


ProjectNo.:CR231168756 Tester:Jim Wei
Date: 16, JAN, 2024 22:46:43

Middle

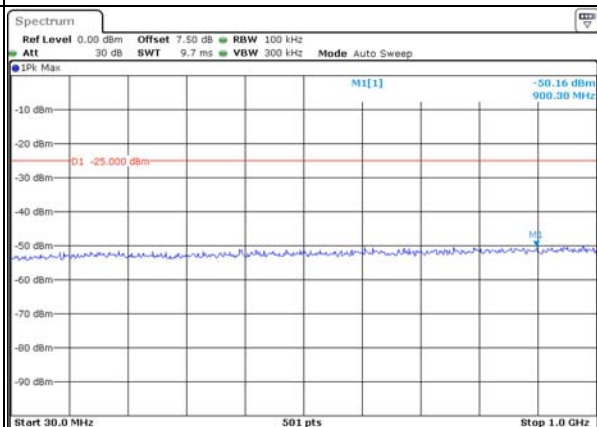


ProjectNo.:CR231168756 Tester:Jim Wei
Date: 16, JAN, 2024 22:47:15

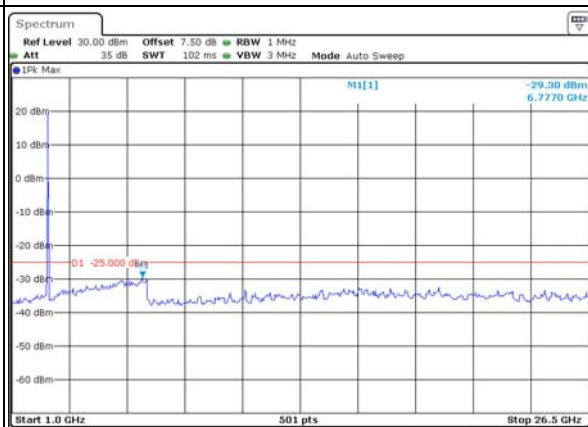


ProjectNo.:CR231168756 Tester:Jim Wei
Date: 16, JAN, 2024 22:47:38

Highest



ProjectNo.:CR231168756 Tester:Jim Wei
Date: 16, JAN, 2024 22:48:01



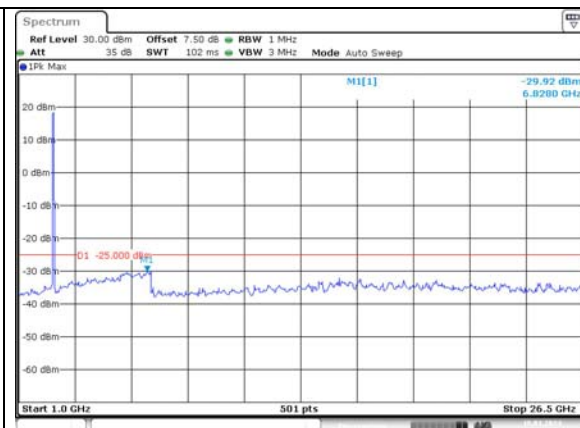
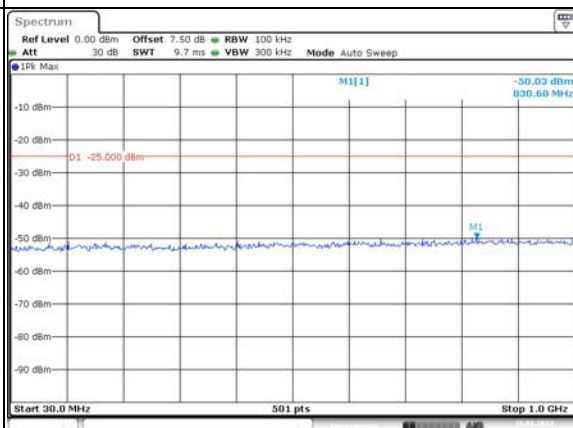
ProjectNo.:CR231168756 Tester:Jim Wei
Date: 16, JAN, 2024 22:48:26

Spurious Emissions at Antenna Terminal

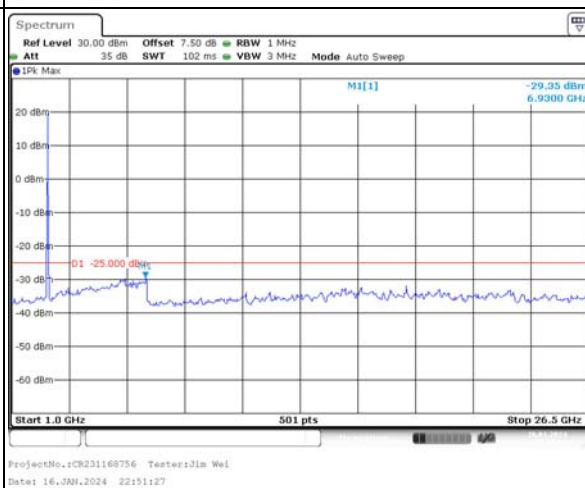
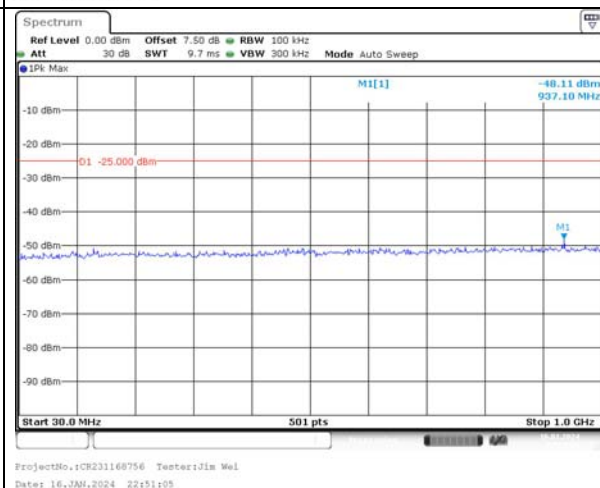
Channel

20MHz Bandwidth QPSK

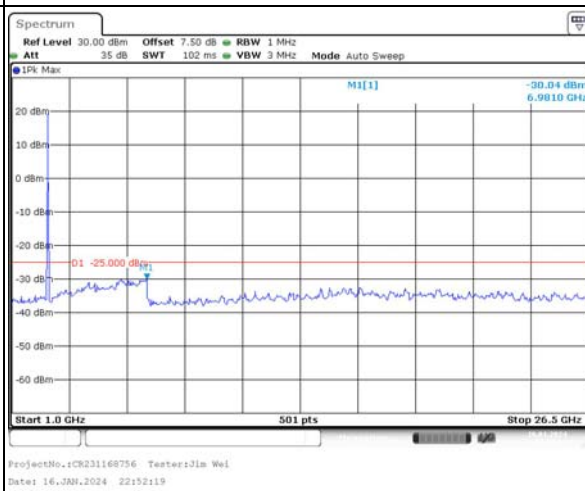
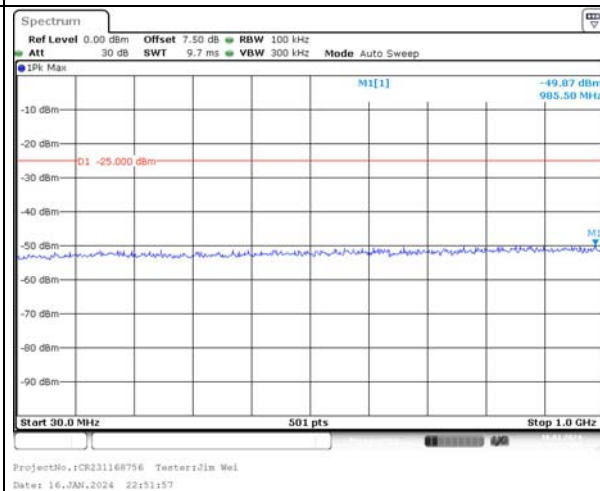
Lowest



Middle

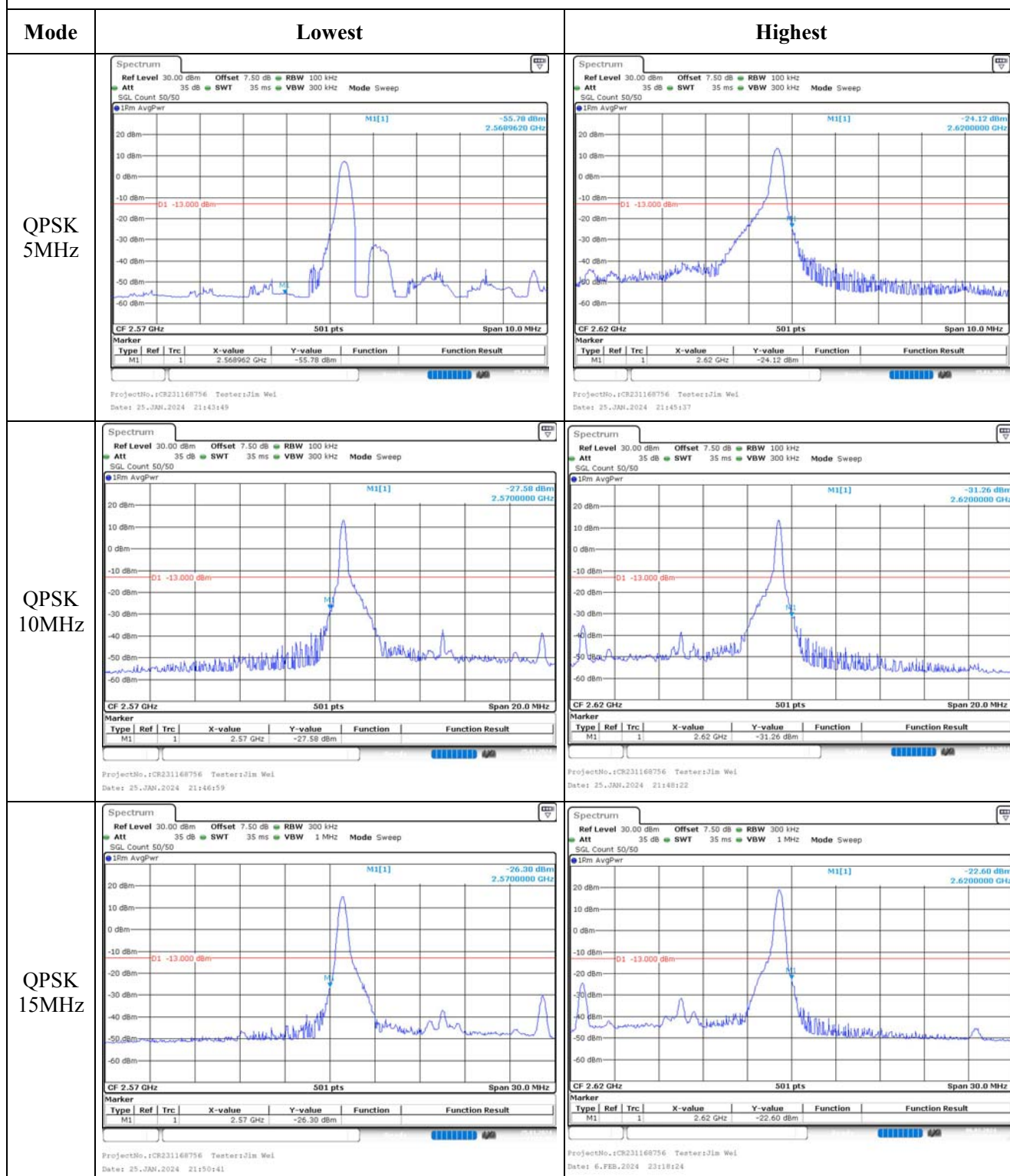


Highest

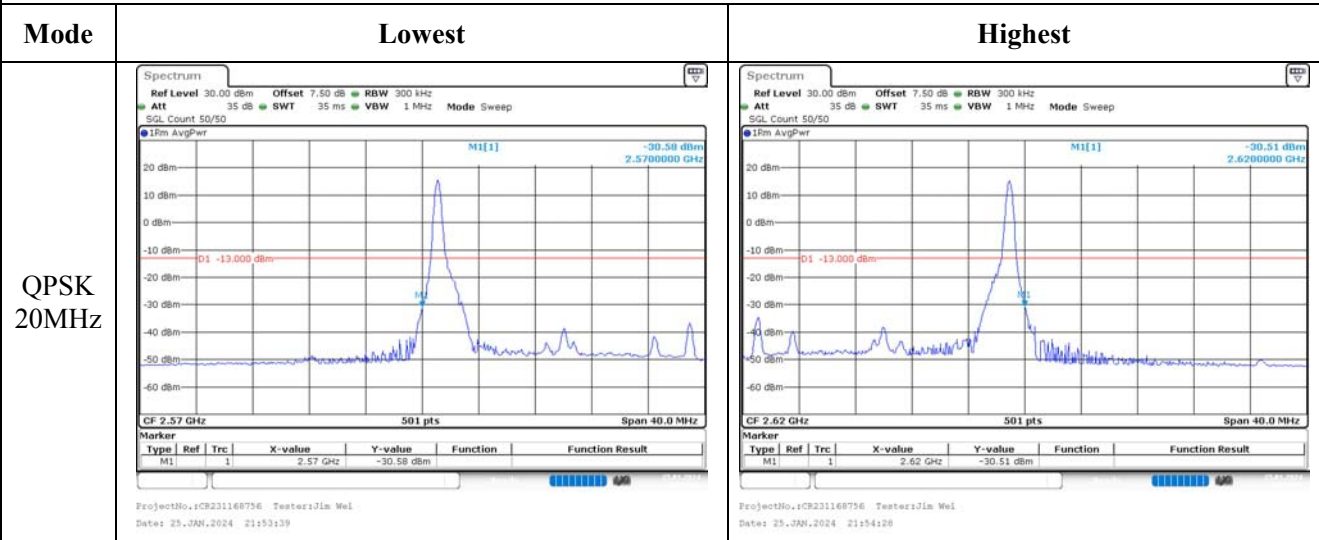


1RB:

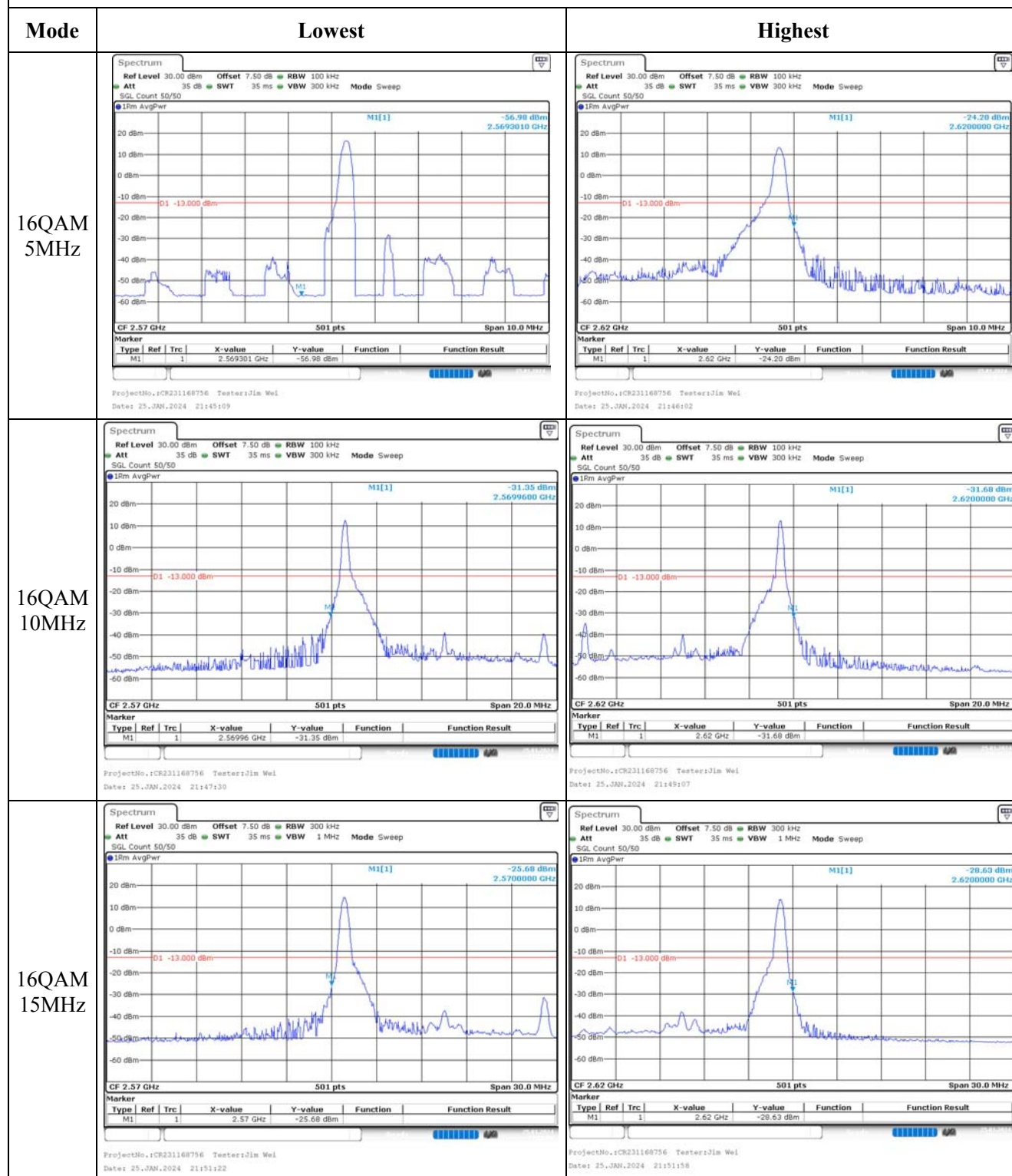
Out of band emission, Band Edge



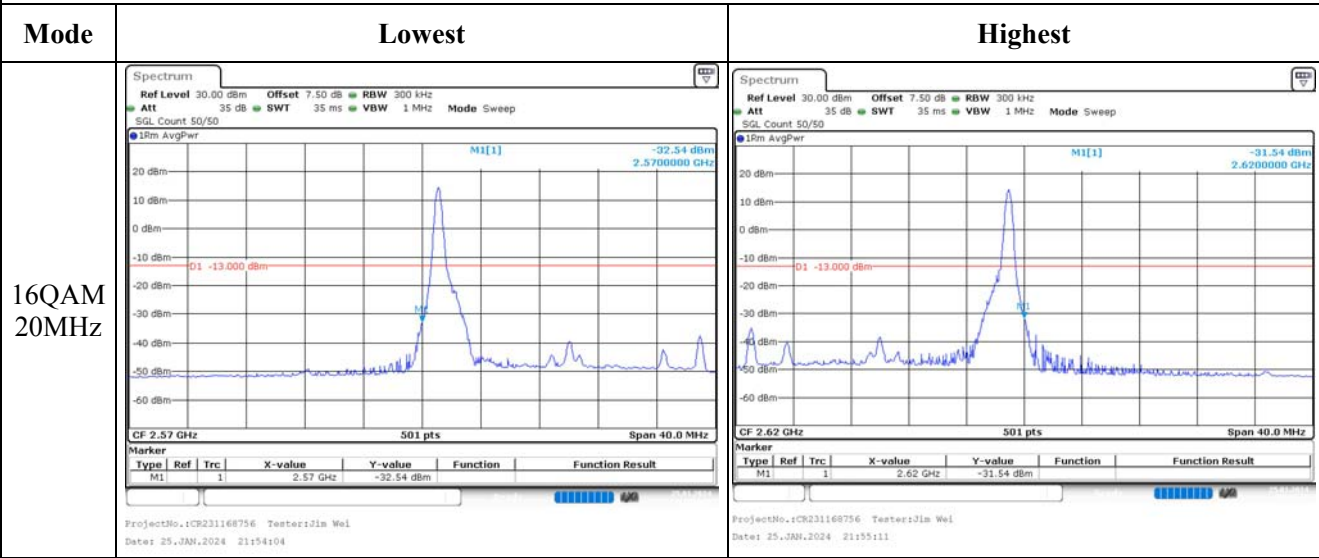
Out of band emission, Band Edge



Out of band emission, Band Edge

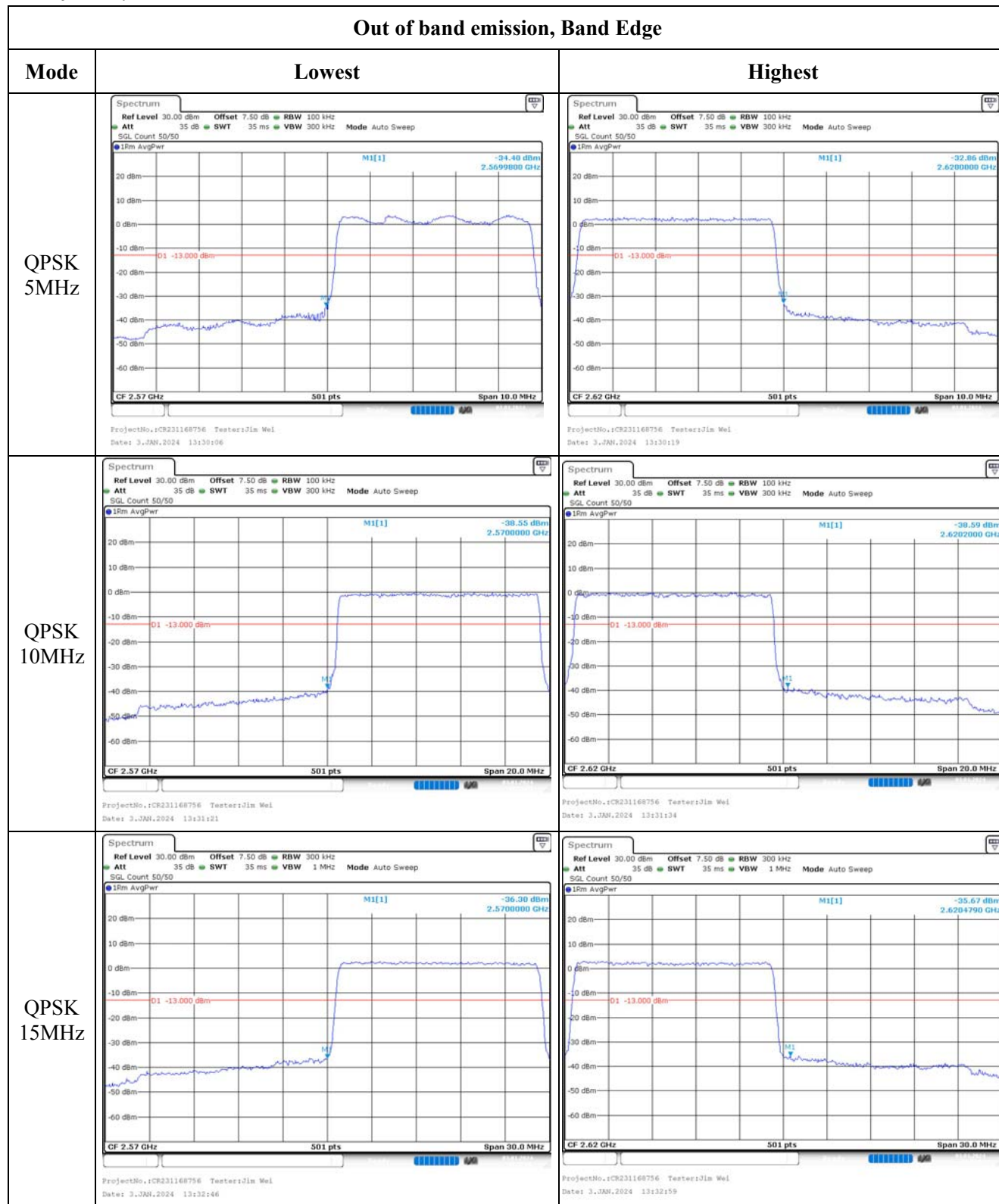


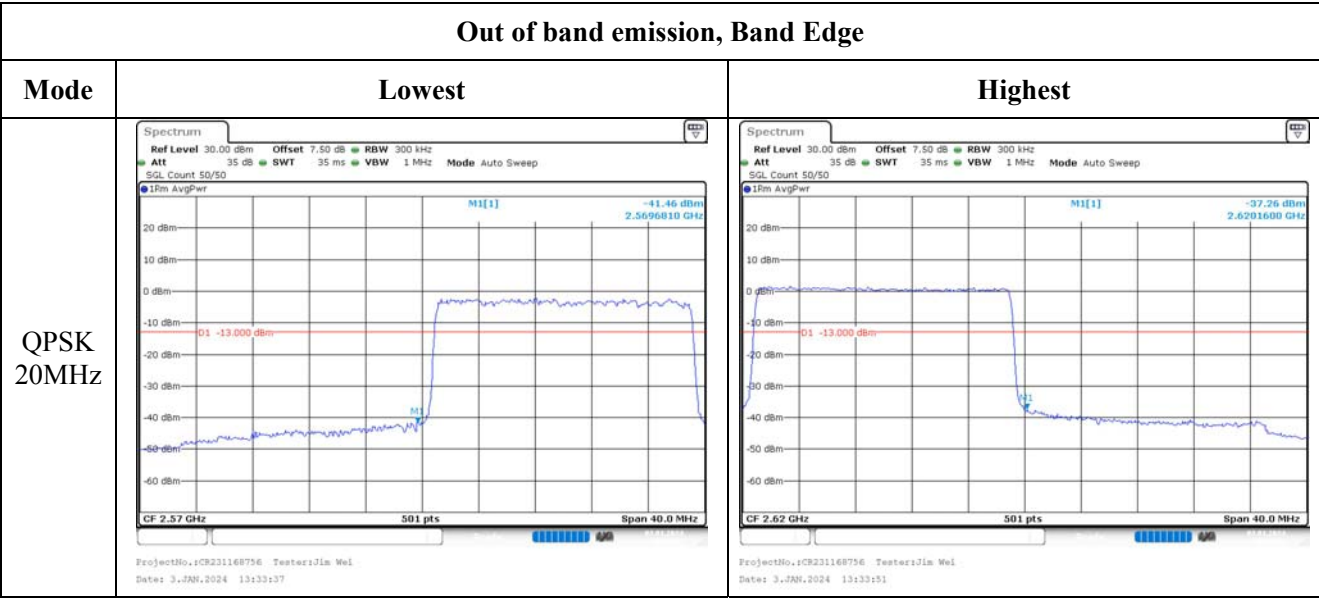
Out of band emission, Band Edge



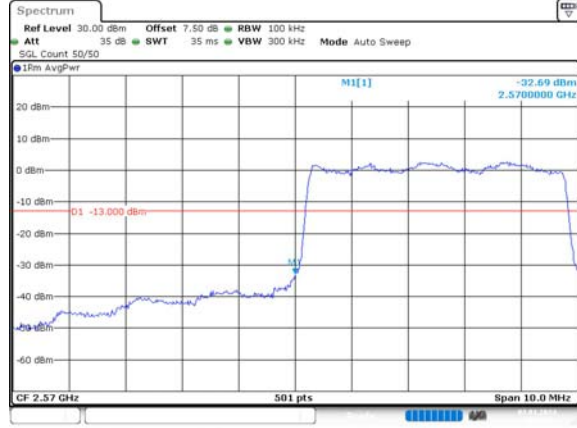
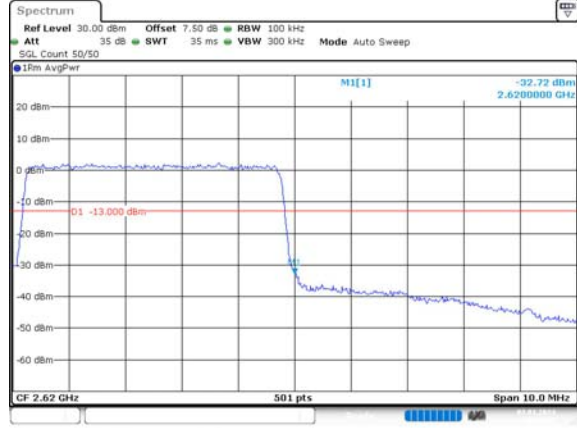
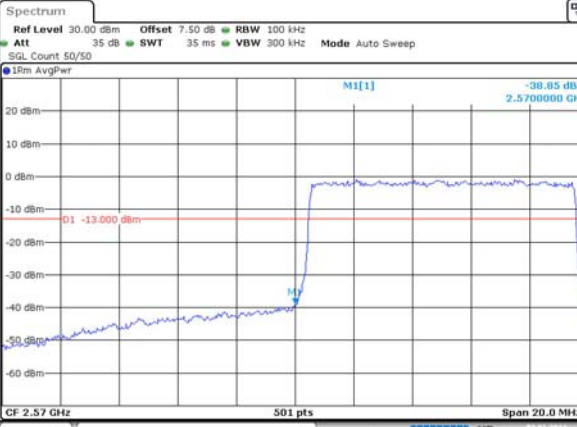
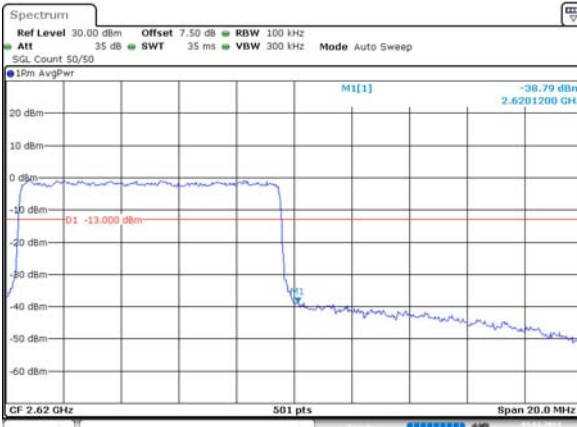
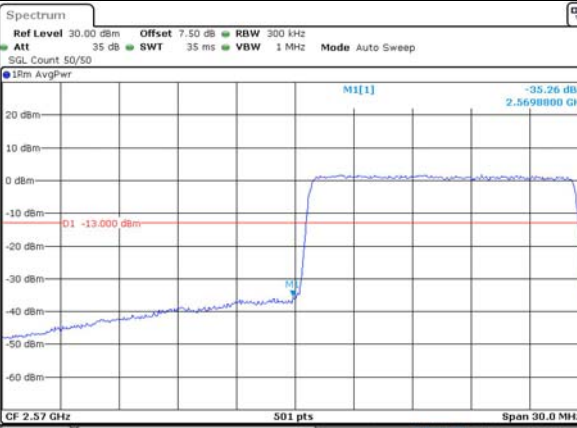
Full RB:

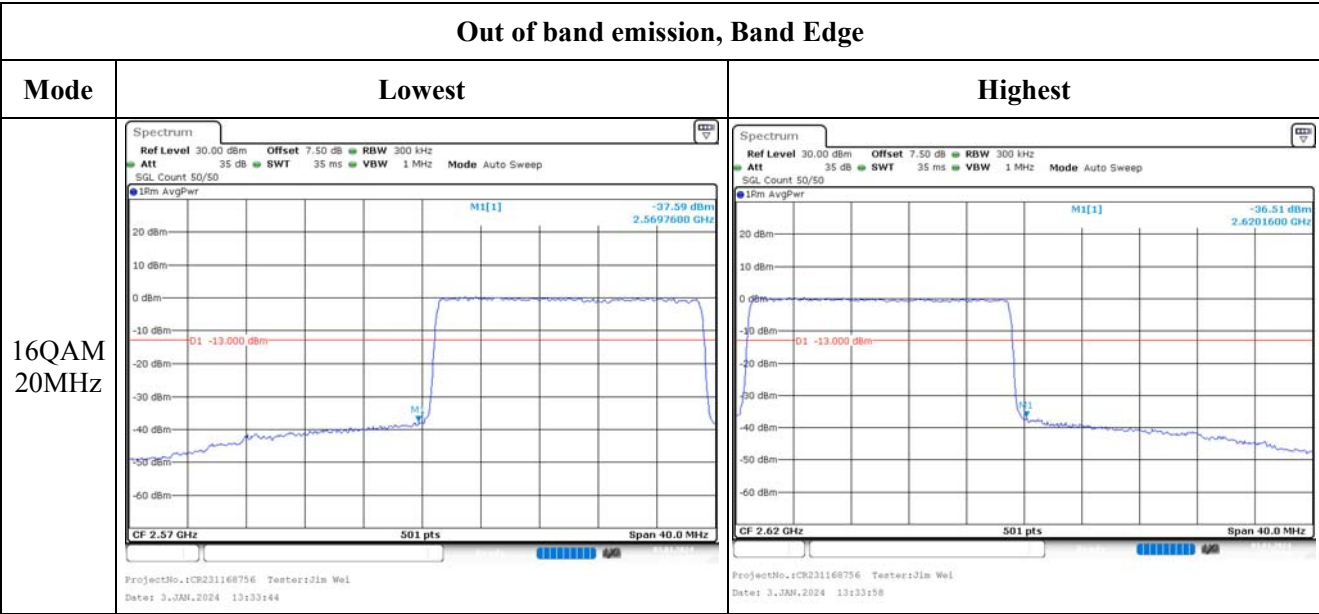
Out of band emission, Band Edge





Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 5MHz	 ProjectNo.:CR231168756 TestersJim Wei Date: 3.JAN.2024 13:30:12	 ProjectNo.:CR231168756 TestersJim Wei Date: 3.JAN.2024 13:30:25
16QAM 10MHz	 ProjectNo.:CR231168756 TestersJim Wei Date: 3.JAN.2024 13:31:27	 ProjectNo.:CR231168756 TestersJim Wei Date: 3.JAN.2024 13:31:41
16QAM 15MHz	 ProjectNo.:CR231168756 TestersJim Wei Date: 3.JAN.2024 13:32:52	 ProjectNo.:CR231168756 TestersJim Wei Date: 3.JAN.2024 13:33:06



4.15 Antenna Port Test Data and Results for LTE Band 41

Serial Number:	2DYK-1	Test Date:	2024/1/2-2024/3/7
Test Site:	RF	Test Mode:	Transmitting
Tester:	Jim Wei	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~26.5	Relative Humidity: (%)	40~55	ATM Pressure: (kPa)	101.1-101.9
----------------------	-----------	---------------------------	-------	------------------------	-------------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	FSV40	101474	2023/3/31	2024/3/30
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
YINSAIGE	Coaxial Cable	SS402	SJ0100001	Each time	N/A
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	143458	2023/3/31	2024/3/30
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2023/3/31	2024/3/30
UNI-T	Multimeter	UT39A+	C210582554	2023/9/29	2024/9/28
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)
5MHz	2537.5	2595	2652.5
10MHz	2540	2595	2650
15MHz	2542.5	2595	2647.5
20MHz	2545	2595	2645

Test Data:**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	23.17	22.46	22.48	25.21	33
	RB1#13	23.28	22.62	22.58		
	RB1#24	23.15	22.45	22.49		
	RB15#0	22.23	21.54	21.60		
	RB15#10	22.25	21.51	21.55		
	RB25#0	22.25	21.53	21.55		
5MHz 16QAM	RB1#0	22.19	21.70	21.47	24.25	33
	RB1#13	22.32	21.85	21.58		
	RB1#24	22.21	21.70	21.47		
	RB15#0	21.22	20.63	20.56		
	RB15#10	21.26	20.57	20.52		
	RB25#0	21.28	20.55	20.62		
10MHz QPSK	RB1#0	23.31	22.53	22.55	25.49	33
	RB1#25	23.56	22.84	22.82		
	RB1#49	23.23	22.56	22.54		
	RB25#0	22.27	21.57	21.60		
	RB25#25	22.33	21.56	21.57		
	RB50#0	22.25	21.59	21.60		
10MHz 16QAM	RB1#0	22.17	21.67	21.76	24.4	33
	RB1#25	22.47	21.93	21.96		
	RB1#49	22.09	21.69	21.73		
	RB25#0	21.30	20.64	20.61		
	RB25#25	21.33	20.62	20.58		
	RB50#0	21.27	20.62	20.59		
15MHz QPSK	RB1#0	23.19	22.48	22.50	25.23	33
	RB1#38	23.30	22.63	22.58		
	RB1#74	23.00	22.48	22.44		
	RB36#0	22.30	21.56	21.60		
	RB36#39	22.25	21.59	21.58		
	RB75#0	22.29	21.57	21.61		
15MHz 16QAM	RB1#0	22.11	21.73	21.67	24.16	33
	RB1#38	22.23	21.80	21.75		
	RB1#74	21.96	21.68	21.59		
	RB36#0	21.19	20.59	20.57		
	RB36#39	21.26	20.64	20.51		
	RB75#0	21.27	20.57	20.55		
20MHz QPSK	RB1#0	23.00	22.38	22.29	25.39	33
	RB1#50	23.46	22.87	22.83		
	RB1#99	22.59	22.38	22.31		
	RB50#0	22.21	21.60	21.56		

	RB50#50	22.13	21.54	21.48		
	RB100#0	22.17	21.58	21.54		
20MHz 16QAM	RB1#0	21.97	21.60	21.37	24.36	33
	RB1#50	22.43	22.10	21.87		
	RB1#99	21.57	21.58	21.34		
	RB50#0	21.24	20.61	20.56		
	RB50#50	21.20	20.55	20.47		
	RB100#0	21.18	20.57	20.53		

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	8.58	9.07	8.96	13
	RB100#0	8.75	9.57	9.44	13
20MHz 16QAM	RB1#0	9.88	9.44	9.68	13
	RB100#0	9.53	10.46	10.23	13
				Result:	Pass

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	4.511	4.491	4.880	5.080	5.000
5MHz 16QAM	4.491	4.511	4.511	4.980	5.060	5.200
10MHz QPSK	8.942	8.942	8.981	9.640	9.800	10.000
10MHz 16QAM	8.942	8.942	8.942	9.560	9.880	9.680
15MHz QPSK	13.473	13.413	13.593	14.820	15.180	15.180
15MHz 16QAM	13.533	13.533	13.533	15.060	15.540	15.900
20MHz QPSK	17.964	17.884	18.044	19.280	19.520	19.440
20MHz 16QAM	17.964	17.884	17.884	19.440	19.360	19.360

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

Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
----------------	---

Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
----------------	--

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	2536.043	2535.00	2653.998	2655
	-20	3.8	2536.037	2535.00	2654.016	2655
	-10	3.8	2536.040	2535.00	2654.016	2655
	0	3.8	2536.043	2535.00	2654.019	2655
	10	3.8	2536.052	2535.00	2653.995	2655
	20	3.8	2536.058	2535.00	2654.022	2655
	30	3.8	2536.079	2535.00	2654.034	2655
	40	3.8	2536.085	2535.00	2654.037	2655
	50	3.8	2536.085	2535.00	2654.040	2655
Frequency Stability vs. Voltage	20	3.23	2536.076	2535.00	2654.028	2655
	20	4.18	2536.079	2535.00	2654.040	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	3.8	2536.031	2535.00	2653.936	2655
	-20	3.8	2536.034	2535.00	2653.921	2655
	-10	3.8	2536.049	2535.00	2653.936	2655
	0	3.8	2536.034	2535.00	2653.915	2655
	10	3.8	2536.037	2535.00	2653.921	2655
	20	3.8	2536.058	2535.00	2653.942	2655
	30	3.8	2536.061	2535.00	2653.948	2655
	40	3.8	2536.070	2535.00	2653.969	2655
	50	3.8	2536.079	2535.00	2653.960	2655
Frequency Stability vs. Voltage	20	3.23	2536.082	2535.00	2653.960	2655
	20	4.18	2536.061	2535.00	2653.945	2655
					Result:	Pass

Test Plots(Note: The 7.5 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer.):

Occupied Bandwidth

