

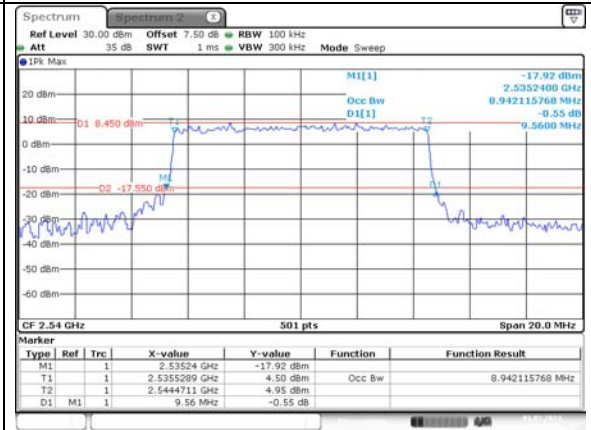
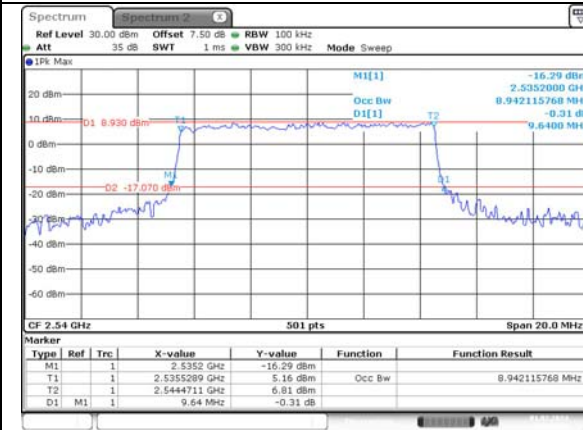
Occupied Bandwidth

Channel

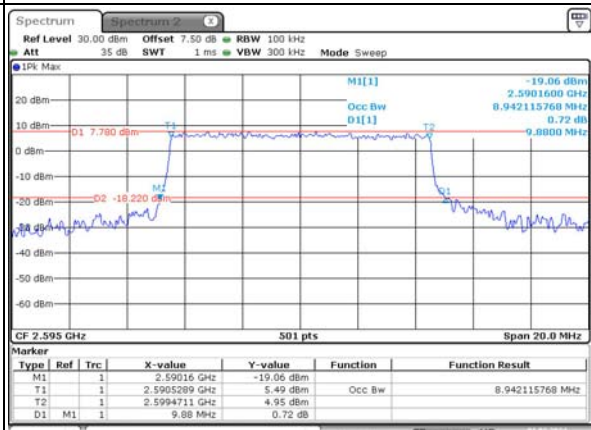
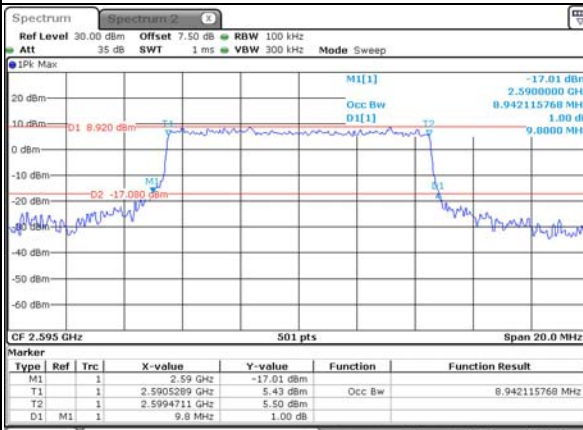
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

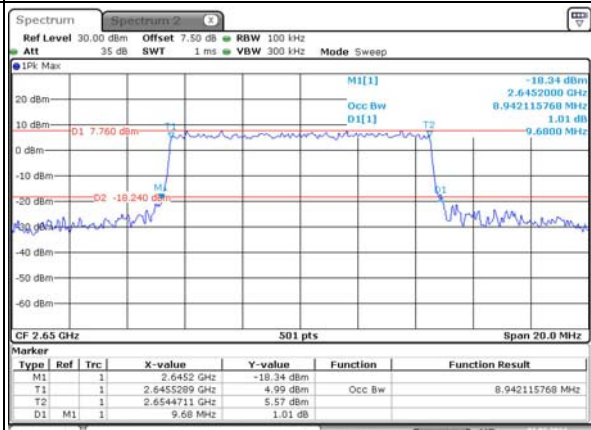
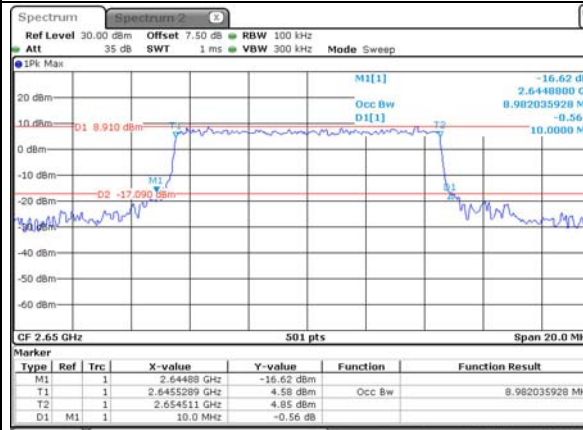
Lowest



Middle



Highest



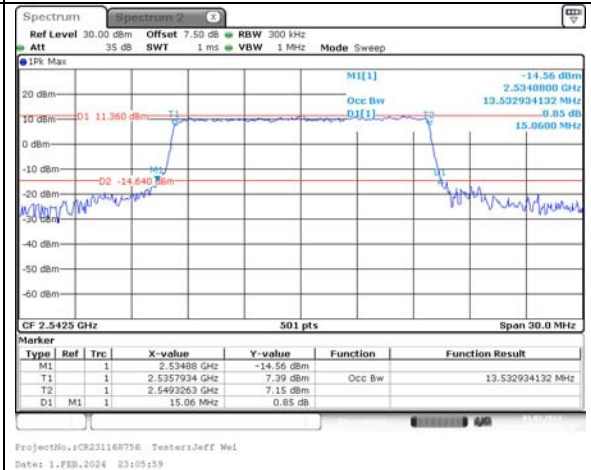
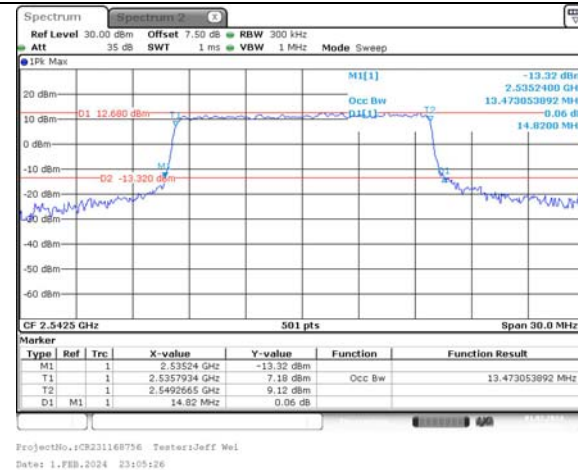
Occupied Bandwidth

Channel

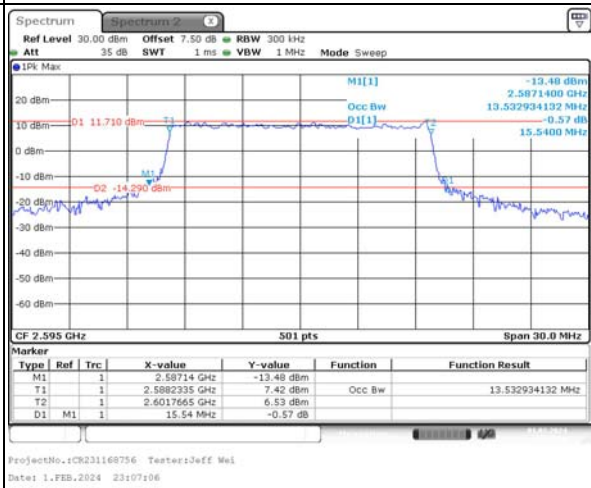
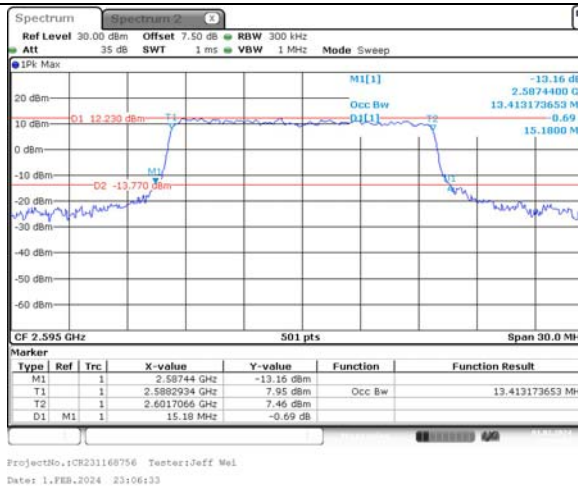
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

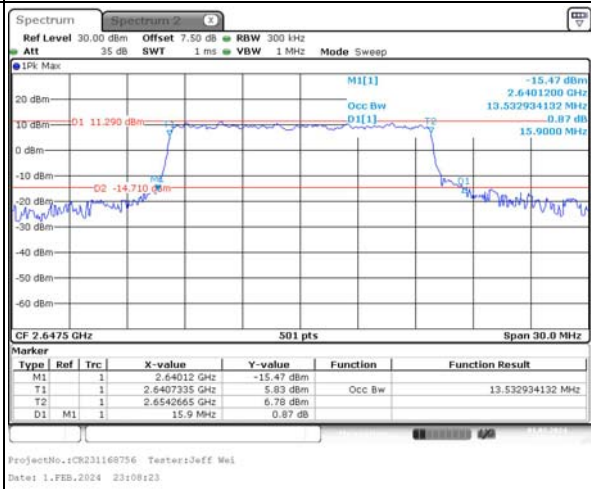
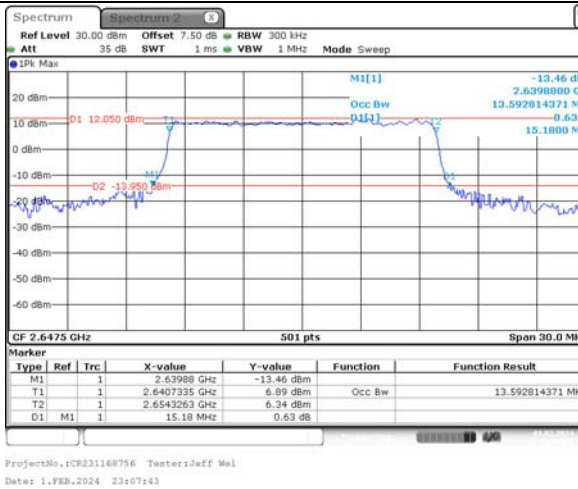
Lowest



Middle



Highest



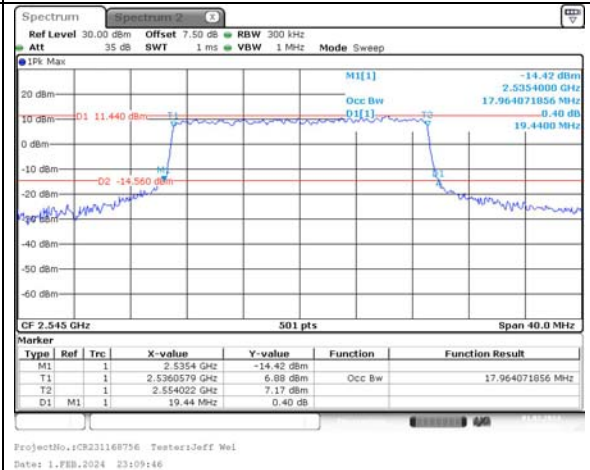
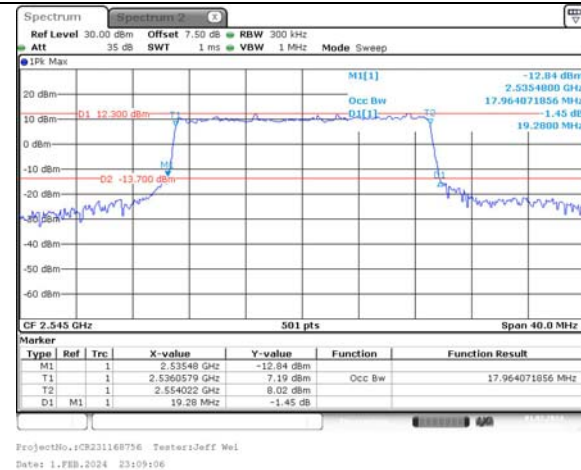
Occupied Bandwidth

Channel

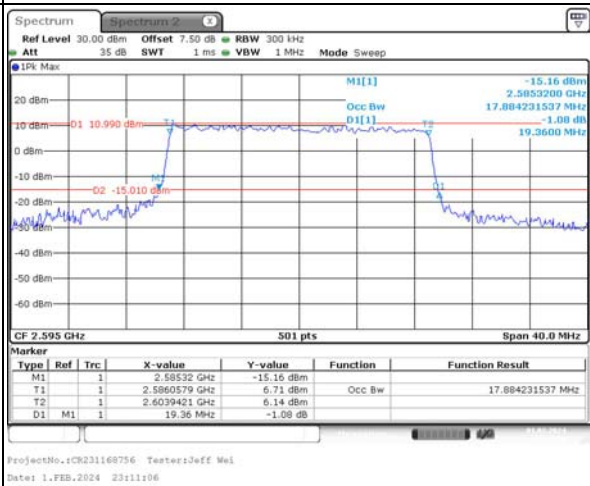
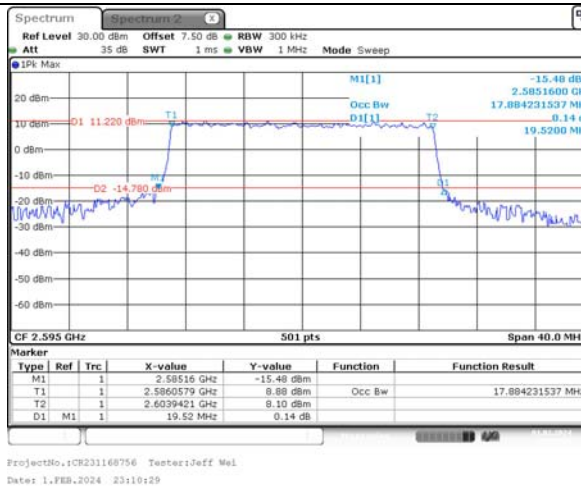
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

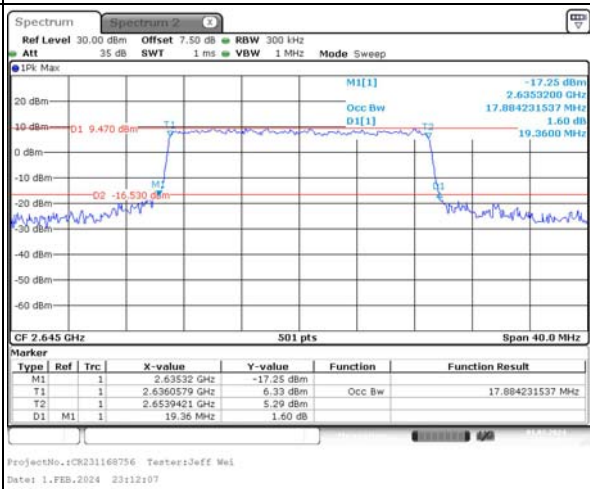
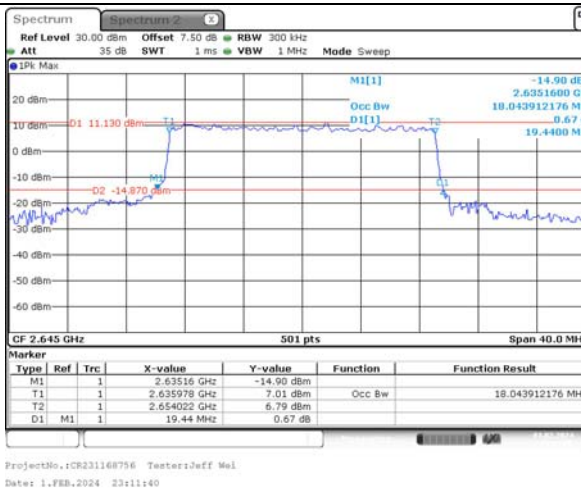
Lowest



Middle

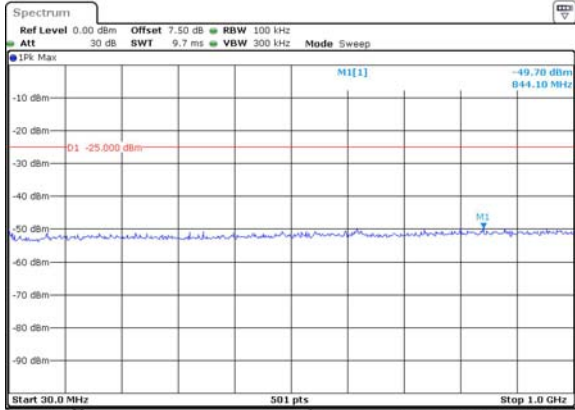
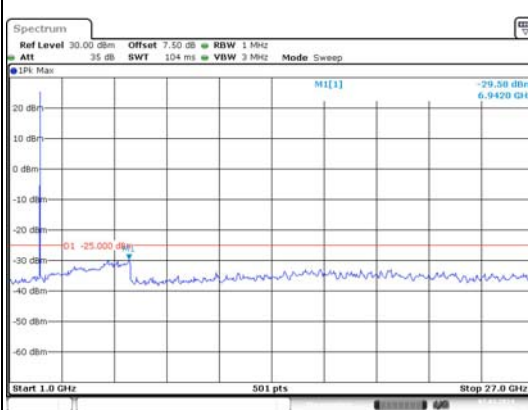
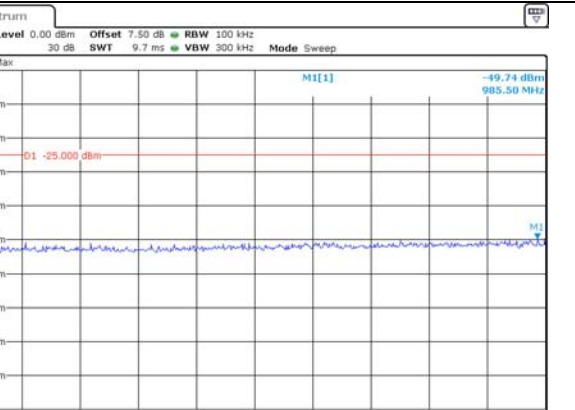
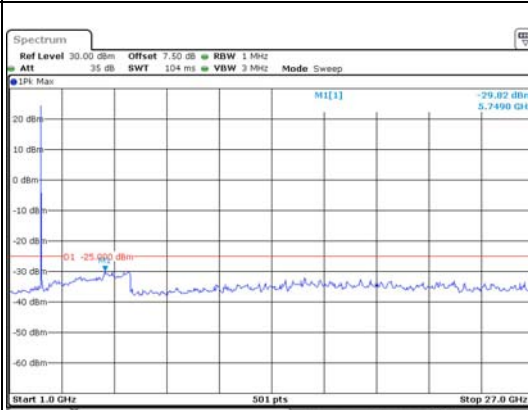
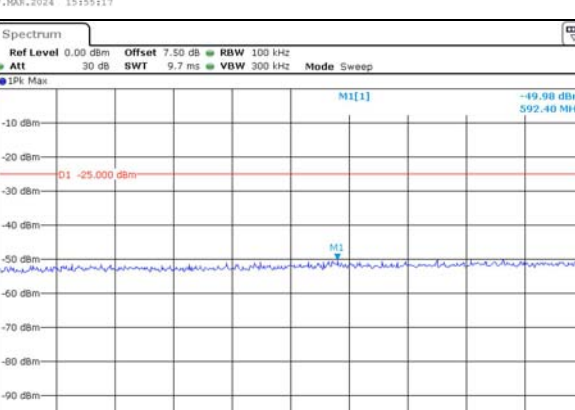
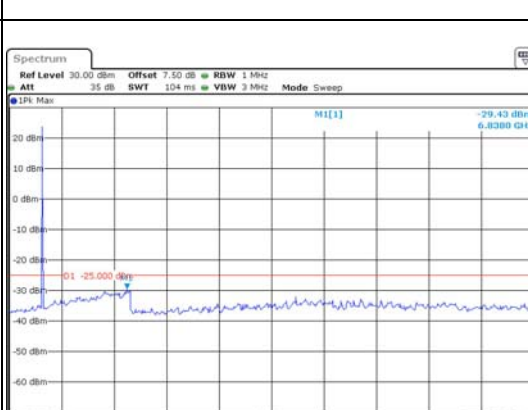


Highest

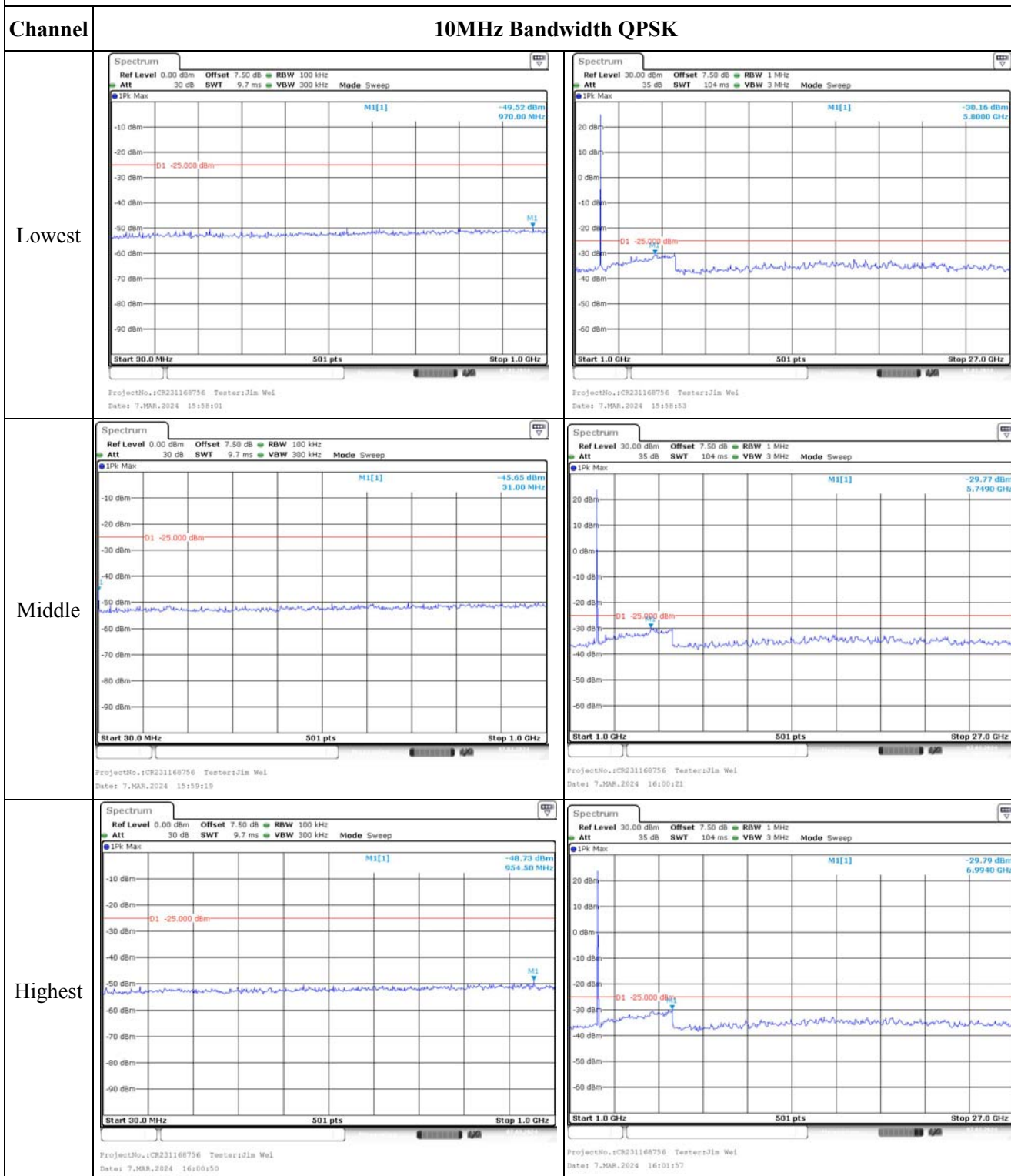


RB1#0:

Spurious Emissions at Antenna Terminal

Channel	5MHz Bandwidth QPSK	
Lowest	 ProjectNo.:CR231168756 Testers:Jim Wei Date: 7.MAR.2024 15:54:09	 ProjectNo.:CR231168756 Testers:Jim Wei Date: 7.MAR.2024 15:54:08
Middle	 ProjectNo.:CR231168756 Testers:Jim Wei Date: 7.MAR.2024 15:55:17	 ProjectNo.:CR231168756 Testers:Jim Wei Date: 7.MAR.2024 15:55:17
Highest	 ProjectNo.:CR231168756 Testers:Jim Wei Date: 7.MAR.2024 15:56:45	 ProjectNo.:CR231168756 Testers:Jim Wei Date: 7.MAR.2024 15:57:33

Spurious Emissions at Antenna Terminal

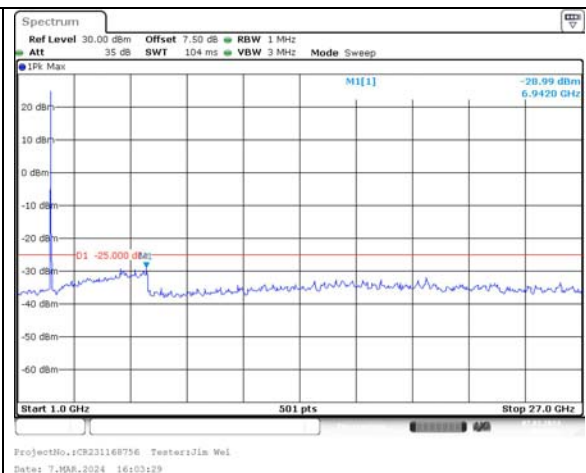
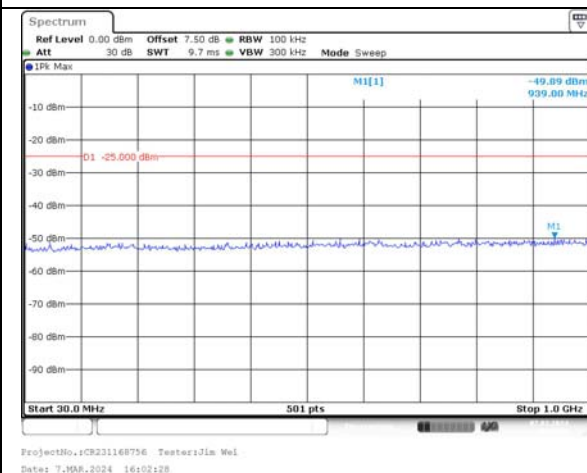


Spurious Emissions at Antenna Terminal

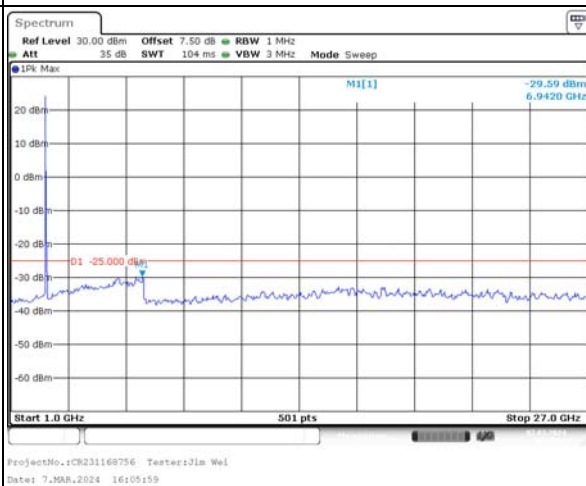
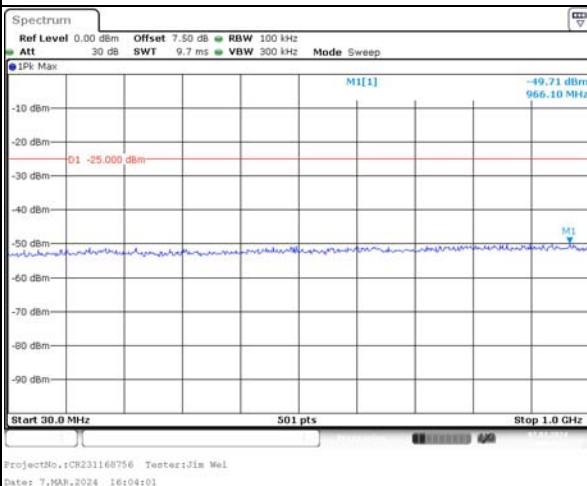
Channel

15MHz Bandwidth QPSK

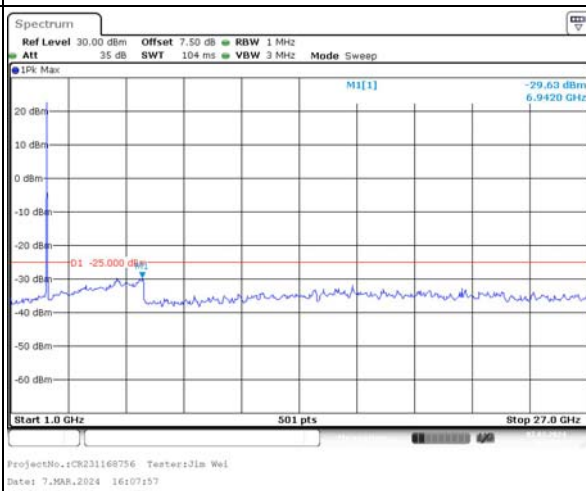
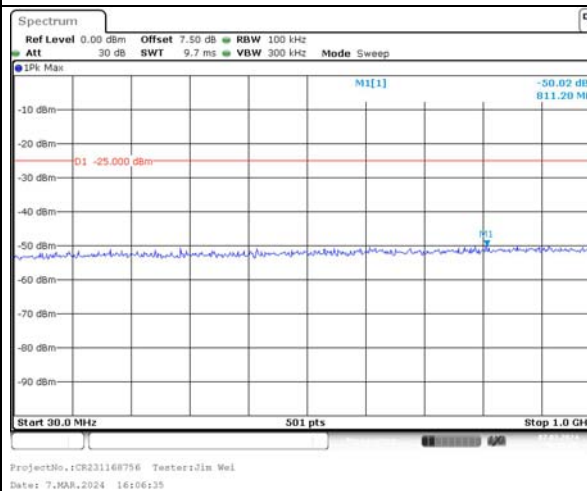
Lowest



Middle



Highest

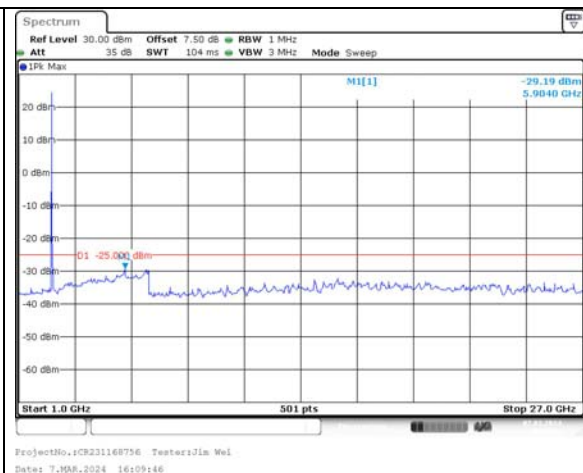
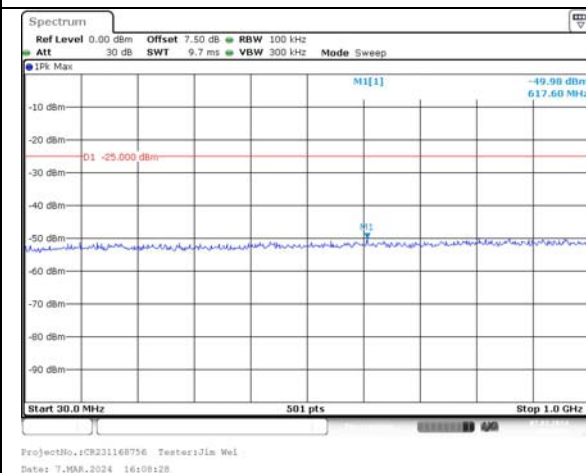


Spurious Emissions at Antenna Terminal

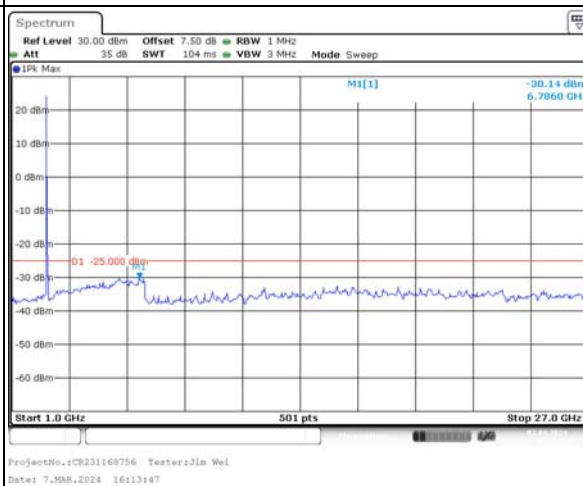
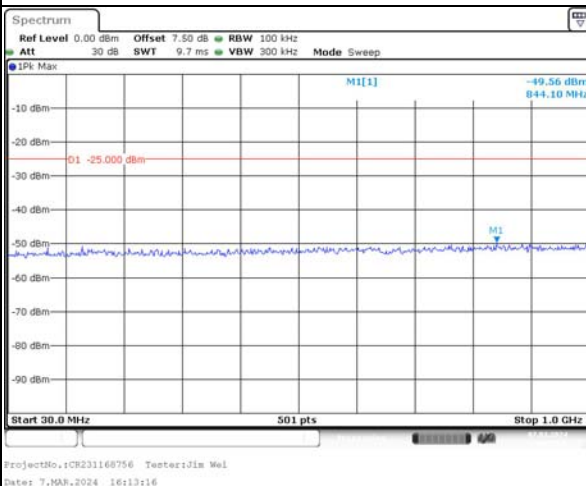
Channel

20MHz Bandwidth QPSK

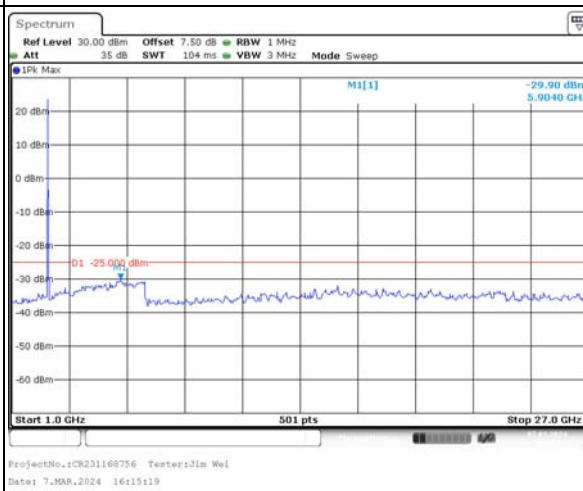
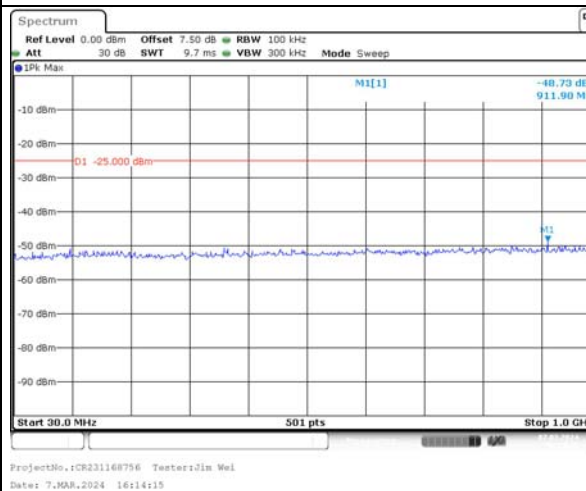
Lowest



Middle

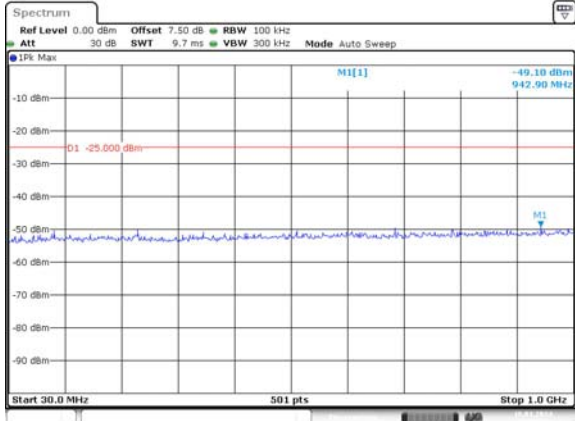
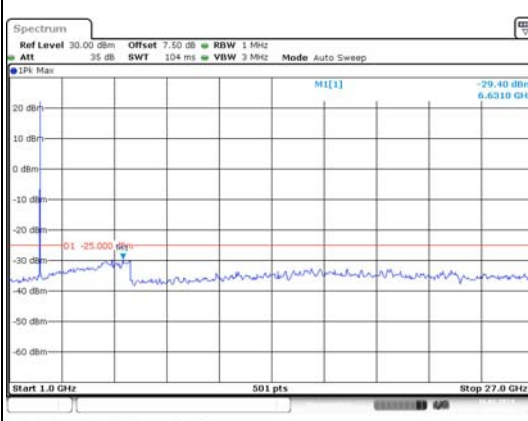
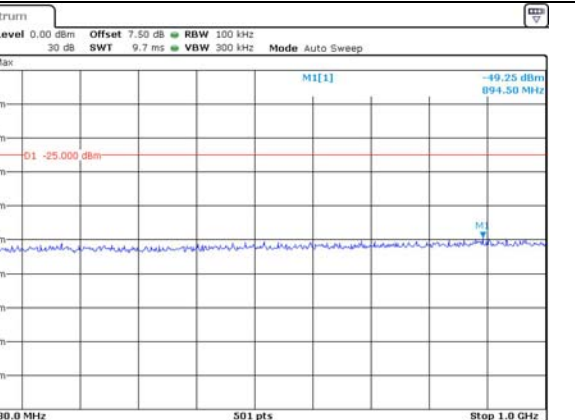
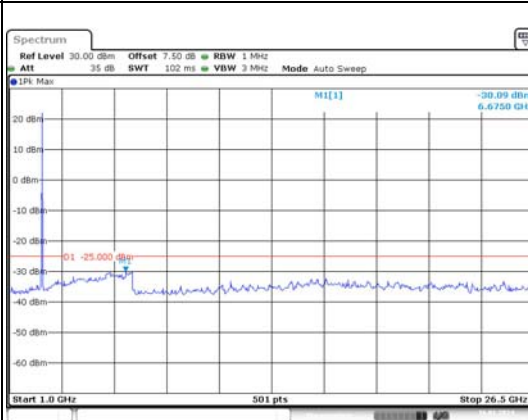
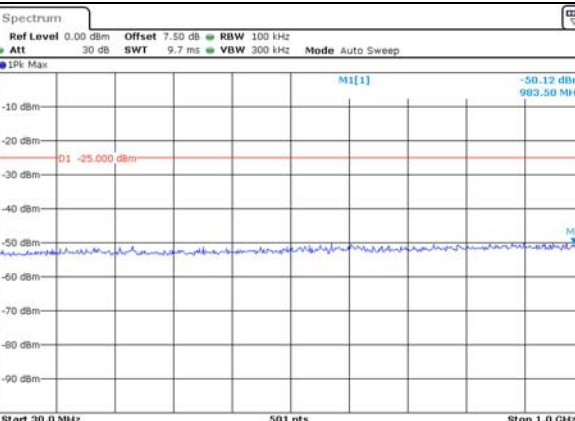
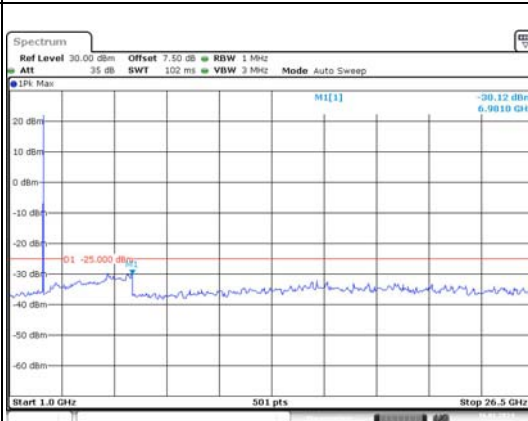


Highest



Full RB:

Spurious Emissions at Antenna Terminal

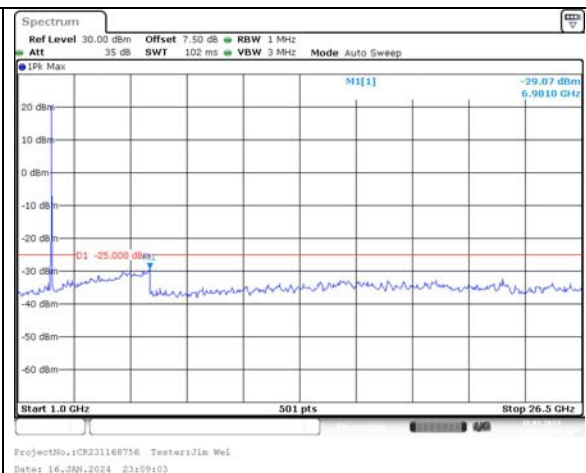
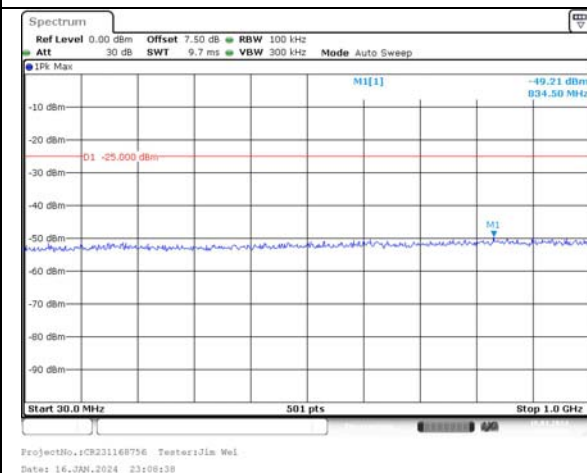
Channel	5MHz Bandwidth QPSK	
Lowest	 ProjectNo.:CR231168756 TestersJim Wei Date: 16.JAN.2024 23:05:29	 ProjectNo.:CR231168756 TestersJim Wei Date: 16.JAN.2024 23:06:28
Middle	 ProjectNo.:CR231168756 TestersJim Wei Date: 16.JAN.2024 23:06:53	 ProjectNo.:CR231168756 TestersJim Wei Date: 16.JAN.2024 23:07:19
Highest	 ProjectNo.:CR231168756 TestersJim Wei Date: 16.JAN.2024 23:07:47	 ProjectNo.:CR231168756 TestersJim Wei Date: 16.JAN.2024 23:08:07

Spurious Emissions at Antenna Terminal

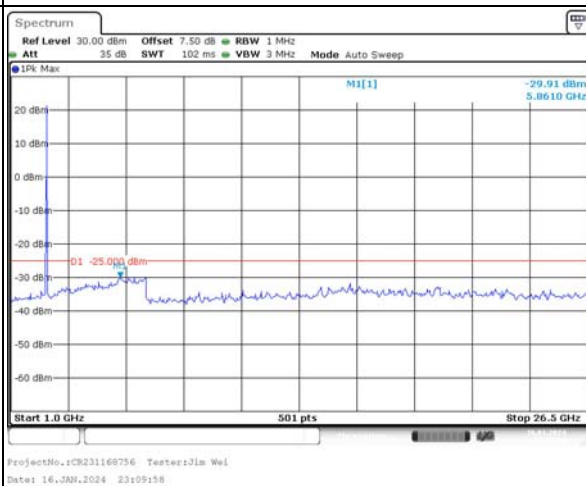
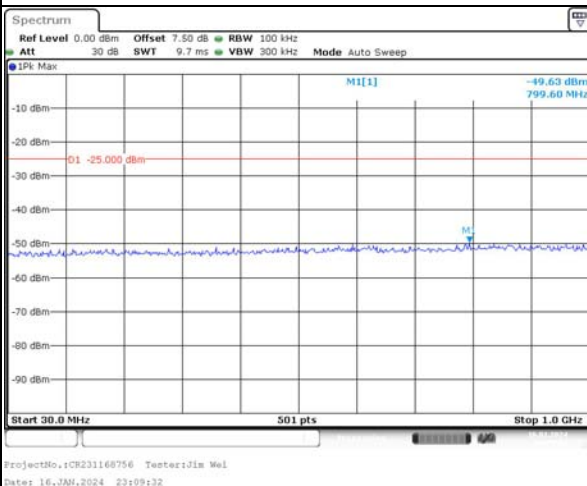
Channel

10MHz Bandwidth QPSK

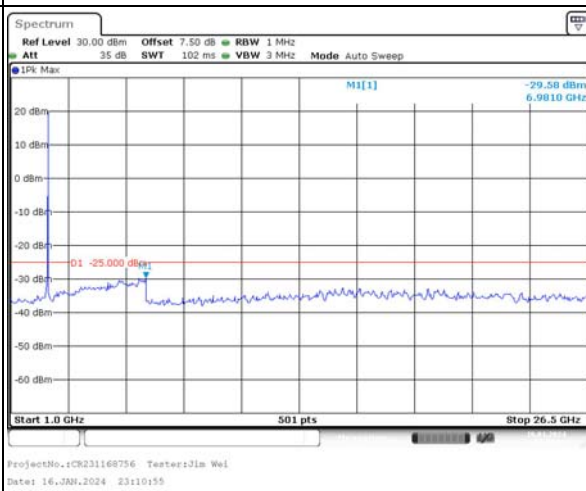
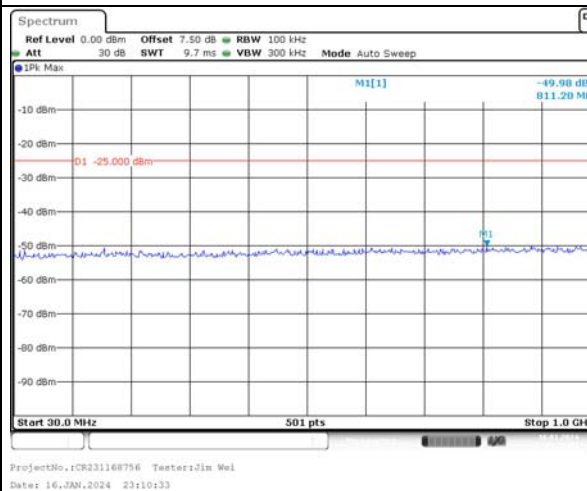
Lowest



Middle



Highest

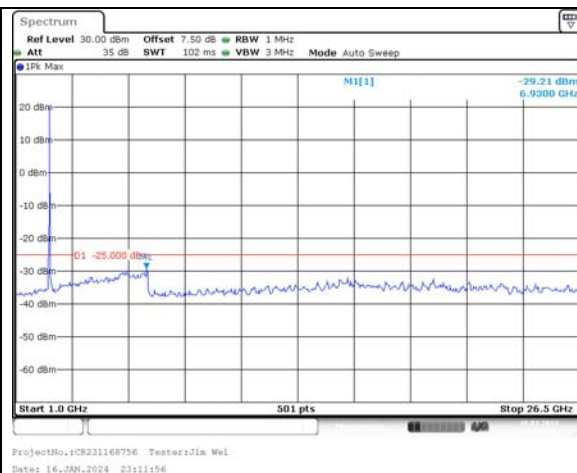
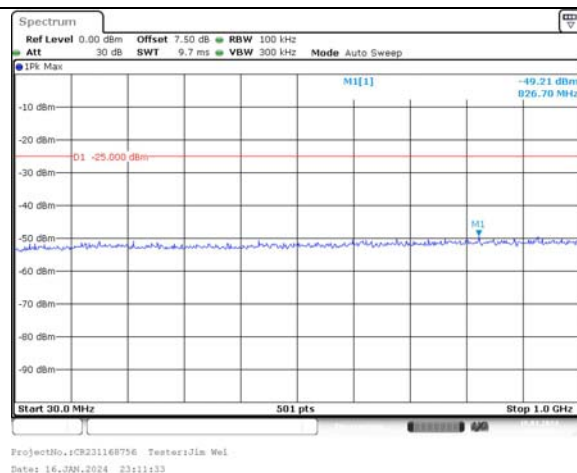


Spurious Emissions at Antenna Terminal

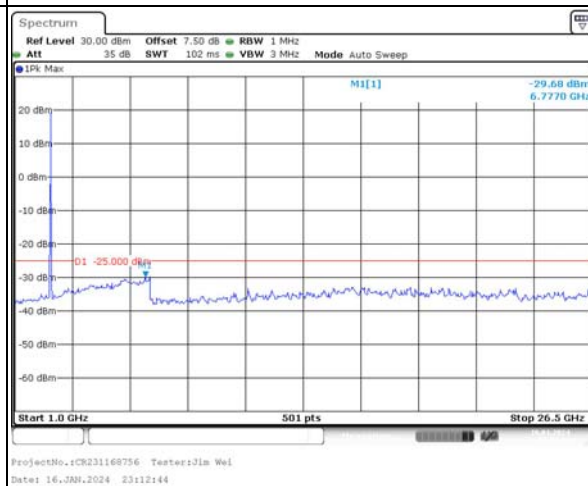
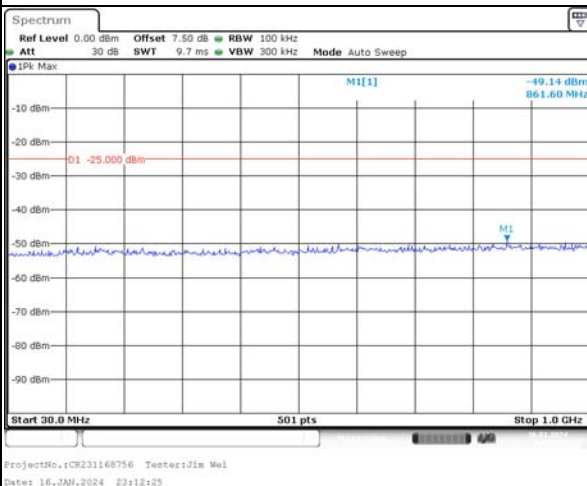
Channel

15MHz Bandwidth QPSK

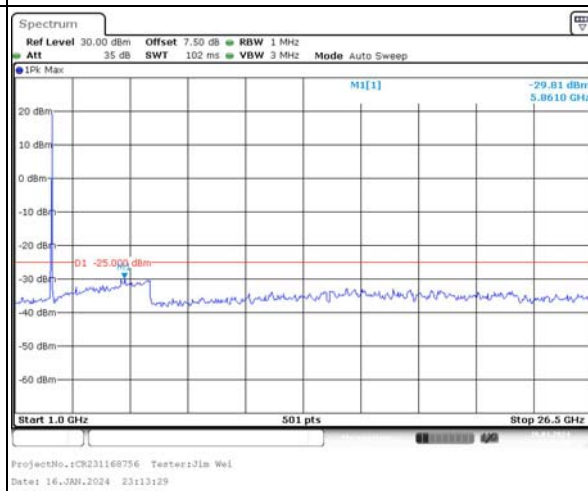
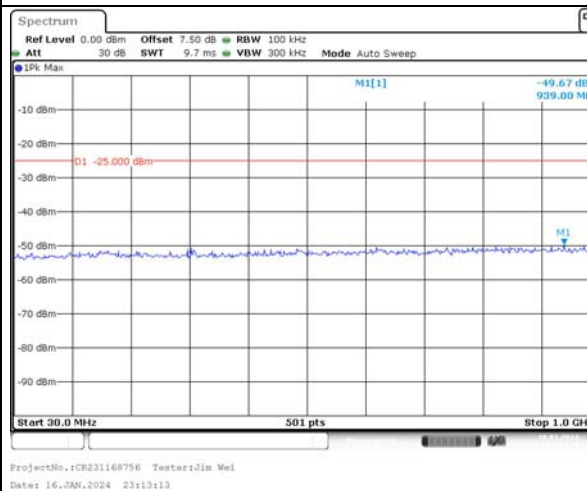
Lowest



Middle



Highest

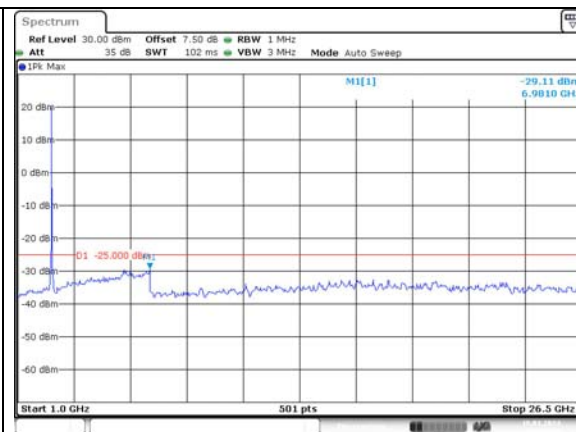
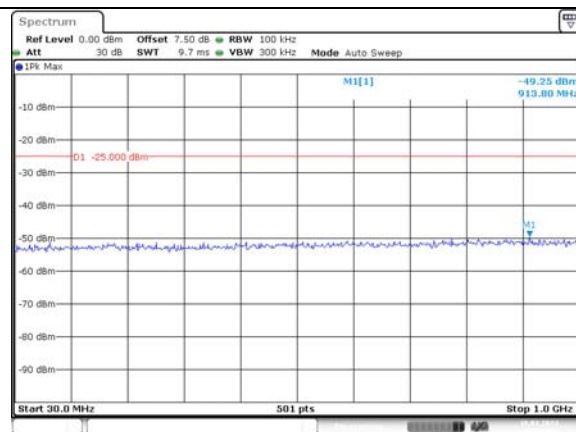


Spurious Emissions at Antenna Terminal

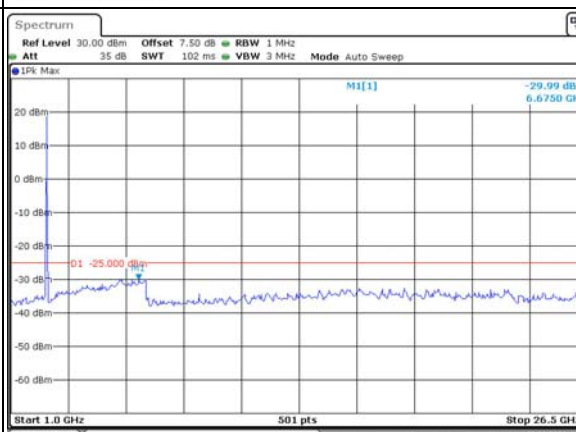
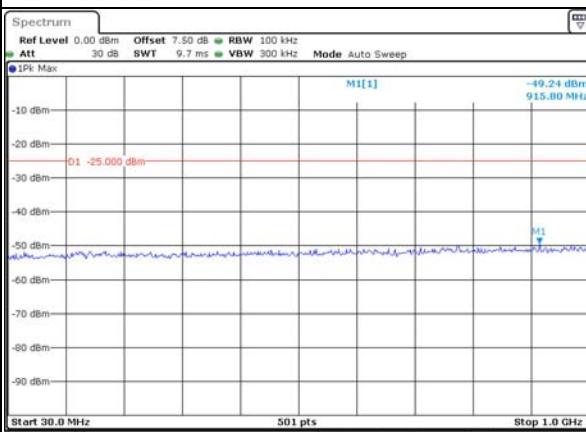
Channel

20MHz Bandwidth QPSK

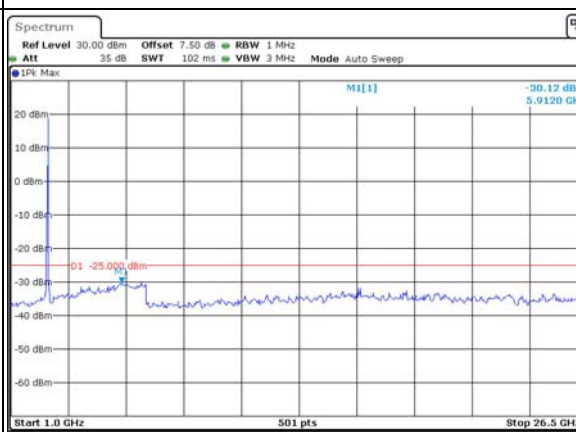
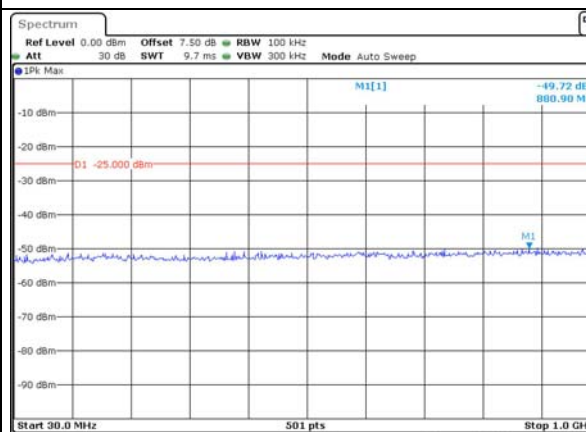
Lowest



Middle

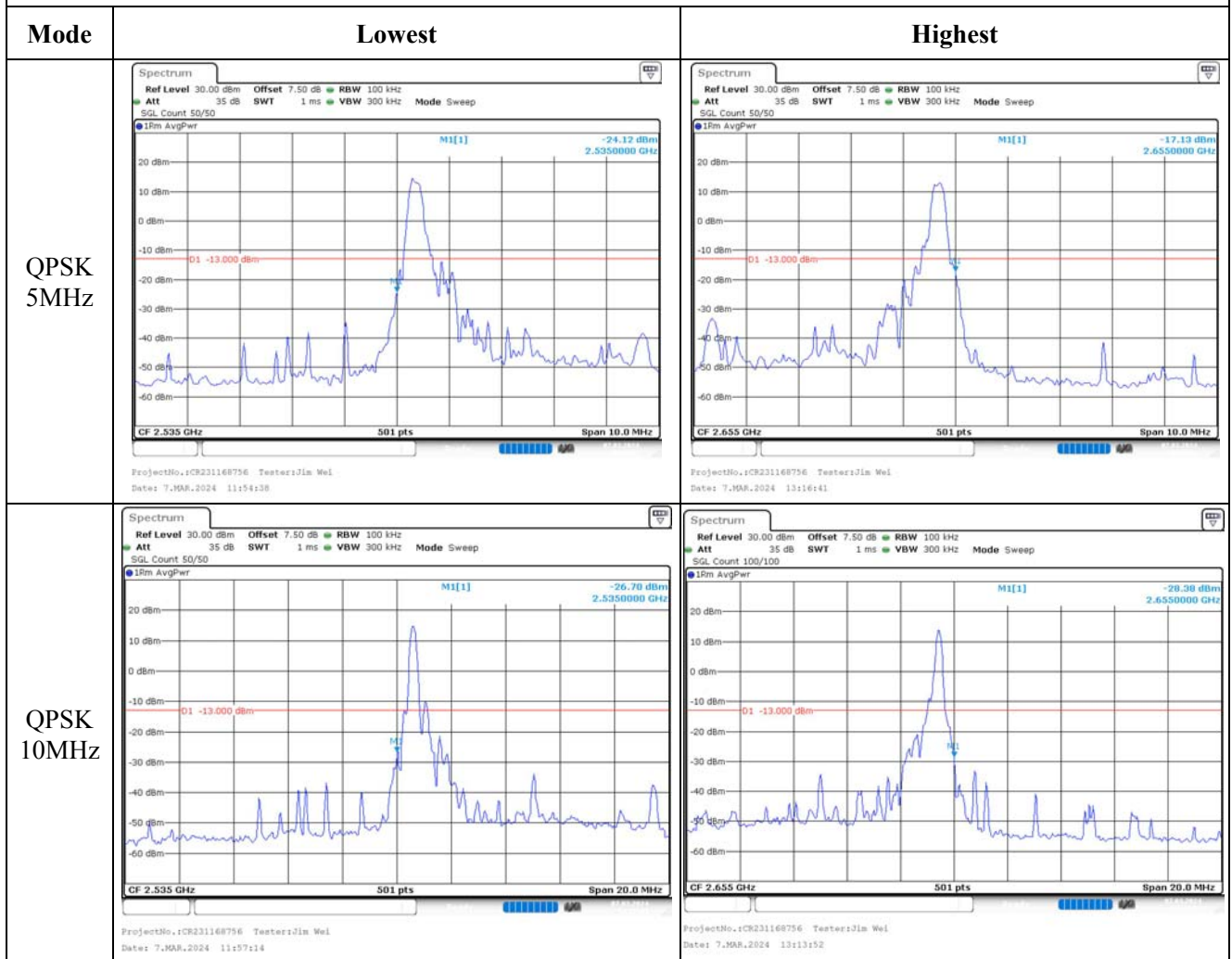


Highest

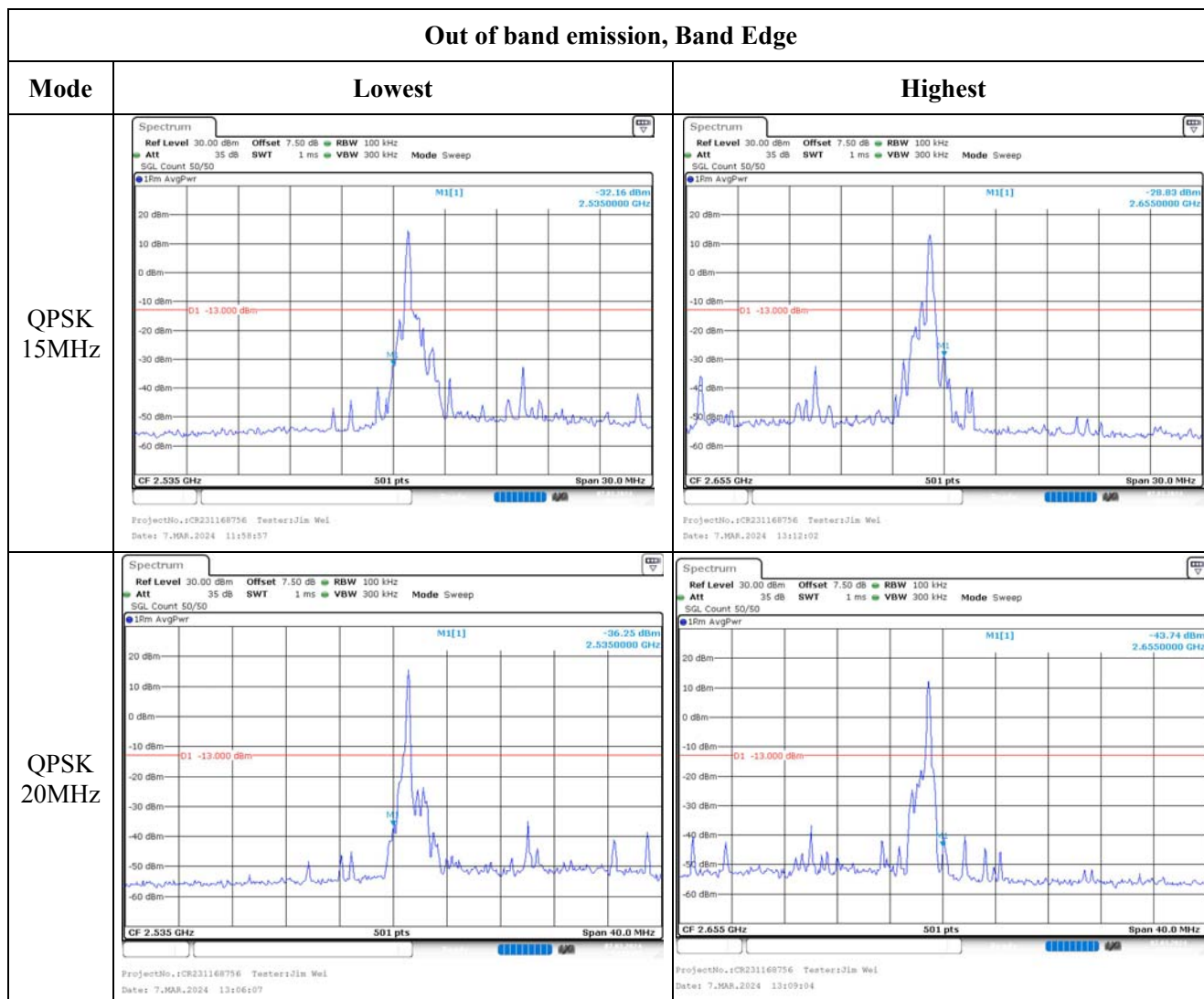


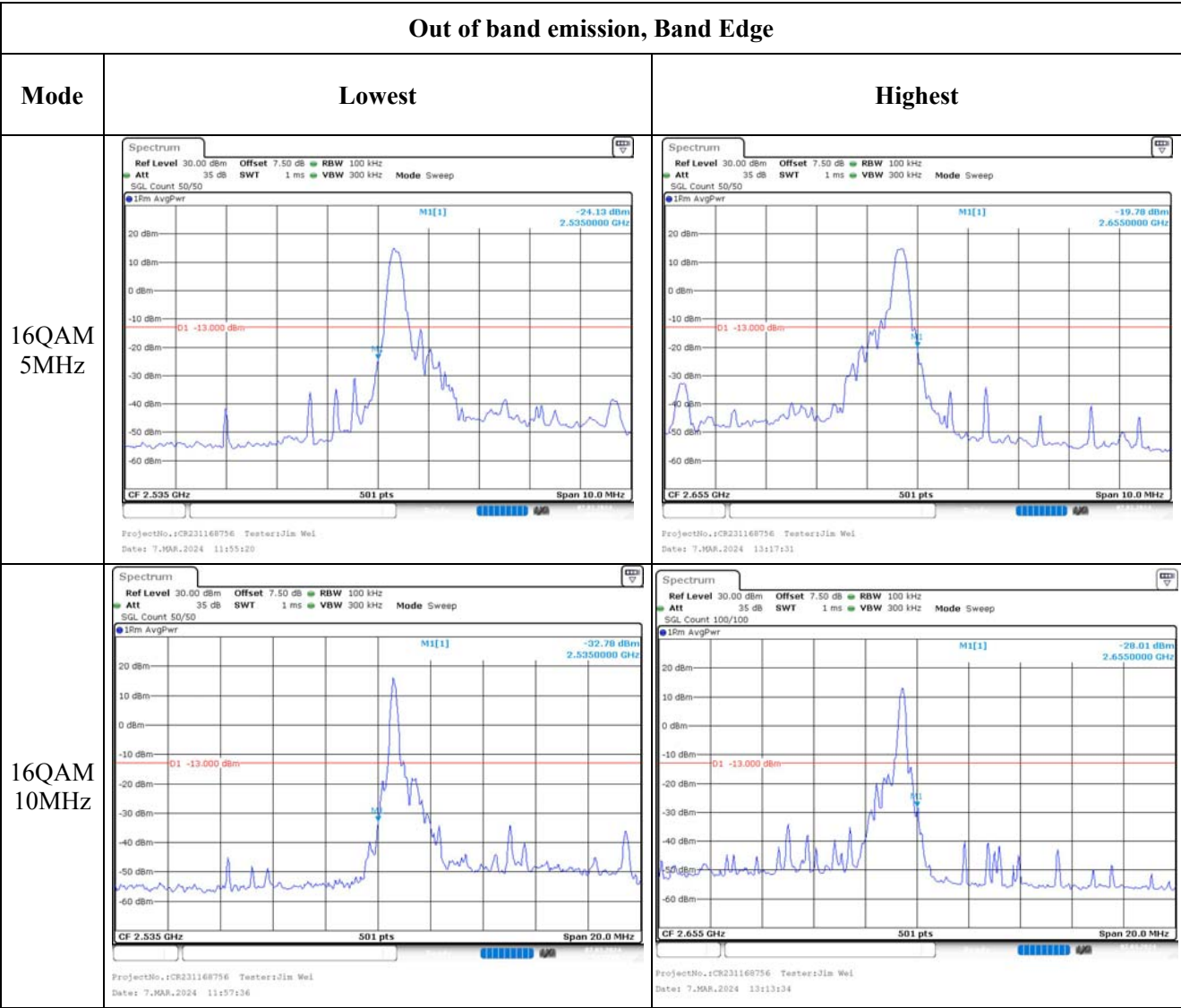
1 RB:

Out of band emission, Band Edge

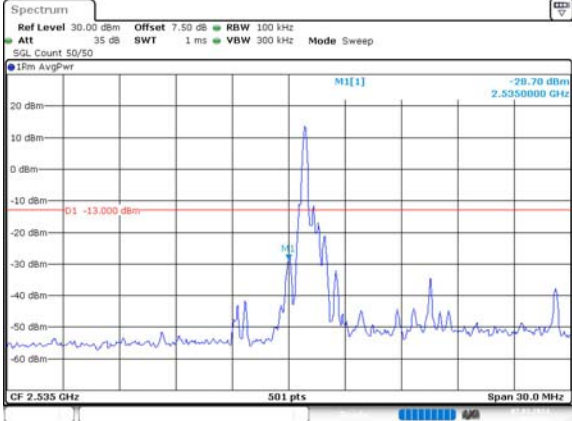
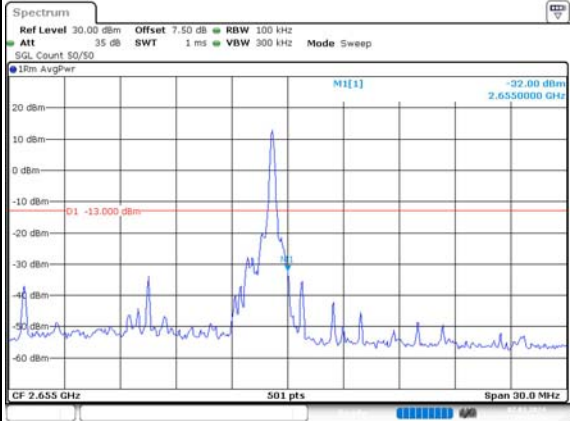
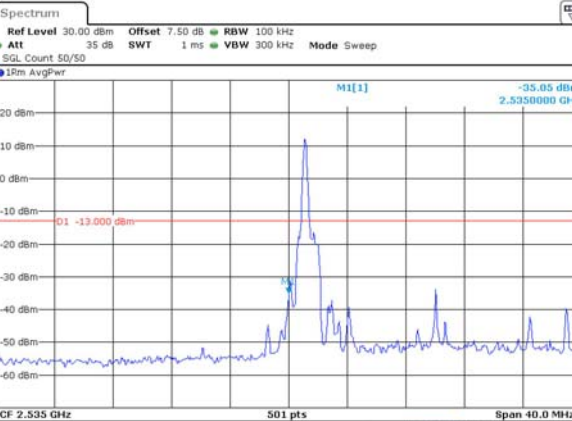
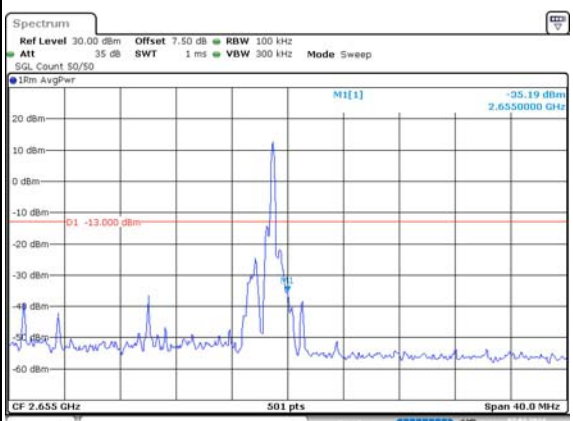


Out of band emission, Band Edge



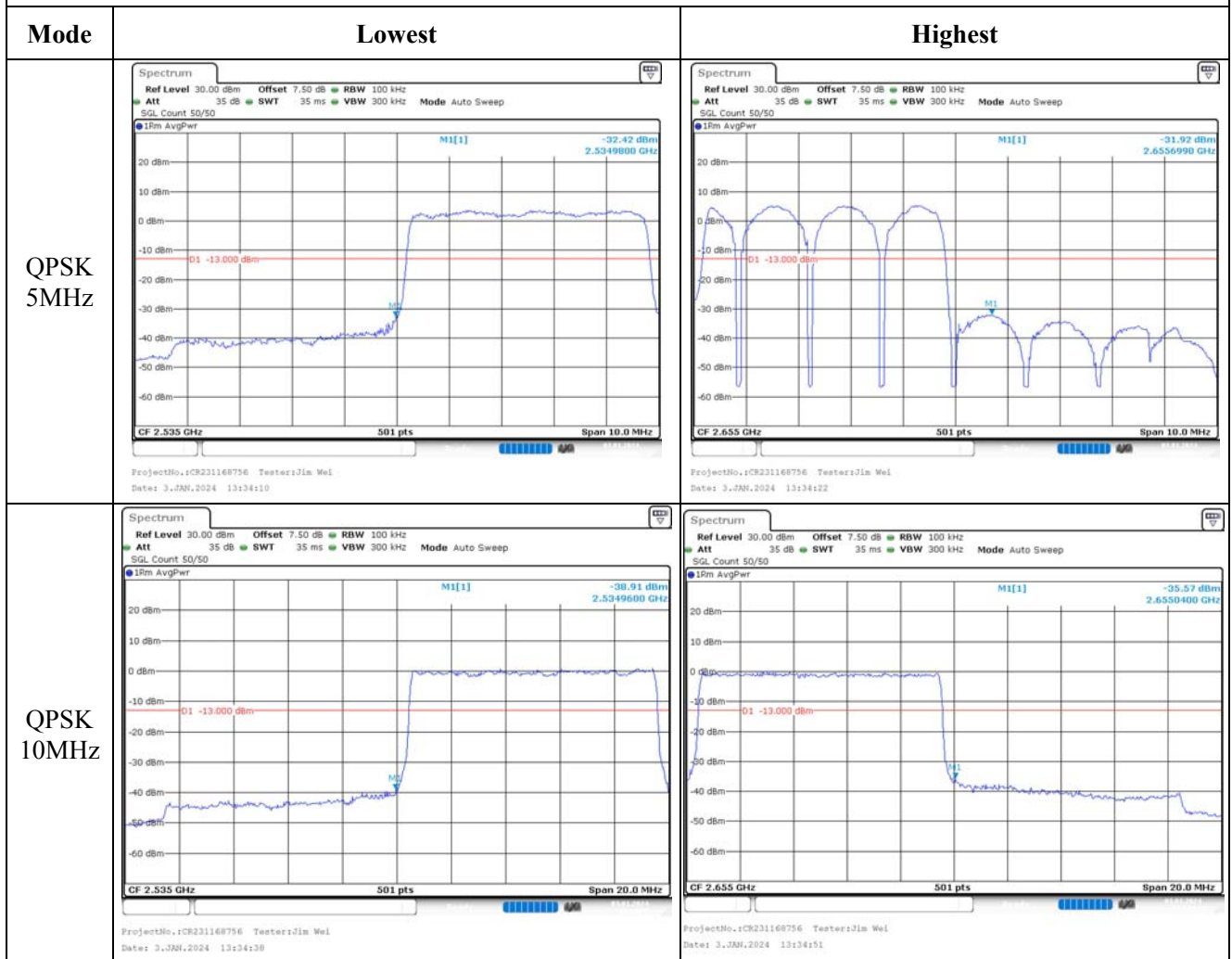


Out of band emission, Band Edge

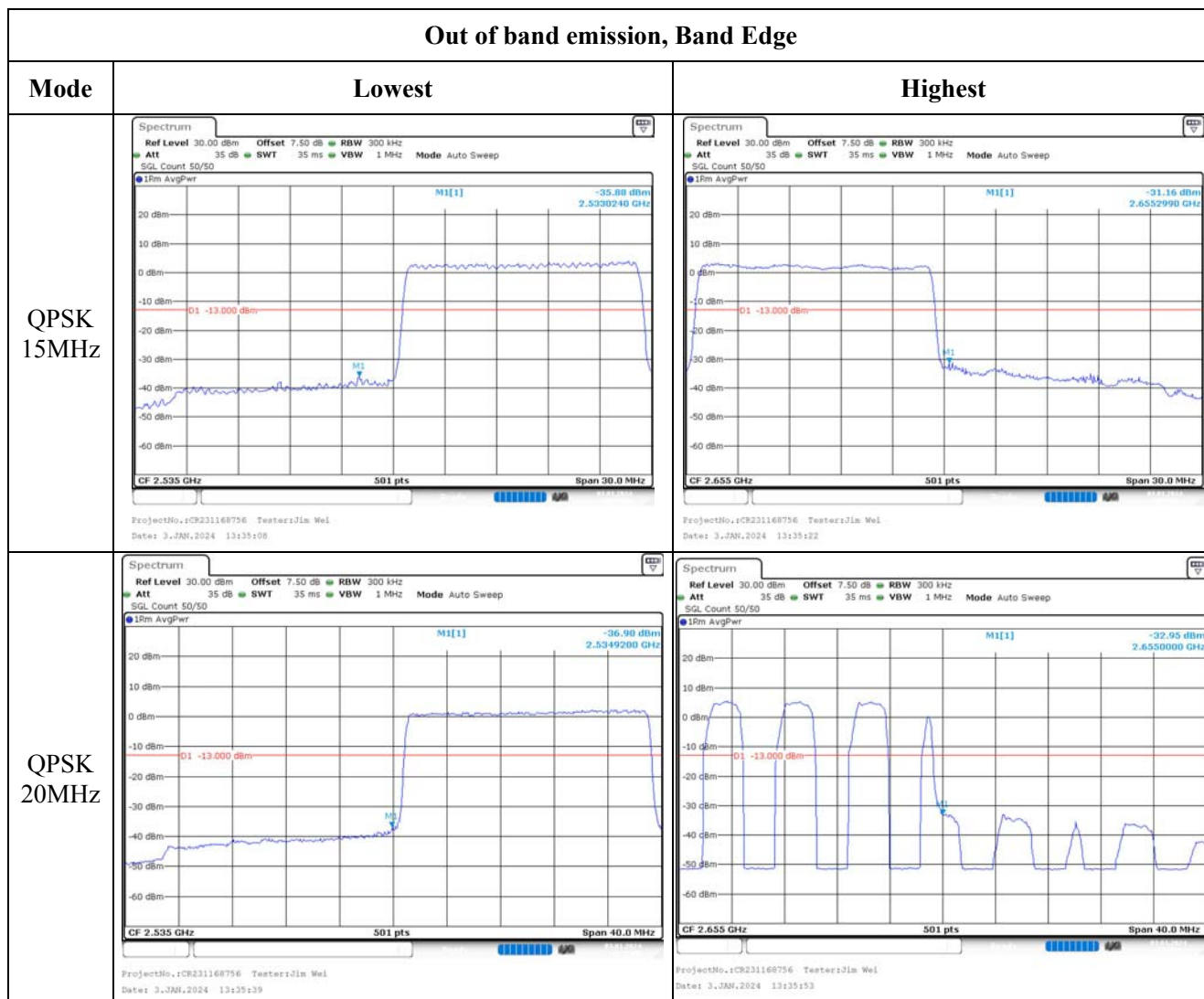
Mode	Lowest	Highest
16QAM 15MHz	 ProjectNo.:CR231168756 Tester:Jim Wei Date: 7.MAR.2024 11:59:26	 ProjectNo.:CR231168756 Tester:Jim Wei Date: 7.MAR.2024 13:11:34
16QAM 20MHz	 ProjectNo.:CR231168756 Tester:Jim Wei Date: 7.MAR.2024 13:06:48	 ProjectNo.:CR231168756 Tester:Jim Wei Date: 7.MAR.2024 13:10:06

Full RB:

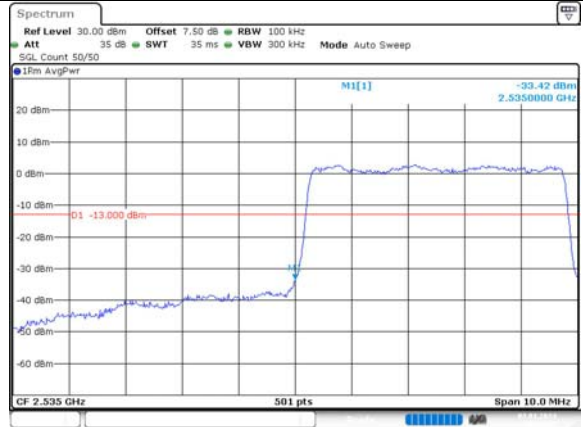
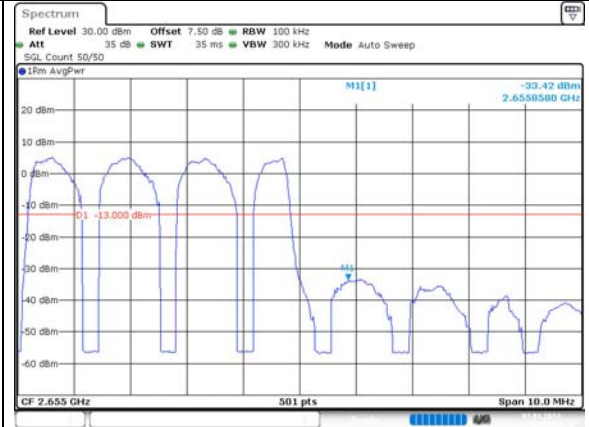
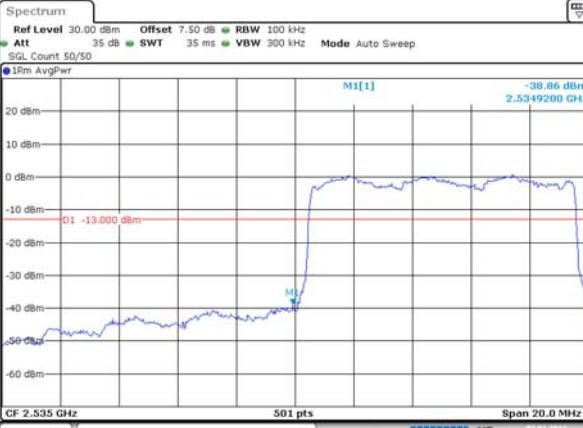
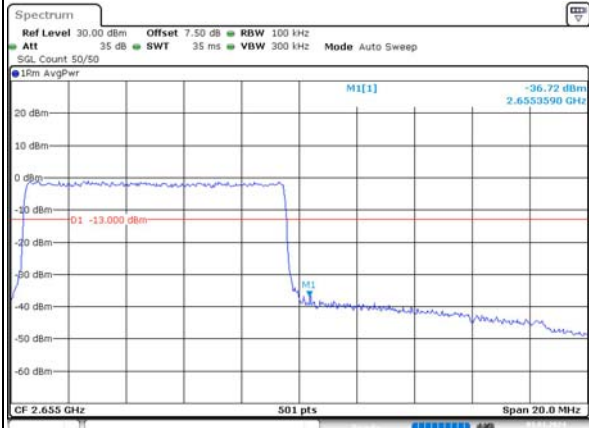
Out of band emission, Band Edge



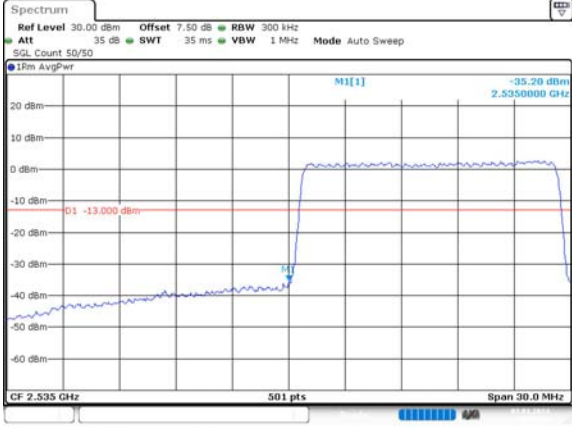
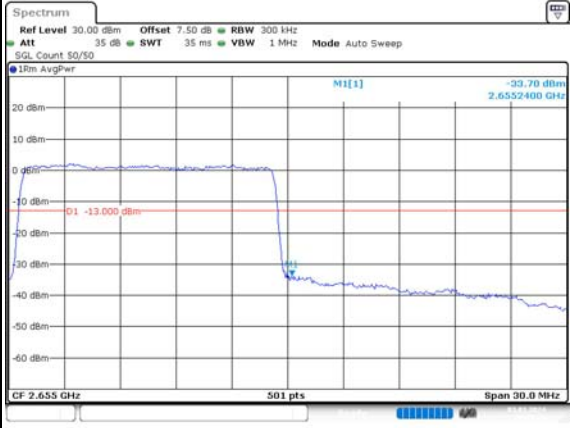
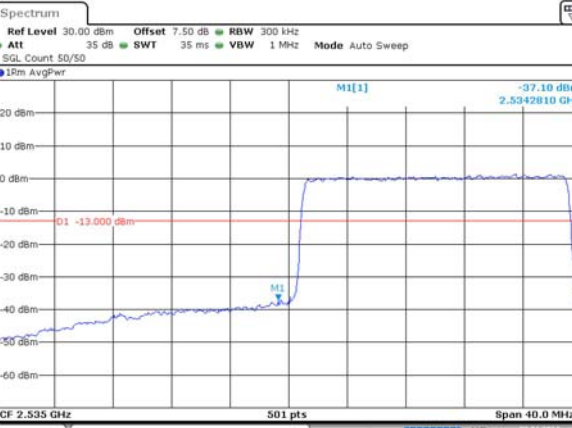
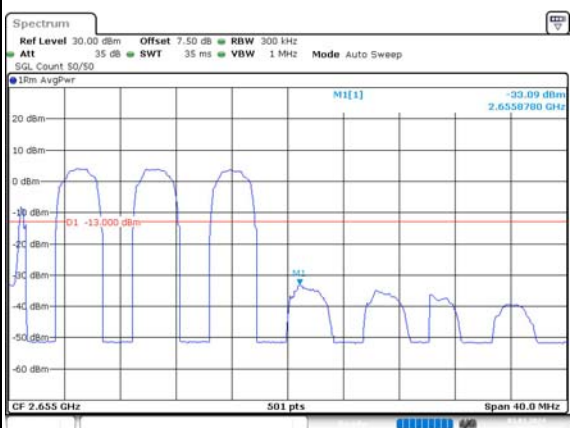
Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 5MHz	 ProjectNo.:CR231168756 TestersJlm Wei Date: 3.JAN.2024 13:34:16	 ProjectNo.:CR231168756 TestersJlm Wei Date: 3.JAN.2024 13:34:28
16QAM 10MHz	 ProjectNo.:CR231168756 TestersJlm Wei Date: 3.JAN.2024 13:34:44	 ProjectNo.:CR231168756 TestersJlm Wei Date: 3.JAN.2024 13:34:58

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 15MHz	 ProjectNo.:CR231168756 Tester:Jim Wei Date: 3.JAN.2024 13:35:14	 ProjectNo.:CR231168756 Tester:Jim Wei Date: 3.JAN.2024 13:35:29
16QAM 20MHz	 ProjectNo.:CR231168756 Tester:Jim Wei Date: 3.JAN.2024 13:35:46	 ProjectNo.:CR231168756 Tester:Jim Wei Date: 3.JAN.2024 13:36:00

4.16 Radiated Spurious Emissions

Serial Number:	2DYK-2	Test Date:	2023/12/10~2023/12/16
Test Site:	966-2,966-1	Test Mode:	Transmitting
Tester:	Carl Xue, Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~26.2	Relative Humidity: (%)	42~58	ATM Pressure: (kPa)	100.8~101
----------------------	-----------	---------------------------	-------	---------------------------	-----------

Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-6	2023/9/18	2026/9/17
R&S	EMI Test Receiver	ESR3	102724	2023/3/31	2024/3/30
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2023/7/16	2024/7/15
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2023/7/16	2024/7/15
Sonoma	Amplifier	310N	186165	2023/7/16	2024/7/15
EMCO	Adjustable Dipole Antenna	3121C	9109-756	N/A	N/A
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2023/7/16	2024/7/15
Agilent	Signal Generator	E8247C	MY43321352	2023/11/17	2024/11/16
AH	Double Ridge Guide Horn Antenna	SAS-571	1394	2023/2/22	2026/2/21
R&S	Spectrum Analyzer	FSV40	101591	2023/3/31	2024/3/30
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2023/8/6	2024/8/5
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2023/8/6	2024/8/5
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2023/11/8	2024/11/7
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021/10/18	2024/10/17
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/2/5	2024/2/4
PASTERNAK	Horn Antenna	PE9852/2F-20	112001	2021/2/5	2024/2/4
Quinstar	Preamplifier	QLW-18405536-JO	15964001005	2023/9/15	2024/9/14
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/2/5	2024/2/4
PASTERNAK	Horn Antenna	PE9850/2F-20	072002	2021/2/5	2024/2/4
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2023/8/6	2024/8/5

*** 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 Data:

Please refer to the below table and plots.

After pre-scan in the X, Y and Z axes of orientation, the worst case is below:

Cellular Band (30MHz-10GHz)

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850 Frequency:824.2MHz								
699.30	H	21.07	-52.25	0.00	0.55	-52.80	-13.00	39.80
588.90	V	21.12	-50.59	0.00	0.48	-51.07	-13.00	38.07
1648.400	H	37.45	-66.88	8.68	0.80	-59.00	-13.00	46.00
1648.400	V	38.02	-66.39	8.68	0.80	-58.51	-13.00	45.51
2472.600	H	36.64	-64.14	9.38	1.00	-55.76	-13.00	42.76
2472.600	V	35.59	-65.14	9.38	1.00	-56.76	-13.00	43.76
3296.800	H	34.41	-62.27	10.32	1.15	-53.10	-13.00	40.10
3296.800	V	34.22	-62.22	10.32	1.15	-53.05	-13.00	40.05
GSM 850 Frequency:836.6MHz								
716.66	H	20.86	-52.12	0.00	0.50	-52.62	-13.00	39.62
658.76	V	21.24	-49.43	0.00	0.51	-49.94	-13.00	36.94
1673.200	H	39.01	-65.30	8.71	0.85	-57.44	-13.00	44.44
1673.200	V	36.64	-67.77	8.71	0.85	-59.91	-13.00	46.91
2509.800	H	35.52	-65.09	9.42	1.01	-56.68	-13.00	43.68
2509.800	V	38.00	-62.62	9.42	1.01	-54.21	-13.00	41.21
3346.400	H	34.51	-62.66	10.34	1.16	-53.48	-13.00	40.48
3346.400	V	34.15	-62.88	10.34	1.16	-53.70	-13.00	40.70
GSM 850 Frequency:848.8MHz								
726.70	H	20.95	-51.83	0.00	0.52	-52.35	-13.00	39.35
714.03	V	20.86	-48.75	0.00	0.50	-49.25	-13.00	36.25
1697.600	H	40.06	-64.23	8.74	0.90	-56.39	-13.00	43.39
1697.600	V	38.44	-65.98	8.74	0.90	-58.14	-13.00	45.14
2546.400	H	37.58	-62.75	9.47	1.01	-54.29	-13.00	41.29
2546.400	V	38.64	-61.64	9.47	1.01	-53.18	-13.00	40.18
3395.200	H	34.00	-63.69	10.36	1.19	-54.52	-13.00	41.52
3395.200	V	35.23	-62.43	10.36	1.19	-53.26	-13.00	40.26

PCS Band (30MHz-20GHz)

1850 Band (GSM 1900)								
Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 1900 Frequency:1850.2MHz								
331.21	H	29.76	-80.49	0.00	0.34	-80.83	-13.00	67.83
78.96	V	29.62	-78.34	-0.52	0.16	-79.02	-13.00	66.02
3700.400	H	36.44	-60.88	10.60	1.25	-51.53	-13.00	38.53
3700.400	V	35.85	-61.45	10.60	1.25	-52.10	-13.00	39.10
5550.600	H	34.41	-58.85	11.44	1.49	-48.90	-13.00	35.90
5550.600	V	34.22	-58.88	11.44	1.49	-48.93	-13.00	35.93
GSM 1900 Frequency:1880MHz								
173.20	H	29.57	-82.62	0.00	0.24	-82.86	-13.00	69.86
79.52	V	29.55	-78.74	-0.24	0.16	-79.14	-13.00	66.14
3760.000	H	35.89	-60.52	10.66	1.24	-51.10	-13.00	38.10
3760.000	V	34.56	-61.73	10.66	1.24	-52.31	-13.00	39.31
5640.000	H	35.53	-57.92	11.33	1.54	-48.13	-13.00	35.13
5640.000	V	35.78	-57.55	11.33	1.54	-47.76	-13.00	34.76
GSM 1900 Frequency:1909.8MHz								
274.13	H	29.09	-82.24	0.00	0.32	-82.56	-13.00	69.56
78.41	V	29.46	-78.17	-0.80	0.16	-79.13	-13.00	66.13
3819.600	H	36.23	-59.63	10.72	1.29	-50.20	-13.00	37.20
3819.600	V	35.54	-60.18	10.72	1.29	-50.75	-13.00	37.75
5729.400	H	35.11	-58.37	11.22	1.59	-48.74	-13.00	35.74
5729.400	V	34.01	-59.35	11.22	1.59	-49.72	-13.00	36.72

WCDMA Band 2(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II, Frequency:1852.4 MHz								
217.54	H	28.91	-83.63	0.00	0.27	-83.90	-13.00	70.90
79.12	V	30.03	-78.02	-0.44	0.16	-78.62	-13.00	65.62
3704.800	H	35.44	-61.82	10.60	1.25	-52.47	-13.00	39.47
3704.800	V	34.58	-62.65	10.60	1.25	-53.30	-13.00	40.30
5557.200	H	35.11	-58.17	11.43	1.49	-48.23	-13.00	35.23
5557.200	V	35.06	-58.07	11.43	1.49	-48.13	-13.00	35.13
WCDMA Band II, Frequency:1880 MHz								
230.08	H	28.89	-83.40	0.00	0.29	-83.69	-13.00	70.69
78.84	V	29.92	-77.97	-0.58	0.16	-78.71	-13.00	65.71
3760.000	H	34.63	-61.78	10.66	1.24	-52.36	-13.00	39.36
3760.000	V	35.12	-61.17	10.66	1.24	-51.75	-13.00	38.75
5640.000	H	34.78	-58.67	11.33	1.54	-48.88	-13.00	35.88
5640.000	V	34.66	-58.67	11.33	1.54	-48.88	-13.00	35.88
WCDMA Band II, Frequency:1907.6MHz								
108.34	H	29.32	-82.93	0.00	0.19	-83.12	-13.00	70.12
78.57	V	29.87	-77.86	-0.72	0.16	-78.74	-13.00	65.74
3815.200	H	35.58	-60.27	10.72	1.29	-50.84	-13.00	37.84
3815.200	V	36.21	-59.48	10.72	1.29	-50.05	-13.00	37.05
5722.800	H	35.10	-58.39	11.23	1.58	-48.74	-13.00	35.74
5722.800	V	34.77	-58.58	11.23	1.58	-48.93	-13.00	35.93

WCDMA Band 4(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
Frequency:			1712.4	MHz				
235.29	H	29.10	-83.09	0.00	0.29	-83.38	-13.00	70.38
79.67	V	29.82	-78.56	-0.16	0.16	-78.88	-13.00	65.88
3424.800	H	35.14	-62.63	10.37	1.17	-53.43	-13.00	40.43
3424.800	V	34.46	-63.28	10.37	1.17	-54.08	-13.00	41.08
5137.200	H	34.55	-59.07	11.28	1.46	-49.25	-13.00	36.25
5137.200	V	35.28	-58.22	11.28	1.46	-48.40	-13.00	35.40
Frequency:			1732.6	MHz				
92.02	H	29.37	-83.53	0.00	0.18	-83.71	-13.00	70.71
78.84	V	20.91	-86.98	-0.58	0.16	-87.72	-13.00	74.72
3465.200	H	34.78	-63.03	10.39	1.15	-53.79	-13.00	40.79
3465.200	V	34.66	-63.11	10.39	1.15	-53.87	-13.00	40.87
5197.800	H	35.85	-58.28	11.32	1.44	-48.40	-13.00	35.40
5197.800	V	36.01	-57.97	11.32	1.44	-48.09	-13.00	35.09
Frequency:			1752.6	MHz				
140.10	H	29.66	-82.64	0.00	0.22	-82.86	-13.00	69.86
79.40	V	29.70	-78.52	-0.30	0.16	-78.98	-13.00	65.98
3505.200	H	35.27	-62.56	10.41	1.18	-53.33	-13.00	40.33
3505.200	V	34.53	-63.24	10.41	1.18	-54.01	-13.00	41.01
5257.800	H	35.78	-57.95	11.35	1.47	-48.07	-13.00	35.07
5257.800	V	35.44	-58.07	11.35	1.47	-48.19	-13.00	35.19

WCDMA Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 5 Frequency:826.4 MHz								
706.69	H	20.87	-52.31	0.00	0.54	-52.85	-13.00	39.85
682.28	V	20.84	-49.40	0.00	0.52	-49.92	-13.00	36.92
1652.800	H	35.45	-68.88	8.68	0.81	-61.01	-13.00	48.01
1652.800	V	34.44	-69.97	8.68	0.81	-62.10	-13.00	49.10
2479.200	H	35.23	-65.53	9.39	1.01	-57.15	-13.00	44.15
2479.200	V	35.22	-65.51	9.39	1.01	-57.13	-13.00	44.13
3305.600	H	34.78	-61.95	10.32	1.15	-52.78	-13.00	39.78
3305.600	V	34.26	-62.24	10.32	1.15	-53.07	-13.00	40.07
WCDMA Band 5 Frequency:836.6MHz								
629.54	H	20.76	-52.94	0.00	0.48	-53.42	-13.00	40.42
721.57	V	20.79	-48.66	0.00	0.50	-49.16	-13.00	36.16
1673.200	H	34.25	-70.06	8.71	0.85	-62.20	-13.00	49.20
1673.200	V	34.98	-69.43	8.71	0.85	-61.57	-13.00	48.57
2509.800	H	35.11	-65.50	9.42	1.01	-57.09	-13.00	44.09
2509.800	V	36.02	-64.60	9.42	1.01	-56.19	-13.00	43.19
3346.400	H	35.55	-61.62	10.34	1.16	-52.44	-13.00	39.44
3346.400	V	34.41	-62.62	10.34	1.16	-53.44	-13.00	40.44
WCDMA Band 5 Frequency:846.6MHz								
675.23	H	20.84	-52.61	0.00	0.50	-53.11	-13.00	40.11
701.63	V	21.11	-48.77	0.00	0.55	-49.32	-13.00	36.32
1693.200	H	34.55	-69.75	8.73	0.89	-61.91	-13.00	48.91
1693.200	V	34.59	-69.83	8.73	0.89	-61.99	-13.00	48.99
2539.800	H	35.64	-64.74	9.46	1.01	-56.29	-13.00	43.29
2539.800	V	35.21	-65.13	9.46	1.01	-56.68	-13.00	43.68
3386.400	H	34.74	-62.85	10.35	1.18	-53.68	-13.00	40.68
3386.400	V	34.23	-63.31	10.35	1.18	-54.14	-13.00	41.14

LTE Bands:

(The Worst modulation and bandwidth was below)

LTE Band 2(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 1.4MHz, Frequency:1850.7 MHz								
352.94	H	29.11	-80.81	0.00	0.36	-81.17	-13.00	68.17
81.21	V	30.31	-78.36	0.00	0.16	-78.52	-13.00	65.52
3701.400	H	55.88	-41.43	10.60	1.25	-32.08	-13.00	19.08
3701.400	V	57.88	-39.41	10.60	1.25	-30.06	-13.00	17.06
5552.100	H	35.45	-57.82	11.44	1.49	-47.87	-13.00	34.87
5552.100	V	41.36	-51.74	11.44	1.49	-41.79	-13.00	28.79
QPSK, 1.4MHz,Frequency:1880 MHz								
220.72	H	28.82	-83.66	0.00	0.27	-83.93	-13.00	70.93
79.24	V	29.95	-78.18	-0.38	0.16	-78.72	-13.00	65.72
3760.000	H	60.02	-36.39	10.66	1.24	-26.97	-13.00	13.97
3760.000	V	60.31	-35.98	10.66	1.24	-26.56	-13.00	13.56
5640.000	H	37.47	-55.98	11.33	1.54	-46.19	-13.00	33.19
5640.000	V	37.41	-55.92	11.33	1.54	-46.13	-13.00	33.13
QPSK, 1.4MHz,Frequency:1909.3 MHz								
252.14	H	28.54	-83.31	0.00	0.30	-83.61	-13.00	70.61
76.51	V	29.83	-76.67	-1.75	0.16	-78.58	-13.00	65.58
3818.600	H	55.50	-40.36	10.72	1.29	-30.93	-13.00	17.93
3818.600	V	55.56	-40.15	10.72	1.29	-30.72	-13.00	17.72
5727.900	H	35.68	-57.80	11.23	1.59	-48.16	-13.00	35.16
5727.900	V	36.11	-57.25	11.23	1.59	-47.61	-13.00	34.61

LTE Band 4(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 1710.7 MHz								
219.07	H	29.31	-83.20	0.00	0.27	-83.47	-13.00	70.47
78.96	V	30.02	-77.94	-0.52	0.16	-78.62	-13.00	65.62
3421.400	H	47.65	-50.11	10.37	1.17	-40.91	-13.00	27.91
3421.400	V	43.85	-53.88	10.37	1.17	-44.68	-13.00	31.68
5132.100	H	34.55	-59.02	11.28	1.47	-49.21	-13.00	36.21
5132.100	V	35.02	-58.44	11.28	1.47	-48.63	-13.00	35.63
1.4MHz QPSK, Frequency: 1732.5 MHz								
193.11	H	29.25	-83.50	0.00	0.26	-83.76	-13.00	70.76
80.36	V	29.65	-78.96	0.00	0.16	-79.12	-13.00	66.12
3465.000	H	48.42	-49.39	10.39	1.15	-40.15	-13.00	27.15
3465.000	V	42.35	-55.42	10.39	1.15	-46.18	-13.00	33.18
5197.500	H	34.46	-59.67	11.32	1.44	-49.79	-13.00	36.79
5197.500	V	34.41	-59.57	11.32	1.44	-49.69	-13.00	36.69
1.4MHz QPSK, Frequency: 1754.3 MHz								
141.88	H	28.68	-83.55	0.00	0.21	-83.76	-13.00	70.76
79.24	V	29.90	-78.23	-0.38	0.16	-78.77	-13.00	65.77
3508.600	H	49.34	-48.48	10.41	1.19	-39.26	-13.00	26.26
3508.600	V	45.94	-51.82	10.41	1.19	-42.60	-13.00	29.60
5262.900	H	35.26	-58.44	11.36	1.47	-48.55	-13.00	35.55
5262.900	V	34.47	-59.00	11.36	1.47	-49.11	-13.00	36.11

LTE Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, 1.4MHz, Frequency: 824.7 MHz								
724.44	H	20.87	-51.96	0.00	0.51	-52.47	-13.00	39.47
714.41	V	20.65	-48.96	0.00	0.50	-49.46	-13.00	36.46
1649.400	H	63.23	-41.10	8.68	0.80	-33.22	-13.00	20.22
1649.400	V	63.02	-41.39	8.68	0.80	-33.51	-13.00	20.51
2474.100	H	59.74	-41.04	9.38	1.00	-32.66	-13.00	19.66
2474.100	V	58.59	-42.14	9.38	1.00	-33.76	-13.00	20.76
3298.800	H	34.44	-62.24	10.32	1.15	-53.07	-13.00	40.07
3298.800	V	35.02	-61.42	10.32	1.15	-52.25	-13.00	39.25
QPSK, 1.4MHz, Frequency: 836.5 MHz								
675.42	H	20.64	-52.81	0.00	0.50	-53.31	-13.00	40.31
721.95	V	20.71	-48.73	0.00	0.50	-49.23	-13.00	36.23
1673.000	H	62.02	-42.29	8.71	0.85	-34.43	-13.00	21.43
1673.000	V	54.57	-49.84	8.71	0.85	-41.98	-13.00	28.98
2509.500	H	60.33	-40.28	9.42	1.01	-31.87	-13.00	18.87
2509.500	V	60.57	-40.05	9.42	1.01	-31.64	-13.00	18.64
3346.000	H	34.69	-62.47	10.34	1.16	-53.29	-13.00	40.29
3346.000	V	35.44	-61.58	10.34	1.16	-52.40	-13.00	39.40
QPSK, 1.4MHz, Frequency: 848.3 MHz								
638.63	H	20.83	-52.82	0.00	0.52	-53.34	-13.00	40.34
694.66	V	20.68	-49.34	0.00	0.55	-49.89	-13.00	36.89
1696.600	H	60.03	-44.26	8.74	0.89	-36.41	-13.00	23.41
1696.600	V	60.59	-43.83	8.74	0.89	-35.98	-13.00	22.98
2544.900	H	57.99	-42.35	9.47	1.01	-33.89	-13.00	20.89
2544.900	V	56.58	-43.72	9.47	1.01	-35.26	-13.00	22.26
3393.200	H	35.13	-62.54	10.36	1.19	-53.37	-13.00	40.37
3393.200	V	35.44	-62.19	10.36	1.19	-53.02	-13.00	40.02

LTE Band 7(30MHz-26GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2502.5 MHz								
93.78	H	29.04	-83.74	0.00	0.18	-83.92	-25.00	58.92
78.68	V	29.74	-78.05	-0.66	0.16	-78.87	-25.00	53.87
5005.000	H	38.55	-54.41	11.20	1.47	-44.68	-25.00	19.68
5005.000	V	36.52	-56.30	11.20	1.47	-46.57	-25.00	21.57
7507.500	H	34.41	-55.38	10.90	1.95	-46.43	-25.00	21.43
7507.500	V	35.21	-55.08	10.90	1.95	-46.13	-25.00	21.13
5MHz QPSK, Frequency: 2535 MHz								
120.24	H	28.86	-83.23	0.00	0.21	-83.44	-25.00	58.44
79.24	V	29.52	-78.61	-0.38	0.16	-79.15	-25.00	54.15
5070.000	H	37.11	-56.08	11.24	1.47	-46.31	-25.00	21.31
5070.000	V	35.58	-57.51	11.24	1.47	-47.74	-25.00	22.74
7605.000	H	34.52	-54.95	10.88	2.01	-46.08	-25.00	21.08
7605.000	V	34.66	-55.53	10.88	2.01	-46.66	-25.00	21.66
5MHz QPSK, Frequency: 2567.5 MHz								
139.30	H	28.77	-83.52	0.00	0.22	-83.74	-25.00	58.74
78.96	V	30.09	-77.87	-0.52	0.16	-78.55	-25.00	53.55
5135.000	H	36.69	-56.91	11.28	1.47	-47.10	-25.00	22.10
5135.000	V	35.11	-58.38	11.28	1.47	-48.57	-25.00	23.57
7702.500	H	34.78	-54.74	10.86	1.97	-45.85	-25.00	20.85
7702.500	V	34.22	-55.96	10.86	1.97	-47.07	-25.00	22.07

LTE Band 12(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 699.7 MHz								
593.34	H	20.66	-53.33	0.00	0.50	-53.83	-13.00	40.83
524.87	V	20.63	-50.99	0.00	0.42	-51.41	-13.00	38.41
1399.400	H	60.78	-42.92	8.22	0.71	-35.41	-13.00	22.41
1399.400	V	62.13	-41.62	8.22	0.71	-34.11	-13.00	21.11
2099.100	H	63.56	-38.32	9.16	0.91	-30.07	-13.00	17.07
2099.100	V	62.38	-39.45	9.16	0.91	-31.20	-13.00	18.20
2798.800	H	45.69	-54.24	9.88	1.04	-45.40	-13.00	32.40
2798.800	V	44.70	-55.10	9.88	1.04	-46.26	-13.00	33.26
1.4MHz QPSK, Frequency: 707.5 MHz								
521.21	H	20.57	-54.84	0.00	0.41	-55.25	-13.00	42.25
625.35	V	20.53	-50.74	0.00	0.48	-51.22	-13.00	38.22
1415.000	H	62.27	-41.40	8.26	0.72	-33.86	-13.00	20.86
1415.000	V	63.86	-39.86	8.26	0.72	-32.32	-13.00	19.32
2122.500	H	64.74	-37.25	9.17	0.92	-29.00	-13.00	16.00
2122.500	V	64.45	-37.52	9.17	0.92	-29.27	-13.00	16.27
2830.000	H	47.14	-52.66	9.93	1.06	-43.79	-13.00	30.79
2830.000	V	42.72	-57.01	9.93	1.06	-48.14	-13.00	35.14
1.4MHz QPSK, Frequency: 715.3 MHz								
451.48	H	20.70	-56.12	0.00	0.43	-56.55	-13.00	43.55
480.86	V	20.46	-51.88	0.00	0.41	-52.29	-13.00	39.29
1430.600	H	61.47	-42.16	8.31	0.73	-34.58	-13.00	21.58
1430.600	V	63.85	-39.84	8.31	0.73	-32.26	-13.00	19.26
2145.900	H	64.77	-37.33	9.19	0.93	-29.07	-13.00	16.07
2145.900	V	65.29	-36.82	9.19	0.93	-28.56	-13.00	15.56
2861.200	H	46.67	-52.98	9.98	1.07	-44.07	-13.00	31.07
2861.200	V	43.52	-56.15	9.98	1.07	-47.24	-13.00	34.24

LTE Band 17(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 706.5 MHz								
576.94	H	20.50	-53.81	0.00	0.46	-54.27	-13.00	41.27
555.14	V	20.62	-51.04	0.00	0.49	-51.53	-13.00	38.53
1413.000	H	53.23	-50.44	8.26	0.72	-42.90	-13.00	29.90
1413.000	V	55.44	-48.28	8.26	0.72	-40.74	-13.00	27.74
2119.500	H	55.69	-46.28	9.17	0.92	-38.03	-13.00	25.03
2119.500	V	52.17	-49.78	9.17	0.92	-41.53	-13.00	28.53
2826.000	H	39.61	-60.20	9.92	1.06	-51.34	-13.00	38.34
2826.000	V	36.74	-63.00	9.92	1.06	-54.14	-13.00	41.14
5MHz QPSK, Frequency: 710 MHz								
464.31	H	20.53	-56.03	0.00	0.42	-56.45	-13.00	43.45
492.80	V	20.47	-51.40	0.00	0.45	-51.85	-13.00	38.85
1420.000	H	54.35	-49.31	8.28	0.73	-41.76	-13.00	28.76
1420.000	V	56.56	-47.15	8.28	0.73	-39.60	-13.00	26.60
2130.000	H	56.84	-45.18	9.18	0.92	-36.92	-13.00	23.92
2130.000	V	55.99	-46.02	9.18	0.92	-37.76	-13.00	24.76
2840.000	H	40.02	-59.73	9.94	1.06	-50.85	-13.00	37.85
2840.000	V	37.12	-62.59	9.94	1.06	-53.71	-13.00	40.71
5MHz QPSK, Frequency: 713.5 MHz								
603.82	H	20.57	-53.27	0.00	0.50	-53.77	-13.00	40.77
453.07	V	20.53	-52.91	0.00	0.42	-53.33	-13.00	40.33
1427.000	H	56.12	-47.52	8.30	0.73	-39.95	-13.00	26.95
1427.000	V	57.10	-46.59	8.30	0.73	-39.02	-13.00	26.02
2140.500	H	55.34	-46.73	9.18	0.93	-38.48	-13.00	25.48
2140.500	V	56.08	-46.00	9.18	0.93	-37.75	-13.00	24.75
2854.000	H	38.41	-61.28	9.97	1.07	-52.38	-13.00	39.38
2854.000	V	37.55	-62.13	9.97	1.07	-53.23	-13.00	40.23

LTE Band 25(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 1850.4 MHz								
155.28	H	28.99	-82.78	0.00	0.23	-83.01	-13.00	70.01
78.96	V	29.53	-78.43	-0.52	0.16	-79.11	-13.00	66.11
3700.800	H	57.33	-39.99	10.60	1.25	-30.64	-13.00	17.64
3700.800	V	55.24	-42.06	10.60	1.25	-32.71	-13.00	19.71
5551.200	H	36.67	-56.59	11.44	1.49	-46.64	-13.00	33.64
5551.200	V	34.51	-58.59	11.44	1.49	-48.64	-13.00	35.64
1.4MHz QPSK, Frequency: 1882.5 MHz								
128.97	H	28.73	-83.45	0.00	0.21	-83.66	-13.00	70.66
79.12	V	29.67	-78.38	-0.44	0.16	-78.98	-13.00	65.98
3765.000	H	59.38	-36.95	10.67	1.25	-27.53	-13.00	14.53
3765.000	V	56.91	-39.30	10.67	1.25	-29.88	-13.00	16.88
5647.500	H	38.35	-55.10	11.32	1.55	-45.33	-13.00	32.33
5647.500	V	35.46	-57.87	11.32	1.55	-48.10	-13.00	35.10
1.4MHz QPSK, Frequency: 1914.3 MHz								
233.95	H	29.17	-83.05	0.00	0.29	-83.34	-13.00	70.34
80.23	V	29.69	-78.91	0.00	0.16	-79.07	-13.00	66.07
3828.600	H	58.64	-37.26	10.73	1.28	-27.81	-13.00	14.81
3828.600	V	54.66	-41.11	10.73	1.28	-31.66	-13.00	18.66
5742.900	H	37.64	-55.84	11.21	1.60	-46.23	-13.00	33.23
5742.900	V	34.41	-58.95	11.21	1.60	-49.34	-13.00	36.34

LTE Band 26(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
1.4MHz QPSK, Frequency: 814.7 MHz								
706.92	H	20.80	-52.38	0.00	0.54	-52.92	-13.00	39.92
724.26	V	20.92	-48.47	0.00	0.51	-48.98	-13.00	35.98
1629.400	H	55.42	-48.93	8.66	0.81	-41.08	-13.00	28.08
1629.400	V	56.33	-48.08	8.66	0.81	-40.23	-13.00	27.23
2444.100	H	60.48	-40.41	9.37	1.00	-32.04	-13.00	19.04
2444.100	V	59.73	-41.02	9.37	1.00	-32.65	-13.00	19.65
3258.800	H	34.56	-62.30	10.30	1.17	-53.17	-13.00	40.17
3258.800	V	34.78	-61.83	10.30	1.17	-52.70	-13.00	39.70
1.4MHz QPSK, Frequency: 831.5 MHz								
636.40	H	20.74	-52.92	0.00	0.52	-53.44	-13.00	40.44
670.54	V	20.86	-49.59	0.00	0.50	-50.09	-13.00	37.09
1663.000	H	59.29	-45.03	8.70	0.83	-37.16	-13.00	24.16
1663.000	V	54.36	-50.05	8.70	0.83	-42.18	-13.00	29.18
2494.500	H	56.65	-44.05	9.40	1.01	-35.66	-13.00	22.66
2494.500	V	58.96	-41.75	9.40	1.01	-33.36	-13.00	20.36
3326.000	H	35.11	-61.84	10.33	1.16	-52.67	-13.00	39.67
3326.000	V	34.78	-61.99	10.33	1.16	-52.82	-13.00	39.82
1.4MHz QPSK, Frequency: 848.3 MHz								
562.96	H	20.94	-53.65	0.00	0.46	-54.11	-13.00	41.11
467.40	V	20.88	-51.99	0.00	0.42	-52.41	-13.00	39.41
1696.600	H	57.55	-46.74	8.74	0.89	-38.89	-13.00	25.89
1696.600	V	55.12	-49.30	8.74	0.89	-41.45	-13.00	28.45
2544.900	H	58.67	-41.67	9.47	1.01	-33.21	-13.00	20.21
2544.900	V	60.23	-40.07	9.47	1.01	-31.61	-13.00	18.61
3393.200	H	35.41	-62.26	10.36	1.19	-53.09	-13.00	40.09
3393.200	V	34.33	-63.30	10.36	1.19	-54.13	-13.00	41.13

LTE Band 38 (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2572.5 MHz								
470.25	H	28.90	-78.66	0.00	0.43	-79.09	-25.00	54.09
78.96	V	29.79	-78.17	-0.52	0.16	-78.85	-25.00	53.85
5145.000	H	38.44	-55.24	11.29	1.44	-45.39	-25.00	20.39
5145.000	V	35.56	-58.01	11.29	1.44	-48.16	-25.00	23.16
7717.500	H	35.10	-54.41	10.86	1.99	-45.54	-25.00	20.54
7717.500	V	34.32	-55.81	10.86	1.99	-46.94	-25.00	21.94
5MHz QPSK, Frequency: 2595 MHz								
343.28	H	29.06	-81.01	0.00	0.37	-81.38	-25.00	56.38
78.41	V	29.74	-77.89	-0.80	0.16	-78.85	-25.00	53.85
5190.000	H	39.66	-54.41	11.31	1.44	-44.54	-25.00	19.54
5190.000	V	36.28	-57.64	11.31	1.44	-47.77	-25.00	22.77
7785.000	H	34.54	-54.95	10.84	1.99	-46.10	-25.00	21.10
7785.000	V	34.68	-55.24	10.84	1.99	-46.39	-25.00	21.39
5MHz QPSK, Frequency: 2617.5 MHz								
219.24	H	28.92	-83.59	0.00	0.27	-83.86	-25.00	58.86
79.24	V	29.54	-78.59	-0.38	0.16	-79.13	-25.00	54.13
5235.000	H	40.02	-53.88	11.34	1.46	-44.00	-25.00	19.00
5235.000	V	37.44	-56.27	11.34	1.46	-46.39	-25.00	21.39
7852.500	H	35.56	-53.63	10.83	2.03	-44.83	-25.00	19.83
7852.500	V	35.43	-54.15	10.83	2.03	-45.35	-25.00	20.35

LTE Band 41(30MHz-27GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2537.5 MHz								
93.59	H	28.75	-84.04	0.00	0.18	-84.22	-25.00	59.22
78.68	V	29.93	-77.86	-0.66	0.16	-78.68	-25.00	53.68
5075.000	H	40.71	-52.50	11.25	1.48	-42.73	-25.00	17.73
5075.000	V	36.66	-56.45	11.25	1.48	-46.68	-25.00	21.68
7612.500	H	34.58	-54.90	10.88	2.02	-46.04	-25.00	21.04
7612.500	V	35.04	-55.15	10.88	2.02	-46.29	-25.00	21.29
5MHz QPSK, Frequency: 2595 MHz								
119.60	H	29.34	-82.76	0.00	0.21	-82.97	-25.00	57.97
79.24	V	30.03	-78.10	-0.38	0.16	-78.64	-25.00	53.64
5190.000	H	38.66	-55.41	11.31	1.44	-45.54	-25.00	20.54
5190.000	V	35.46	-58.46	11.31	1.44	-48.59	-25.00	23.59
7785.000	H	34.47	-55.02	10.84	1.99	-46.17	-25.00	21.17
7785.000	V	34.82	-55.10	10.84	1.99	-46.25	-25.00	21.25
5MHz QPSK, Frequency: 2652.5 MHz								
256.08	H	29.46	-82.30	0.00	0.30	-82.60	-25.00	57.60
78.96	V	20.60	-87.36	-0.52	0.16	-88.04	-25.00	63.04
5305.000	H	39.14	-54.30	11.38	1.46	-44.38	-25.00	19.38
5305.000	V	36.64	-56.54	11.38	1.46	-46.62	-25.00	21.62
7957.500	H	35.22	-53.20	10.81	2.09	-44.48	-25.00	19.48
7957.500	V	34.94	-53.93	10.81	2.09	-45.21	-25.00	20.21

Note:

- 1) The unit of Antenna Gain is dBd for frequency below 1GHz, and the unit of Antenna Gain is dBi for frequency above 1GHz.
- 2) Absolute Level = Substituted Level - Cable loss + Antenna Gain
- 3) Margin = Limit-Absolute Level

5. EUT PHOTOGRAPHS

Please refer to the attachment CR231168756-EXP EUT EXTERNAL PHOTOGRAPHS and
CR231168756-INP EUT INTERNAL PHOTOGRAPHS

6. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR231168756-00F-TSP TEST SETUP PHOTOGRAPHS.

==== END OF REPORT =====