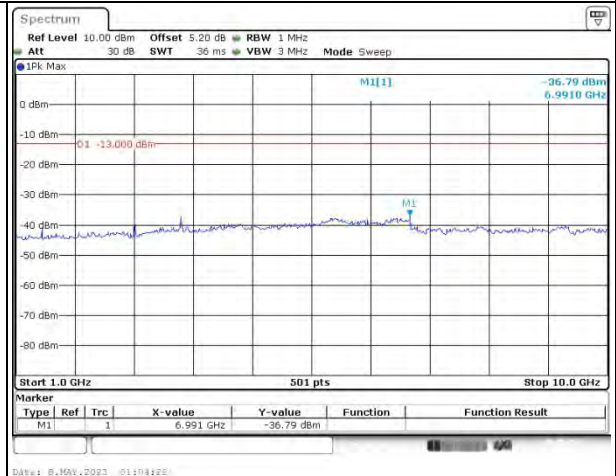
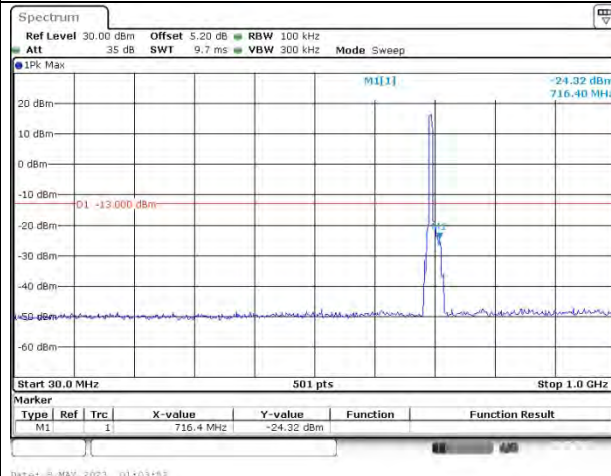


Spurious Emissions at Antenna Terminal

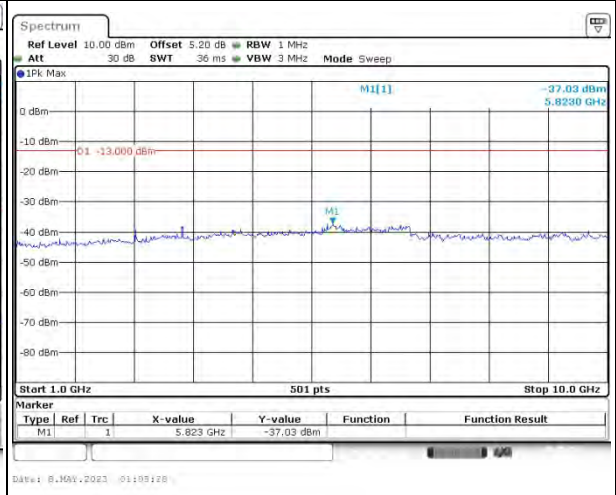
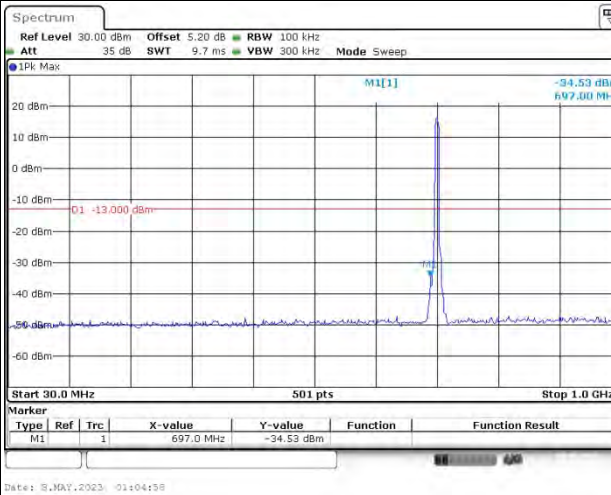
Channel

5MHz Bandwidth QPSK

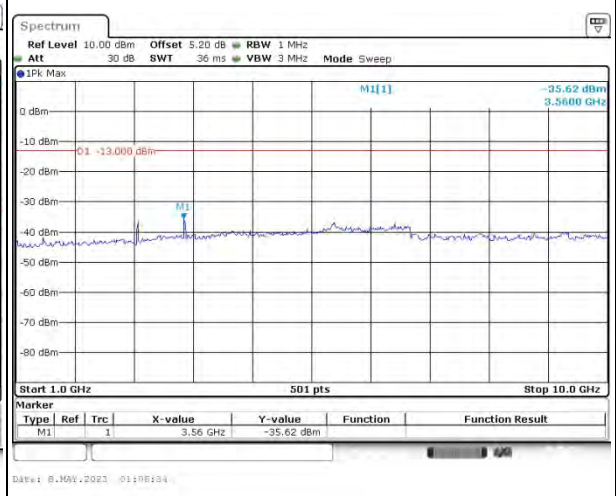
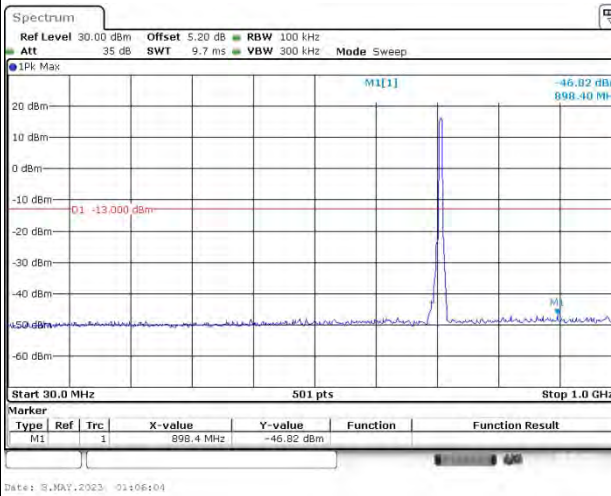
Lowest



Middle



Highest

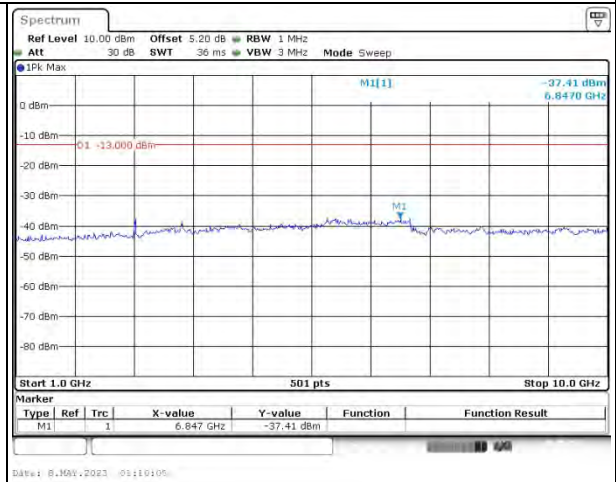
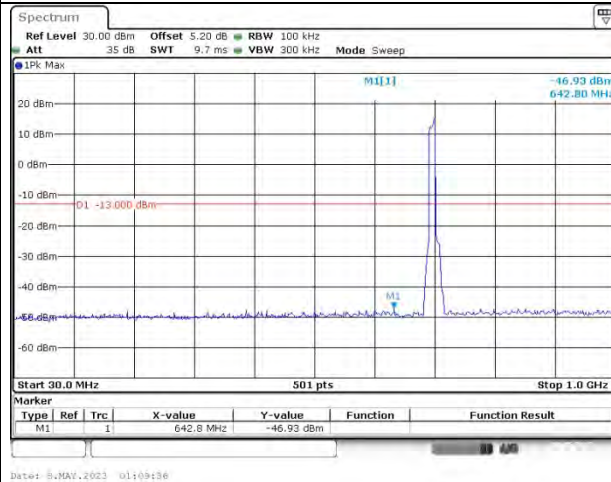


Spurious Emissions at Antenna Terminal

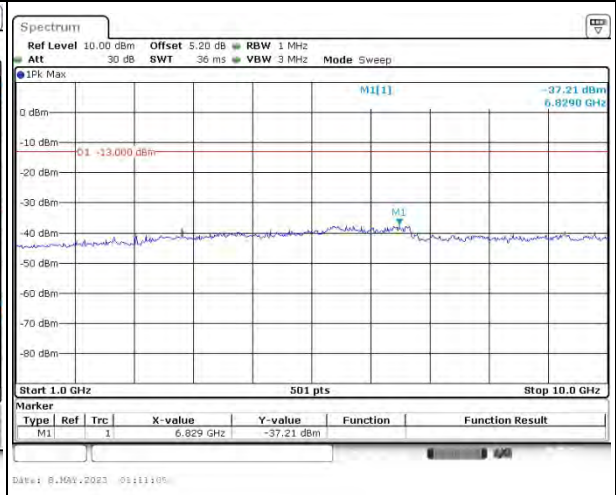
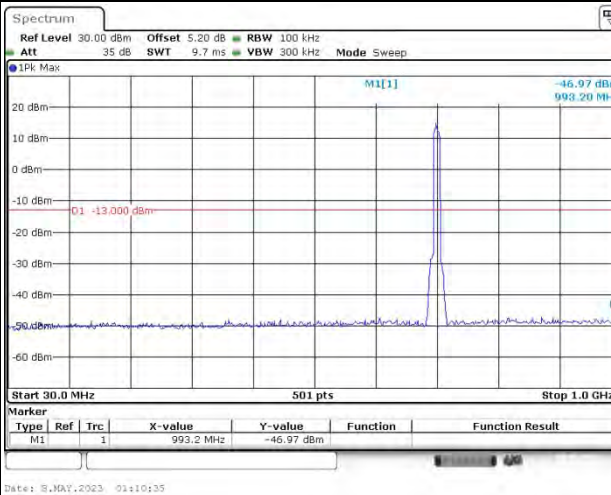
Channel

10MHz Bandwidth QPSK

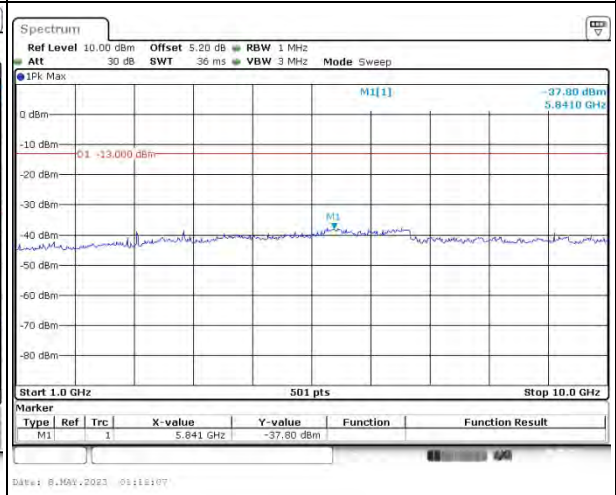
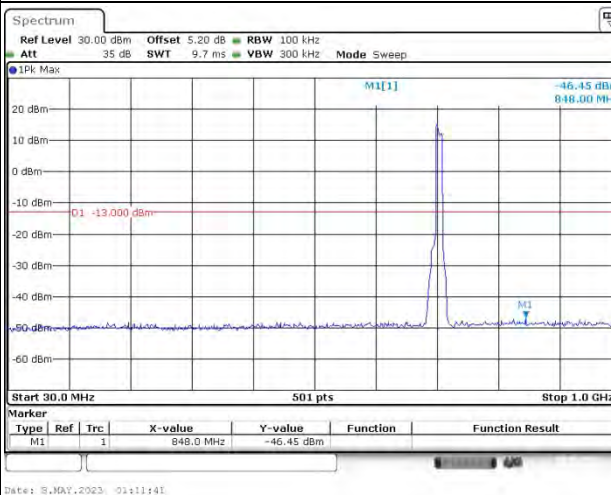
Lowest



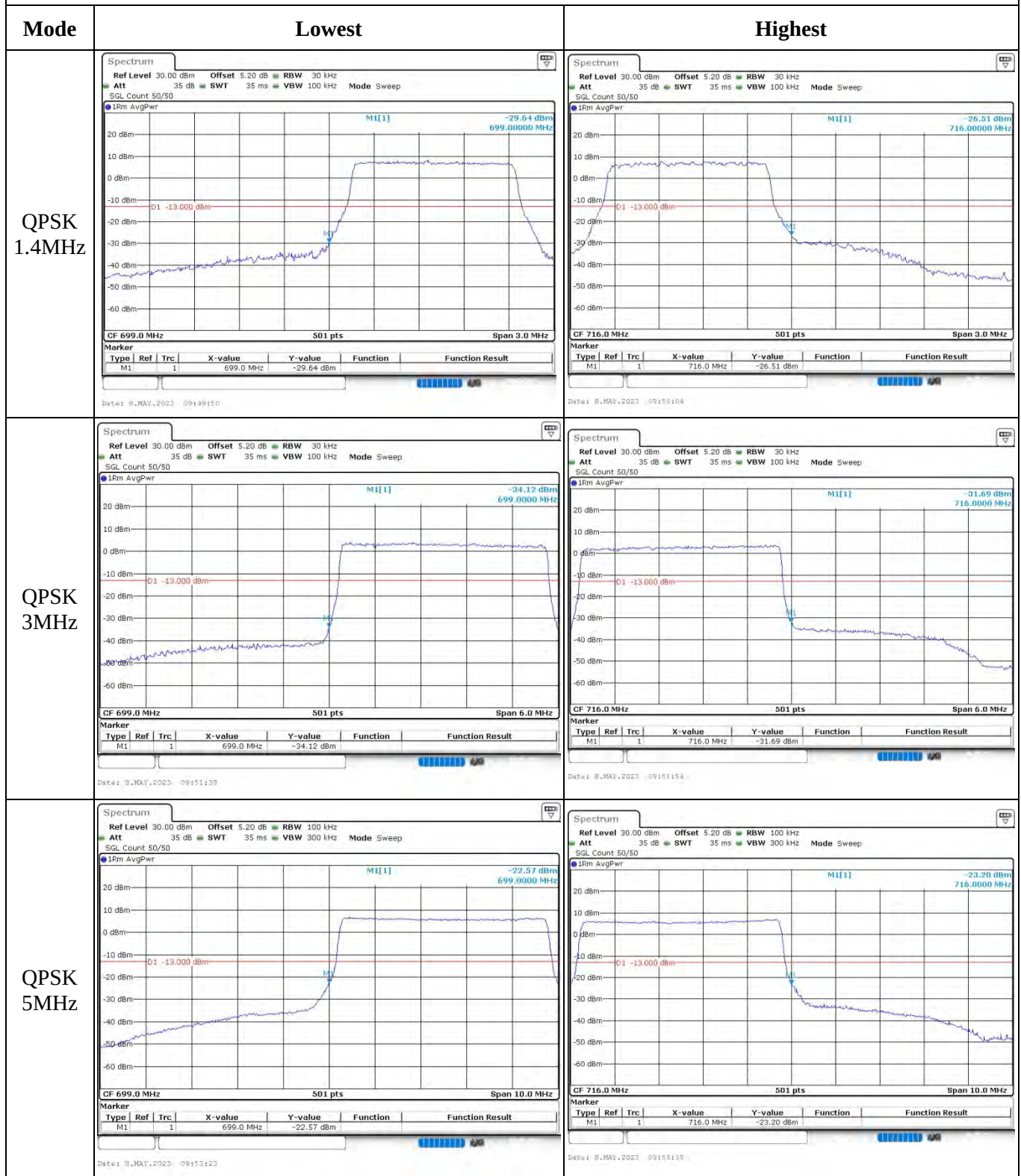
Middle



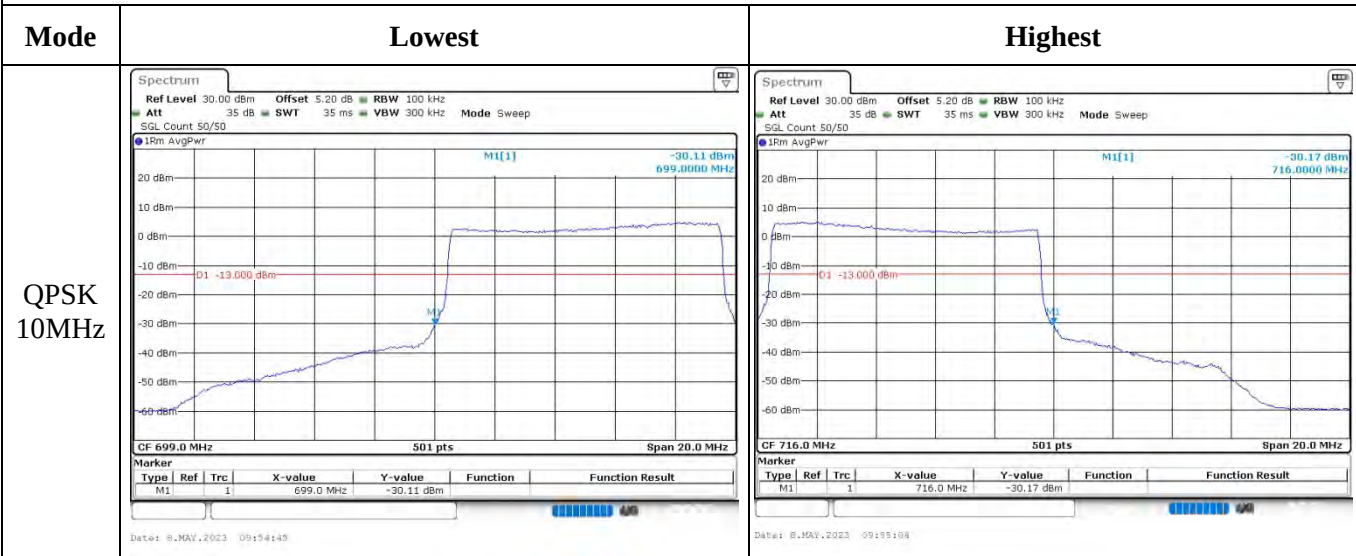
Highest



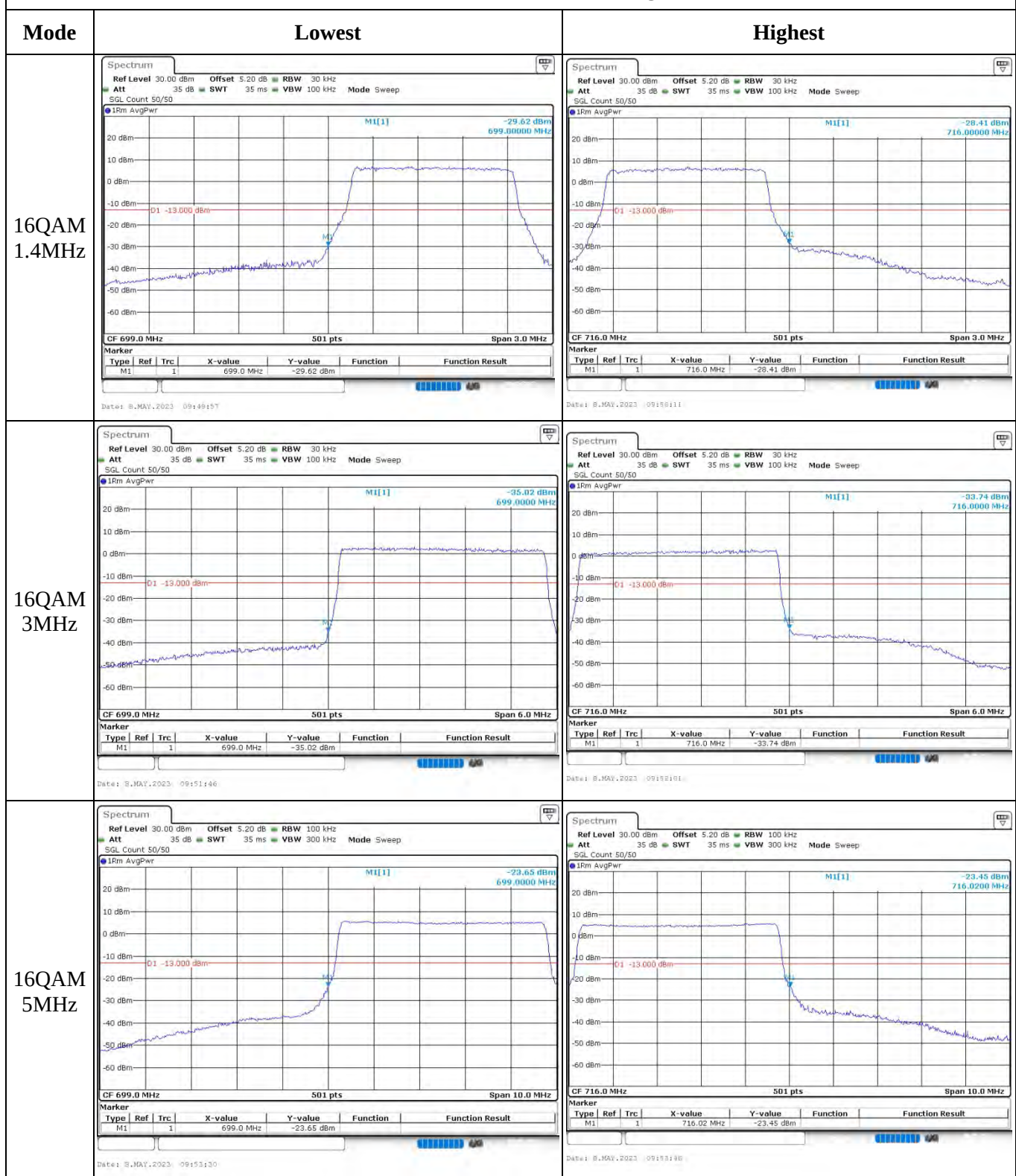
Out of band emission, Band Edge



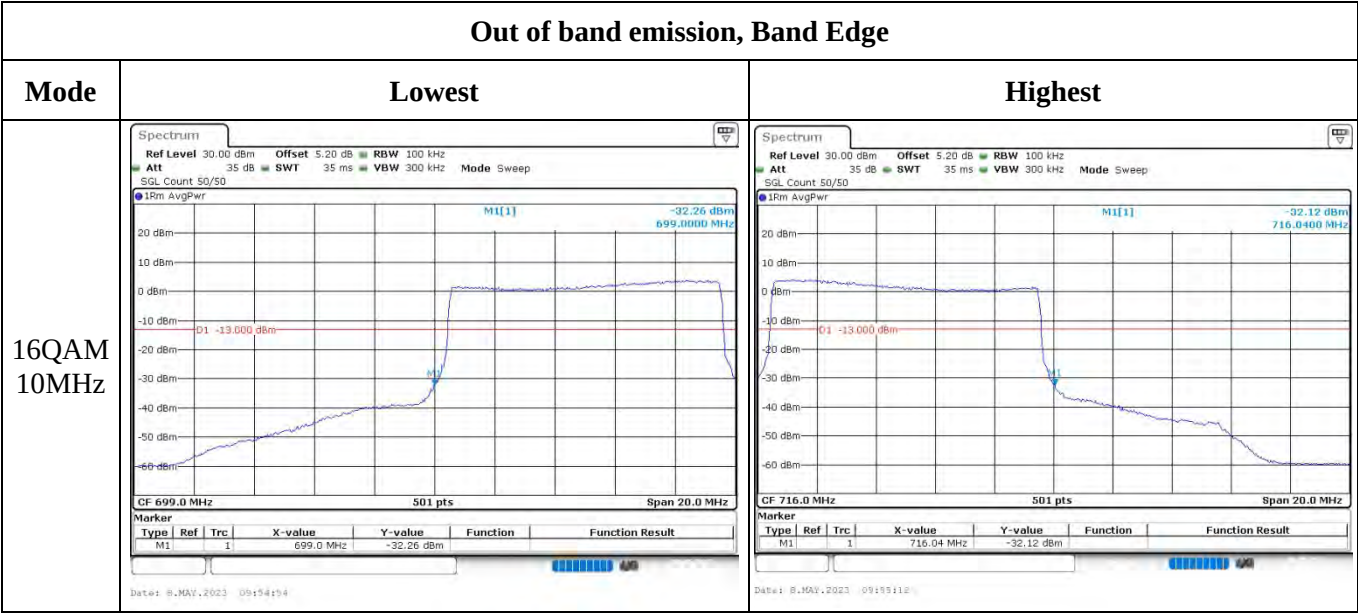
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.11 Antenna Port Test Data and Results for LTE Band 17

Serial Number:	250W-1	Test Date:	2023/5/6~2023/5/17
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2~26.1	Relative Humidity: (%)	39~58	ATM Pressure: (kPa)	100.5~102.3
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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	2022-07-15	2023-07-14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-09-29	2023-09-28
UNI-T	Multimeter	UT39A+	C210582554	N/A	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	2022-07-15	2023-07-14

* 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	706.5	710	713.5
10MHz	709	710	711

Test Data:**FCC§2.1046;§ 27.50(c) (10)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	20.14	20.06	20.05	15.16	34.77
	RB1#13	20.21	20.14	20.17		
	RB1#24	20.12	20.07	20.04		
	RB15#0	19.03	19.38	19.21		
	RB15#10	19.15	19.08	19.31		
	RB25#0	19.11	19.18	19.24		
5MHz 16QAM	RB1#0	19.42	19.14	19	14.42	34.77
	RB1#13	19.47	19.26	19.08		
	RB1#24	19.42	19.15	18.95		
	RB15#0	18.07	18.47	18.29		
	RB15#10	18.18	18.16	18.42		
	RB25#0	18.11	18.31	18.37		
10MHz QPSK	RB1#0	20.2	20.23	20.22	15.3	34.77
	RB1#25	20.35	20.34	20.34		
	RB1#49	20.21	20.19	20.26		
	RB25#0	19.18	19.38	19.58		
	RB25#25	19.13	19.2	19.38		
	RB50#0	19.16	19.34	19.5		
10MHz 16QAM	RB1#0	19.76	19.35	19.18	14.89	34.77
	RB1#25	19.94	19.52	19.4		
	RB1#49	19.81	19.41	19.2		
	RB25#0	18.29	18.47	18.68		
	RB25#25	18.21	18.3	18.55		
	RB50#0	18.26	18.37	18.57		

Note:

ERP= Conducted Power(dBm) - Lc(dB) + G_T(dBd)G_T(dBd)=G_T(dBi)-2.15**Result:****Pass****Peak-to-average Ratio(PAR)**

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	4.81	4.43	4.46	13
	RB50#0	5.04	5.13	5.22	13
10MHz 16QAM	RB1#0	5.8	5.16	5.36	13
	RB50#0	6.03	6.06	6.06	13
Result:					Pass

FCC §2.1049, §27.53:Occupied Bandwidth

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
5MHz QPSK	4.531	4.531	4.551	5.88	5.14	5.22
5MHz 16QAM	4.511	4.531	4.531	5.66	5.2	5.3
10MHz QPSK	8.982	8.942	8.982	9.92	9.72	9.92
10MHz 16QAM	8.942	8.942	8.982	9.8	9.72	9.96
Note: The test plots please refer to the Plots of Occupied Bandwidth						

FCC §2.1051, §27.53:Spurious Emissions at Antenna Terminal

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

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

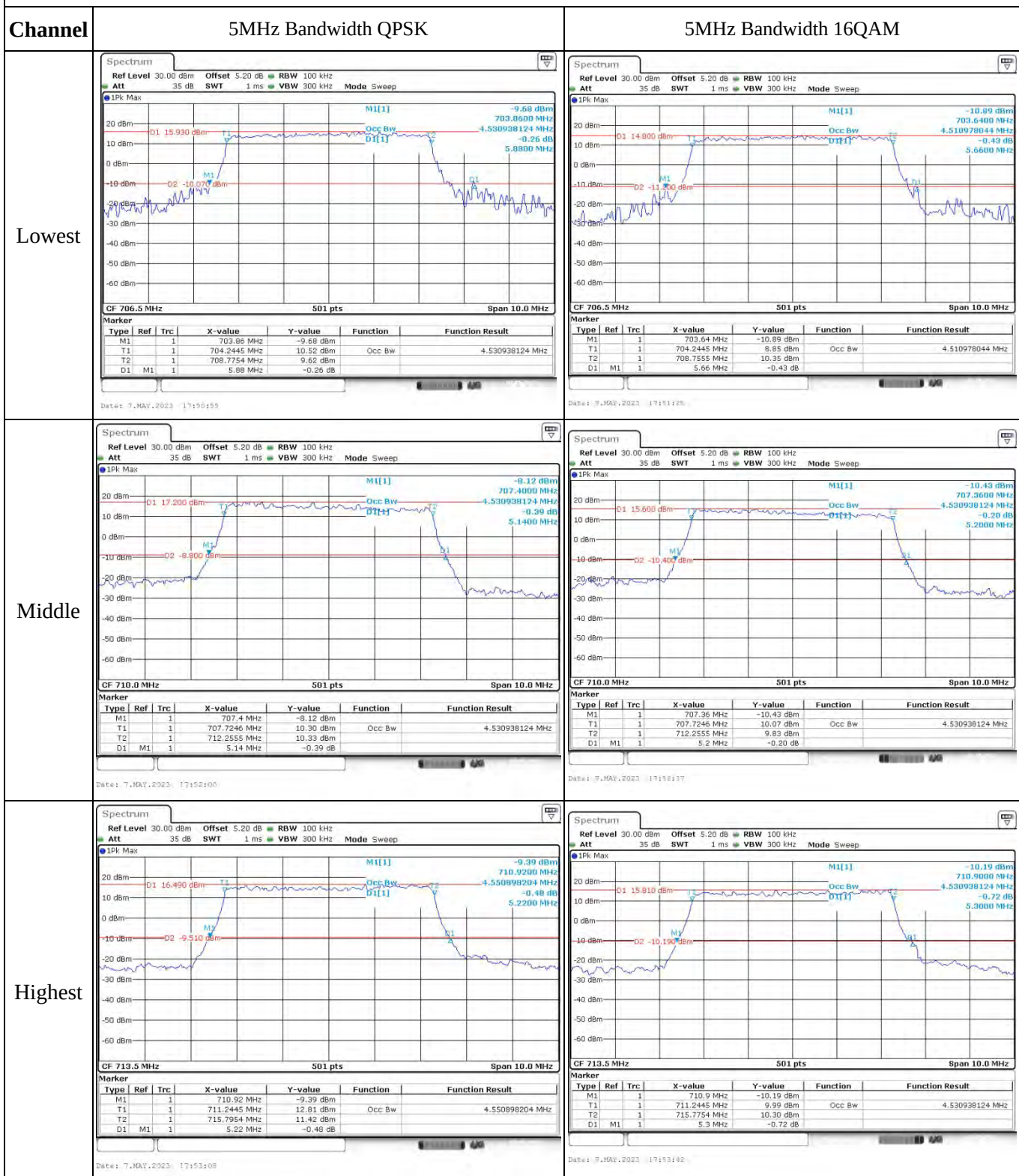
Test Mode:	10M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	704.471	704.00	715.508	716.00
	-20	3.85	704.418	704.00	715.472	716.00
	-10	3.85	704.496	704.00	715.472	716.00
	0	3.85	704.452	704.00	715.480	716.00
	10	3.85	704.408	704.00	715.470	716.00
	20	3.85	704.489	704.00	715.471	716.00
	30	3.85	704.488	704.00	715.514	716.00
	40	3.85	704.406	704.00	715.431	716.00
Frequency Stability vs. Voltage	50	3.85	704.441	704.00	715.500	716.00
	20	3.5	704.410	704.00	715.466	716.00
	20	4.4	704.419	704.00	715.478	716.00
Result:					Pass	

Test Mode:	10M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	704.501	704.00	715.495	716.00
	-20	3.85	704.539	704.00	715.498	716.00
	-10	3.85	704.596	704.00	715.495	716.00
	0	3.85	704.520	704.00	715.509	716.00

	10	3.85	704.539	704.00	715.423	716.00
	20	3.85	704.529	704.00	715.471	716.00
	30	3.85	704.528	704.00	715.466	716.00
	40	3.85	704.544	704.00	715.501	716.00
	50	3.85	704.582	704.00	715.510	716.00
Frequency Stability vs. Voltage	20	3.5	704.593	704.00	715.503	716.00
	20	4.4	704.556	704.00	715.478	716.00
					Result:	Pass

Test Plots(Note: The 5.2 dB is the Insertion loss of the RF cable and Power Splitter, which was offset into the Spectrum Analyzer):

Occupied Bandwidth



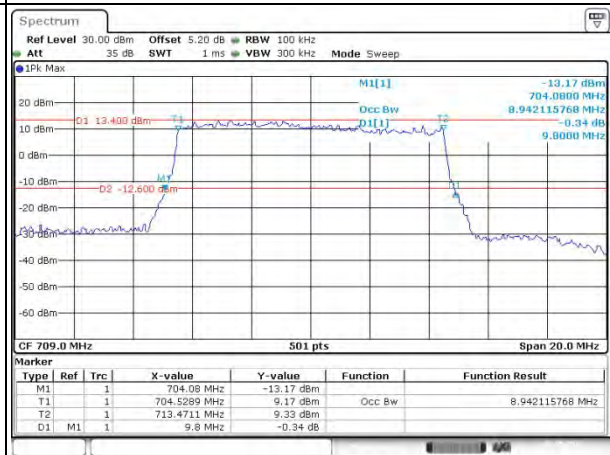
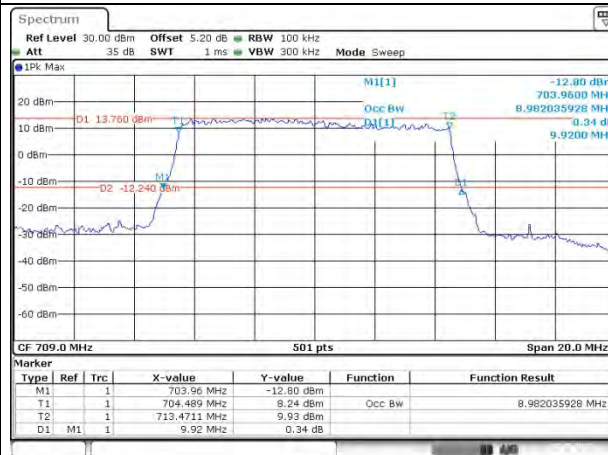
Occupied Bandwidth

Channel

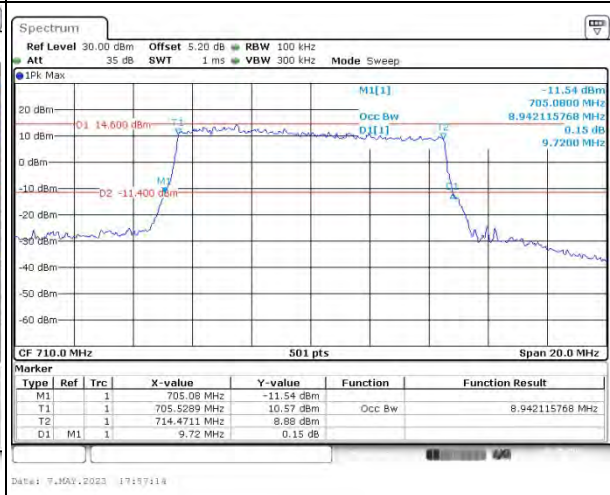
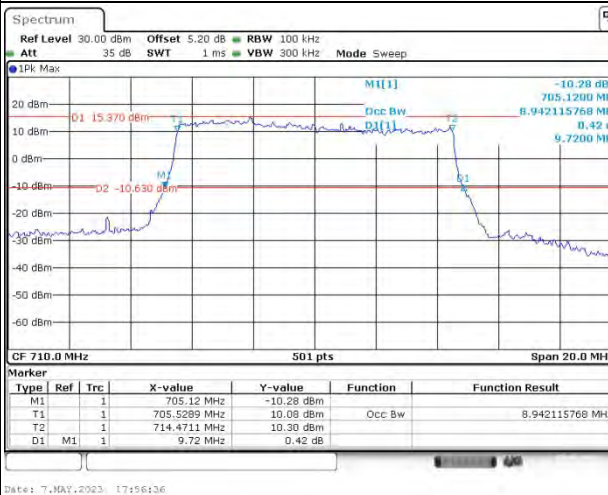
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

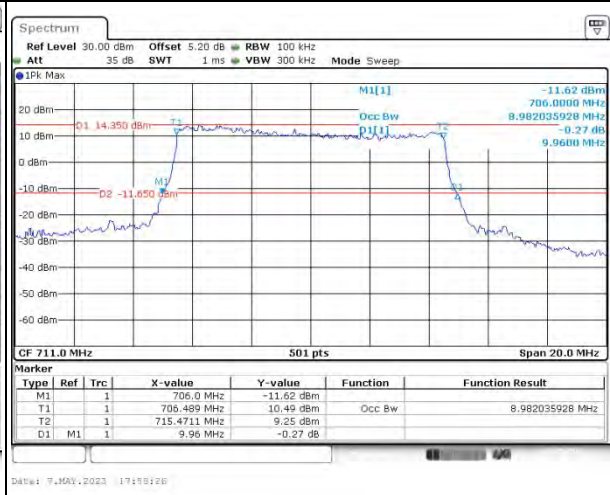
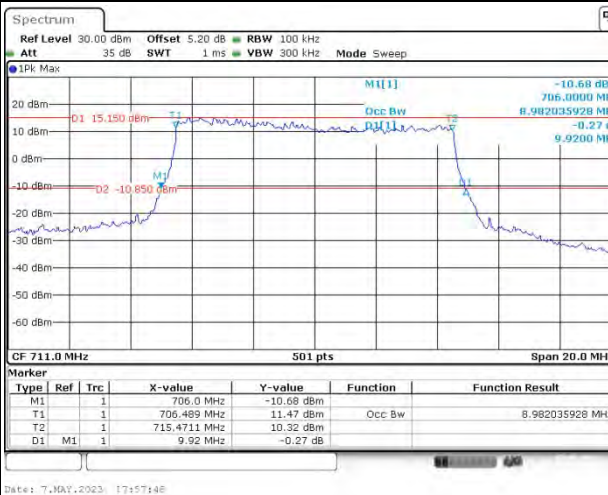
Lowest



Middle



Highest

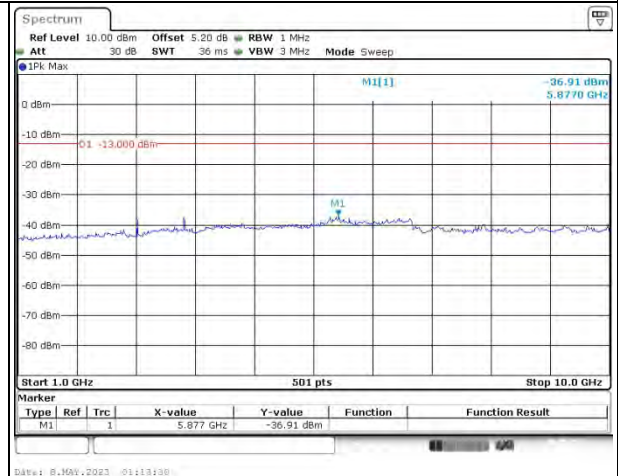
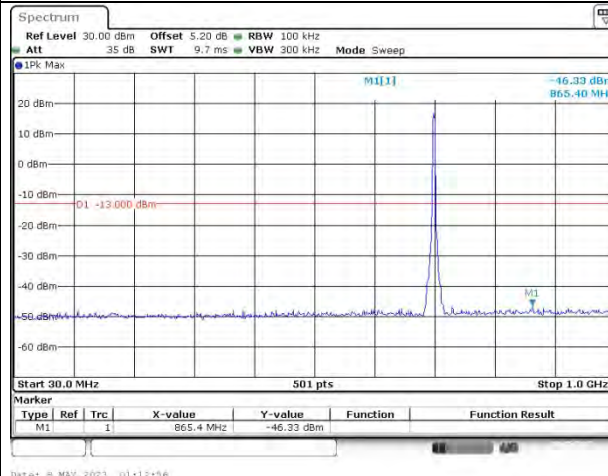


Spurious Emissions at Antenna Terminal

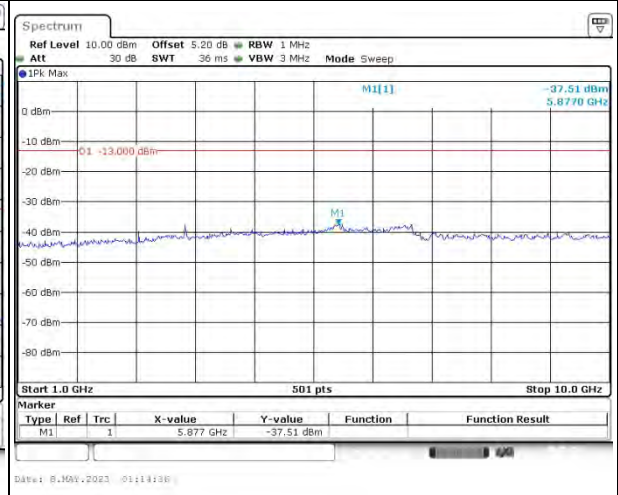
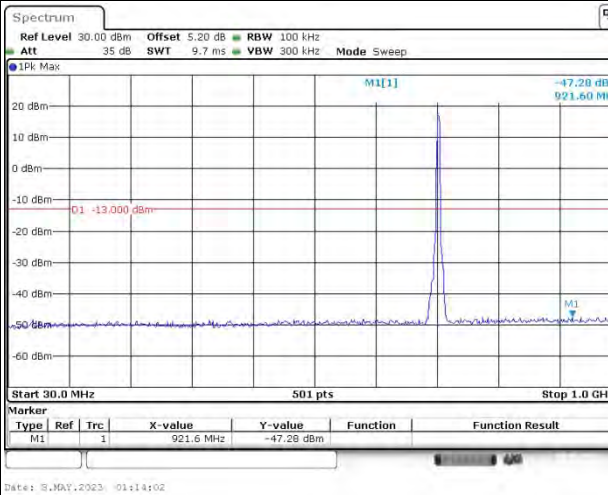
Channel

5MHz Bandwidth QPSK

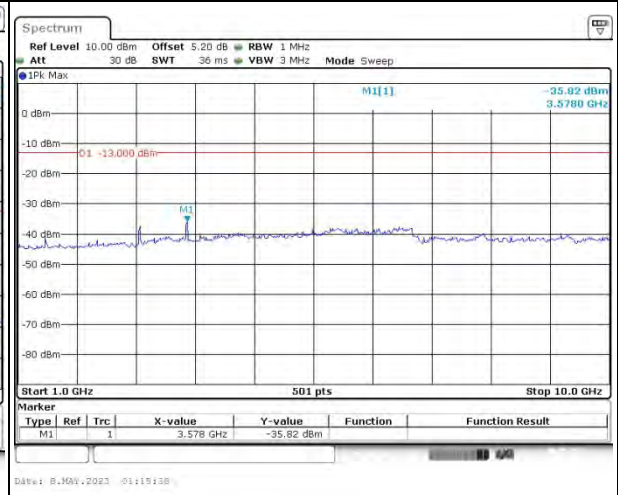
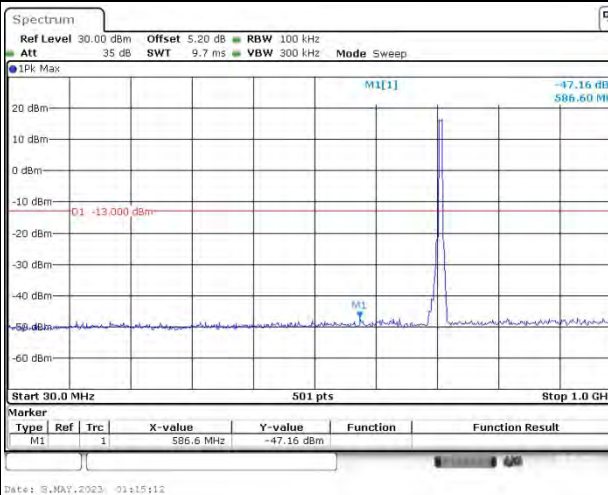
Lowest



Middle



Highest

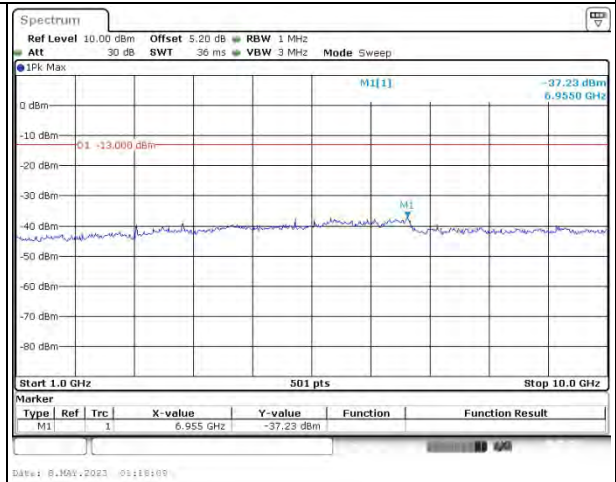
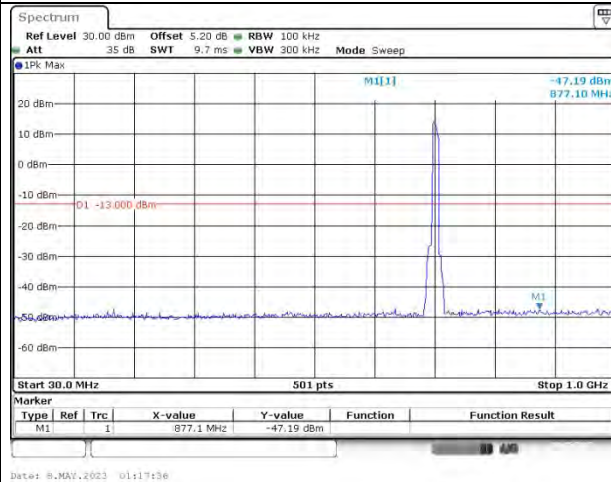


Spurious Emissions at Antenna Terminal

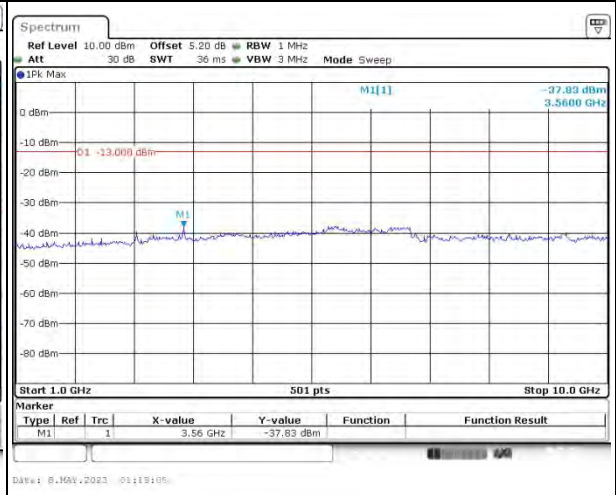
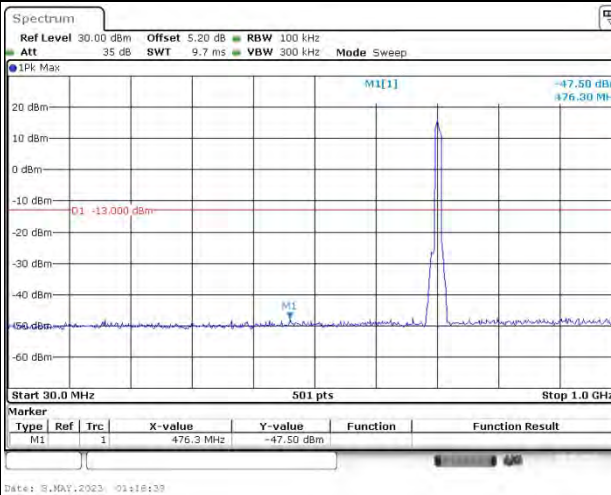
Channel

10MHz Bandwidth QPSK

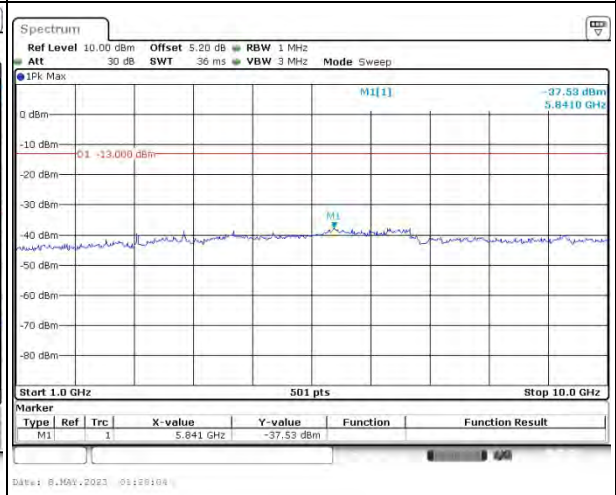
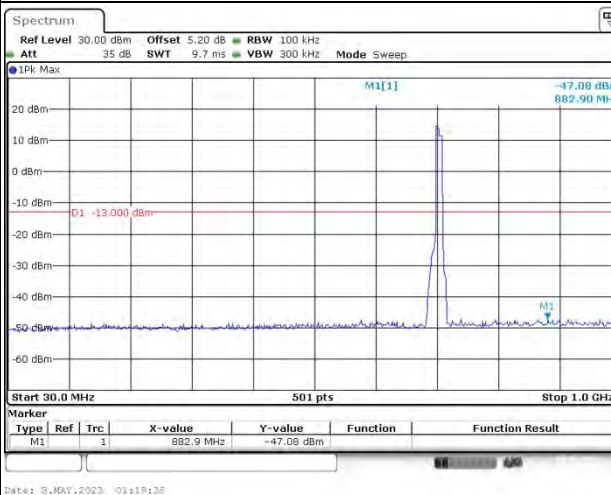
Lowest



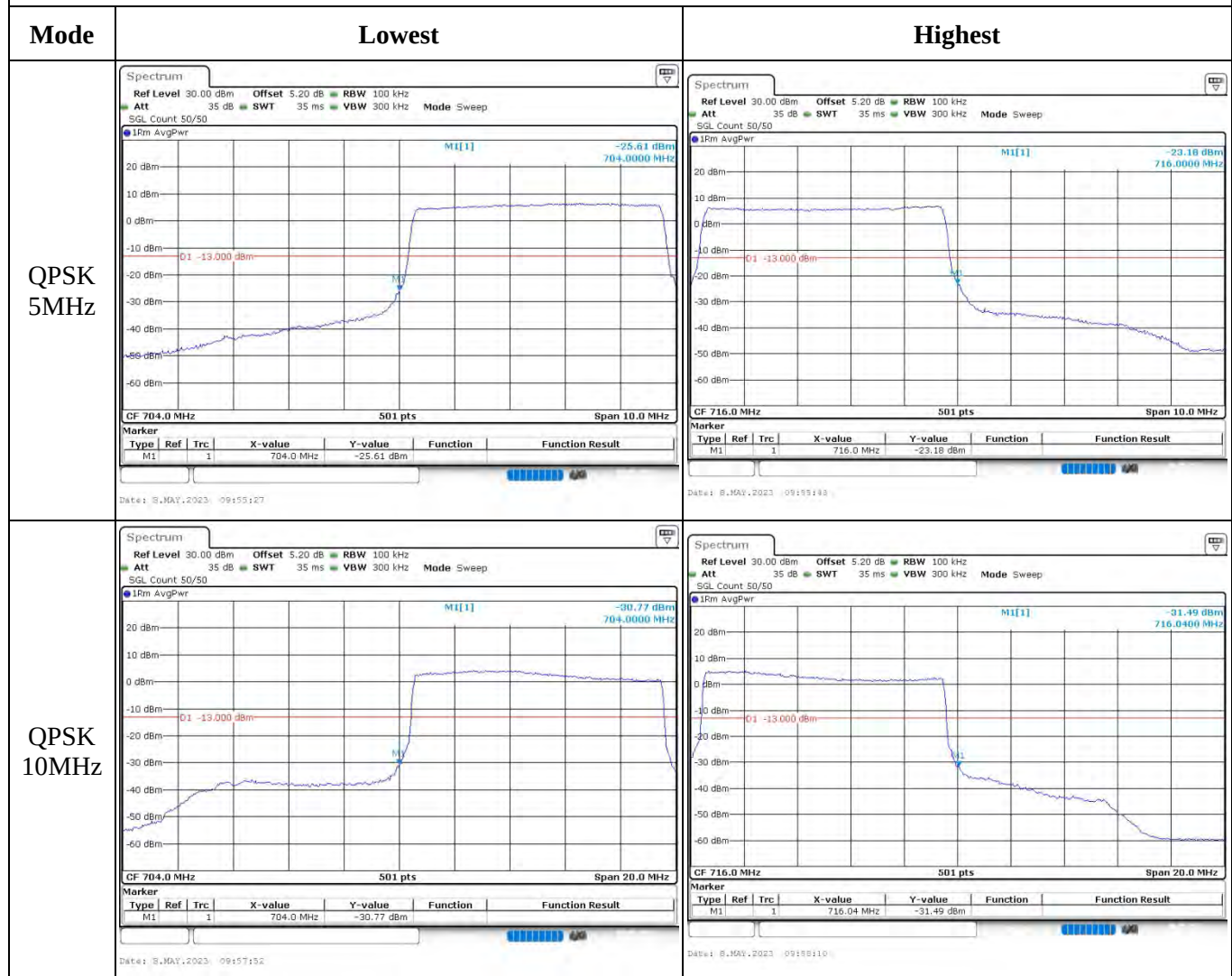
Middle



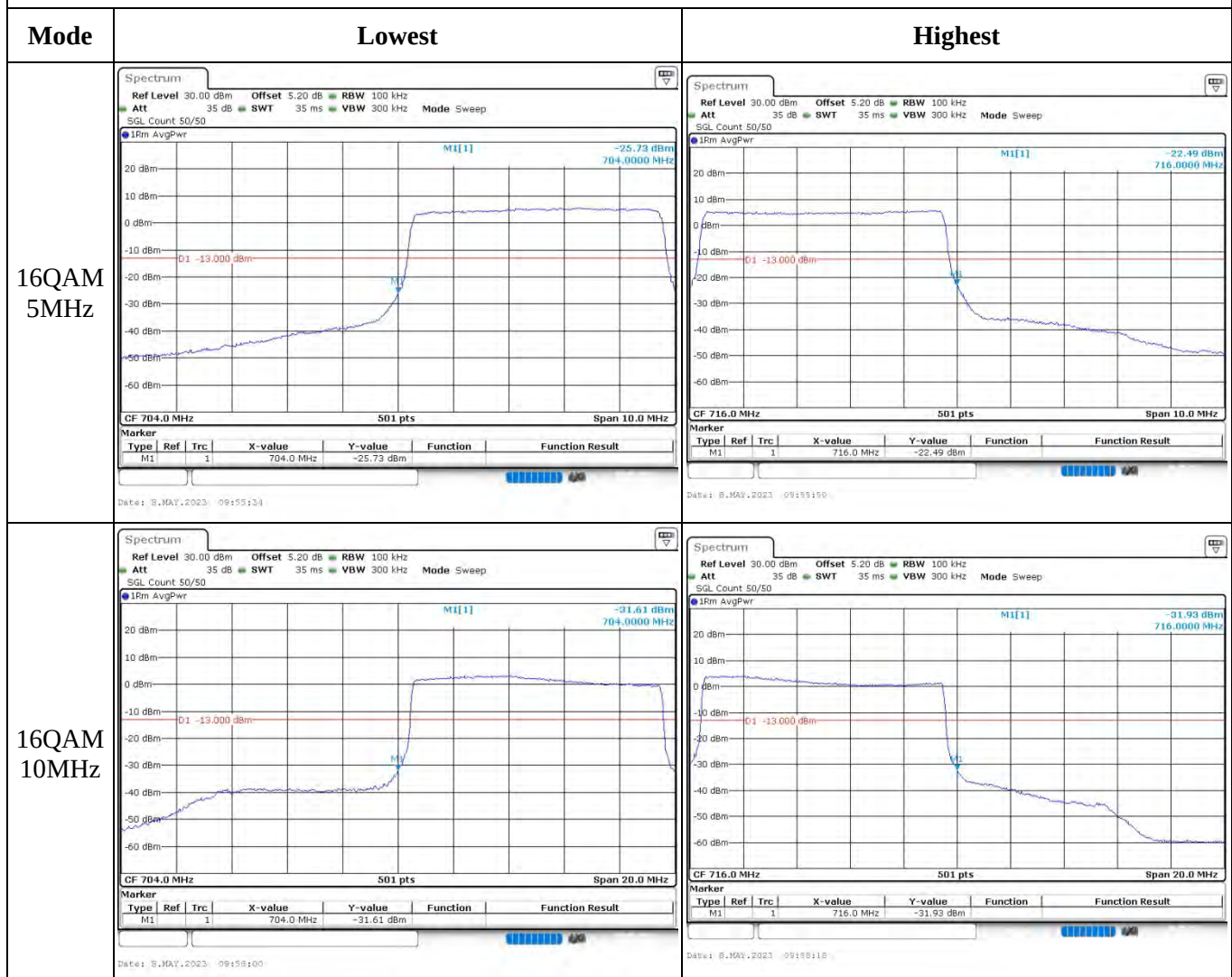
Highest



Out of band emission, Band Edge



Out of band emission, Band Edge



4.12 Antenna Port Test Data and Results for LTE Band 25

Serial Number:	250W-1	Test Date:	2023/5/6~2023/5/17
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2~26.1	Relative Humidity: (%)	39~58	ATM Pressure: (kPa)	100.5~102.3
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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	2022-07-15	2023-07-14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-09-29	2023-09-28
UNI-T	Multimeter	UT39A+	C210582554	N/A	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	2022-07-15	2023-07-14

* 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	1850.7	1882.5	1914.3
3MHz	1851.5	1882.5	1913.5
5MHz	1852.5	1882.5	1912.5
10MHz	1855	1882.5	1910
15MHz	1857.5	1882.5	1907.5
20MHz	1860	1882.5	1905

Test Data:**FCC§2.1046;§ 24.232****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	23.05	22.88	22.61	24.22	33
	RB1#3	23.18	23.11	22.35		
	RB1#5	23.06	22.89	22.12		
	RB3#0	23.07	22.86	21.9		
	RB3#3	23.1	22.74	21.87		
	RB6#0	22.17	21.81	21.14		
1.4MHz 16QAM	RB1#0	22.19	21.87	20.84	23.35	33
	RB1#3	22.31	22.09	21.01		
	RB1#5	22.16	21.89	20.85		
	RB3#0	22.06	21.98	21.02		
	RB3#3	22.13	21.91	21.04		
	RB6#0	21.12	20.95	20.11		
3MHz QPSK	RB1#0	23.09	22.98	22.64	24.14	33
	RB1#8	23.1	22.98	22.72		
	RB1#14	23.09	22.97	22.28		
	RB6#0	22.11	21.95	21.16		
	RB6#9	22.11	21.92	21.24		
	RB15#0	22.11	22	21.12		
3MHz 16QAM	RB1#0	22.6	22.13	21.25	23.67	33
	RB1#8	22.63	22.09	21.16		
	RB1#14	22.62	22.06	21.03		
	RB6#0	21.17	21	20.2		
	RB6#9	21.19	21.04	20.17		
	RB15#0	21.17	20.96	20.49		
5MHz QPSK	RB1#0	23.01	22.94	22.51	24.21	33
	RB1#13	23.17	23.06	22.66		
	RB1#24	23.07	22.92	22.15		
	RB15#0	22.19	22.05	21.21		
	RB15#10	22.22	21.98	21.25		
	RB25#0	22.16	22.02	21.48		
5MHz 16QAM	RB1#0	21.93	22.22	21.21	23.35	33
	RB1#13	22.11	22.31	21.31		
	RB1#24	21.98	22.18	21.04		
	RB15#0	21.22	21.1	20.35		
	RB15#10	21.26	21.03	20.33		
	RB25#0	21.25	21.05	20.53		
10MHz QPSK	RB1#0	23.05	22.99	22.55	24.29	33
	RB1#25	23.25	23.12	22.44		
	RB1#49	23.05	22.92	22.16		

	RB25#0	22.15	22.02	21.16		
	RB25#25	22.22	21.89	21.03		
	RB50#0	22.2	21.82	21.24		
10MHz 16QAM	RB1#0	22.23	21.94	21.62	23.47	33
	RB1#25	22.43	22.11	21.84		
	RB1#49	22.22	21.83	21.34		
	RB25#0	21.14	21.07	20.34		
	RB25#25	21.24	21.07	20.25		
	RB50#0	21.18	21.01	20.49		
15MHz QPSK	RB1#0	22.95	22.89	22.56	24.10	33
	RB1#38	23.06	22.95	22.31		
	RB1#74	23.02	22.49	22.09		
	RB36#0	22.14	21.73	21.27		
	RB36#39	22.25	21.78	21.22		
	RB75#0	22.2	21.61	21.25		
15MHz 16QAM	RB1#0	22.49	21.81	21.4	23.63	33
	RB1#38	22.59	22.09	21.6		
	RB1#74	22.49	21.58	21.1		
	RB36#0	21.11	20.84	20.27		
	RB36#39	21.22	20.98	20.21		
	RB75#0	21.18	21	20.51		
20MHz QPSK	RB1#0	22.79	22.72	22.32	24.26	33
	RB1#50	23.22	23.01	22.36		
	RB1#99	22.86	22.23	21.85		
	RB50#0	21.98	21.85	21.24		
	RB50#50	22.15	21.6	21.08		
	RB100#0	22.08	21.61	21.17		
20MHz 16QAM	RB1#0	22.01	21.86	21.27	23.44	33
	RB1#50	22.4	22.39	21.51		
	RB1#99	22.02	21.73	21		
	RB50#0	20.98	20.94	20.31		
	RB50#50	21.14	20.65	20.34		
	RB100#0	21.07	20.9	20.33		

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	3.88	4.09	3.74	13
	RB100#0	4.87	4.96	4.49	13
20MHz 16QAM	RB1#0	4.87	4.93	4.67	13
	RB100#0	5.83	5.91	5.51	13
				Result:	Pass

FCC §2.1049, §24.238:Occupied Bandwidth

Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
1.4MHz QPSK	1.102	1.102	1.12	1.302	1.29	2.034
1.4MHz 16QAM	1.096	1.096	1.108	1.284	1.29	1.578
3MHz QPSK	2.683	2.695	2.683	2.88	2.88	2.988
3MHz 16QAM	2.683	2.683	2.683	2.892	2.88	2.88
5MHz QPSK	4.511	4.531	4.551	5.2	5.16	5.2
5MHz 16QAM	4.551	4.551	4.511	5.2	5.24	5.16
10MHz QPSK	8.942	8.982	8.982	10.12	9.92	10
10MHz 16QAM	8.982	8.982	8.942	9.84	9.96	9.72
15MHz QPSK	13.593	13.533	13.533	15.24	15.12	15.3
15MHz 16QAM	13.533	13.533	13.533	15.18	15.12	15.24
20MHz QPSK	17.964	17.964	17.964	19.6	19.68	19.92
20MHz 16QAM	18.044	18.044	17.964	19.76	19.92	19.76

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

FCC §2.1051, § 24.238 (a):Spurious Emissions at Antenna Terminal

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

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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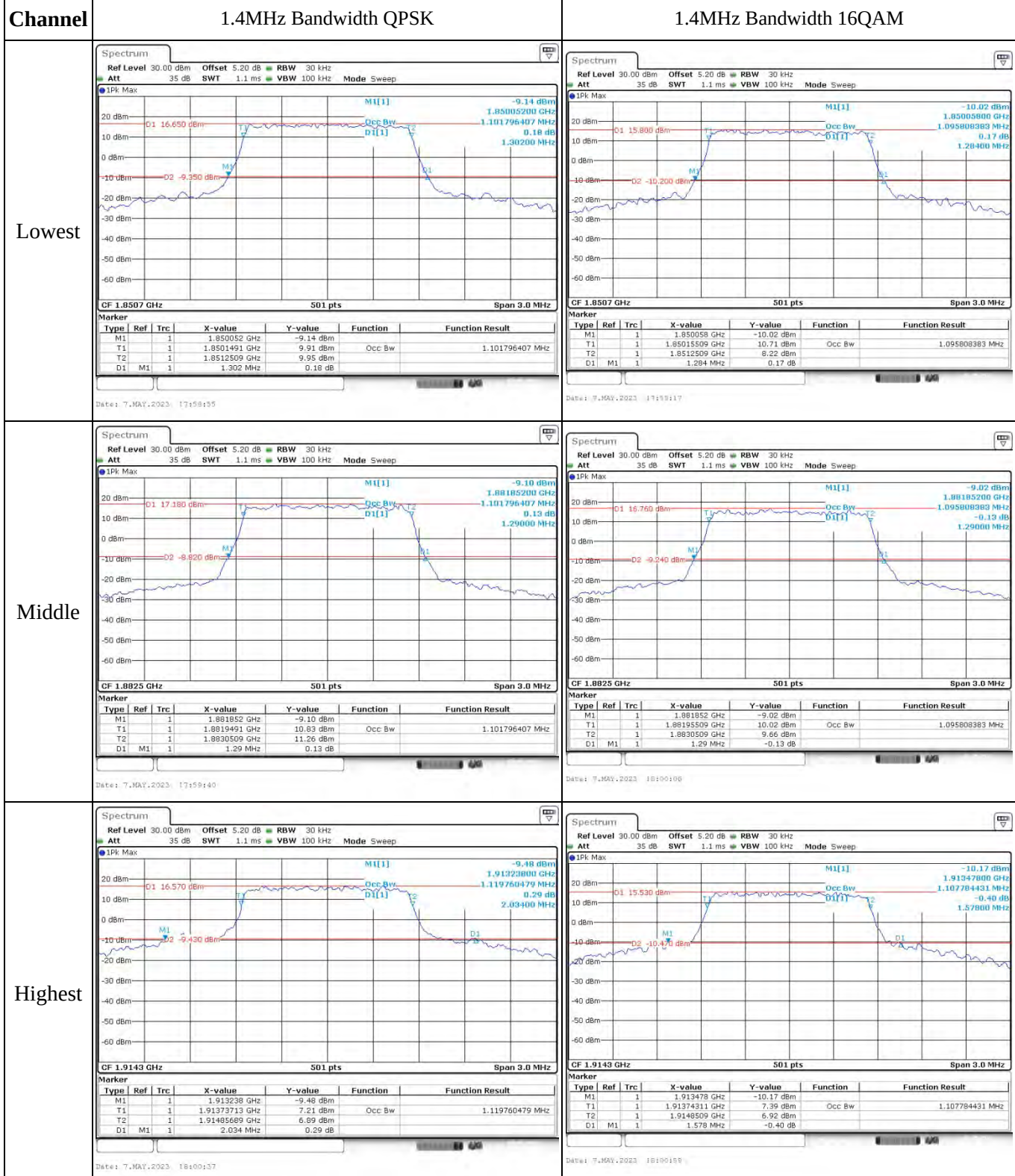
FCC §2.1055, §24.235: Frequency Stability

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	3.85	1851.045	1850.000	1913.900	1915.000
	-20	3.85	1851.065	1850.000	1913.948	1915.000
	-10	3.85	1851.039	1850.000	1913.951	1915.000
	0	3.85	1851.028	1850.000	1913.968	1915.000
	10	3.85	1851.047	1850.000	1913.934	1915.000
	20	3.85	1851.058	1850.000	1913.942	1915.000
	30	3.85	1851.020	1850.000	1913.987	1915.000
	40	3.85	1851.091	1850.000	1913.996	1915.000
	50	3.85	1851.060	1850.000	1913.972	1915.000
Frequency Stability vs. Voltage	20	3.5	1851.044	1850.000	1913.947	1915.000
	20	4.4	1851.048	1850.000	1913.970	1915.000
					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	3.85	1851.061	1850.000	1914.016	1915.000
	-20	3.85	1851.082	1850.000	1914.078	1915.000
	-10	3.85	1851.026	1850.000	1914.033	1915.000
	0	3.85	1851.063	1850.000	1914.028	1915.000
	10	3.85	1851.024	1850.000	1914.060	1915.000
	20	3.85	1851.058	1850.000	1914.022	1915.000
	30	3.85	1851.004	1850.000	1914.015	1915.000
	40	3.85	1851.067	1850.000	1914.001	1915.000
	50	3.85	1851.001	1850.000	1914.071	1915.000
Frequency Stability vs. Voltage	20	3.5	1851.041	1850.000	1914.060	1915.000
	20	4.4	1851.018	1850.000	1914.020	1915.000
					Result:	Pass

Test Plots(Note: The 5.2dB is the Insertion loss of the RF cable, Power Splitter and DC Block, which was offset into the Spectrum Analyzer):

Occupied Bandwidth



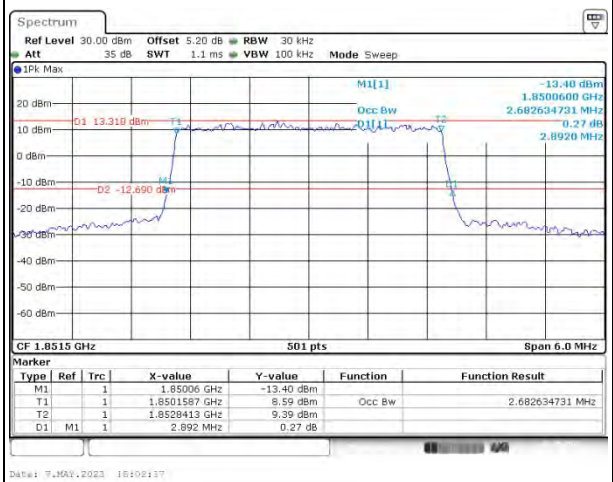
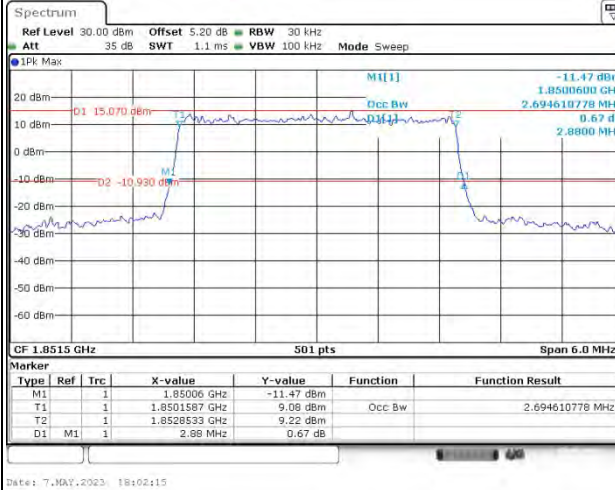
Occupied Bandwidth

Channel

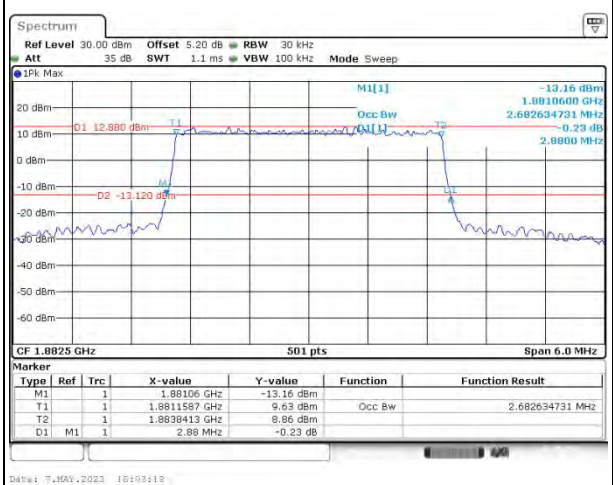
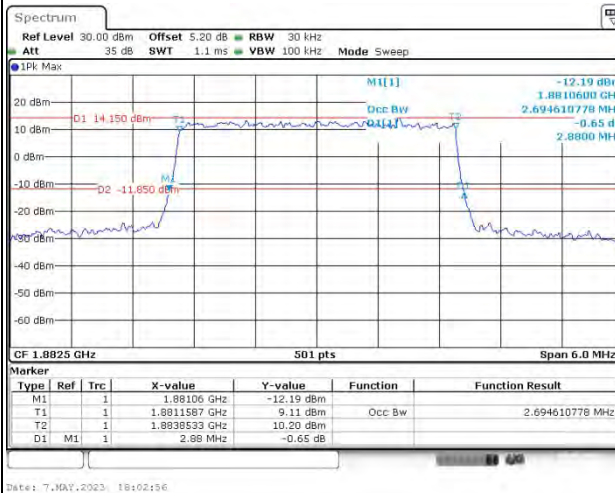
3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

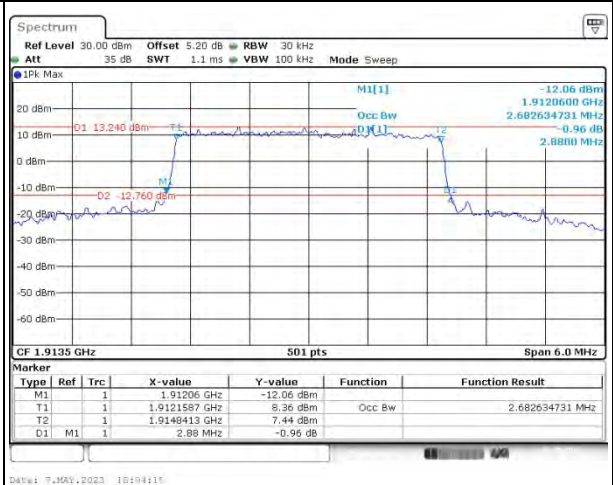
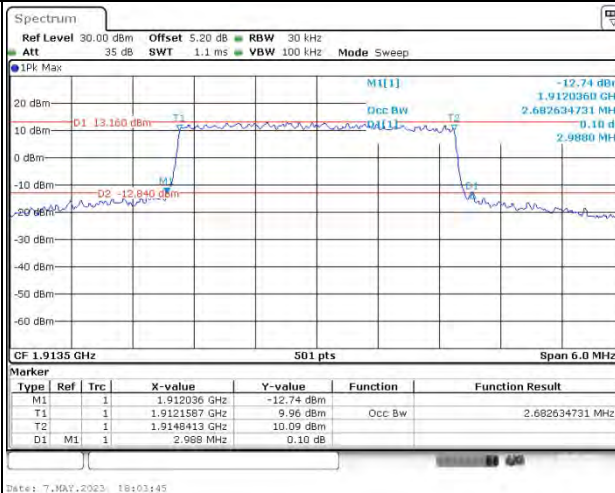
Lowest



Middle



Highest



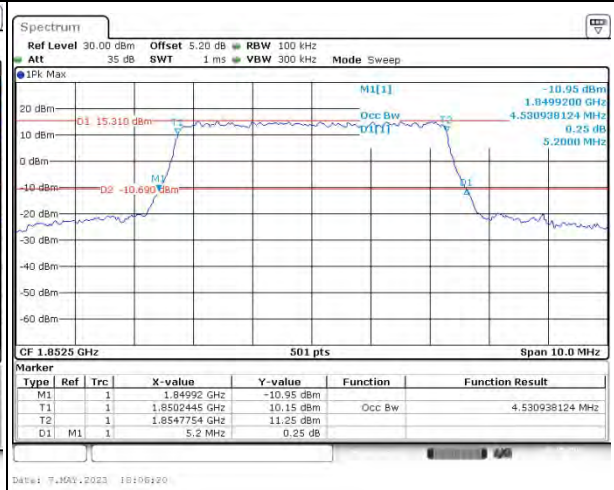
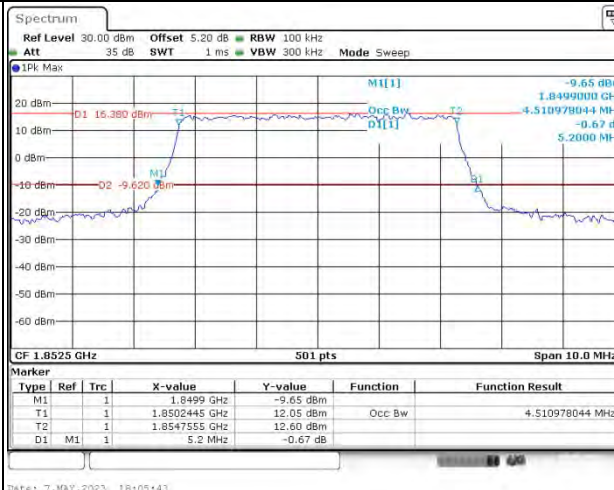
Occupied Bandwidth

Channel

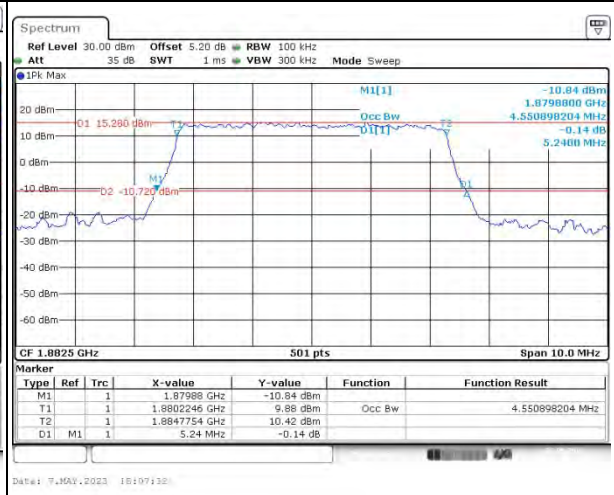
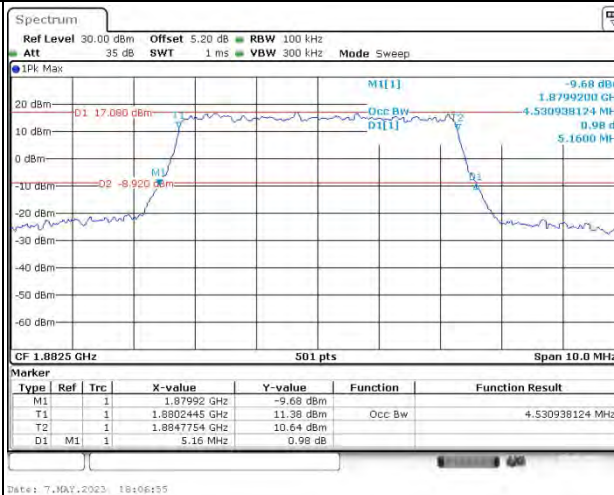
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

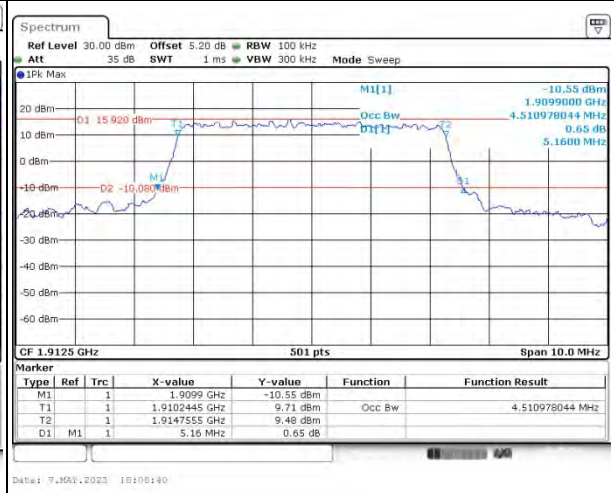
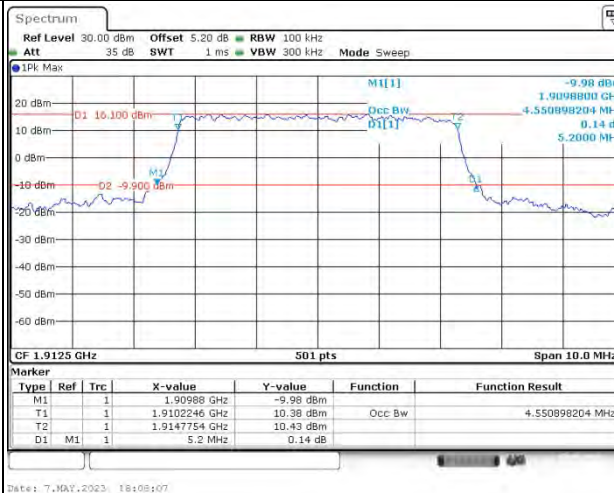
Lowest



Middle



Highest



Occupied Bandwidth

Channel	10MHz Bandwidth QPSK	10MHz Bandwidth 16QAM																																																																						
Lowest	CF 1.855 GHz 501 pts Span 20.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>1.84984 GHz</td><td>-19.17 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>1.8505289 GHz</td><td>10.27 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>1.8594711 GHz</td><td>10.62 dBm</td><td></td><td></td></tr><tr><td>D1</td><td>M1</td><td>1</td><td>10.12 MHz</td><td>1.64 dB</td><td></td><td></td></tr></table> Date: 7.MAY.2023 18:11:07	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.84984 GHz	-19.17 dBm			T1	1		1.8505289 GHz	10.27 dBm			T2	1		1.8594711 GHz	10.62 dBm			D1	M1	1	10.12 MHz	1.64 dB			CF 1.855 GHz 501 pts Span 20.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>1.85004 GHz</td><td>-14.31 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>1.8505289 GHz</td><td>9.93 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>1.8595111 GHz</td><td>8.87 dBm</td><td></td><td></td></tr><tr><td>D1</td><td>M1</td><td>1</td><td>9.84 MHz</td><td>2.62 dB</td><td></td><td></td></tr></table> Date: 7.MAY.2023 18:11:01	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.85004 GHz	-14.31 dBm			T1	1		1.8505289 GHz	9.93 dBm			T2	1		1.8595111 GHz	8.87 dBm			D1	M1	1	9.84 MHz	2.62 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																																																		
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Middle	CF 1.8825 GHz 501 pts Span 20.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>1.87754 GHz</td><td>-12.25 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>1.877989 GHz</td><td>10.43 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>1.8869711 GHz</td><td>10.16 dBm</td><td></td><td></td></tr><tr><td>D1</td><td>M1</td><td>1</td><td>9.92 MHz</td><td>0.71 dB</td><td></td><td></td></tr></table> Date: 7.MAY.2023 18:12:16	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.87754 GHz	-12.25 dBm			T1	1		1.877989 GHz	10.43 dBm			T2	1		1.8869711 GHz	10.16 dBm			D1	M1	1	9.92 MHz	0.71 dB			CF 1.8825 GHz 501 pts Span 20.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>1.8775 GHz</td><td>-13.19 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>1.877989 GHz</td><td>9.55 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>1.8869711 GHz</td><td>9.55 dBm</td><td></td><td></td></tr><tr><td>D1</td><td>M1</td><td>1</td><td>9.96 MHz</td><td>0.20 dB</td><td></td><td></td></tr></table> Date: 7.MAY.2023 18:12:16	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.8775 GHz	-13.19 dBm			T1	1		1.877989 GHz	9.55 dBm			T2	1		1.8869711 GHz	9.55 dBm			D1	M1	1	9.96 MHz	0.20 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																																																		
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D1	M1	1	9.96 MHz	0.20 dB																																																																				
Highest	CF 1.91 GHz 501 pts Span 20.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>1.90492 GHz</td><td>-12.39 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>1.905289 GHz</td><td>8.45 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>1.9144711 GHz</td><td>10.94 dBm</td><td></td><td></td></tr><tr><td>D1</td><td>M1</td><td>1</td><td>10.0 MHz</td><td>0.51 dB</td><td></td><td></td></tr></table> Date: 7.MAY.2023 18:13:24	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.90492 GHz	-12.39 dBm			T1	1		1.905289 GHz	8.45 dBm			T2	1		1.9144711 GHz	10.94 dBm			D1	M1	1	10.0 MHz	0.51 dB			CF 1.91 GHz 501 pts Span 20.0 MHz <table><tr><th>Type</th><th>Ref</th><th>Trc</th><th>X-value</th><th>Y-value</th><th>Function</th><th>Function Result</th></tr><tr><td>M1</td><td>1</td><td></td><td>1.90512 GHz</td><td>-12.15 dBm</td><td></td><td></td></tr><tr><td>T1</td><td>1</td><td></td><td>1.905289 GHz</td><td>8.45 dBm</td><td></td><td></td></tr><tr><td>T2</td><td>1</td><td></td><td>1.9144711 GHz</td><td>10.84 dBm</td><td></td><td></td></tr><tr><td>D1</td><td>M1</td><td>1</td><td>9.72 MHz</td><td>0.01 dB</td><td></td><td></td></tr></table> Date: 7.MAY.2023 18:13:01	Type	Ref	Trc	X-value	Y-value	Function	Function Result	M1	1		1.90512 GHz	-12.15 dBm			T1	1		1.905289 GHz	8.45 dBm			T2	1		1.9144711 GHz	10.84 dBm			D1	M1	1	9.72 MHz	0.01 dB		
Type	Ref	Trc	X-value	Y-value	Function	Function Result																																																																		
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D1	M1	1	10.0 MHz	0.51 dB																																																																				
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D1	M1	1	9.72 MHz	0.01 dB																																																																				

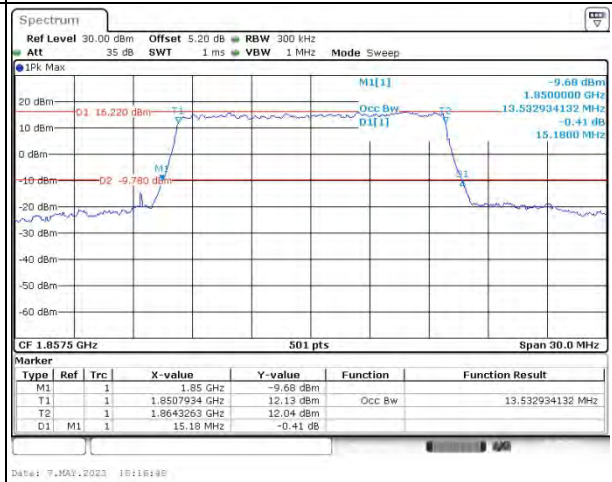
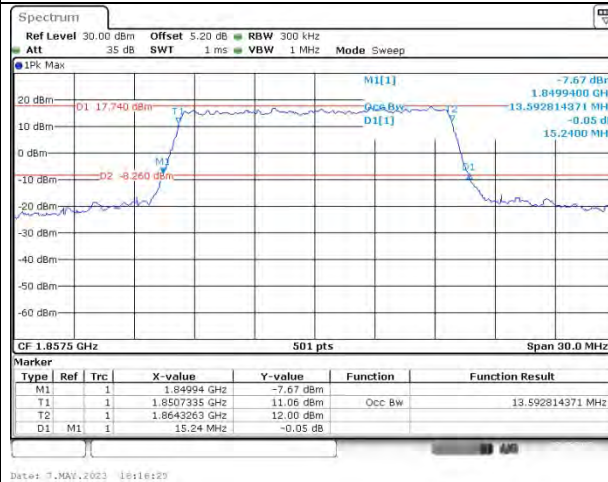
Occupied Bandwidth

Channel

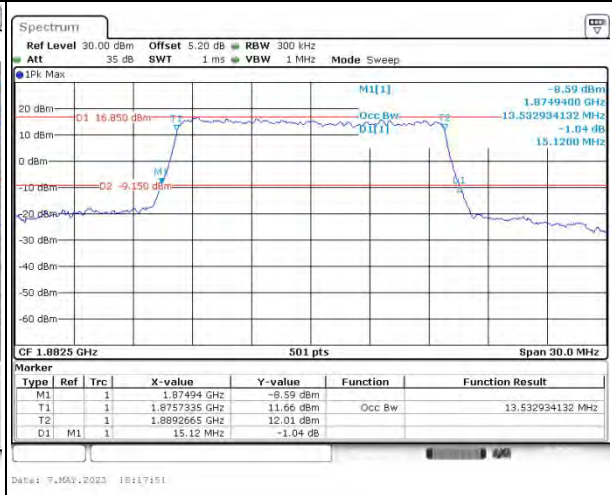
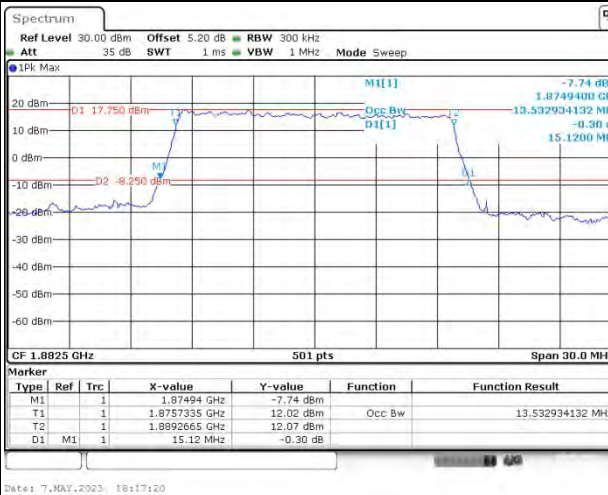
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

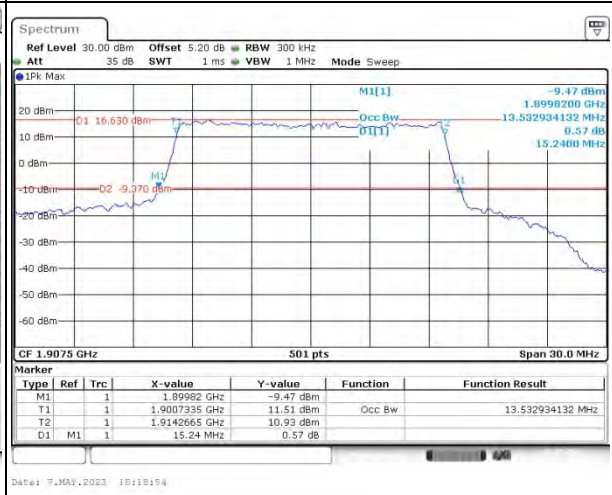
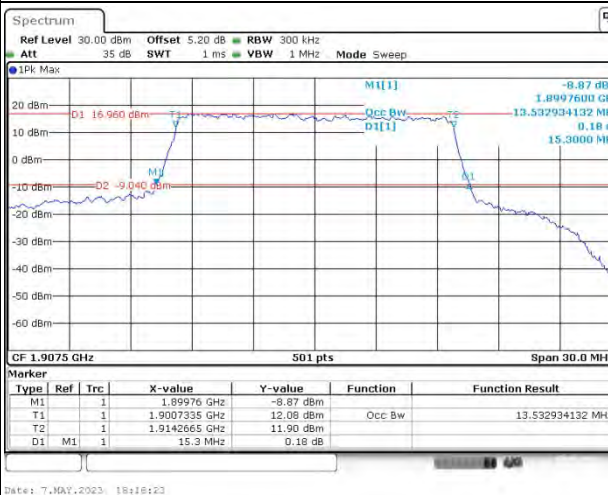
Lowest



Middle



Highest



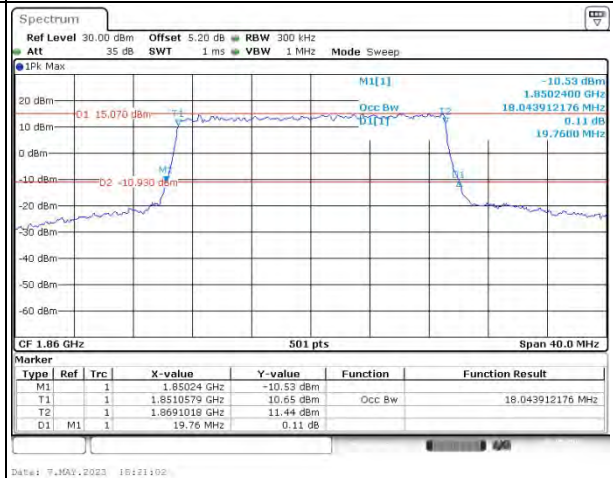
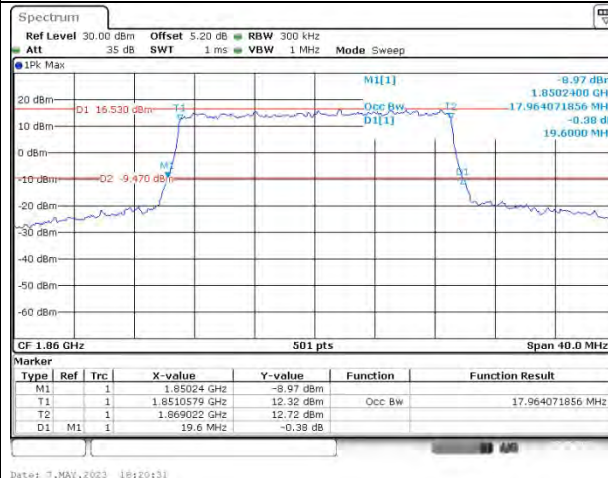
Occupied Bandwidth

Channel

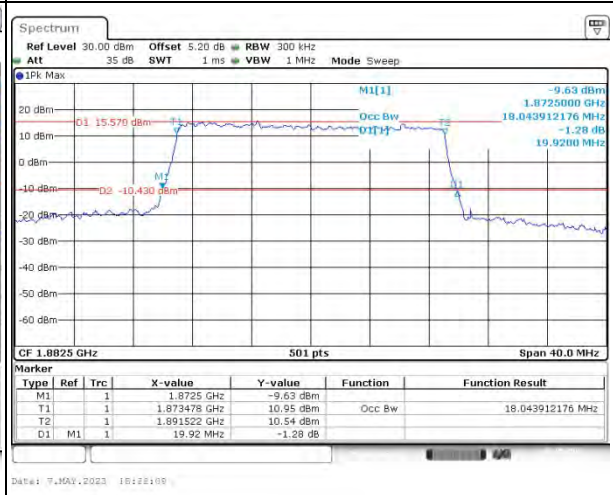
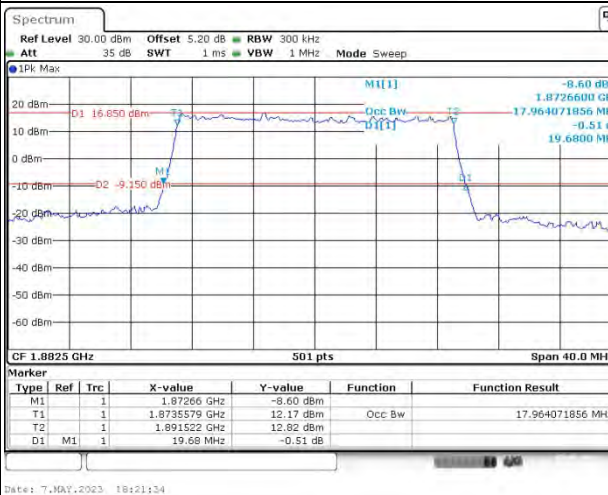
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

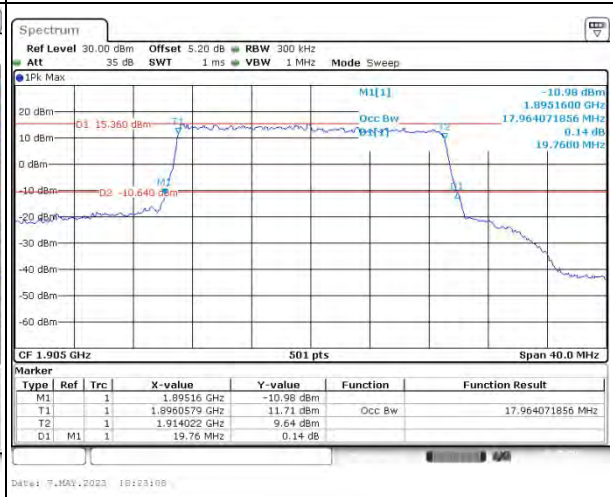
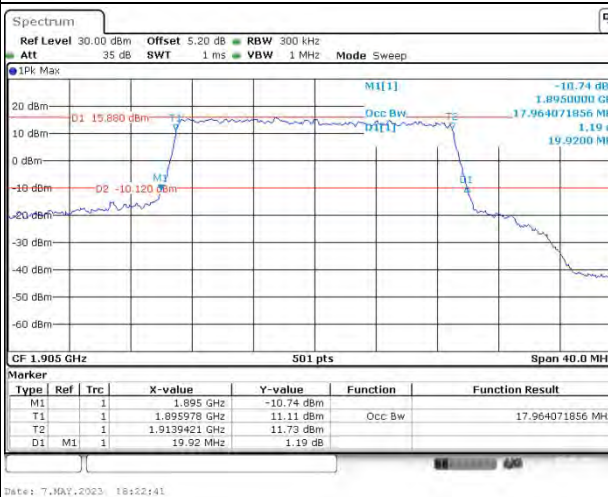
Lowest



Middle



Highest

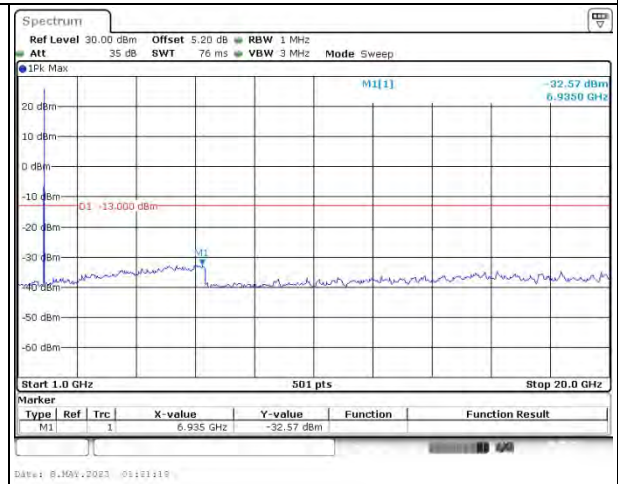
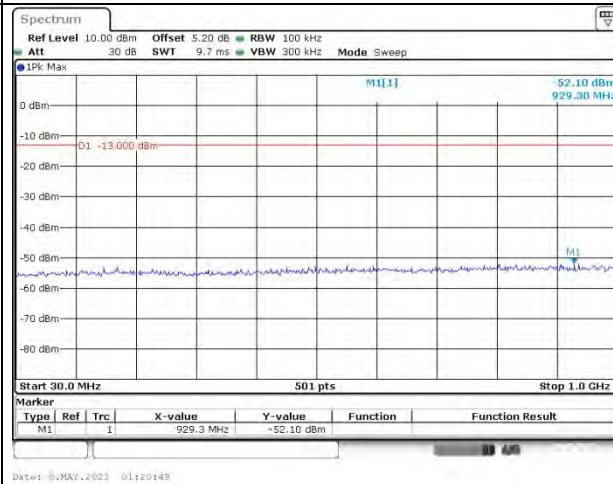


Spurious Emissions at Antenna Terminal

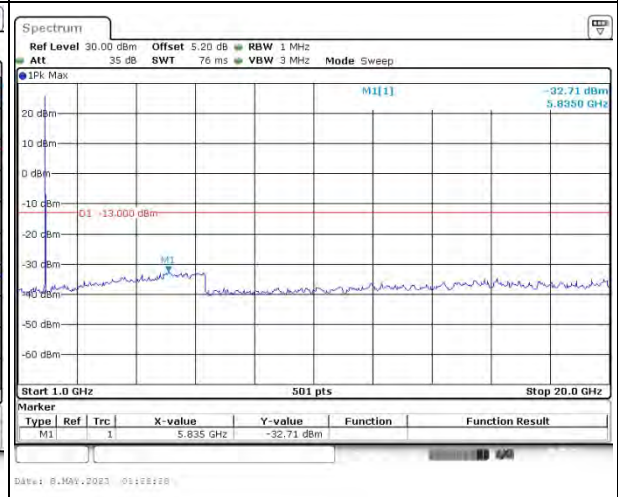
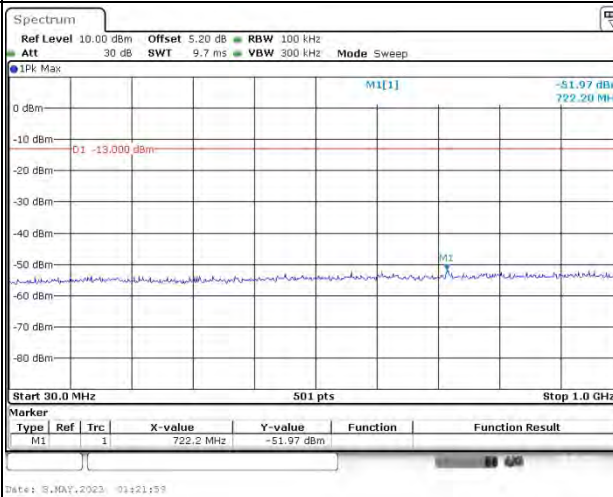
Channel

1.4MHz Bandwidth QPSK

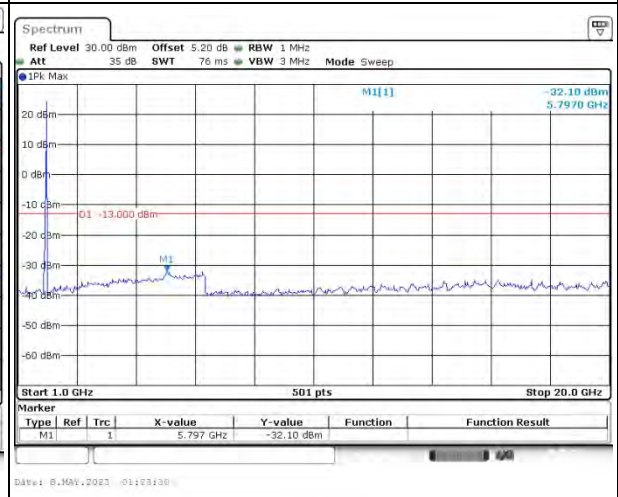
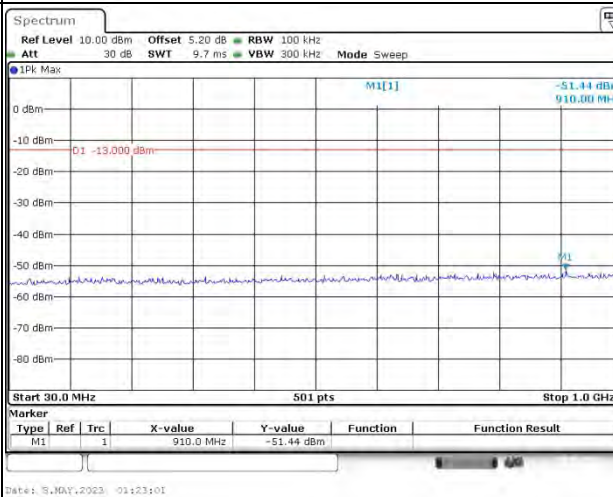
Lowest



Middle



Highest

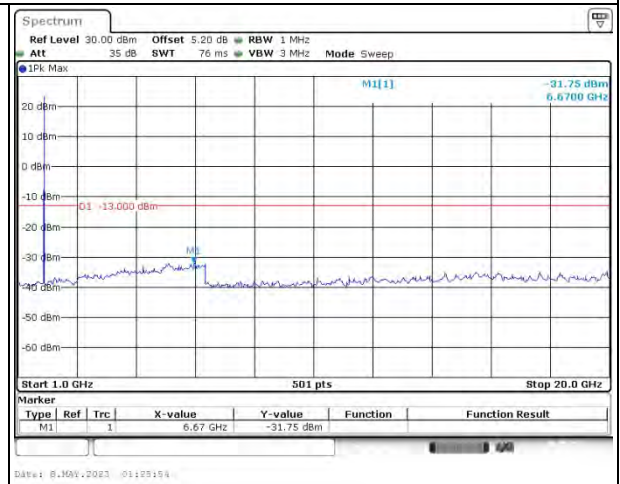
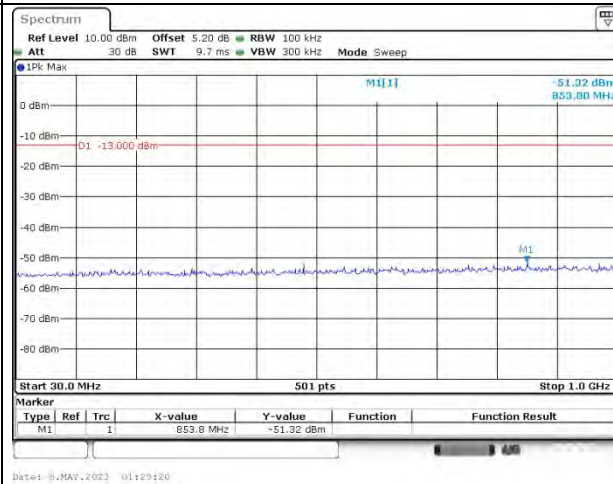


Spurious Emissions at Antenna Terminal

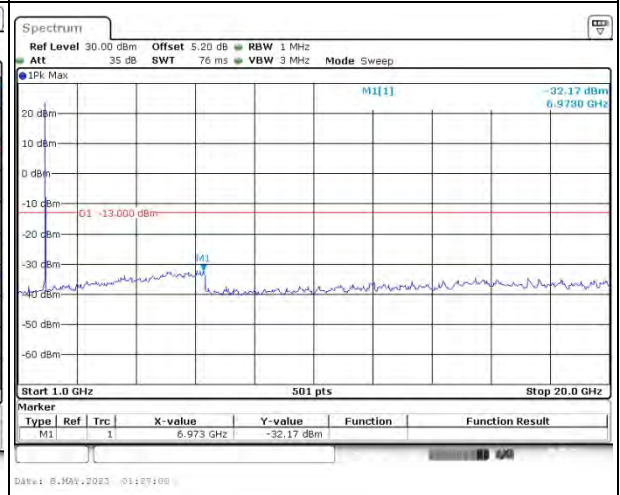
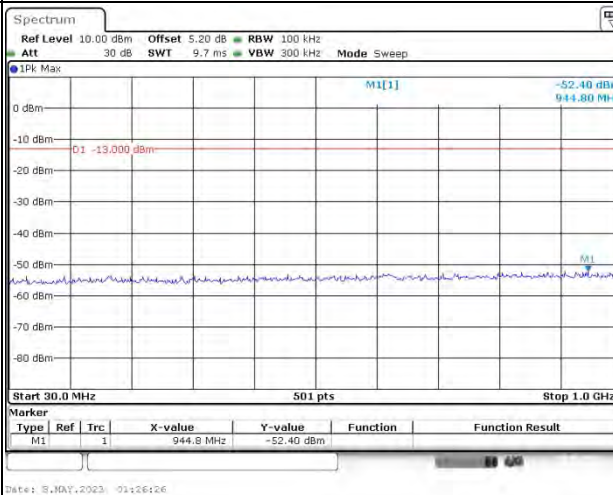
Channel

3MHz Bandwidth QPSK

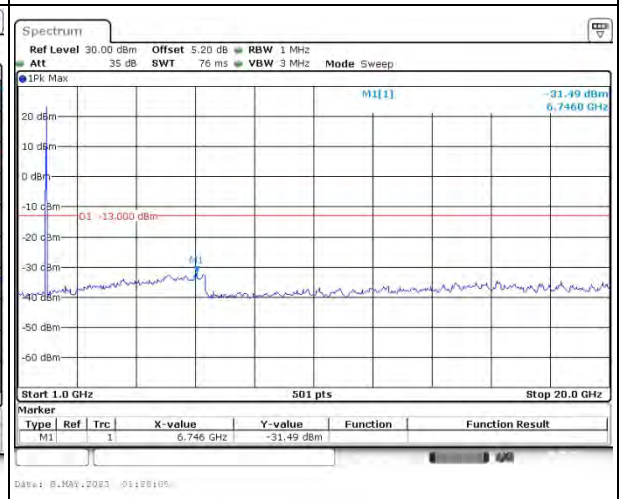
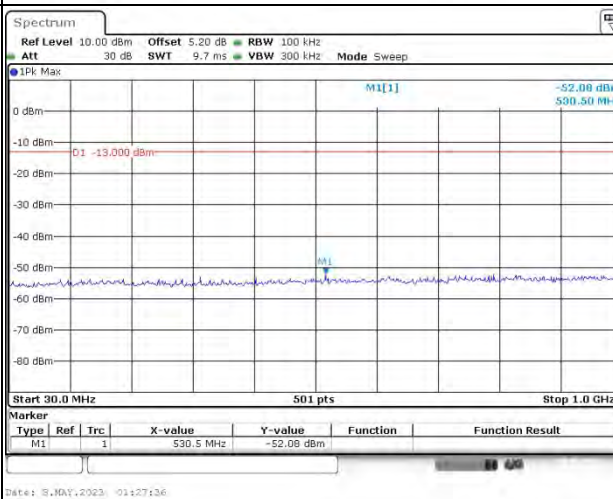
Lowest



Middle



Highest

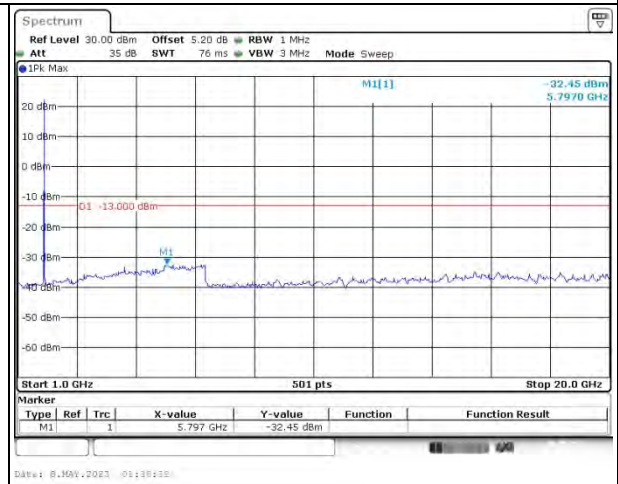
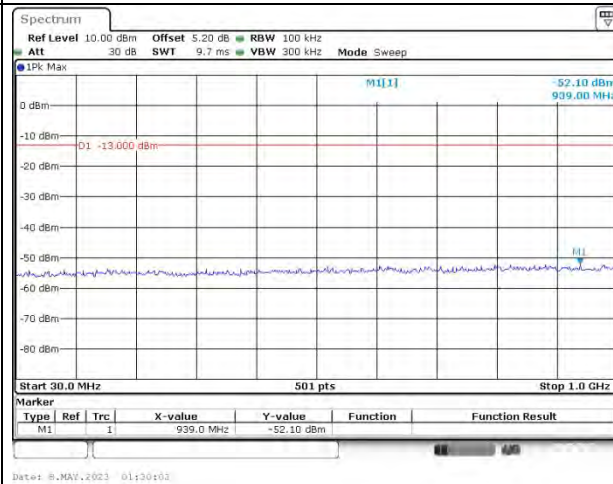


Spurious Emissions at Antenna Terminal

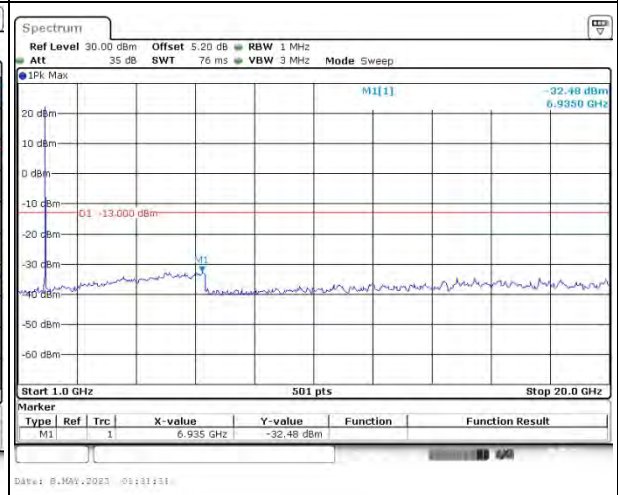
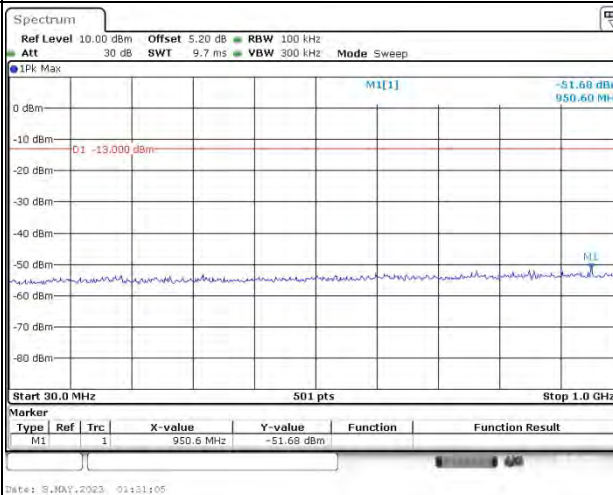
Channel

5MHz Bandwidth QPSK

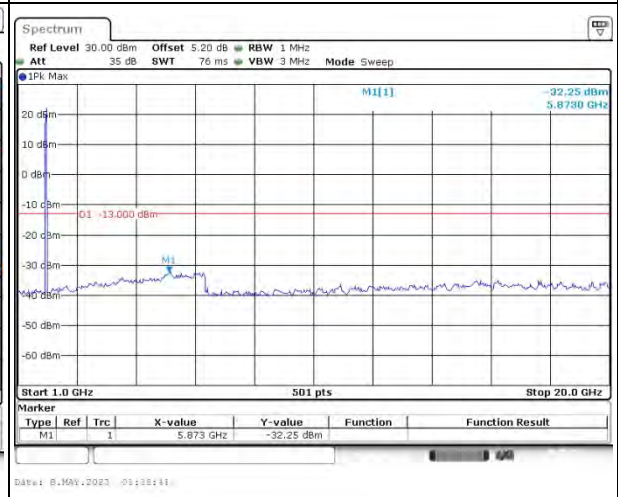
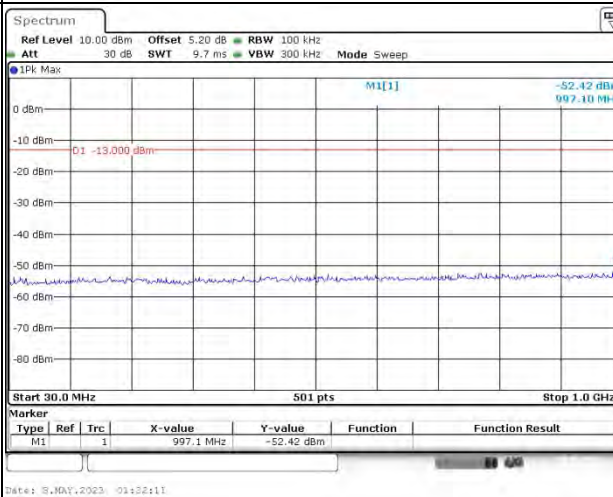
Lowest



Middle



Highest

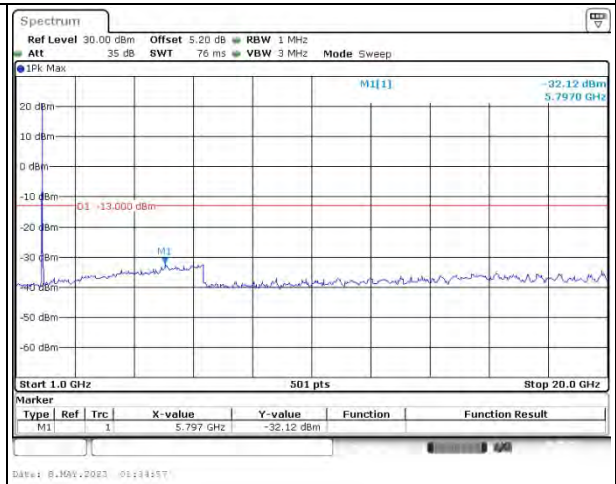
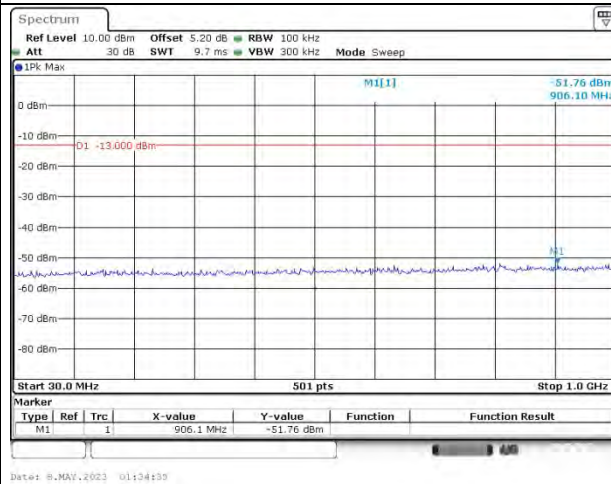


Spurious Emissions at Antenna Terminal

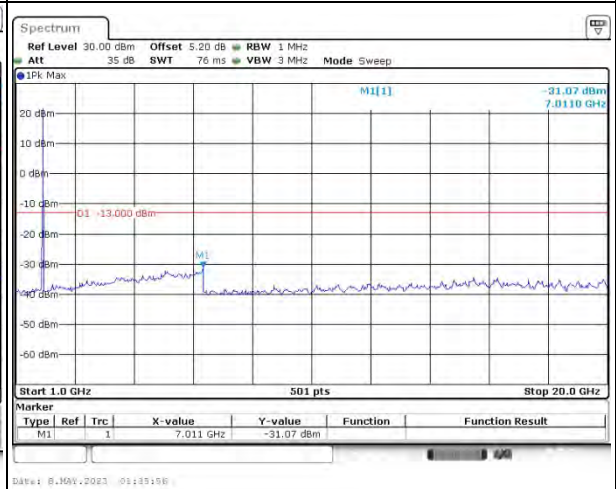
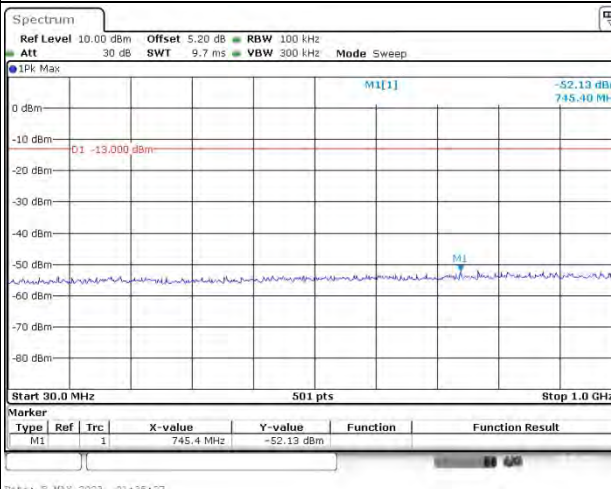
Channel

10MHz Bandwidth QPSK

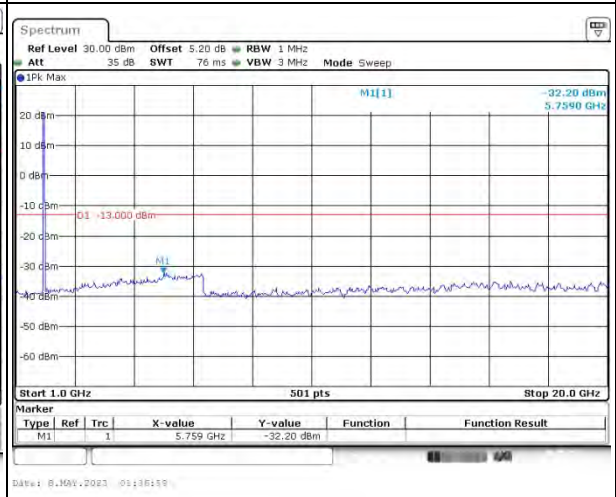
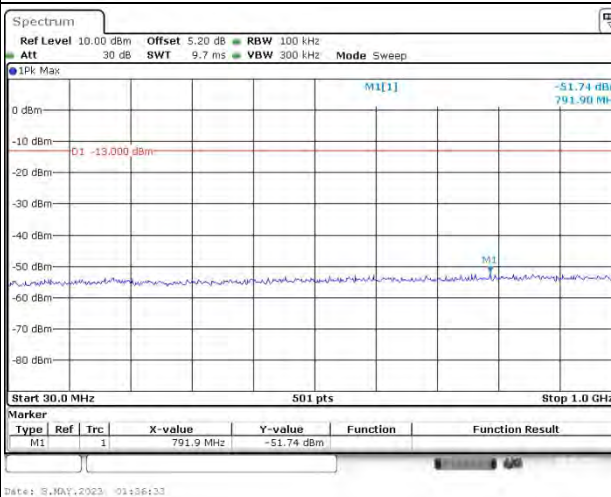
Lowest



Middle



Highest

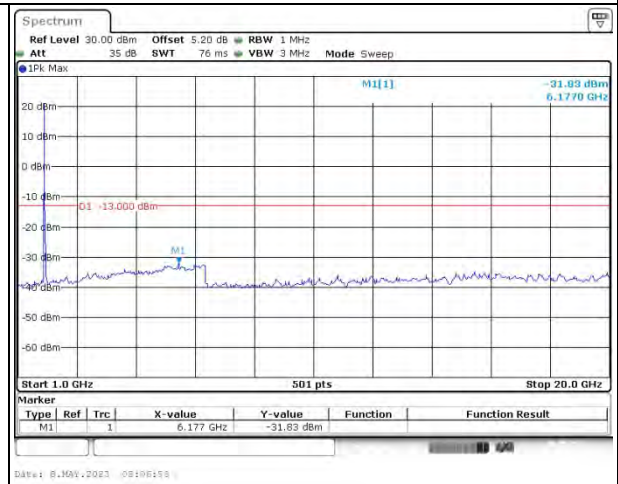
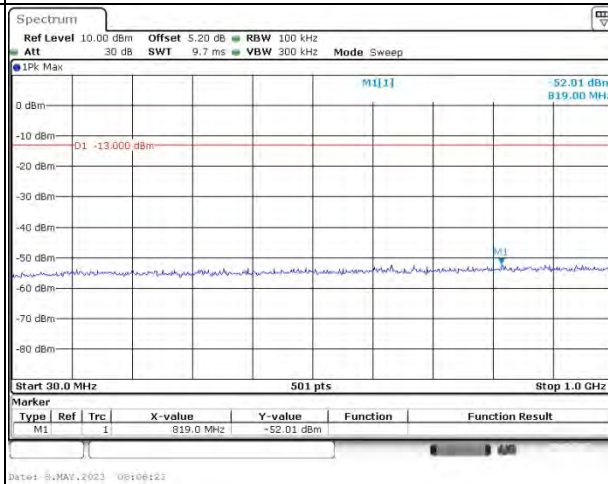


Spurious Emissions at Antenna Terminal

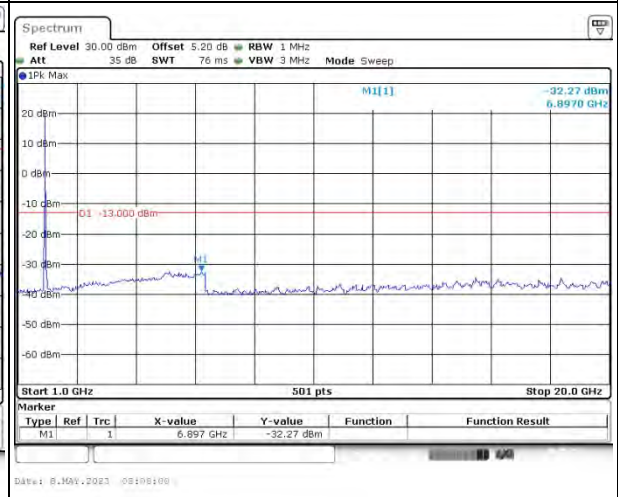
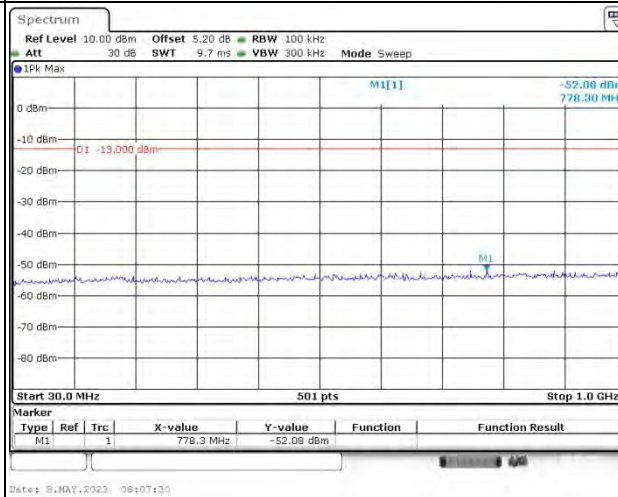
Channel

15MHz Bandwidth QPSK

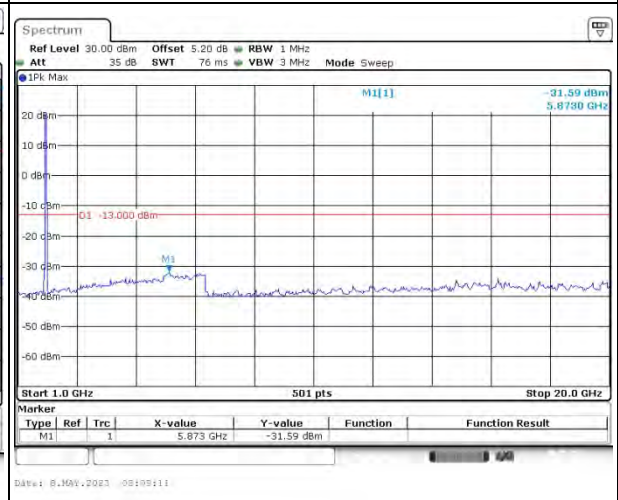
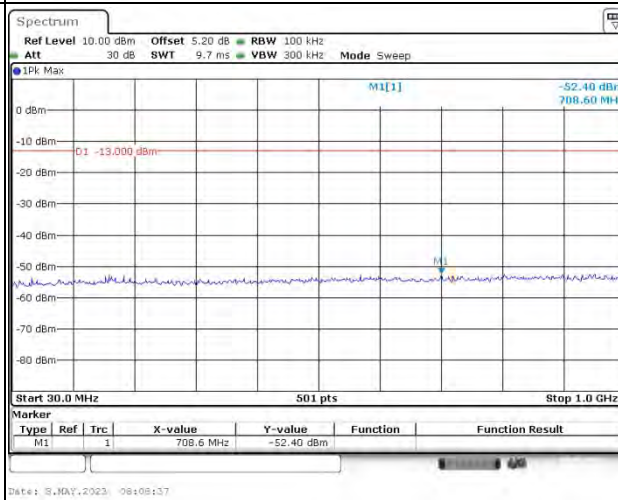
Lowest



Middle



Highest

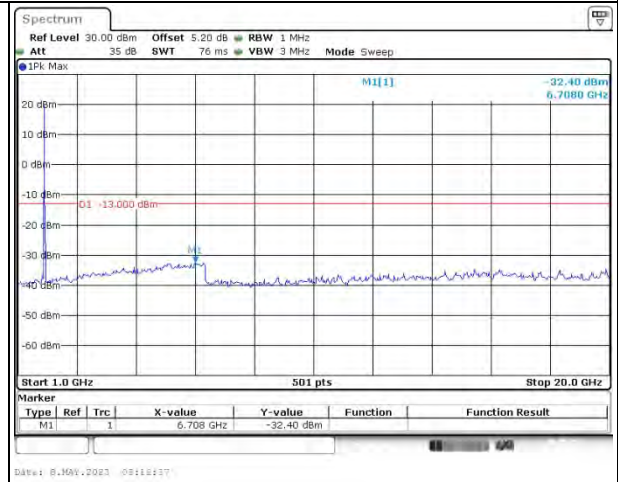
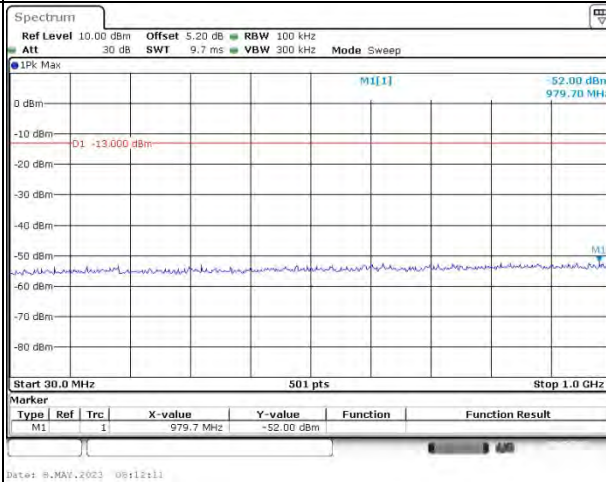


Spurious Emissions at Antenna Terminal

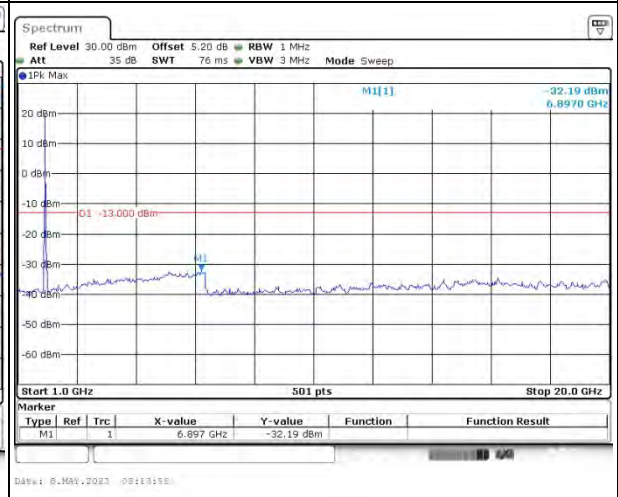
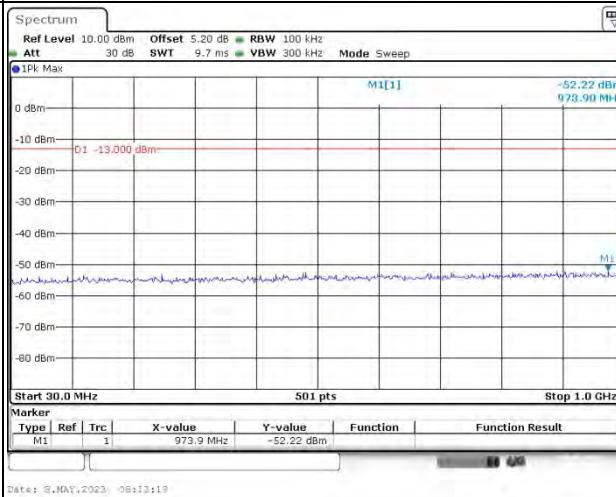
Channel

20MHz Bandwidth QPSK

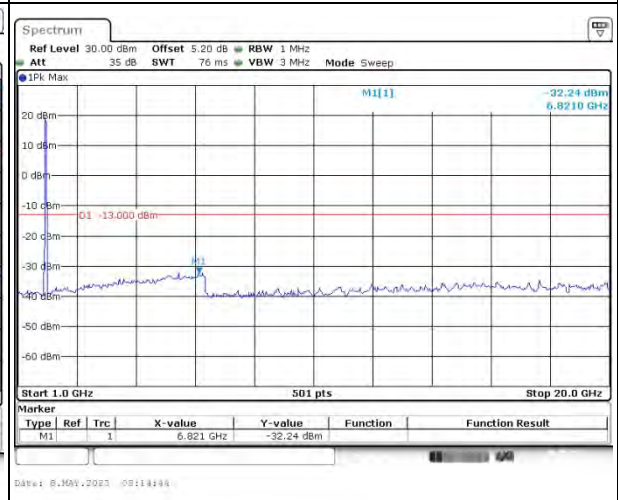
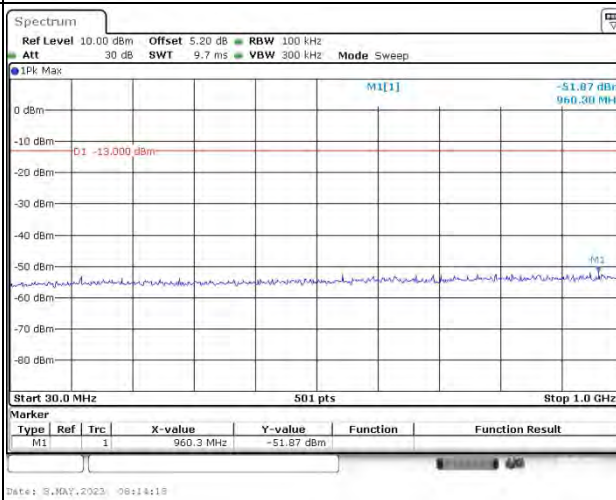
Lowest



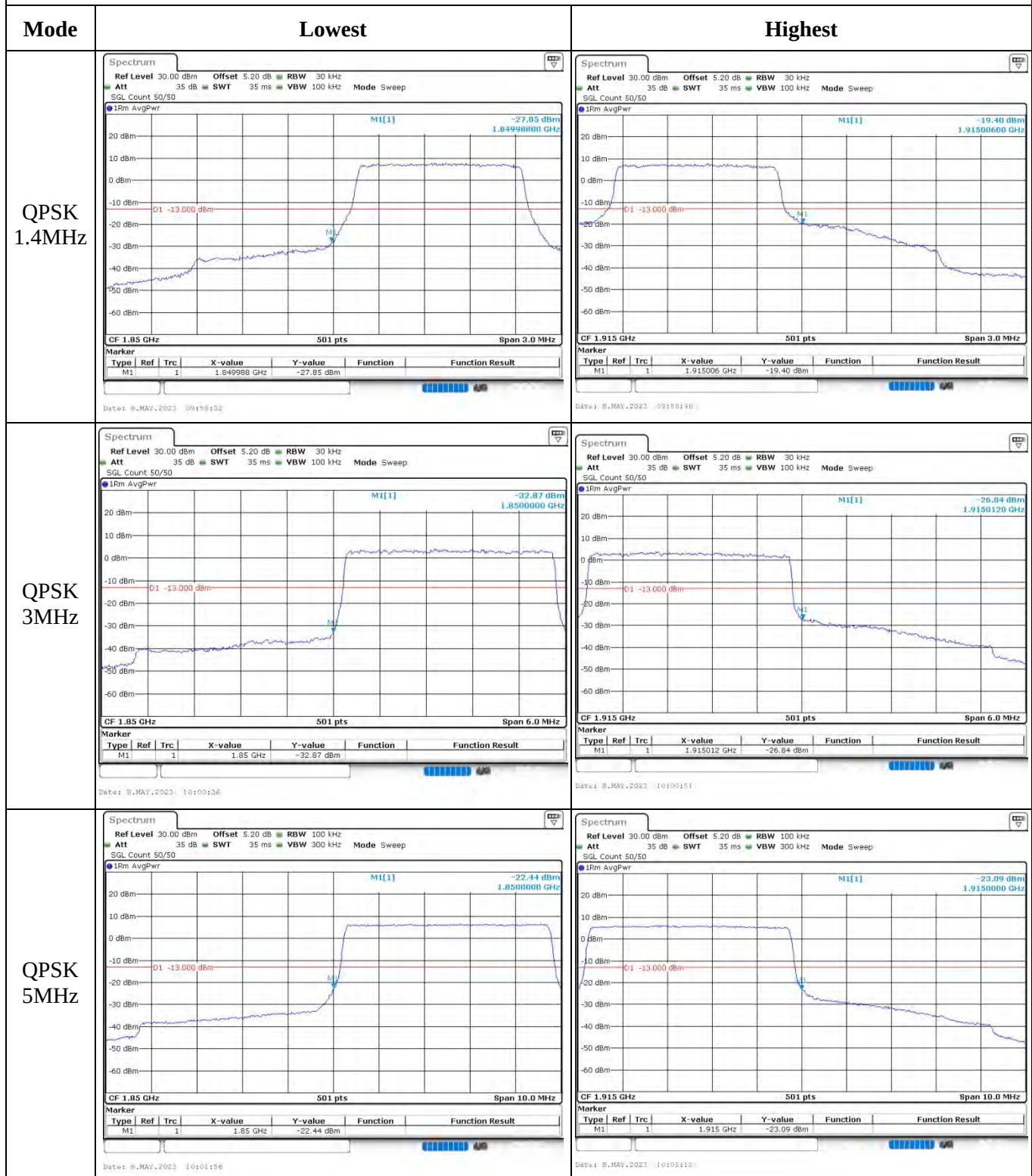
Middle



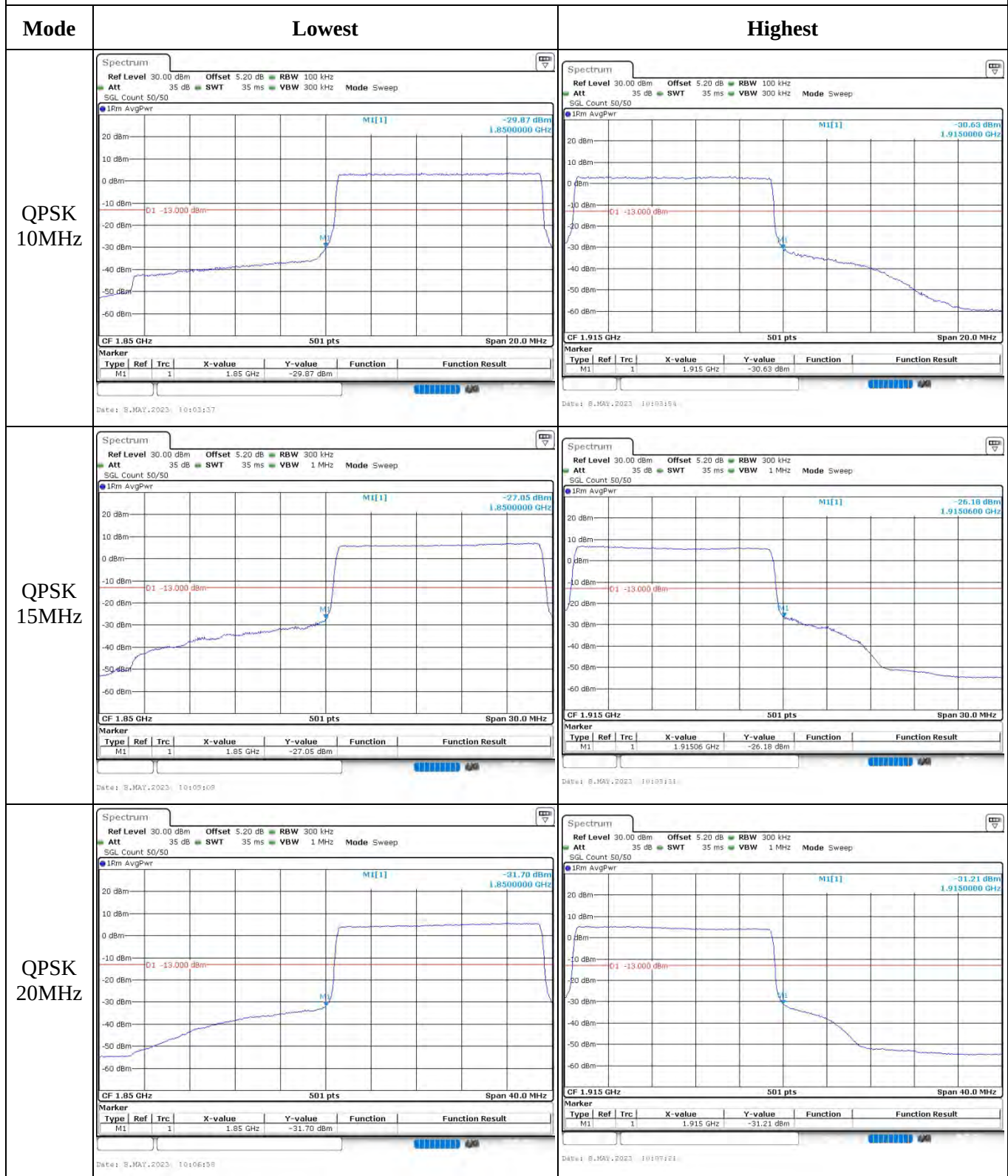
Highest



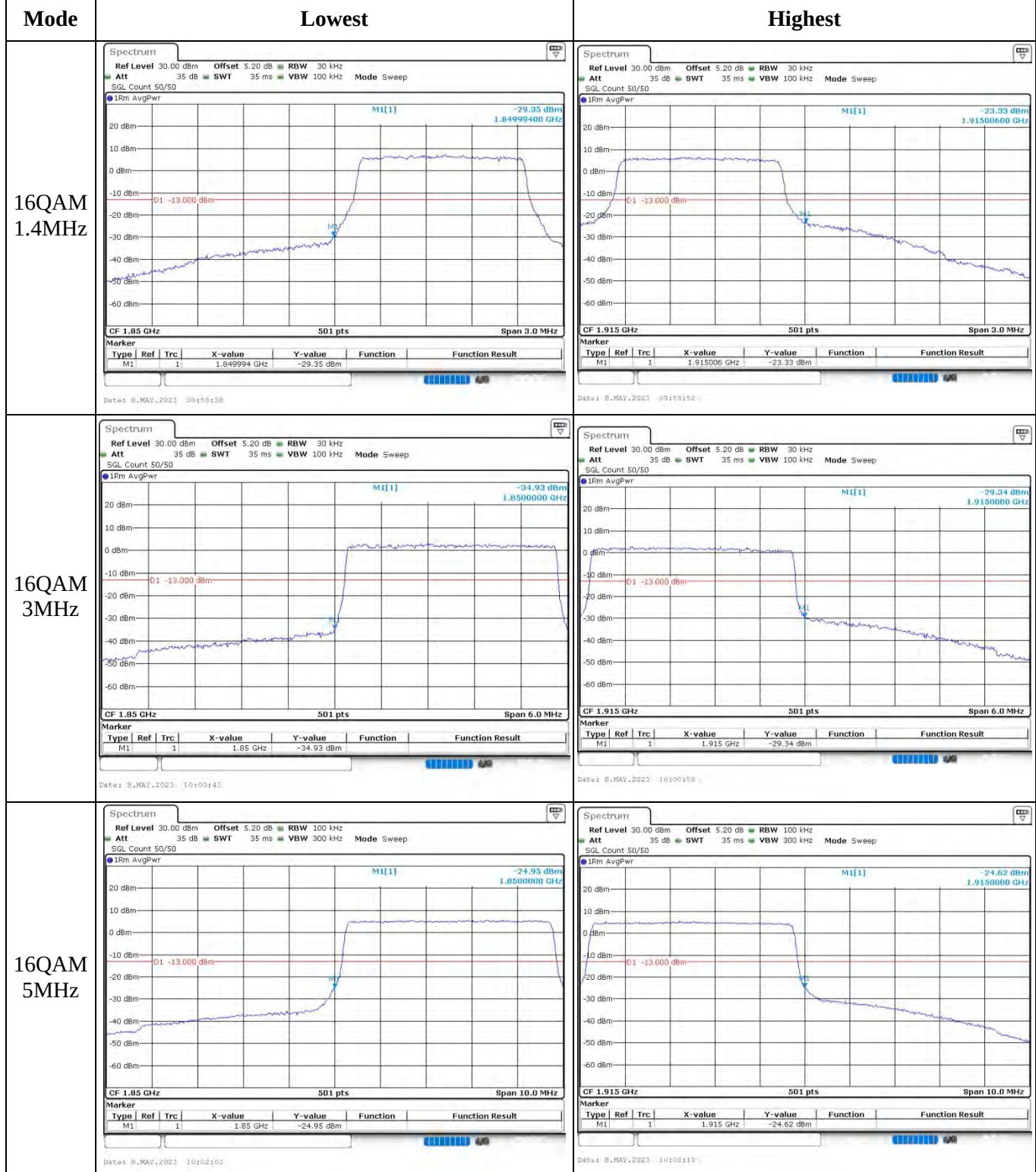
Out of band emission, Band Edge



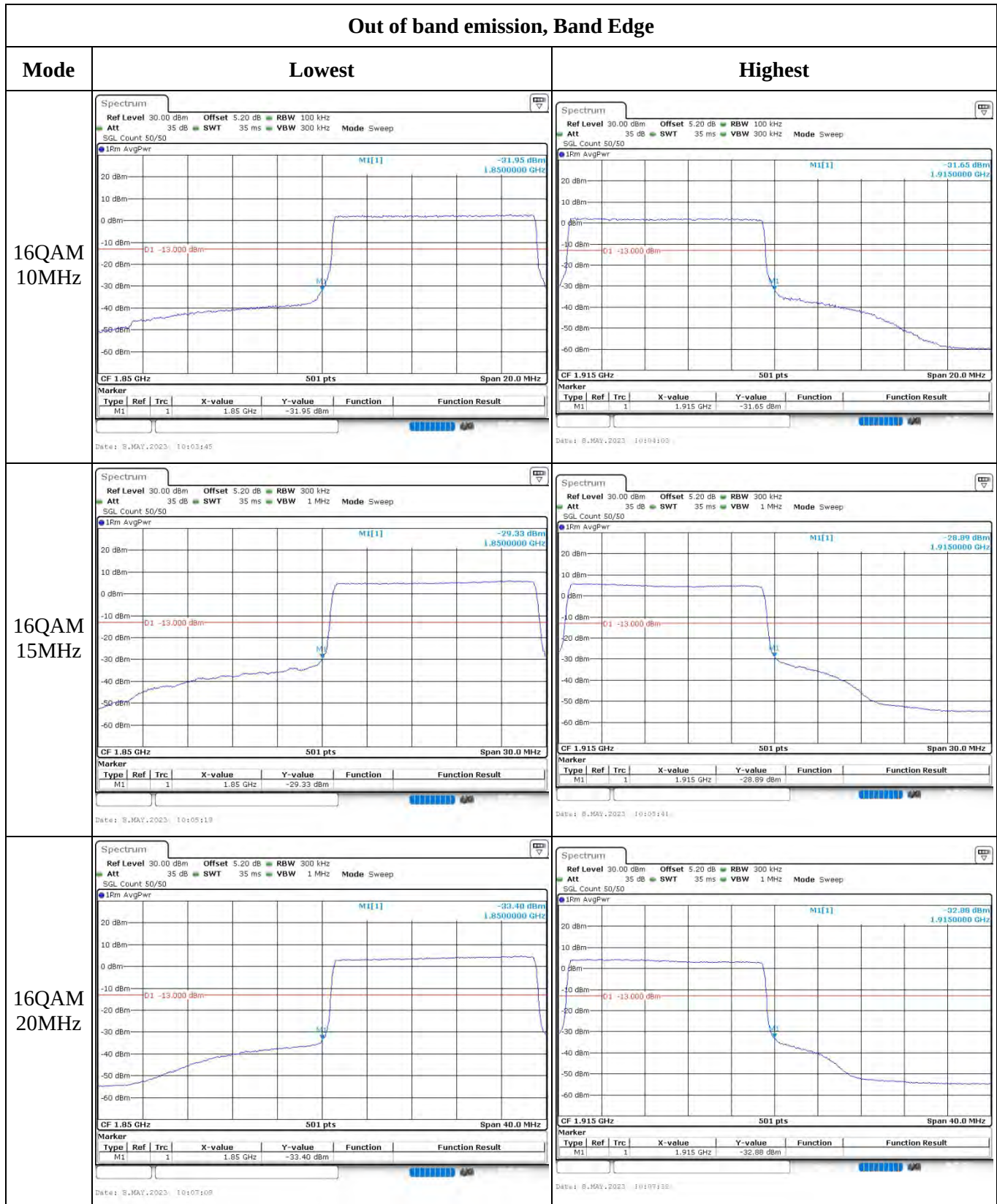
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.13 Antenna Port Test Data and Results for LTE Band 26

Serial Number:	250W-1	Test Date:	2023/5/6~2023/6/13
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2~26.1	Relative Humidity: (%)	39~58	ATM Pressure: (kPa)	100.5~102.3
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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	2022-07-15	2023-07-14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-09-29	2023-09-28
UNI-T	Multimeter	UT39A+	C210582554	N/A	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	2022-07-15	2023-07-14

* 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 For 90S (MHz)	Highest Frequency For 90S (MHz)	Channel Cross Rules 90S and 22H	Lowest Frequency For 22H (MHz)	Middle Frequency For 22H (MHz)	Highest Frequency For 22H (MHz)
1.4MHz	814.7	823.3	824.0	824.7	831.5	848.3
3MHz	815.5	822.5	824.0	825.5	831.5	847.5
5MHz	816.5	821.5	824.0	826.5	831.5	846.5
10MHz	819	/	824.0	829	831.5	844
15MHz	821.5	/	824.0	831.5	836.5	841.5

Note: 15MHz bandwidth 821.5MHz cross Rules 90S and 22H

Test Data:**FCC§2.1046;§ 22.913 (a),§ 90.635****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power (dBm)						Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel For 90S	Highest Channel For 90S	Cross Channel	Lowest Channel For 22H	Middle Channel For 22H	Highest Channel For 22H		
1.4MHz QPSK	RB1#0	20.46	20.57	20.67	20.78	20.87	21.14	18.25	38.45
	RB1#3	20.66	20.76	20.84	20.96	21.05	21.38		
	RB1#5	20.46	20.57	20.65	20.73	20.93	21.13		
	RB3#0	20.51	20.61	20.68	20.79	20.77	21.21		
	RB3#3	20.47	20.58	20.7	20.8	20.81	21.2		
	RB6#0	19.6	19.69	19.78	19.89	19.99	20.32		
1.4MHz 16QAM	RB1#0	19.56	19.67	19.7	19.77	19.76	20.15	17.24	38.45
	RB1#3	19.8	19.88	19.95	19.99	19.96	20.36		
	RB1#5	19.55	19.67	19.77	19.82	19.8	20.17		
	RB3#0	19.43	19.52	19.63	19.72	19.81	20.37		
	RB3#3	19.47	19.59	19.67	19.75	19.8	20.35		
	RB6#0	18.57	18.69	18.73	18.86	18.83	19.28		
3MHz QPSK	RB1#0	20.54	20.65	20.73	20.82	20.98	21.23	18.13	38.45
	RB1#8	20.56	20.64	20.76	20.86	20.94	21.24		
	RB1#14	20.56	20.65	20.77	20.85	20.97	21.26		
	RB6#0	19.59	19.7	19.81	19.92	19.98	20.21		
	RB6#9	19.6	19.72	19.81	19.89	20.01	20.29		
	RB15#0	19.58	19.69	19.78	19.86	19.92	20.24		
3MHz 16QAM	RB1#0	20.07	20.06	20.16	20.17	19.98	20.29	17.16	38.45
	RB1#8	20.04	20.15	20.16	20.08	19.99	20.27		
	RB1#14	20.06	20.08	20.17	20.21	20.06	20.28		
	RB6#0	18.6	18.68	18.78	18.89	18.88	19.15		
	RB6#9	18.6	18.68	18.76	18.84	18.95	19.18		
	RB15#0	18.61	18.69	18.78	18.88	18.83	19.28		
5MHz QPSK	RB1#0	20.4	20.52	20.58	20.61	20.77	21.07	18.06	38.45
	RB1#13	20.54	20.63	20.74	20.82	20.91	21.19		
	RB1#24	20.58	20.7	20.8	20.88	20.86	21.12		
	RB15#0	19.62	19.7	19.81	19.93	19.93	20.25		
	RB15#10	19.56	19.65	19.73	19.84	19.87	20.27		
	RB25#0	19.56	19.65	19.73	19.81	19.86	20.26		
5MHz 16QAM	RB1#0	19.33	19.41	19.6	19.71	19.92	20.13	17.15	38.45
	RB1#13	19.45	19.55	19.67	19.79	20.07	20.28		
	RB1#24	19.48	19.59	19.78	19.98	20.09	20.23		
	RB15#0	18.59	18.67	18.78	18.89	18.86	19.25		
	RB15#10	18.61	18.72	18.76	18.81	18.79	19.27		
	RB25#0	18.61	18.71	18.75	18.81	18.79	19.25		

10MHz QPSK	RB1#0	20.44	/	20.59	20.69	20.82	21	18.24	38.45
	RB1#25	20.74	/	20.89	21.04	21.14	21.37		
	RB1#49	20.73	/	20.87	20.97	20.94	21.31		
	RB25#0	19.7	/	19.86	19.97	19.98	20.24		
	RB25#25	19.86	/	19.84	19.88	19.92	20.26		
	RB50#0	19.8	/	19.88	19.99	19.95	20.25		
10MHz 16QAM	RB1#0	19.65	/	19.7	19.72	19.73	20.61	17.66	38.45
	RB1#25	19.91	/	19.99	20.04	20.03	20.76		
	RB1#49	19.92	/	20.01	19.97	19.98	20.79		
	RB25#0	18.72	/	18.89	19.04	19.05	19.27		
	RB25#25	18.88	/	18.92	19.03	19.01	19.29		
	RB50#0	18.77	/	18.82	18.95	18.98	19.22		
15MHz QPSK	RB1#0	20.4	/	20.43	20.61	20.62	20.88	18.07	38.45
	RB1#38	20.67	/	20.85	20.94	20.92	21.13		
	RB1#74	20.85	/	20.89	20.94	20.98	21.2		
	RB36#0	19.76	/	19.81	19.92	20.03	20		
	RB36#39	19.95	/	20.09	20.2	20.13	20.26		
	RB75#0	19.86	/	19.95	20.09	20.1	20.11		
15MHz 16QAM	RB1#0	19.94	/	20.1	20.03	19.75	20.15	17.43	38.45
	RB1#38	20.25	/	20.41	20.54	19.99	20.44		
	RB1#74	20.2	/	20.22	20.25	20.14	20.56		
	RB36#0	18.7	/	18.88	18.87	18.89	18.92		
	RB36#39	18.86	/	18.95	19.07	19.03	19.14		
	RB75#0	18.82	/	18.89	18.96	18.99	19.02		

Note:

ERP= Conducted Power(dBm) - Lc(dB) + G_T(dBd)G_T(dBd)=G_T(dBi)-2.15

Result:

Pass

Peak-to-average Ratio(PAR)

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel For 22H	Middle Channel For 22H	Highest Channel For 22H	
15MHz QPSK	RB1#0	3.94	3.42	4.7	13
	RB75#0	4.99	4.2	4.9	13
15MHz 16QAM	RB1#0	4.9	4.23	5.51	13
	RB75#0	5.91	5.1	5.74	13
Result:					Pass

FCC §2.1049, §22.905, §90.209:Occupied Bandwidth

Operation Mode	99% Occupied Bandwidth (MHz)						26 dB Occupied Bandwidth (MHz)					
	Lowest For 90S	Highest For 90S	Cross	Lowest For 22H	Middle For 22H	Highest For 22H	Lowest For 90S	Highest For 90S	Cross	Lowest For 22H	Middle For 22H	Highest For 22H
1.4MHz QPSK	1.102	1.102	1.096	1.301	1.114	1.102	1.308	1.311	1.319	1.301	1.338	1.308
1.4MHz 16QAM	1.102	1.096	1.096	1.301	1.102	1.102	1.284	1.325	1.289	1.301	1.32	1.326
3MHz QPSK	2.683	2.683	2.683	2.695	2.683	2.683	2.686	2.904	2.683	2.695	2.988	2.88
3MHz 16QAM	2.683	2.683	2.683	2.683	2.683	2.683	2.880	2.886	2.863	2.683	2.892	2.892
5MHz QPSK	4.511	4.511	4.531	4.511	4.511	4.531	4.960	4.492	4.945	4.974	4.98	4.96
5MHz 16QAM	4.531	4.491	4.491	4.531	4.531	4.511	4.960	4.492	4.945	4.974	5	4.96
10MHz QPSK	8.942	/	8.942	8.942	8.982	8.942	9.600	/	9.716	9.725	9.6	9.72
10MHz 16QAM	8.942	/	8.942	8.942	8.982	8.942	9.680	/	9.596	9.645	9.64	9.6
15MHz QPSK	13.593	/	13.473	13.533	13.533	13.473	16.74	/	13.473	14.854	14.82	14.76
15MHz 16QAM	13.473	/	13.473	13.533	13.533	13.473	14.70	/	13.473	14.735	14.7	14.7

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

FCC §2.1051, §22.917(a),§90.691:Spurious Emissions at Antenna Terminal

Result:	Pass, Please refer to the test plots of Spurious Emissions at Antenna Terminal.
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FCC §2.1051, §22.917(a),§90.691:Out of band emission, Band Edge

Result:	Pass, Please refer to the test plots of Out of band emission, Band Edge.
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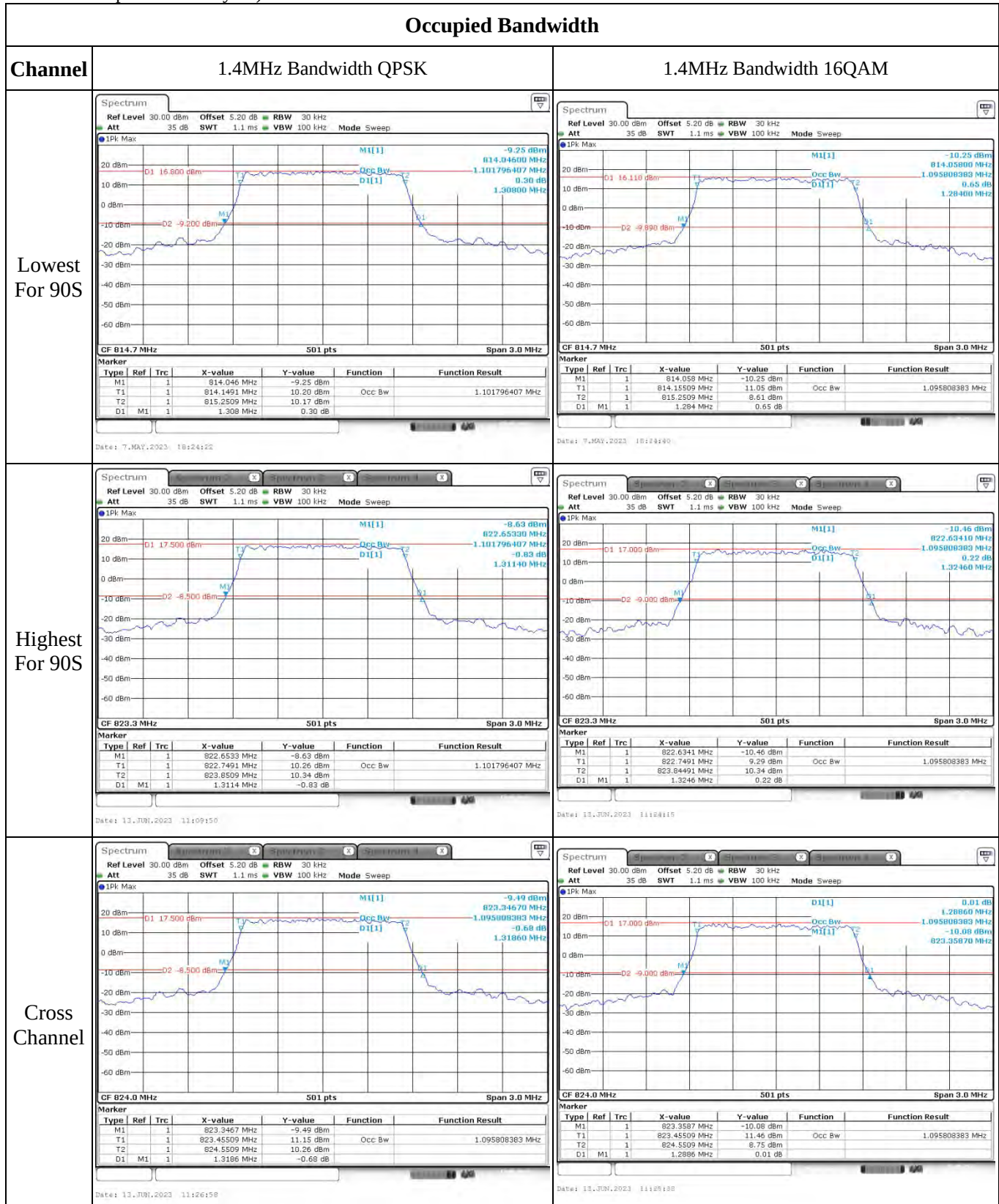
Test Modulation:	15 MHz QPSK		Test Channel:	821.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.85	7.62	0.009	2.5
	-20	3.85	9.52	0.011	2.5
	-10	3.85	6.76	0.008	2.5
	0	3.85	11.41	0.014	2.5
	10	3.85	10.43	0.013	2.5
	20	3.85	8.65	0.010	2.5
	30	3.85	8.58	0.010	2.5
	40	3.85	8.33	0.010	2.5
	50	3.85	7.94	0.010	2.5
Frequency Stability vs. Voltage	20	3.5	9.58	0.012	2.5
	20	4.4	7.21	0.009	2.5
				Result:	Pass

Test Modulation:	15 MHz 16QAM		Test Channel:	821.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.85	9.85	0.012	2.5
	-20	3.85	5	0.006	2.5
	-10	3.85	6.02	0.007	2.5
	0	3.85	8.43	0.010	2.5
	10	3.85	9.56	0.011	2.5
	20	3.85	7.38	0.009	2.5
	30	3.85	4.38	0.005	2.5
	40	3.85	7.11	0.009	2.5
	50	3.85	5.5	0.007	2.5
Frequency Stability vs. Voltage	20	3.5	7.22	0.009	2.5
	20	4.4	6.63	0.008	2.5
				Result:	Pass

Test Modulation:	15 MHz QPSK		Test Channel:	831.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.85	-5.94	-0.007	2.5
	-20	3.85	-8.69	-0.010	2.5
	-10	3.85	5.7	0.007	2.5
	0	3.85	9.12	0.011	2.5
	10	3.85	-8.55	-0.010	2.5
	20	3.85	7.51	0.009	2.5
	30	3.85	-7.9	-0.010	2.5
	40	3.85	-5.46	-0.007	2.5
	50	3.85	8.4	0.010	2.5
Frequency Stability vs. Voltage	20	3.5	-7.71	-0.009	2.5
	20	4.4	5.87	0.007	2.5
				Result:	Pass

Test Modulation:	15 MHz 16QAM		Test Channel:	831.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.85	-7.38	-0.009	2.5
	-20	3.85	-9.88	-0.012	2.5
	-10	3.85	-7.99	-0.010	2.5
	0	3.85	7.26	0.009	2.5
	10	3.85	5.71	0.007	2.5
	20	3.85	9.11	0.011	2.5
	30	3.85	-6.47	-0.008	2.5
	40	3.85	-7.37	-0.009	2.5
	50	3.85	9.03	0.011	2.5
Frequency Stability vs. Voltage	20	3.5	-9.44	-0.011	2.5
	20	4.4	-8.88	-0.011	2.5
				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):

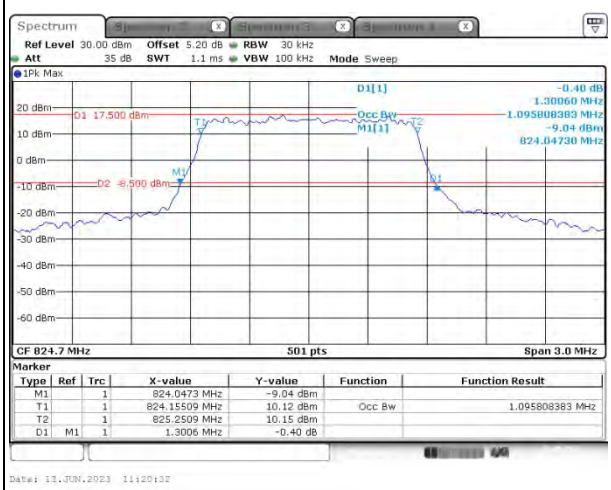
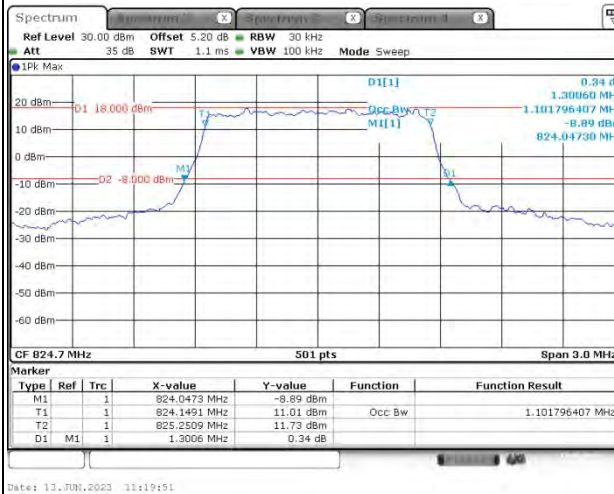
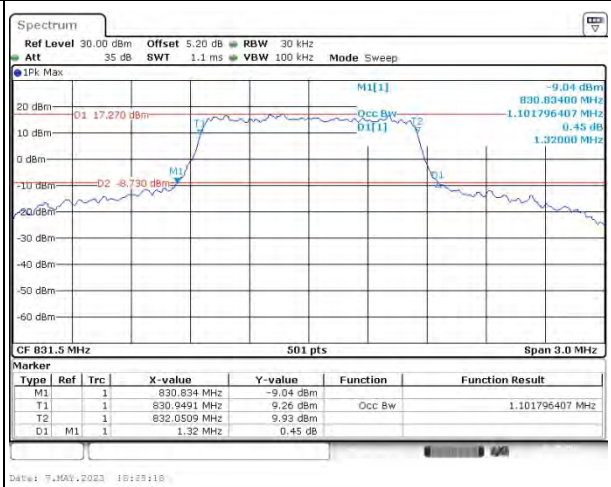
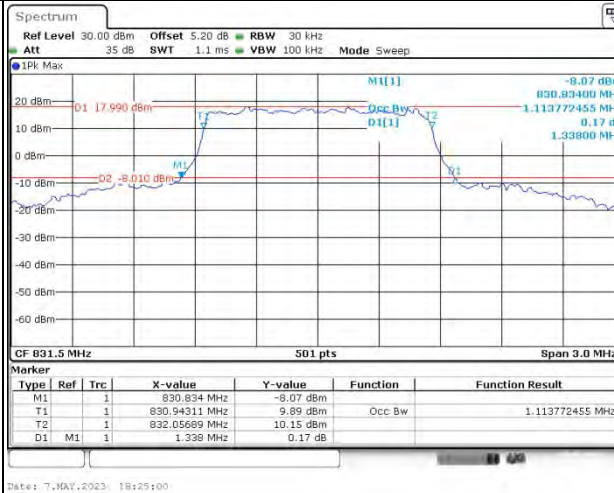
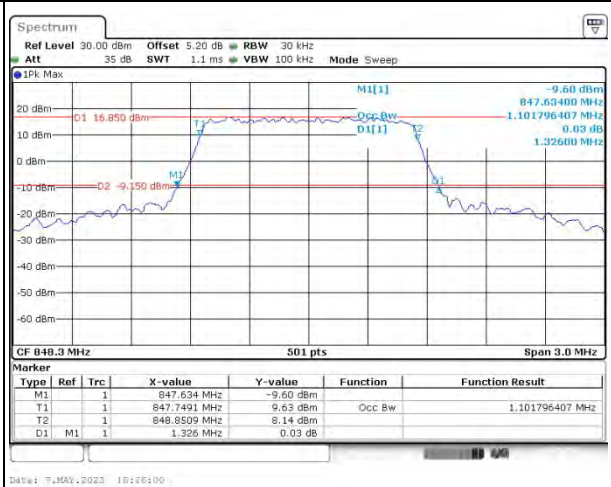
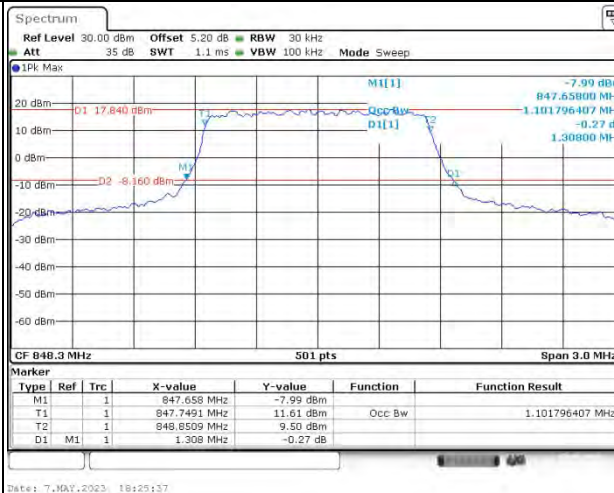


Occupied Bandwidth

Channel

1.4MHz Bandwidth QPSK

1.4MHz Bandwidth 16QAM

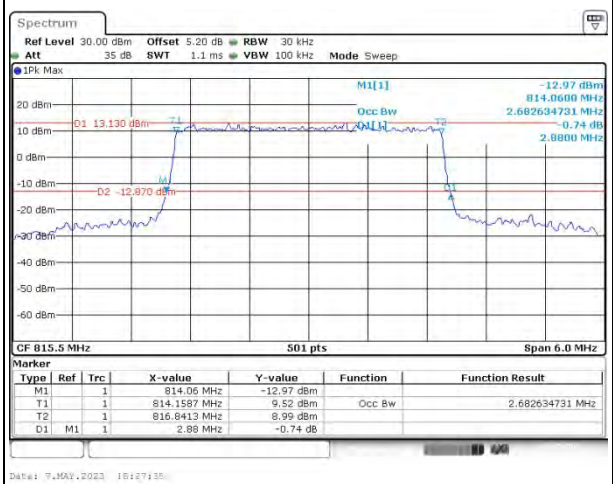
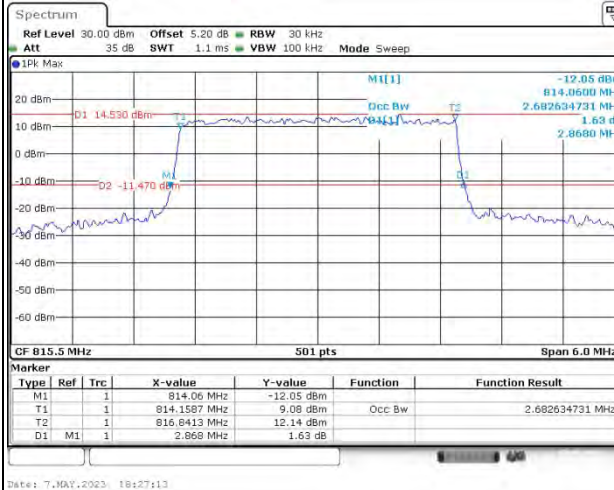
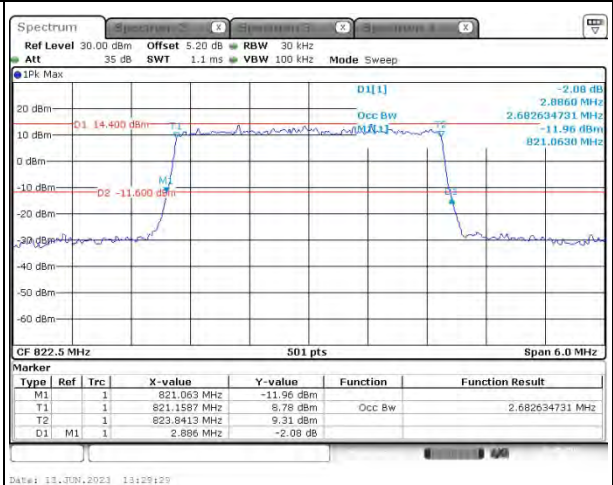
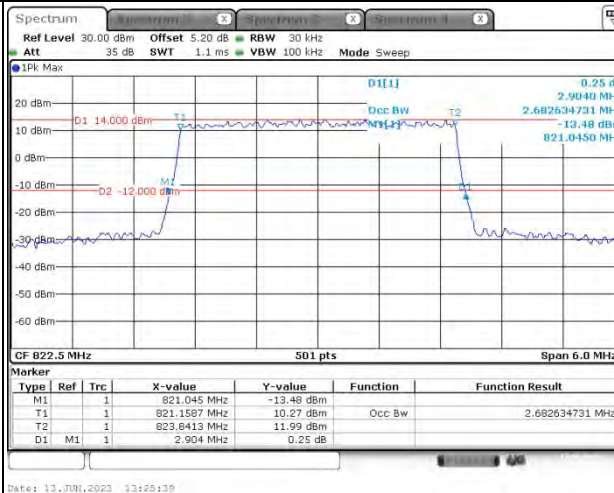
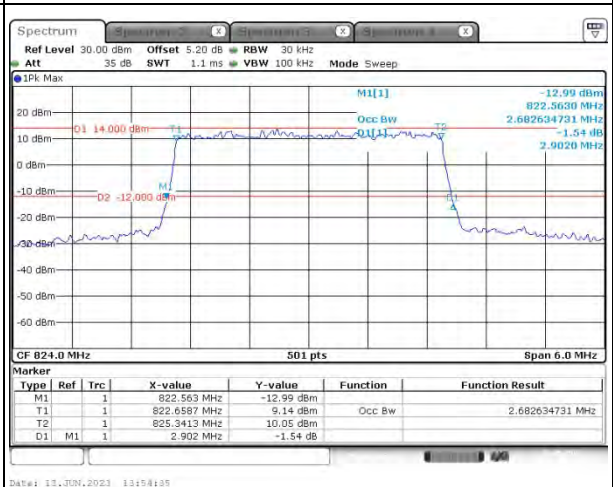
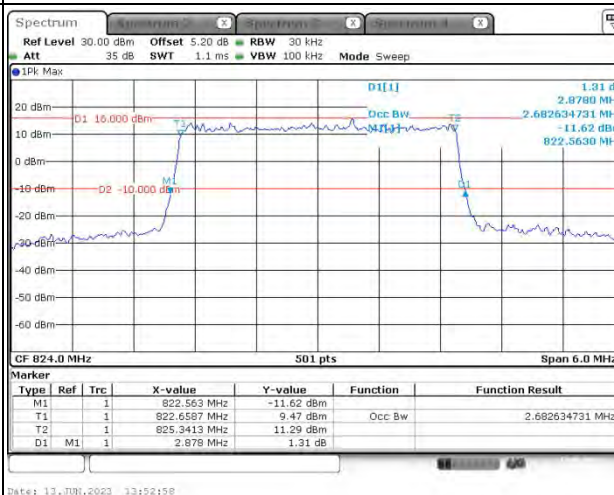
Lowest
For 22HMiddle
For 22HHighest
For 22H

Occupied Bandwidth

Channel

3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

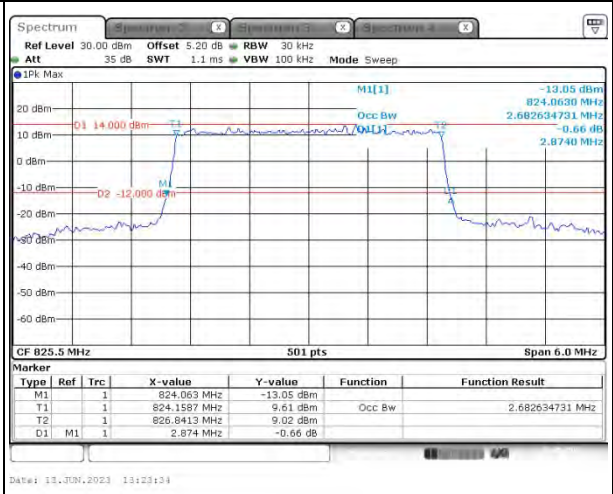
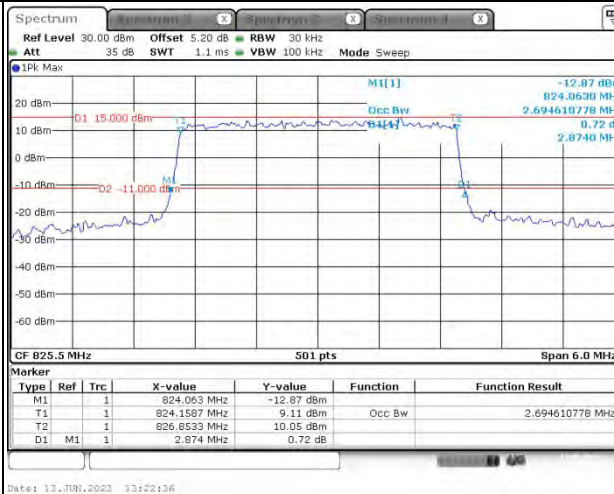
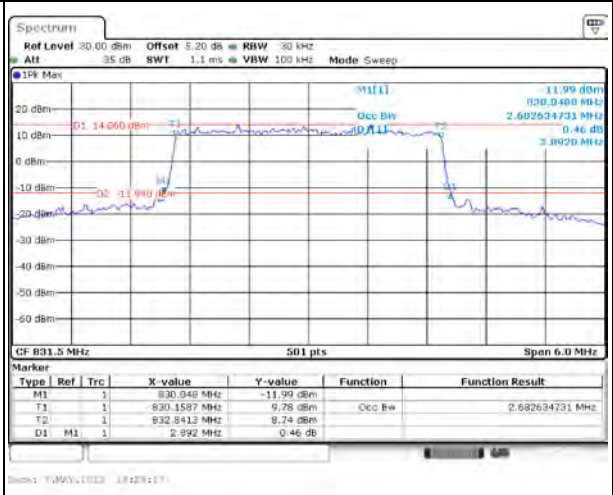
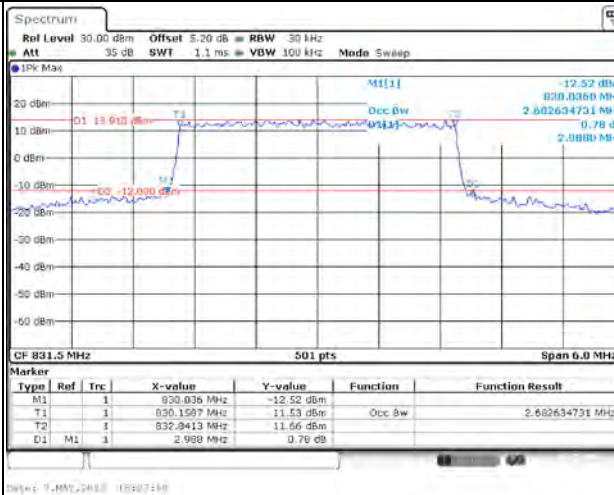
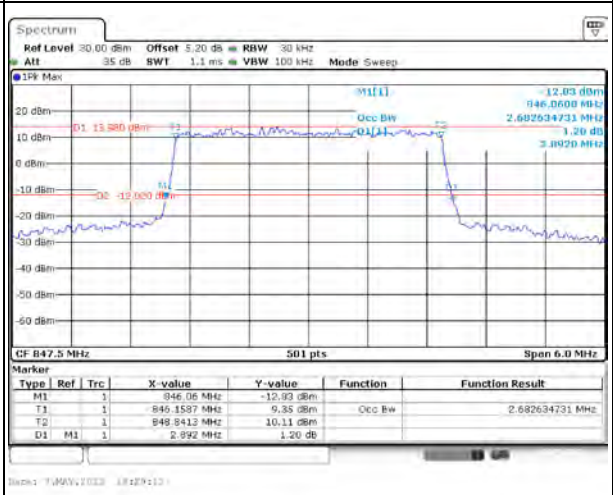
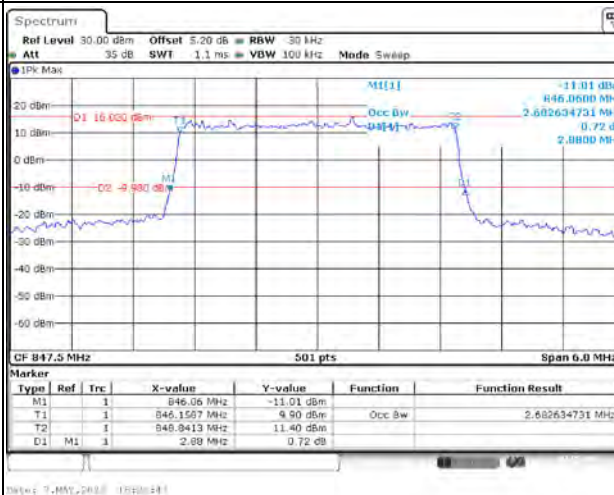
Lowest
For 90SHighest
For 90SCross
Channel

Occupied Bandwidth

Channel

3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

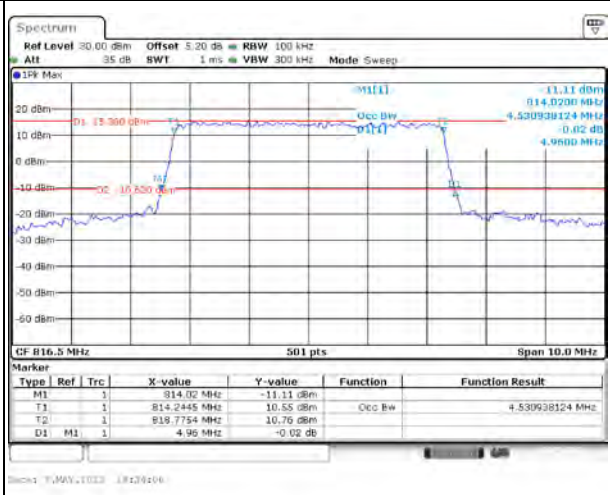
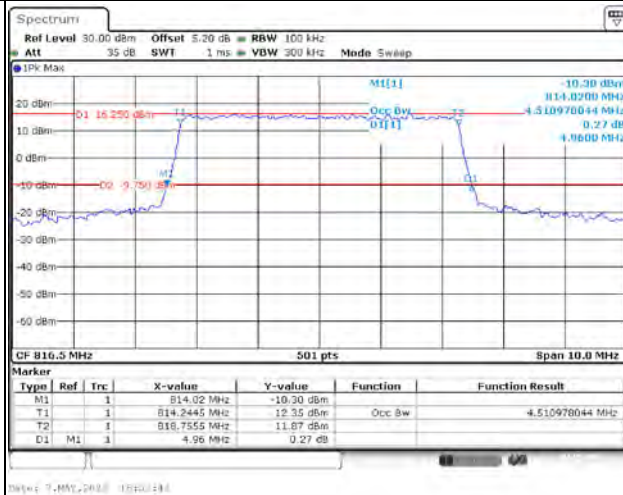
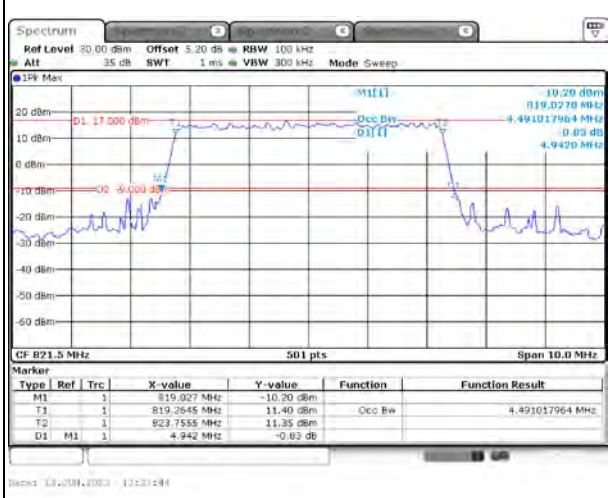
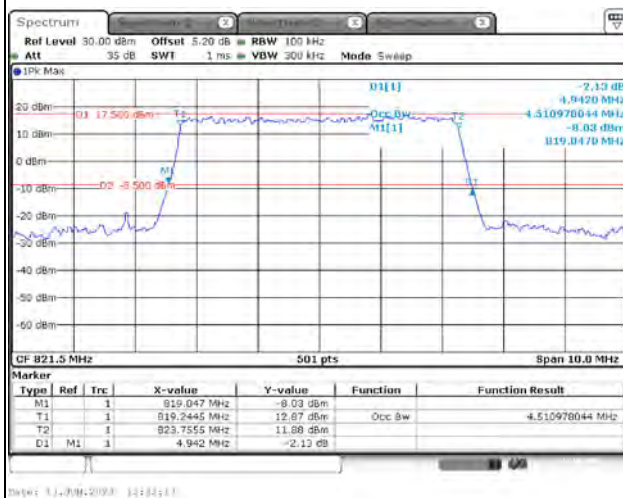
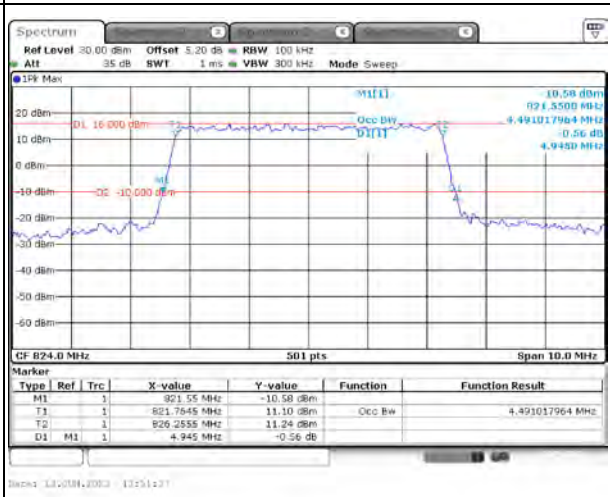
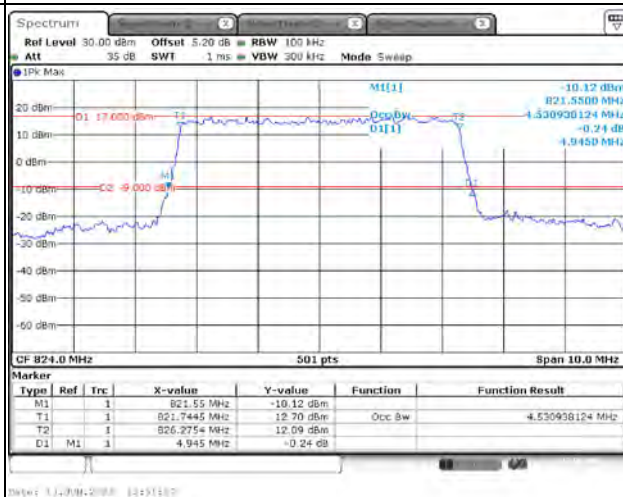
Lowest
For 22HMiddle
For 22HHighest
For 22H

Occupied Bandwidth

Channel

5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

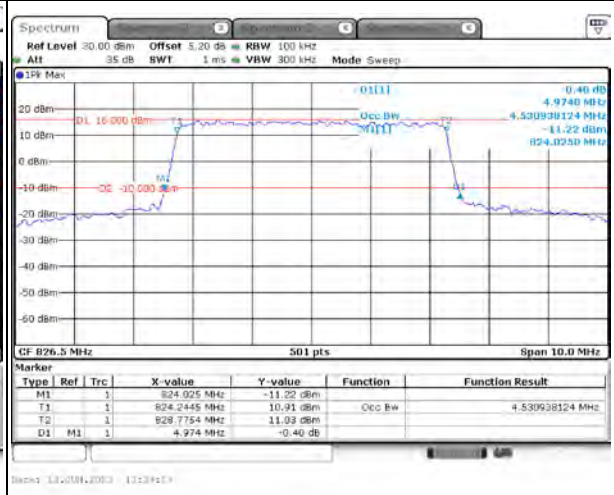
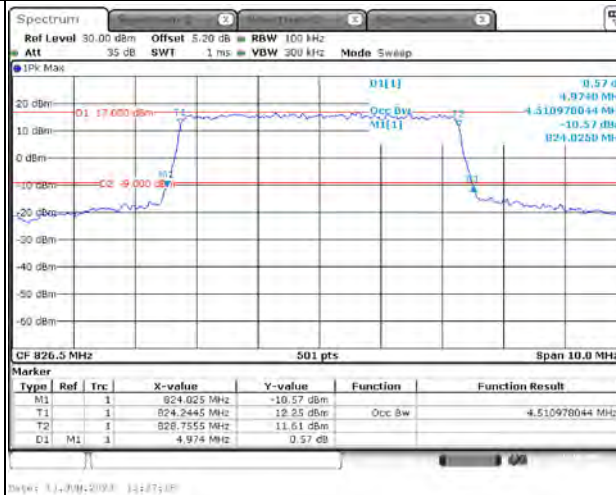
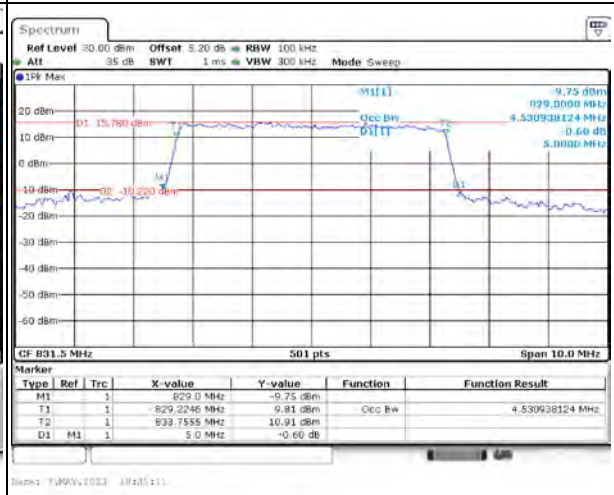
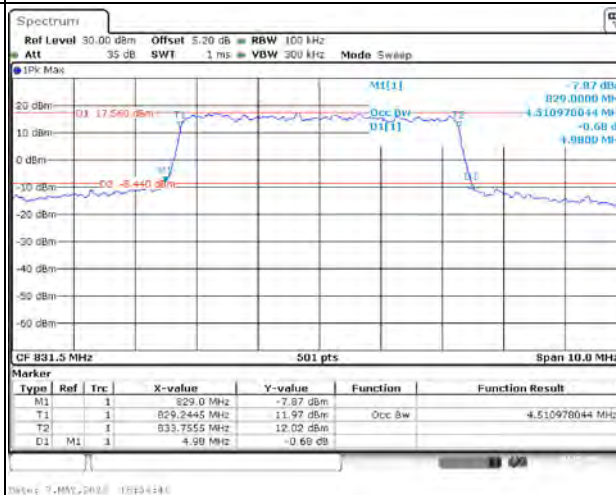
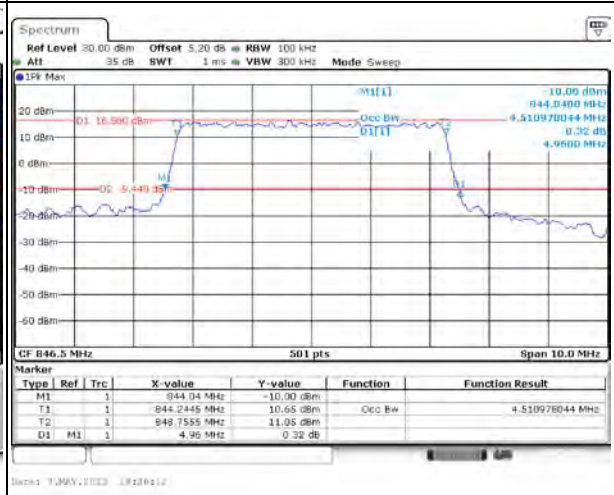
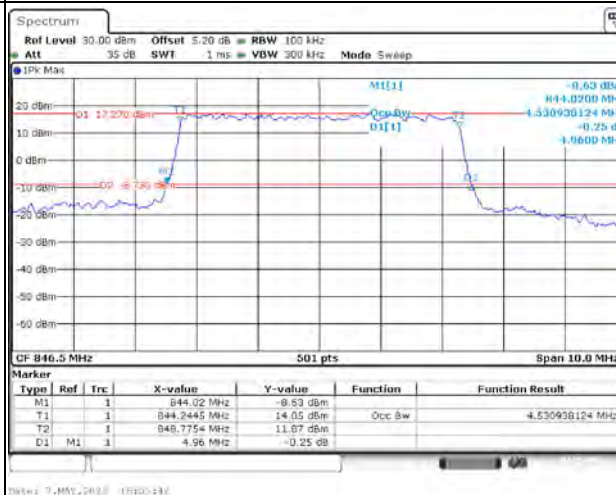
Lowest
For 90SHighest
For 90SCross
Channel

Occupied Bandwidth

Channel

5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

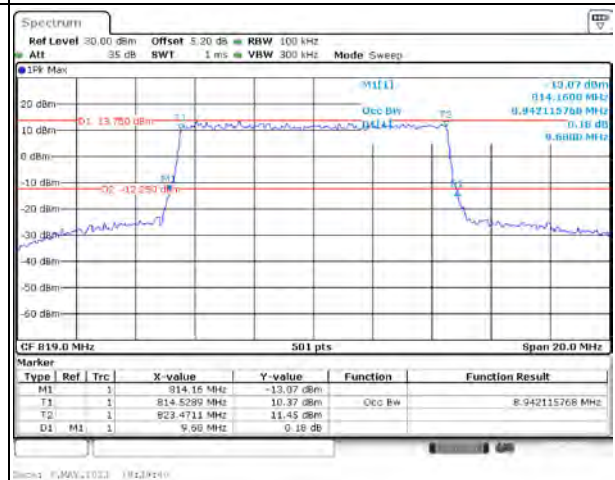
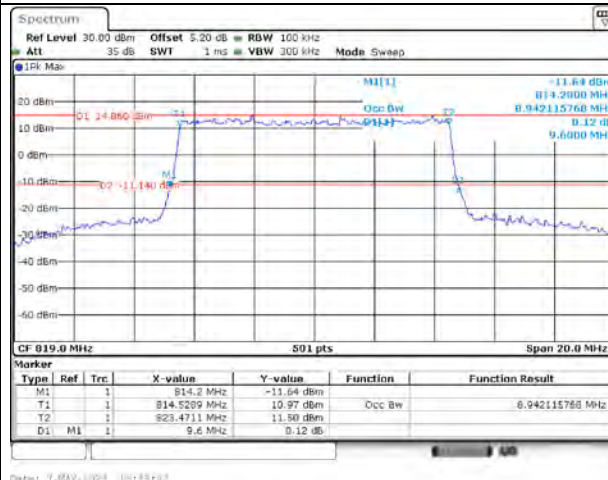
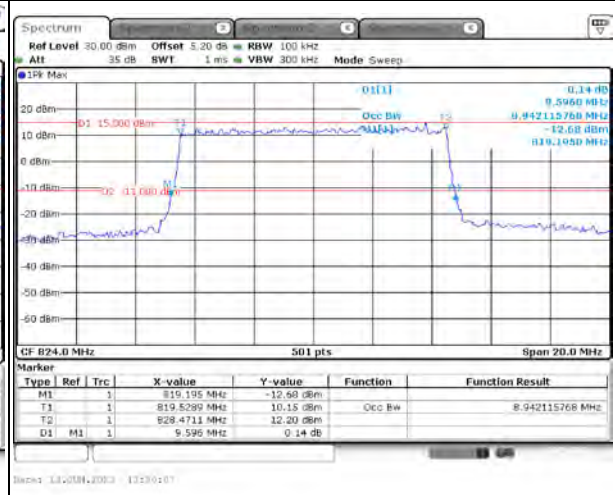
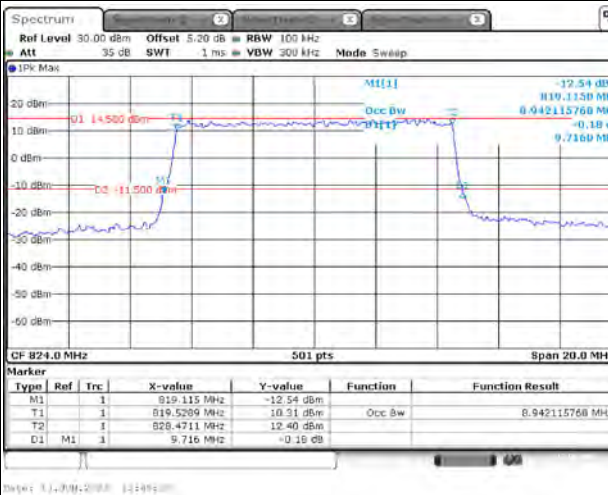
Lowest
For 22HMiddle
For 22HHighest
For 22H

Occupied Bandwidth

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

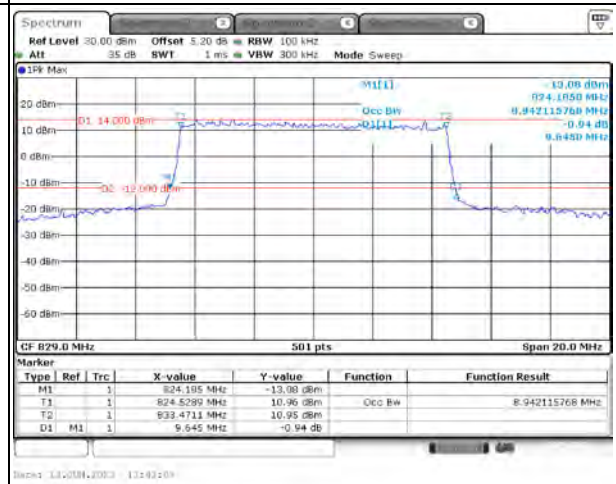
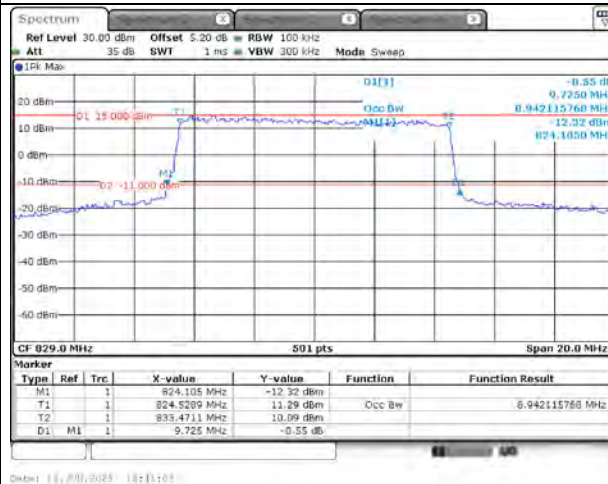
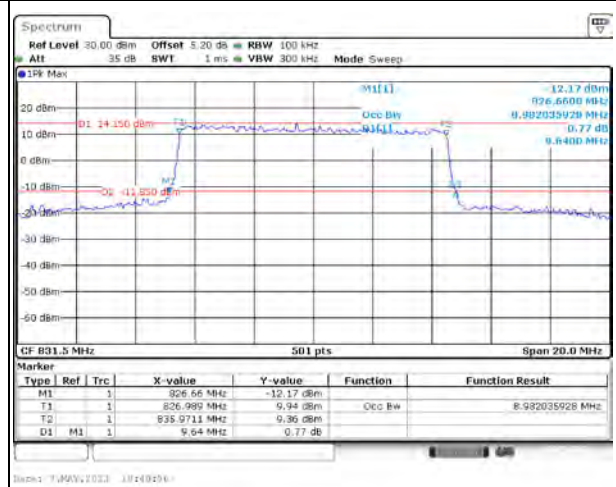
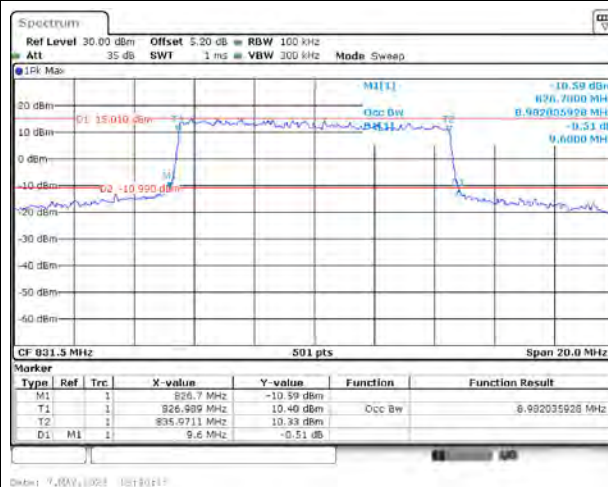
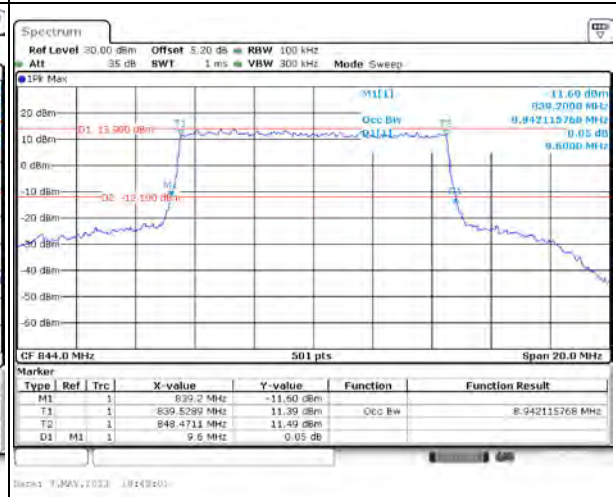
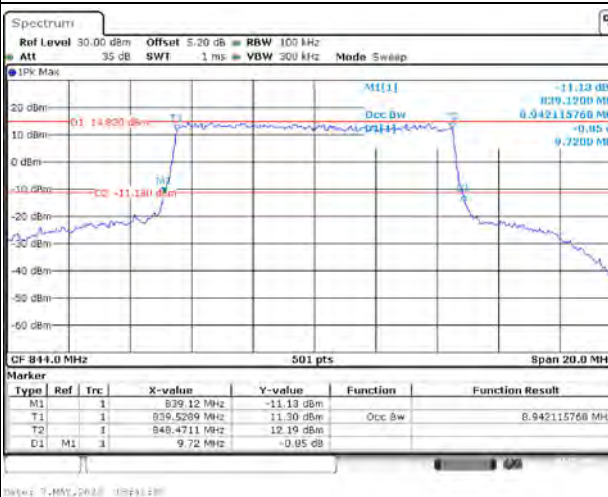
Lowest
For 90SCross
Channel

Occupied Bandwidth

Channel

10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

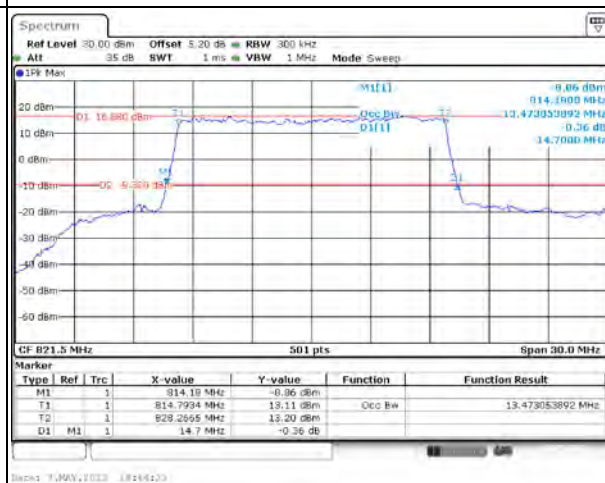
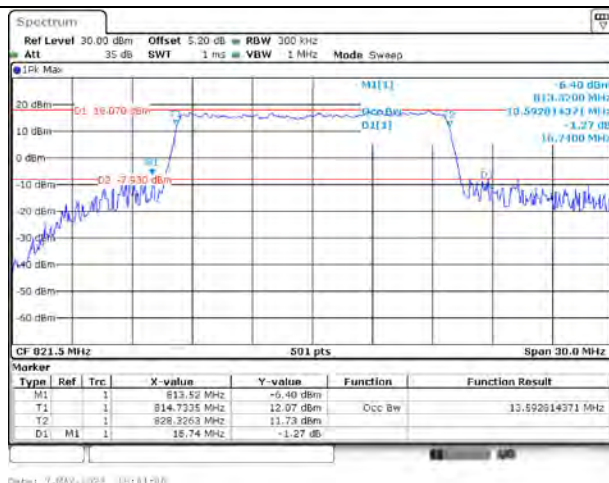
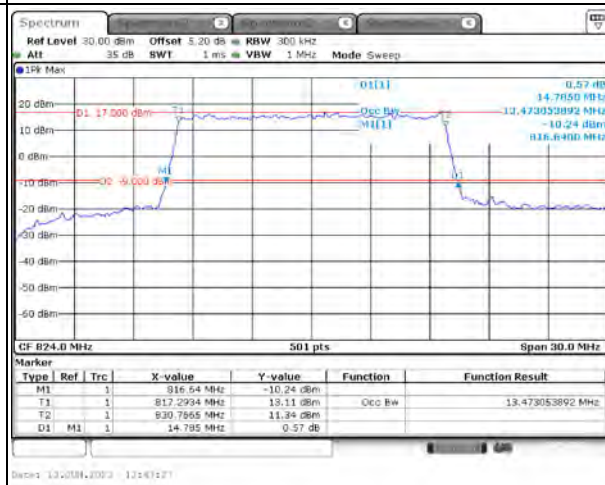
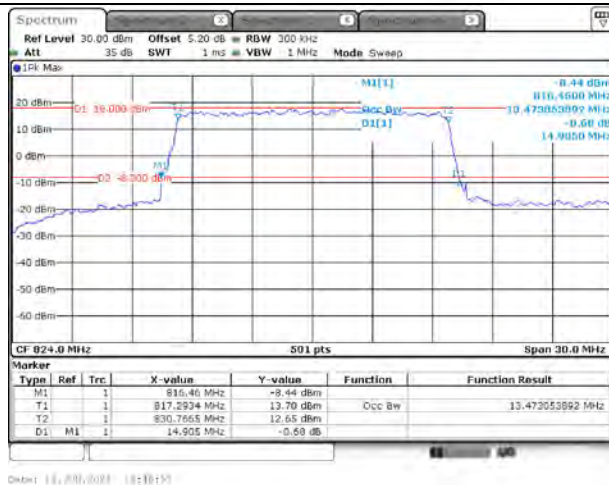
Lowest
For 22HMiddle
For 22HHighest
For 22H

Occupied Bandwidth

Channel

15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

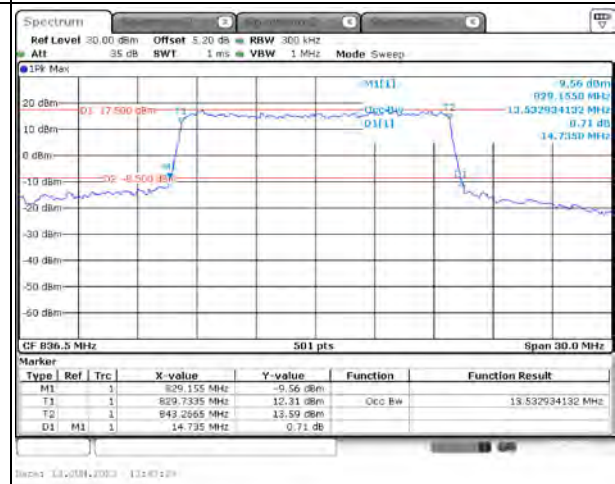
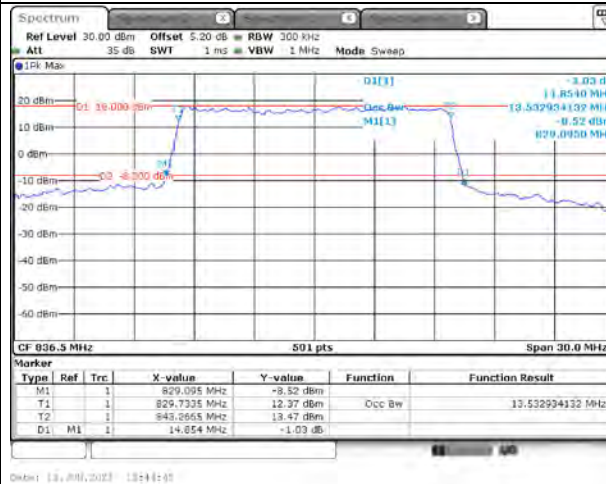
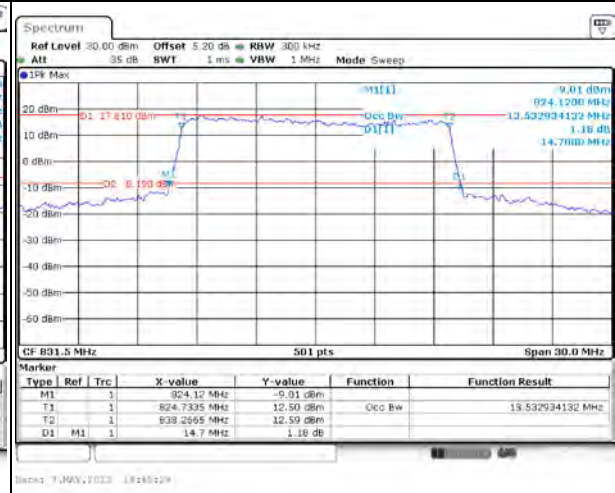
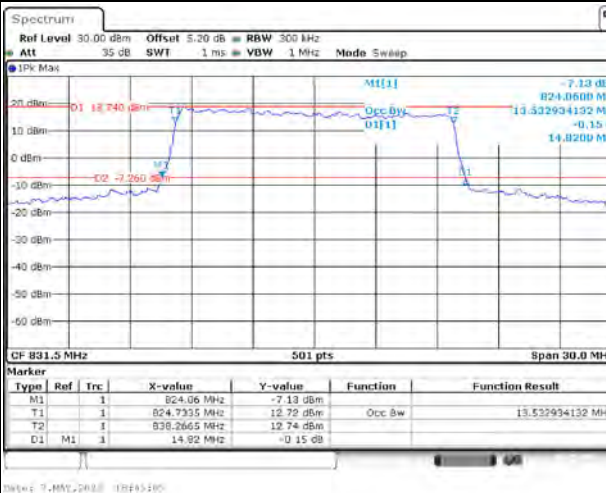
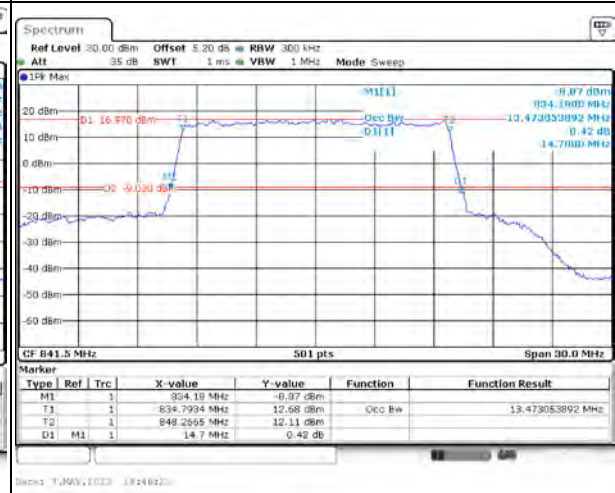
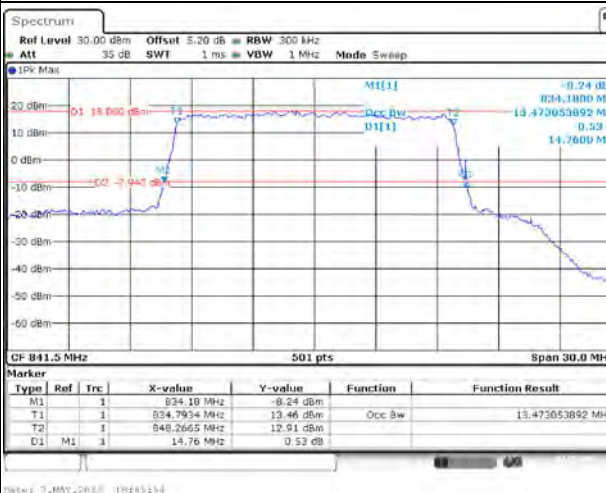
Lowest
For 90SCross
Channel

Occupied Bandwidth

Channel

15MHz Bandwidth QPSK

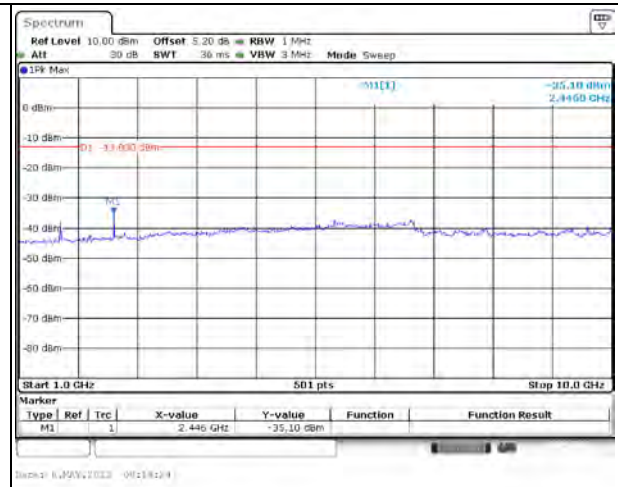
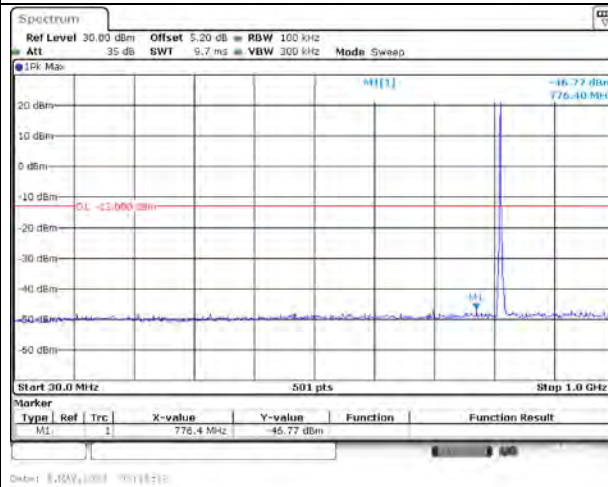
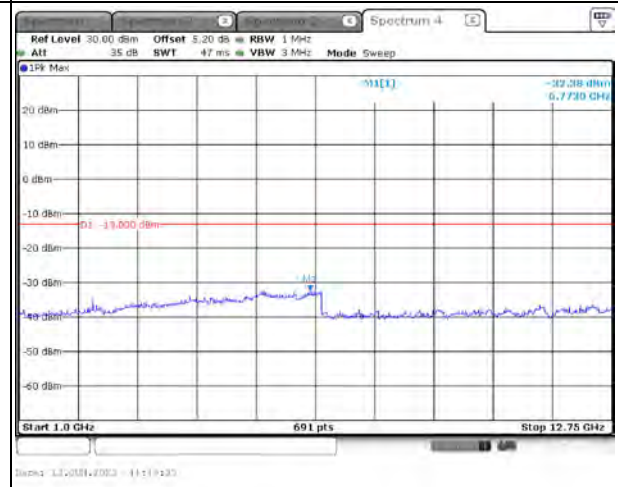
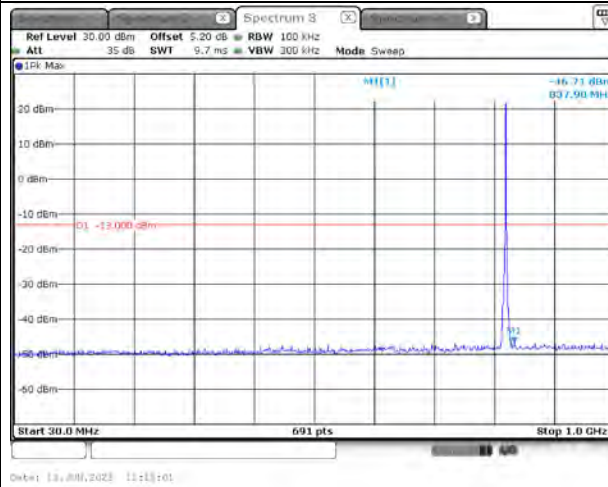
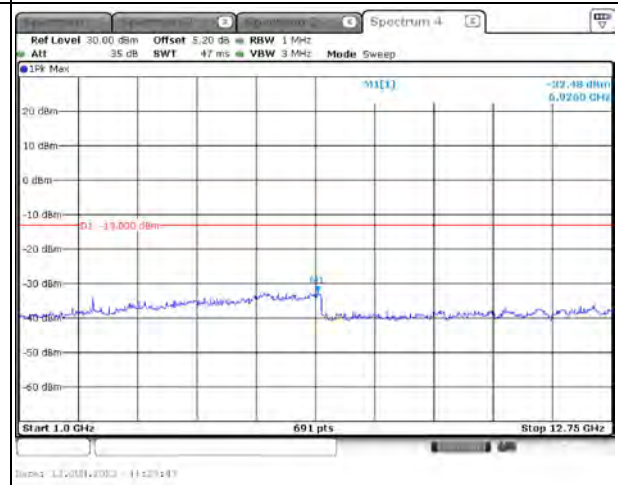
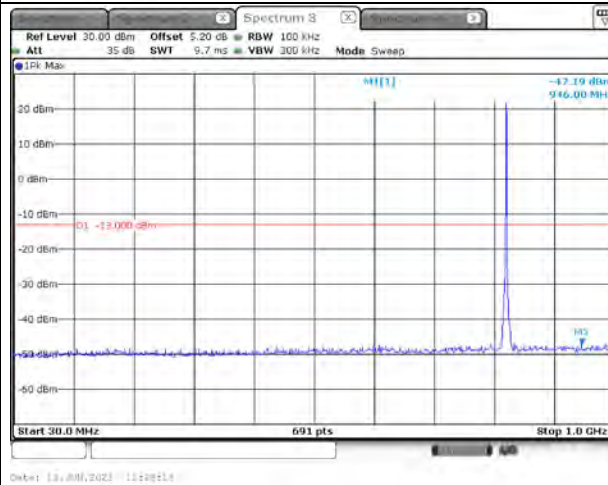
15MHz Bandwidth 16QAM

Lowest
For 22HMiddle
For 22HHighest
For 22H

Spurious Emissions at Antenna Terminal

Channel

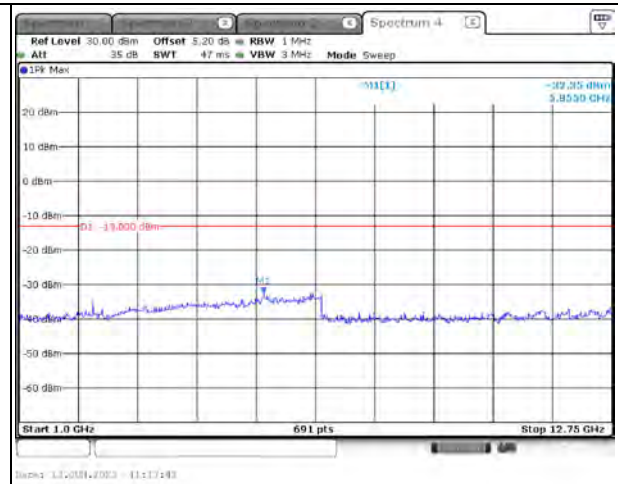
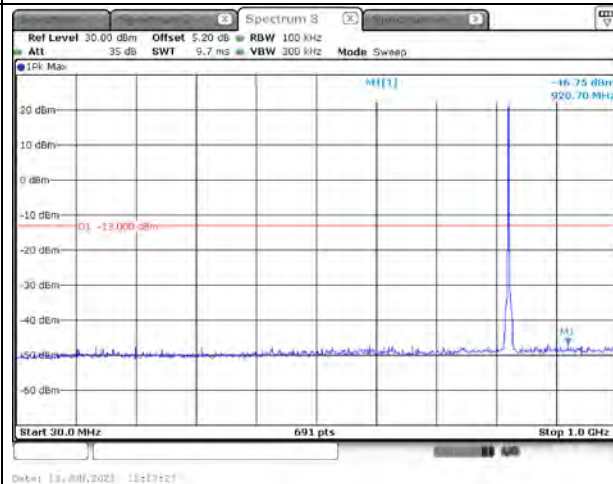
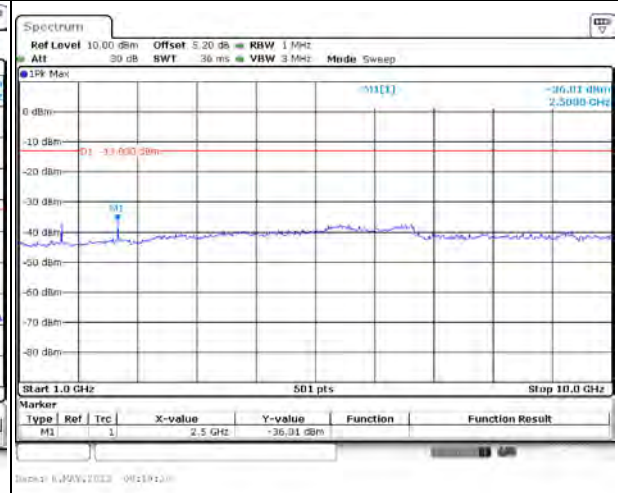
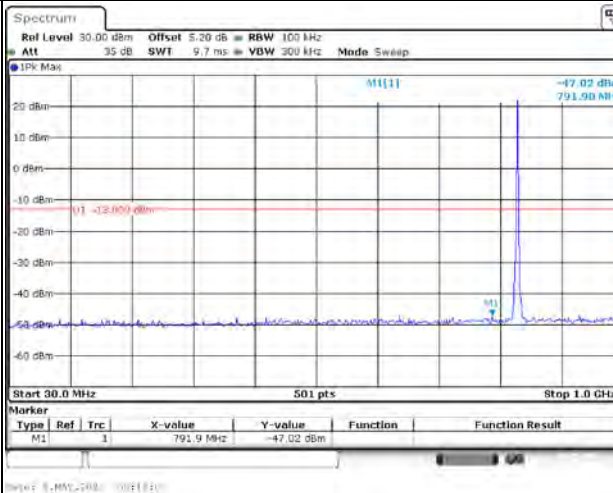
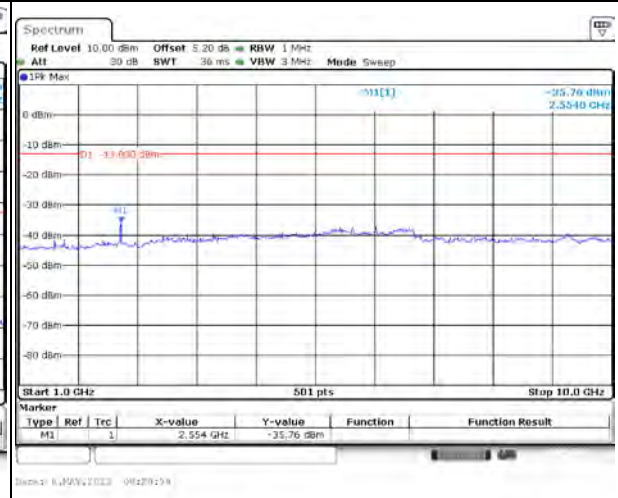
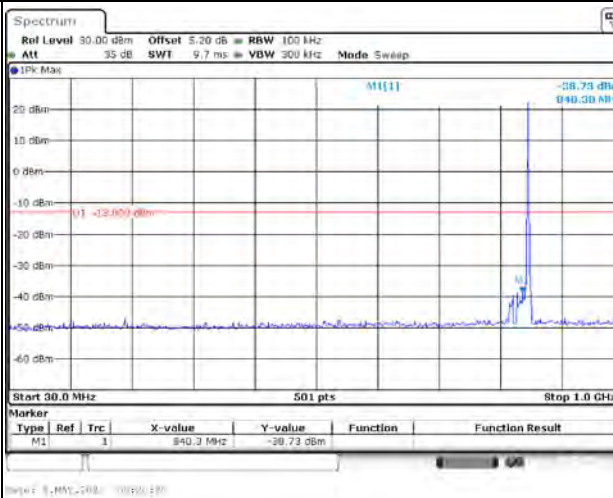
1.4MHz Bandwidth QPSK

Lowest
For 90SHighest
For 90SCross
Channel

Spurious Emissions at Antenna Terminal

Channel

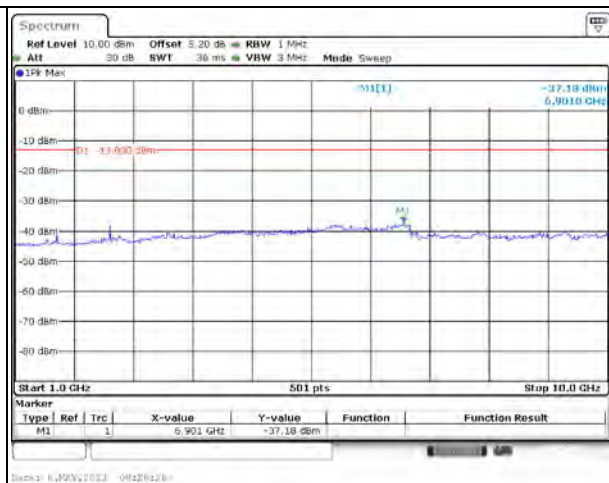
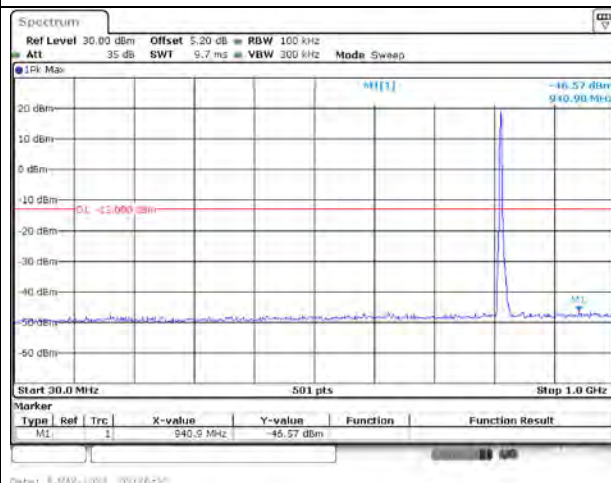
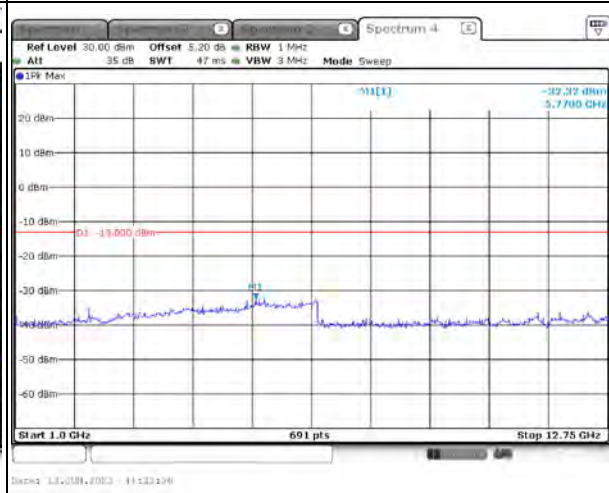
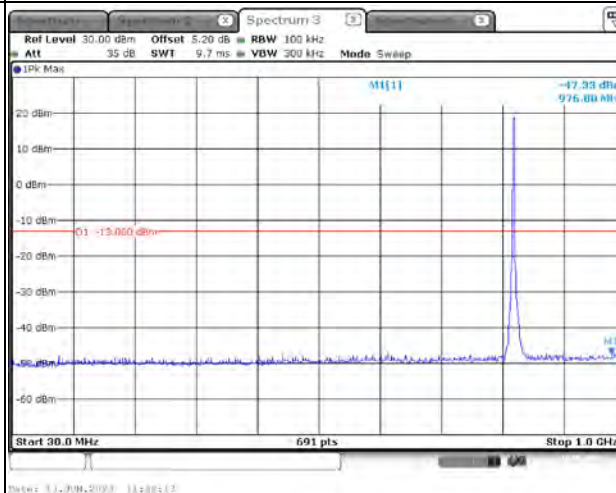
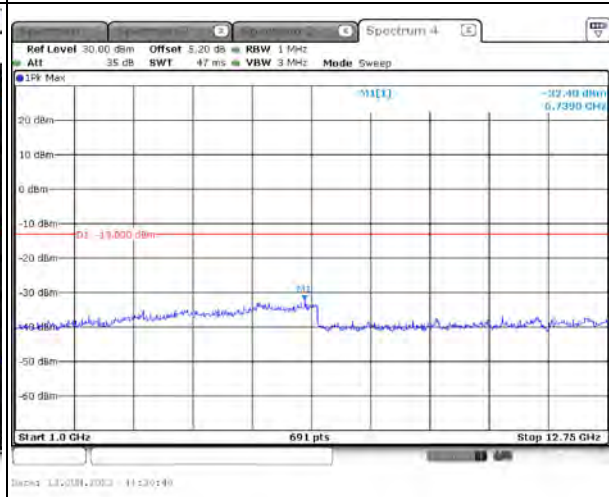
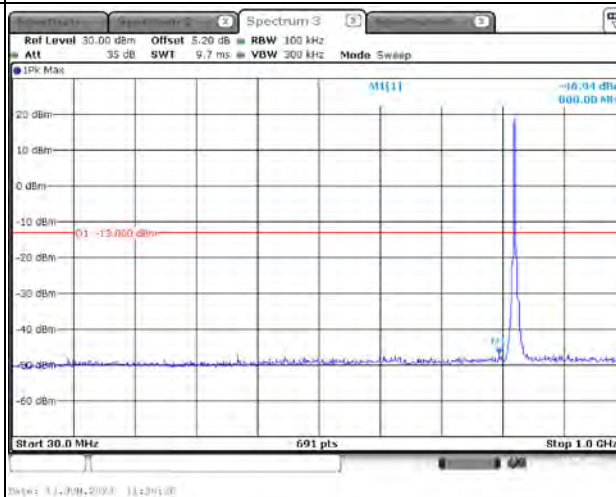
1.4MHz Bandwidth QPSK

Lowest
For 22HMiddle
For 22HHighest
For 22H

Spurious Emissions at Antenna Terminal

Channel

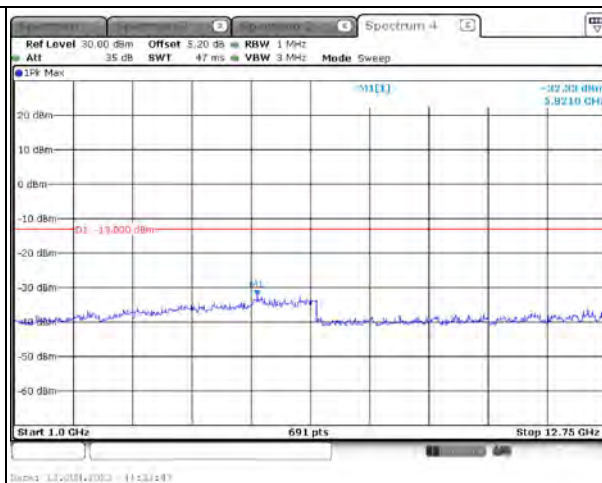
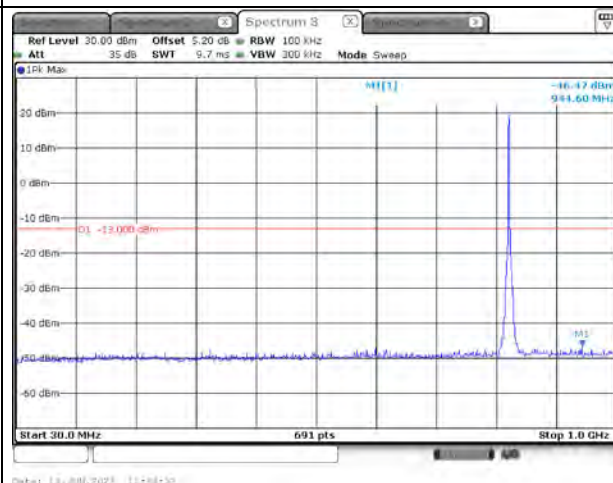
3MHz Bandwidth QPSK

Lowest
For 90SHighest
For 90SCross
Channel

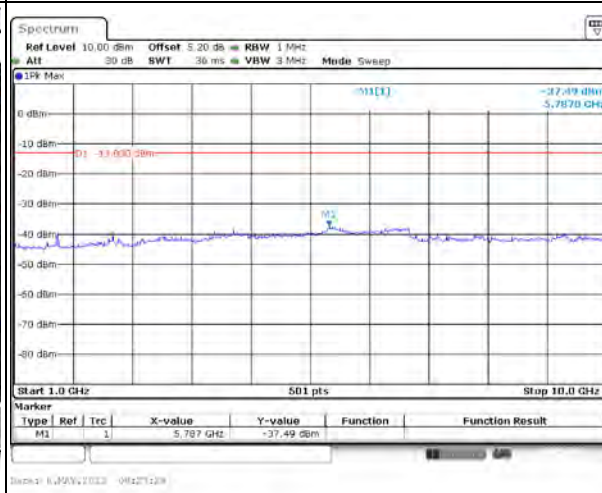
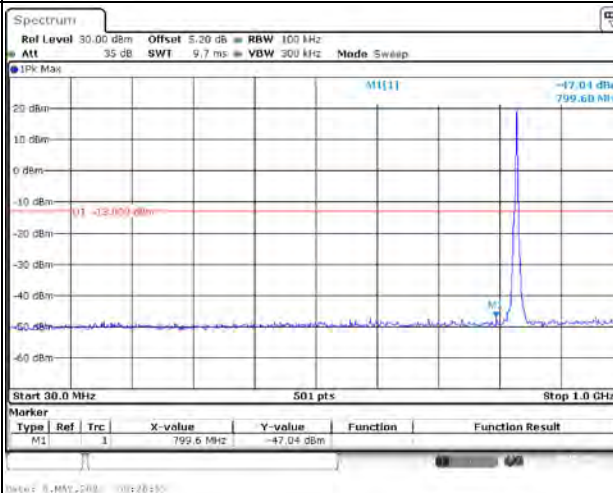
Channel

3MHz Bandwidth QPSK

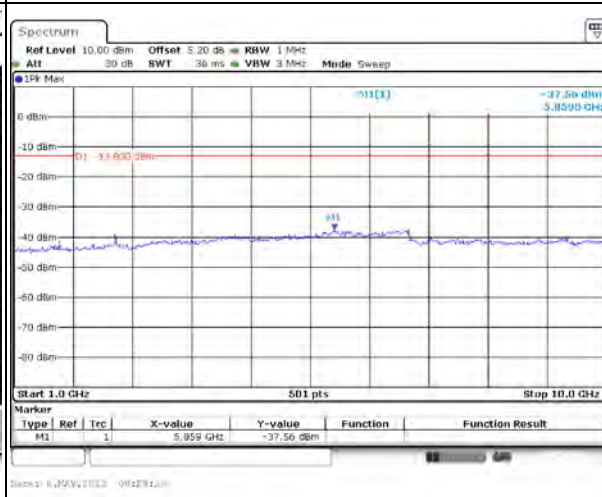
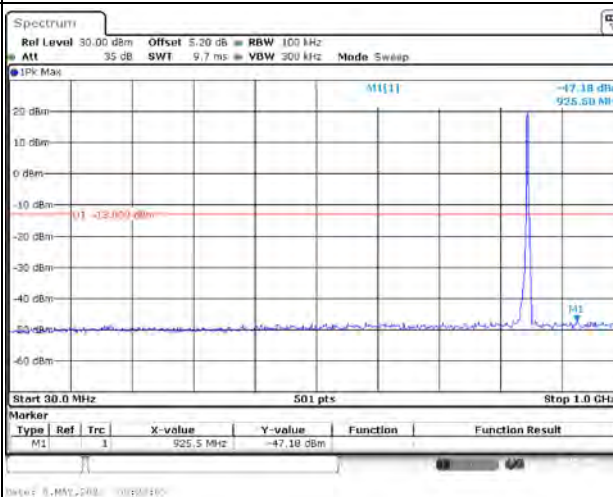
Lowest
For 22H



Middle
For 22H



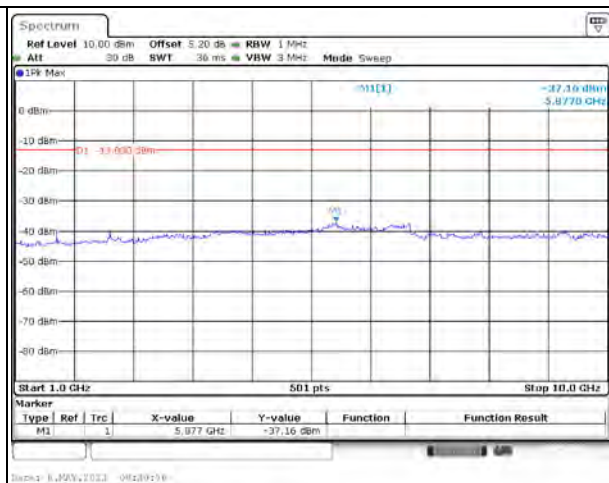
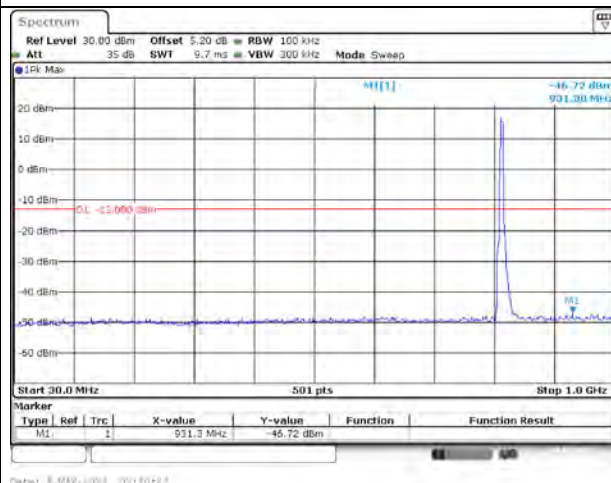
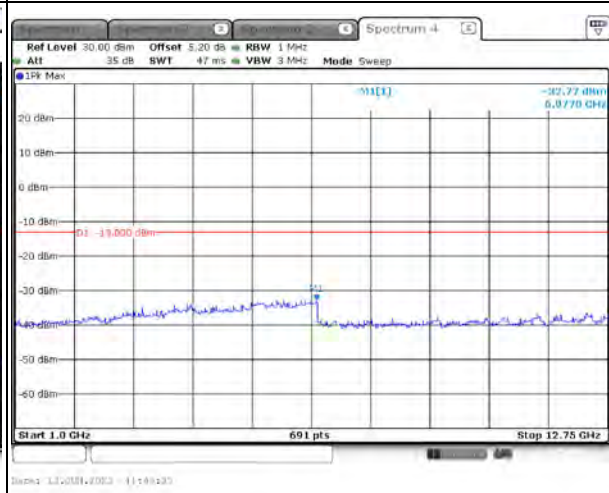
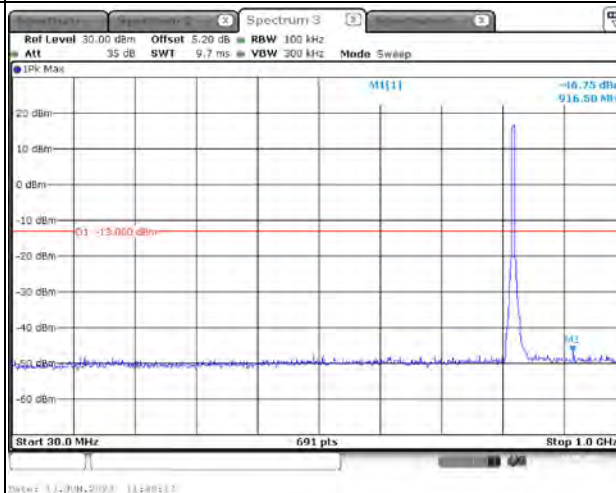
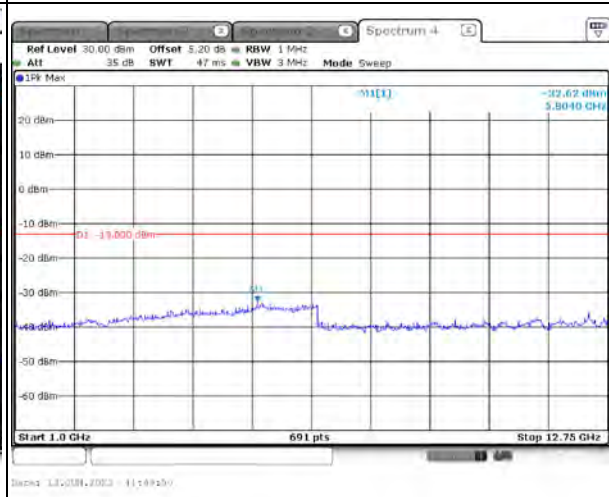
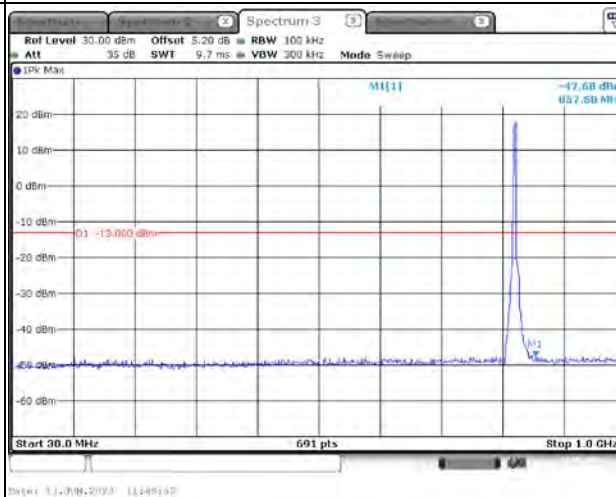
Highest
For 22H



Spurious Emissions at Antenna Terminal

Channel

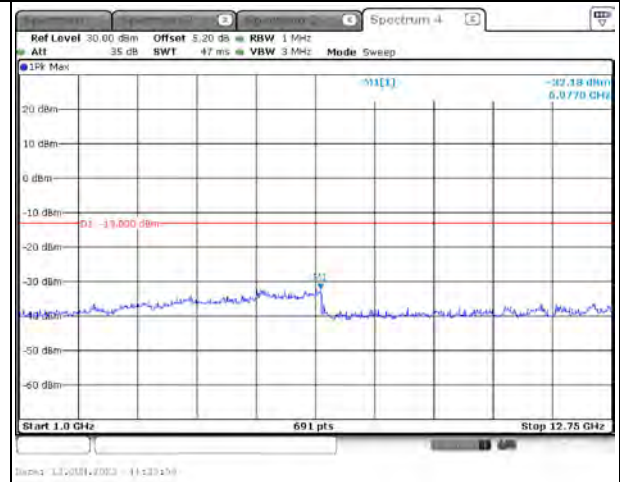
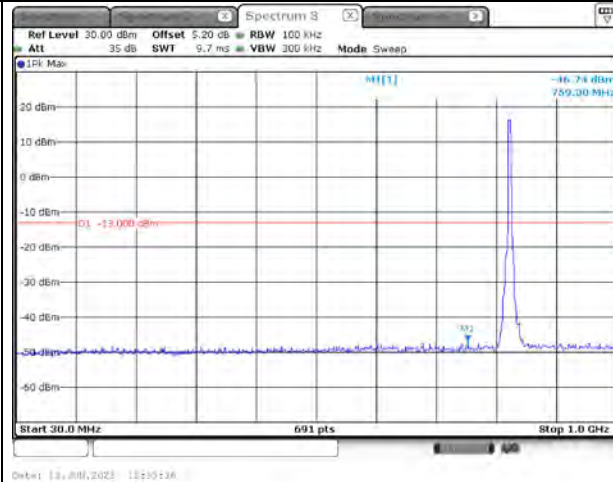
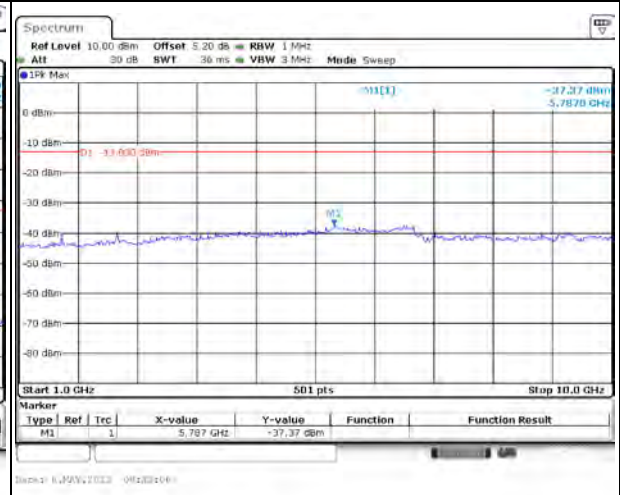
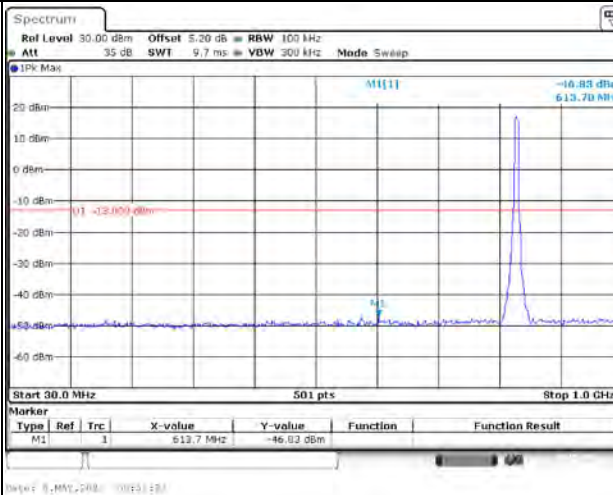
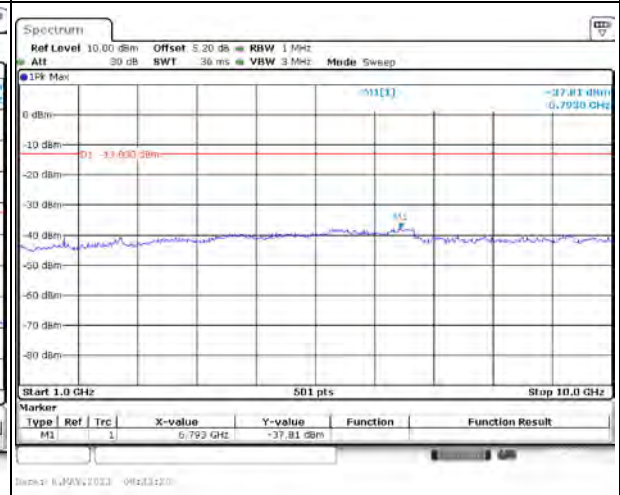
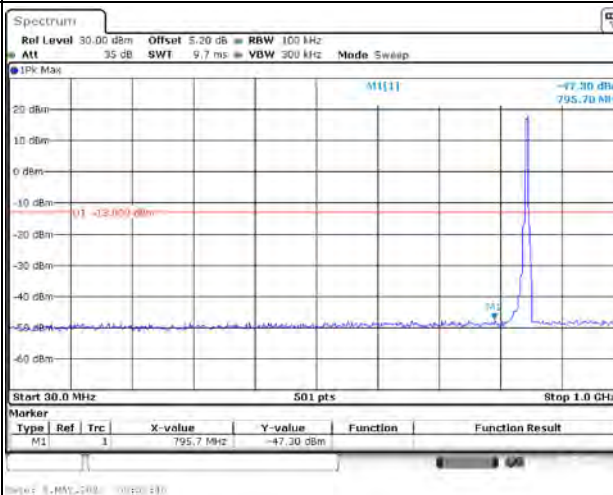
5MHz Bandwidth QPSK

Lowest
For 90SHighest
For 90SCross
Channel

Spurious Emissions at Antenna Terminal

Channel

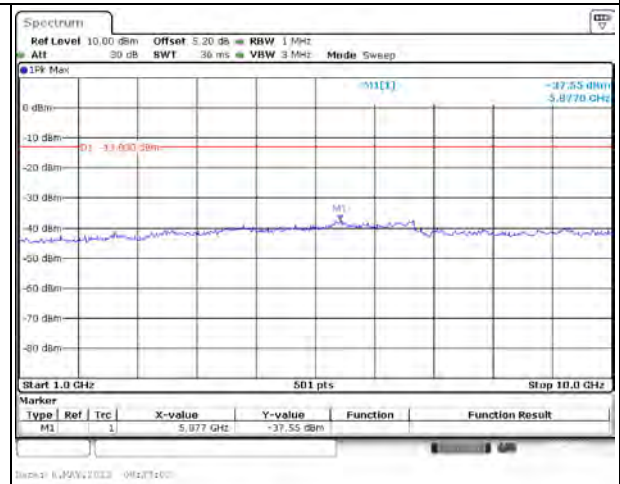
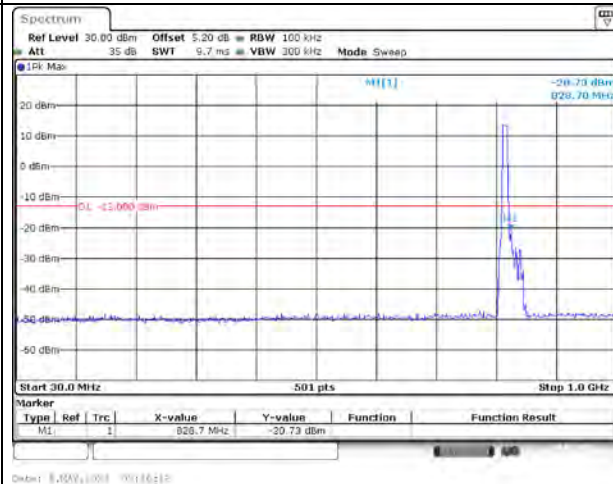
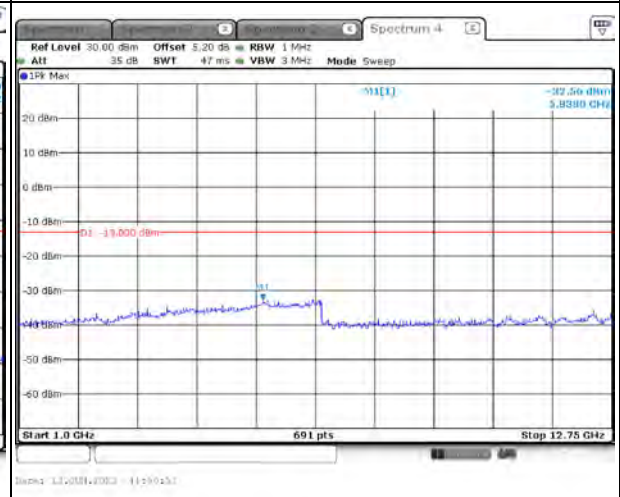
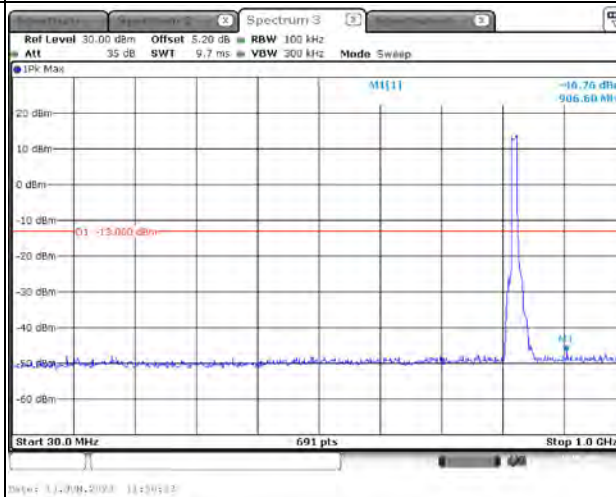
5MHz Bandwidth QPSK

Lowest
For 22HMiddle
For 22HHighest
For 22H

Spurious Emissions at Antenna Terminal

Channel

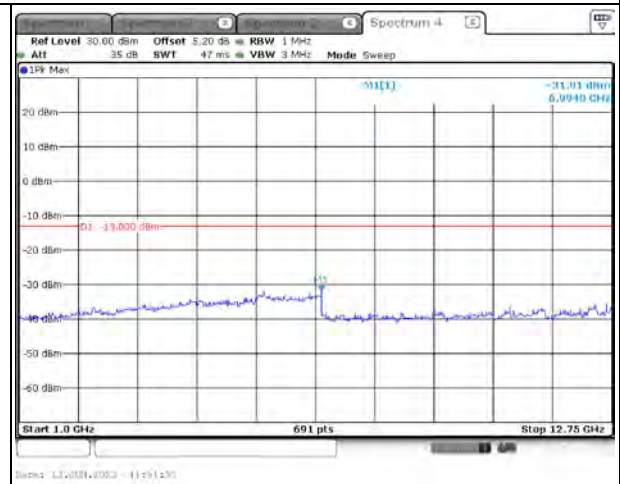
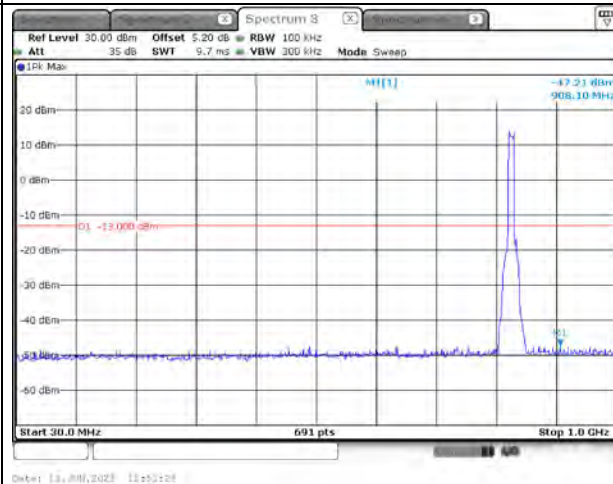
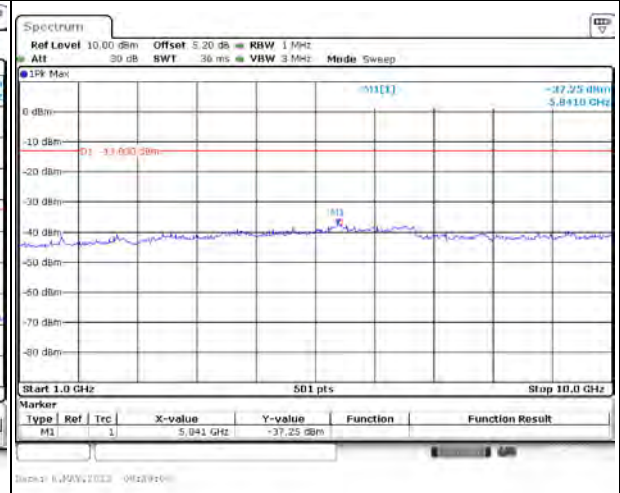
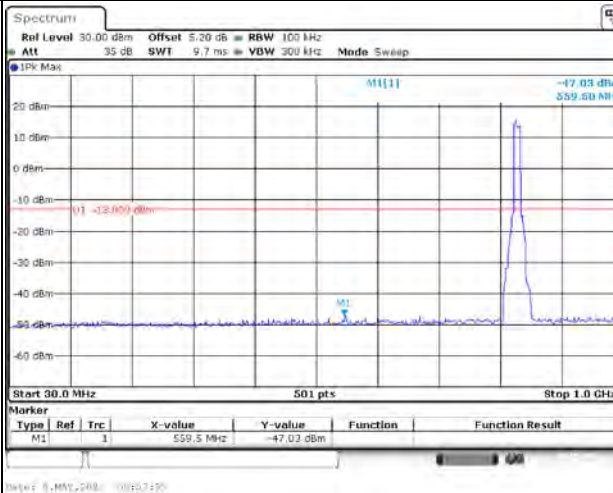
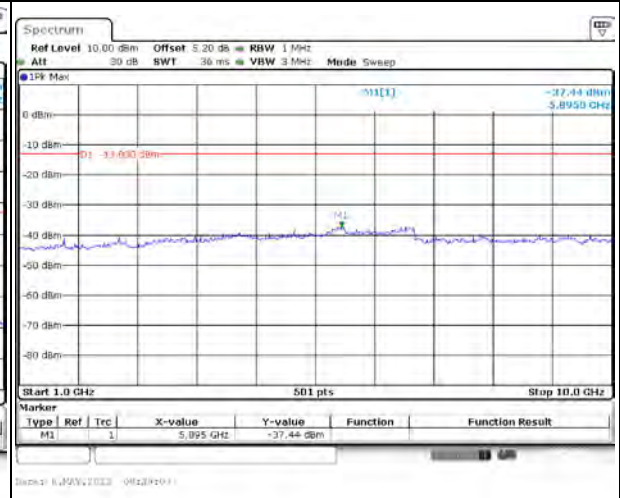
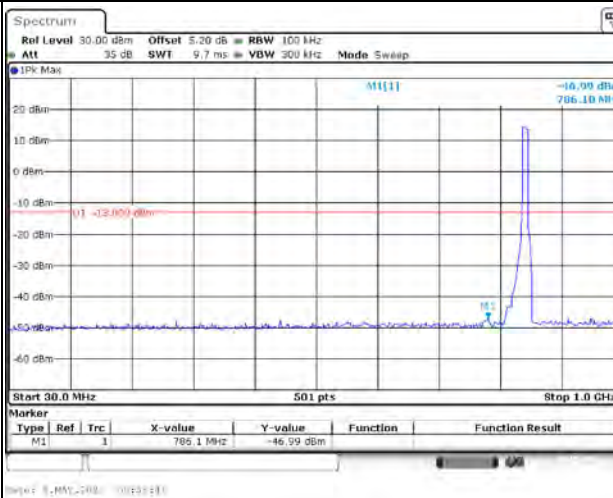
10MHz Bandwidth QPSK

Lowest
For 90SCross
Channel

Spurious Emissions at Antenna Terminal

Channel

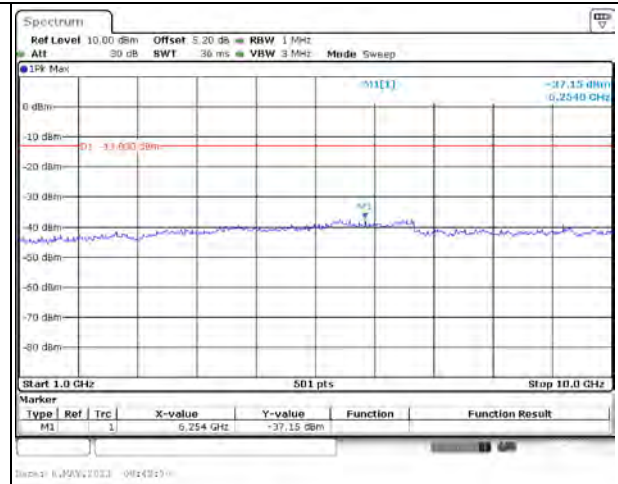
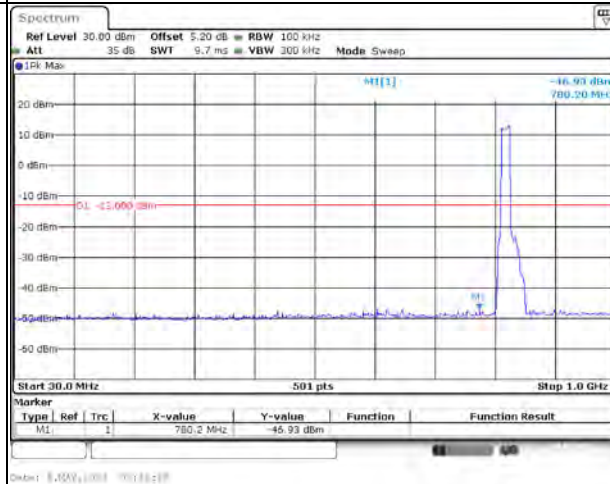
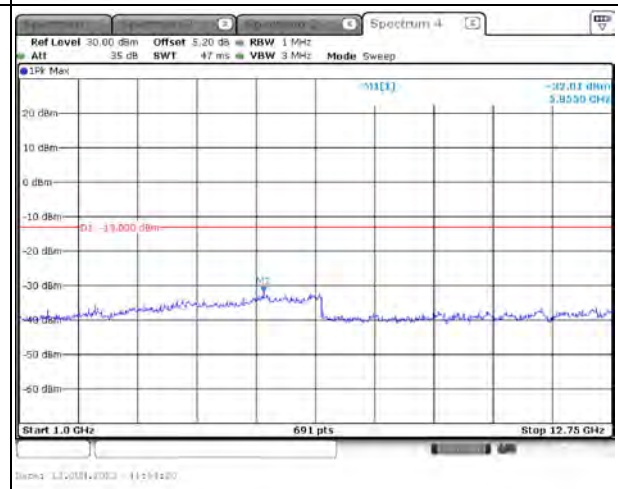
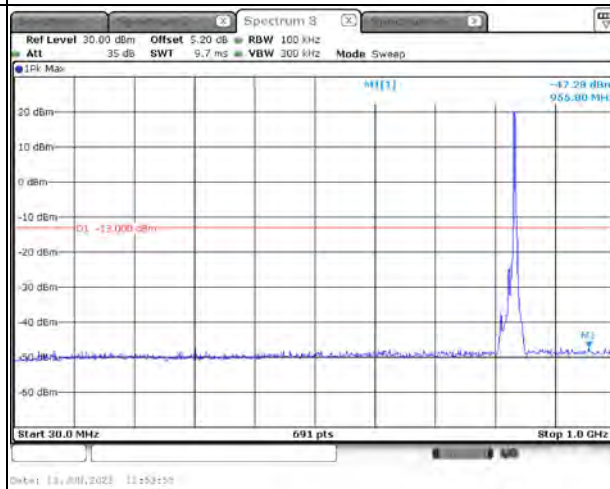
10MHz Bandwidth QPSK

Lowest
For 22HMiddle
For 22HHighest
For 22H

Spurious Emissions at Antenna Terminal

Channel

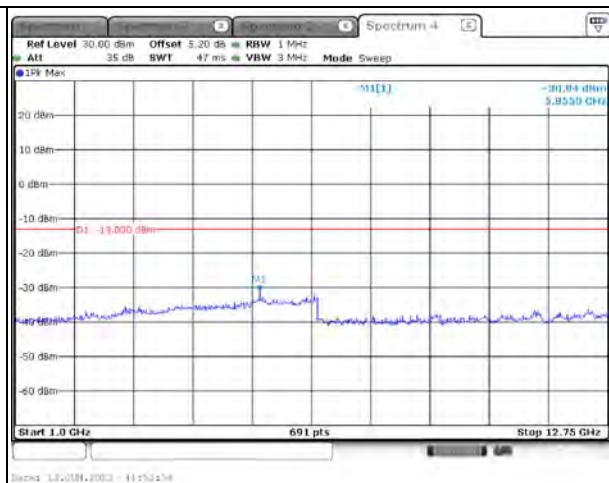
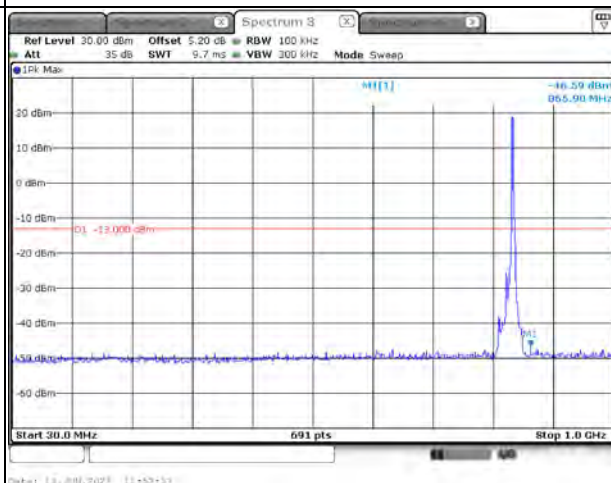
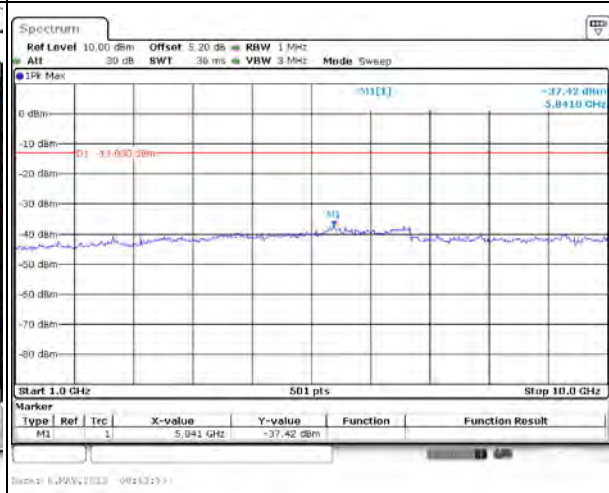
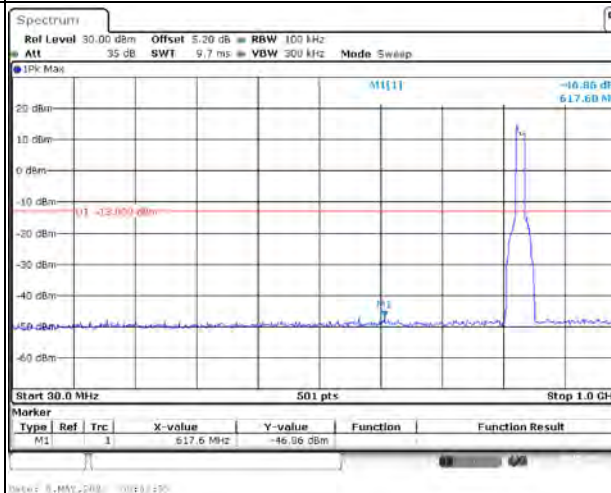
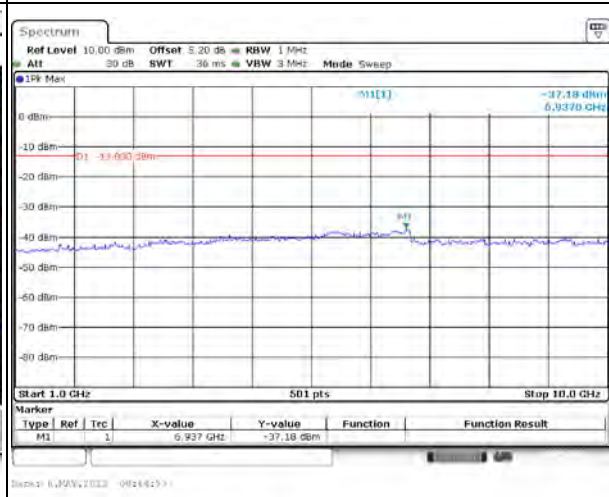
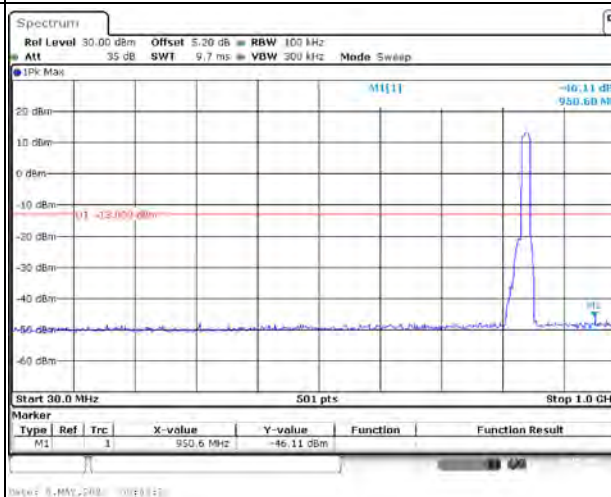
15MHz Bandwidth QPSK

Lowest
For 90SCross
Channel

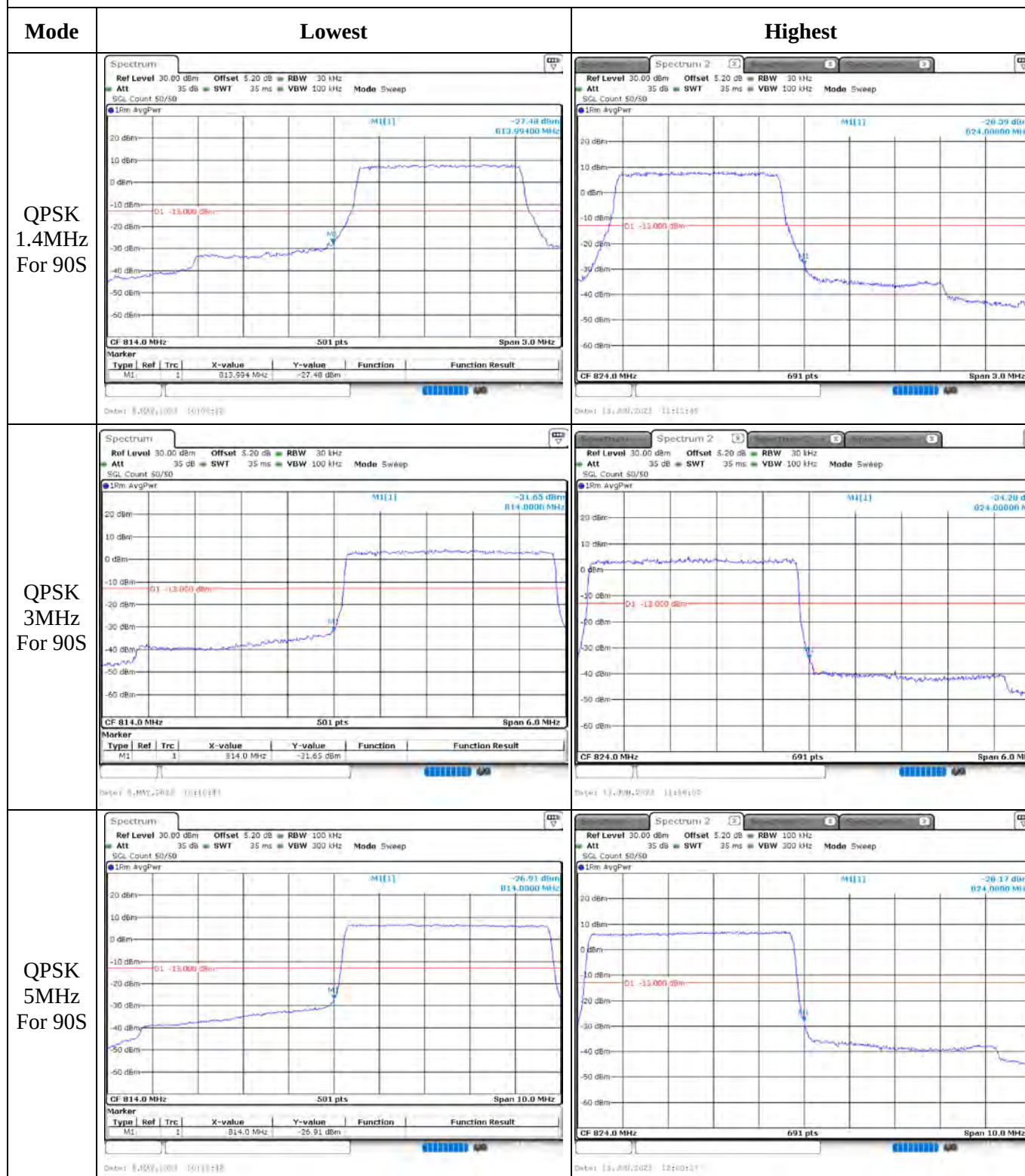
Spurious Emissions at Antenna Terminal

Channel

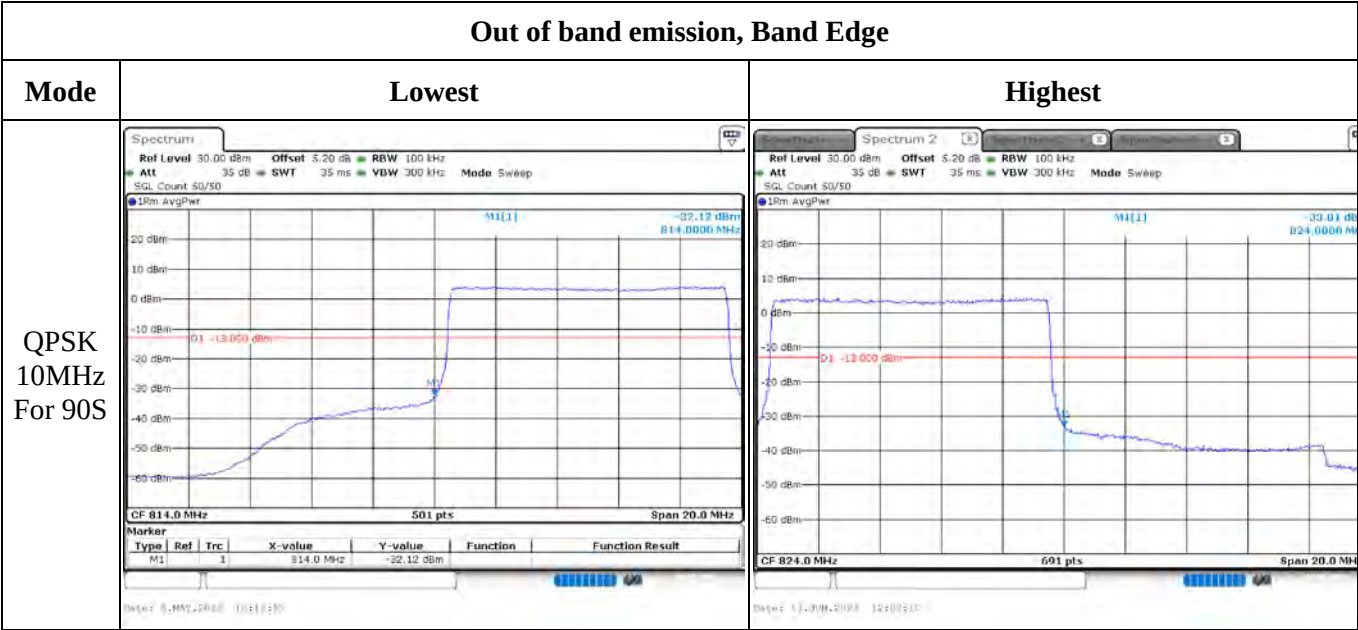
15MHz Bandwidth QPSK

Lowest
For 22HMiddle
For 22HHighest
For 22H

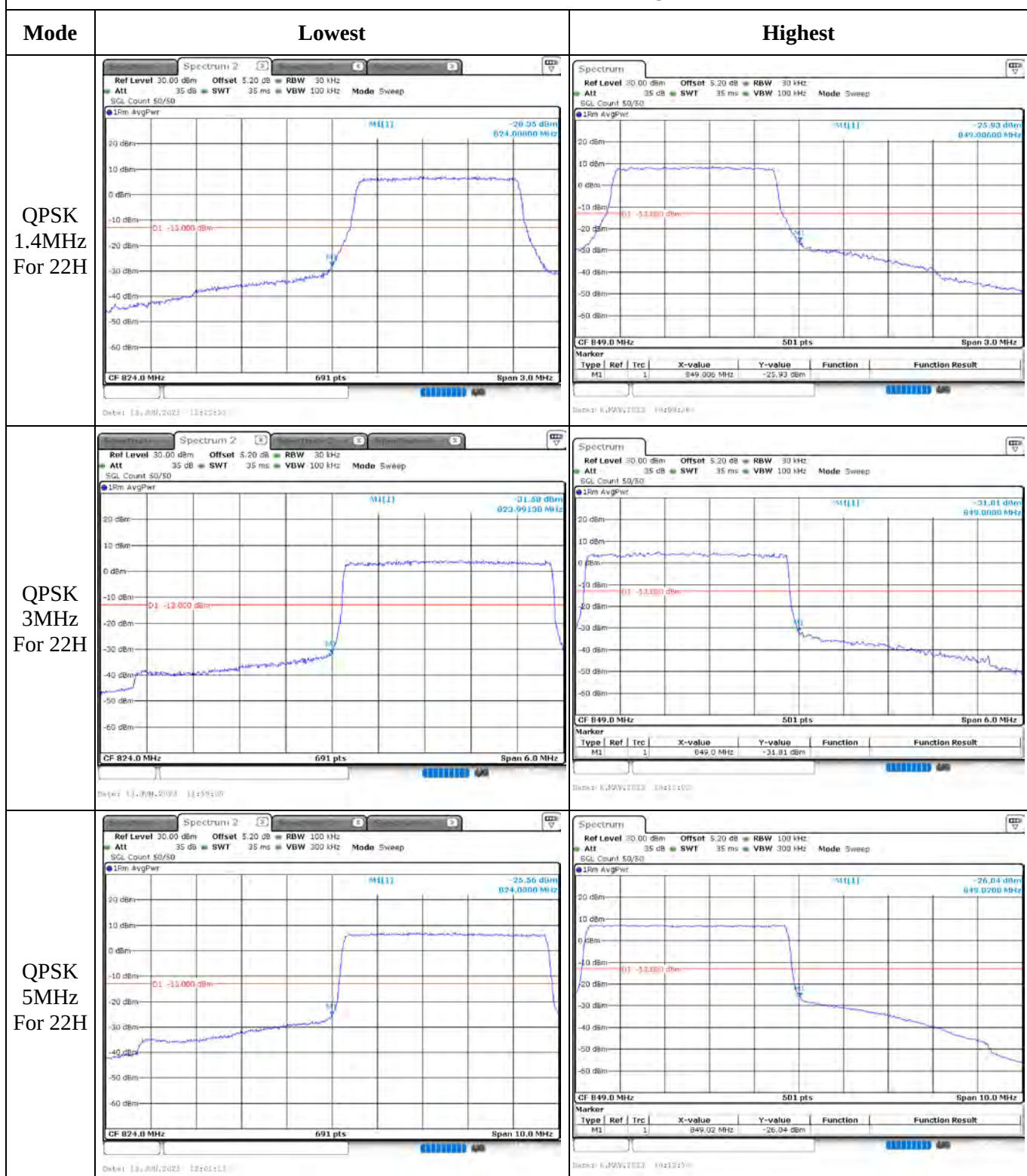
Out of band emission, Band Edge



Out of band emission, Band Edge



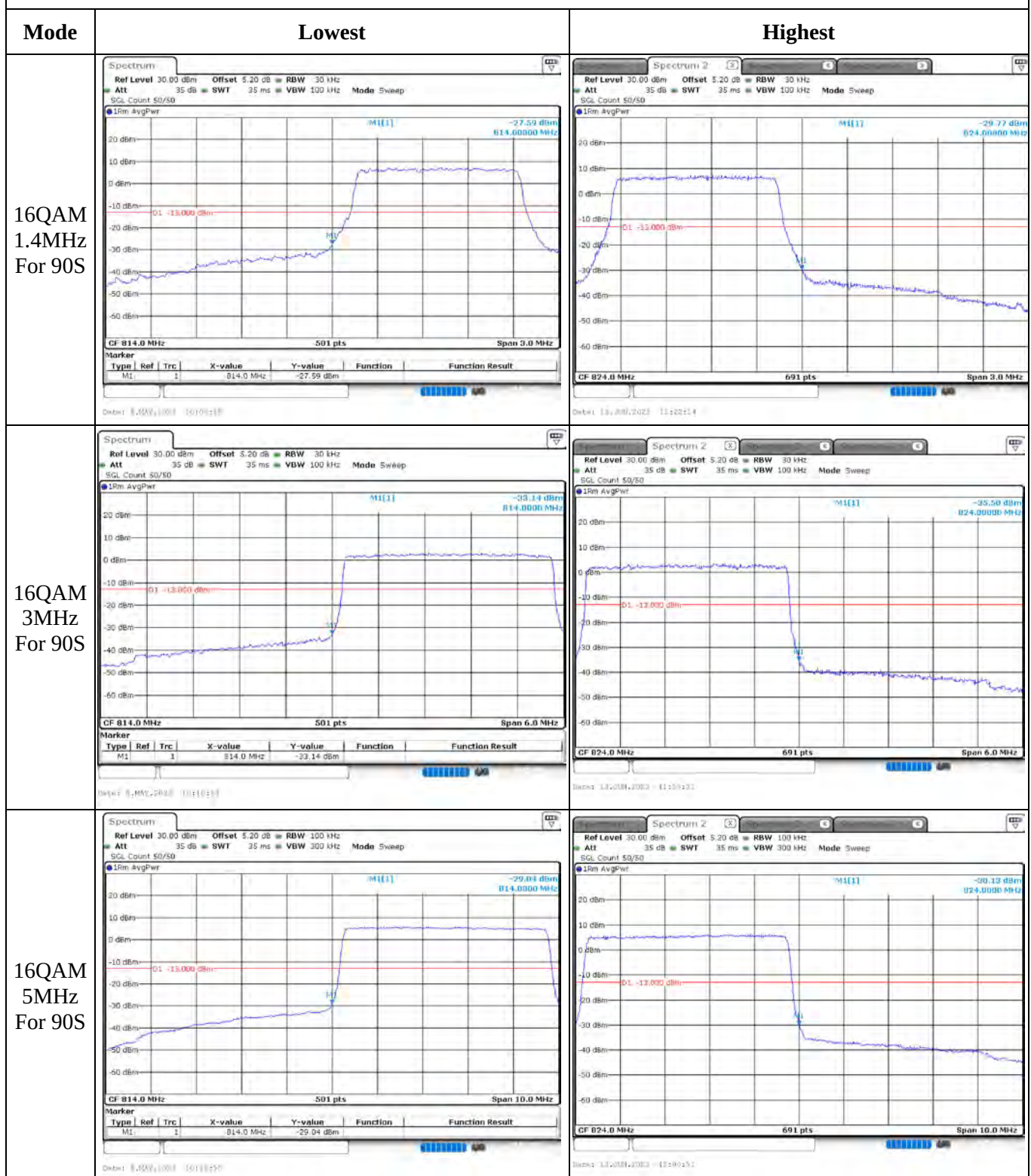
Out of band emission, Band Edge



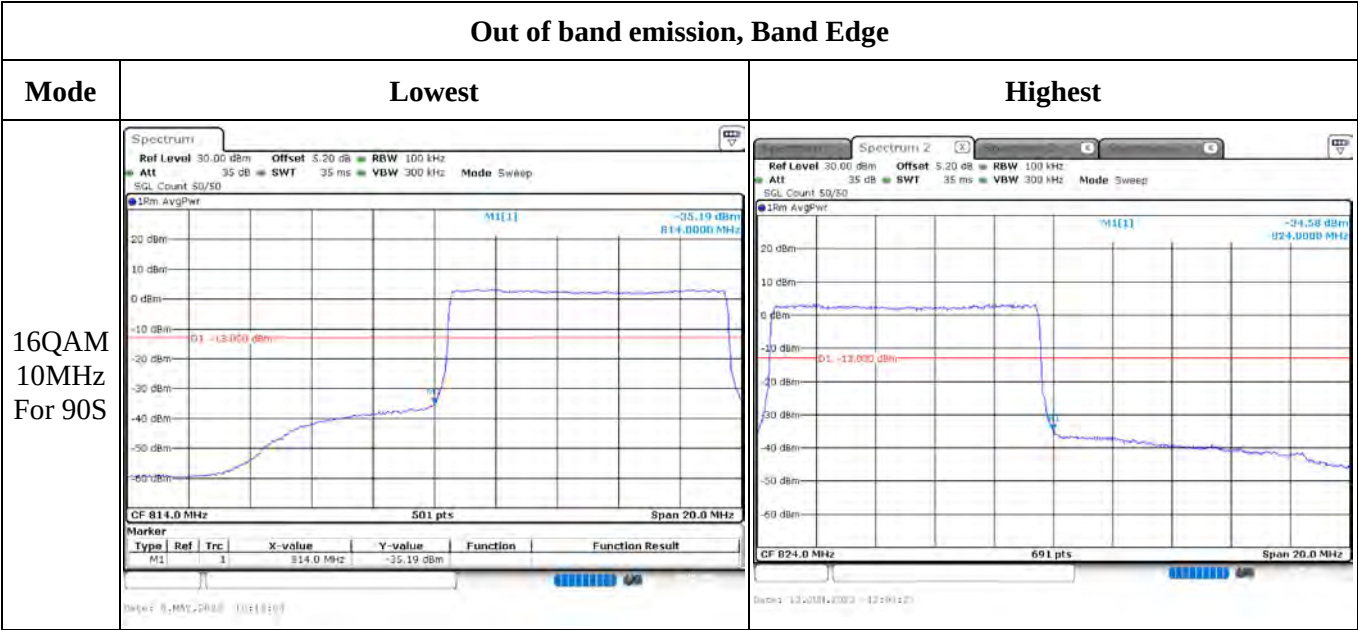
Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 10MHz For 22H	Spectrum 2 Ref Level 30.00 dBm Offset 5.20 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 824.0 MHz 691 pts Span 20.0 MHz Date: 11-29-2023 10:18:13	Spectrum Ref Level 30.00 dBm Offset 5.20 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 849.0 MHz 501 pts Span 20.0 MHz Marker Type Ref Trc X-value Y-value Function Function Result M1 1 849.0 MHz -31.47 dBm Date: 11-29-2023 10:18:13
QPSK 15MHz For 22H	Spectrum 2 Ref Level 30.00 dBm Offset 5.20 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 824.0 MHz 691 pts Span 30.0 MHz Date: 11-29-2023 10:18:13	Spectrum Ref Level 30.00 dBm Offset 5.20 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 849.0 MHz 501 pts Span 30.0 MHz Marker Type Ref Trc X-value Y-value Function Function Result M1 1 849.0 MHz -27.75 dBm Date: 11-29-2023 10:18:13
QPSK 15MHz Across 90S and 22H	Spectrum Ref Level 30.00 dBm Offset 5.20 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 814.0 MHz 501 pts Span 30.0 MHz Marker Type Ref Trc X-value Y-value Function Function Result M1 1 814.0 MHz -27.77 dBm Date: 8-MAY-2023 10:18:13	

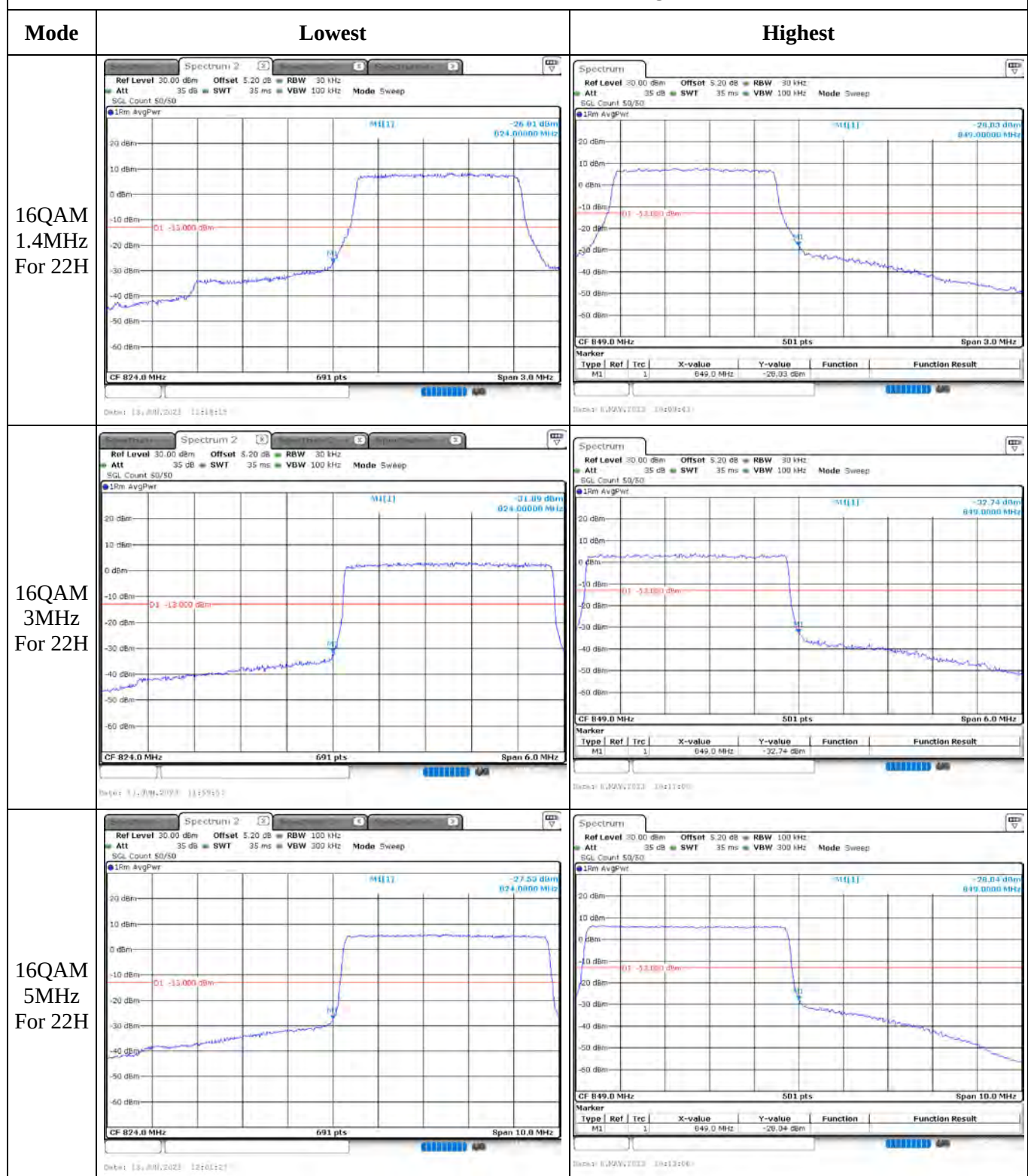
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge

Out of band emission, Band Edge		
Mode	Lowest	Highest
16QAM 10MHz For 22H	Spectrum 2 Ref Level 30.00 dBm Offset 5.20 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 824.0 MHz 691 pts Span 20.0 MHz Marker M1 1 824.0006 MHz -20.75 dBm Function: D1 -13.000 dBm	Spectrum Ref Level 30.00 dBm Offset 5.20 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 849.0 MHz 501 pts Span 20.0 MHz Marker M1 1 849.0006 MHz -33.79 dBm Function: D1 -13.000 dBm
16QAM 15MHz For 22H	Spectrum 2 Ref Level 30.00 dBm Offset 5.20 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 824.0 MHz 691 pts Span 30.0 MHz Marker M1 1 823.0456 MHz -20.99 dBm Function: D1 -13.000 dBm	Spectrum Ref Level 30.00 dBm Offset 5.20 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 849.0 MHz 501 pts Span 30.0 MHz Marker M1 1 849.5996 MHz -31.19 dBm Function: D1 -13.000 dBm
16QAM 15MHz Across 90S and 22H	Spectrum Ref Level 30.00 dBm Offset 5.20 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SQL Count 50/50 10m AvgPwr CF 814.0 MHz 501 pts Span 30.0 MHz Marker M1 1 814.0006 MHz -30.80 dBm Function: D1 -13.000 dBm	

4.14 Antenna Port Test Data and Results for LTE Band 38

Serial Number:	250W-1	Test Date:	2023/5/6~2023/5/17
Test Site:	RF	Test Mode:	Transmitting
Tester:	George Chen	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2~26.1	Relative Humidity: (%)	39~58	ATM Pressure: (kPa)	100.5~102.3
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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	2022-07-15	2023-07-14
BACL	TEMP&HUMI Test Chamber	BTH-150-40	30174	2022-09-29	2023-09-28
UNI-T	Multimeter	UT39A+	C210582554	N/A	N/A
ZHAOXIN	DC Power Supply	RXN-6010D	21R6010D0912386	2022-07-15	2023-07-14

* 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