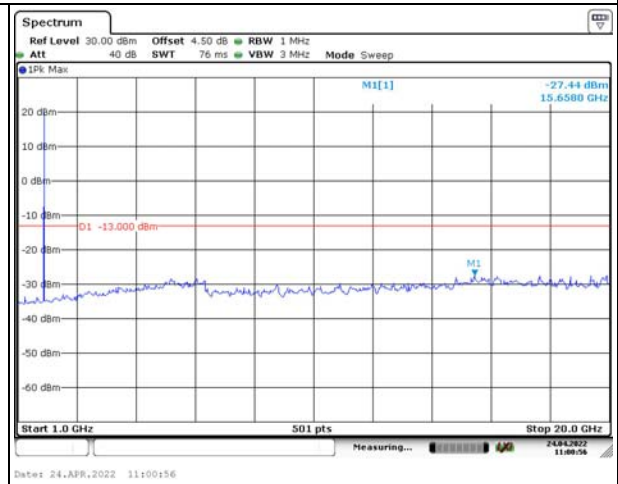
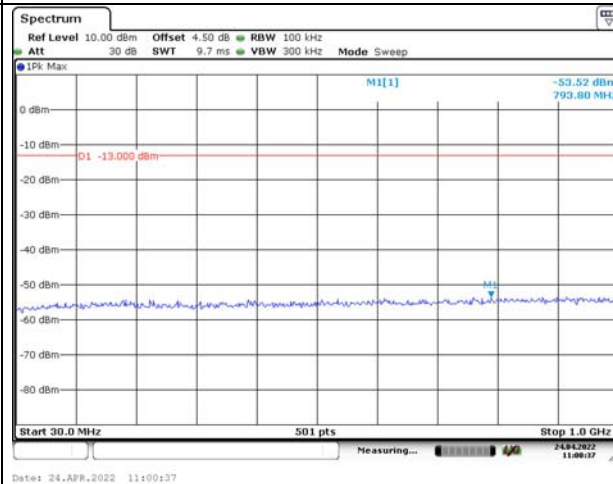


Spurious Emissions at Antenna Terminal

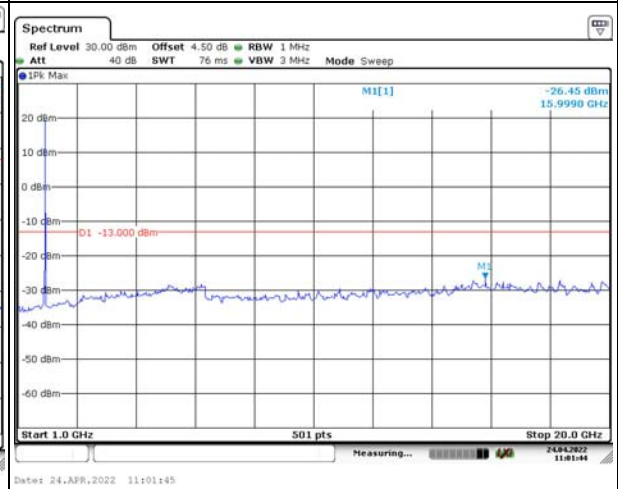
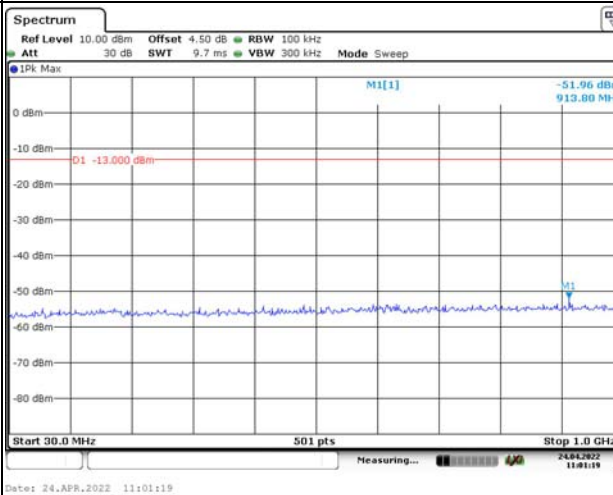
Channel

5MHz Bandwidth QPSK

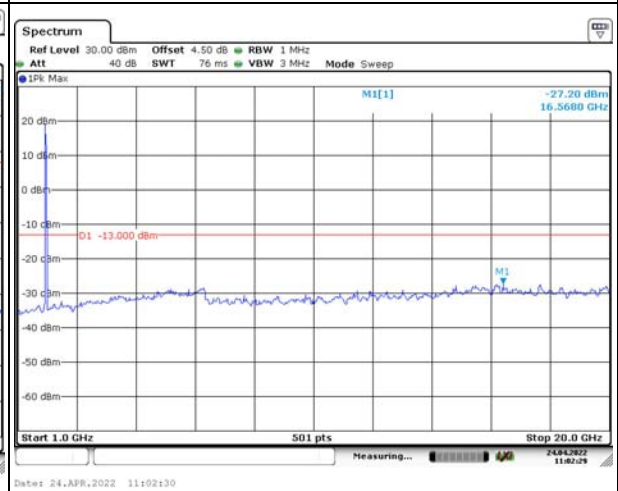
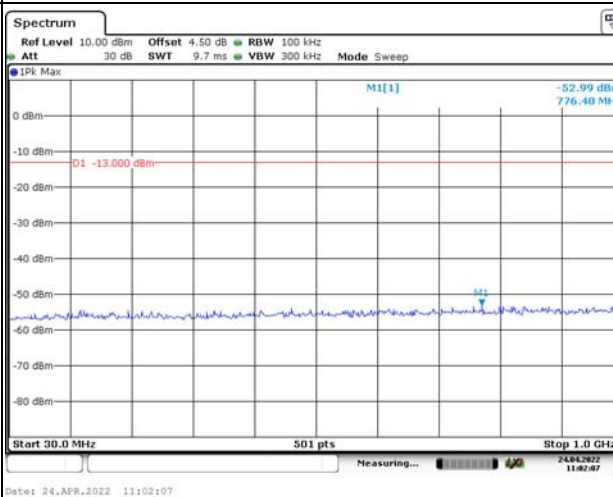
Lowest



Middle



Highest

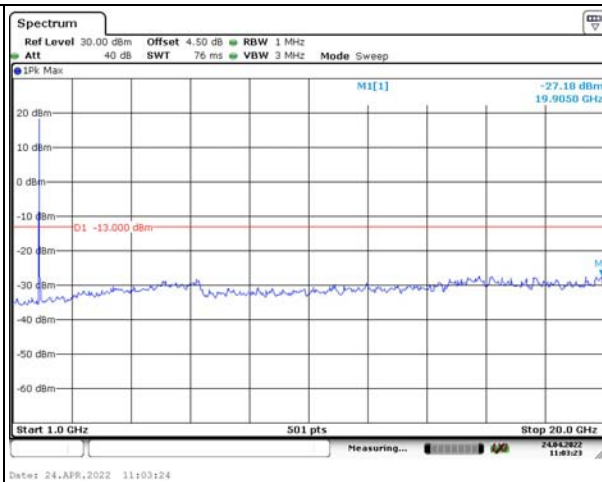
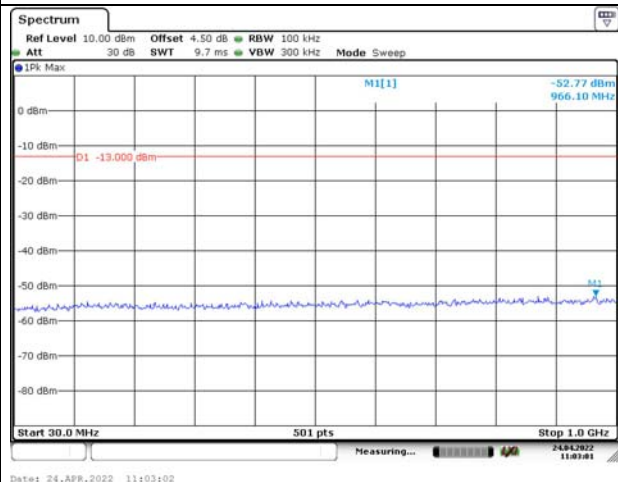


Spurious Emissions at Antenna Terminal

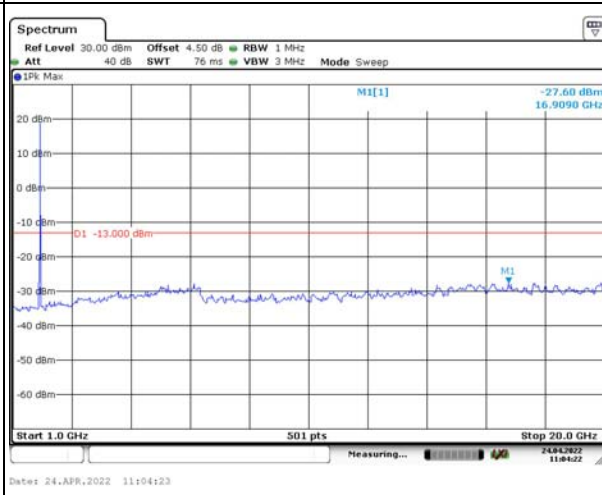
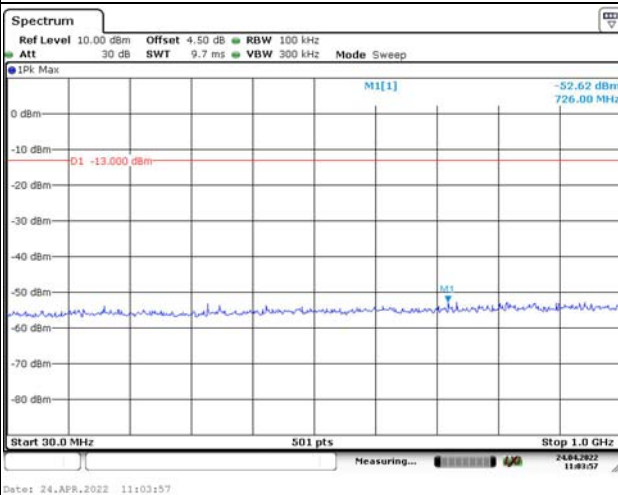
Channel

10MHz Bandwidth QPSK

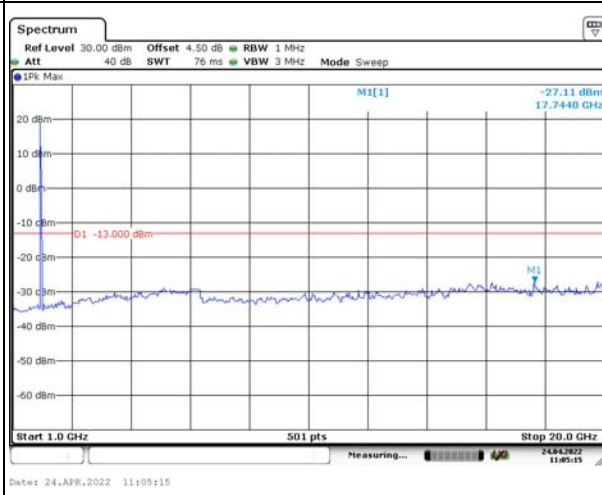
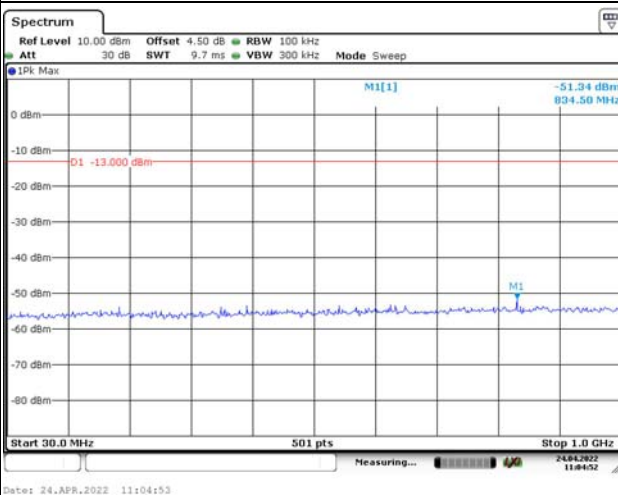
Lowest



Middle



Highest

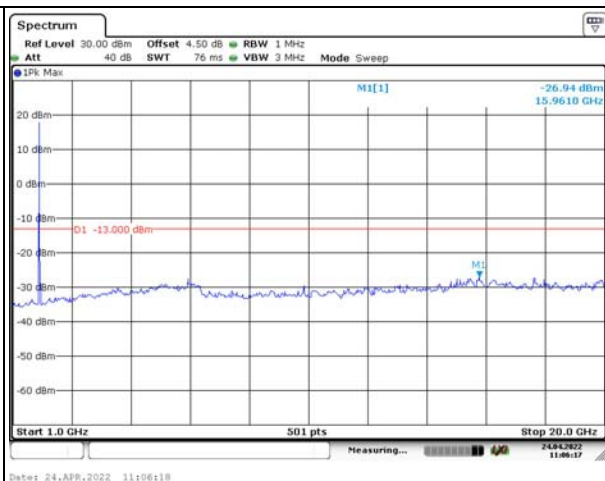
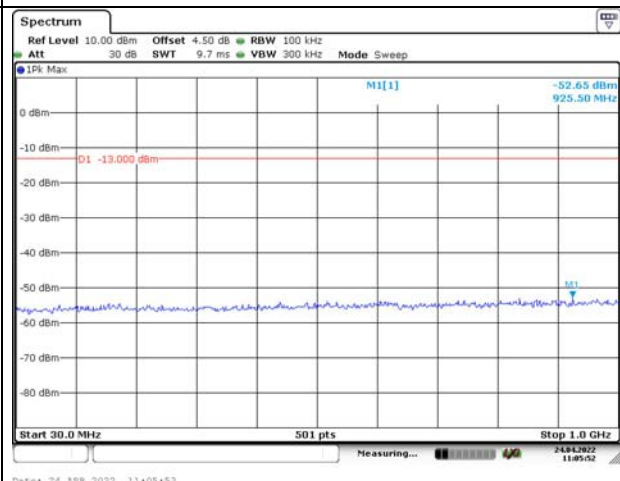


Spurious Emissions at Antenna Terminal

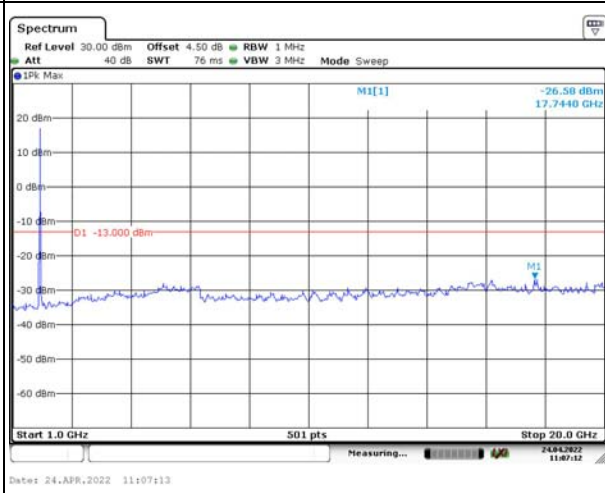
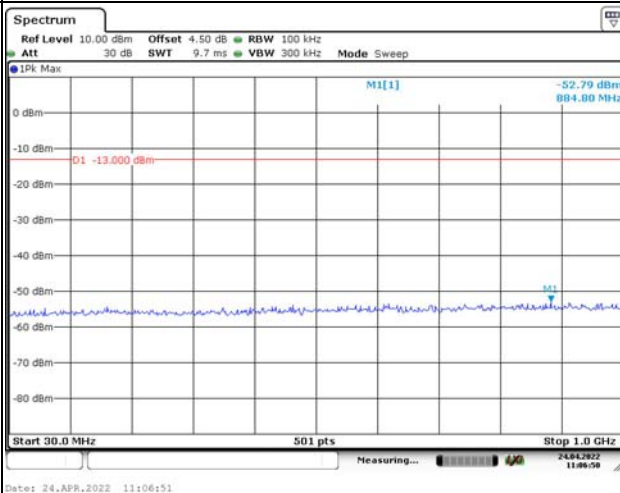
Channel

15MHz Bandwidth QPSK

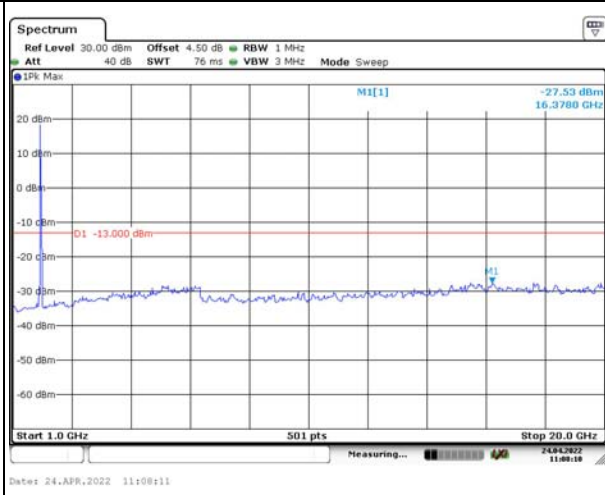
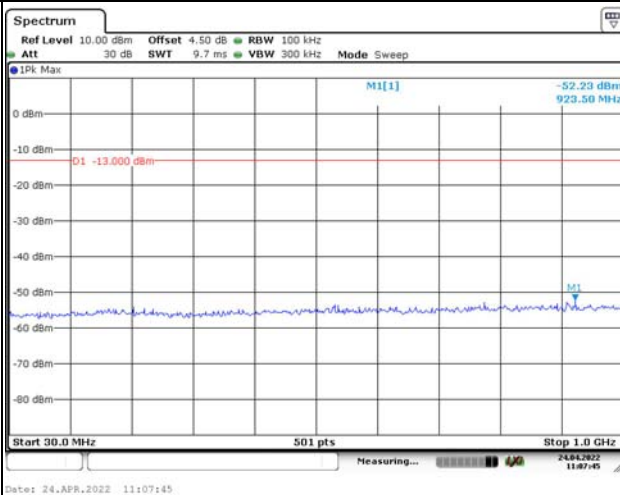
Lowest



Middle



Highest

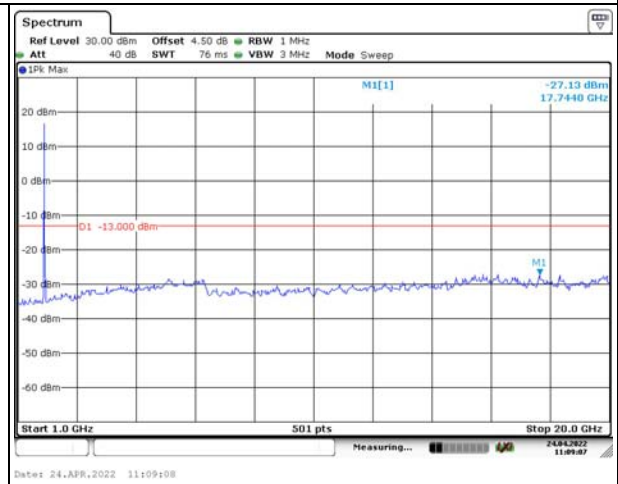
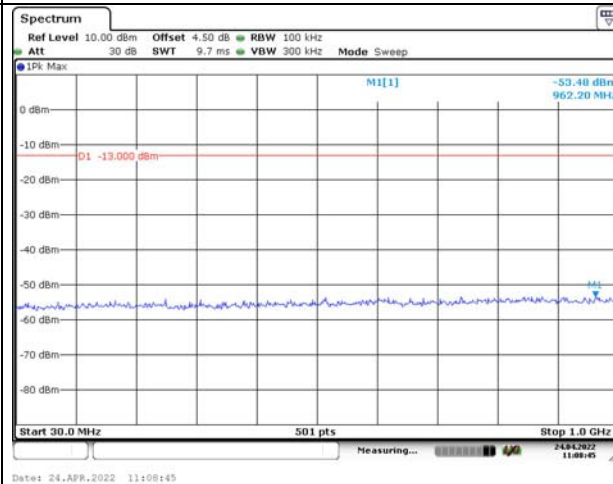


Spurious Emissions at Antenna Terminal

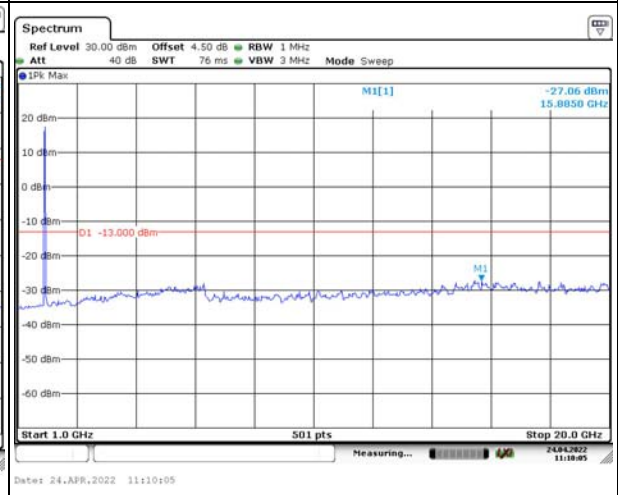
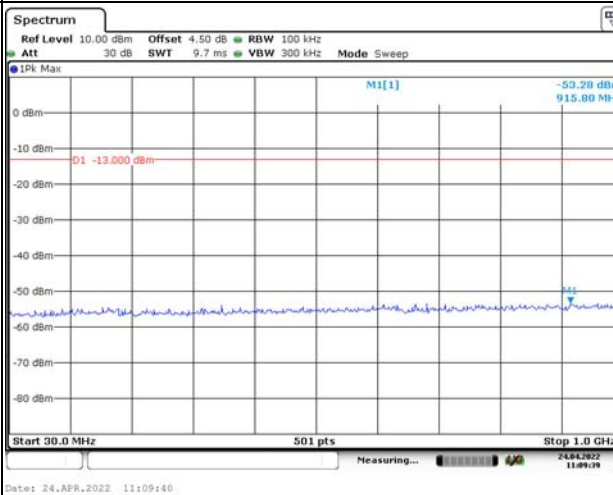
Channel

20MHz Bandwidth QPSK

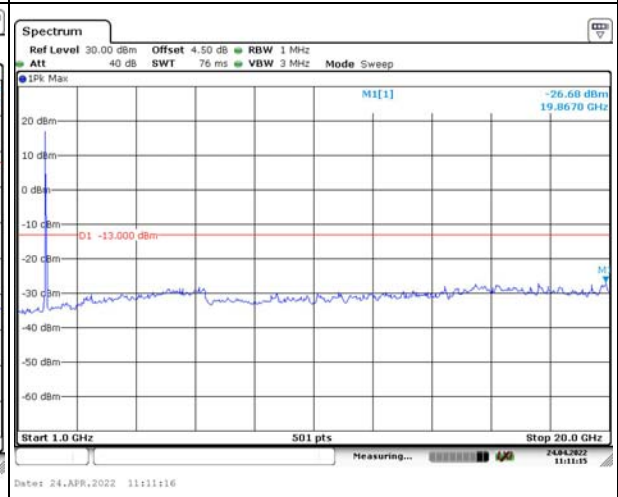
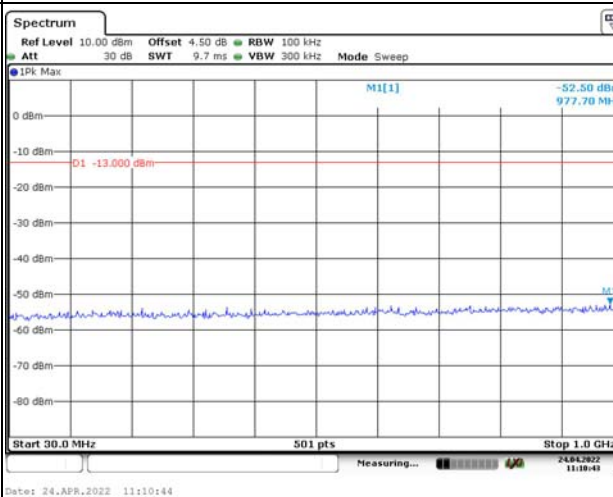
Lowest



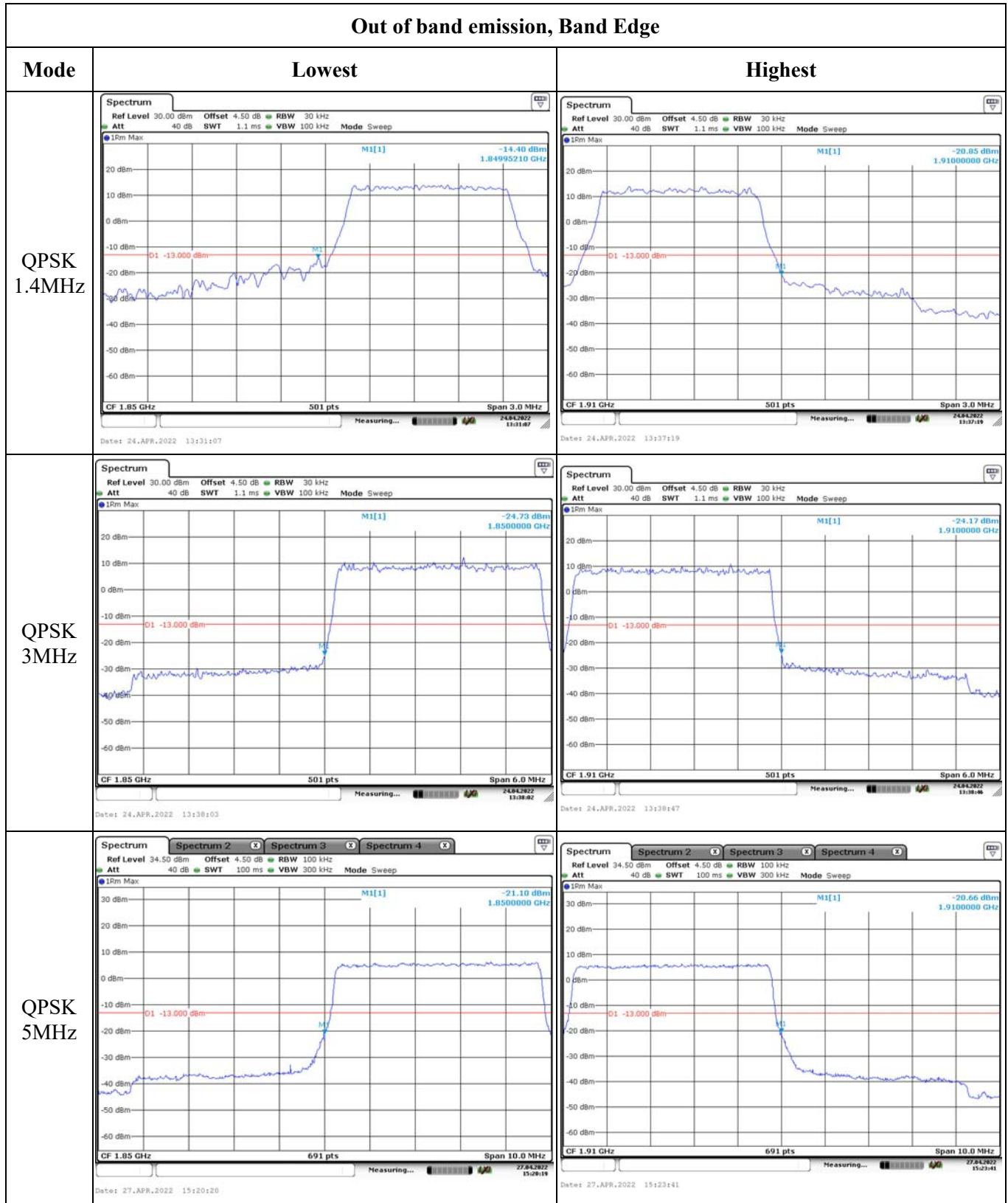
Middle



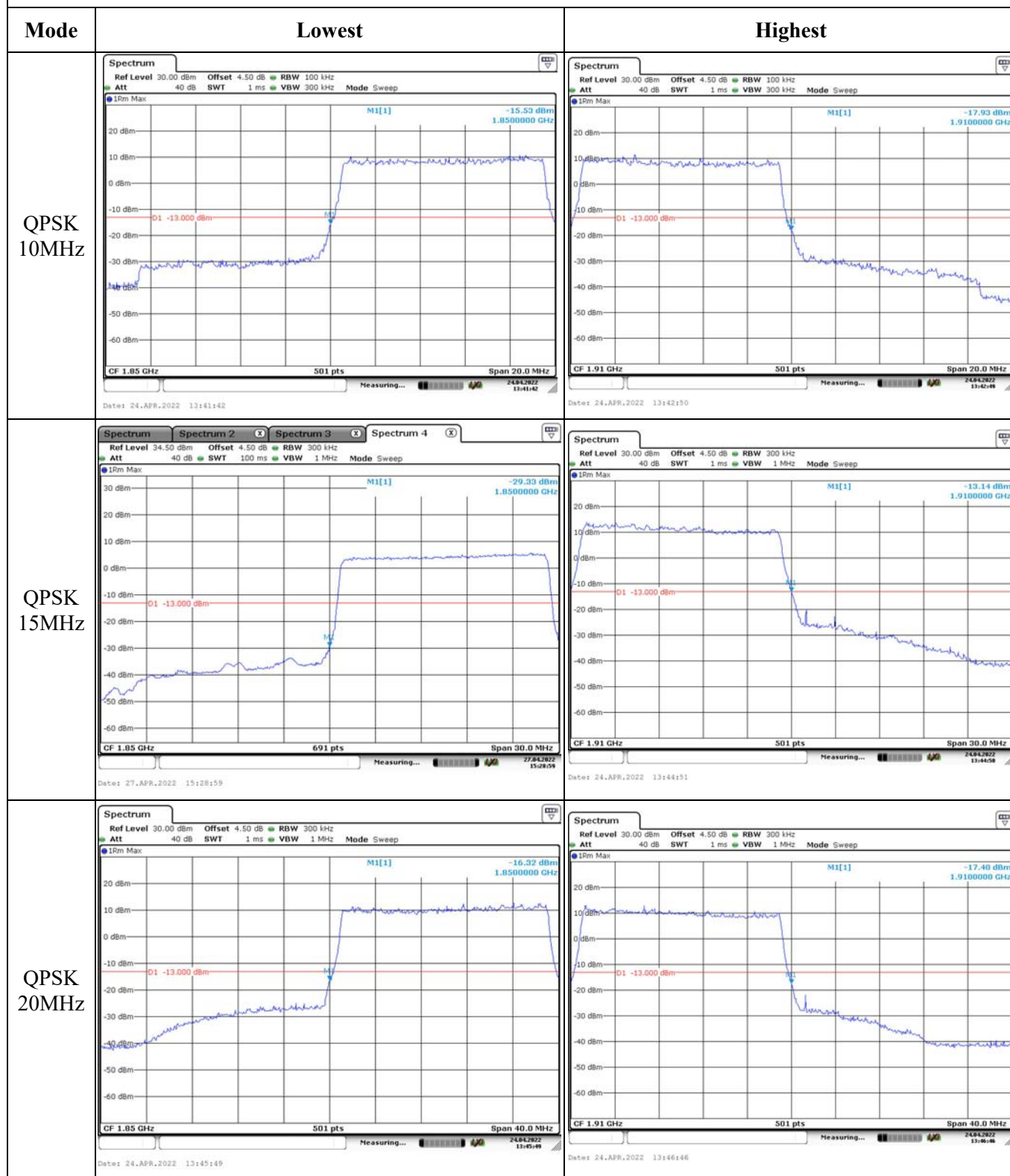
Highest



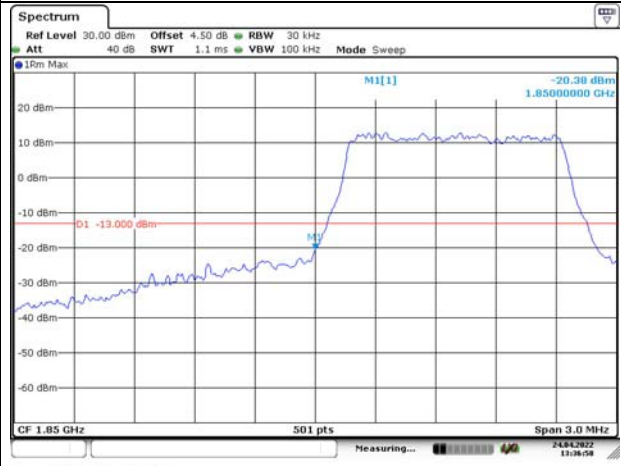
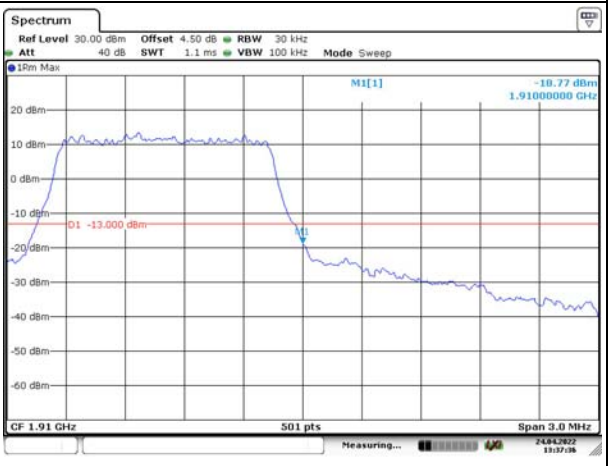
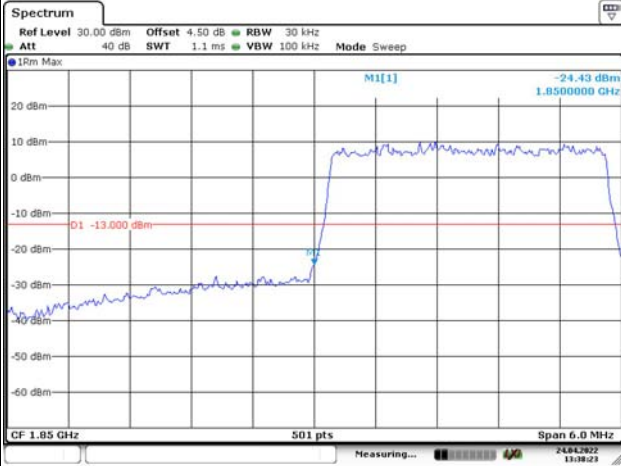
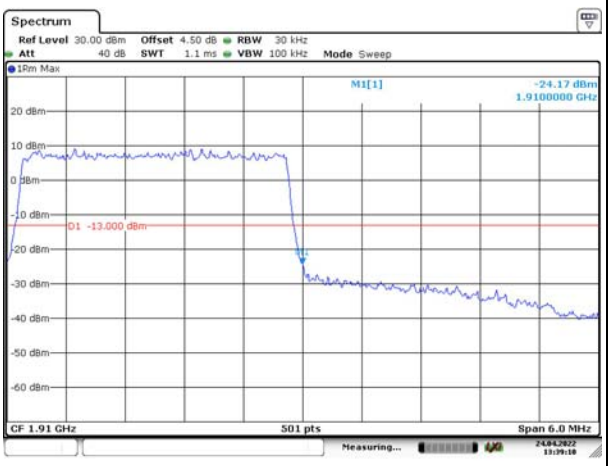
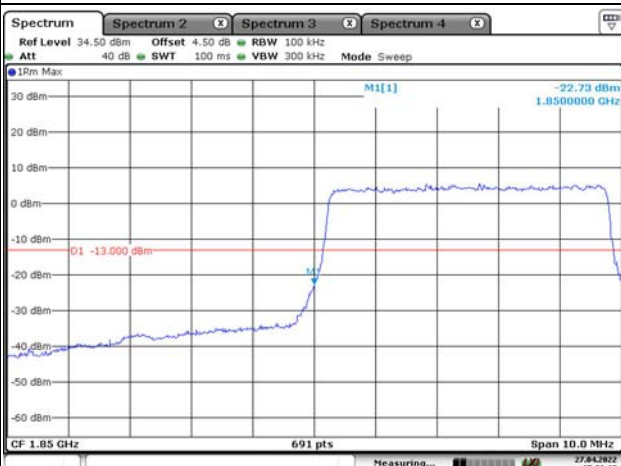
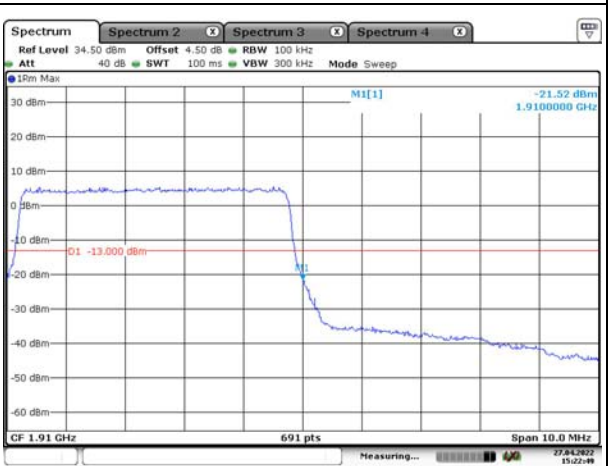
Out of band emission, Band Edge



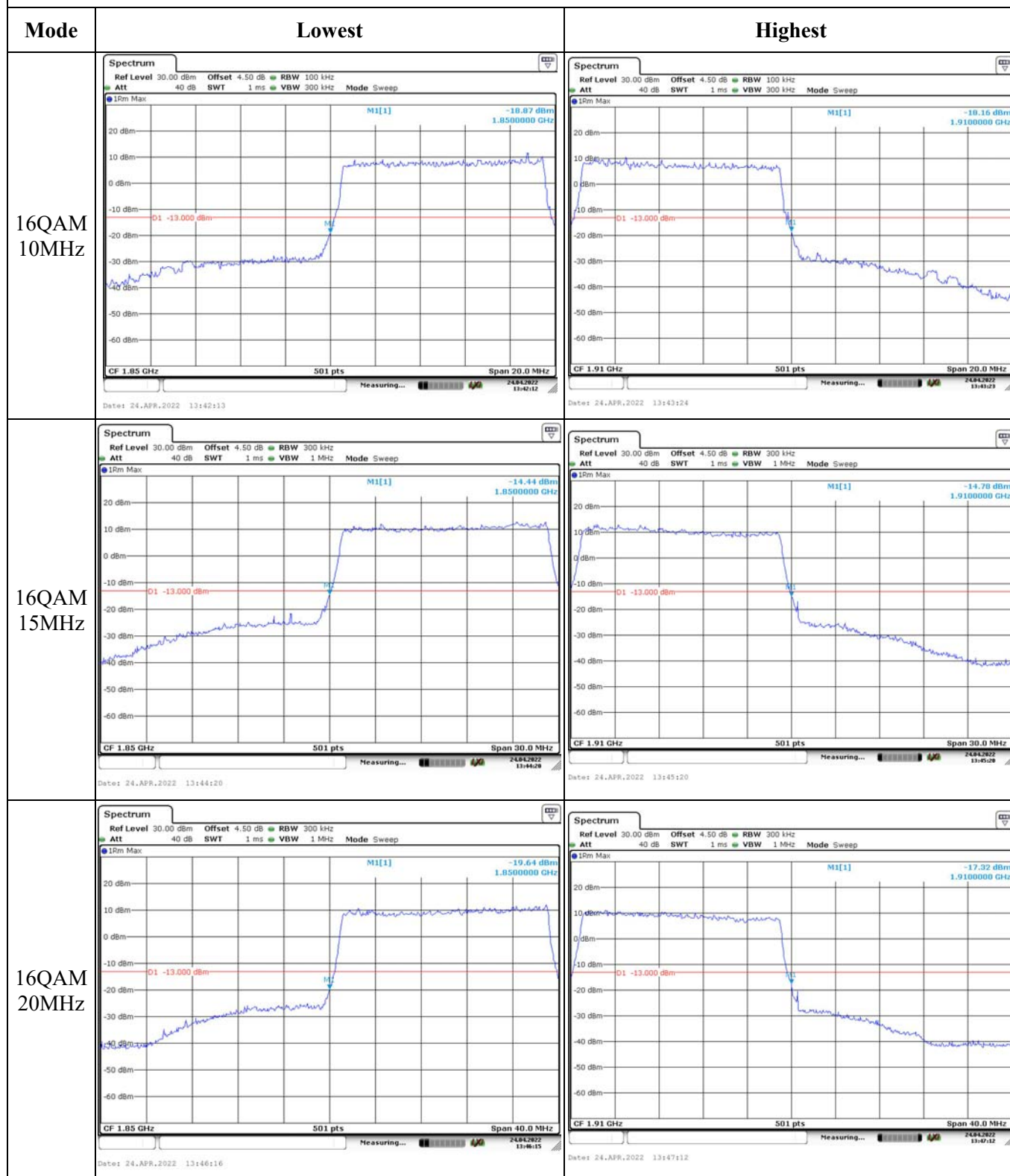
Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 1.4MHz		
16QAM 3MHz		
16QAM 5MHz		

Out of band emission, Band Edge



4.7 Antenna Port Test Data and Results for LTE Band 4

Serial Number:	CR22040010-RF-S1	Test Date:	2022-04-24~2022-05-17
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	27.3~28.6	Relative Humidity:	46~56	ATM Pressure:	100.7~100.8
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	Spectrum Analyzer	101474	2021-07-22	2022-07-21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
R&S	Wideband Radio	CMW500	149218	2021-07-22	2022-07-21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021-07-22	2022-07-22
UNI-T	Multimeter	UT39A+	C210582554	2021-09-30	2022-09-30
E-Microwave	Two-way Splitter	ODP-1-6	OE0120176	Each Time	N/A

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

EUT Information@ LTE Band 4▲:

Antenna Gain (dBi):	0.6	Cable Loss (dB):	1.0
Operation Voltage(V _{DC}):			
Lowest:	3.6	Normal:	3.8
		Highest:	4.3

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	1710.7	1732.5	1754.3
3MHz	1711.5	1732.5	1753.5
5MHz	1712.5	1732.5	1752.5
10MHz	1715	1732.5	1750
15MHz	1717.5	1732.5	1747.5
20MHz	1720	1732.5	1745

Test Data:**FCC§2.1046;§ 27.50(d)(4)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	18.05	19.68	19.55	19.44	30
	RB1#3	18.83	19.84	19.73		
	RB1#5	18.35	19.66	19.53		
	RB3#0	18.03	19.73	19.52		
	RB3#3	18.34	19.75	19.56		
	RB6#0	18.15	18.68	18.63		
1.4MHz 16QAM	RB1#0	17.55	18.64	18.58	18.53	30
	RB1#3	18.36	18.86	18.80		
	RB1#5	17.85	18.61	18.56		
	RB3#0	17.00	18.93	18.47		
	RB3#3	17.36	18.86	18.46		
	RB6#0	17.17	17.76	17.60		
3MHz QPSK	RB1#0	20.21	19.79	19.71	19.81	30
	RB1#8	20.09	19.80	19.71		
	RB1#14	20.02	19.80	19.69		
	RB6#0	19.19	18.72	18.65		
	RB6#9	19.06	18.70	18.64		
	RB15#0	19.10	18.75	18.62		
3MHz 16QAM	RB1#0	19.61	18.85	18.64	19.21	30
	RB1#8	19.50	18.86	18.58		
	RB1#14	19.48	18.86	18.55		
	RB6#0	18.24	17.79	17.62		
	RB6#9	18.12	17.83	17.56		
	RB15#0	18.23	17.79	17.67		
5MHz QPSK	RB1#0	20.01	19.65	19.52	19.63	30
	RB1#13	20.03	19.77	19.64		
	RB1#24	19.87	19.59	19.49		
	RB15#0	19.07	18.67	18.59		
	RB15#10	18.95	18.64	18.54		
	RB25#0	18.97	18.68	18.52		
5MHz 16QAM	RB1#0	18.85	18.91	18.51	18.61	30
	RB1#13	18.90	19.01	18.56		
	RB1#24	18.73	18.86	18.46		
	RB15#0	18.14	17.69	17.63		
	RB15#10	18.00	17.68	17.58		
	RB25#0	18.06	17.71	17.57		

10MHz QPSK	RB1#0	20.09	19.64	19.55	19.78	30
	RB1#25	20.18	19.83	19.78		
	RB1#49	19.91	19.47	19.48		
	RB25#0	19.08	18.74	18.63		
	RB25#25	18.91	18.73	18.56		
	RB50#0	19.03	18.72	18.58		
10MHz 16QAM	RB1#0	18.99	19.24	18.64	19.05	30
	RB1#25	19.08	19.45	18.83		
	RB1#49	18.85	19.05	18.56		
	RB25#0	18.20	17.83	17.67		
	RB25#25	18.08	17.82	17.61		
	RB50#0	18.13	17.75	17.59		
15MHz QPSK	RB1#0	19.86	19.55	19.06	19.53	30
	RB1#38	19.93	19.65	19.58		
	RB1#74	19.56	19.24	19.36		
	RB36#0	19.02	18.60	18.34		
	RB36#39	18.80	18.55	18.55		
	RB75#0	18.94	18.59	18.49		
15MHz 16QAM	RB1#0	19.25	18.64	18.43	19.05	30
	RB1#38	19.45	18.75	18.87		
	RB1#74	19.13	18.32	18.59		
	RB36#0	18.02	17.70	17.41		
	RB36#39	17.86	17.67	17.58		
	RB75#0	17.91	17.67	17.46		
20MHz QPSK	RB1#0	19.73	19.56	19.23	19.67	30
	RB1#50	20.07	19.83	19.69		
	RB1#99	19.42	18.97	19.21		
	RB50#0	19.07	18.71	18.32		
	RB50#50	18.78	18.62	18.58		
	RB100#0	18.93	18.67	18.48		
20MHz 16QAM	RB1#0	18.93	18.71	18.75	18.92	30
	RB1#50	19.32	19.08	19.13		
	RB1#99	18.69	18.12	18.69		
	RB50#0	18.12	17.74	17.39		
	RB50#50	17.82	17.64	17.58		
	RB100#0	18.03	17.72	17.48		
Note: EIRP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBi)					Result:	Pass

Peak-to-average Ratio(PAR)					
Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	4.35	6.17	5.28	13
	RB100#0	4.90	5.36	4.93	13
20MHz 16QAM	RB1#0	5.19	6.55	6.17	13
	RB100#0	5.86	6.35	5.80	13
Result:					Pass

FCC §2.1049, §27.53:Occupied Bandwidth						
Operation Mode	99% Occupied Bandwidth (MHz)			26 dB Occupied Bandwidth (MHz)		
	Low Channel	Middle channel	High Channel	Low Channel	Middle Channel	High Channel
1.4MHz QPSK	1.098	1.102	1.102	1.311	1.314	1.326
1.4MHz 16QAM	1.098	1.102	1.096	1.329	1.326	1.302
3MHz QPSK	2.695	2.695	2.683	2.880	2.892	2.892
3MHz 16QAM	2.683	2.683	2.683	2.892	2.880	2.880
5MHz QPSK	4.531	4.511	4.511	5.240	5.160	5.200
5MHz 16QAM	4.511	4.551	4.551	5.160	5.180	5.220
10MHz QPSK	8.942	8.981	8.981	9.920	9.960	9.880
10MHz 16QAM	8.981	8.981	8.981	9.920	9.840	9.920
15MHz QPSK	13.533	13.473	13.533	15.240	15.360	15.420
15MHz 16QAM	13.533	13.593	13.533	15.120	15.240	15.180
20MHz QPSK	18.044	18.044	17.964	20.000	19.840	19.840
20MHz 16QAM	18.044	18.044	18.044	19.760	19.840	19.920
Note: The test plots please refer to the Plots of Occupied Bandwidth						

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

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

FCC §2.1055, §27.54: Frequency Stability						
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1710.881	1710.00	1754.923	1755
	-20	3.8	1710.893	1710.00	1754.916	1755
	-10	3.8	1710.890	1710.00	1754.915	1755
	0	3.8	1710.883	1710.00	1754.916	1755
	10	3.8	1710.890	1710.00	1754.917	1755
	20	3.8	1710.890	1710.00	1754.916	1755
	30	3.8	1710.895	1710.00	1754.928	1755
	40	3.8	1710.893	1710.00	1754.914	1755
	50	3.8	1710.890	1710.00	1754.922	1755
Frequency Stability vs. Voltage	20	3.6	1710.888	1710.00	1754.916	1755
	20	4.3	1710.896	1710.00	1754.917	1755
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.8	1710.768	1710.00	1754.933	1755
	-20	3.8	1710.763	1710.00	1754.976	1755
	-10	3.8	1710.765	1710.00	1754.925	1755
	0	3.8	1710.758	1710.00	1754.936	1755
	10	3.8	1710.763	1710.00	1754.943	1755
	20	3.8	1710.763	1710.00	1754.966	1755
	30	3.8	1710.757	1710.00	1754.977	1755
	40	3.8	1710.768	1710.00	1754.923	1755
	50	3.8	1710.763	1710.00	1754.965	1755
Frequency Stability vs. Voltage	20	3.6	1710.764	1710.00	1754.941	1755
	20	4.3	1710.755	1710.00	1754.934	1755
					Result:	Pass

Test Plots:

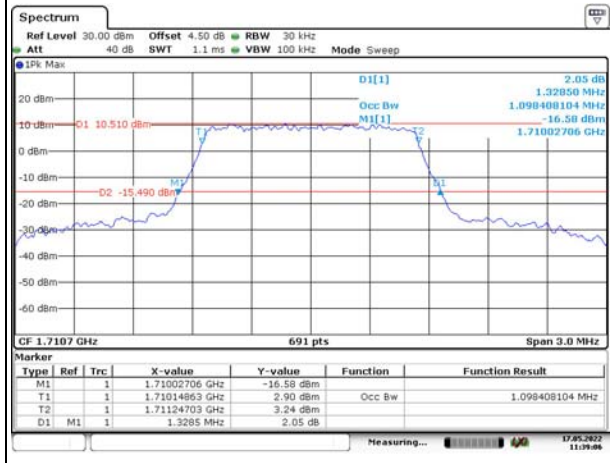
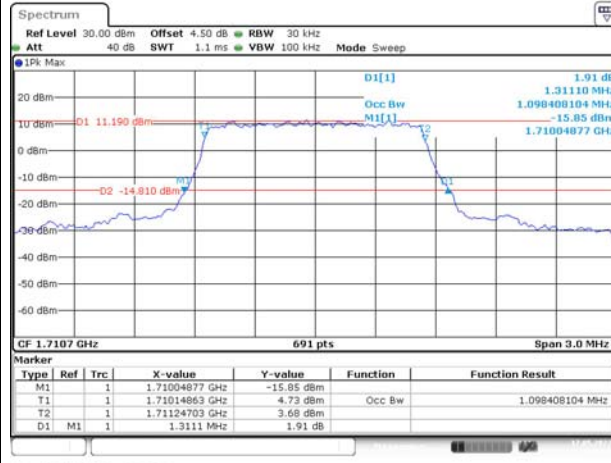
Occupied Bandwidth

Channel

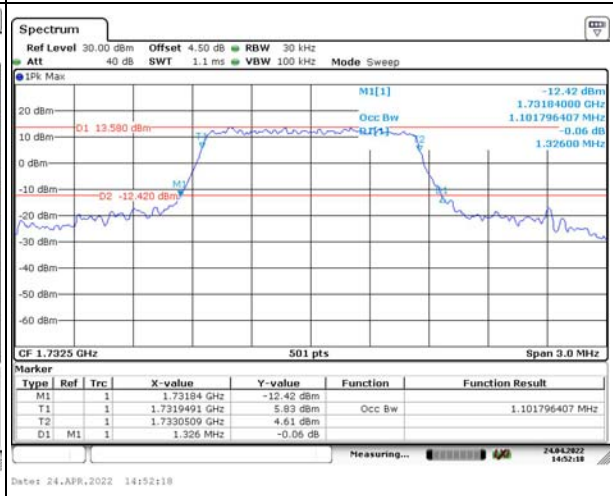
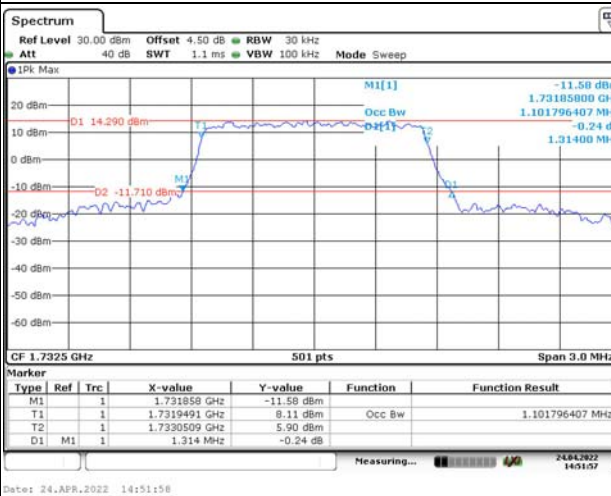
1.4MHz Bandwidth QPSK

1.4MHz Bandwidth 16QAM

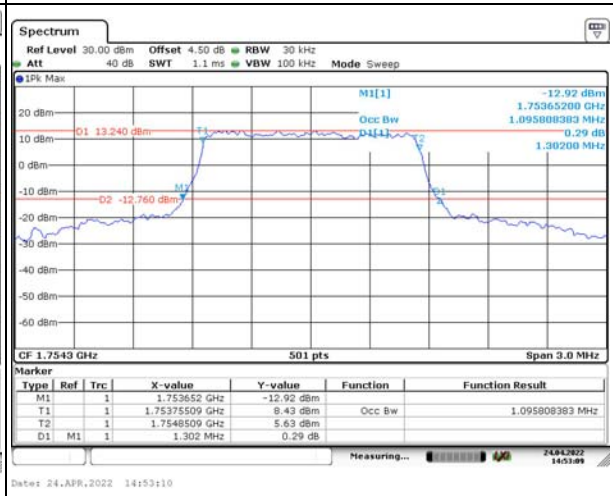
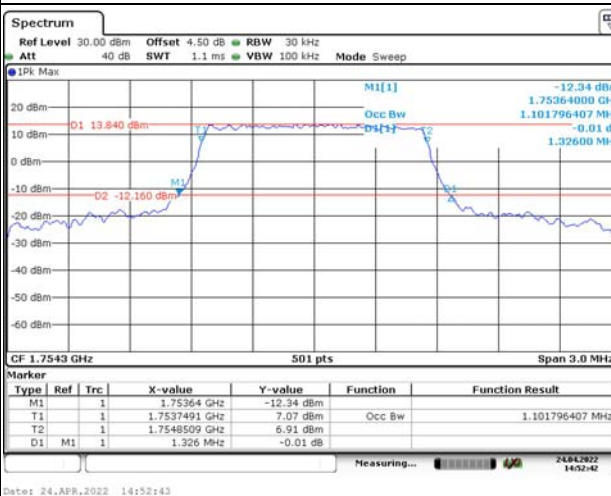
Lowest



Middle



Highest



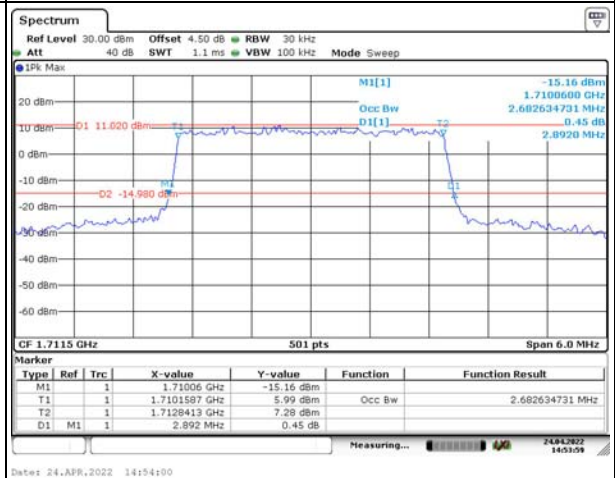
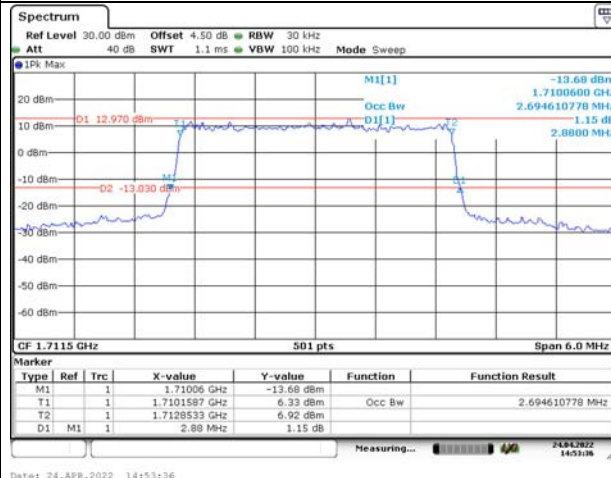
Occupied Bandwidth

Channel

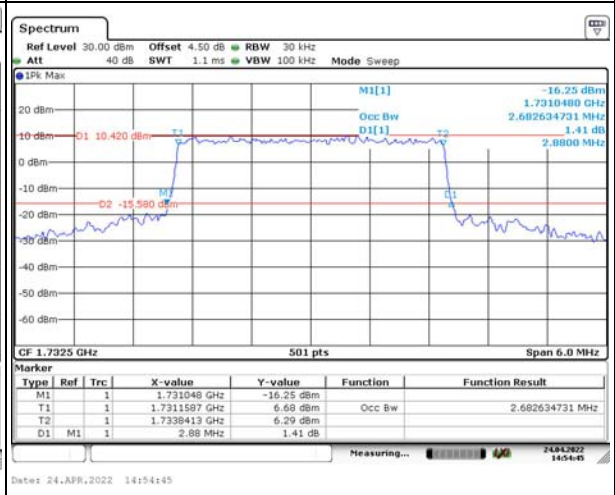
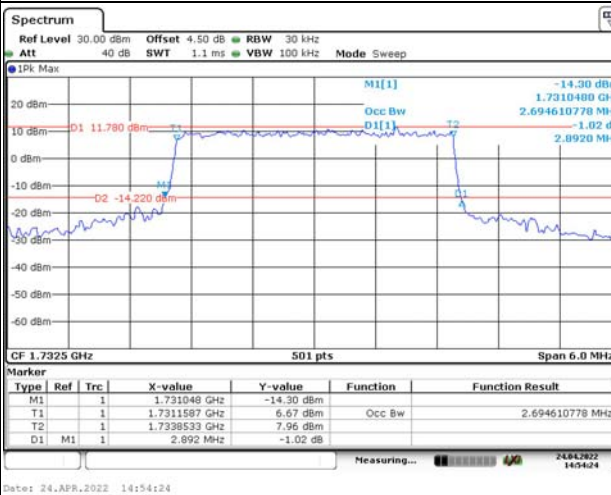
3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

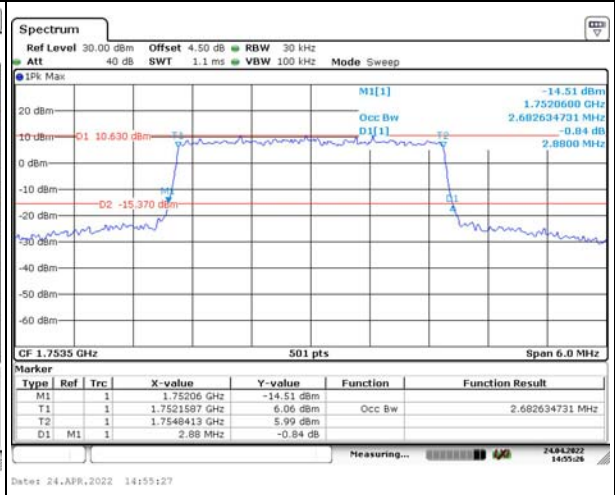
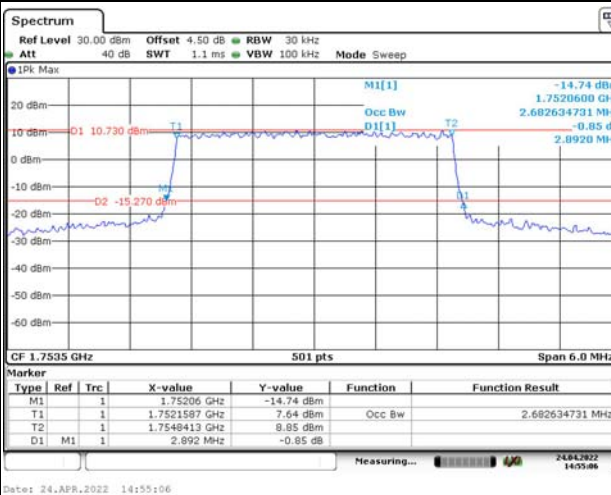
Lowest



Middle



Highest



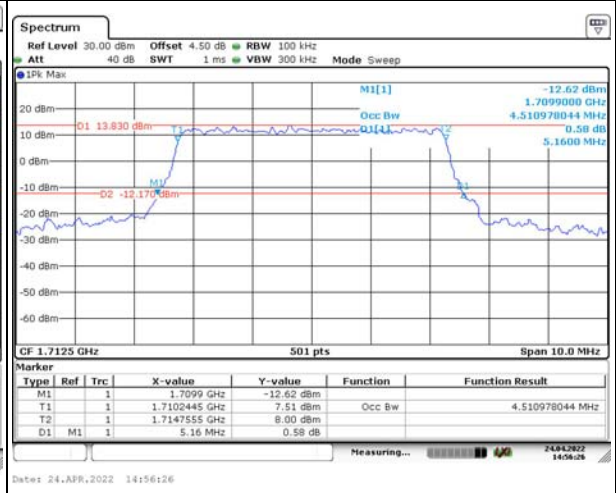
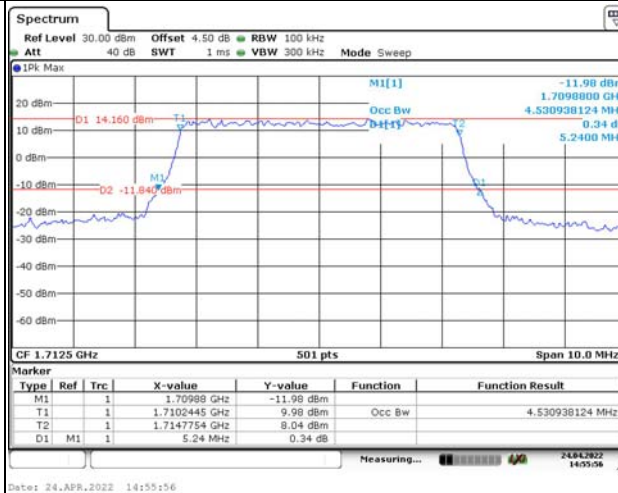
Occupied Bandwidth

Channel

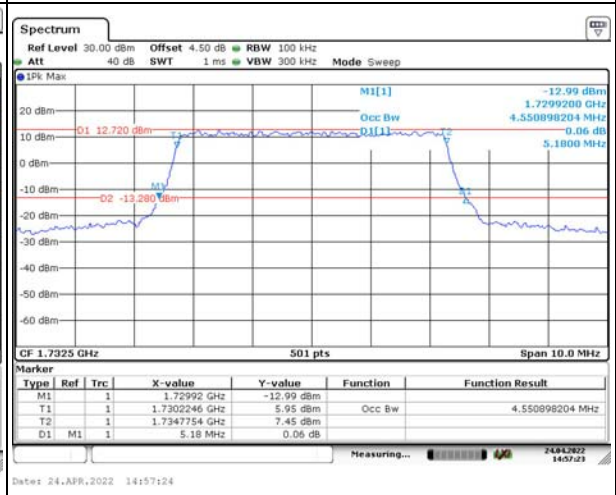
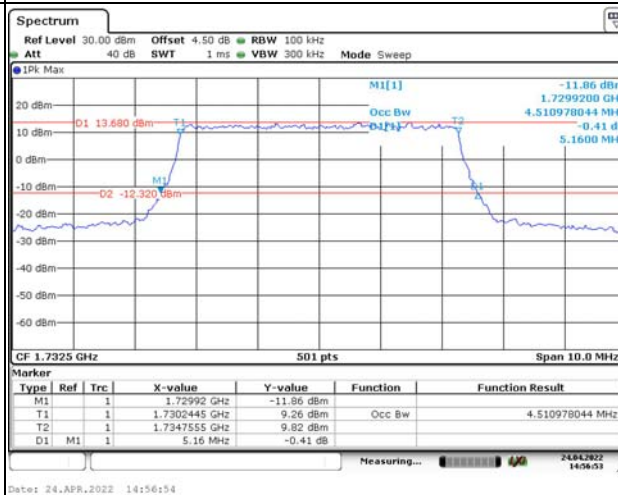
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

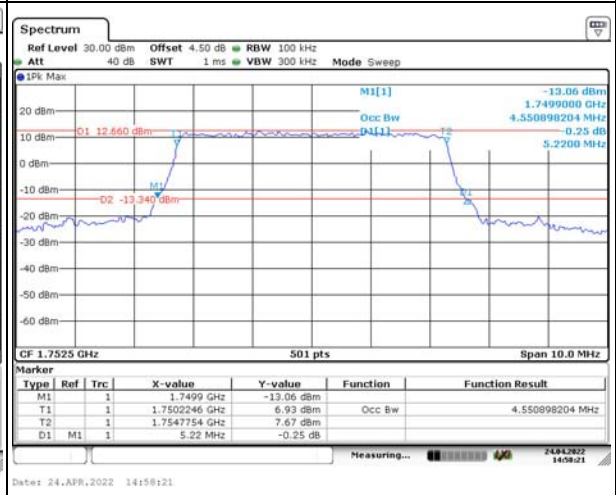
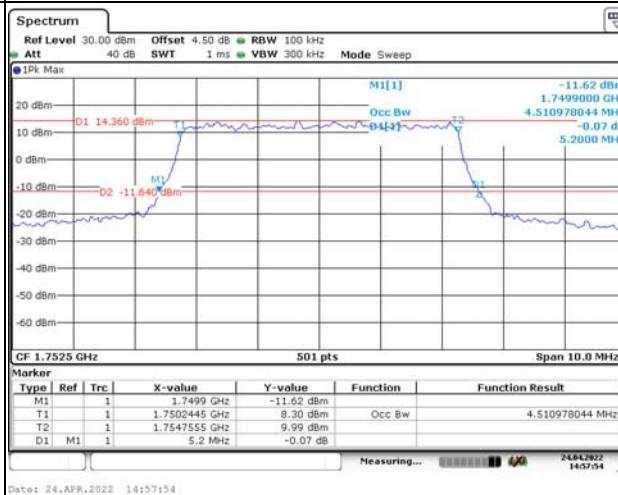
Lowest



Middle



Highest



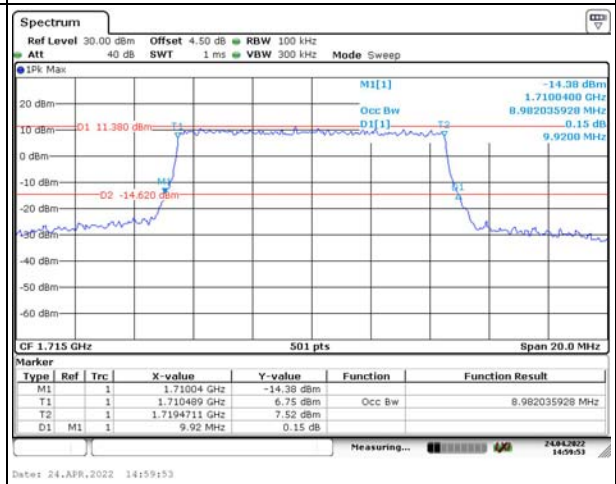
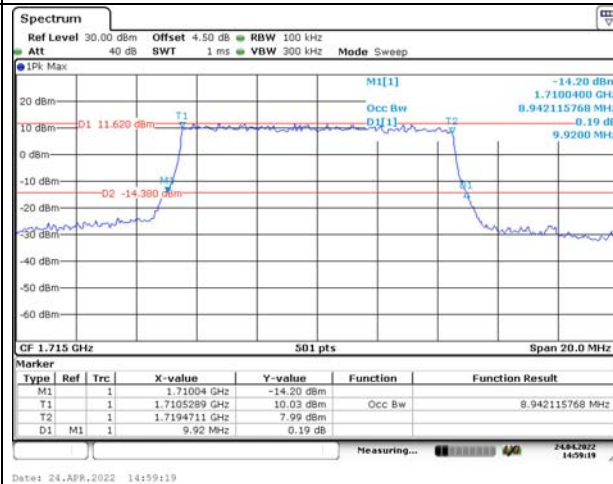
Occupied Bandwidth

Channel

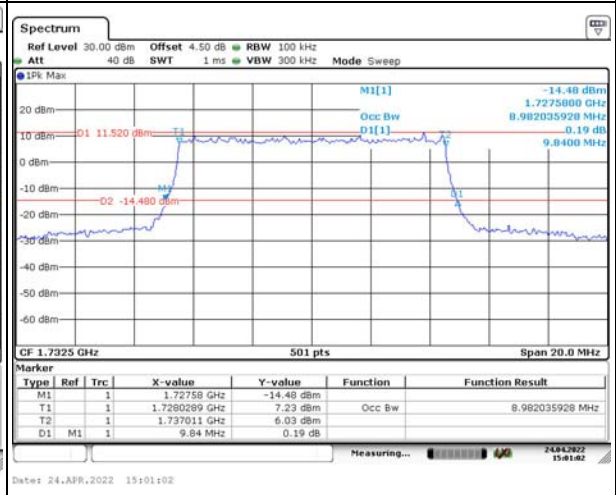
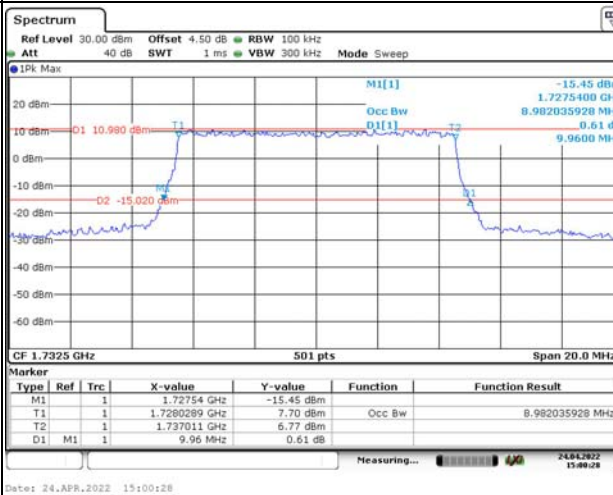
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

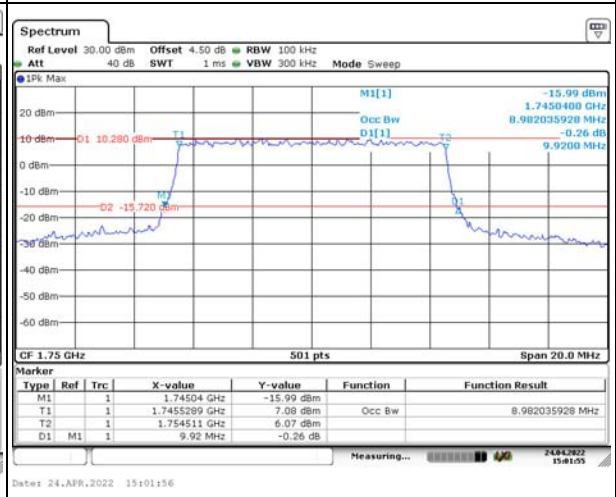
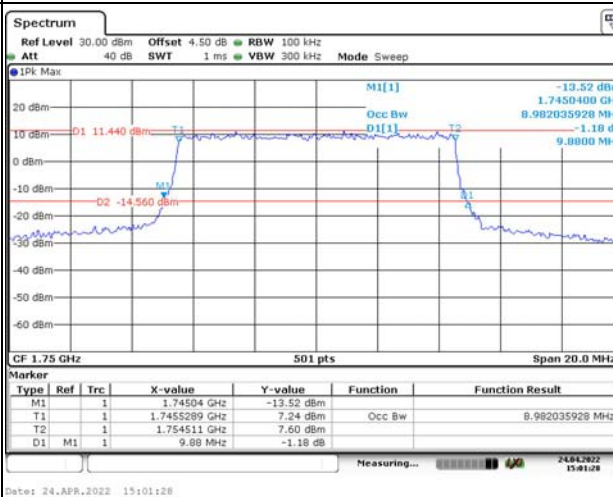
Lowest



Middle



Highest



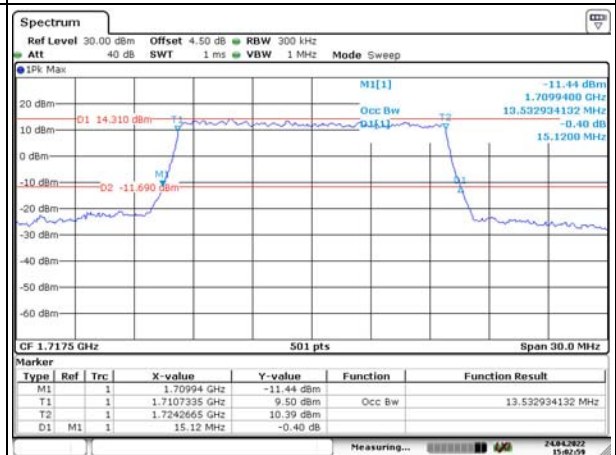
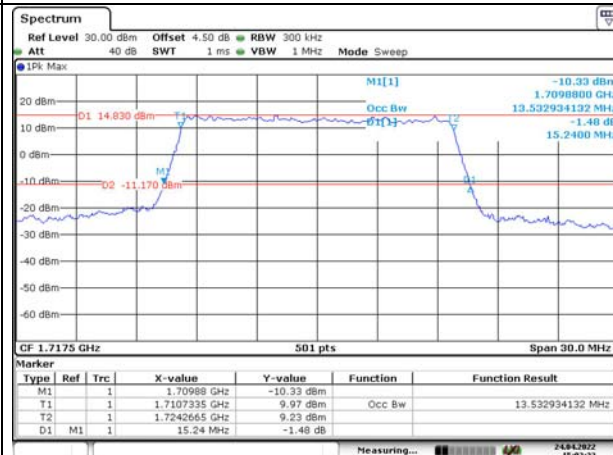
Occupied Bandwidth

Channel

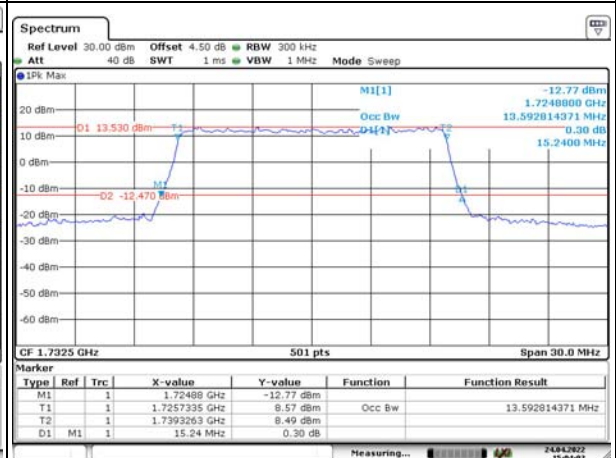
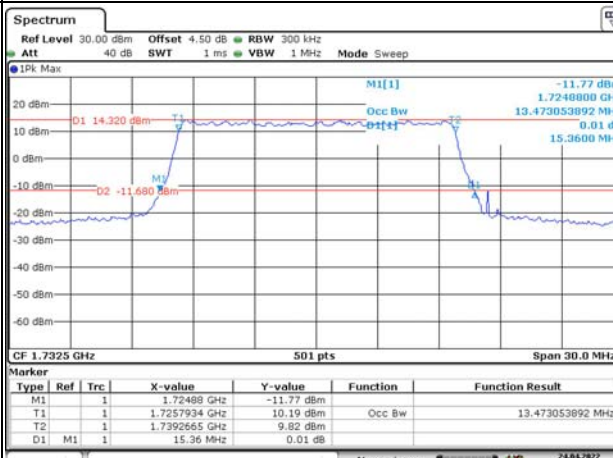
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

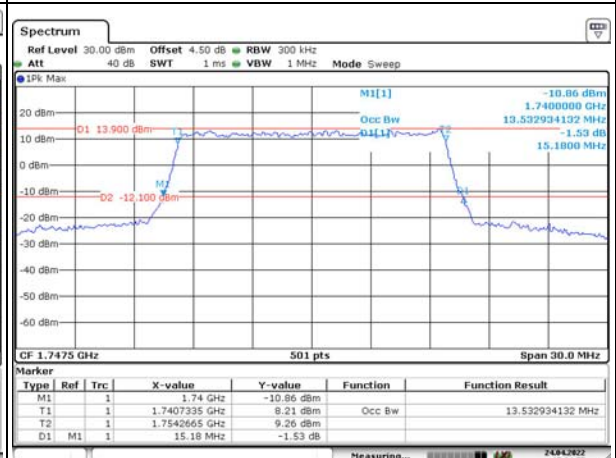
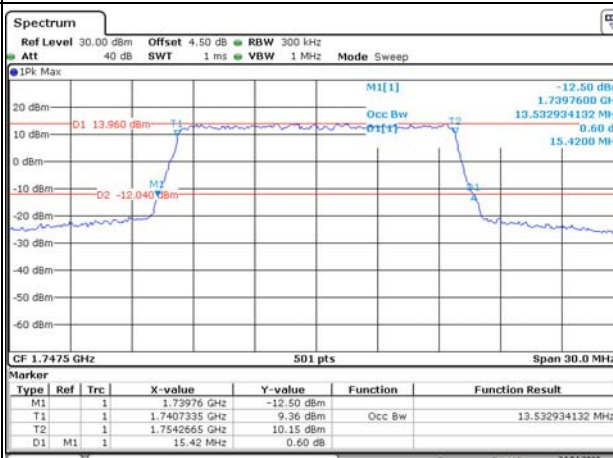
Lowest



Middle



Highest



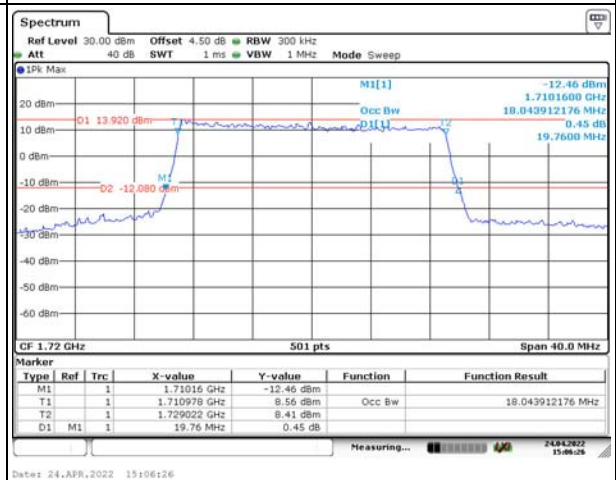
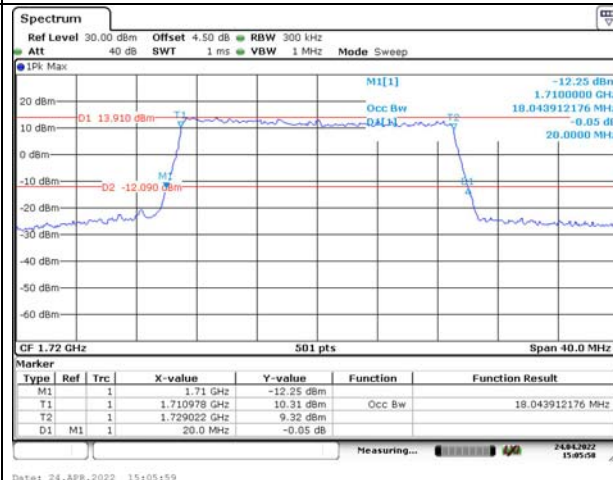
Occupied Bandwidth

Channel

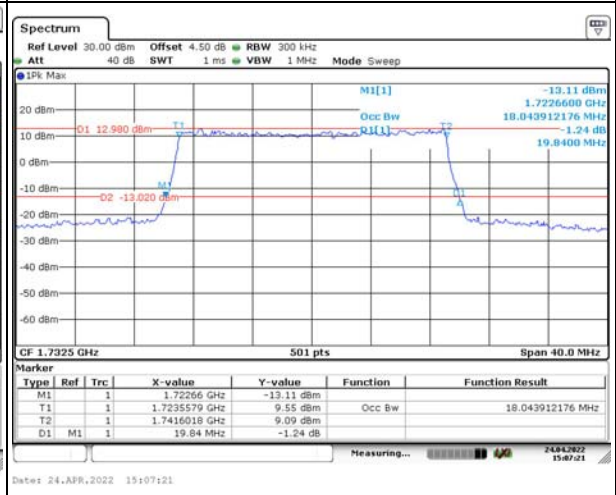
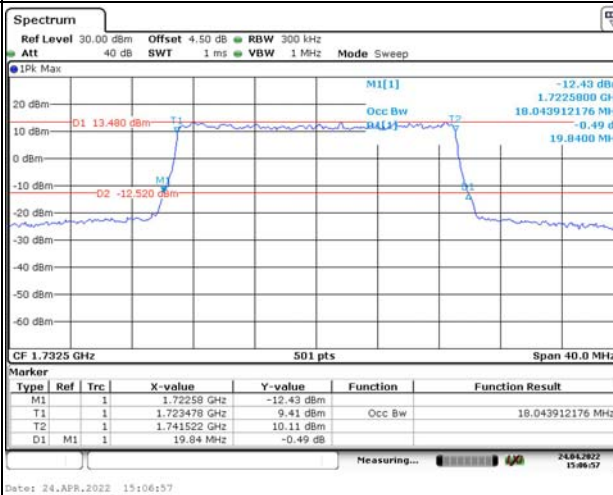
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

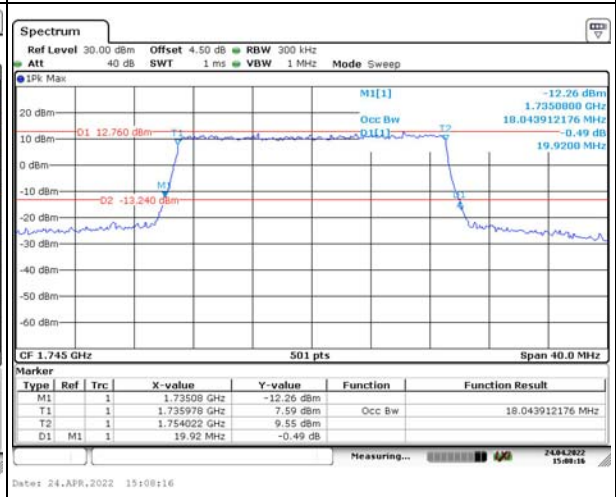
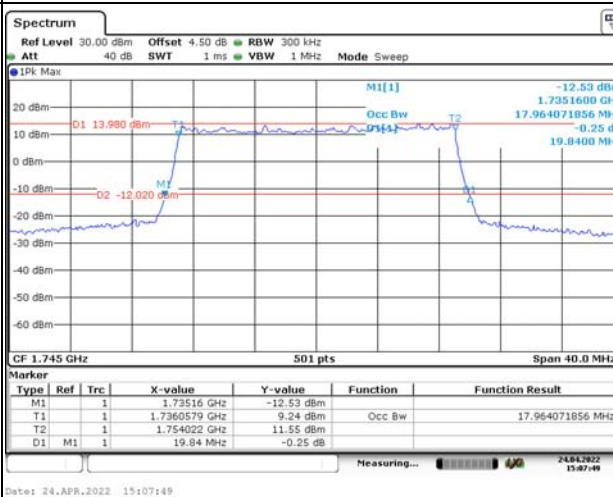
Lowest



Middle



Highest

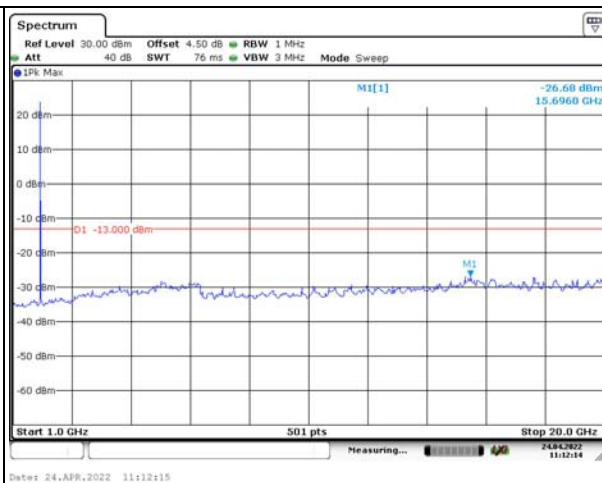
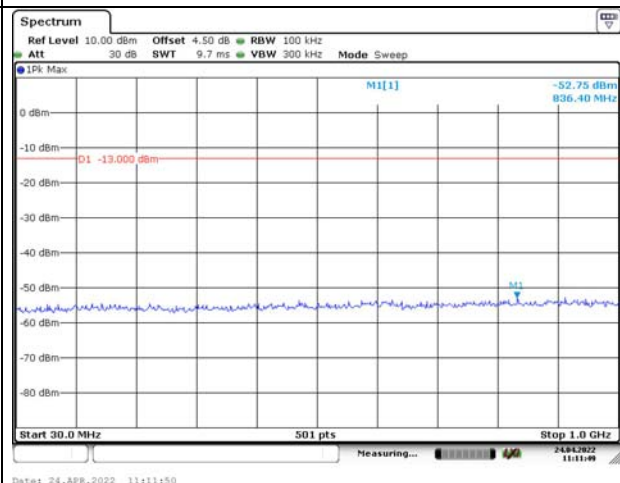


Spurious Emissions at Antenna Terminal

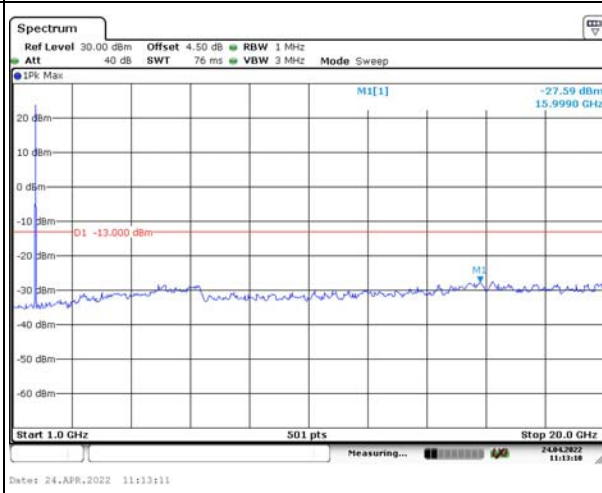
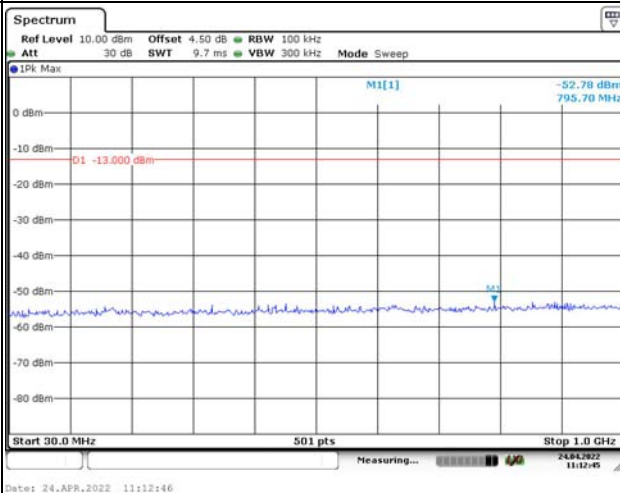
Channel

1.4MHz Bandwidth QPSK

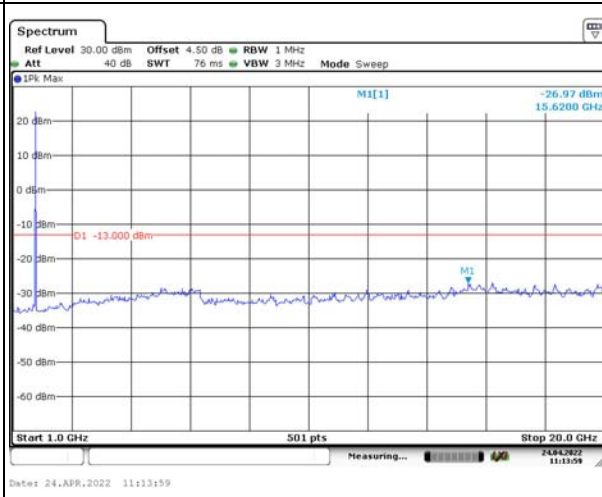
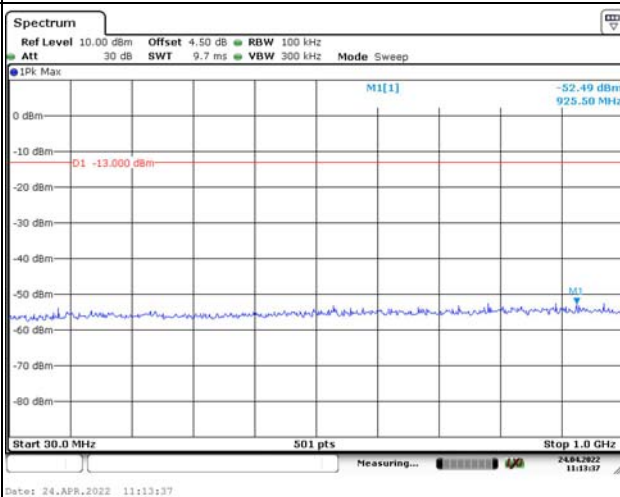
Lowest



Middle



Highest

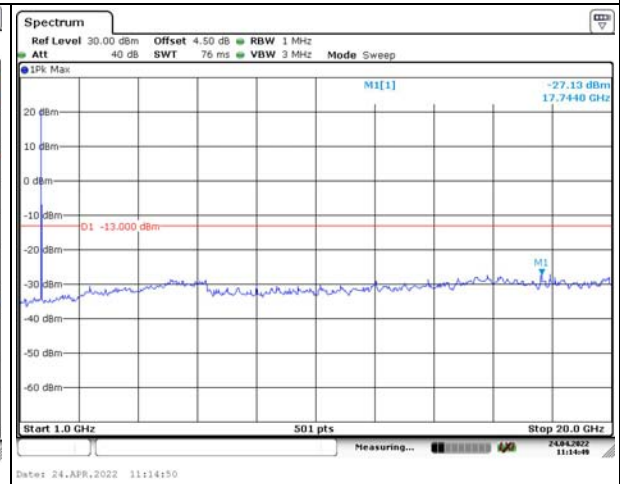
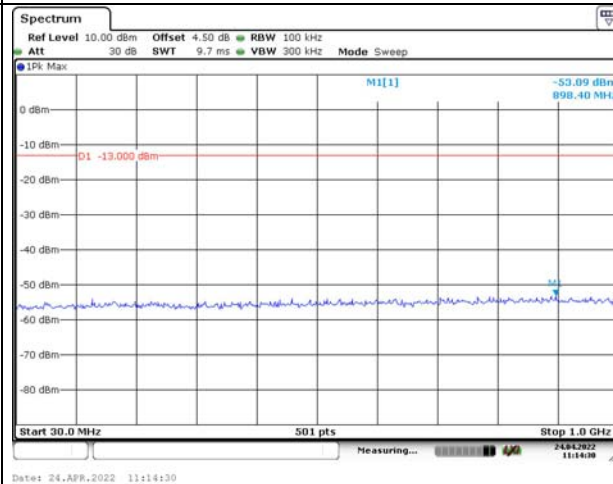


Spurious Emissions at Antenna Terminal

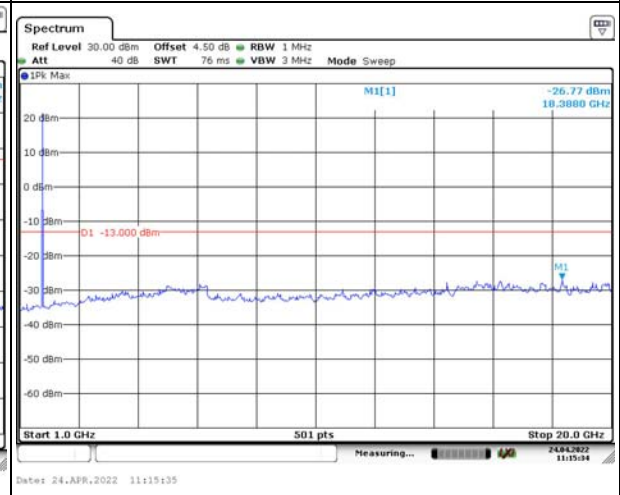
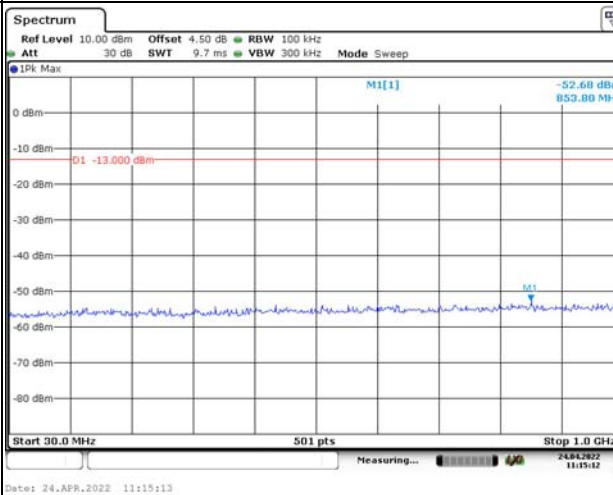
Channel

3MHz Bandwidth QPSK

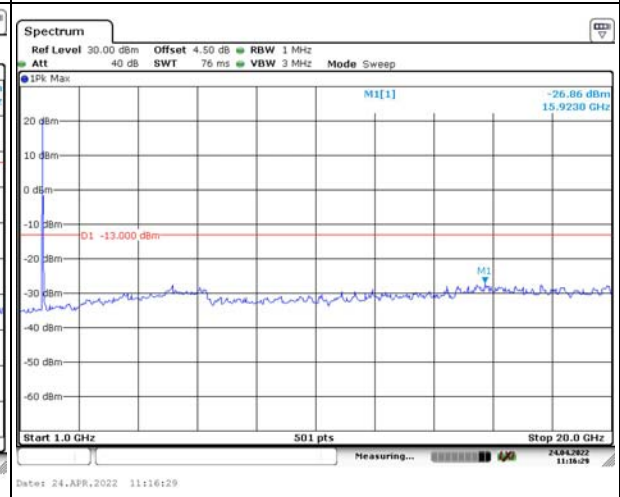
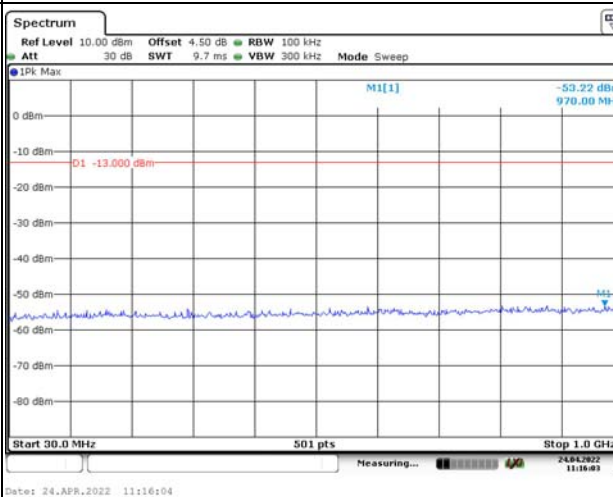
Lowest



Middle



Highest

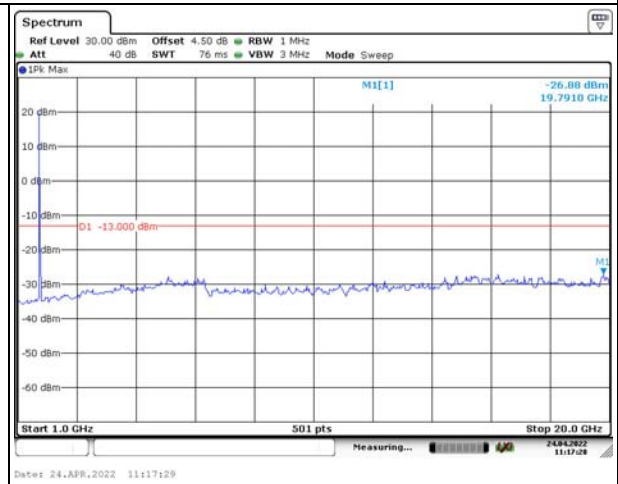
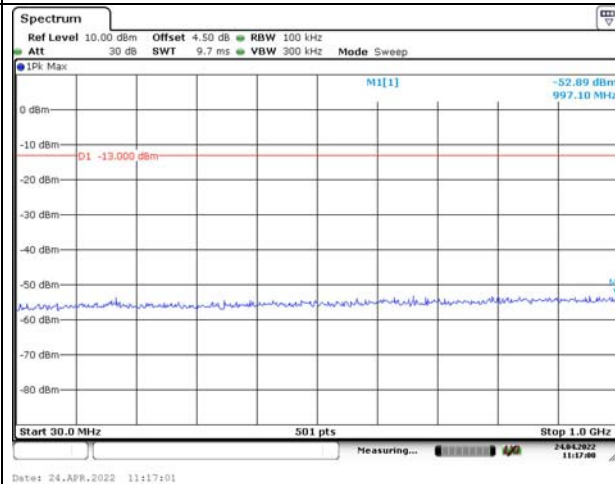


Spurious Emissions at Antenna Terminal

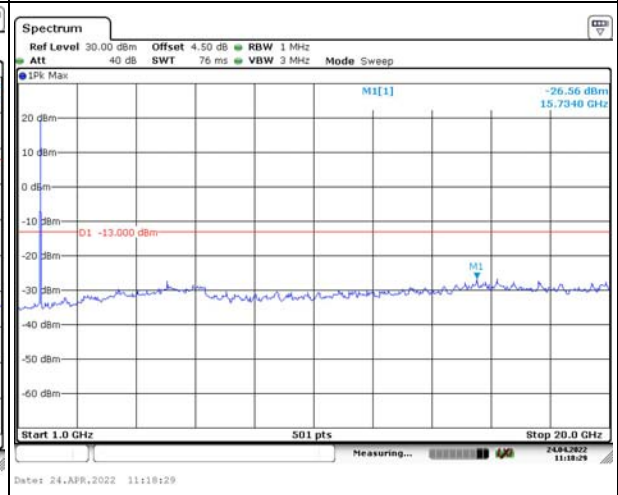
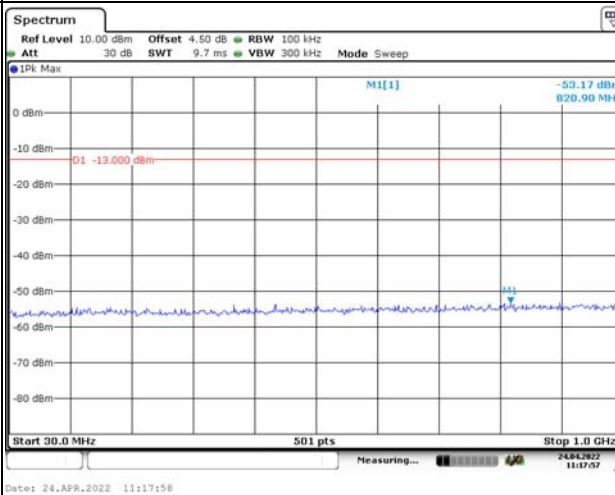
Channel

5MHz Bandwidth QPSK

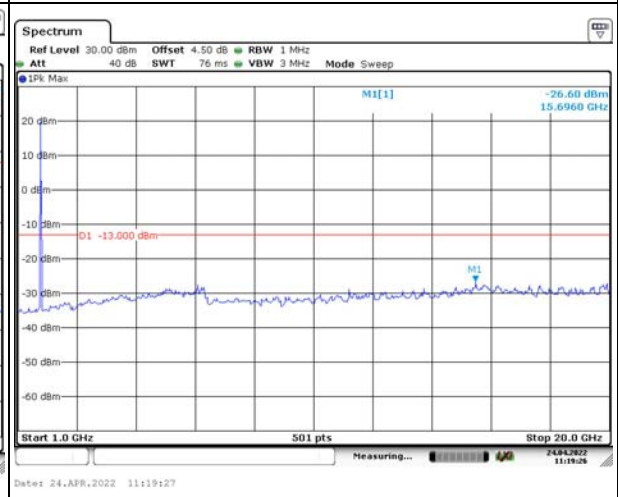
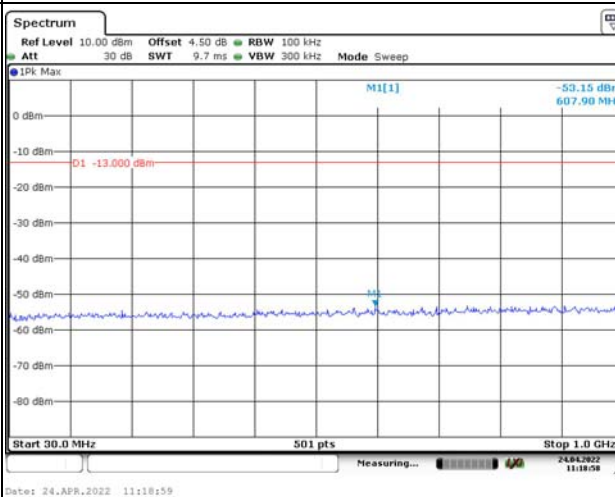
Lowest



Middle



Highest

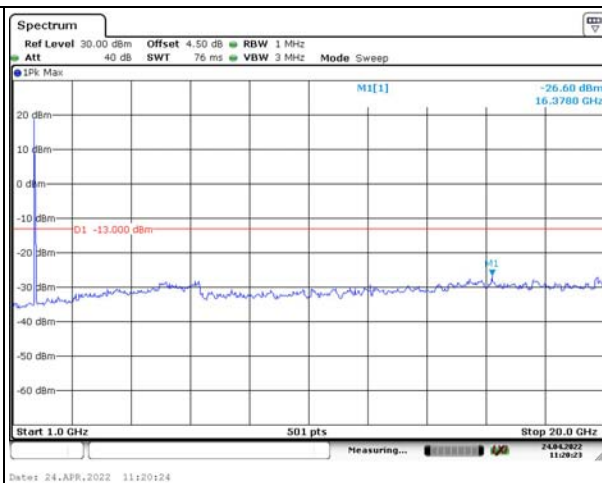
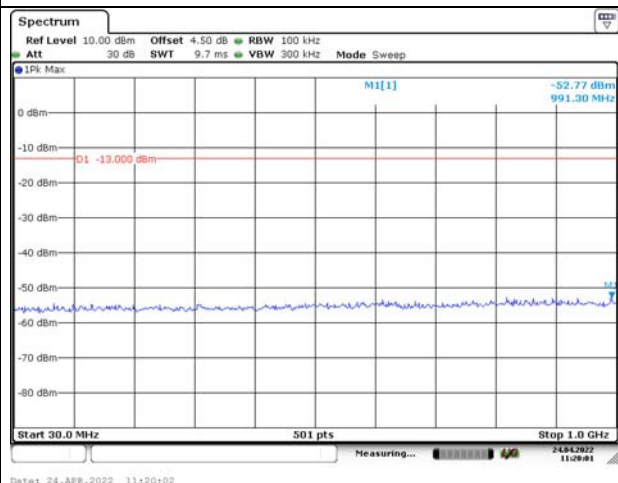


Spurious Emissions at Antenna Terminal

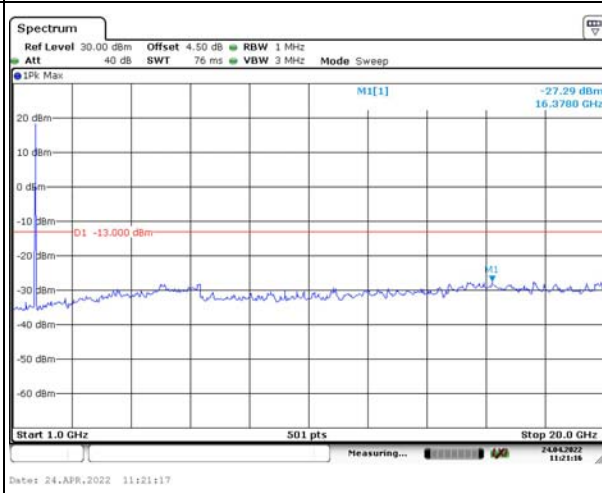
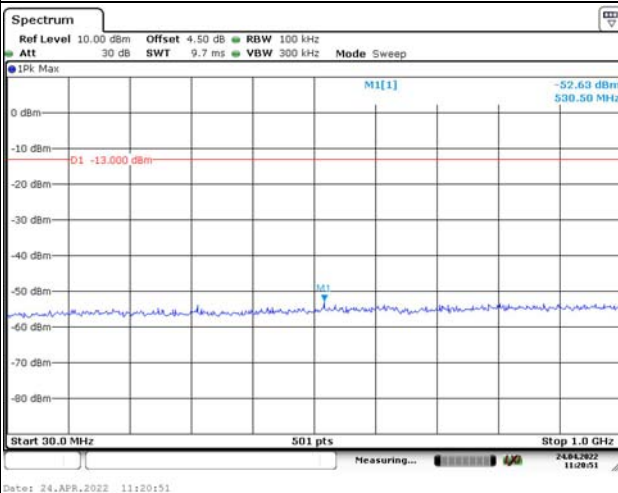
Channel

10MHz Bandwidth QPSK

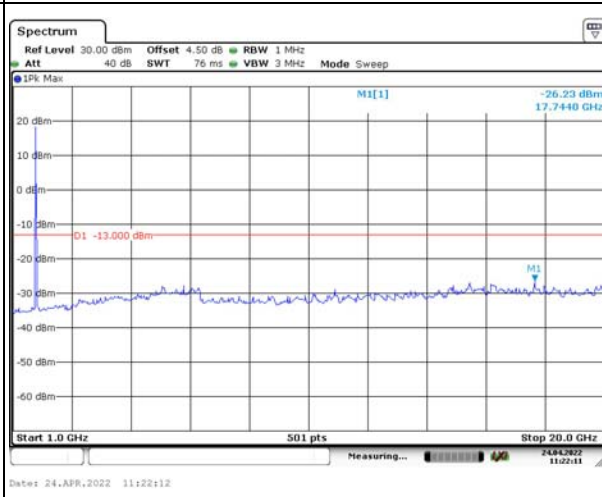
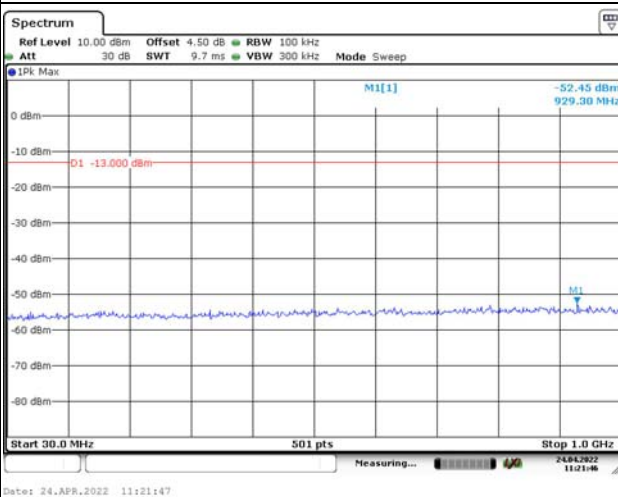
Lowest



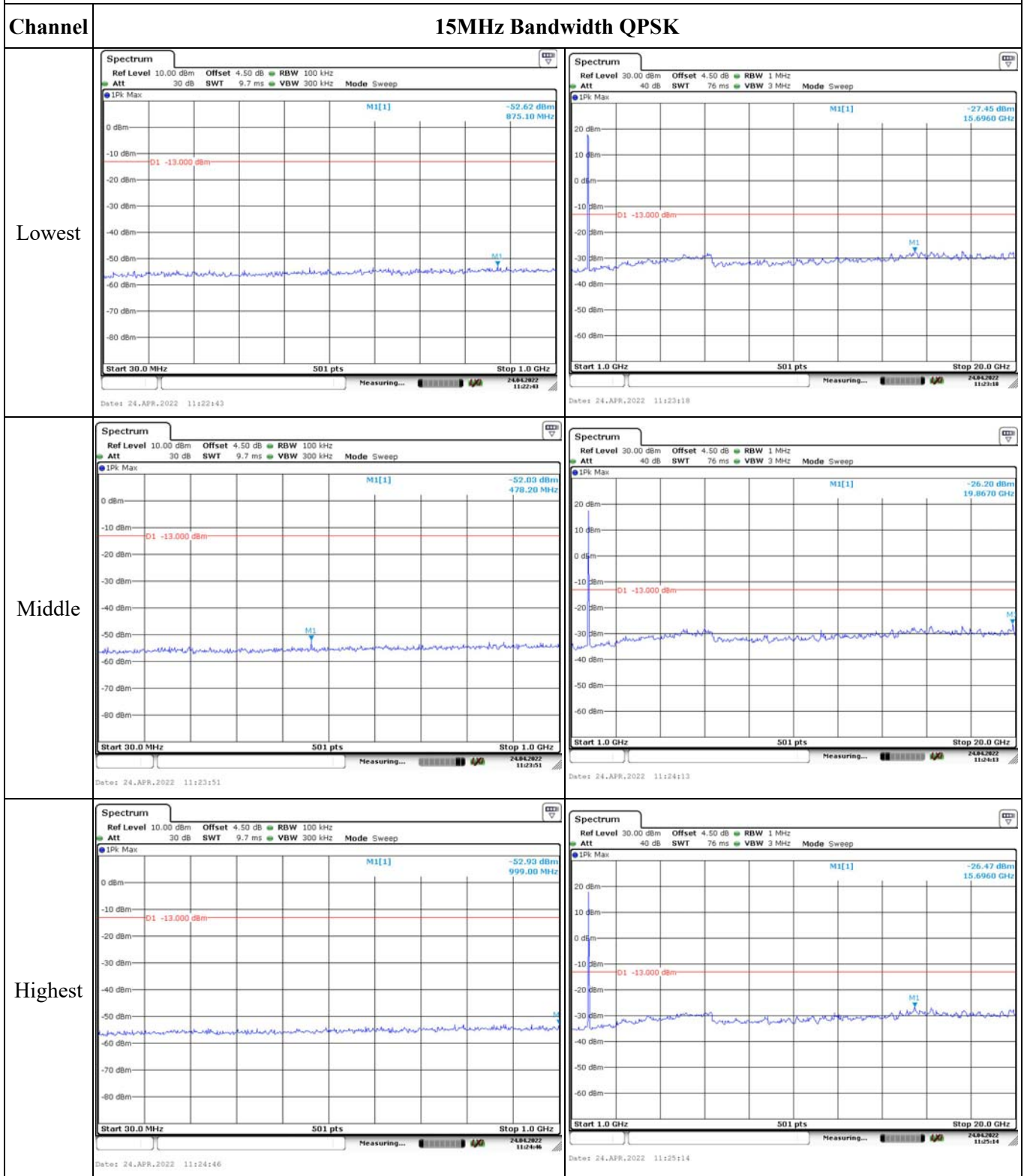
Middle



Highest



Spurious Emissions at Antenna Terminal

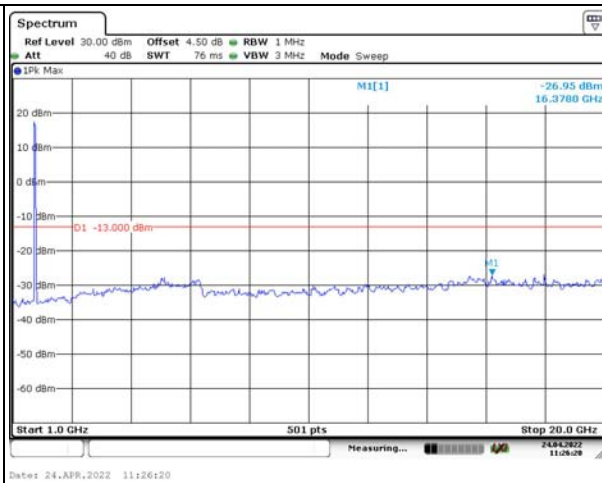
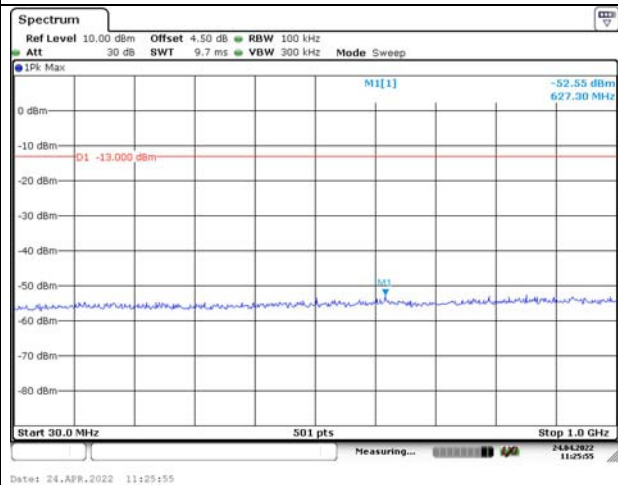


Spurious Emissions at Antenna Terminal

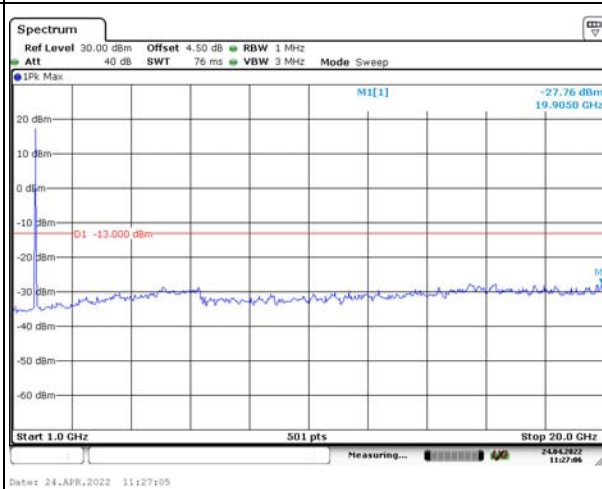
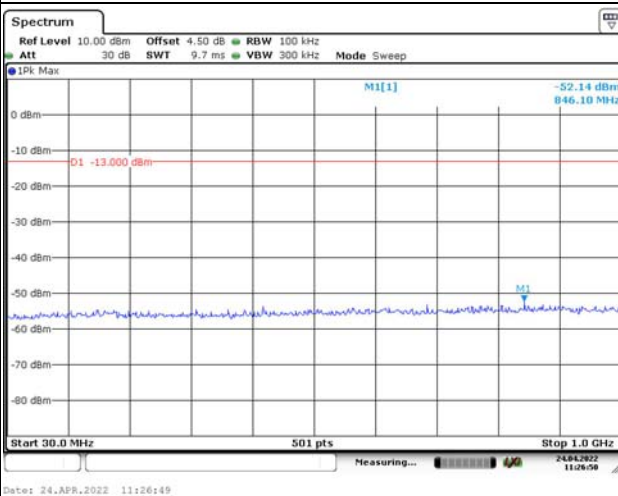
Channel

20MHz Bandwidth QPSK

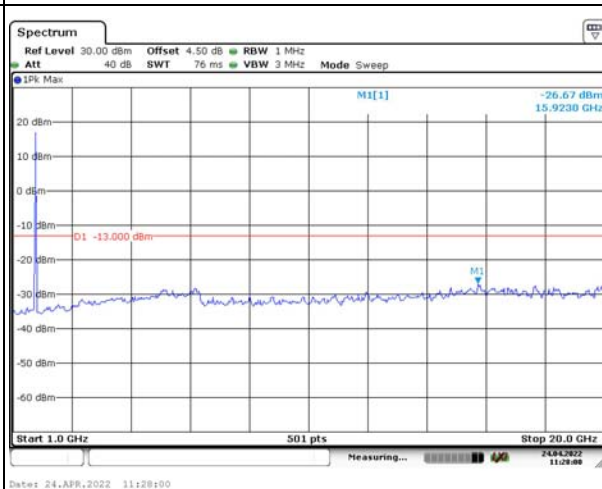
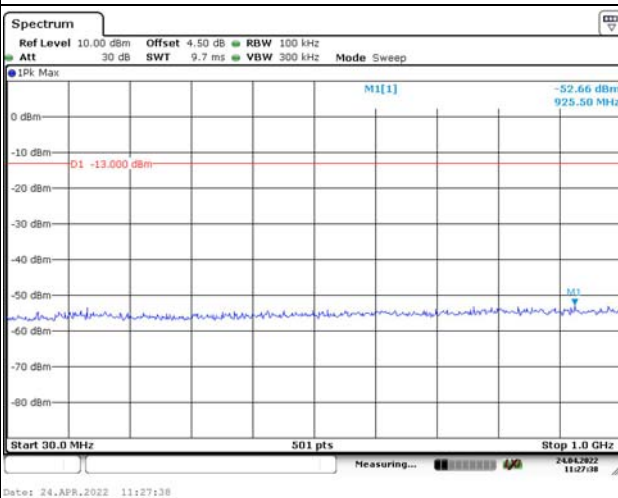
Lowest



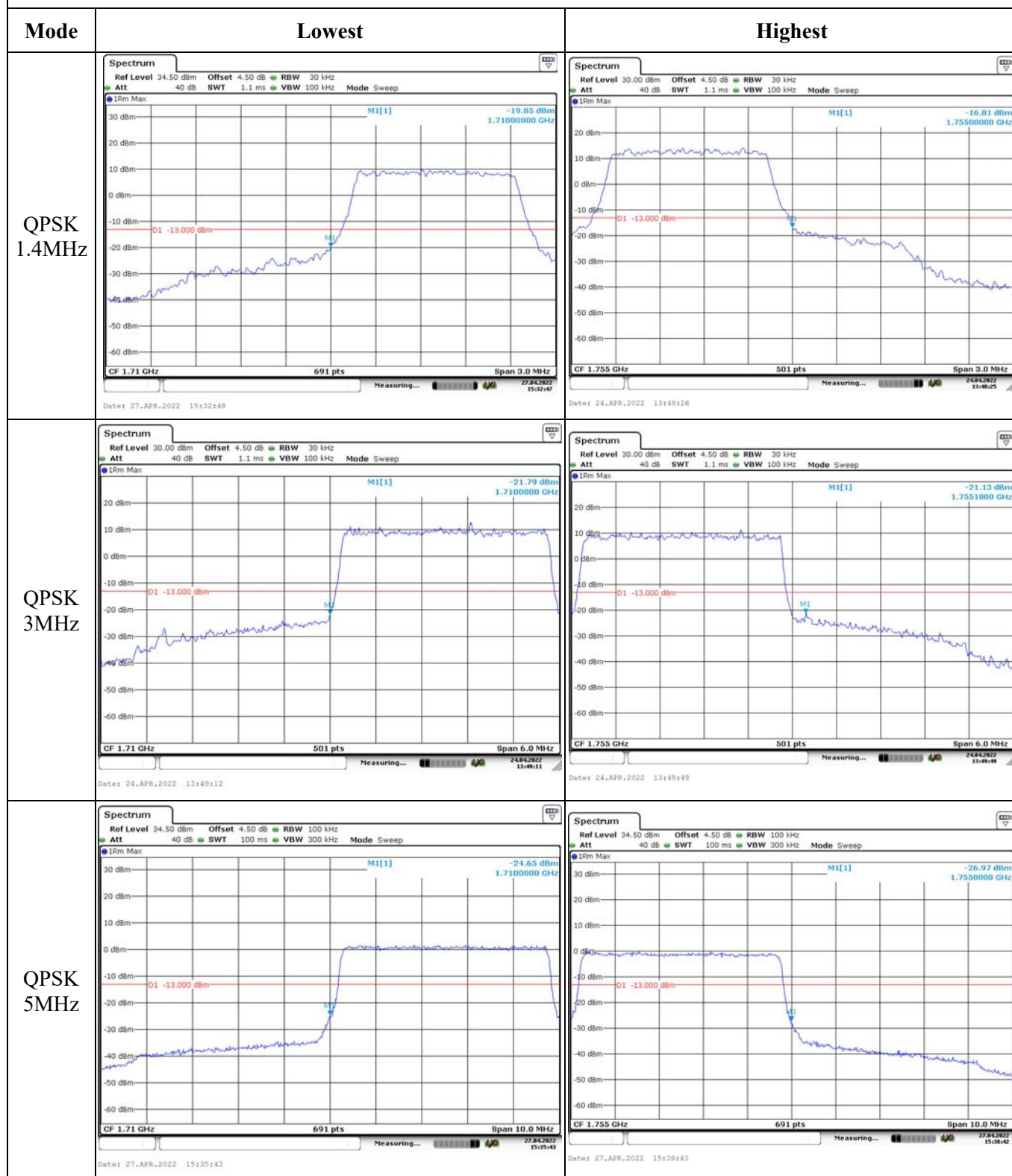
Middle



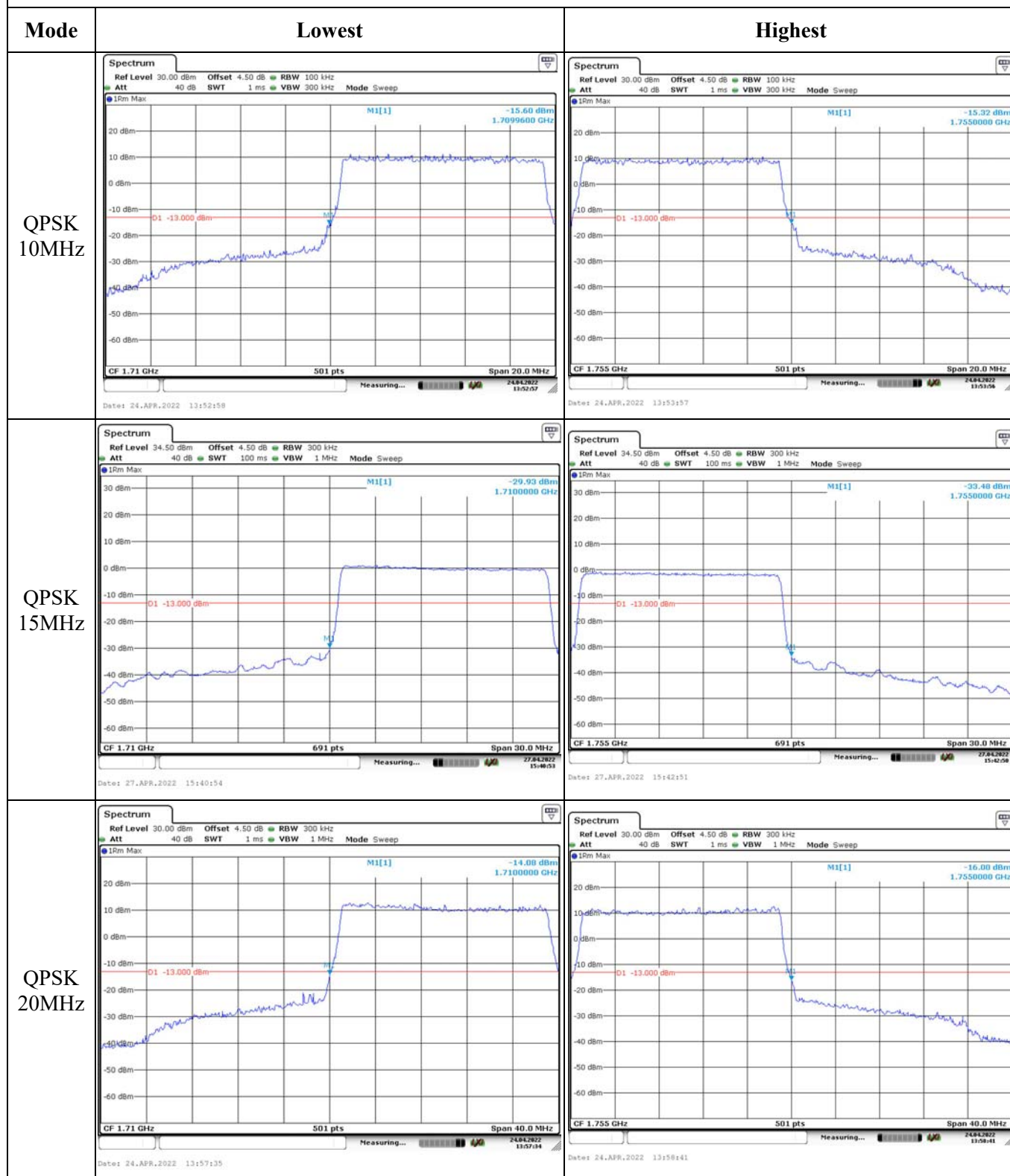
Highest



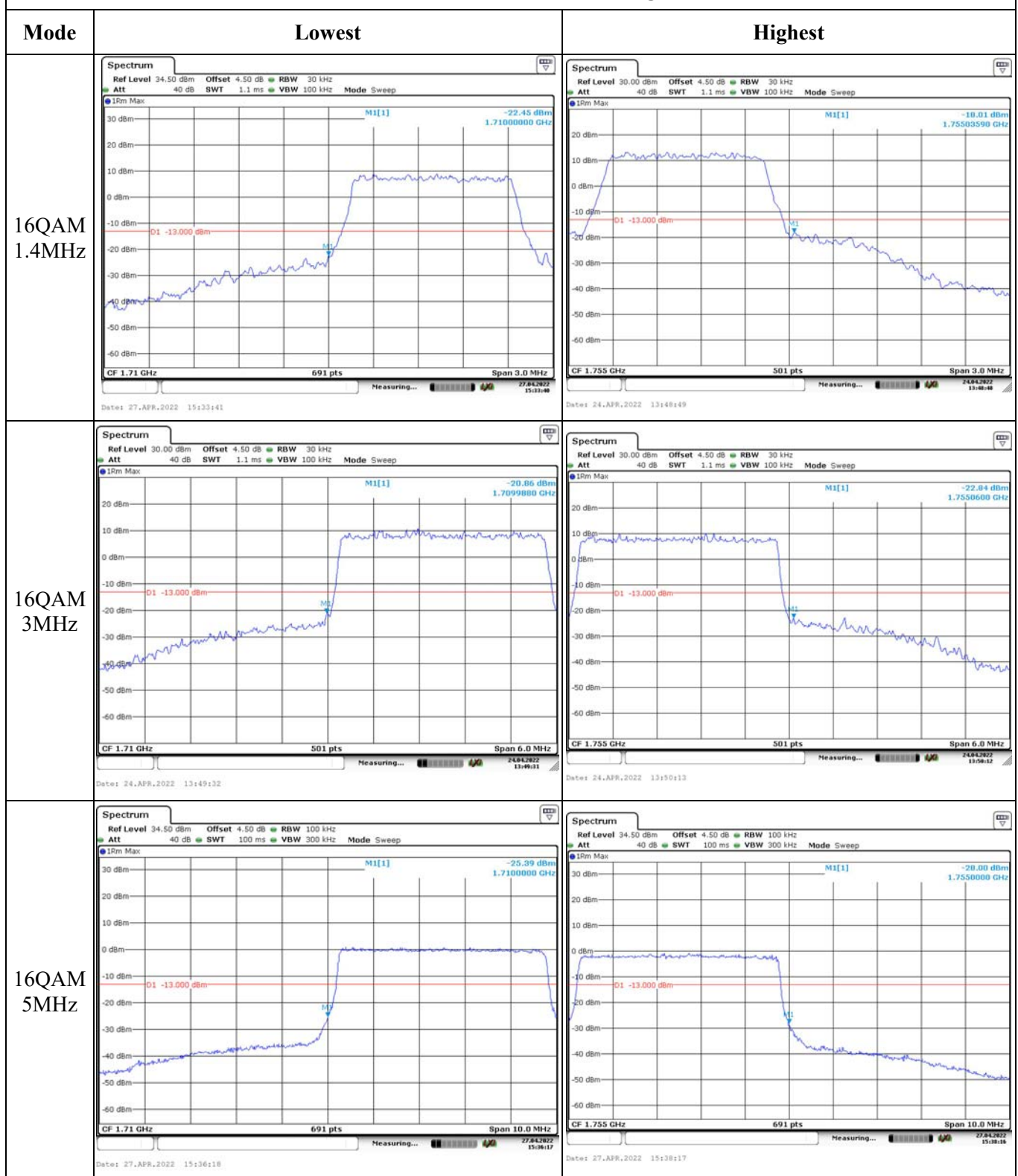
Out of band emission, Band Edge



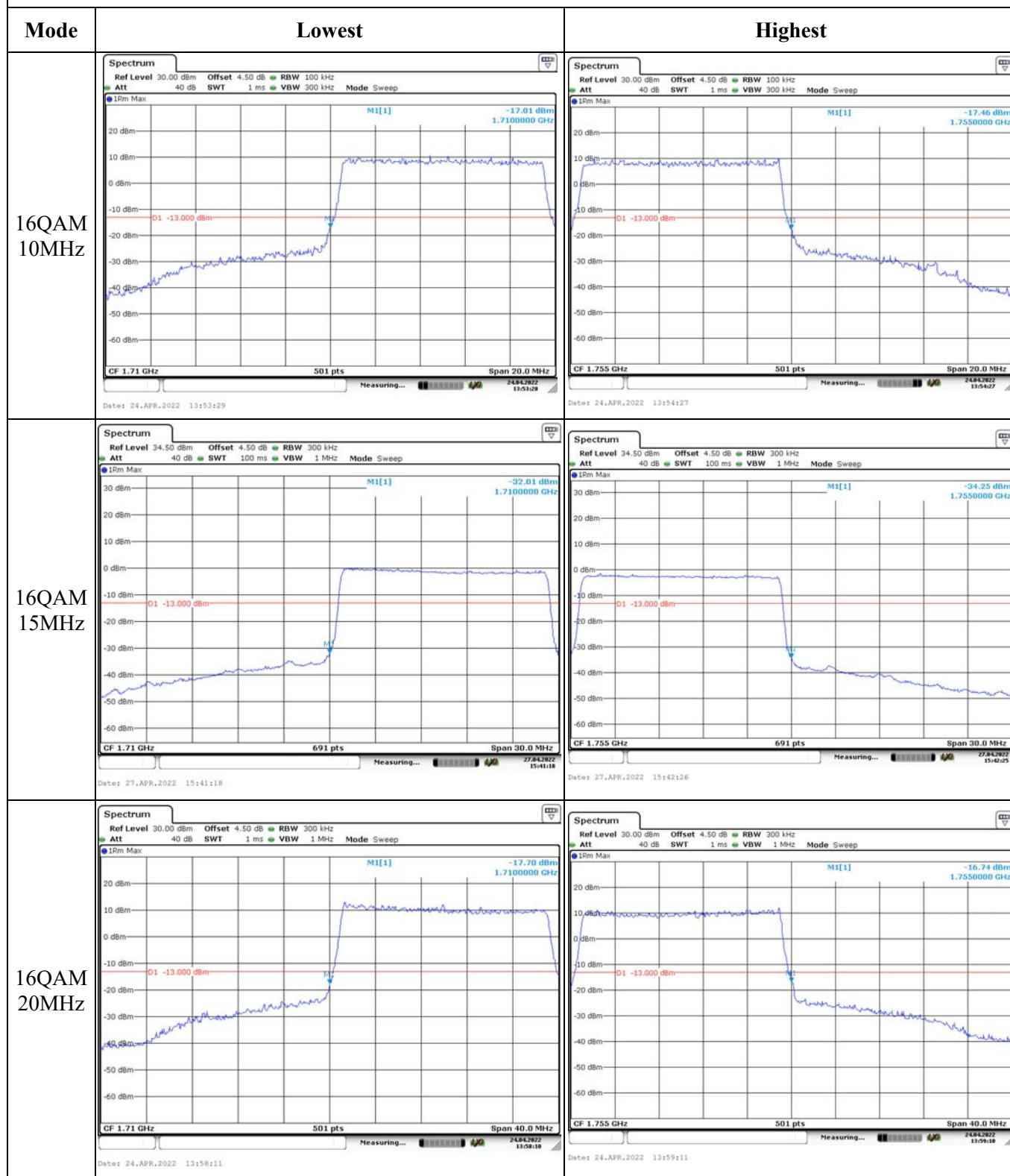
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.8 Antenna Port Test Data and Results for LTE Band 5

Serial Number:	CR22040010-RF-S1	Test Date:	2022-04-24~2022-05-17
Test Site:	RF	Test Mode:	Transmitting
Tester:	Ada Yan	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	27.3~28.6	Relative Humidity:	46~56	ATM Pressure:	100.7~100.8
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
R&S	Spectrum Analyzer	Spectrum Analyzer	101474	2021-07-22	2022-07-21
zhuoxiang	Coaxial Cable	SMA-178	211001	Each time	N/A
Mini-Circuits	DC Block	BLK-18-S+	1554403	Each time	N/A
Weinschel	Coaxial Attenuators	53-20-34	LN751	Each time	N/A
R&S	Wideband Radio	CMW500	149218	2021-07-22	2022-07-21
BACL	TEMP&HUMI Test Chamber	BTH-150	30026	2021-07-22	2022-07-22
UNI-T	Multimeter	UT39A+	C210582554	2021-09-30	2022-09-30
E-Microwave	Two-way Splitter	ODP-1-6	OE0120176	Each Time	N/A

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

EUT Information@ LTE Band 5▲:

Antenna Gain (dBi):	0.3	Antenna Gain (dBd):	-1.85	Cable Loss (dB):	1
Operation Voltage(V _{DC}):					
Lowest:	3.6	Normal:	3.8	Highest:	4.3

Test Frequency For Each Mode:

Operation Bandwidth	Lowest Frequency (MHz)	Middle Frequency (MHz)	Highest Frequency (MHz)
1.4MHz	824.7	836.5	848.3
3MHz	825.5	836.5	847.5
5MHz	826.5	836.5	846.5
10MHz	829	836.5	844

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

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum ERP (dBm)	ERP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	19.88	19.90	19.97	17.3	38.45
	RB1#3	18.06	20.14	20.15		
	RB1#5	17.88	19.96	20.02		
	RB3#0	17.96	20.03	19.97		
	RB3#3	18.04	20.02	20.05		
	RB6#0	17.90	18.97	19.01		
1.4MHz 16QAM	RB1#0	17.89	18.94	19.05	16.41	38.45
	RB1#3	18.10	19.08	19.26		
	RB1#5	18.06	18.95	19.11		
	RB3#0	18.11	19.21	19.00		
	RB3#3	18.00	19.22	19.07		
	RB6#0	17.98	18.01	18.14		
3MHz QPSK	RB1#0	20.01	20.09	20.04	17.24	38.45
	RB1#8	20.03	20.09	20.08		
	RB1#14	20.02	20.07	20.07		
	RB6#0	18.96	18.99	19.02		
	RB6#9	18.98	18.98	19.03		
	RB15#0	19.01	19.03	19.06		
3MHz 16QAM	RB1#0	19.59	19.18	19.06	16.77	38.45
	RB1#8	19.59	19.21	19.05		
	RB1#14	19.62	19.19	19.05		
	RB6#0	18.09	18.08	18.01		
	RB6#9	18.13	18.11	18.01		
	RB15#0	18.12	18.06	18.16		
5MHz QPSK	RB1#0	19.85	19.85	19.85	17.21	38.45
	RB1#13	19.99	20.06	20.01		
	RB1#24	19.89	19.87	19.93		
	RB15#0	18.92	18.96	19.07		
	RB15#10	18.96	18.93	18.91		
	RB25#0	18.93	18.94	18.94		
5MHz 16QAM	RB1#0	18.73	19.14	18.92	16.47	38.45
	RB1#13	18.87	19.32	19.05		
	RB1#24	18.78	19.16	18.98		
	RB15#0	18.03	17.98	18.15		
	RB15#10	18.04	17.98	18.02		
	RB25#0	18.06	18.00	18.06		

10MHz QPSK	RB1#0	19.85	19.85	19.90	17.32	38.45
	RB1#25	20.06	20.17	20.10		
	RB1#49	19.83	19.95	19.95		
	RB25#0	18.99	18.99	19.03		
	RB25#25	18.96	18.97	18.90		
	RB50#0	18.99	19.02	19.00		
10MHz 16QAM	RB1#0	19.45	18.96	18.88	16.86	38.45
	RB1#25	19.71	19.34	19.00		
	RB1#49	19.46	19.02	18.97		
	RB25#0	18.10	18.10	18.18		
	RB25#25	18.08	18.08	18.08		
	RB50#0	18.09	18.12	18.09		

Note: ERP=Conducted Power(dBm) - Cable loss(dB) + Antenna Gain(dBd)

Result:

Pass

Peak-to-average Ratio(PAR)

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
10MHz QPSK	RB1#0	3.59	3.51	4.35	13
	RB50#0	4.41	4.81	4.35	13
10MHz 16QAM	RB1#0	4.38	4.38	5.33	13
	RB50#0	5.48	5.91	5.39	13
				Result:	Pass

FCC §2.1049, §22.905: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	1.108	1.288	1.290	1.656
1.4MHz 16QAM	1.102	1.102	1.108	1.290	1.290	1.422
3MHz QPSK	2.683	2.683	2.683	2.868	2.880	3.000
3MHz 16QAM	2.683	2.683	2.683	2.892	2.880	2.892
5MHz QPSK	4.531	4.511	4.511	5.200	5.200	5.240
5MHz 16QAM	4.511	4.551	4.551	5.180	5.180	5.260
10MHz QPSK	8.942	8.942	8.981	10.080	9.880	9.880
10MHz 16QAM	8.942	8.942	8.981	9.800	9.960	9.840

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

FCC §2.1051, §22.917(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, §22.917(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, §22.355: Frequency Stability

Test Mode:	10 MHz QPSK		Test Channel:	836.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.8	-4	-0.005	2.5
	-20	3.8	3	0.004	2.5
	-10	3.8	4	0.005	2.5
	0	3.8	-6	-0.007	2.5
	10	3.8	-7	-0.008	2.5
	20	3.8	-2	-0.002	2.5
	30	3.8	3	0.004	2.5
	40	3.8	2	0.002	2.5
Frequency Stability vs. Voltage	50	3.8	4	0.005	2.5
	20	3.6	-3	-0.004	2.5
	20	4.3	5	0.006	2.5
				Result:	Pass

Test Mode:	10 MHz 16QAM		Test Channel:	836.5	MHz
Test Item	Temperature (°C)	Voltage (V _{DC})	Frequency Error		Limit
			(Hz)	(ppm)	(ppm)
Frequency Stability vs. Temperature	-30	3.8	2	0.002	2.5
	-20	3.8	3	0.004	2.5
	-10	3.8	-5	-0.006	2.5
	0	3.8	-8	-0.010	2.5
	10	3.8	7	0.008	2.5
	20	3.8	-7	-0.008	2.5
	30	3.8	4	0.005	2.5
	40	3.8	2	0.002	2.5
Frequency Stability vs. Voltage	50	3.8	-6	-0.007	2.5
	20	3.6	2	0.002	2.5
	20	4.3	-4	-0.005	2.5
				Result:	Pass

Test Plots:

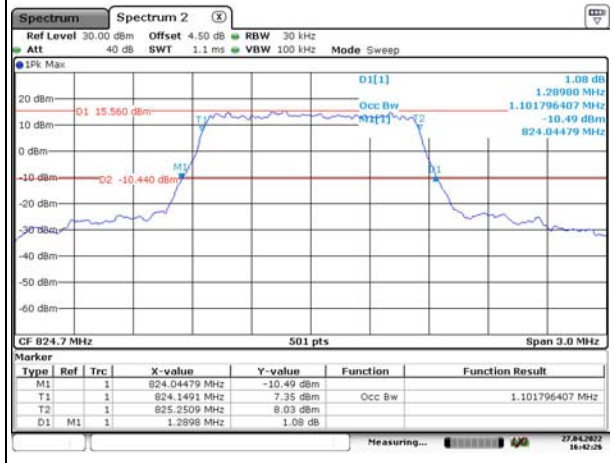
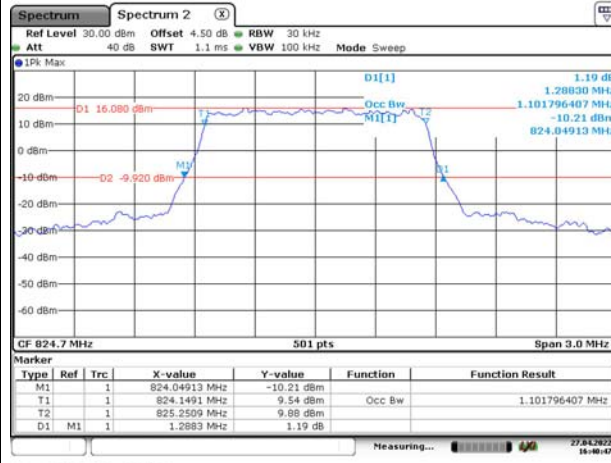
Occupied Bandwidth

Channel

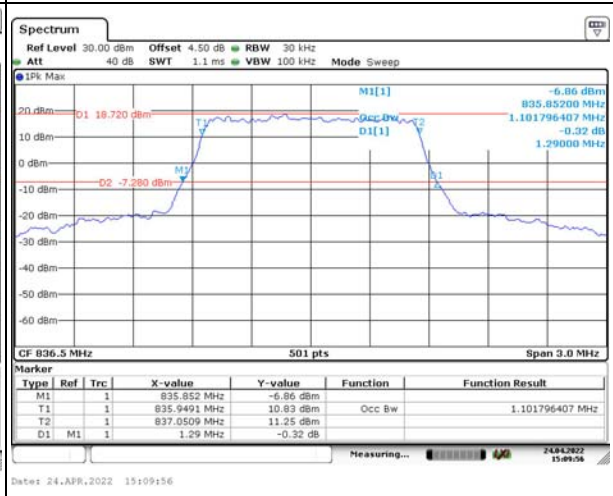
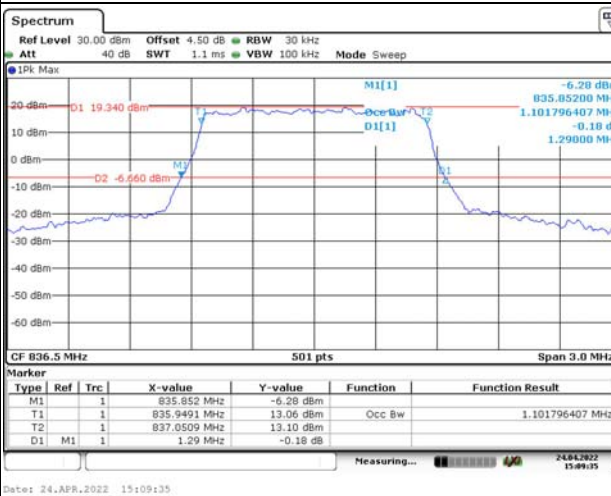
1.4MHz Bandwidth QPSK

1.4MHz Bandwidth 16QAM

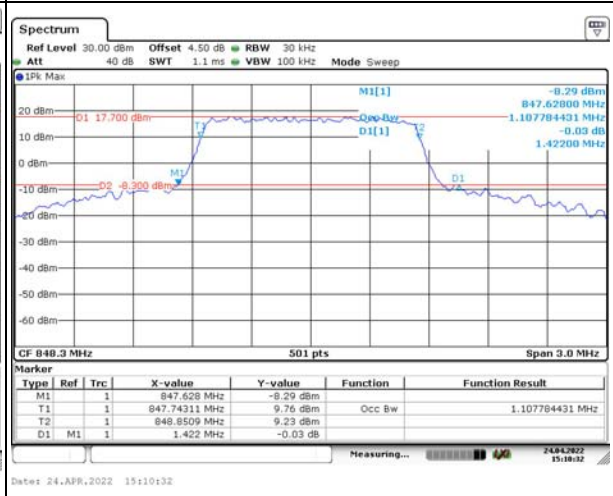
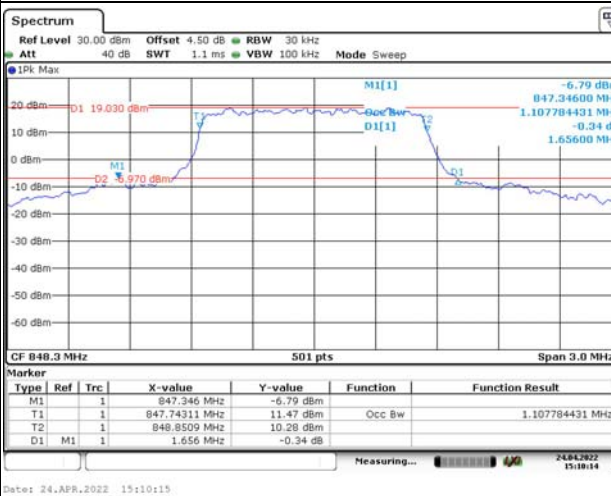
Lowest



Middle



Highest



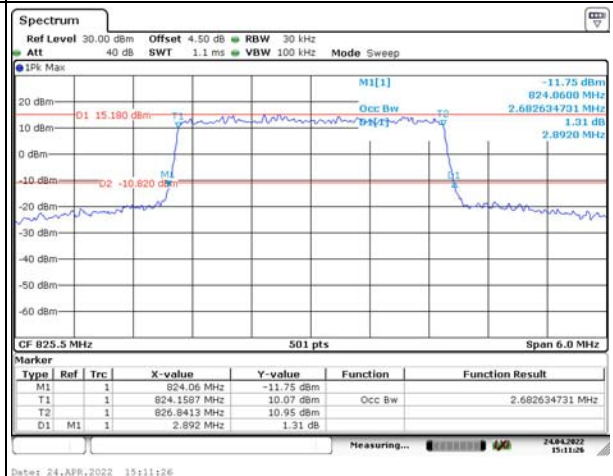
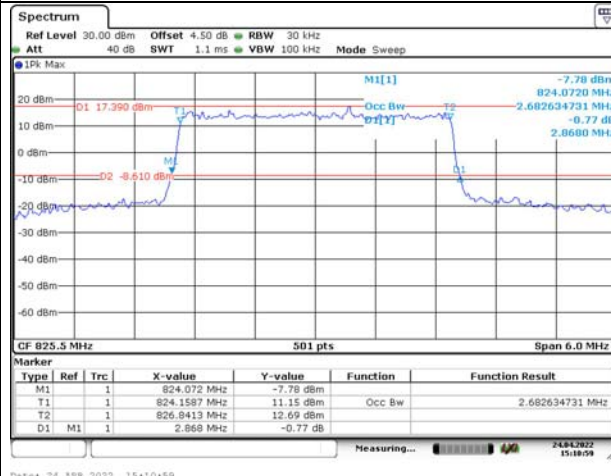
Occupied Bandwidth

Channel

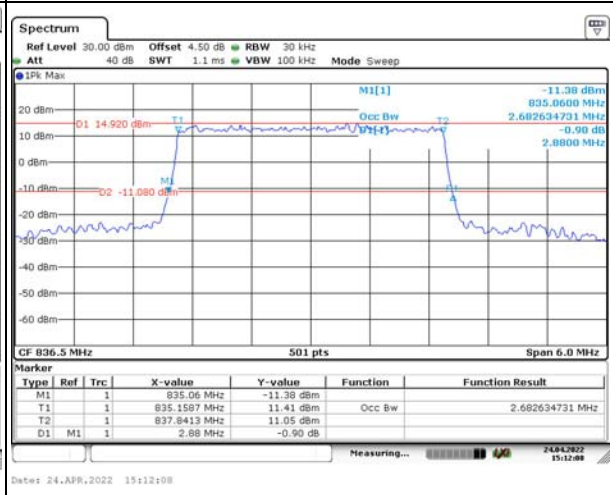
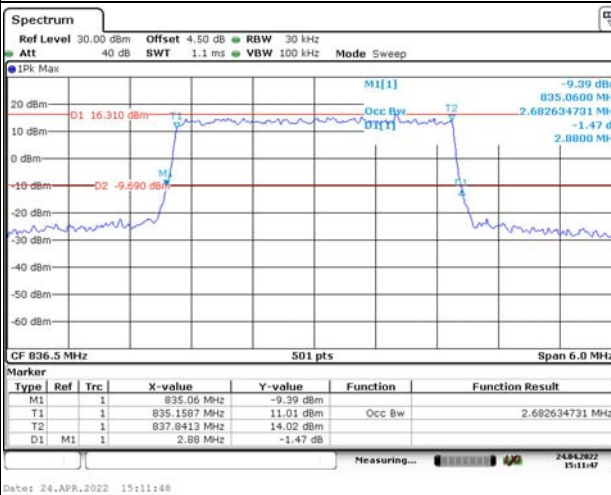
3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

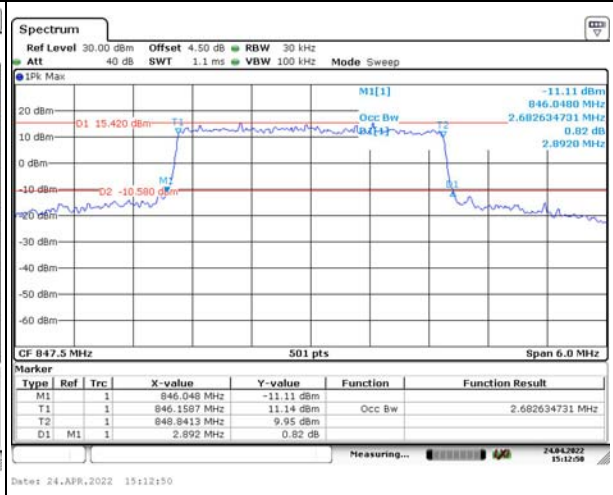
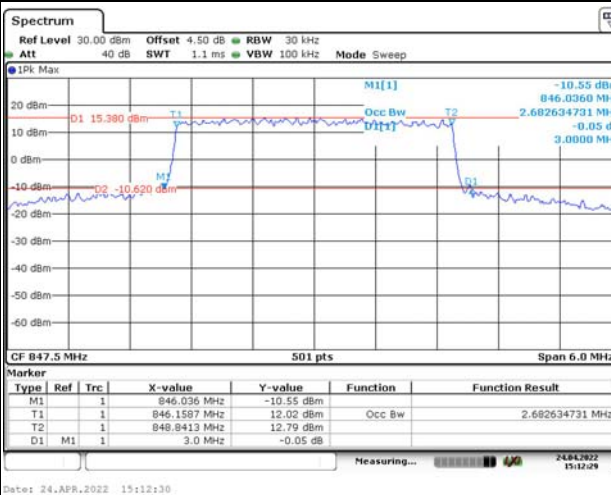
Lowest



Middle



Highest



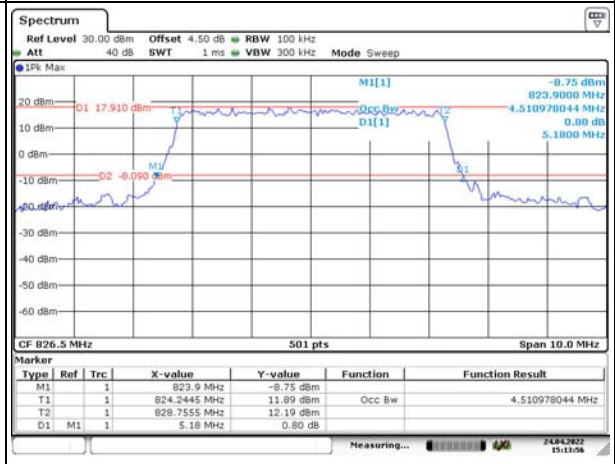
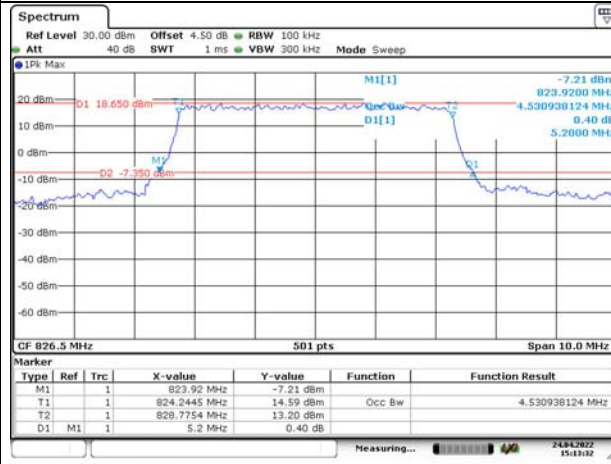
Occupied Bandwidth

Channel

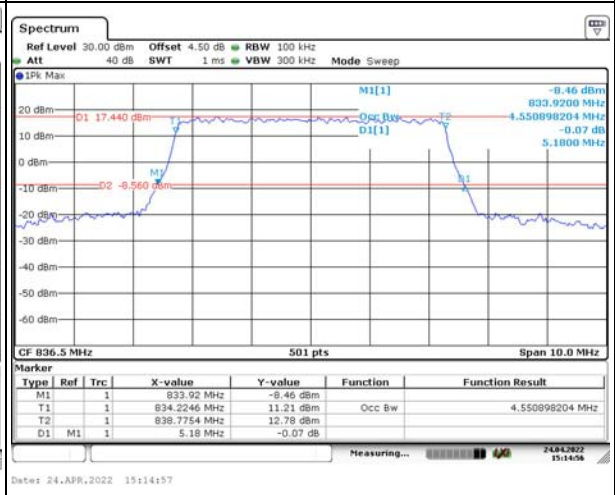
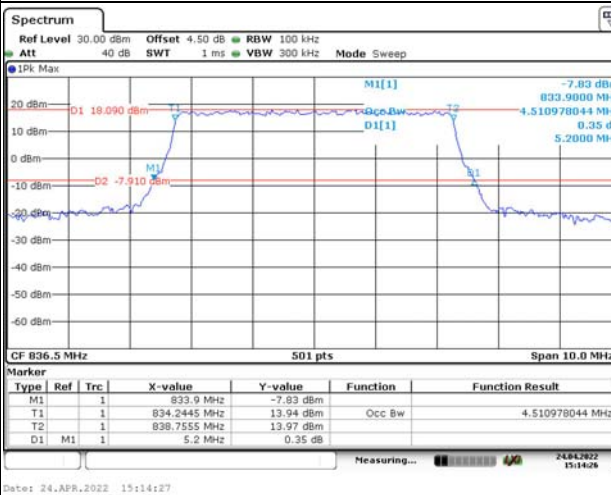
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

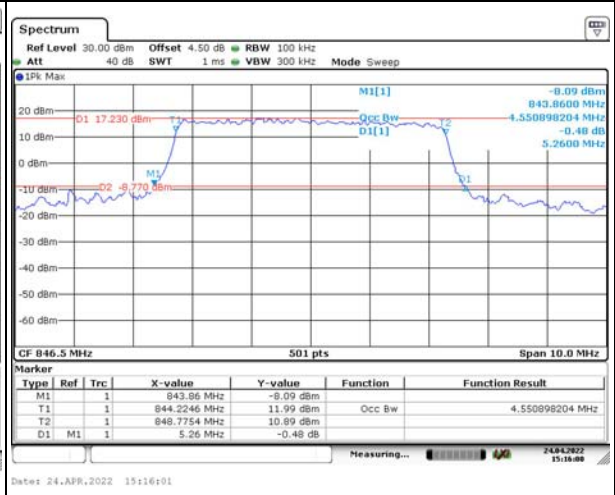
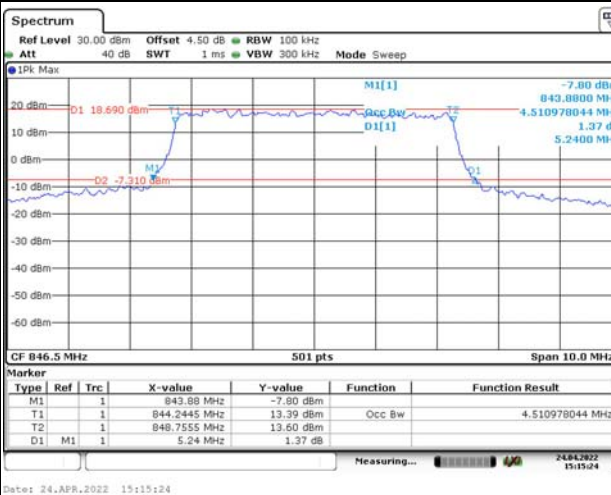
Lowest



Middle



Highest



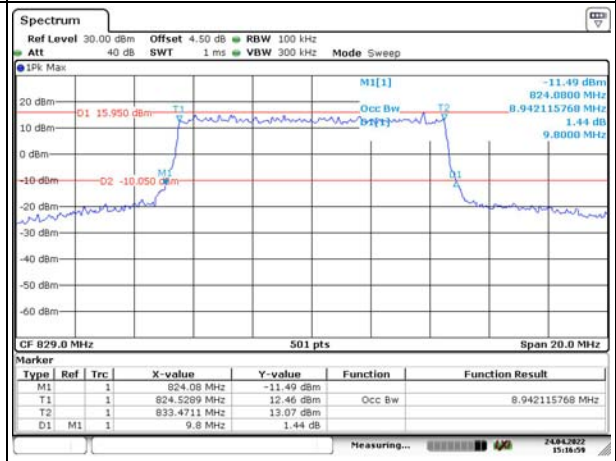
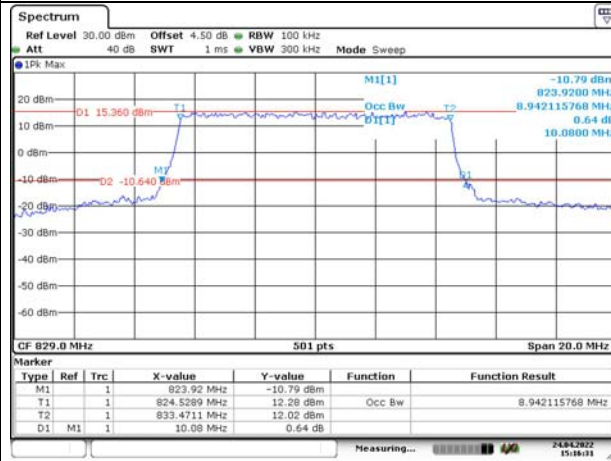
Occupied Bandwidth

Channel

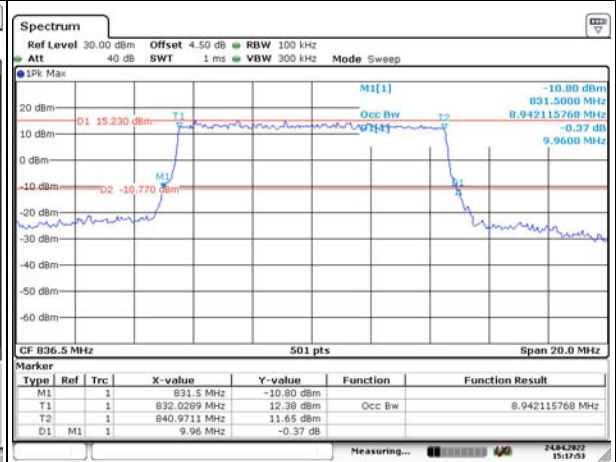
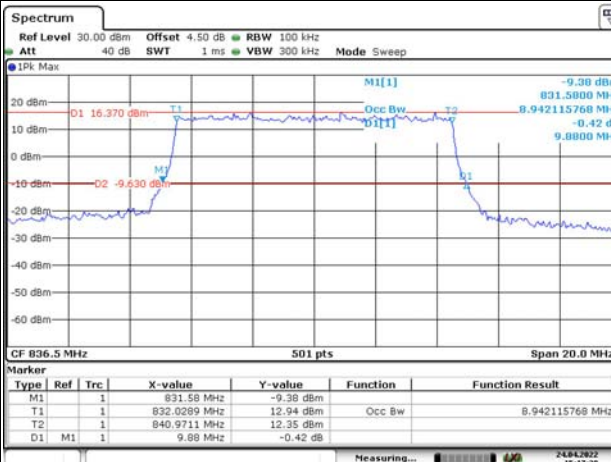
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

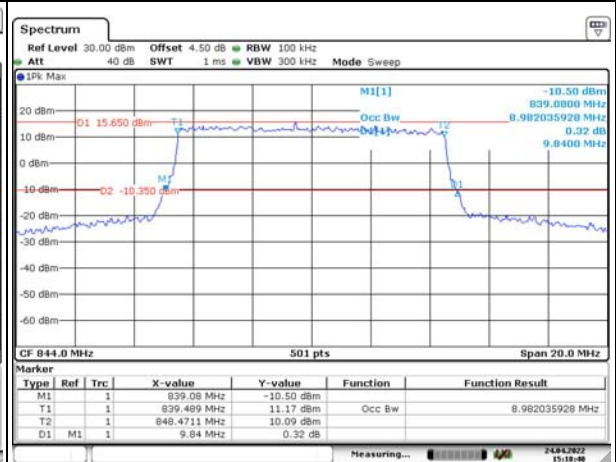
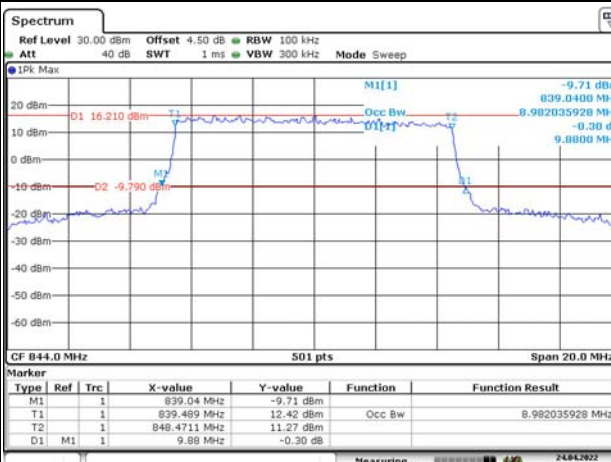
Lowest



Middle



Highest

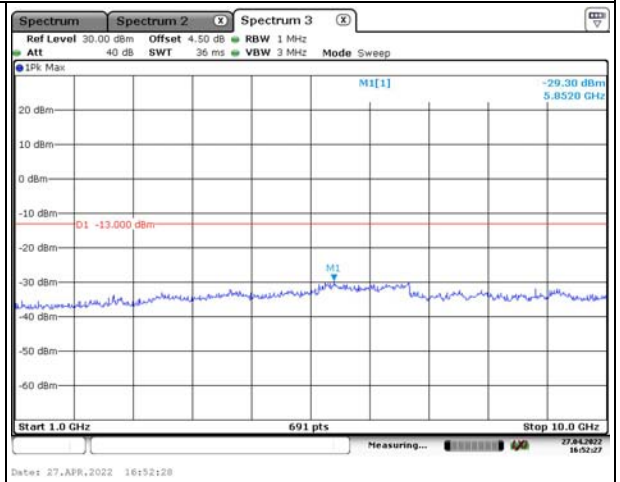
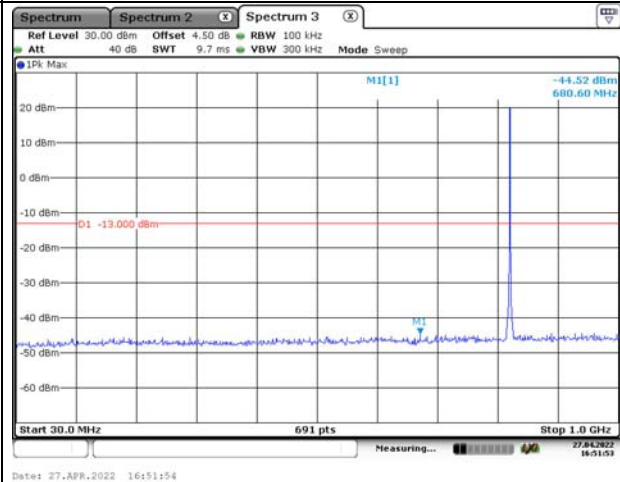


Spurious Emissions at Antenna Terminal

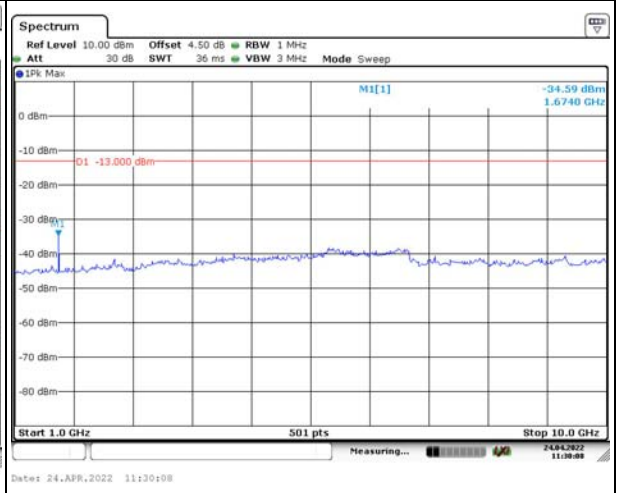
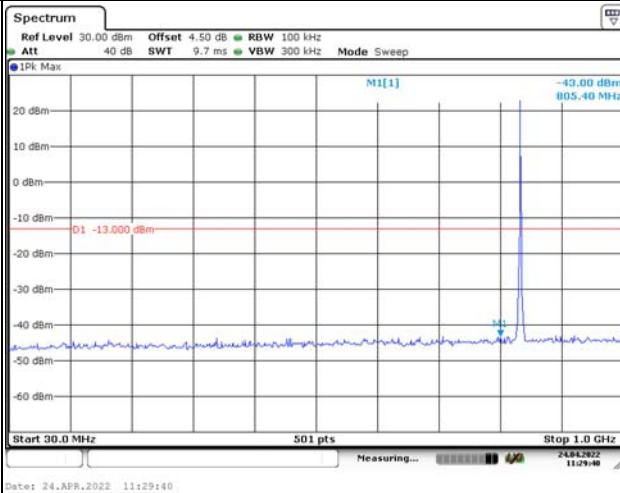
Channel

1.4MHz Bandwidth QPSK

Lowest



Middle



Highest

