

Test Data:**FCC§2.1046;§ 27.50(h)(2)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	22.21	22.16	22.06	24.9	33
	RB1#13	22.32	22.29	22.14		
	RB1#24	22.2	22.17	22.01		
	RB15#0	21.3	21.22	21.13		
	RB15#10	21.27	21.24	21.16		
	RB25#0	21.3	21.24	21.1		
5MHz 16QAM	RB1#0	21.27	21.39	21.06	24.08	33
	RB1#13	21.38	21.5	21.14		
	RB1#24	21.24	21.4	21.02		
	RB15#0	20.33	20.26	20.05		
	RB15#10	20.3	20.29	20.08		
	RB25#0	20.29	20.22	20.16		
10MHz QPSK	RB1#0	22.29	22.27	22.26	25.12	33
	RB1#25	22.51	22.54	22.49		
	RB1#49	22.23	22.28	22.2		
	RB25#0	21.31	21.3	21.23		
	RB25#25	21.34	21.35	21.14		
	RB50#0	21.29	21.31	21.15		
10MHz 16QAM	RB1#0	21.52	21.19	21.32	24.29	33
	RB1#25	21.71	21.47	21.5		
	RB1#49	21.46	21.2	21.22		
	RB25#0	20.35	20.33	20.27		
	RB25#25	20.33	20.36	20.21		
	RB50#0	20.31	20.31	20.25		
15MHz QPSK	RB1#0	22.2	22.23	22.22	24.88	33
	RB1#38	22.3	22.29	22.26		
	RB1#74	22.2	22.27	22.12		
	RB36#0	21.35	21.28	21.27		
	RB36#39	21.34	21.36	21.07		
	RB75#0	21.36	21.33	21.28		
15MHz 16QAM	RB1#0	21.43	21.16	21.37	24.06	33
	RB1#38	21.48	21.22	21.42		
	RB1#74	21.39	21.14	21.26		
	RB36#0	20.3	20.2	20.29		
	RB36#39	20.27	20.28	20.28		
	RB75#0	20.32	20.31	20.14		
20MHz QPSK	RB1#0	22.08	22.07	22.13	25.11	33
	RB1#50	22.48	22.46	22.53		
	RB1#99	22.04	22	22		

20MHz 16QAM	RB50#0	21.28	21.23	21.2	24.32	33
	RB50#50	21.31	21.33	21.19		
	RB100#0	21.31	21.27	21.18		
	RB1#0	21.16	21.03	21.34		
	RB1#50	21.55	21.47	21.74		
	RB1#99	21.1	21.01	21.23		
	RB50#0	20.29	20.28	20.21		
	RB50#50	20.29	20.41	20.18		
	RB100#0	20.31	20.31	20.2		

Note: EIRP=Conducted Power(dBm) - Lc(dB) + G_T(dBi)

Result:**Pass****Peak-to-average Ratio(PAR)**

Test Bandwidth & Modulation	Resource Block & RB offset	Peak-to-average Ratio(dB)			Limit (dB)
		Lowest Channel	Middle Channel	Highest Channel	
20MHz QPSK	RB1#0	8.99	9.01	8.81	13
	RB100#0	8.64	8.58	9.16	13
20MHz 16QAM	RB1#0	9.88	9.74	9.74	13
	RB100#0	10.12	10.09	9.33	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	4.511	4.511	4.491	4.96	5.06	4.94
5MHz 16QAM	4.511	4.511	4.511	5.16	4.98	5.24
10MHz QPSK	8.982	8.942	8.942	9.76	9.72	9.84
10MHz 16QAM	8.942	8.942	8.942	9.52	9.56	10.24
15MHz QPSK	13.473	13.473	13.473	15.96	15.9	15.48
15MHz 16QAM	13.593	13.593	13.593	15.9	16.92	17.28
20MHz QPSK	18.044	17.964	17.964	19.6	19.92	20.24
20MHz 16QAM	17.964	17.964	17.964	19.92	21.04	19.44

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

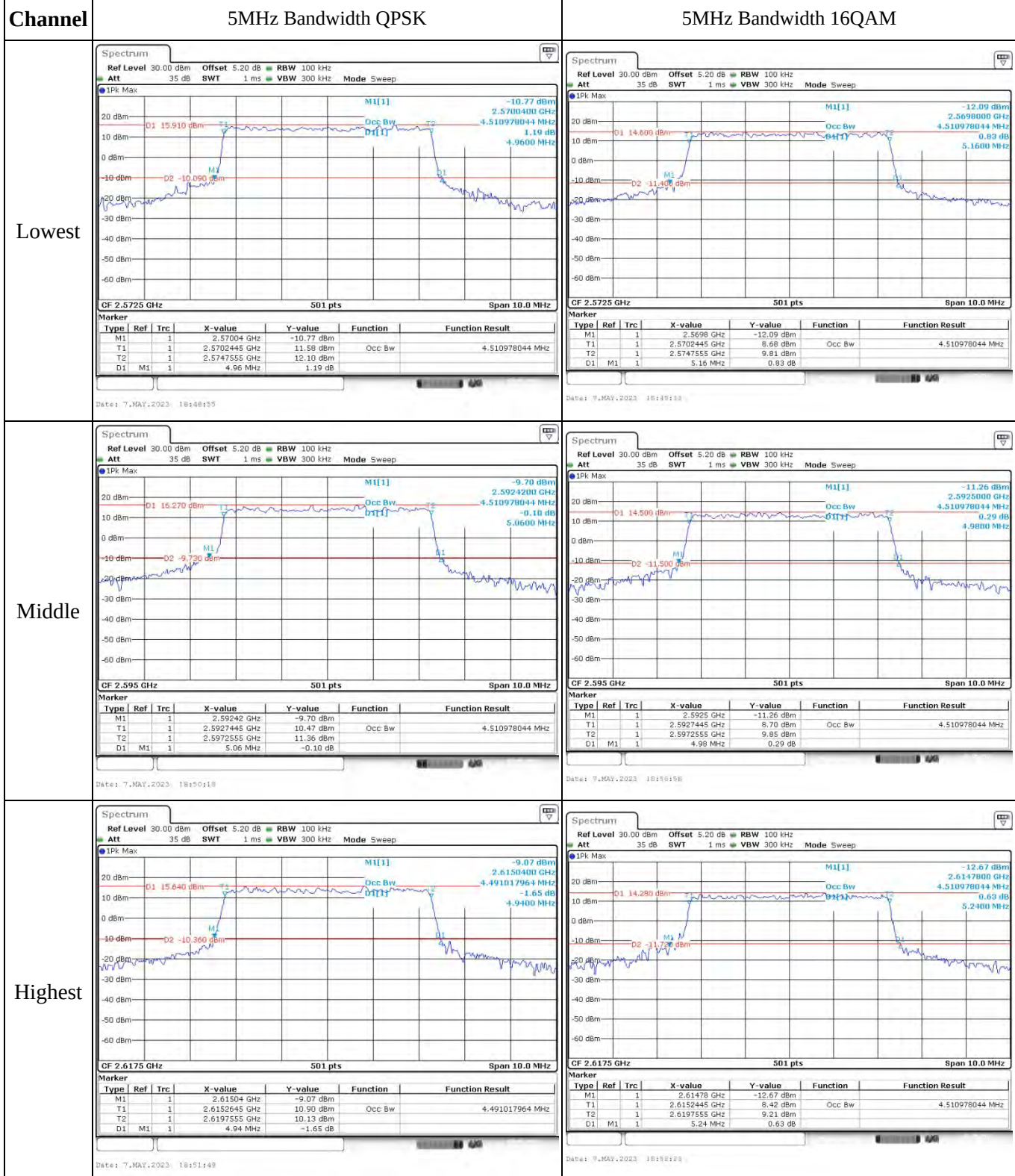
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge
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Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2570.917	2570.00	2619.094	2620
	-20	3.85	2570.974	2570.00	2619.013	2620
	-10	3.85	2570.963	2570.00	2619.096	2620
	0	3.85	2570.903	2570.00	2619.088	2620
	10	3.85	2570.955	2570.00	2619.071	2620
	20	3.85	2570.978	2570.00	2619.022	2620
	30	3.85	2570.902	2570.00	2619.079	2620
	40	3.85	2570.960	2570.00	2619.034	2620
	50	3.85	2570.993	2570.00	2619.037	2620
Frequency Stability vs. Voltage	20	3.5	2570.977	2570.00	2619.100	2620
	20	4.4	2570.931	2570.00	2619.048	2620
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2571.076	2570.00	2619.070	2620
	-20	3.85	2571.036	2570.00	2619.069	2620
	-10	3.85	2571.094	2570.00	2619.013	2620
	0	3.85	2571.032	2570.00	2619.071	2620
	10	3.85	2571.022	2570.00	2619.083	2620
	20	3.85	2571.058	2570.00	2619.022	2620
	30	3.85	2571.085	2570.00	2619.029	2620
	40	3.85	2571.092	2570.00	2619.084	2620
	50	3.85	2571.093	2570.00	2619.036	2620
Frequency Stability vs. Voltage	20	3.5	2571.094	2570.00	2619.036	2620
	20	4.4	2571.061	2570.00	2619.012	2620
					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



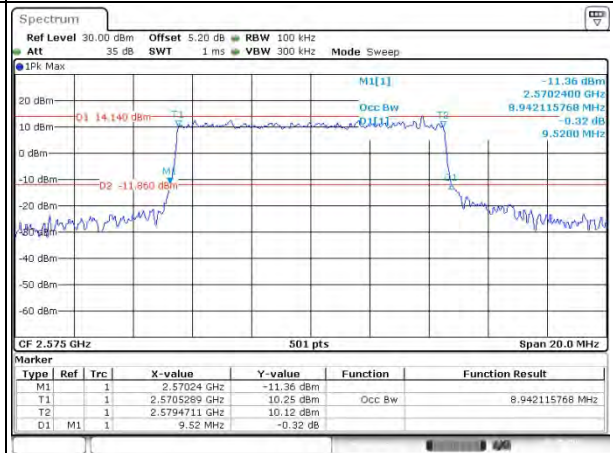
Occupied Bandwidth

Channel

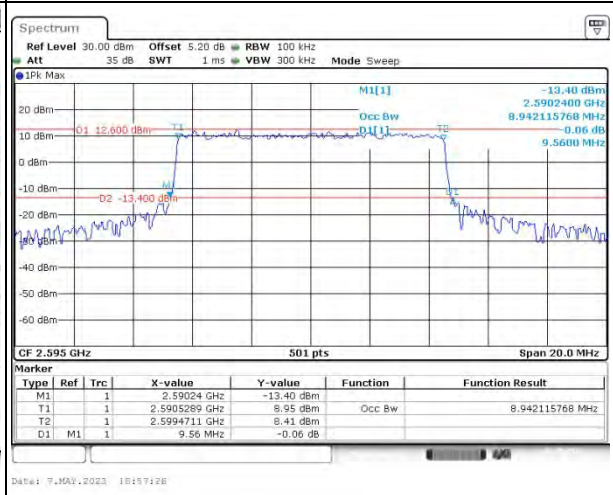
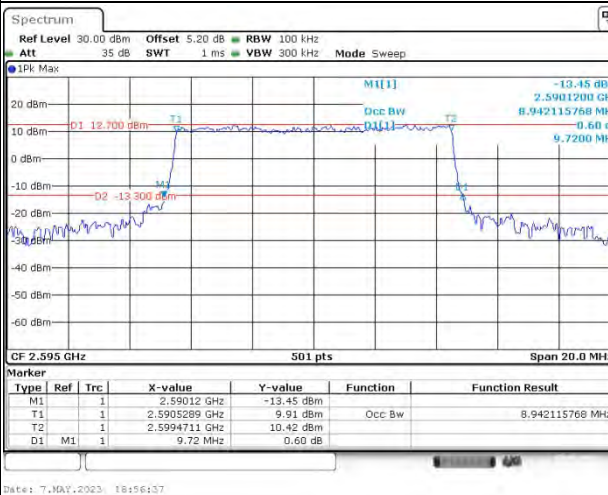
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

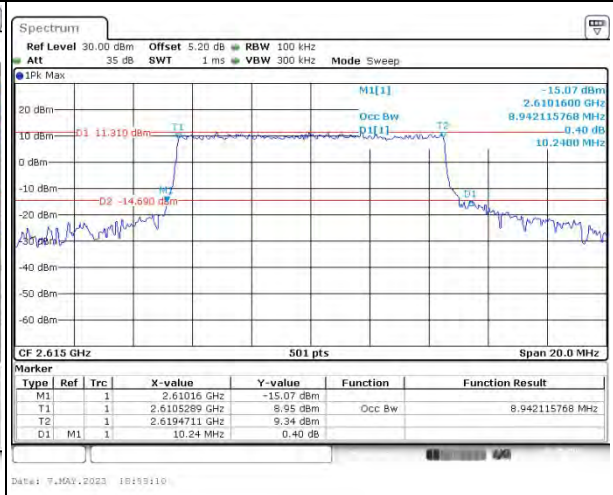
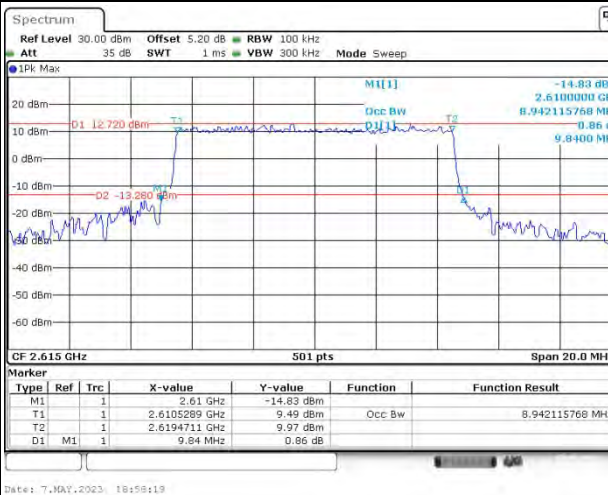
Lowest



Middle



Highest



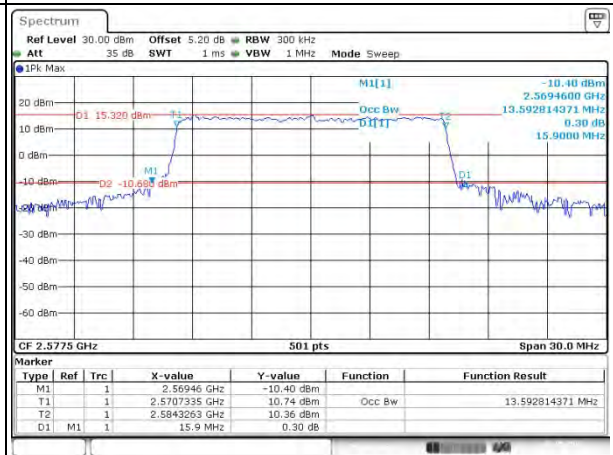
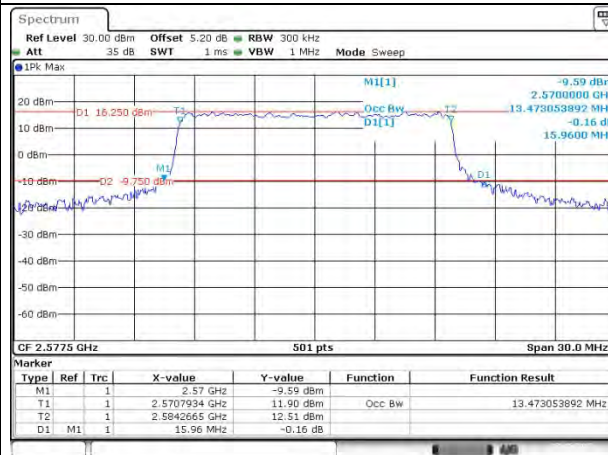
Occupied Bandwidth

Channel

15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

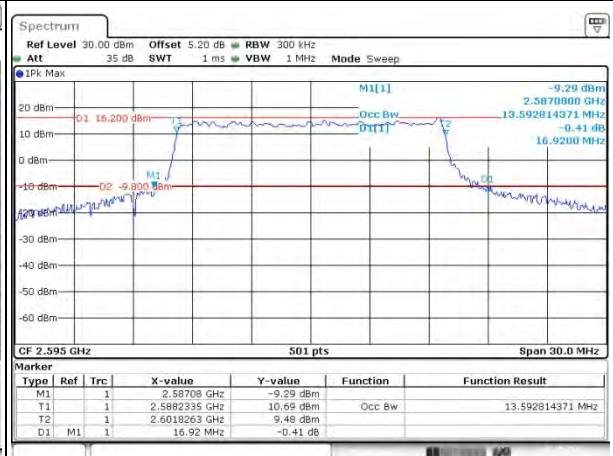
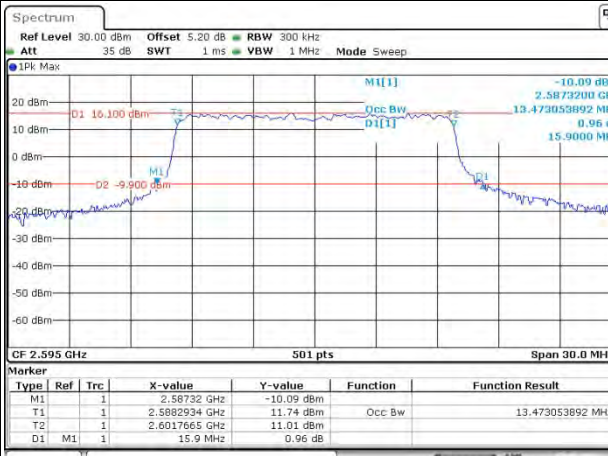
Lowest



Date: 7.MAY.2023 19:02:12

Date: 7.MAY.2023 19:02:12

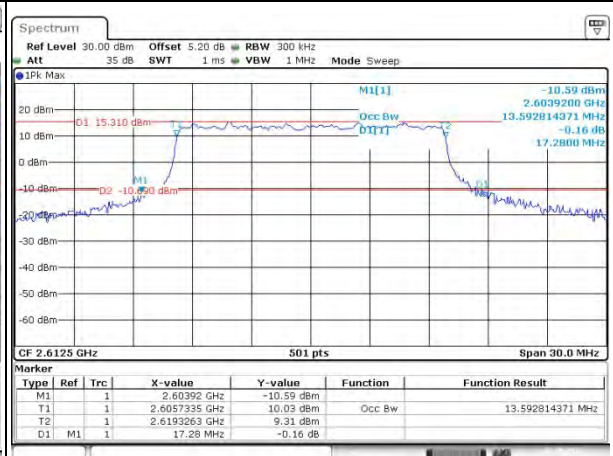
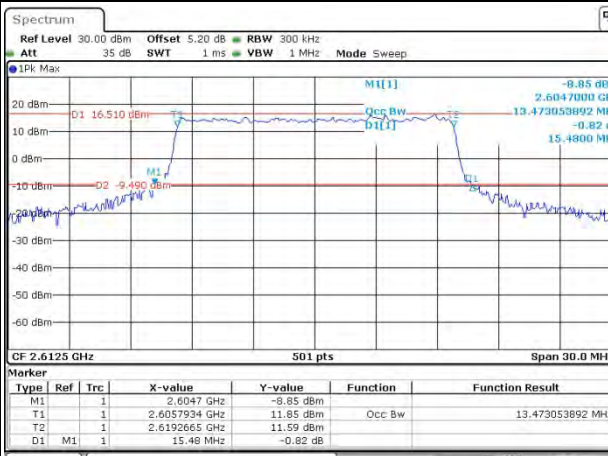
Middle



Date: 7.MAY.2023 19:02:15

Date: 7.MAY.2023 19:02:14

Highest



Date: 7.MAY.2023 19:04:13

Date: 7.MAY.2023 19:05:00

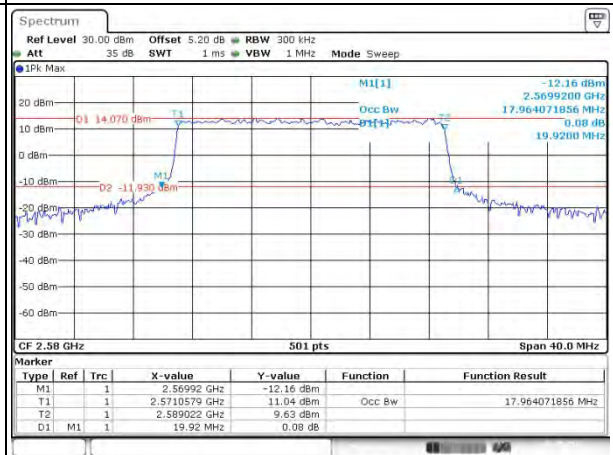
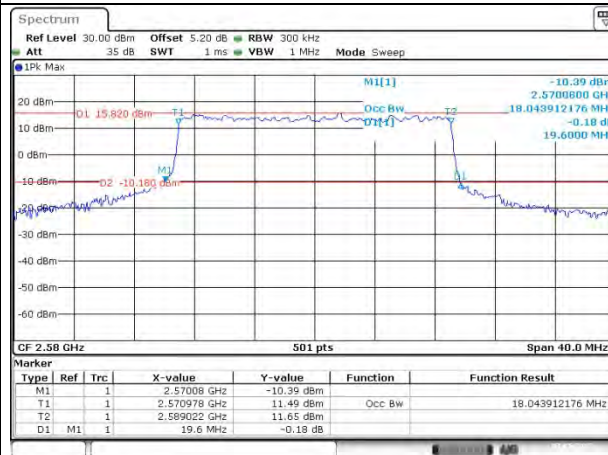
Occupied Bandwidth

Channel

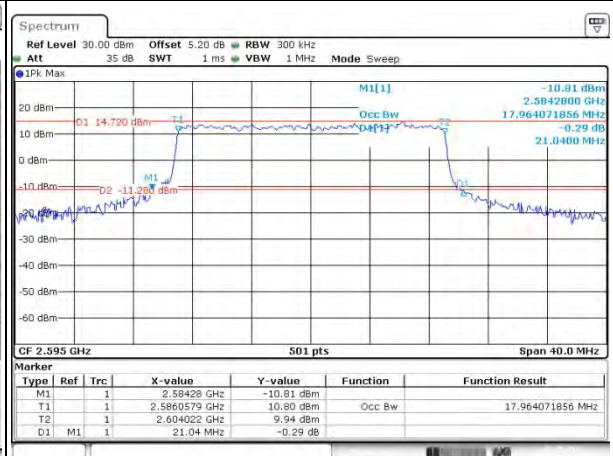
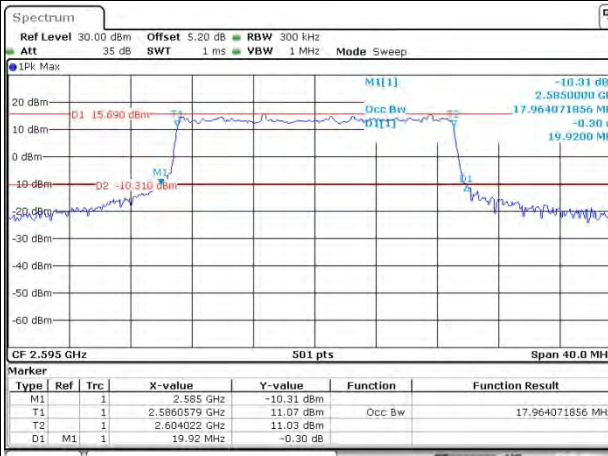
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

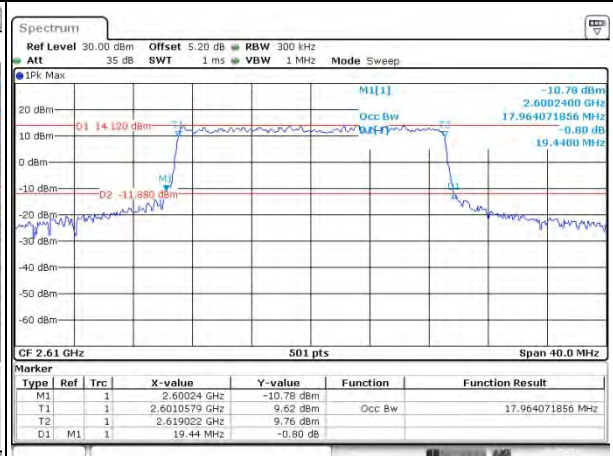
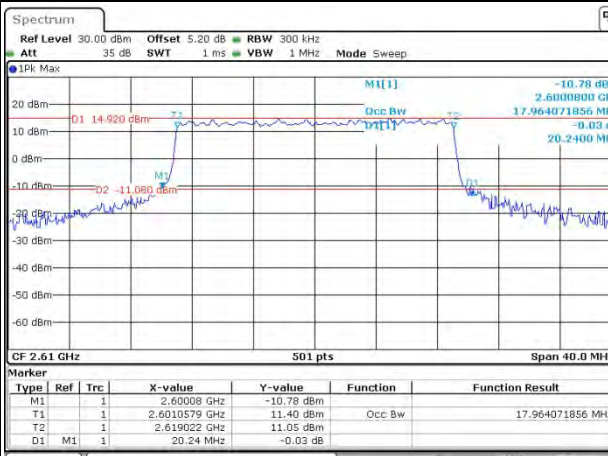
Lowest



Middle



Highest

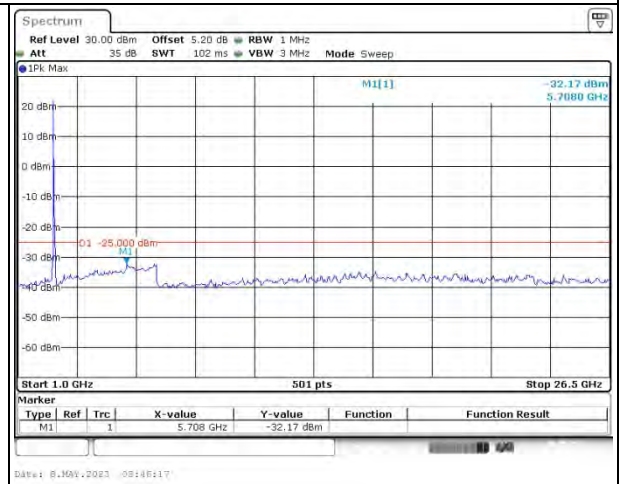
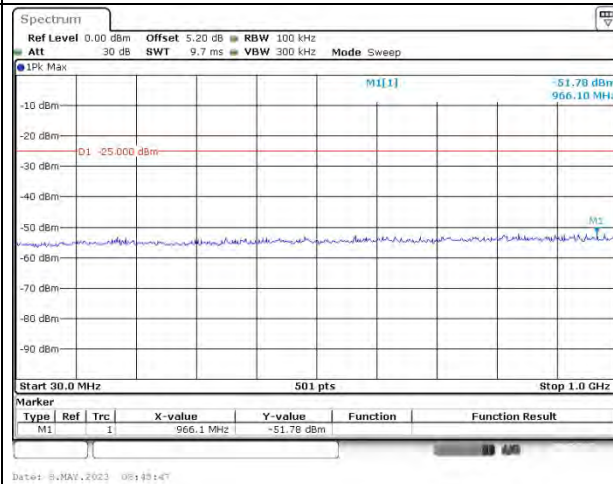


Spurious Emissions at Antenna Terminal

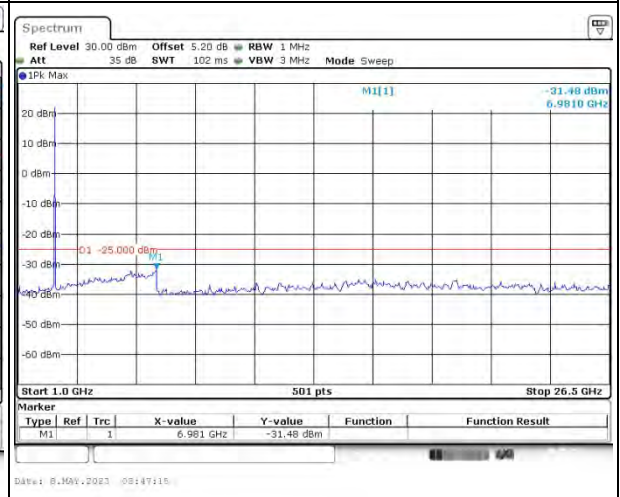
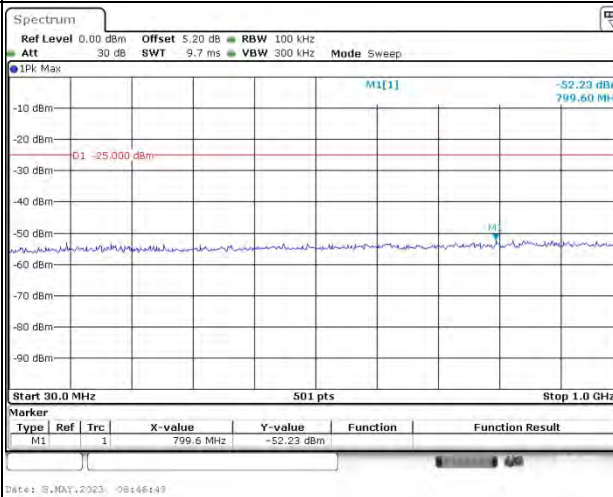
Channel

5MHz Bandwidth QPSK

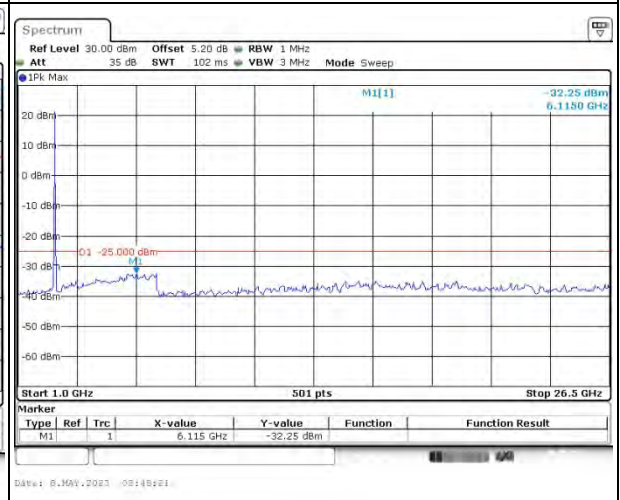
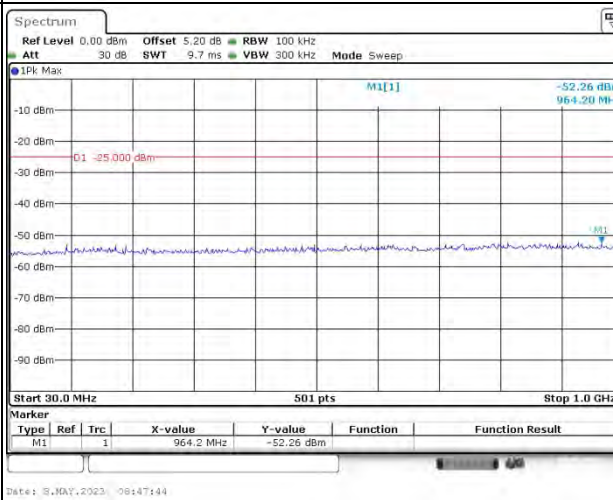
Lowest



Middle



Highest

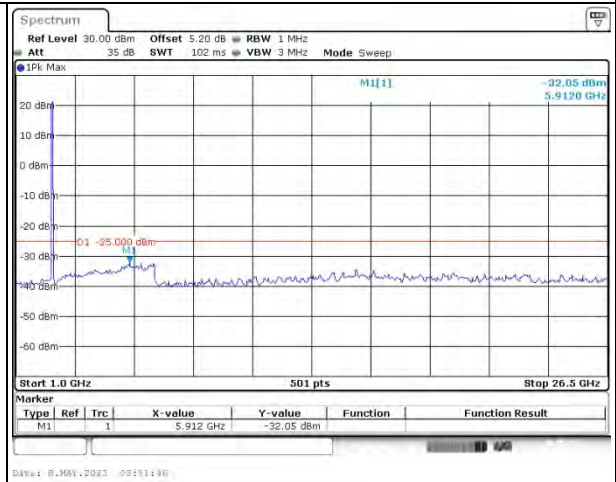
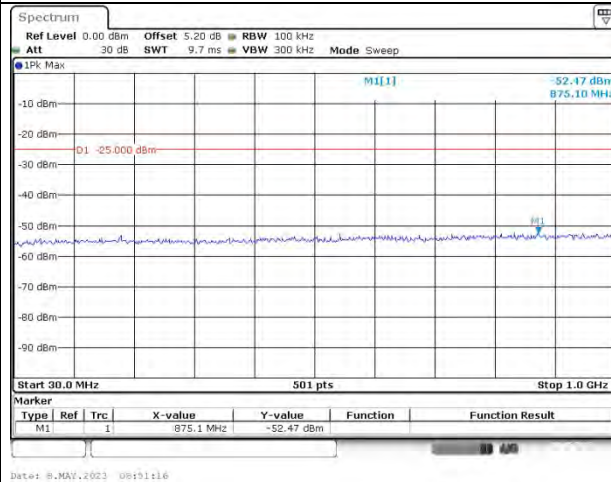


Spurious Emissions at Antenna Terminal

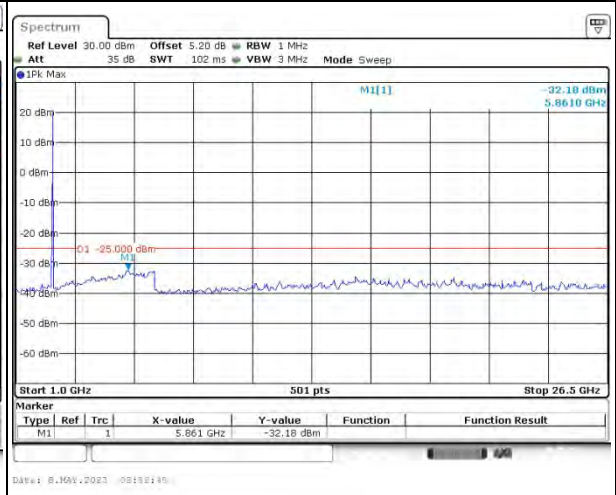
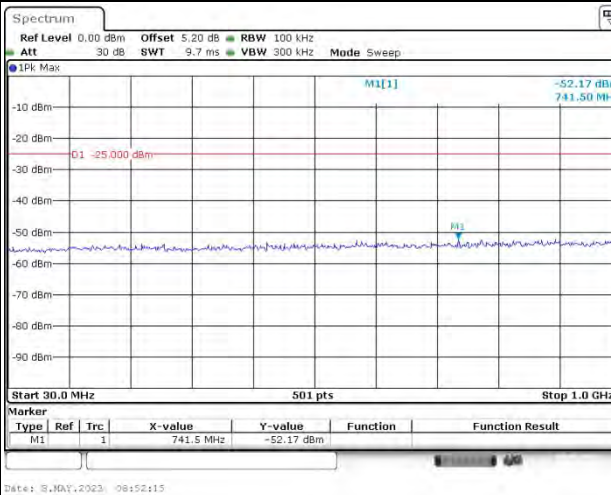
Channel

10MHz Bandwidth QPSK

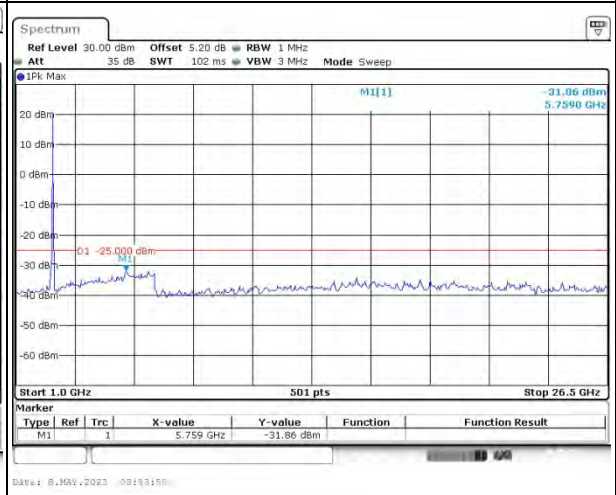
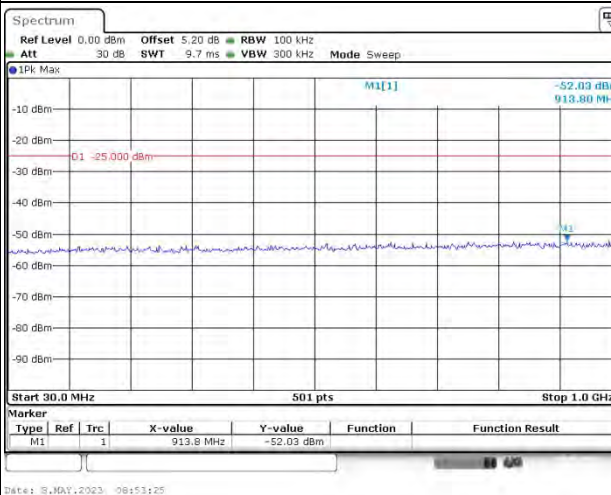
Lowest



Middle



Highest

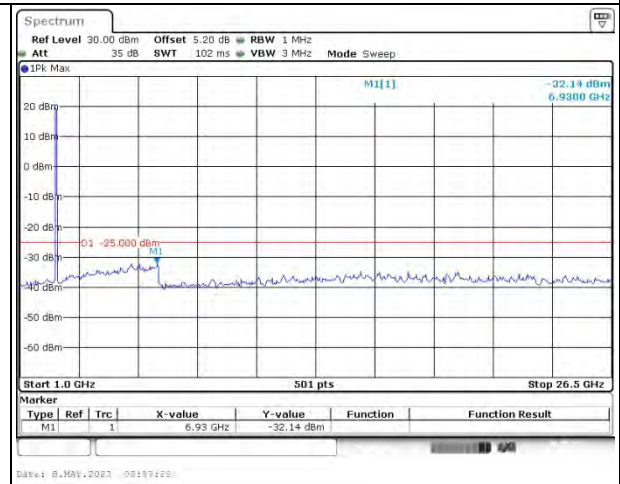
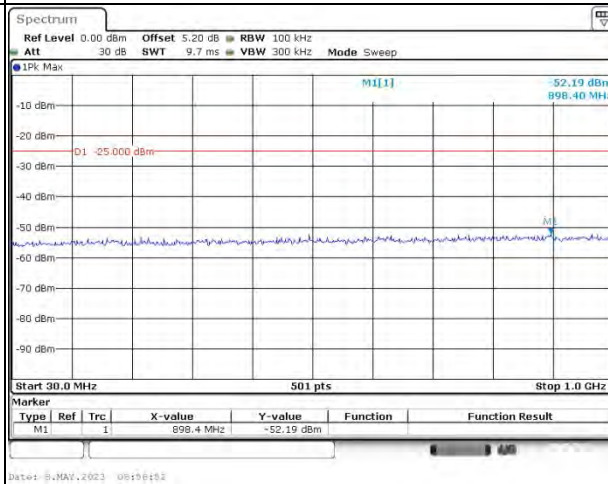


Spurious Emissions at Antenna Terminal

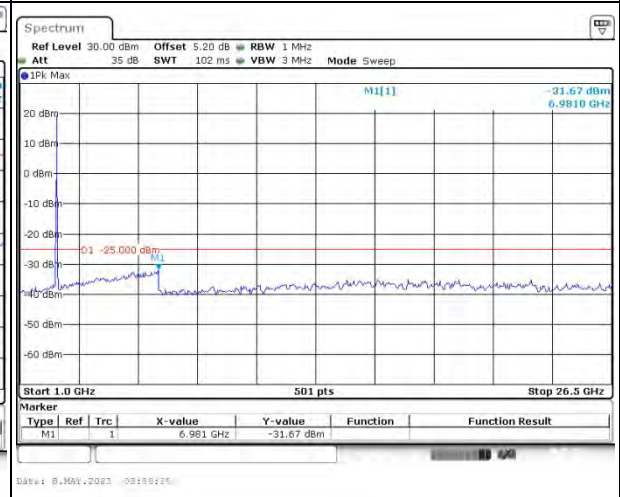
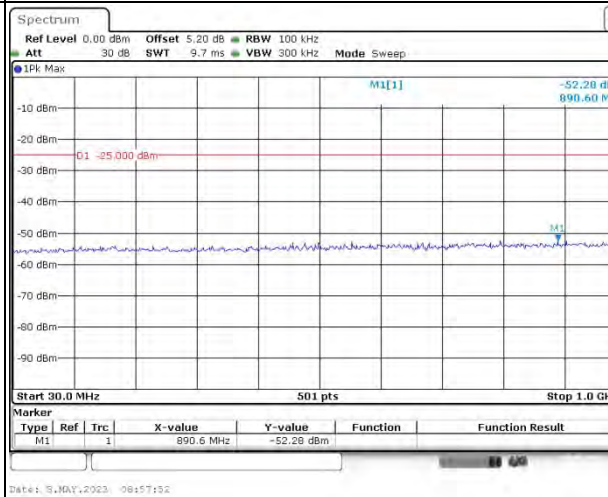
Channel

15MHz Bandwidth QPSK

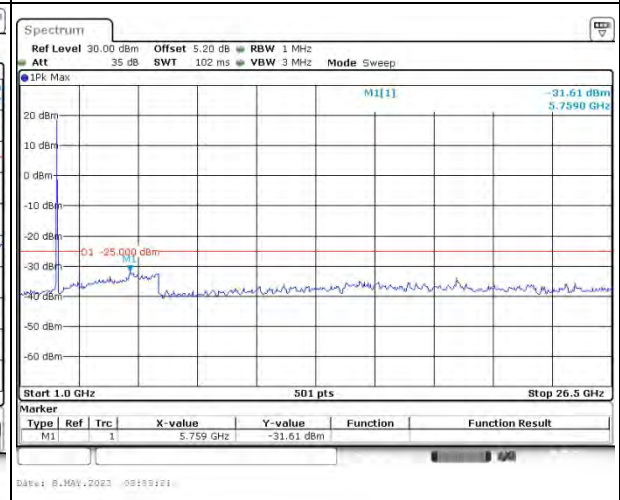
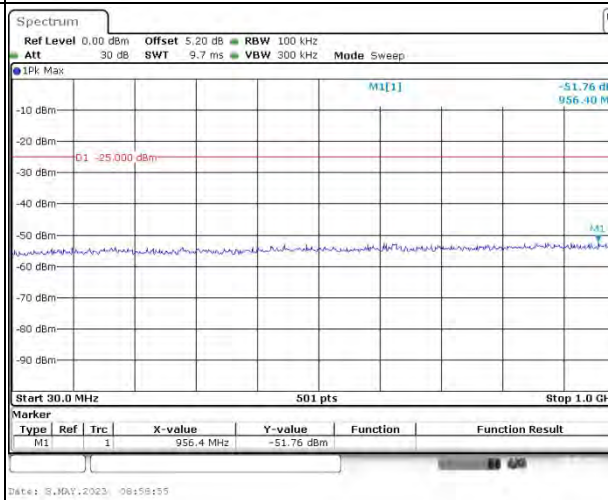
Lowest



Middle



Highest

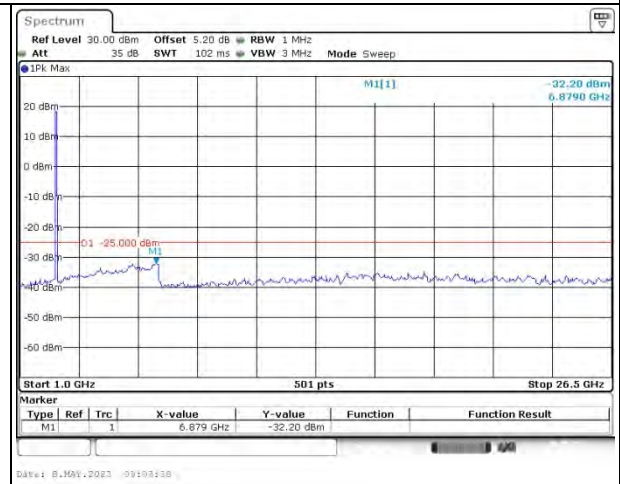
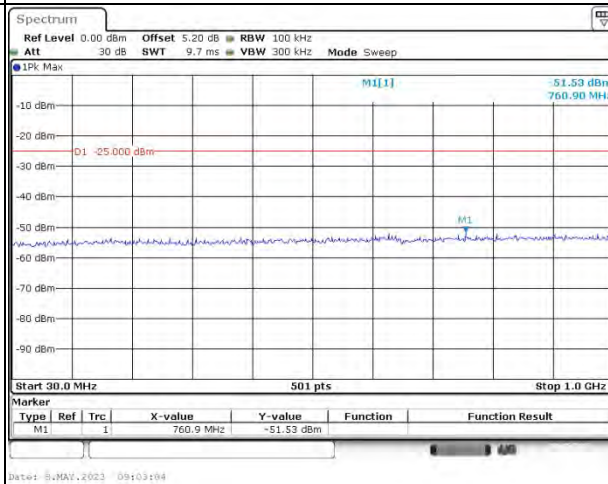


Spurious Emissions at Antenna Terminal

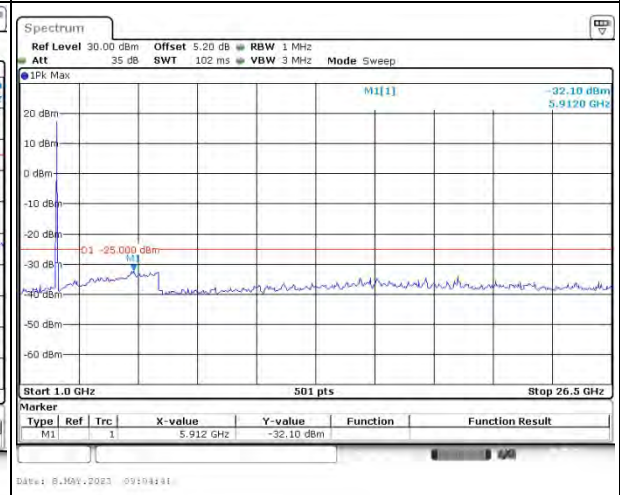
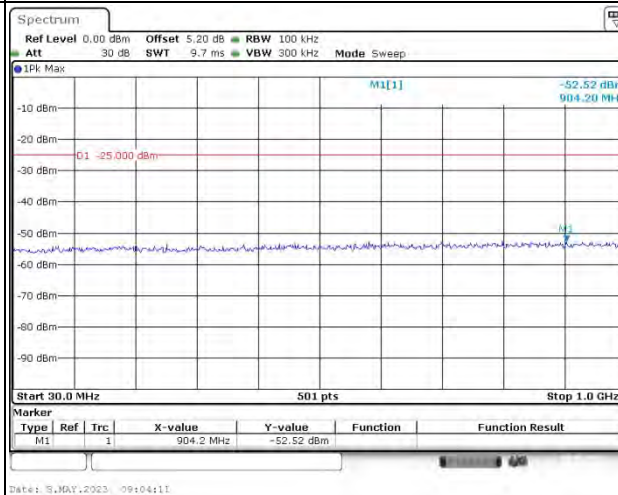
Channel

20MHz Bandwidth QPSK

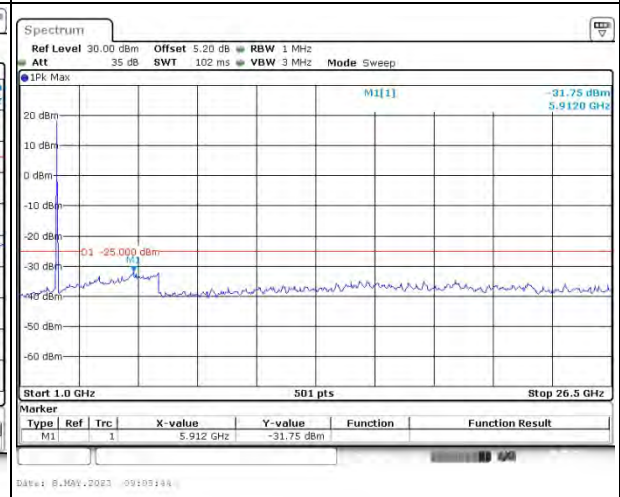
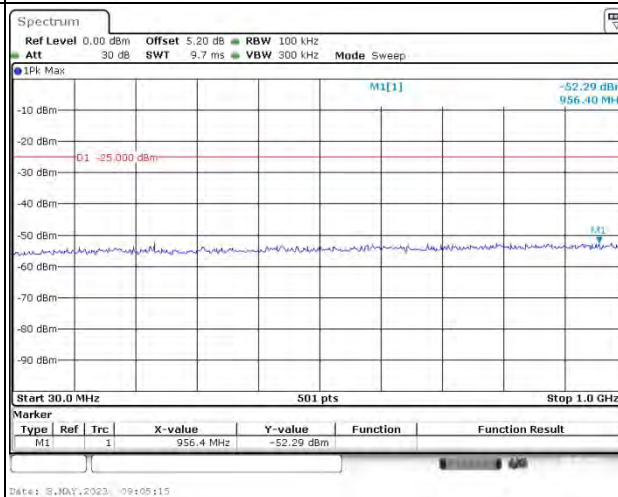
Lowest



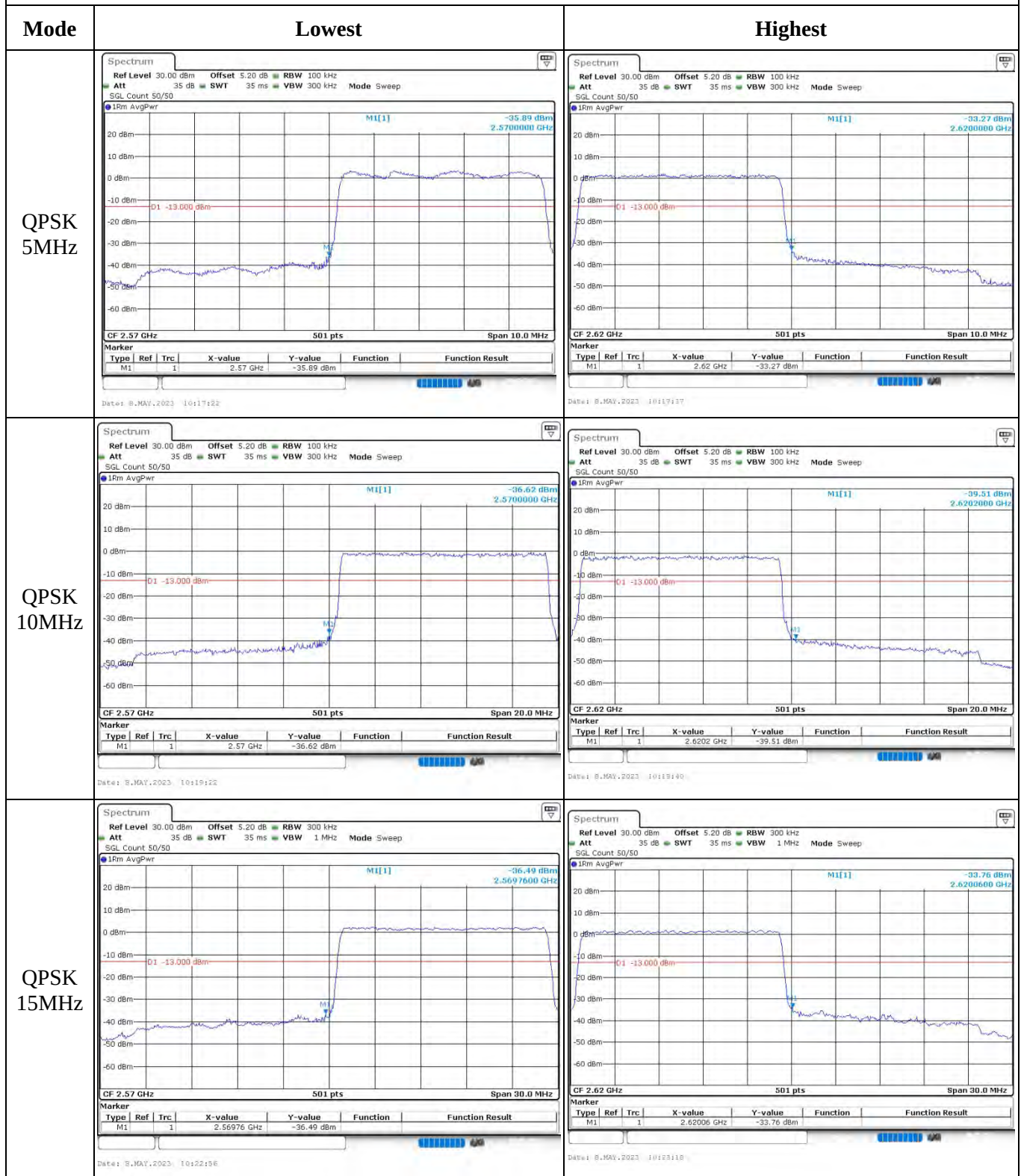
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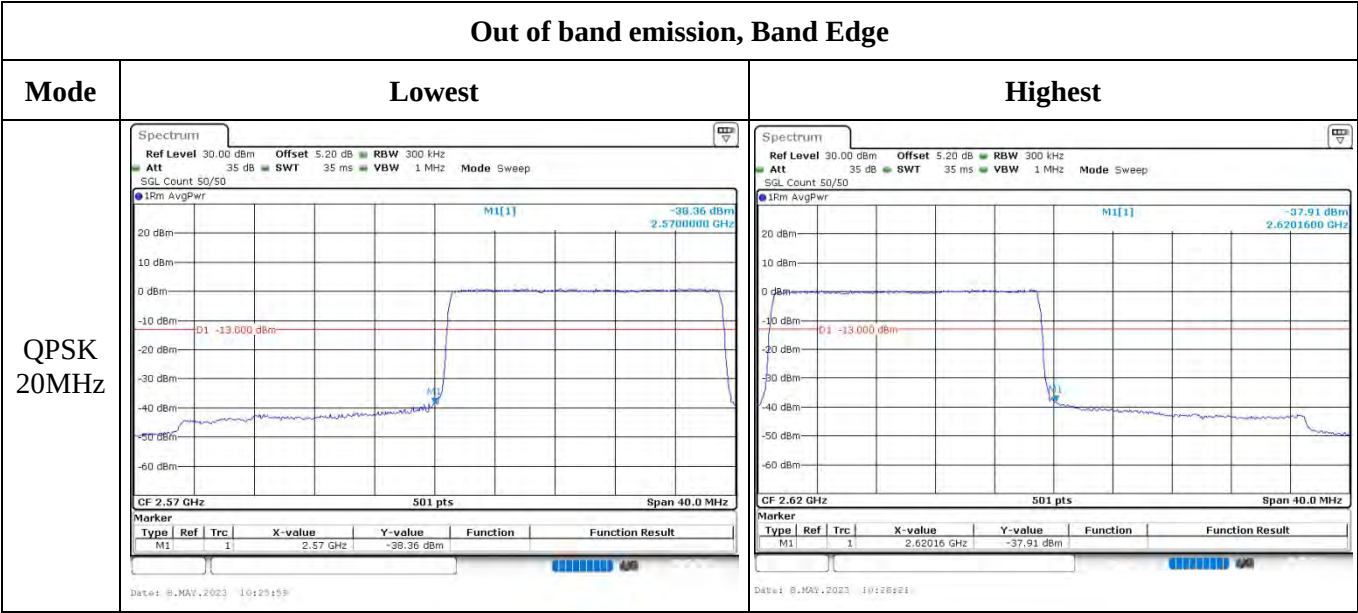
Highest



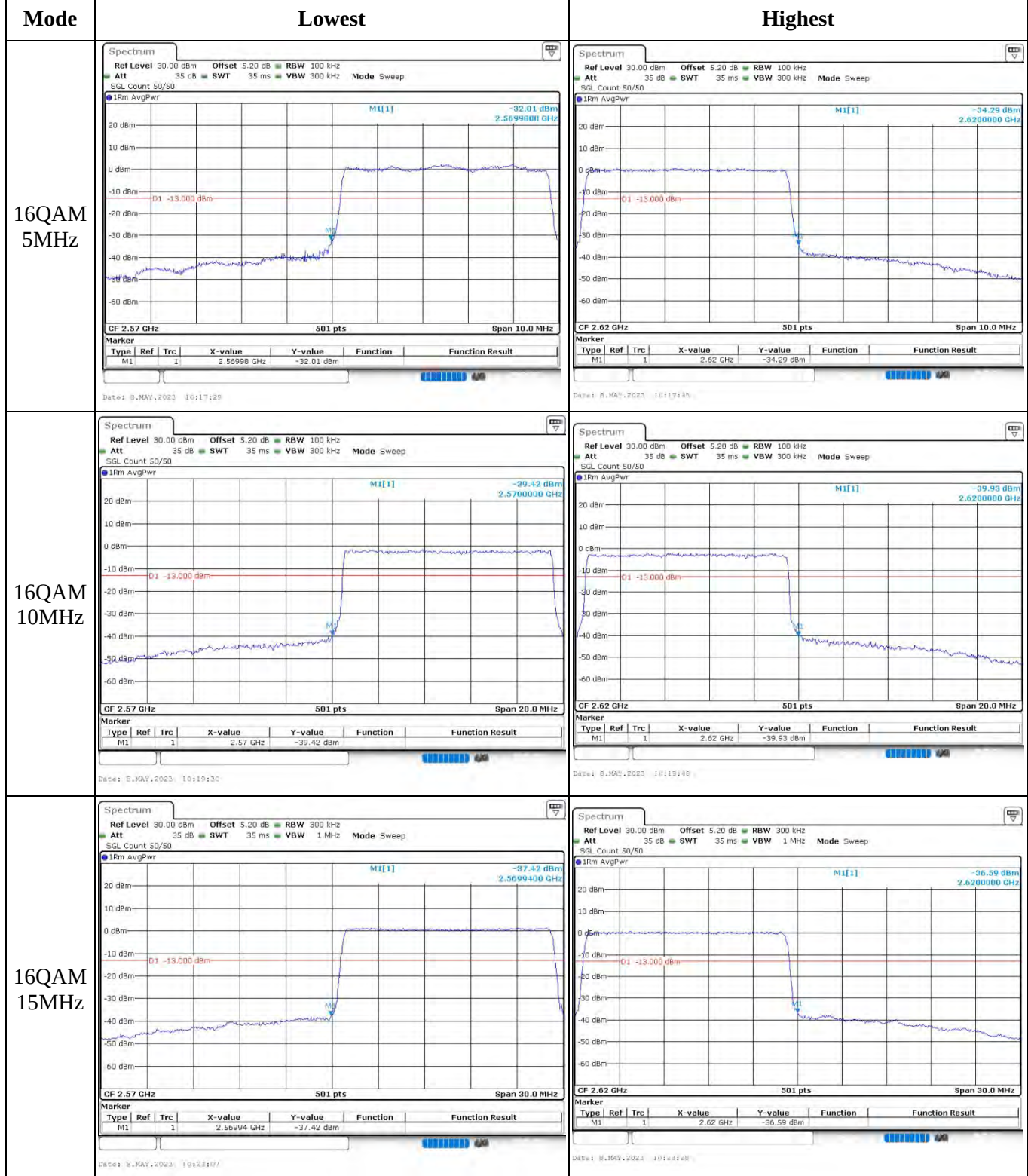
Out of band emission, Band Edge



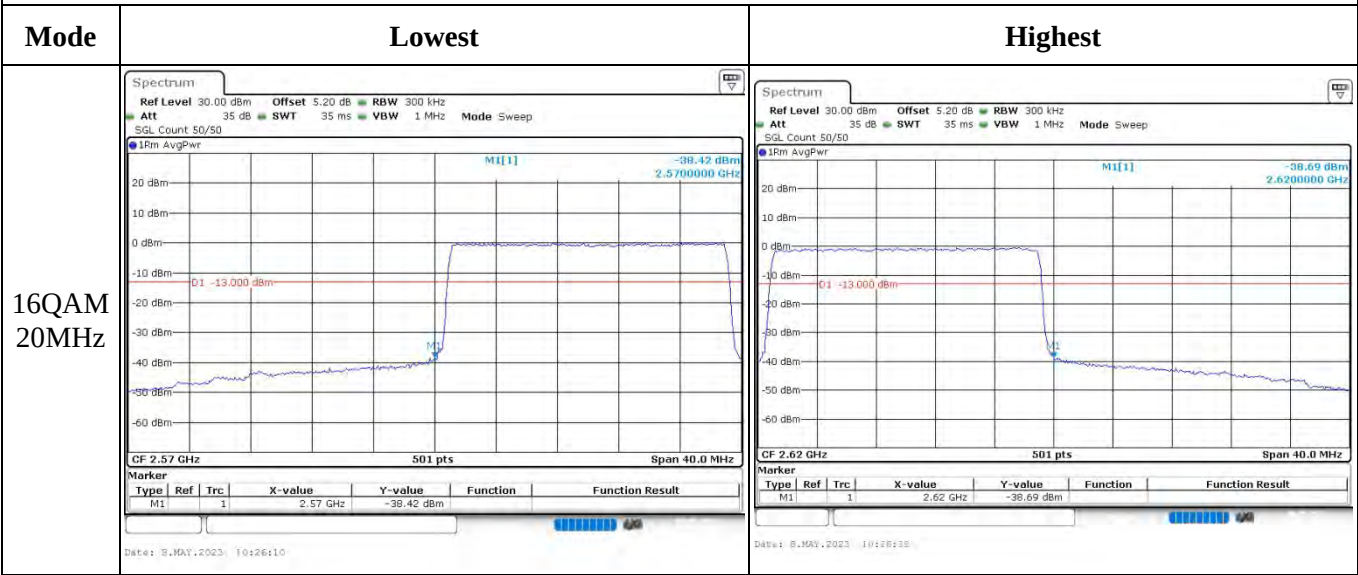
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.15 Antenna Port Test Data and Results for LTE Band 41

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	2537.5	2595	2652.5
10MHz	2540	2595	2650
15MHz	2542.5	2595	2647.5
20MHz	2545	2595	2645

Test Data:**FCC§2.1046;§ 27.50(h)(2)****RF Output Power:**

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
5MHz QPSK	RB1#0	22.69	22.1	21.63	25.37	33
	RB1#13	22.79	22.21	21.77		
	RB1#24	22.59	22.1	21.61		
	RB15#0	21.7	21.12	20.74		
	RB15#10	21.69	21.14	20.67		
	RB25#0	21.67	21.17	20.7		
5MHz 16QAM	RB1#0	21.73	21.31	20.64	24.38	33
	RB1#13	21.8	21.45	20.8		
	RB1#24	21.62	21.33	20.64		
	RB15#0	20.72	20.17	19.68		
	RB15#10	20.68	20.2	19.6		
	RB25#0	20.68	20.15	19.73		
10MHz QPSK	RB1#0	22.78	22.19	21.73	25.47	33
	RB1#25	22.89	22.47	21.96		
	RB1#49	22.55	22.23	21.68		
	RB25#0	21.63	21.21	20.79		
	RB25#25	21.6	21.25	20.68		
	RB50#0	21.62	21.25	20.78		
10MHz 16QAM	RB1#0	21.63	21.29	20.94	24.37	33
	RB1#25	21.79	21.55	21.17		
	RB1#49	21.44	21.29	20.89		
	RB25#0	20.65	20.21	19.8		
	RB25#25	20.6	20.28	19.7		
	RB50#0	20.6	20.22	19.76		
15MHz QPSK	RB1#0	22.67	22.11	21.71	25.25	33
	RB1#38	22.62	22.23	21.77		
	RB1#74	22.39	22.13	21.59		
	RB36#0	21.65	21.2	20.87		
	RB36#39	21.57	21.26	20.76		
	RB75#0	21.63	21.24	20.79		
15MHz 16QAM	RB1#0	21.58	21.3	20.88	24.16	33
	RB1#38	21.52	21.43	20.96		
	RB1#74	21.32	21.29	20.8		
	RB36#0	20.58	20.21	19.83		
	RB36#39	20.52	20.29	19.66		
	RB75#0	20.58	20.22	19.73		
20MHz QPSK	RB1#0	22.43	22.03	21.64	25.33	33
	RB1#50	22.75	22.49	22		
	RB1#99	22.14	22.05	21.46		

20MHz 16QAM	RB50#0	21.55	21.14	20.88	24.34	33
	RB50#50	21.43	21.24	20.66		
	RB100#0	21.54	21.21	20.8		
	RB1#0	21.48	21.21	20.7		
	RB1#50	21.76	21.7	21.07		
	RB1#99	21.17	21.22	20.54		
20MHz 16QAM	RB50#0	20.61	20.18	19.9	24.34	33
	RB50#50	20.5	20.23	19.67		
	RB100#0	20.56	20.19	19.77		

Note: EIRP=Conducted Power(dBm) - Lc(dB) + G_T(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	7.65	8.58	8.38	13
	RB100#0	8.26	9.28	9.33	13
20MHz 16QAM	RB1#0	9.25	10	10	13
	RB100#0	9.8	10.14	10.17	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	4.511	4.511	4.491	5.1	5.14	4.96
5MHz 16QAM	4.491	4.511	4.511	5.04	4.94	5.14
10MHz QPSK	8.942	8.942	8.982	9.64	9.64	9.8
10MHz 16QAM	8.942	8.942	8.942	9.56	10.08	9.6
15MHz QPSK	13.473	13.473	13.533	15.42	15.66	18.6
15MHz 16QAM	13.593	13.593	13.533	16.26	16.92	16.2
20MHz QPSK	17.964	17.964	18.044	19.52	20.24	20
20MHz 16QAM	17.964	17.964	17.884	20.56	19.76	19.52

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

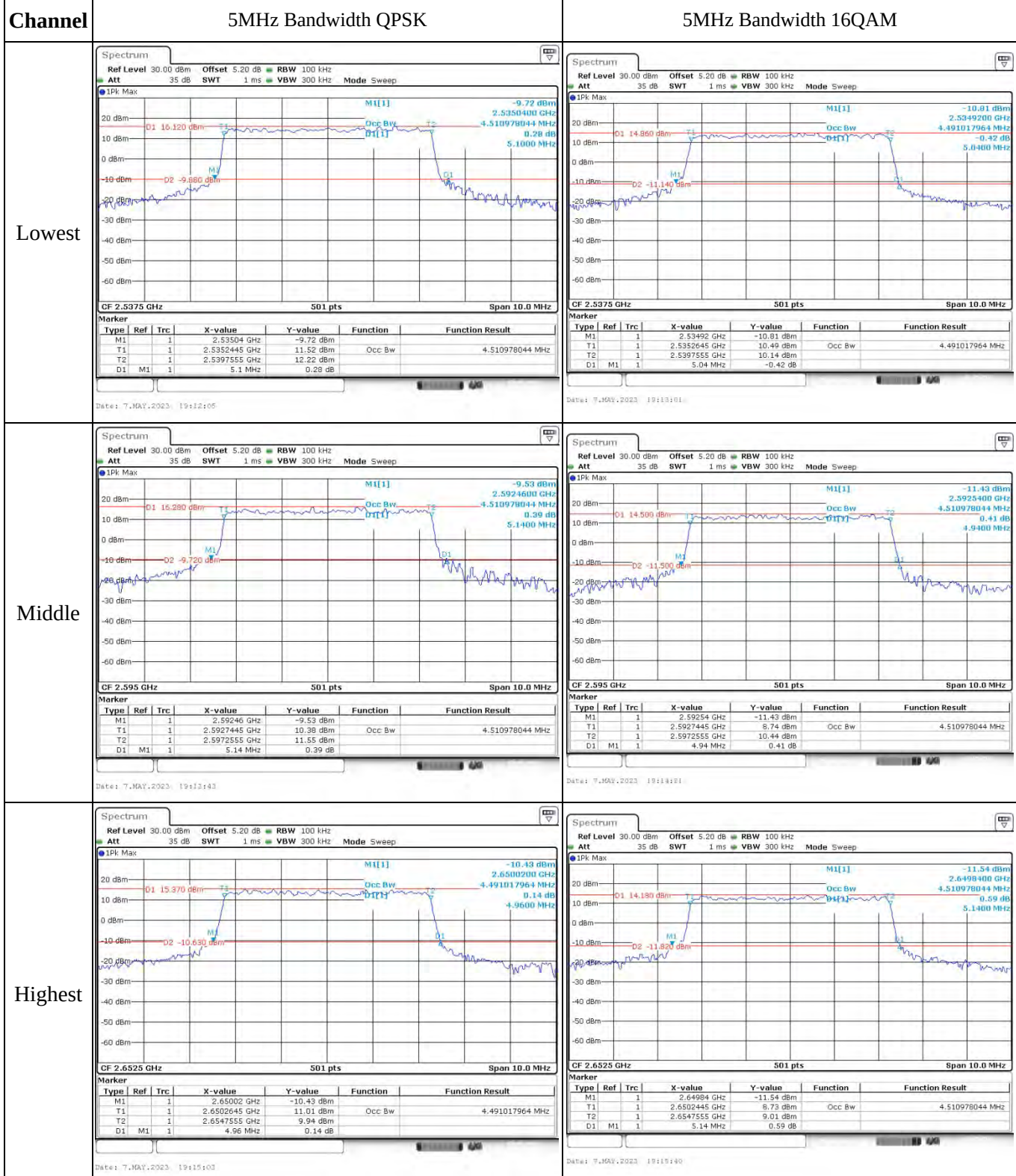
Test Mode:	20M QPSK	Test Channel: Lowest for Lower Edge,Highest for Upper Edge
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Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2536.008	2535.00	2654.008	2655
	-20	3.85	2536.031	2535.00	2654.066	2655
	-10	3.85	2536.066	2535.00	2654.047	2655
	0	3.85	2536.071	2535.00	2654.023	2655
	10	3.85	2536.023	2535.00	2654.090	2655
	20	3.85	2536.058	2535.00	2654.022	2655
	30	3.85	2536.078	2535.00	2654.081	2655
	40	3.85	2536.027	2535.00	2654.067	2655
	50	3.85	2536.083	2535.00	2654.030	2655
Frequency Stability vs. Voltage	20	3.5	2536.083	2535.00	2654.007	2655
	20	4.4	2536.047	2535.00	2654.089	2655
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	2536.059	2535.00	2653.909	2655
	-20	3.85	2536.083	2535.00	2653.990	2655
	-10	3.85	2536.091	2535.00	2653.925	2655
	0	3.85	2536.031	2535.00	2653.907	2655
	10	3.85	2536.010	2535.00	2653.933	2655
	20	3.85	2536.058	2535.00	2653.942	2655
	30	3.85	2536.029	2535.00	2653.922	2655
	40	3.85	2536.028	2535.00	2653.986	2655
	50	3.85	2536.046	2535.00	2653.906	2655
Frequency Stability vs. Voltage	20	3.5	2536.091	2535.00	2653.984	2655
	20	4.4	2536.017	2535.00	2653.926	2655
					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



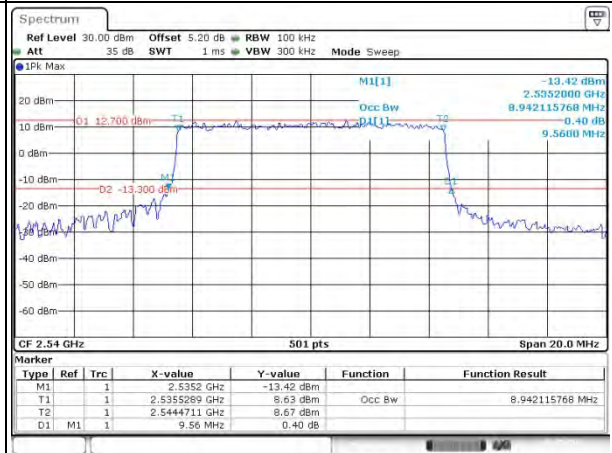
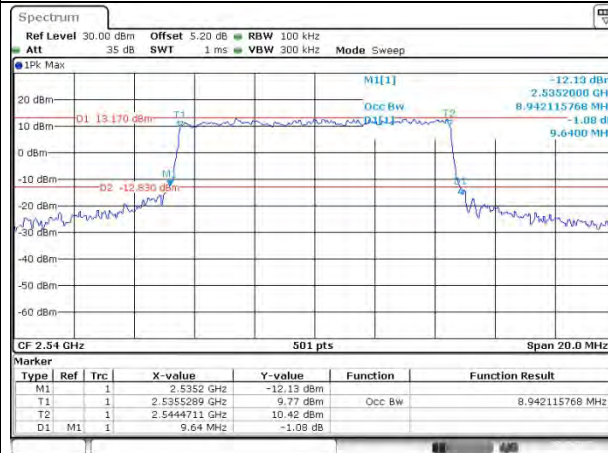
Occupied Bandwidth

Channel

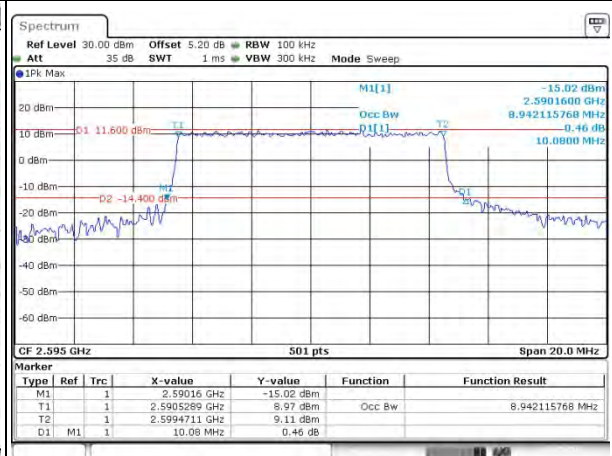
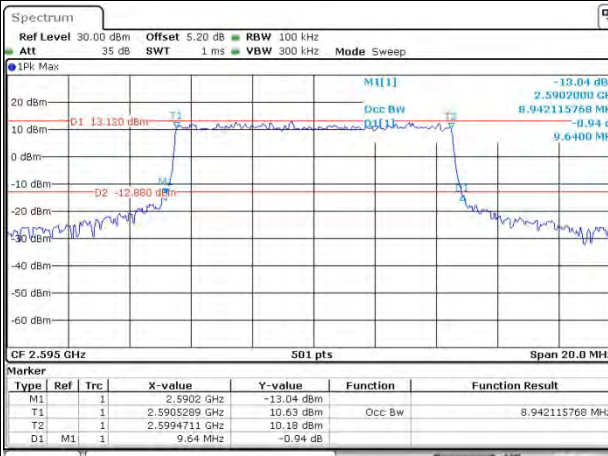
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

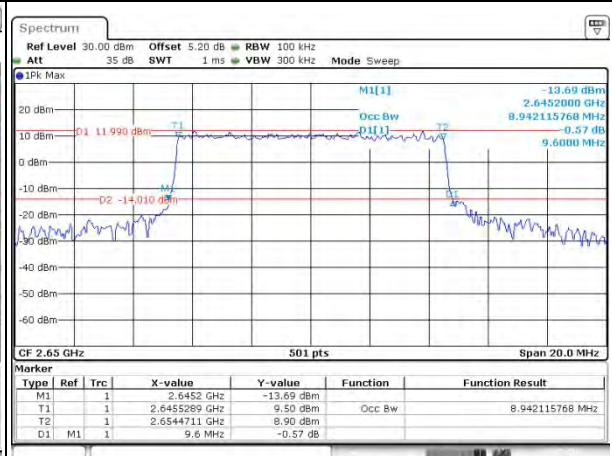
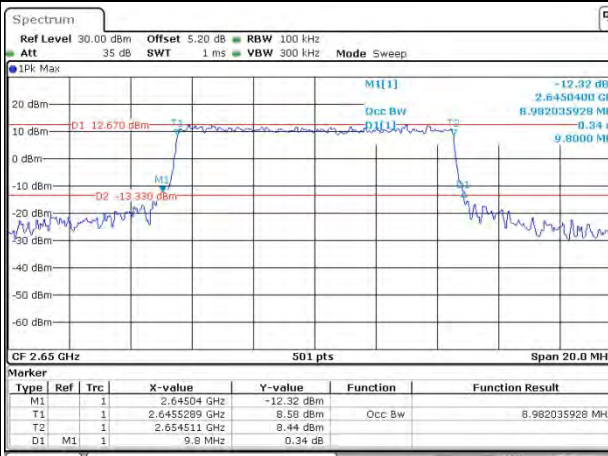
Lowest



Middle



Highest



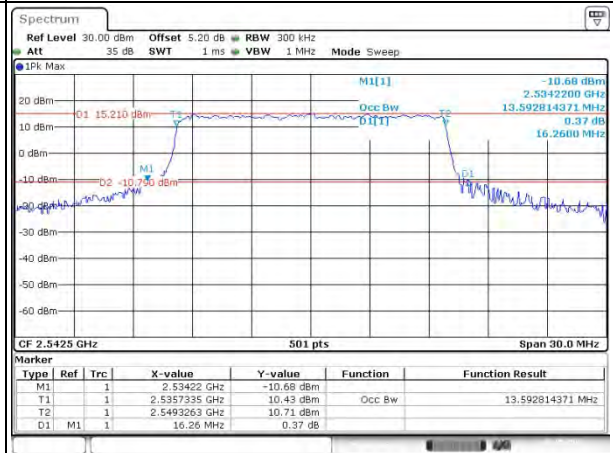
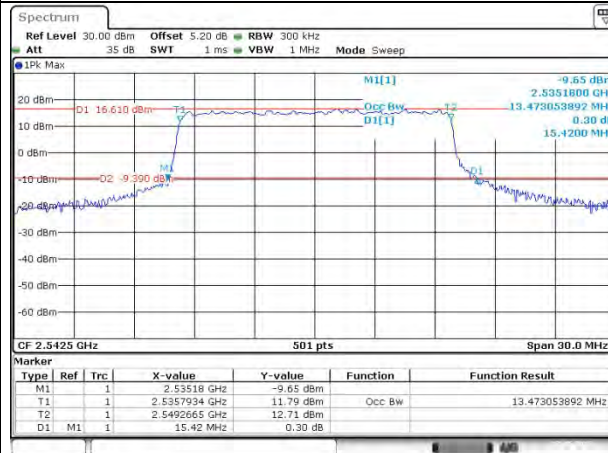
Occupied Bandwidth

Channel

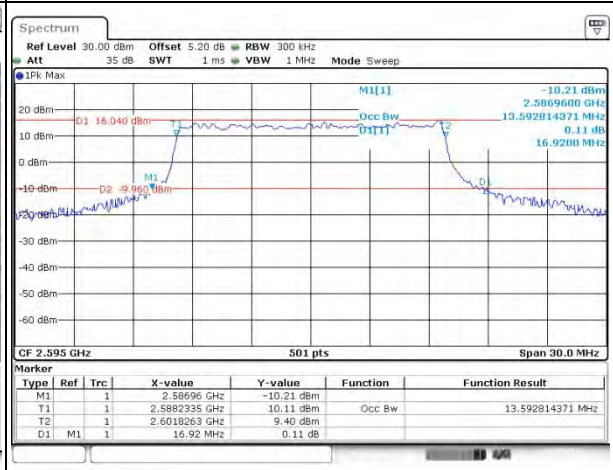
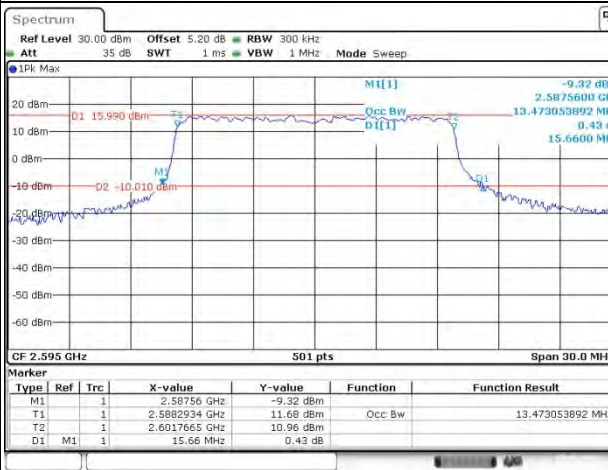
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

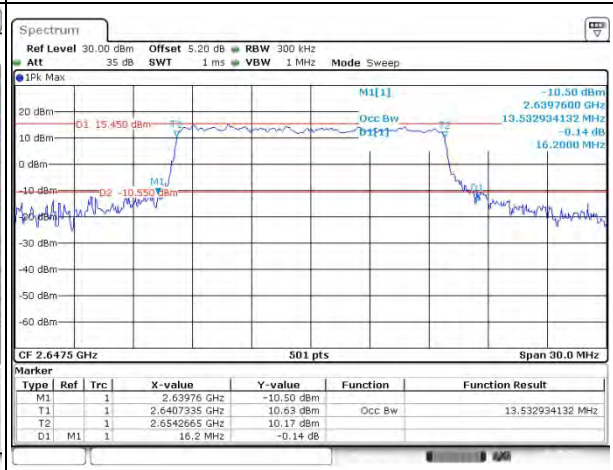
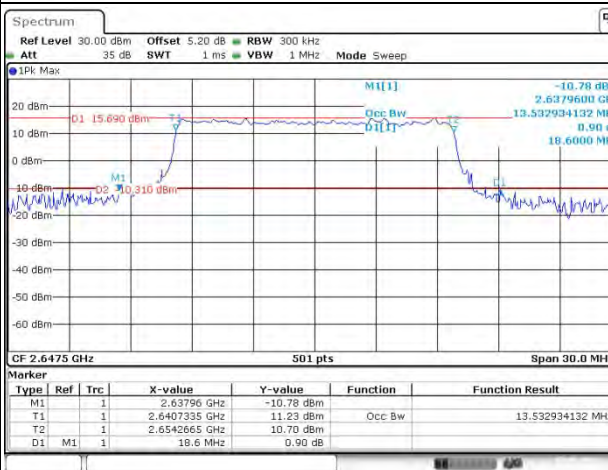
Lowest



Middle



Highest



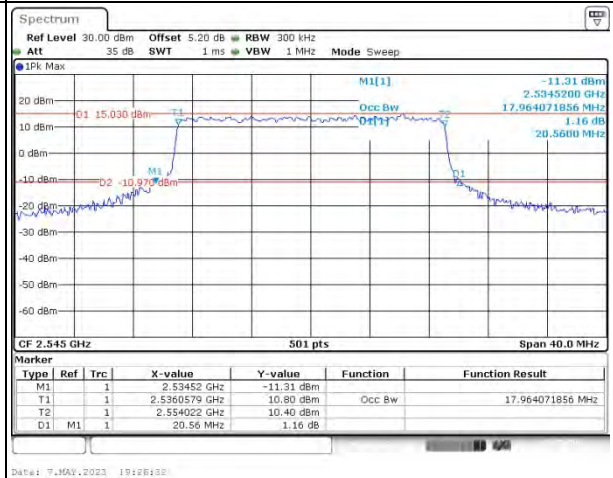
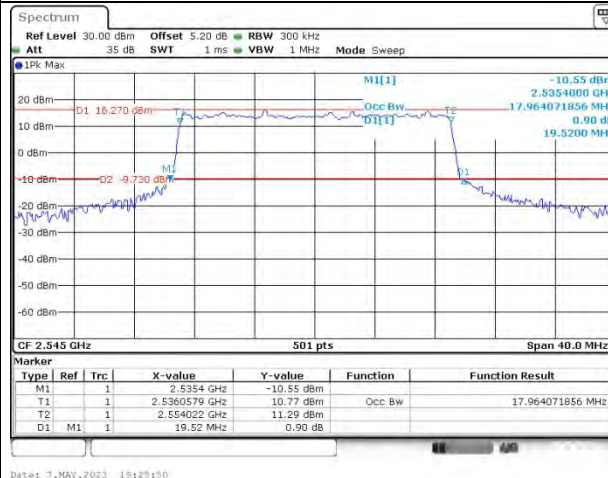
Occupied Bandwidth

Channel

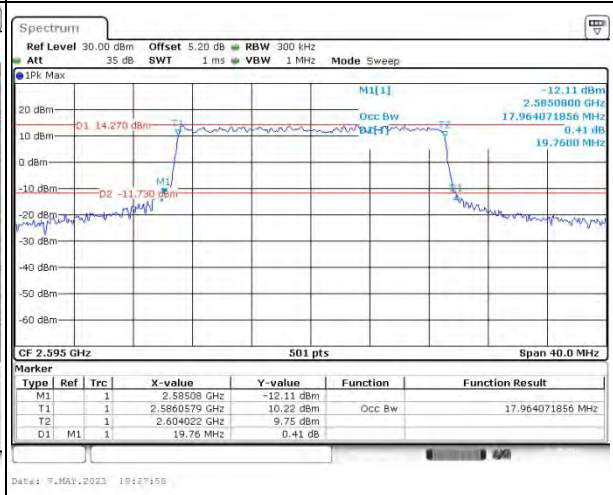
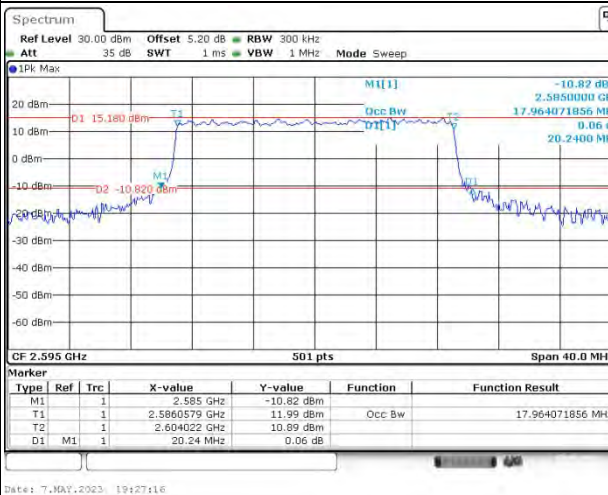
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

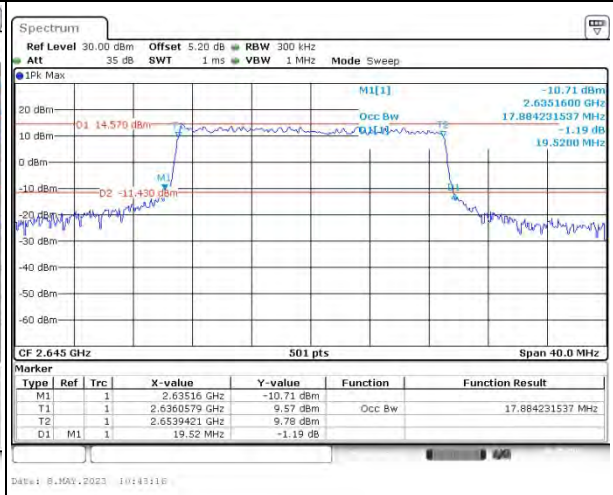
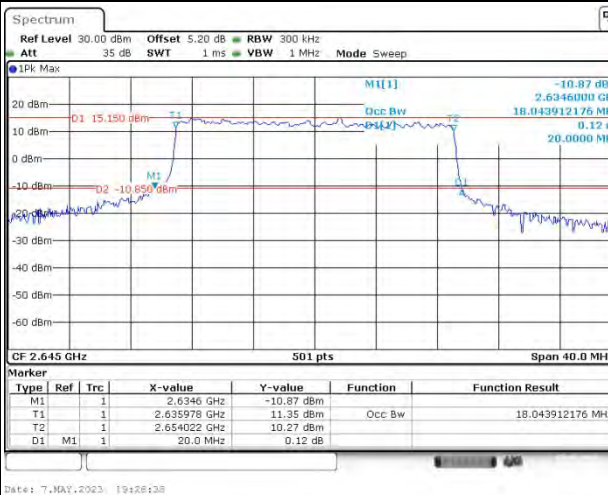
Lowest



Middle



Highest

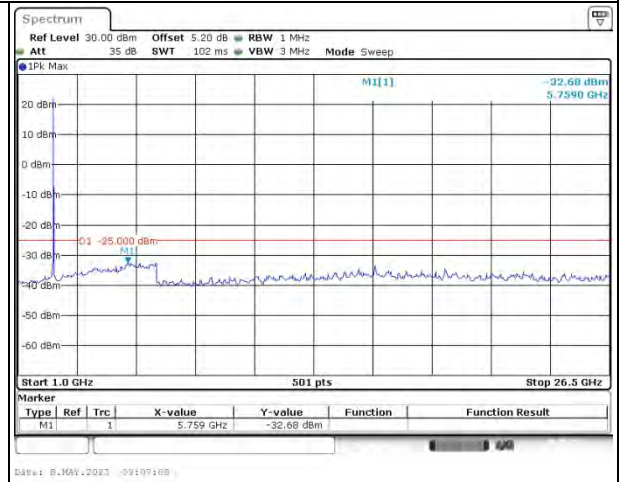
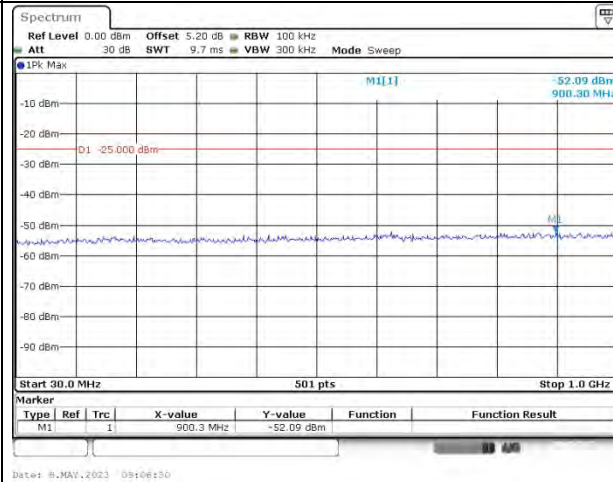


Spurious Emissions at Antenna Terminal

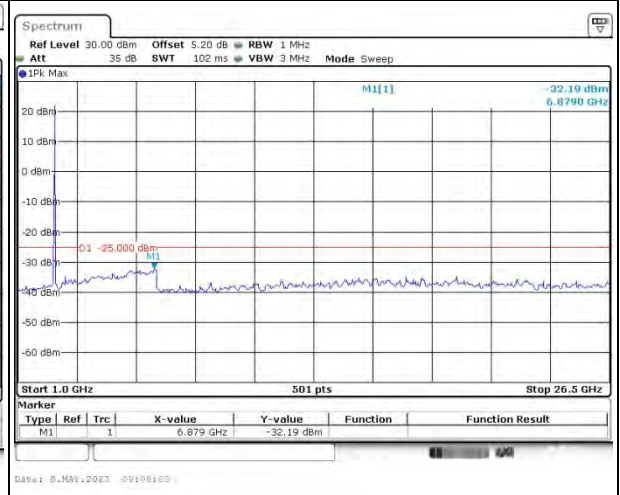
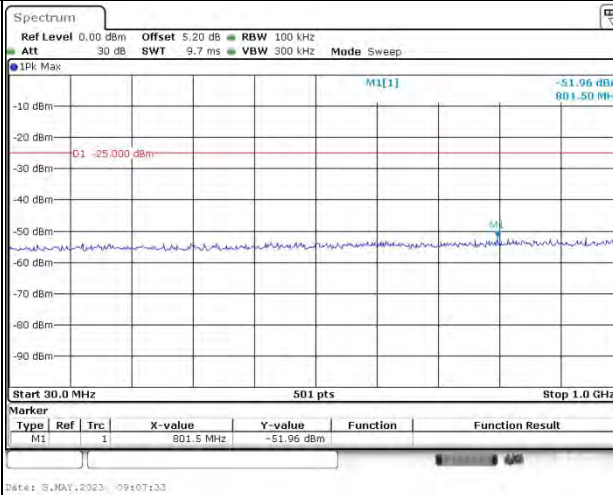
Channel

5MHz Bandwidth QPSK

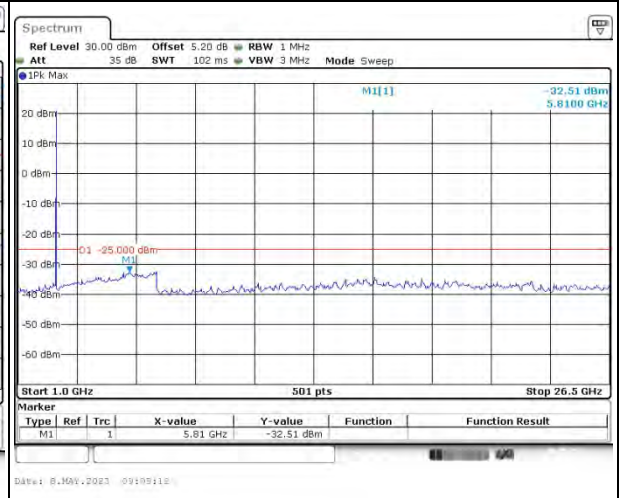
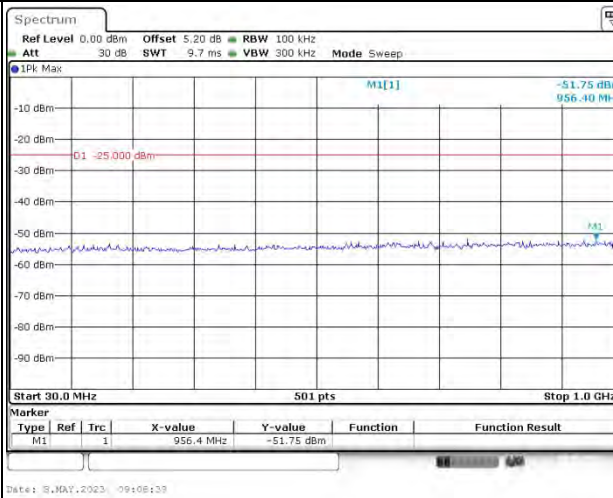
Lowest



Middle



Highest

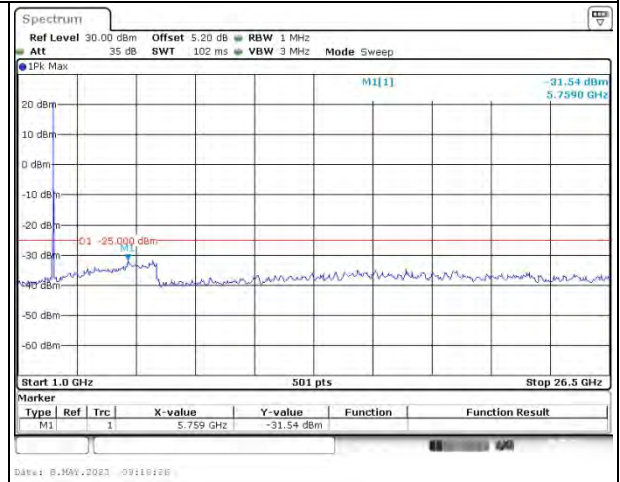
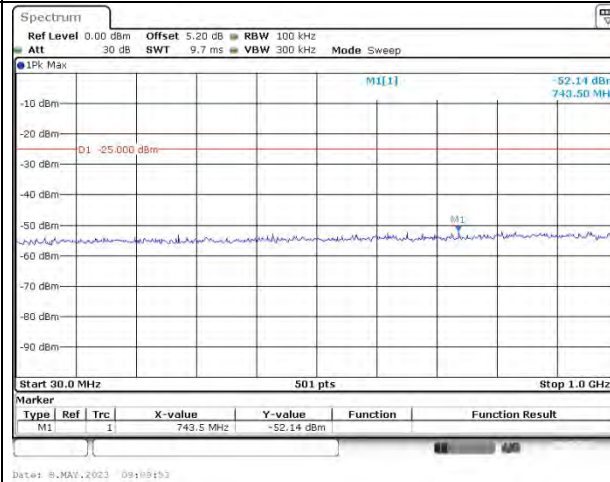


Spurious Emissions at Antenna Terminal

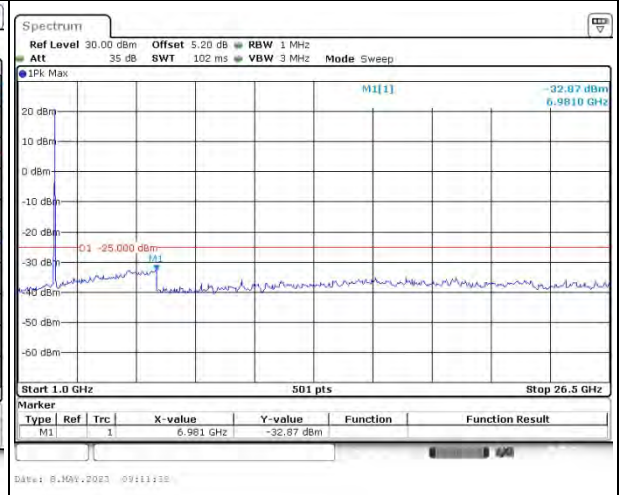
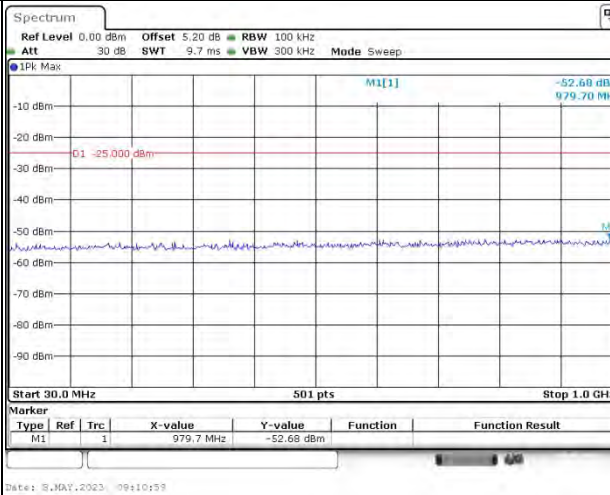
Channel

10MHz Bandwidth QPSK

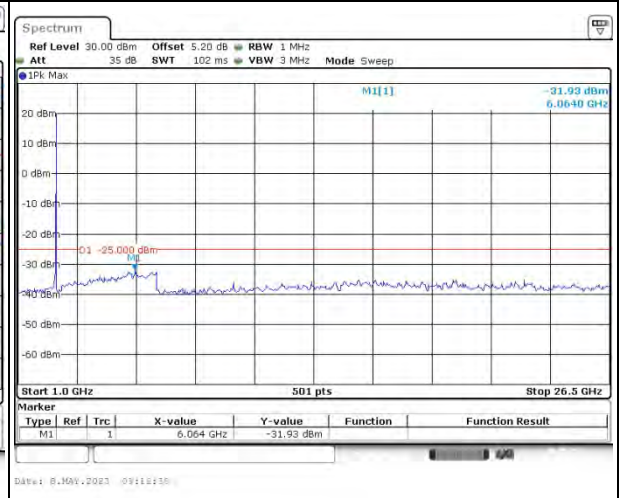
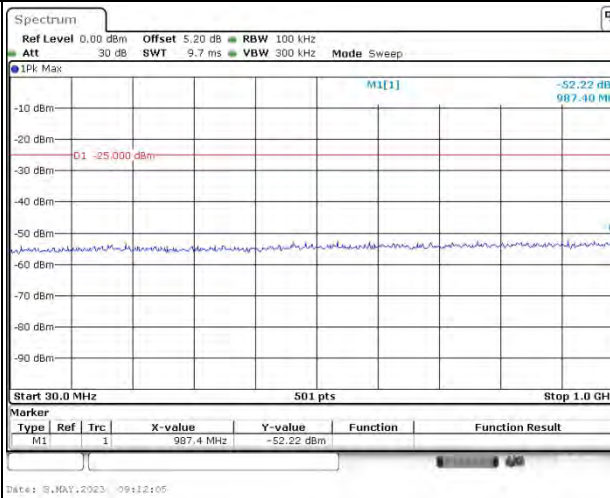
Lowest



Middle



Highest

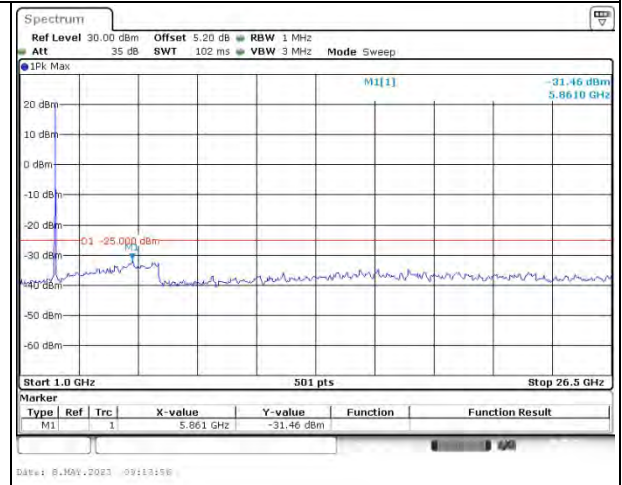
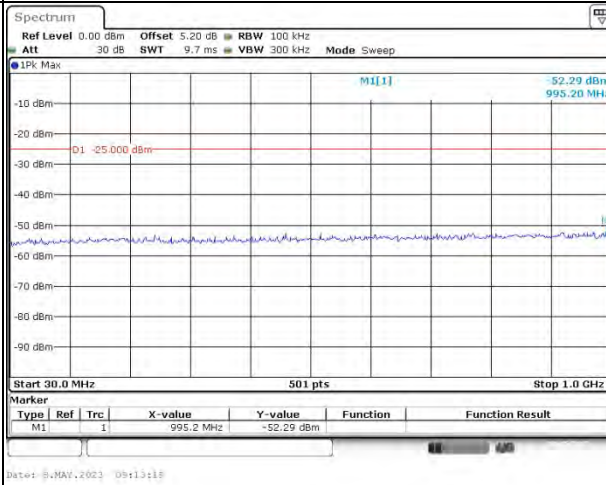


Spurious Emissions at Antenna Terminal

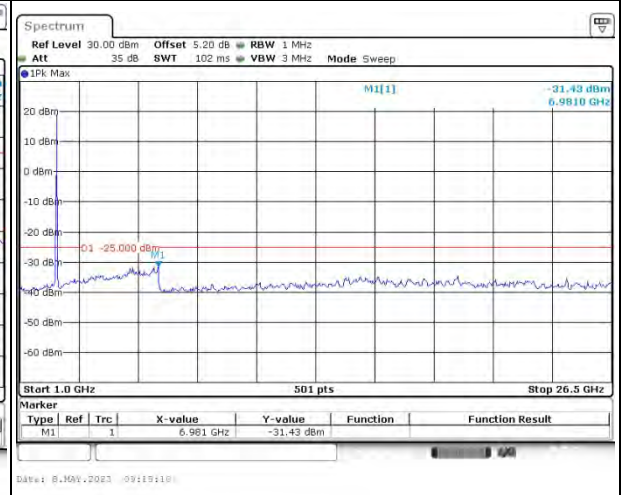
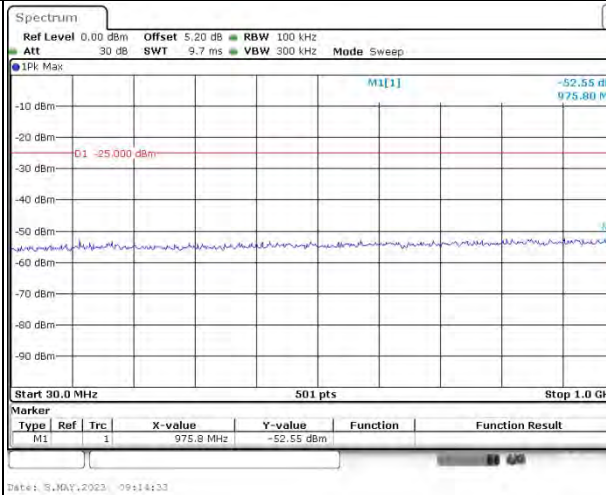
Channel

15MHz Bandwidth QPSK

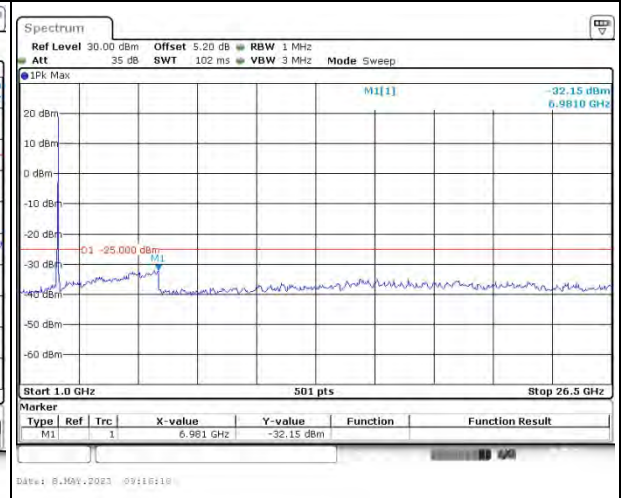
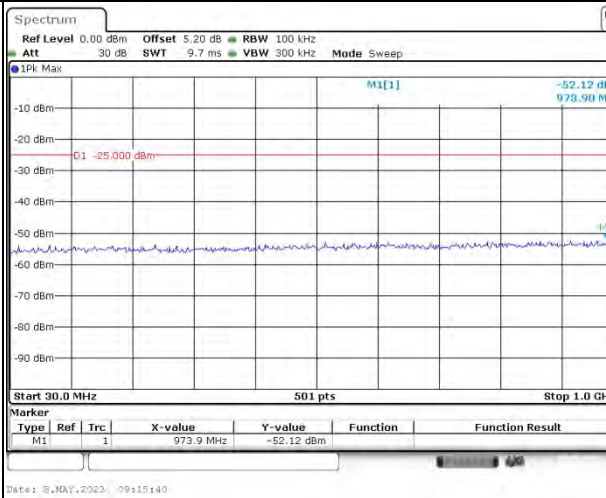
Lowest



Middle



Highest

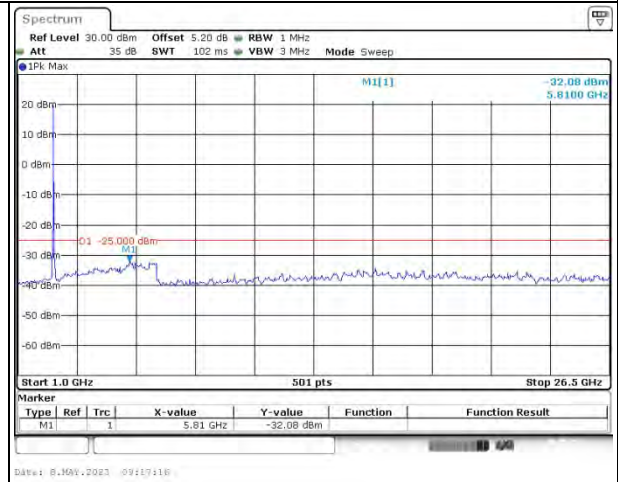
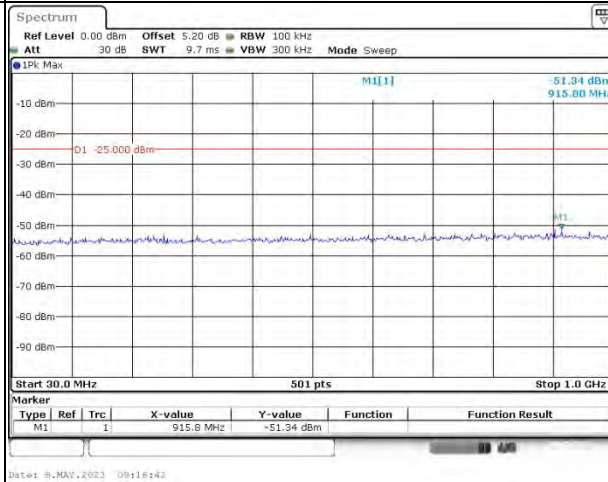


Spurious Emissions at Antenna Terminal

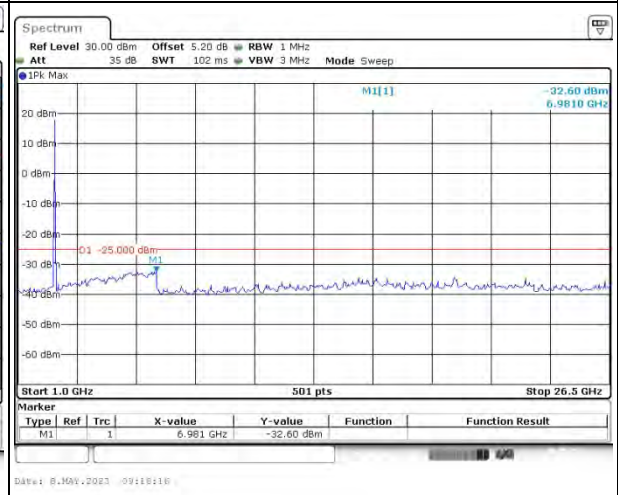
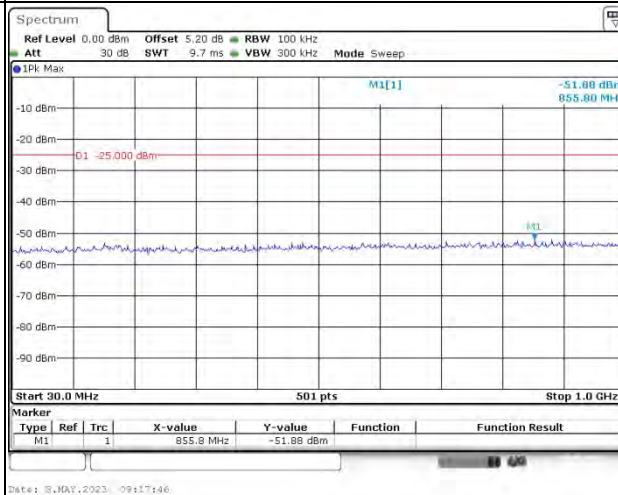
Channel

20MHz Bandwidth QPSK

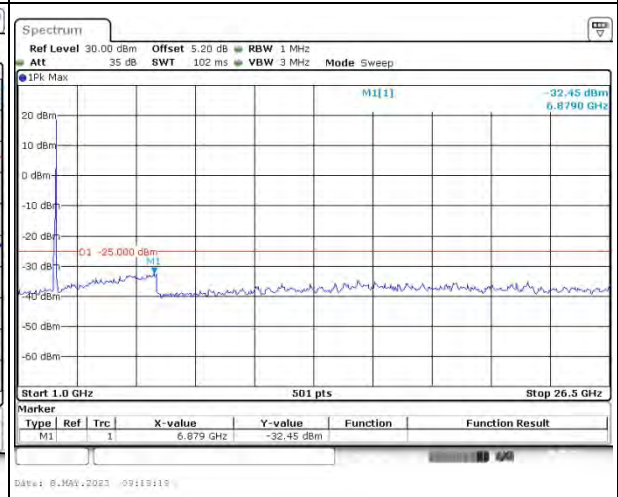
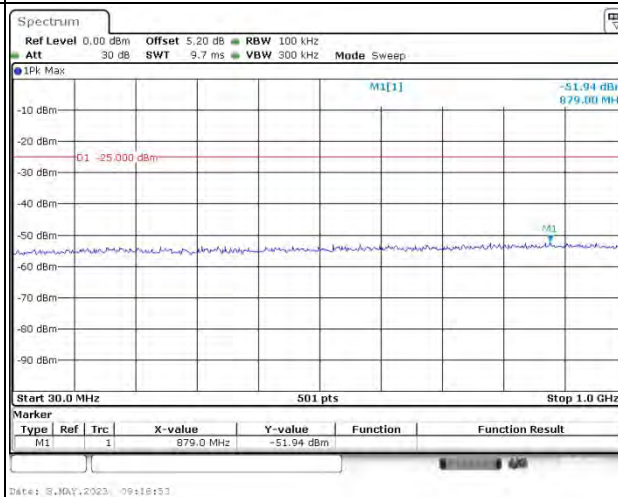
Lowest



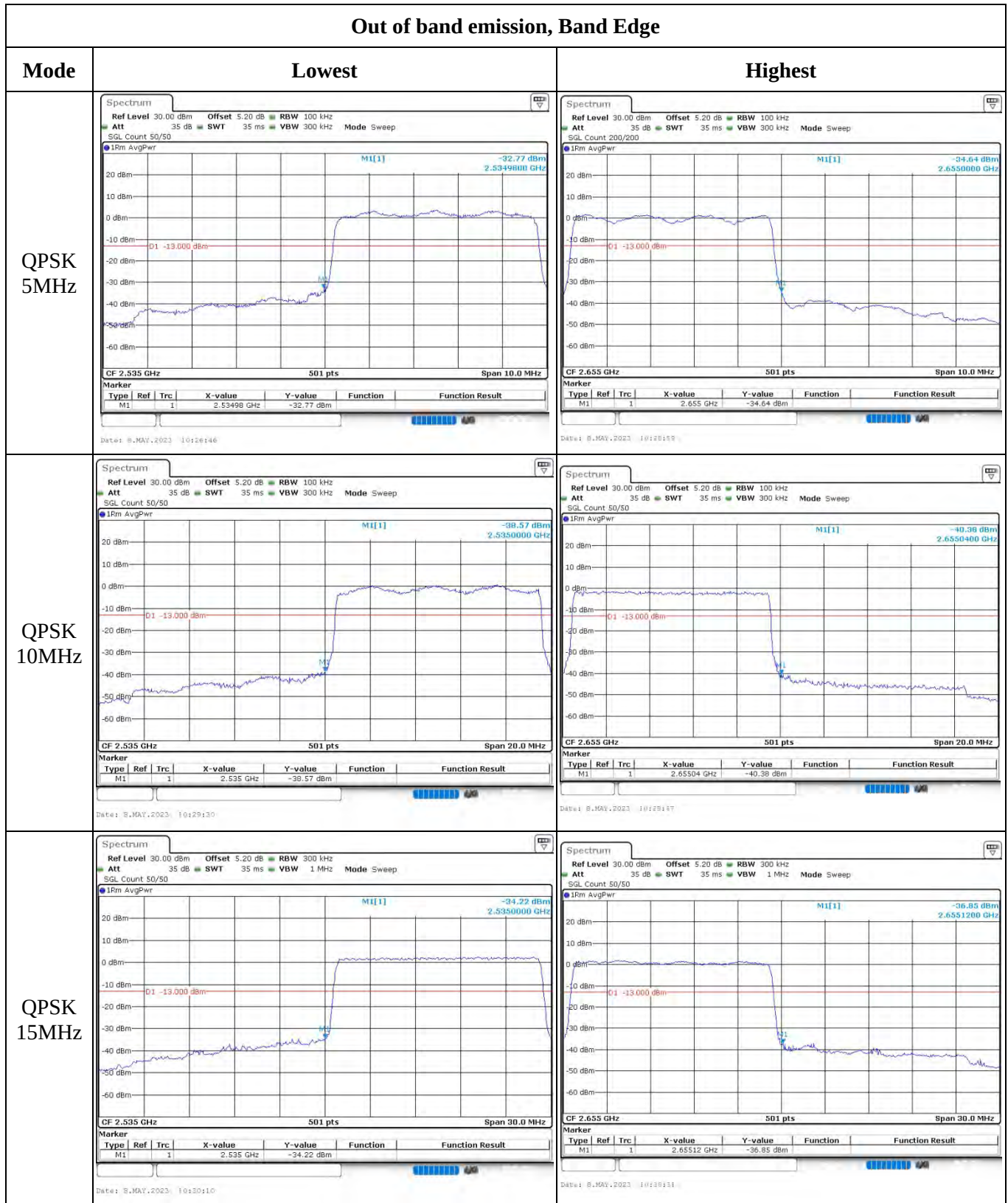
Middle



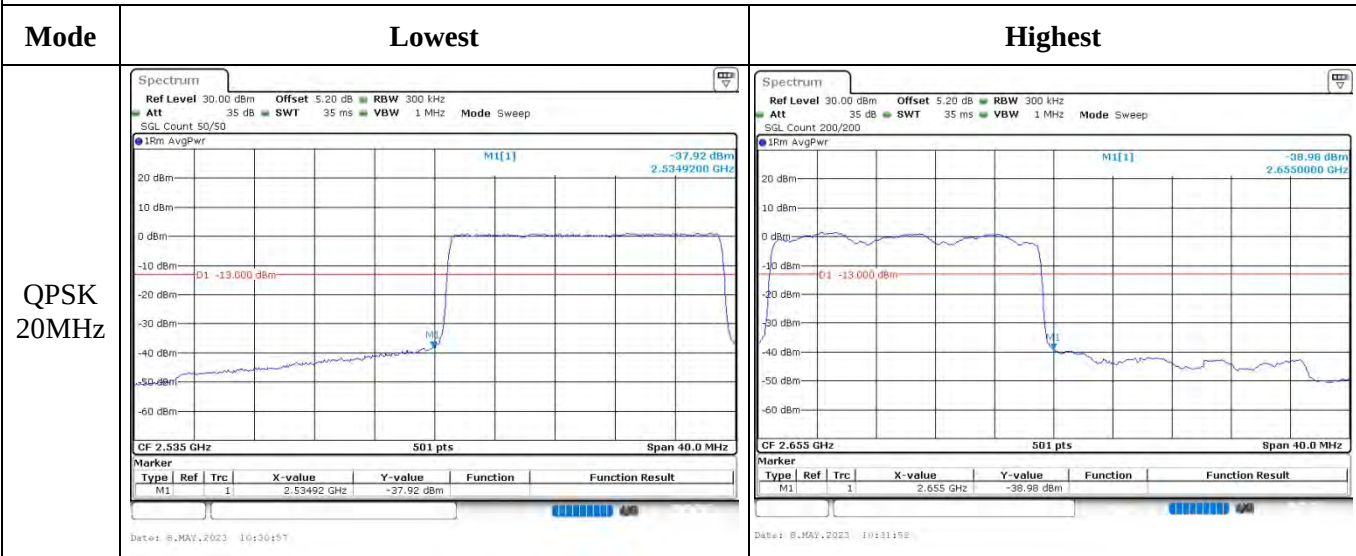
Highest



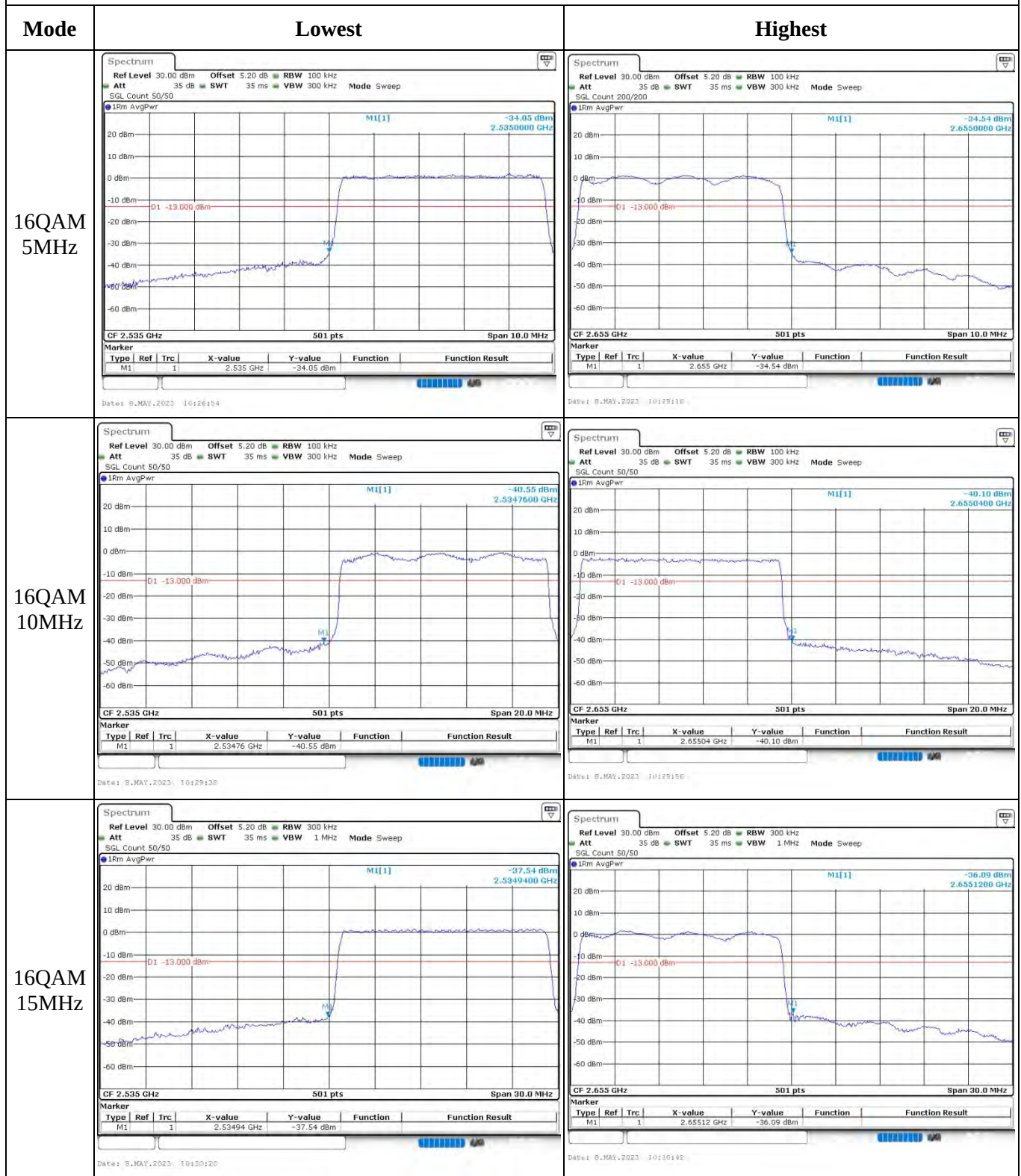
Out of band emission, Band Edge



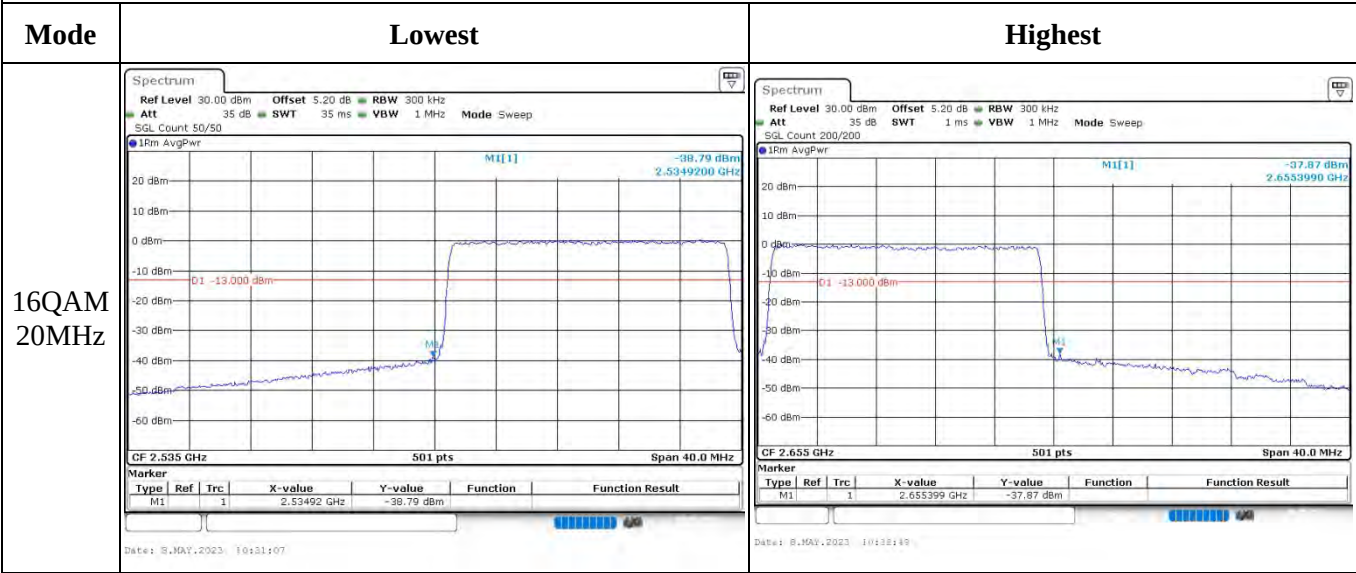
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.16 Antenna Port Test Data and Results for LTE Band 66

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	1710.7	1745	1779.3
3MHz	1711.5	1745	1778.5
5MHz	1712.5	1745	1777.5
10MHz	1715	1745	1775
15MHz	1717.5	1745	1772.5
20MHz	1720	1745	1770

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

Test Bandwidth & Modulation	Resource Block & RB offset	Conducted Average Output Power(dBm)			Maximum EIRP (dBm)	EIRP Limit (dBm)
		Lowest Channel	Middle Channel	Highest Channel		
1.4MHz QPSK	RB1#0	22.35	22.2	21.96	22.36	30
	RB1#3	22.54	22.38	22.15		
	RB1#5	22.38	22.2	21.96		
	RB3#0	22.49	22.34	22.09		
	RB3#3	22.51	22.31	21.94		
	RB6#0	21.42	21.21	20.8		
1.4MHz 16QAM	RB1#0	21.5	21.2	20.91	21.5	30
	RB1#3	21.68	21.35	21.16		
	RB1#5	21.53	21.25	20.93		
	RB3#0	21.44	21.39	21.18		
	RB3#3	21.47	21.36	21.19		
	RB6#0	20.48	20.22	20.03		
3MHz QPSK	RB1#0	22.49	22.3	22.05	22.31	30
	RB1#8	22.41	22.27	21.97		
	RB1#14	22.41	22.28	22.04		
	RB6#0	21.42	21.17	21.05		
	RB6#9	21.32	21.19	20.98		
	RB15#0	21.39	21.26	21.03		
3MHz 16QAM	RB1#0	21.59	21.34	21.61	21.43	30
	RB1#8	21.57	21.26	21.5		
	RB1#14	21.57	21.27	21.55		
	RB6#0	20.47	20.19	20.12		
	RB6#9	20.41	20.16	20		
	RB15#0	20.4	20.36	20.07		
5MHz QPSK	RB1#0	22.44	22.25	21.97	22.26	30
	RB1#13	22.41	22.31	22.06		
	RB1#24	22.37	22.24	21.97		
	RB15#0	21.41	21.29	21.16		
	RB15#10	21.4	21.33	20.89		
	RB25#0	21.4	21.28	21		
5MHz 16QAM	RB1#0	21.69	21.36	20.86	21.52	30
	RB1#13	21.7	21.39	20.97		
	RB1#24	21.63	21.3	20.87		
	RB15#0	20.43	20.33	20.15		
	RB15#10	20.38	20.34	19.88		
	RB25#0	20.41	20.32	20.07		
10MHz QPSK	RB1#0	22.44	22.35	22.11	22.31	30
	RB1#25	22.49	22.47	22.23		
	RB1#49	22.42	22.3	22.11		

	RB25#0	21.46	21.27	21		
	RB25#25	21.43	21.36	20.87		
	RB50#0	21.47	21.33	20.97		
10MHz 16QAM	RB1#0	22.04	21.48	21.12	21.9	30
	RB1#25	22.08	21.6	21.19		
	RB1#49	22.02	21.45	21.09		
	RB25#0	20.58	20.3	20.08		
	RB25#25	20.48	20.41	19.98		
	RB50#0	20.51	20.34	20.02		
15MHz QPSK	RB1#0	22.36	22.22	22.07	22.27	30
	RB1#38	22.45	22.33	22.09		
	RB1#74	22.38	22.21	22.04		
	RB36#0	21.49	21.29	21.09		
	RB36#39	21.5	21.34	21.04		
	RB75#0	21.5	21.26	21.06		
15MHz 16QAM	RB1#0	21.5	21.66	21.63	21.52	30
	RB1#38	21.58	21.7	21.69		
	RB1#74	21.52	21.64	21.56		
	RB36#0	20.47	20.27	20.05		
	RB36#39	20.48	20.28	20.02		
	RB75#0	20.45	20.26	20.06		
20MHz QPSK	RB1#0	22.24	22.12	21.93	22.42	30
	RB1#50	22.6	22.53	22.23		
	RB1#99	22.3	22.09	21.88		
	RB50#0	21.47	21.15	21.05		
	RB50#50	21.35	21.19	21.07		
	RB100#0	21.41	21.17	21.07		
20MHz 16QAM	RB1#0	21.52	21.29	21.46	21.72	30
	RB1#50	21.9	21.72	21.82		
	RB1#99	21.56	21.3	21.42		
	RB50#0	20.51	20.2	20.09		
	RB50#50	20.38	20.22	20.08		
	RB100#0	20.46	20.19	20.12		

Note: EIRP=Conducted Power(dBm) - Lc(dB) + G_T(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	4.99	5.42	5.07	13
	RB100#0	4.26	4.14	4.23	13
20MHz 16QAM	RB1#0	5.91	6.55	5.77	13
	RB100#0	5.88	5.88	5.88	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	1.096	1.102	1.096	1.32	1.29	1.302
1.4MHz 16QAM	1.096	1.096	1.102	1.284	1.302	1.32
3MHz QPSK	2.695	2.695	2.683	2.88	2.868	2.892
3MHz 16QAM	2.683	2.683	2.671	2.892	2.88	2.88
5MHz QPSK	4.531	4.531	4.511	5.28	5.18	5.14
5MHz 16QAM	4.531	4.511	4.531	5.22	5.18	5.16
10MHz QPSK	8.942	8.982	8.942	9.96	9.96	9.68
10MHz 16QAM	8.942	8.942	8.942	9.88	9.8	9.76
15MHz QPSK	13.533	13.413	13.473	15.12	14.4	15.12
15MHz 16QAM	13.533	13.533	13.473	15.12	15.12	14.94
20MHz QPSK	18.044	17.884	17.884	20.08	19.52	19.44
20MHz 16QAM	17.964	17.964	17.964	19.76	19.68	19.84
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	3.85	1710.925	1710.00	1779.088	1780
	-20	3.85	1710.956	1710.00	1779.090	1780
	-10	3.85	1710.949	1710.00	1779.077	1780
	0	3.85	1710.910	1710.00	1779.004	1780
	10	3.85	1710.973	1710.00	1779.055	1780
	20	3.85	1710.978	1710.00	1779.022	1780
	30	3.85	1710.925	1710.00	1779.016	1780
	40	3.85	1710.987	1710.00	1779.003	1780
	50	3.85	1710.938	1710.00	1779.000	1780
Frequency Stability vs. Voltage	20	3.5	1710.954	1710.00	1779.012	1780
	20	4.4	1710.919	1710.00	1779.100	1780
					Result:	Pass

Test Mode:	20M 16QAM	Test Channel: Lowest for Lower Edge,Highest for Upper Edge				
Test Item	Temperature (°C)	Voltage (V _{DC})	Lower Edge (MHz)		Upper Edge (MHz)	
			Result	Limit	Result	Limit
Frequency Stability vs. Temperature	-30	3.85	1711.052	1710.00	1779.015	1780
	-20	3.85	1711.051	1710.00	1779.028	1780
	-10	3.85	1711.055	1710.00	1779.024	1780
	0	3.85	1711.094	1710.00	1779.089	1780
	10	3.85	1711.068	1710.00	1779.065	1780
	20	3.85	1711.058	1710.00	1779.022	1780
	30	3.85	1711.019	1710.00	1779.035	1780
	40	3.85	1711.082	1710.00	1779.090	1780
	50	3.85	1711.008	1710.00	1779.059	1780
Frequency Stability vs. Voltage	20	3.5	1711.092	1710.00	1779.044	1780
	20	4.4	1711.002	1710.00	1779.043	1780
					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):

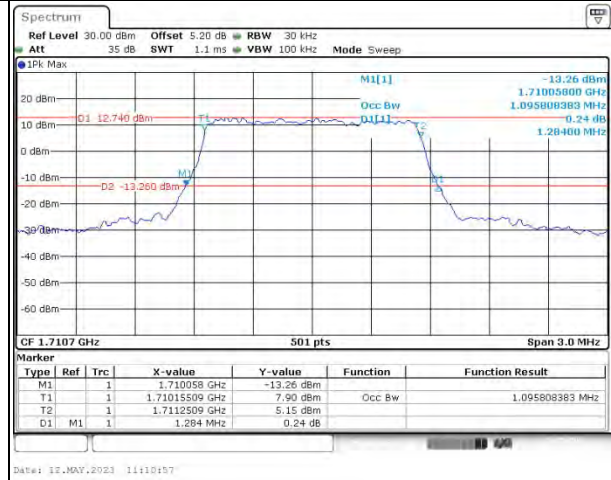
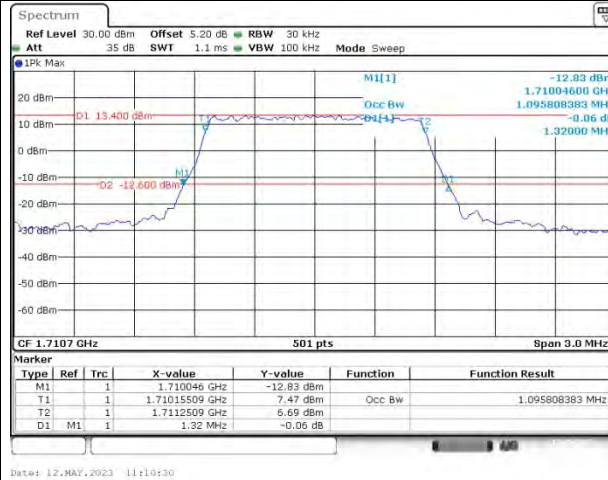
Occupied Bandwidth

Channel

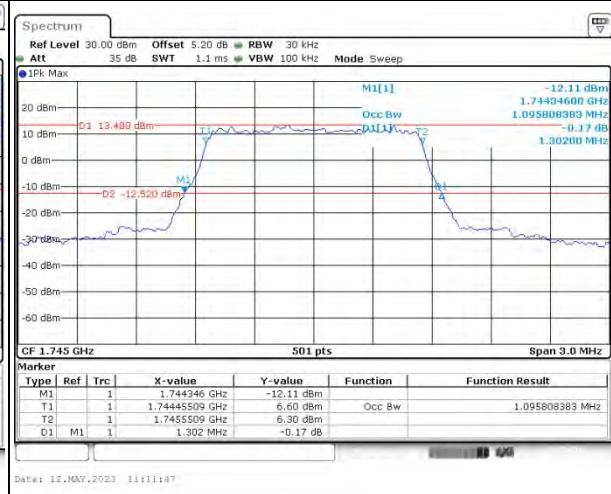
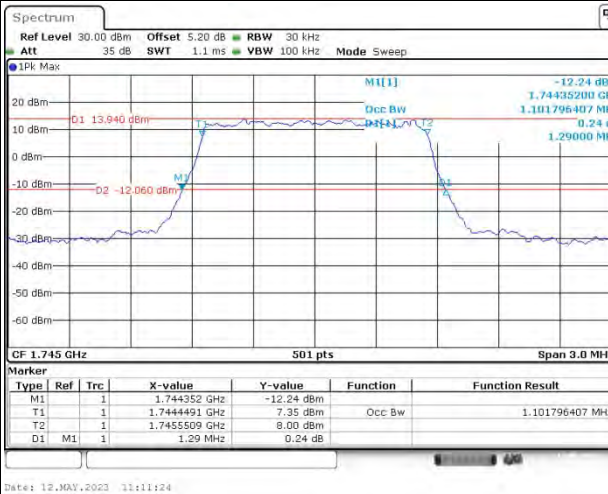
1.4MHz Bandwidth QPSK

1.4MHz Bandwidth 16QAM

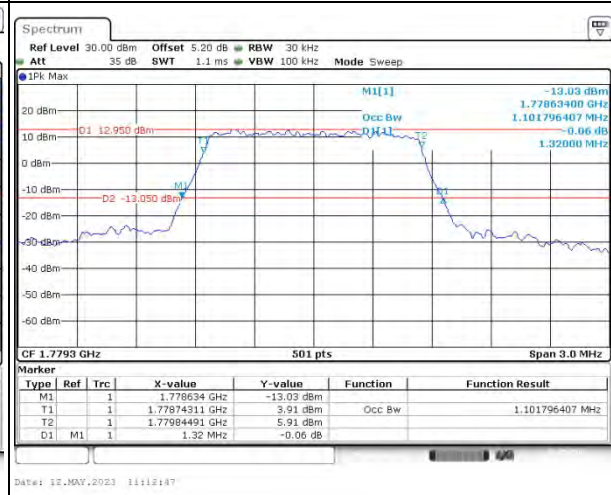
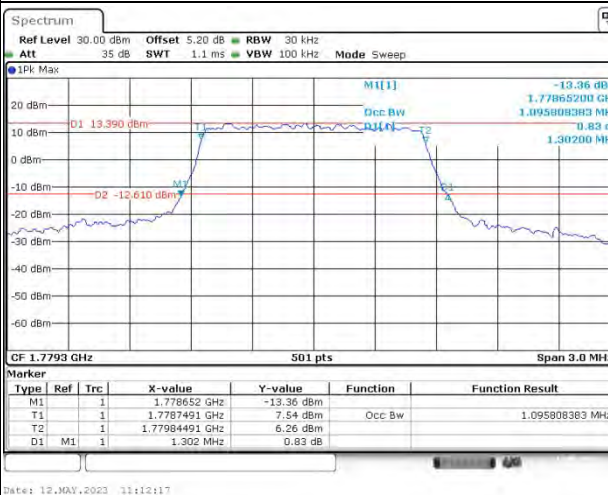
Lowest



Middle



Highest



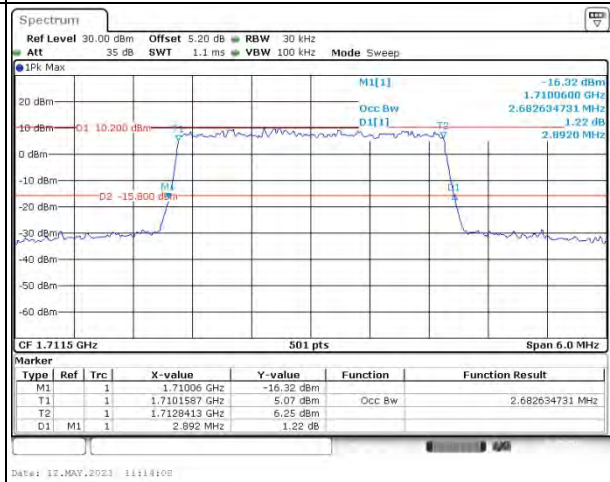
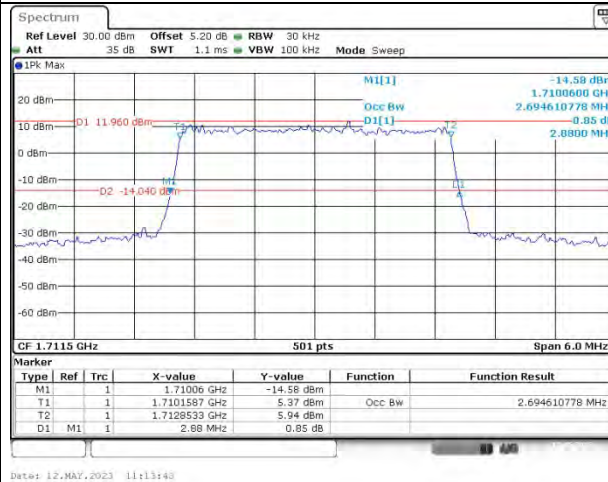
Occupied Bandwidth

Channel

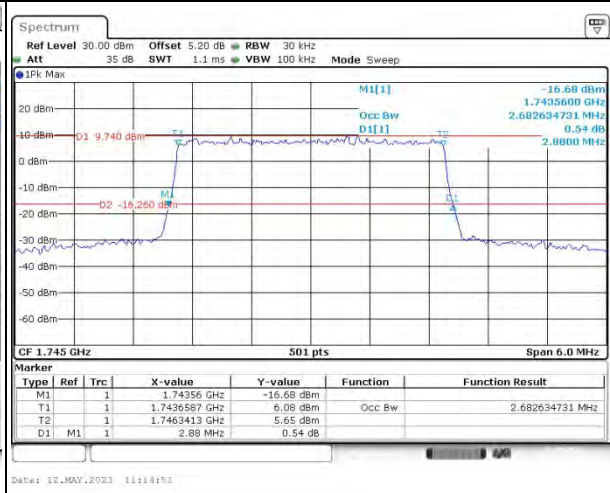
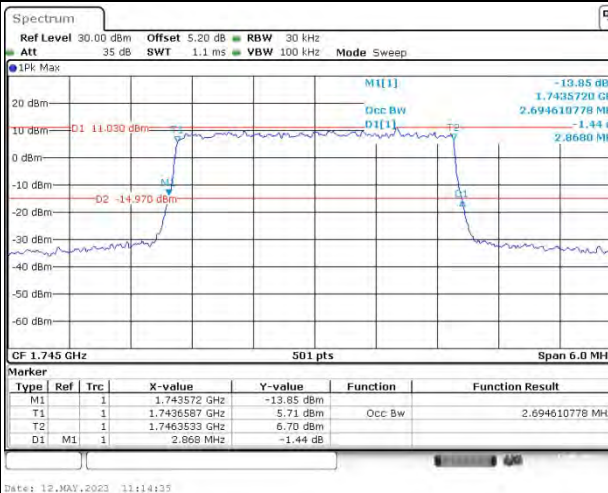
3MHz Bandwidth QPSK

3MHz Bandwidth 16QAM

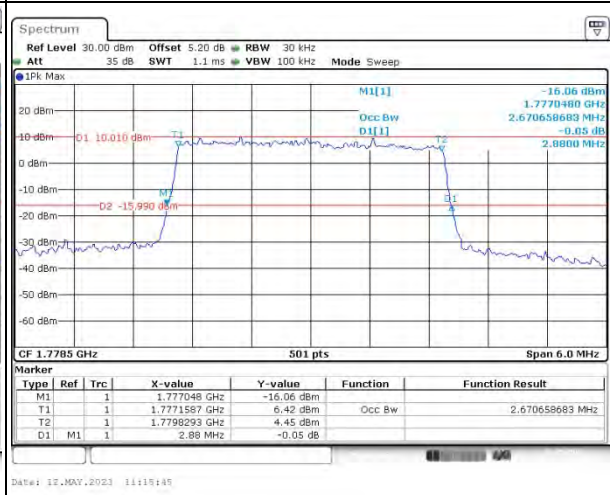
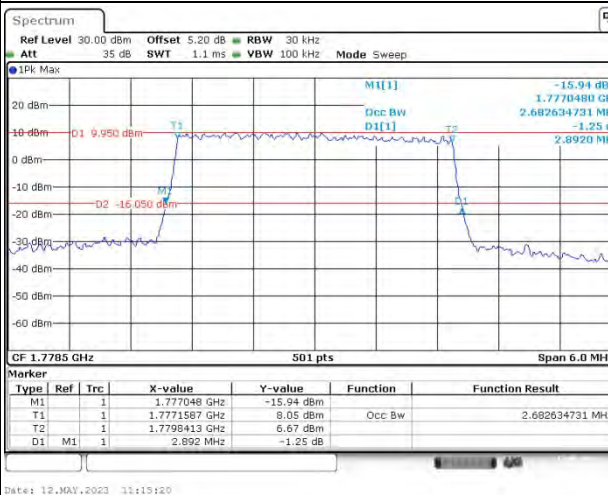
Lowest



Middle



Highest



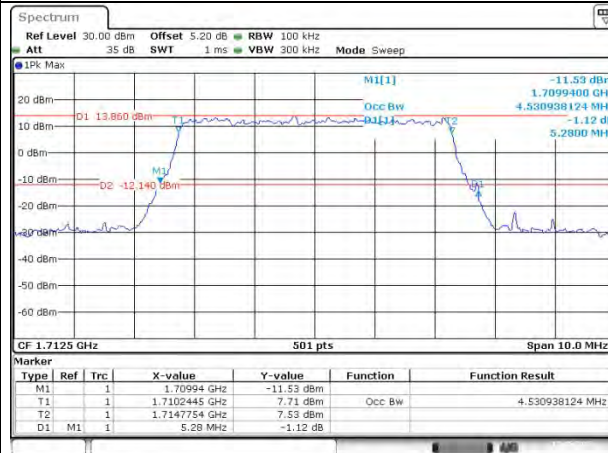
Occupied Bandwidth

Channel

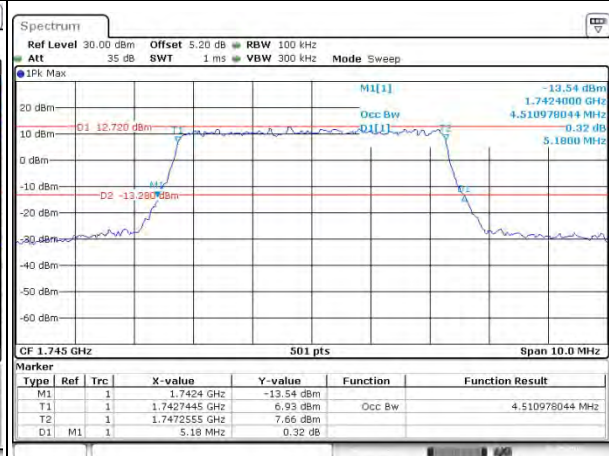
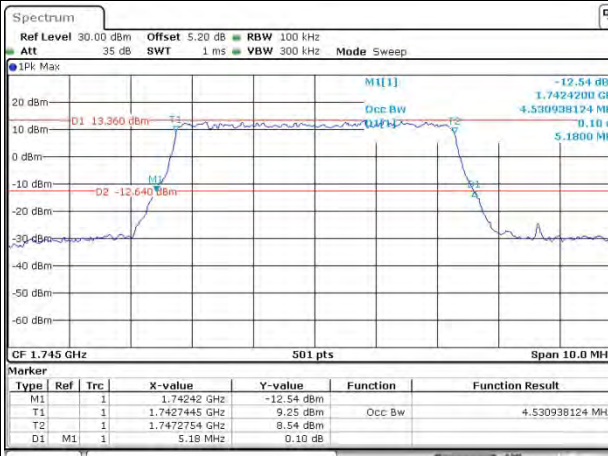
5MHz Bandwidth QPSK

5MHz Bandwidth 16QAM

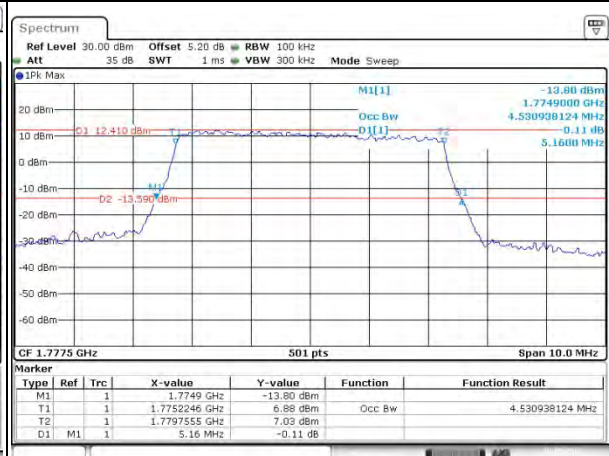
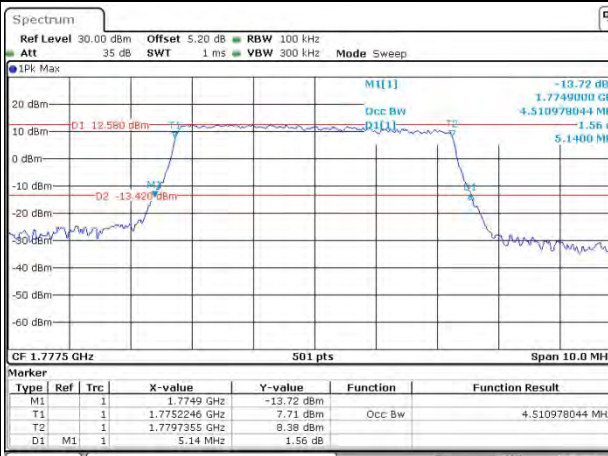
Lowest



Middle



Highest



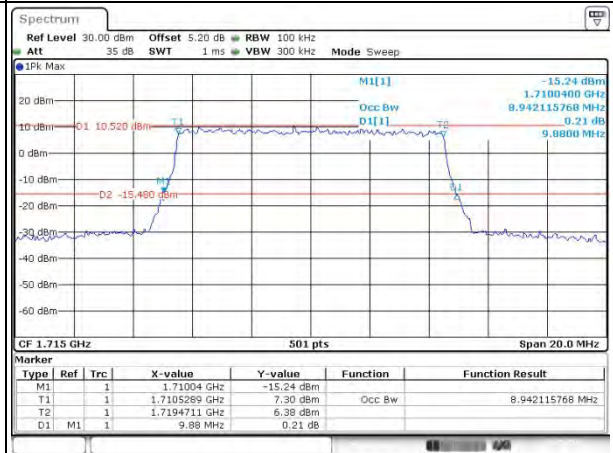
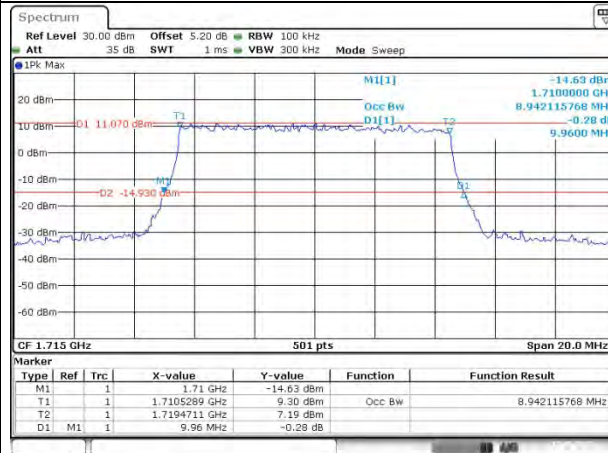
Occupied Bandwidth

Channel

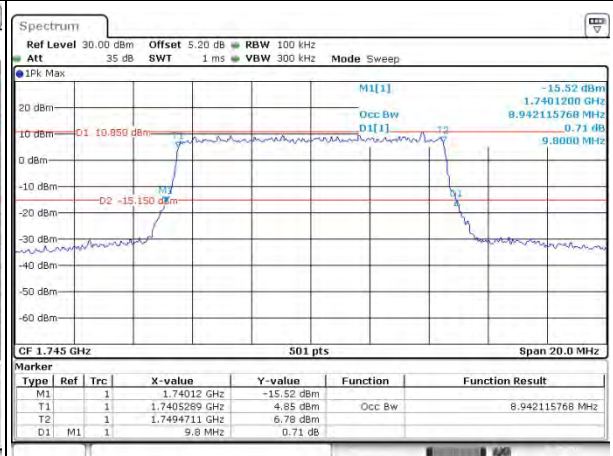
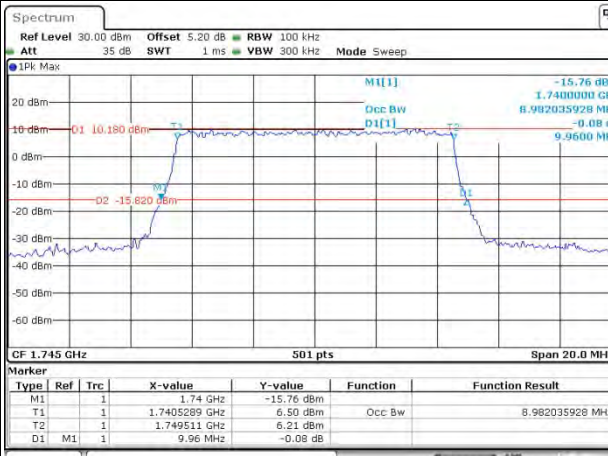
10MHz Bandwidth QPSK

10MHz Bandwidth 16QAM

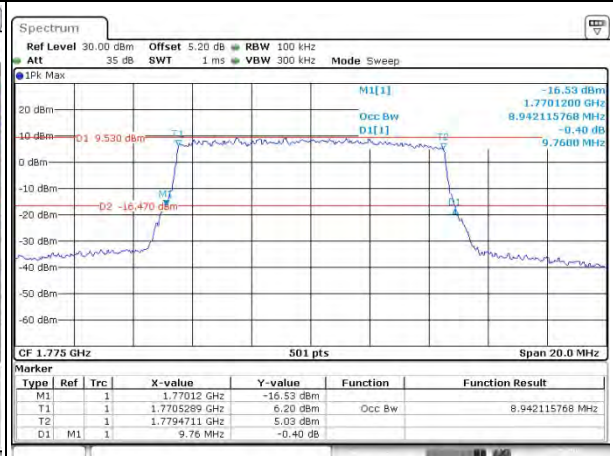
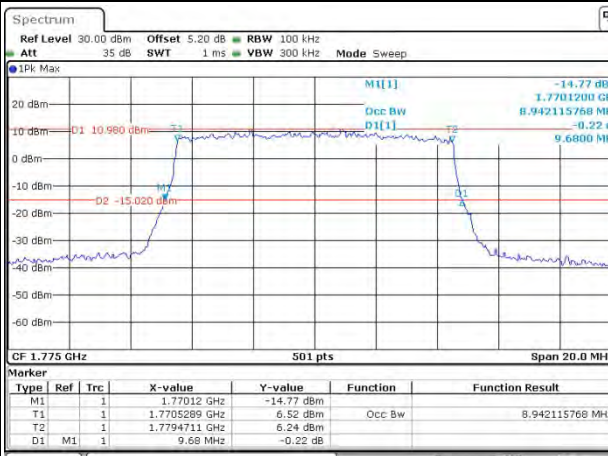
Lowest



Middle



Highest



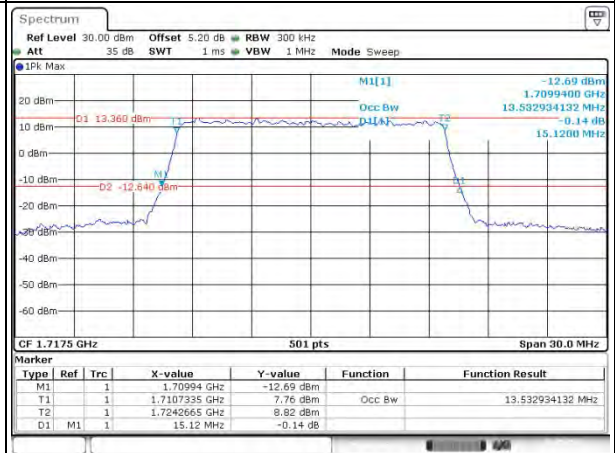
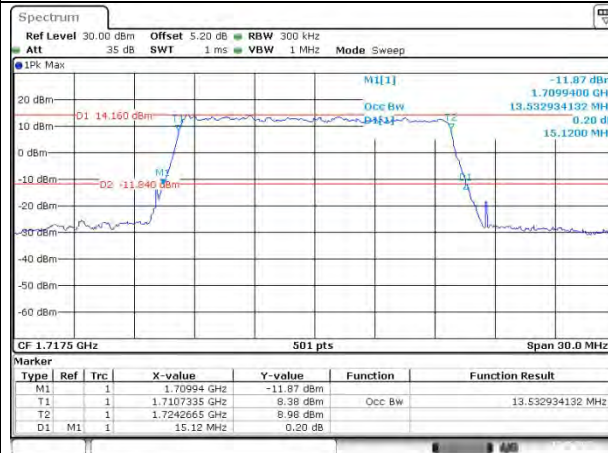
Occupied Bandwidth

Channel

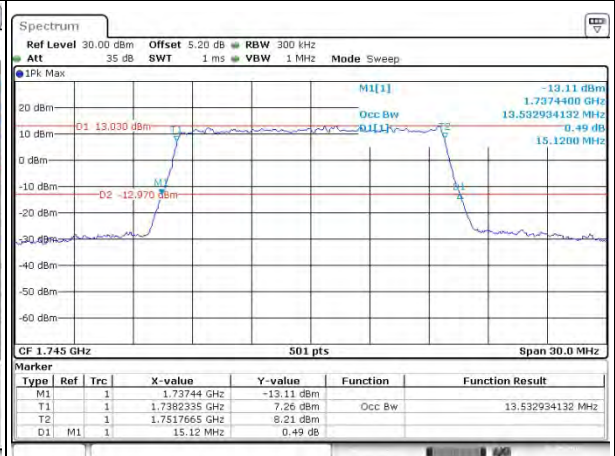
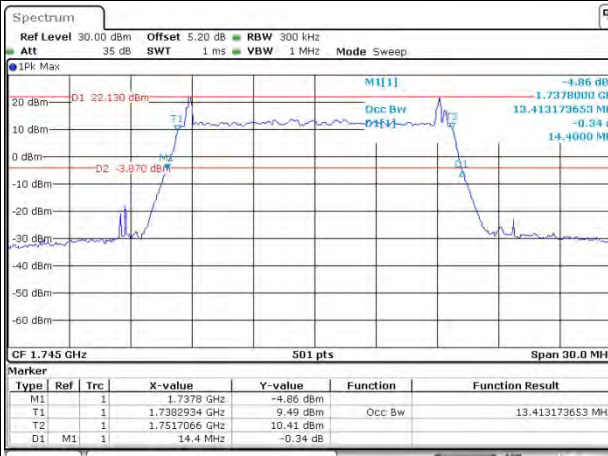
15MHz Bandwidth QPSK

15MHz Bandwidth 16QAM

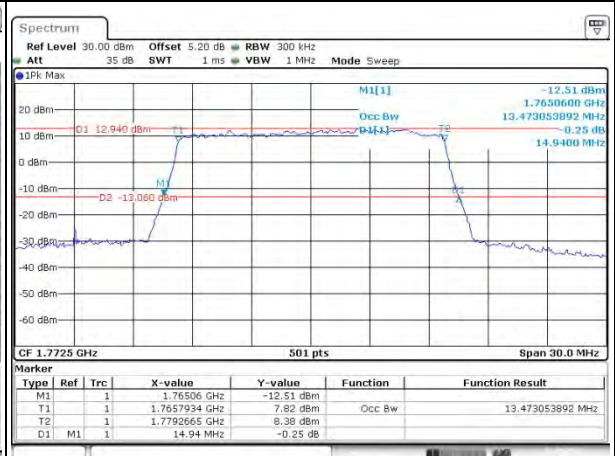
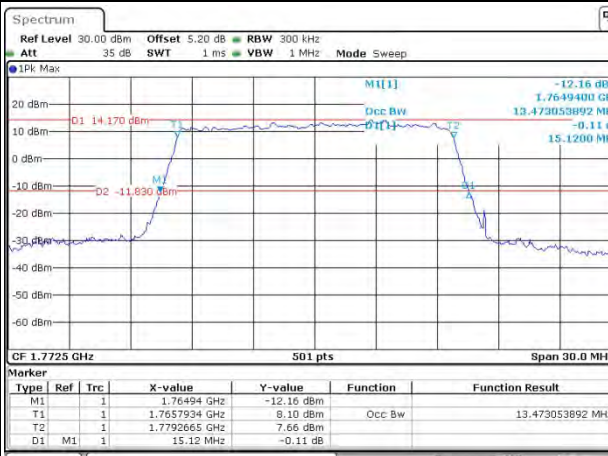
Lowest



Middle



Highest



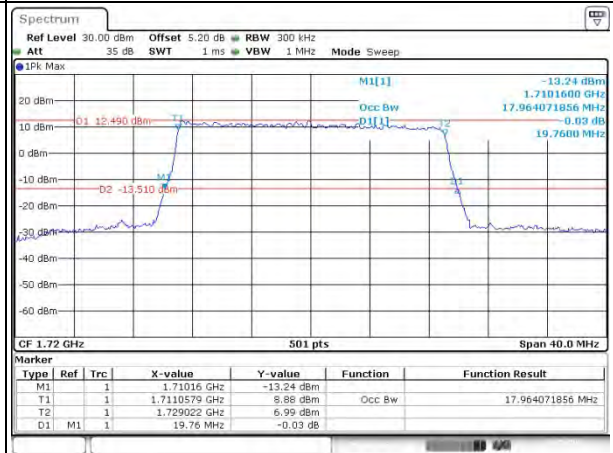
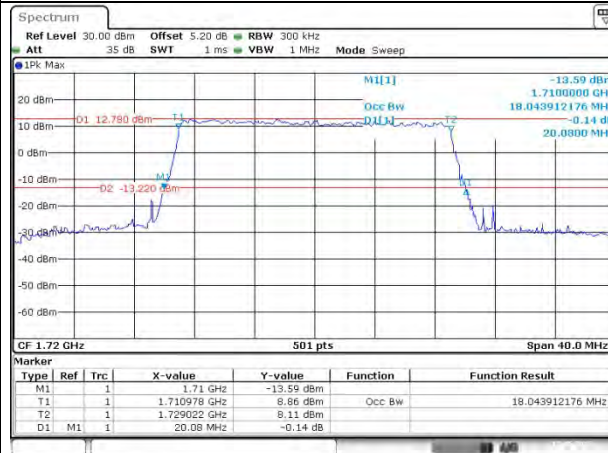
Occupied Bandwidth

Channel

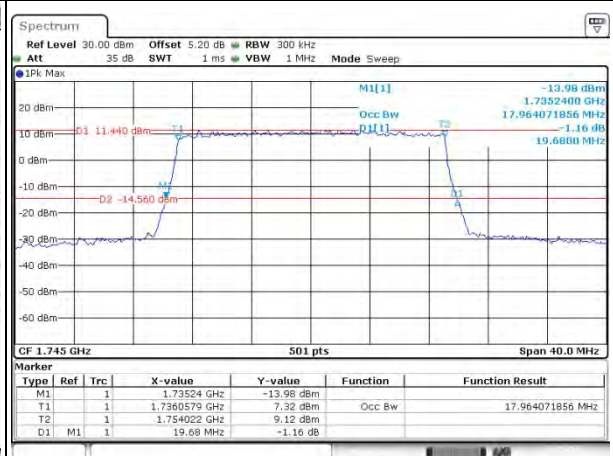
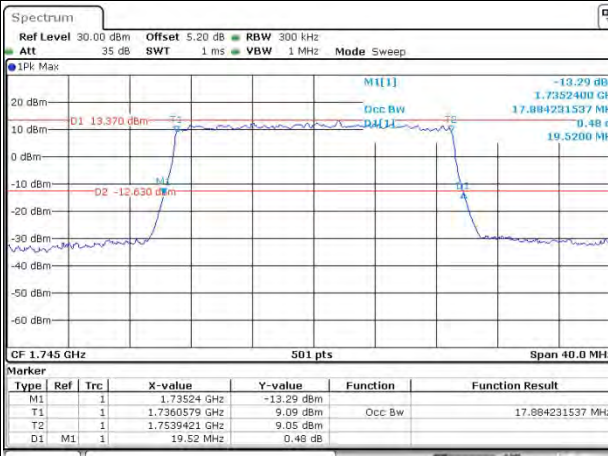
20MHz Bandwidth QPSK

20MHz Bandwidth 16QAM

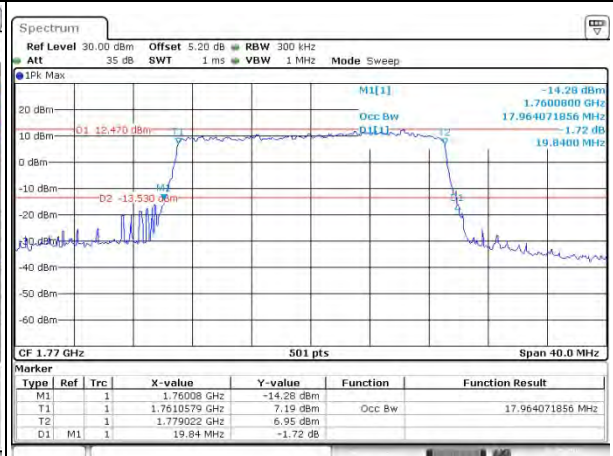
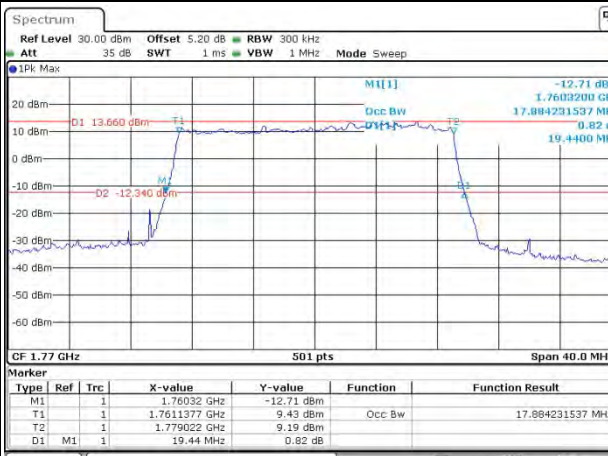
Lowest



Middle



Highest

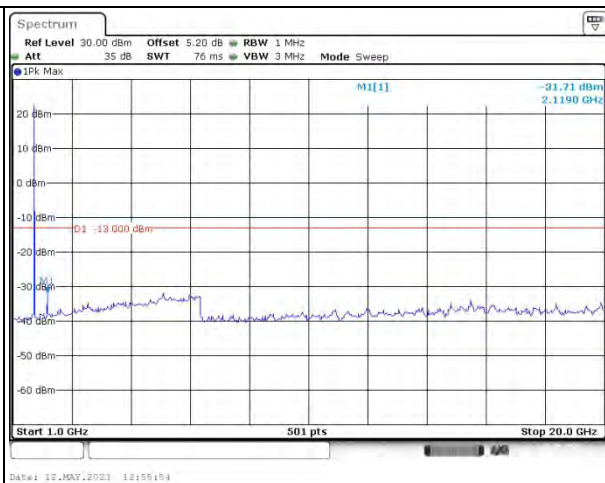
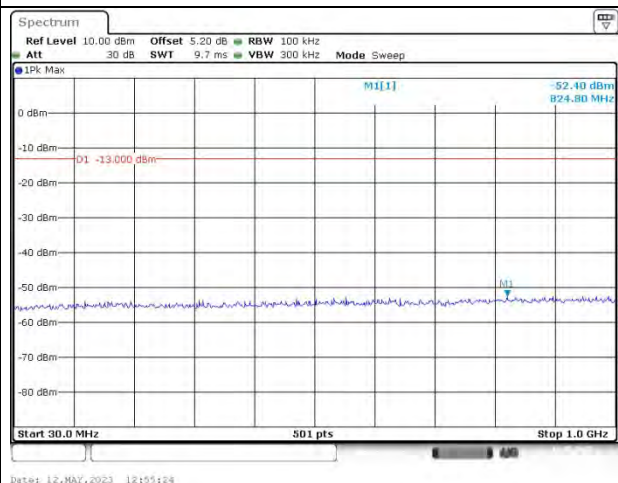


Spurious Emissions at Antenna Terminal

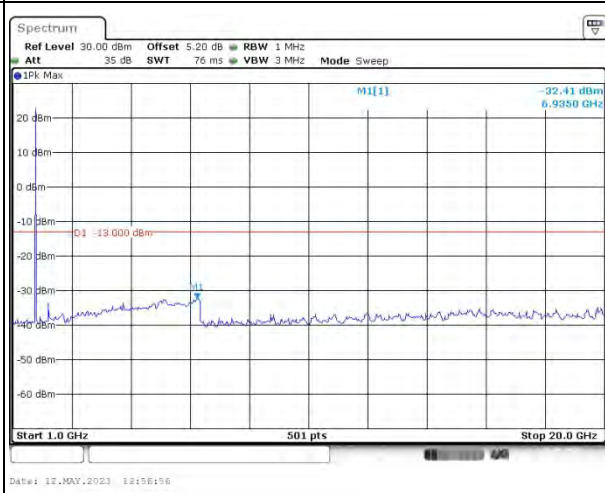
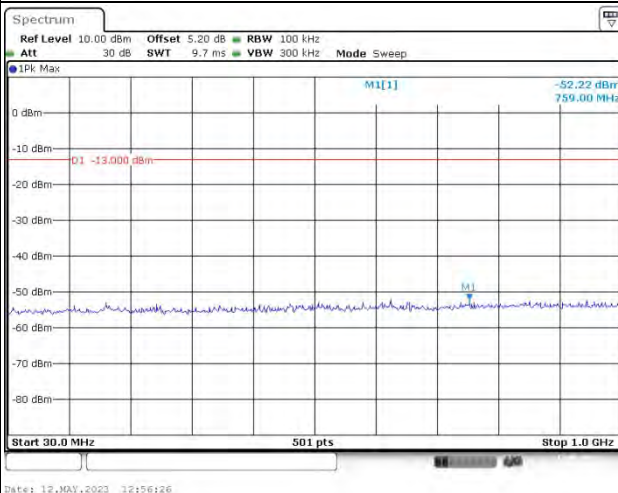
Channel

1.4MHz Bandwidth QPSK

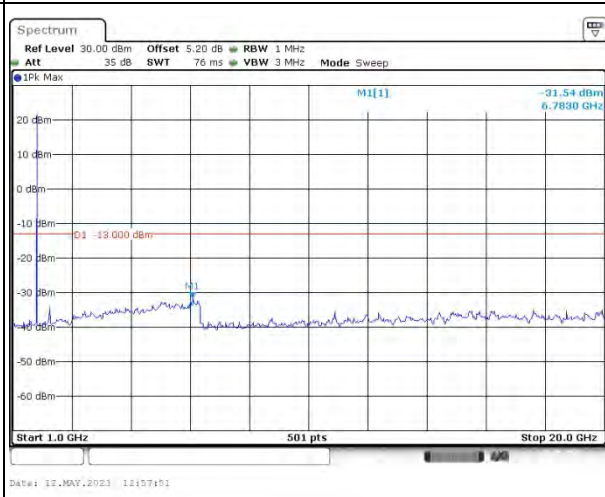
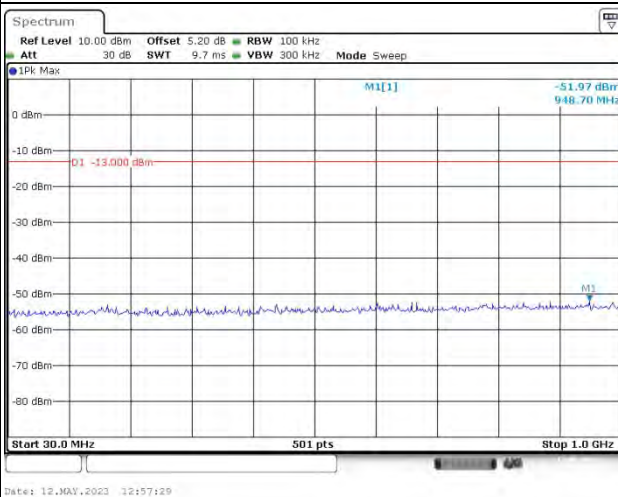
Lowest



Middle



Highest

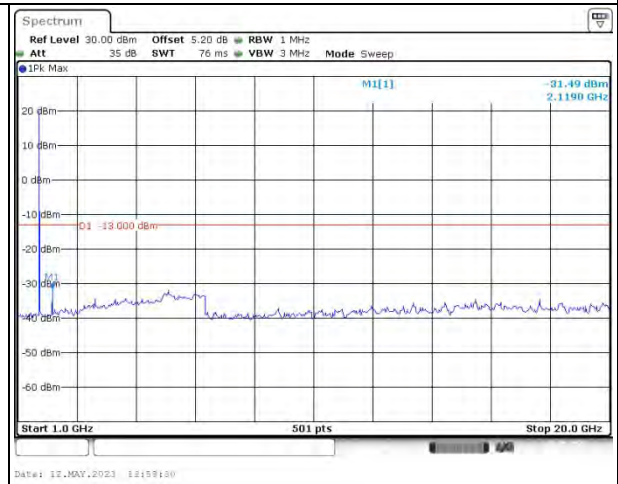
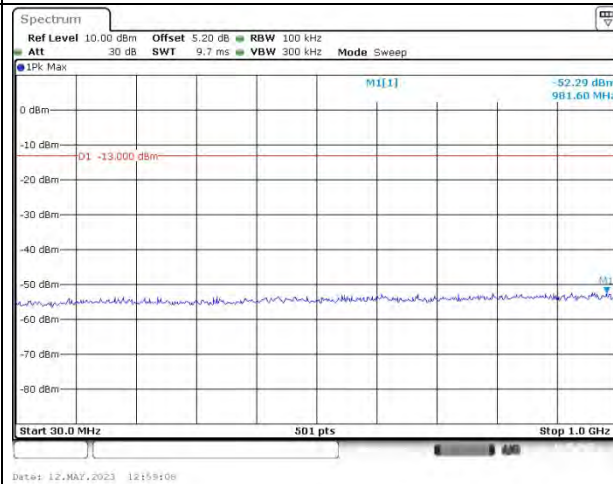


Spurious Emissions at Antenna Terminal

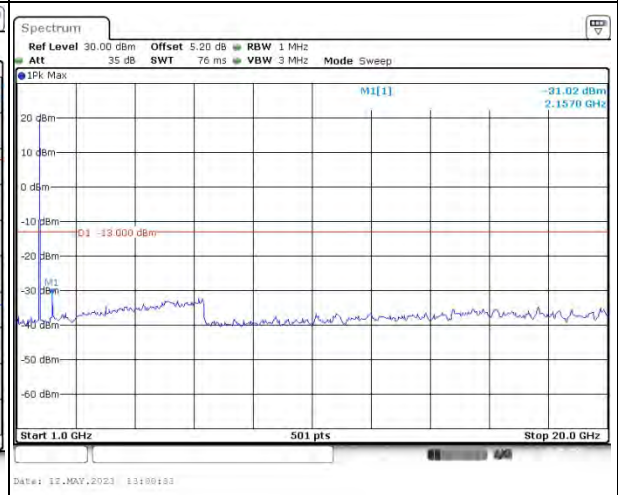
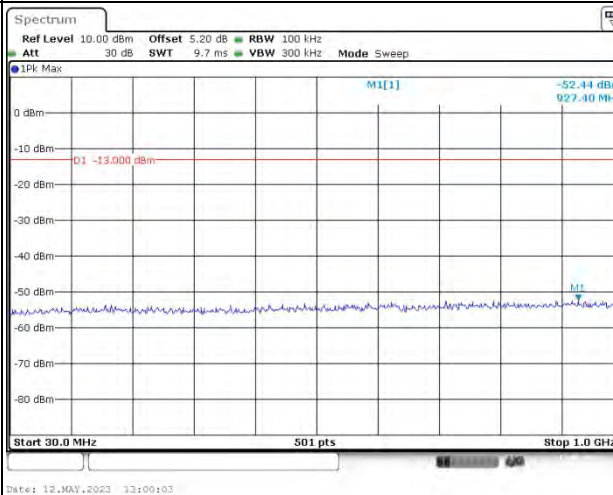
Channel

3MHz Bandwidth QPSK

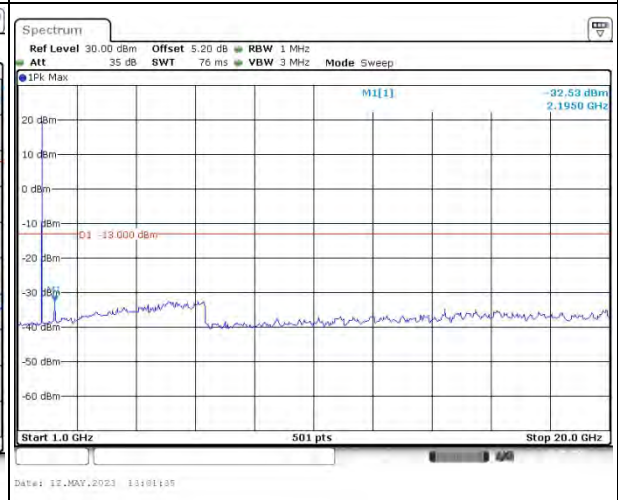
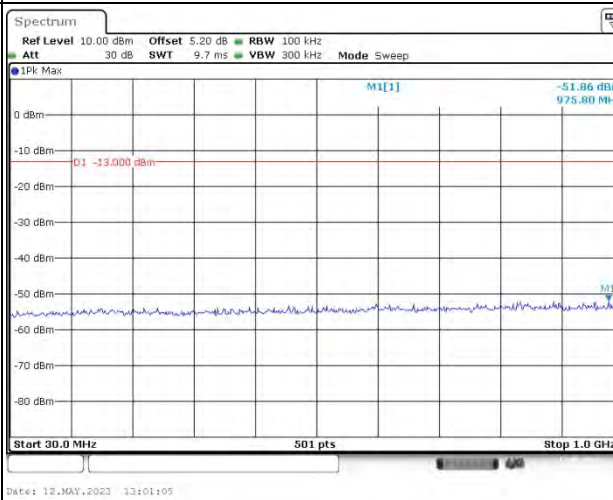
Lowest



Middle



Highest

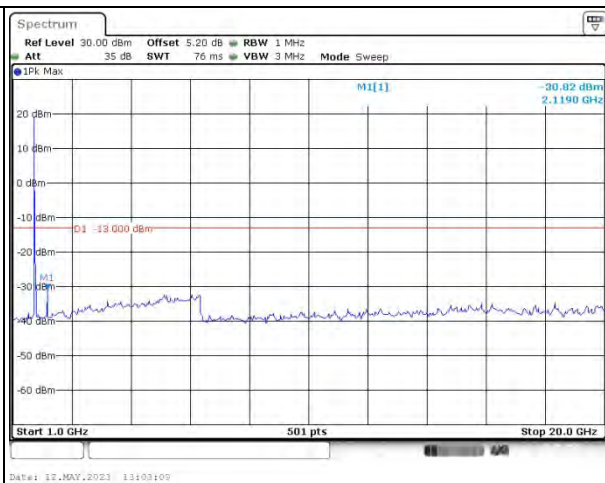
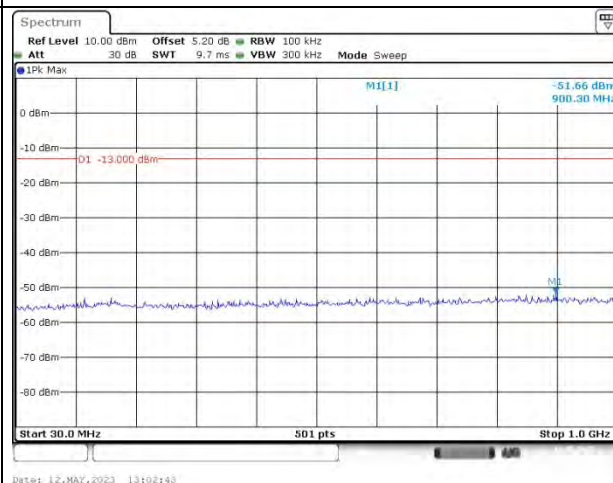


Spurious Emissions at Antenna Terminal

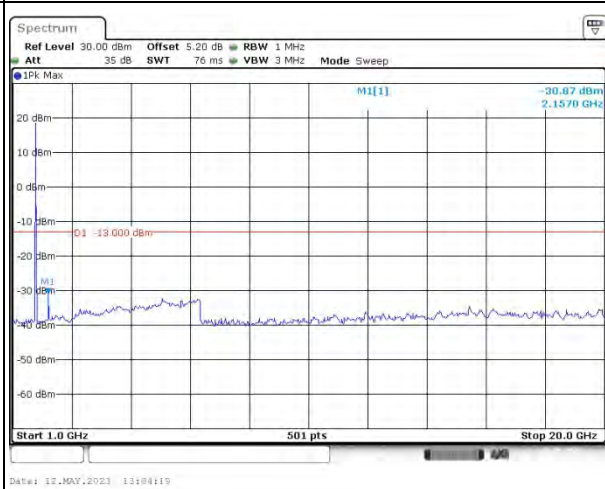
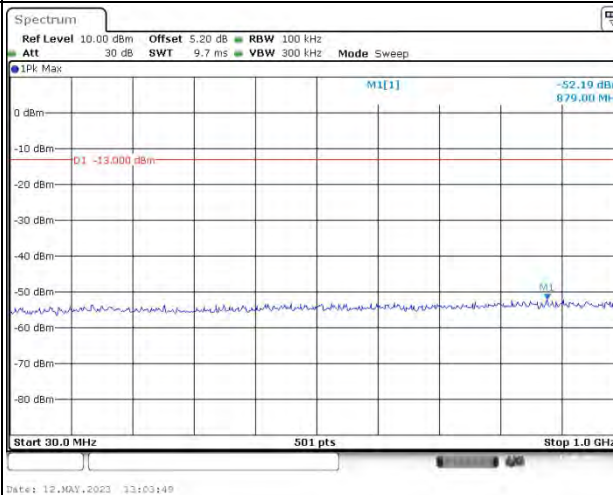
Channel

5MHz Bandwidth QPSK

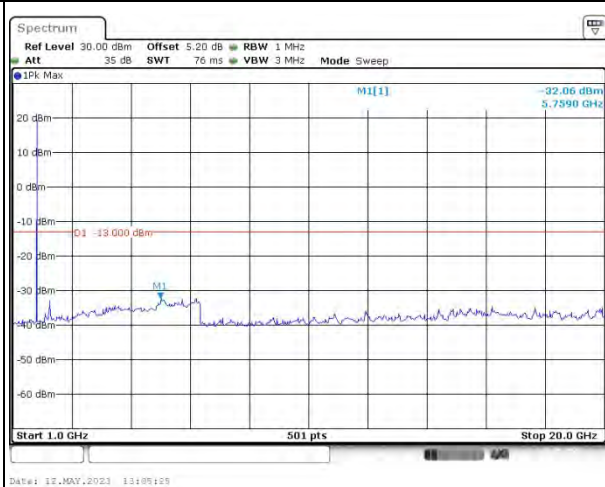
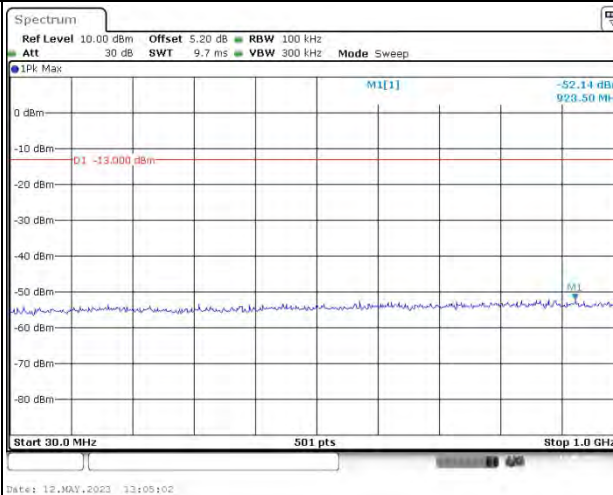
Lowest



Middle



Highest

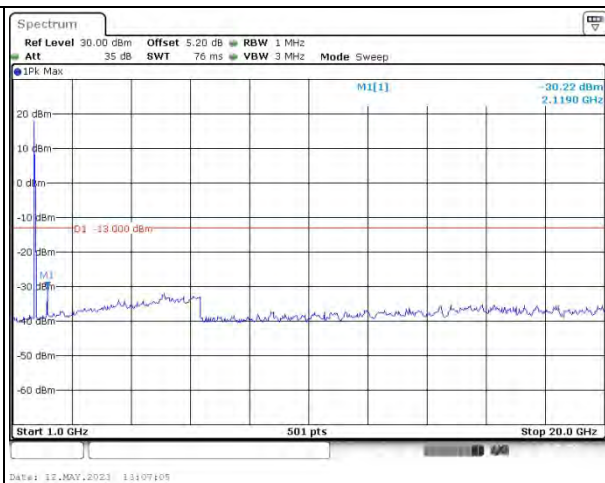
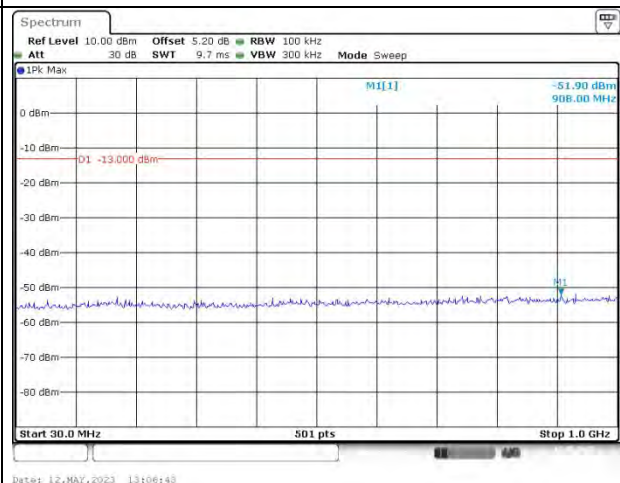


Spurious Emissions at Antenna Terminal

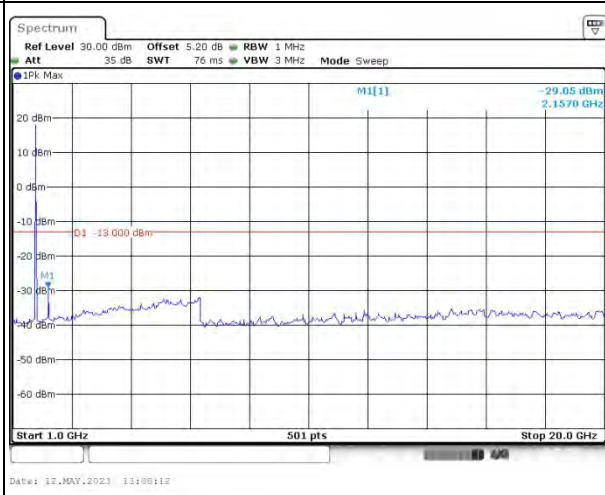
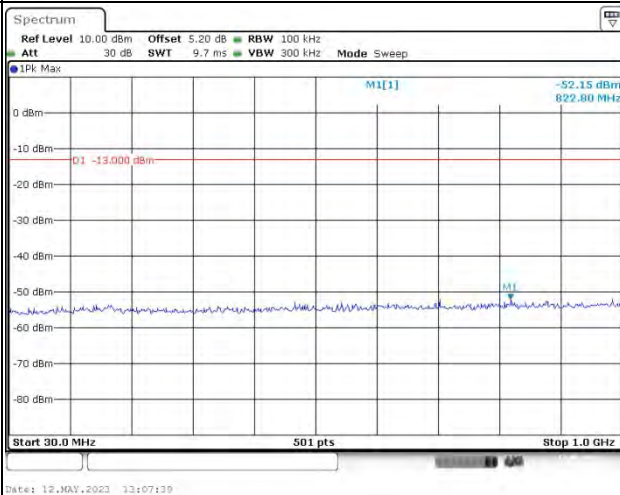
Channel

10MHz Bandwidth QPSK

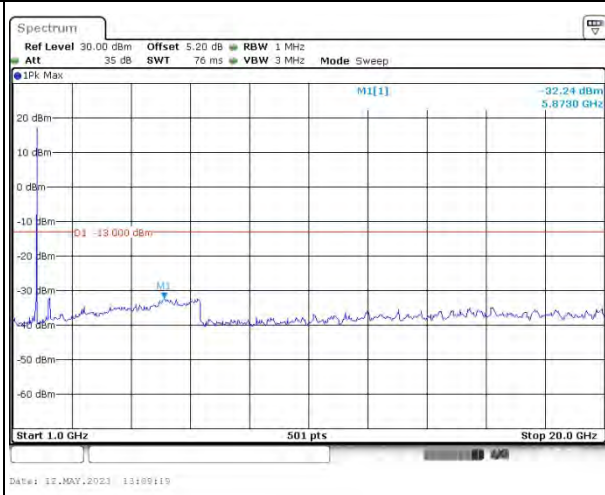
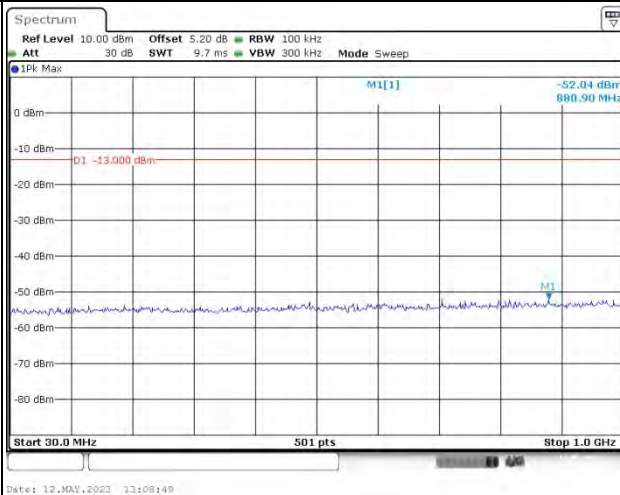
Lowest



Middle



Highest

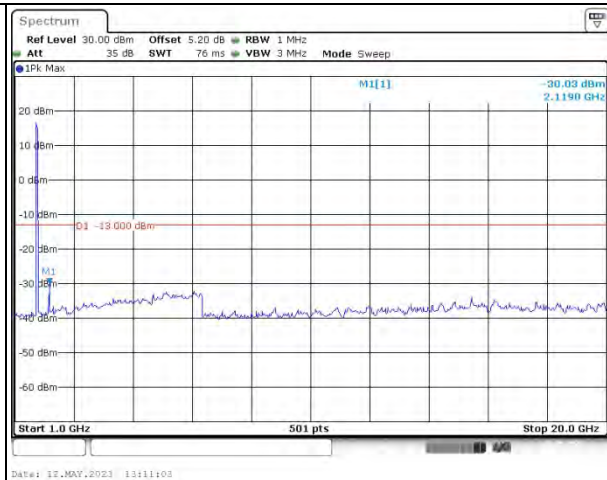
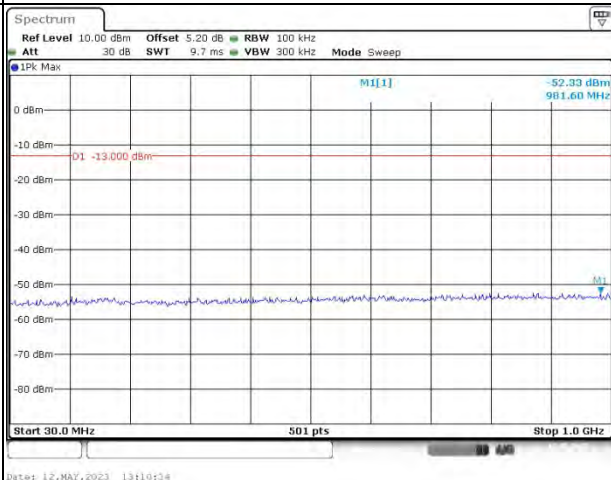


Spurious Emissions at Antenna Terminal

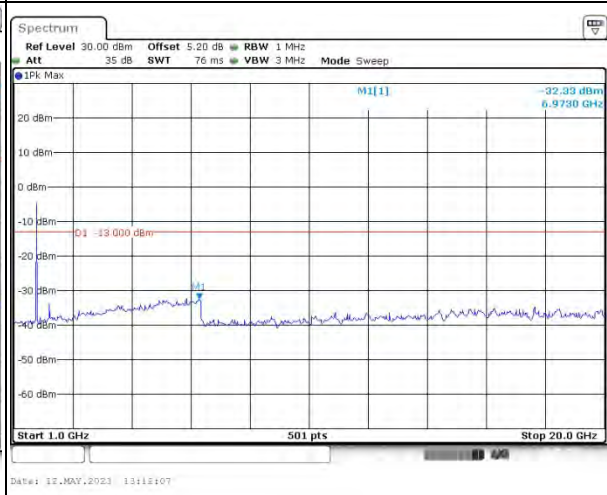
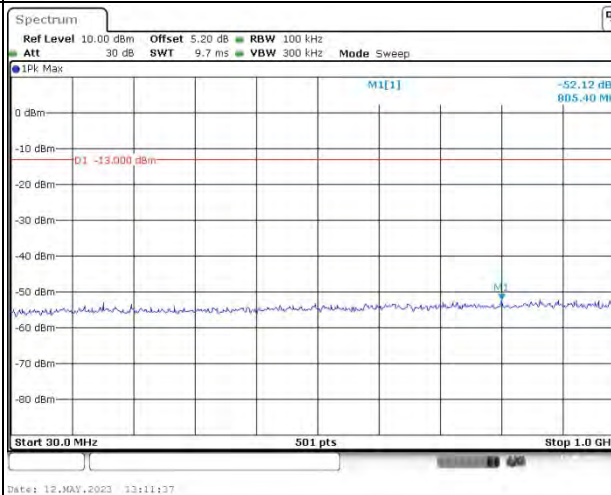
Channel

15MHz Bandwidth QPSK

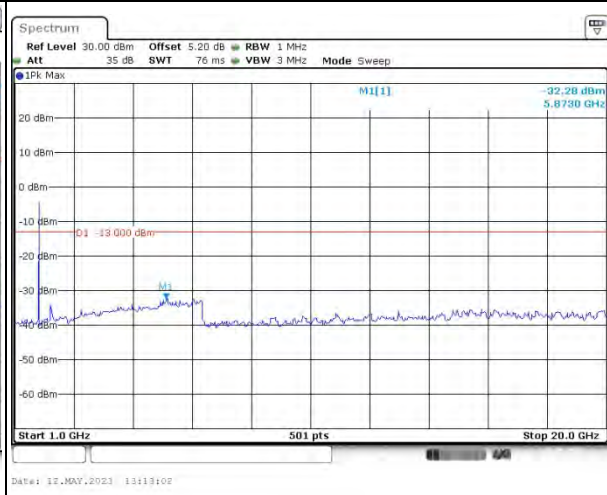
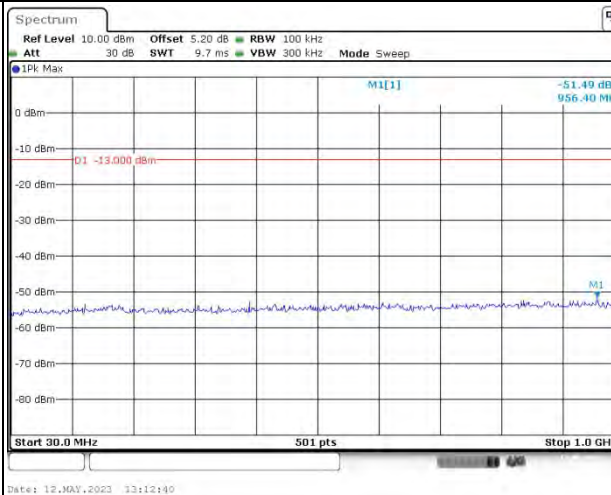
Lowest



Middle



Highest

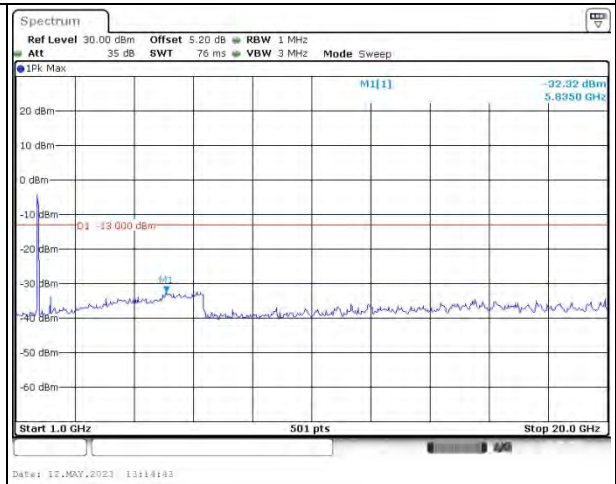
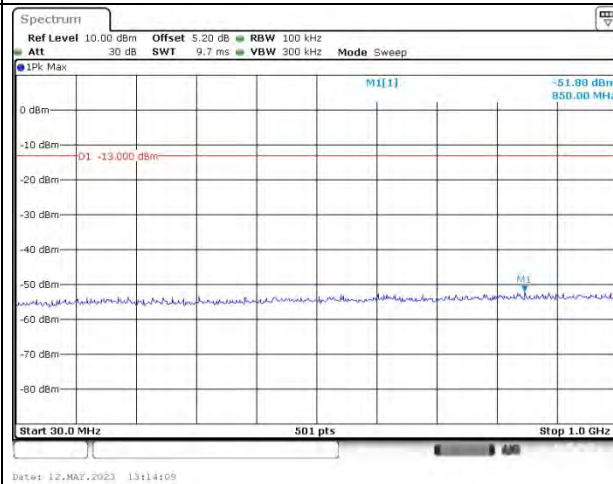


Spurious Emissions at Antenna Terminal

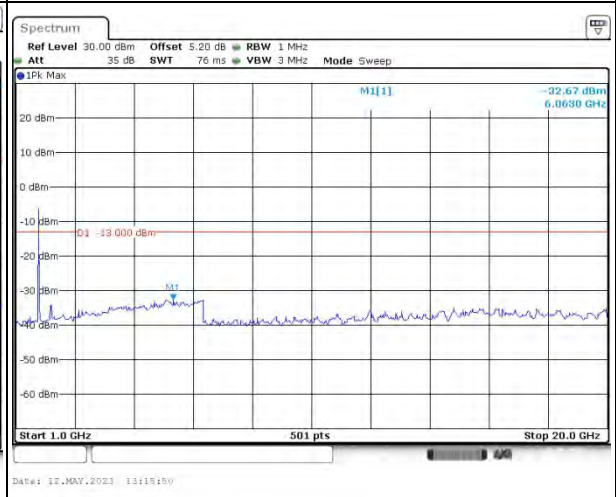
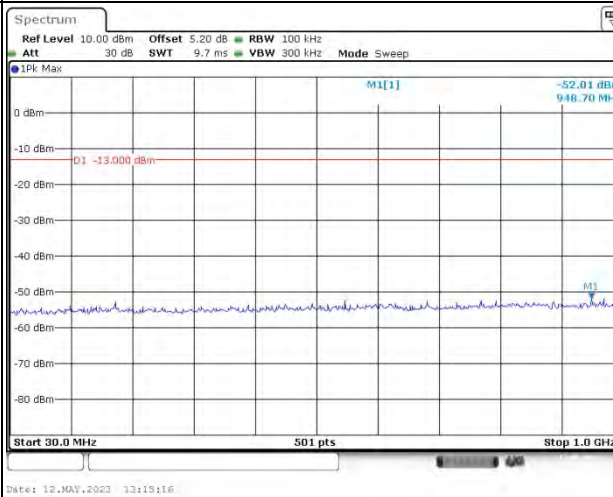
Channel

20MHz Bandwidth QPSK

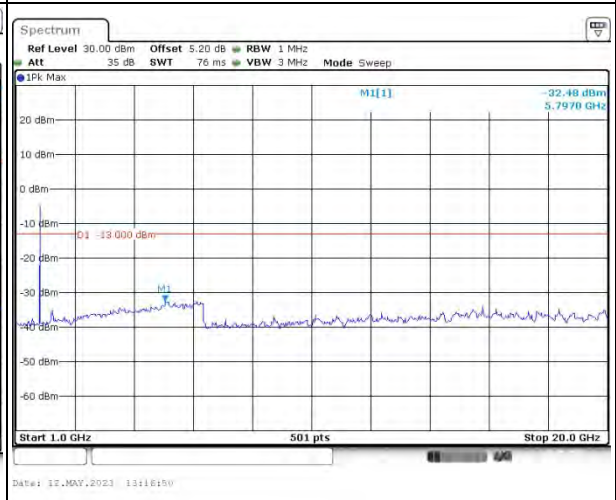
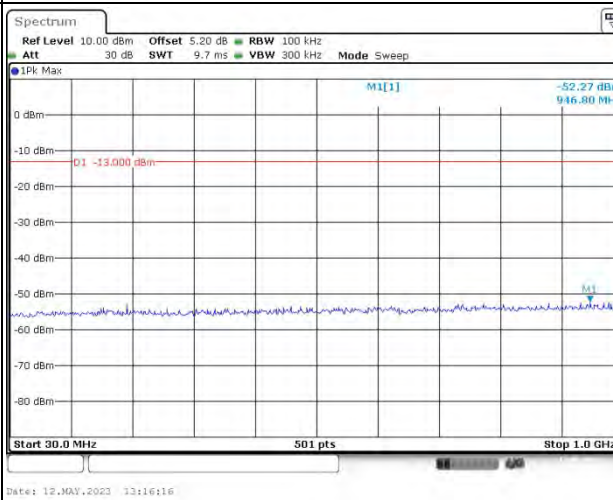
Lowest



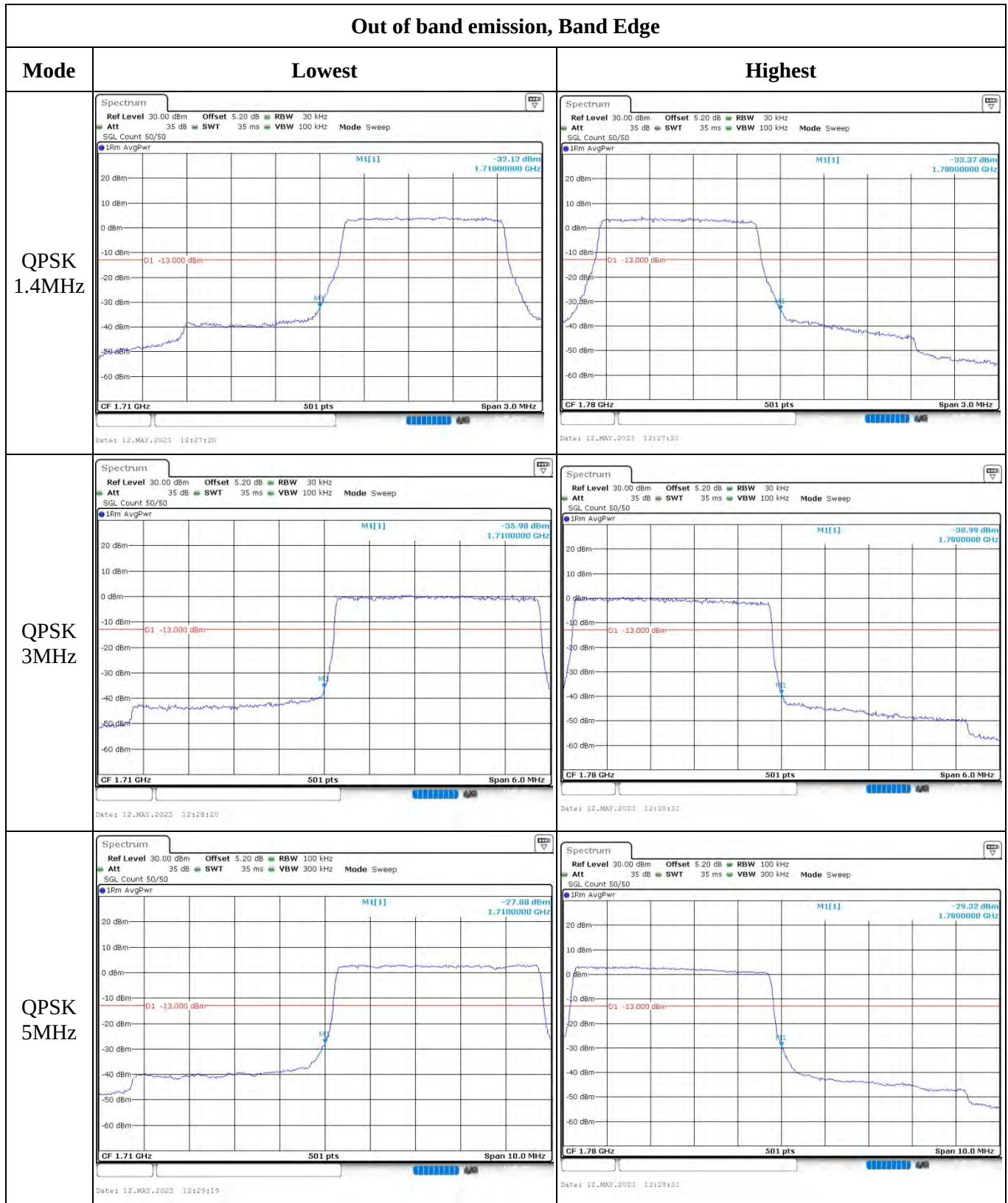
Middle



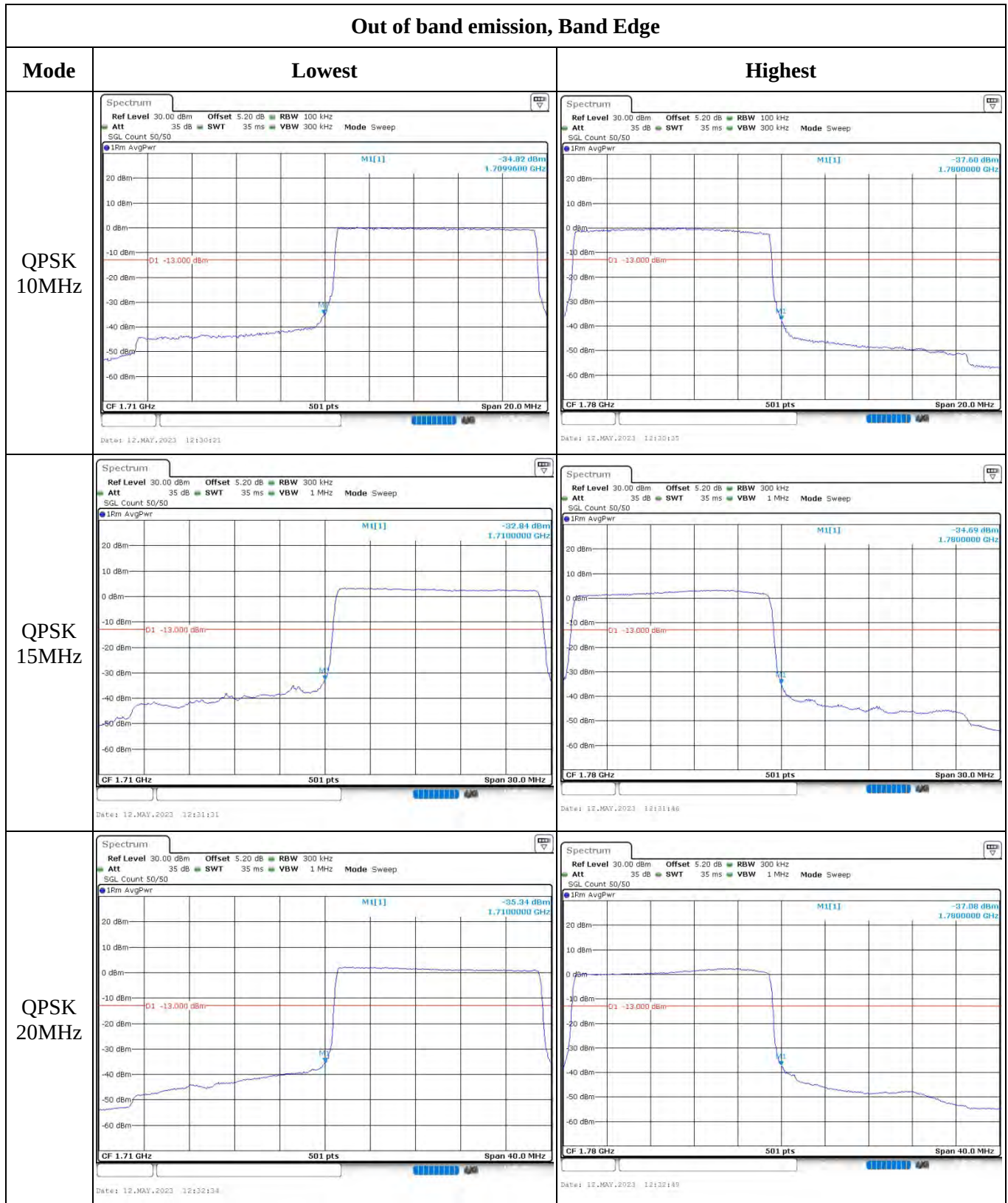
Highest



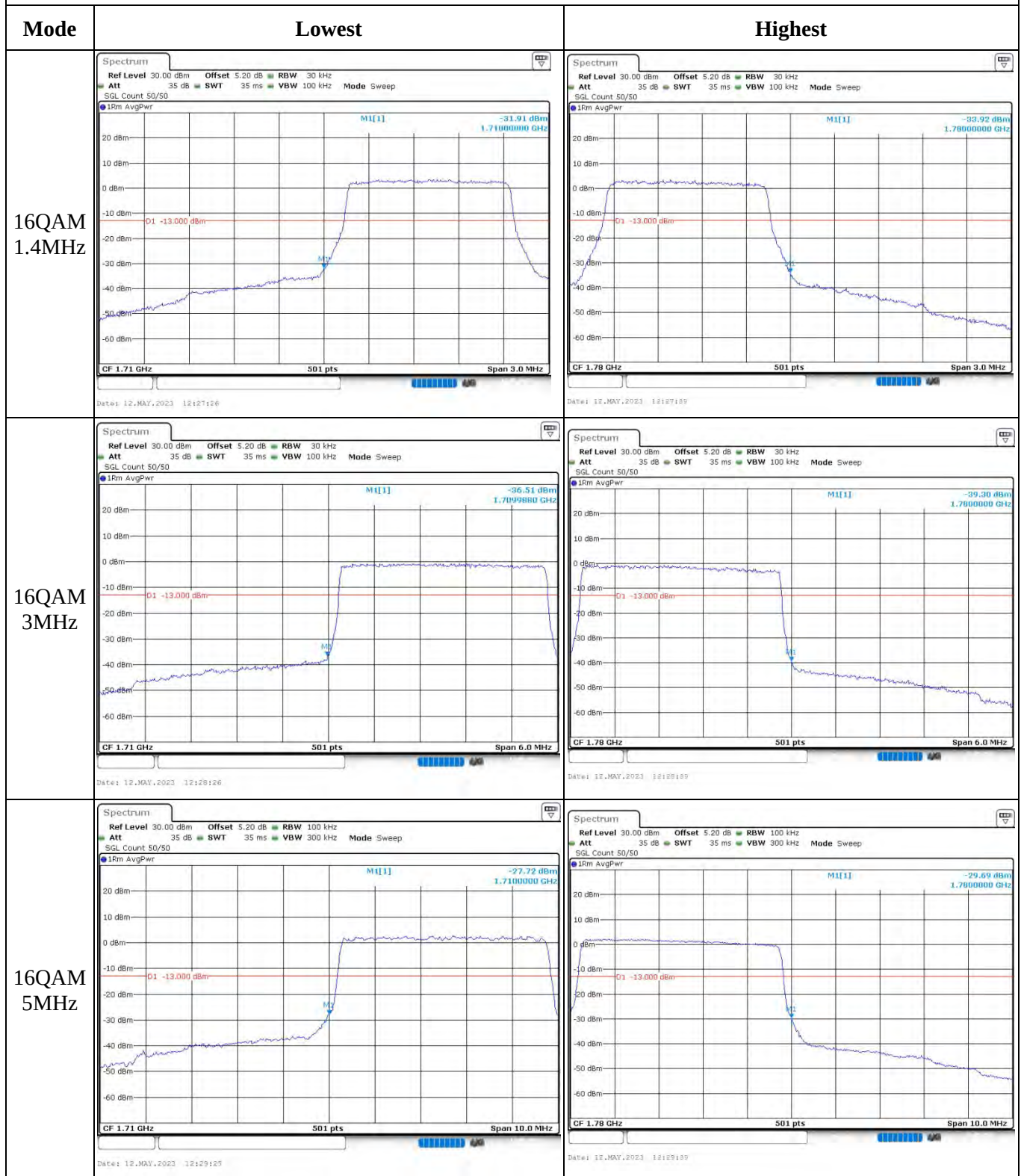
Out of band emission, Band Edge



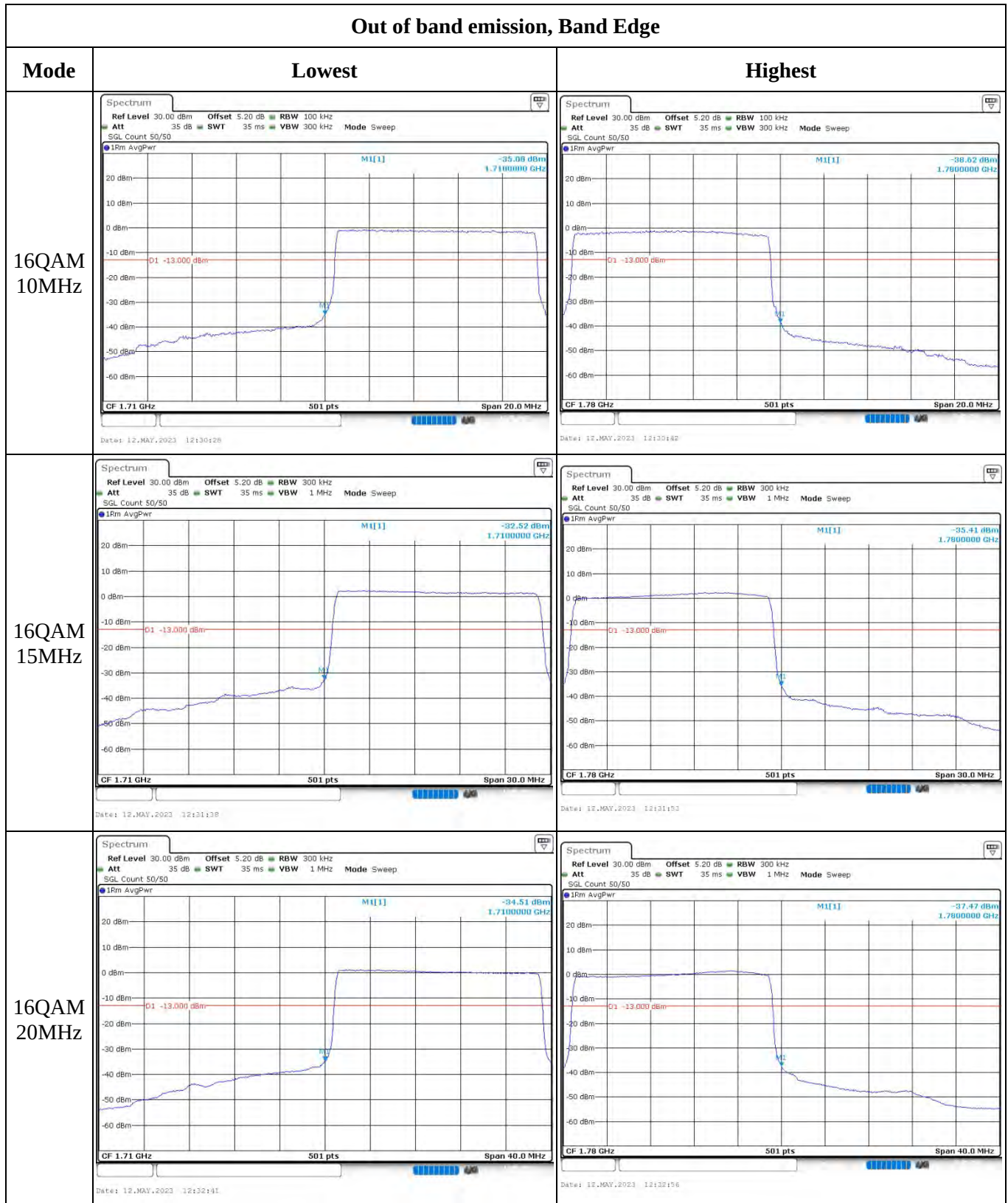
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.17 Radiated Spurious Emissions

Serial Number:	250W-1	Test Date:	2023/5/5~2023/5/12
Test Site:	966-1,966-2	Test Mode:	Transmitting
Tester:	Mack Huang,Vic Du	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	22.2~26.3	Relative Humidity: (%)	61~67	ATM Pressure: (kPa)	100.4~100.7
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Test Equipment List and Details:

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Sunol Sciences	Antenna	JB6	A082520-5	2020/10/19	2023/10/18
R&S	EMI Test Receiver	ESR3	102724	2022/07/15	2023/07/14
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2022/07/17	2023/07/16
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2022/07/17	2023/07/16
Sonoma	Amplifier	310N	186165	2022/07/17	2023/07/16
EMCO	Adjustable Dipole Antenna	3121C	9109-756	N/A	N/A
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2022/07/17	2023/07/16
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020/10/13	2023/10/12
R&S	Spectrum Analyzer	FSV40	101591	2022/07/15	2023/07/14
MICRO-COAX	Coaxial Cable	UFA210A-1-1200-70U300	217423-008	2022/08/07	2023/08/06
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2022/08/07	2023/08/06
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2022/11/09	2023/11/08
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021/10/18	2024/10/17
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2022/07/17	2023/07/16
Agilent	Signal Generator	E8247C	MY43321352	2022/07/18	2023/07/17
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021/02/05	2024/02/04
PASTERNAK	Horn Antenna	PE9852/2F-20	112001	2021/02/05	2024/02/04
AH	Preamplifier	PAM-1840VH	190	2022/11/09	2023/11/08
PASTERNAK	Horn Antenna	PE9850/2F-20	072001	2021/02/05	2024/02/04
PASTERNAK	Horn Antenna	PE9850/2F-20	072002	2021/02/05	2024/02/04
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2022/08/07	2023/08/06

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

Test Data:

Please refer to the below table and plots.

Note: The device can be mounted in multiple orientations, test was performed with X,Y, Z Axis according to C63.26 figure 5, the worst orientation was photographed and it's data was recorded.

Cellular Band (PART 22H)**30 MHz-10 GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 850 Frequency:824.2MHz								
620.89	H	33.10	-40.65	0.00	0.49	-41.14	-13.00	28.14
620.89	V	40.22	-31.13	0.00	0.49	-31.62	-13.00	18.62
1648.400	H	47.86	-56.47	8.68	0.80	-48.59	-13.00	35.59
1648.400	V	54.55	-49.86	8.68	0.80	-41.98	-13.00	28.98
2472.600	H	42.78	-58.00	9.38	1.00	-49.62	-13.00	36.62
2472.600	V	44.74	-55.99	9.38	1.00	-47.61	-13.00	34.61
3296.800	H	38.00	-58.68	10.32	1.15	-49.51	-13.00	36.51
3296.800	V	35.89	-60.55	10.32	1.15	-51.38	-13.00	38.38
GSM 850 Frequency:836.6MHz								
884.61	H	30.94	-38.22	0.00	0.60	-38.82	-13.00	25.82
634.09	V	37.80	-33.31	0.00	0.51	-33.82	-13.00	20.82
1673.200	H	48.61	-55.70	8.71	0.85	-47.84	-13.00	34.84
1673.200	V	58.04	-46.37	8.71	0.85	-38.51	-13.00	25.51
2509.800	H	41.57	-59.04	9.42	1.01	-50.63	-13.00	37.63
2509.800	V	56.14	-44.48	9.42	1.01	-36.07	-13.00	23.07
3346.400	H	38.30	-58.87	10.34	1.16	-49.69	-13.00	36.69
3346.400	V	37.37	-59.66	10.34	1.16	-50.48	-13.00	37.48
GSM 850 Frequency:848.8MHz								
893.96	H	31.11	-37.81	0.00	0.66	-38.47	-13.00	25.47
645.12	V	35.64	-35.27	0.00	0.52	-35.79	-13.00	22.79
1697.600	H	51.60	-52.69	8.74	0.90	-44.85	-13.00	31.85
1697.600	V	58.99	-45.43	8.74	0.90	-37.59	-13.00	24.59
2546.400	H	48.52	-51.81	9.47	1.01	-43.35	-13.00	30.35
2546.400	V	57.32	-42.96	9.47	1.01	-34.50	-13.00	21.50
3395.200	H	39.41	-58.28	10.36	1.19	-49.11	-13.00	36.11
3395.200	V	35.78	-61.88	10.36	1.19	-52.71	-13.00	39.71

30 MHz-10 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band 5 Frequency:826.4 MHz								
555.05	H	21.14	-53.61	0.00	0.49	-54.10	-13.00	41.10
721.82	V	20.29	-49.15	0.00	0.50	-49.65	-13.00	36.65
1652.800	H	36.02	-68.31	8.68	0.81	-60.44	-13.00	47.44
1652.800	V	35.00	-69.41	8.68	0.81	-61.54	-13.00	48.54
2479.200	H	36.22	-64.54	9.39	1.01	-56.16	-13.00	43.16
2479.200	V	35.78	-64.95	9.39	1.01	-56.57	-13.00	43.57
3305.600	H	36.35	-60.38	10.32	1.15	-51.21	-13.00	38.21
3305.600	V	36.00	-60.50	10.32	1.15	-51.33	-13.00	38.33
WCDMA Band 5 Frequency:836.6MHz								
286.29	H	20.17	-59.61	0.00	0.32	-59.93	-13.00	46.93
224.82	V	20.53	-58.43	0.00	0.28	-58.71	-13.00	45.71
1673.200	H	35.69	-68.62	8.71	0.85	-60.76	-13.00	47.76
1673.200	V	34.65	-69.76	8.71	0.85	-61.90	-13.00	48.90
2509.800	H	36.11	-64.50	9.42	1.01	-56.09	-13.00	43.09
2509.800	V	34.69	-65.93	9.42	1.01	-57.52	-13.00	44.52
3346.400	H	35.69	-61.48	10.34	1.16	-52.30	-13.00	39.30
3346.400	V	36.23	-60.80	10.34	1.16	-51.62	-13.00	38.62
WCDMA Band 5 Frequency:846.6MHz								
721.84	H	20.28	-52.60	0.00	0.50	-53.10	-13.00	40.10
445.14	V	20.67	-53.09	0.00	0.43	-53.52	-13.00	40.52
1693.200	H	35.46	-68.84	8.73	0.89	-61.00	-13.00	48.00
1693.200	V	35.32	-69.10	8.73	0.89	-61.26	-13.00	48.26
2539.800	H	36.01	-64.37	9.46	1.01	-55.92	-13.00	42.92
2539.800	V	35.55	-64.79	9.46	1.01	-56.34	-13.00	43.34
3386.400	H	34.97	-62.62	10.35	1.18	-53.45	-13.00	40.45
3386.400	V	35.38	-62.16	10.35	1.18	-52.99	-13.00	39.99

PCS Band (PART 24E)**30 MHz-20 GHz:**

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 1900 Frequency:1850.2MHz								
181.89	H	48.85	-63.68	0.00	0.25	-63.93	-13.00	50.93
51.90	V	51.86	-50.28	-14.03	0.13	-64.44	-13.00	51.44
3700.400	H	36.10	-61.22	10.60	1.25	-51.87	-13.00	38.87
3700.400	V	35.78	-61.52	10.60	1.25	-52.17	-13.00	39.17
5550.600	H	36.48	-56.78	11.44	1.49	-46.83	-13.00	33.83
5550.600	V	37.38	-55.72	11.44	1.49	-45.77	-13.00	32.77
GSM 1900 Frequency:1880MHz								
182.21	H	49.18	-63.35	0.00	0.25	-63.60	-13.00	50.60
51.84	V	51.65	-50.46	-14.05	0.13	-64.64	-13.00	51.64
3760.000	H	37.97	-58.44	10.66	1.24	-49.02	-13.00	36.02
3760.000	V	36.82	-59.47	10.66	1.24	-50.05	-13.00	37.05
5640.000	H	35.08	-58.37	11.33	1.54	-48.58	-13.00	35.58
5640.000	V	35.78	-57.55	11.33	1.54	-47.76	-13.00	34.76
GSM 1900 Frequency:1909.8MHz								
181.92	H	50.27	-62.26	0.00	0.25	-62.51	-13.00	49.51
52.03	V	52.30	-49.90	-13.97	0.13	-64.00	-13.00	51.00
3819.600	H	35.17	-60.69	10.72	1.29	-51.26	-13.00	38.26
3819.600	V	36.01	-59.71	10.72	1.29	-50.28	-13.00	37.28
5729.400	H	37.00	-56.48	11.22	1.59	-46.85	-13.00	33.85
5729.400	V	38.92	-54.44	11.22	1.59	-44.81	-13.00	31.81

30 MHz-20 GHz:

50 MHz TO 5 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band II, Frequency:1852.4 MHz								
181.92	H	48.46	-64.07	0.00	0.25	-64.32	-13.00	51.32
181.92	V	44.35	-65.38	0.00	0.25	-65.63	-13.00	52.63
3704.800	H	36.55	-60.71	10.60	1.25	-51.36	-13.00	38.36
3704.800	V	35.47	-61.76	10.60	1.25	-52.41	-13.00	39.41
5557.200	H	36.25	-57.03	11.43	1.49	-47.09	-13.00	34.09
5557.200	V	38.77	-54.36	11.43	1.49	-44.42	-13.00	31.42
WCDMA Band II, Frequency:1880 MHz								
285.85	H	46.35	-64.70	0.00	0.32	-65.02	-13.00	52.02
181.92	V	44.40	-65.33	0.00	0.25	-65.58	-13.00	52.58
3760.000	H	34.78	-61.63	10.66	1.24	-52.21	-13.00	39.21
3760.000	V	35.89	-60.40	10.66	1.24	-50.98	-13.00	37.98
5640.000	H	36.13	-57.32	11.33	1.54	-47.53	-13.00	34.53
5640.000	V	35.16	-58.17	11.33	1.54	-48.38	-13.00	35.38
WCDMA Band II, Frequency:1907.6MHz								
181.92	H	47.67	-64.86	0.00	0.25	-65.11	-13.00	52.11
383.65	V	42.06	-64.58	0.00	0.38	-64.96	-13.00	51.96
3815.200	H	35.77	-60.08	10.72	1.29	-50.65	-13.00	37.65
3815.200	V	35.41	-60.28	10.72	1.29	-50.85	-13.00	37.85
5722.800	H	36.01	-57.48	11.23	1.58	-47.83	-13.00	34.83
5722.800	V	35.27	-58.08	11.23	1.58	-48.43	-13.00	35.43

30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
WCDMA Band IV, Frequency:1712.4 MHz								
181.92	H	47.87	-64.66	0.00	0.25	-64.91	-13.00	51.91
272.61	V	46.51	-63.48	0.00	0.32	-63.80	-13.00	50.80
3424.800	H	35.46	-62.31	10.37	1.17	-53.11	-13.00	40.11
3424.800	V	36.01	-61.73	10.37	1.17	-52.53	-13.00	39.53
5137.200	H	35.27	-58.35	11.28	1.46	-48.53	-13.00	35.53
5137.200	V	35.23	-58.27	11.28	1.46	-48.45	-13.00	35.45
WCDMA Band IV, Frequency:1732.6 MHz								
205.26	H	46.58	-66.21	0.00	0.26	-66.47	-13.00	53.47
181.92	V	45.26	-64.47	0.00	0.25	-64.72	-13.00	51.72
3465.200	H	38.49	-59.32	10.39	1.15	-50.08	-13.00	37.08
3465.200	V	35.98	-61.79	10.39	1.15	-52.55	-13.00	39.55
5197.800	H	36.01	-58.12	11.32	1.44	-48.24	-13.00	35.24
5197.800	V	35.27	-58.71	11.32	1.44	-48.83	-13.00	35.83
WCDMA Band IV, Frequency:1752.6MHz								
384.26	H	46.59	-62.86	0.00	0.38	-63.24	-13.00	50.24
181.89	V	42.45	-67.28	0.00	0.25	-67.53	-13.00	54.53
3505.200	H	38.35	-59.48	10.41	1.18	-50.25	-13.00	37.25
3505.200	V	36.45	-61.32	10.41	1.18	-52.09	-13.00	39.09
5257.800	H	36.23	-57.50	11.35	1.47	-47.62	-13.00	34.62
5257.800	V	35.47	-58.04	11.35	1.47	-48.16	-13.00	35.16

LTE Bands:
(The Worst modulation and bandwidth was below)

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1850.7 MHz								
181.89	H	44.68	-67.85	0.00	0.25	-68.10	-13.00	55.10
45.67	V	40.21	-56.75	-19.14	0.12	-76.01	-13.00	63.01
3701.400	H	34.78	-62.53	10.60	1.25	-53.18	-13.00	40.18
3701.400	V	35.05	-62.24	10.60	1.25	-52.89	-13.00	39.89
5552.100	H	34.36	-58.91	11.44	1.49	-48.96	-13.00	35.96
5552.100	V	35.62	-57.48	11.44	1.49	-47.53	-13.00	34.53
QPSK, Frequency: 1880 MHz								
181.92	H	45.32	-67.21	0.00	0.25	-67.46	-13.00	54.46
42.25	V	40.08	-52.66	-23.43	0.12	-76.21	-13.00	63.21
3760.000	H	35.01	-61.40	10.66	1.24	-51.98	-13.00	38.98
3760.000	V	35.11	-61.18	10.66	1.24	-51.76	-13.00	38.76
5640.000	H	34.15	-59.30	11.33	1.54	-49.51	-13.00	36.51
5640.000	V	35.37	-57.96	11.33	1.54	-48.17	-13.00	35.17
QPSK, Frequency: 1909.3 MHz								
181.89	H	46.34	-66.19	0.00	0.25	-66.44	-13.00	53.44
50.64	V	40.21	-61.33	-14.61	0.13	-76.07	-13.00	63.07
3818.600	H	36.07	-59.79	10.72	1.29	-50.36	-13.00	37.36
3818.600	V	35.33	-60.38	10.72	1.29	-50.95	-13.00	37.95
5727.900	H	35.78	-57.70	11.23	1.59	-48.06	-13.00	35.06
5727.900	V	36.01	-57.35	11.23	1.59	-47.71	-13.00	34.71

LTE Band 4 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1710.7 MHz								
181.89	H	43.77	-68.76	0.00	0.25	-69.01	-13.00	56.01
44.43	V	39.35	-56.21	-20.55	0.12	-76.88	-13.00	63.88
3421.400	H	39.97	-57.79	10.37	1.17	-48.59	-13.00	35.59
3421.400	V	35.55	-62.18	10.37	1.17	-52.98	-13.00	39.98
5132.100	H	35.06	-58.51	11.28	1.47	-48.70	-13.00	35.70
5132.100	V	35.09	-58.37	11.28	1.47	-48.56	-13.00	35.56
QPSK, Frequency: 1732.5 MHz								
181.89	H	43.78	-68.75	0.00	0.25	-69.00	-13.00	56.00
43.81	V	39.25	-55.51	-21.37	0.12	-77.00	-13.00	64.00
3465.000	H	41.55	-56.26	10.39	1.15	-47.02	-13.00	34.02
3465.000	V	36.47	-61.30	10.39	1.15	-52.06	-13.00	39.06
5197.500	H	35.37	-58.76	11.32	1.44	-48.88	-13.00	35.88
5197.500	V	35.33	-58.65	11.32	1.44	-48.77	-13.00	35.77
QPSK, Frequency: 1754.3MHz								
181.92	H	43.98	-68.55	0.00	0.25	-68.80	-13.00	55.80
52.03	V	39.33	-62.87	-13.97	0.13	-76.97	-13.00	63.97
3508.600	H	38.46	-59.36	10.41	1.19	-50.14	-13.00	37.14
3508.600	V	35.69	-62.07	10.41	1.19	-52.85	-13.00	39.85
5262.900	H	35.74	-57.96	11.36	1.47	-48.07	-13.00	35.07
5262.900	V	36.01	-57.46	11.36	1.47	-47.57	-13.00	34.57

LTE Band 5(30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 824.7 MHz								
544.50	H	20.36	-54.59	0.00	0.47	-55.06	-13.00	42.06
697.14	V	22.03	-47.94	0.00	0.55	-48.49	-13.00	35.49
1649.400	H	40.40	-63.93	8.68	0.80	-56.05	-13.00	43.05
1649.400	V	46.64	-57.77	8.68	0.80	-49.89	-13.00	36.89
2474.100	H	48.02	-52.76	9.38	1.00	-44.38	-13.00	31.38
2474.100	V	49.11	-51.62	9.38	1.00	-43.24	-13.00	30.24
3298.800	H	36.02	-60.66	10.32	1.15	-51.49	-13.00	38.49
3298.800	V	35.45	-60.99	10.32	1.15	-51.82	-13.00	38.82
QPSK, Frequency: 836.5 MHz								
876.80	H	21.17	-48.19	0.00	0.60	-48.79	-13.00	35.79
807.52	V	21.67	-45.95	0.00	0.56	-46.51	-13.00	33.51
1673.000	H	43.75	-60.56	8.71	0.85	-52.70	-13.00	39.70
1673.000	V	49.15	-55.26	8.71	0.85	-47.40	-13.00	34.40
2509.500	H	44.87	-55.74	9.42	1.01	-47.33	-13.00	34.33
2509.500	V	45.57	-55.05	9.42	1.01	-46.64	-13.00	33.64
3346.000	H	35.36	-61.80	10.34	1.16	-52.62	-13.00	39.62
3346.000	V	35.46	-61.56	10.34	1.16	-52.38	-13.00	39.38
QPSK, Frequency: 848.3 MHz								
577.91	H	20.54	-53.76	0.00	0.46	-54.22	-13.00	41.22
578.93	V	21.08	-50.62	0.00	0.46	-51.08	-13.00	38.08
1696.600	H	42.49	-61.80	8.74	0.89	-53.95	-13.00	40.95
1696.600	V	48.01	-56.41	8.74	0.89	-48.56	-13.00	35.56
2544.900	H	55.08	-45.26	9.47	1.01	-36.80	-13.00	23.80
2544.900	V	52.78	-47.52	9.47	1.01	-39.06	-13.00	26.06
3393.200	H	35.17	-62.50	10.36	1.19	-53.33	-13.00	40.33
3393.200	V	36.22	-61.41	10.36	1.19	-52.24	-13.00	39.24

LTE Band 7 (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2502.5 MHz								
285.98	H	45.30	-65.75	0.00	0.32	-66.07	-25.00	41.07
46.34	V	39.23	-58.39	-18.49	0.12	-77.00	-25.00	52.00
5005.000	H	35.27	-57.69	11.20	1.47	-47.96	-25.00	22.96
5005.000	V	35.02	-57.80	11.20	1.47	-48.07	-25.00	23.07
7507.500	H	34.68	-55.11	10.90	1.95	-46.16	-25.00	21.16
7507.500	V	35.22	-55.07	10.90	1.95	-46.12	-25.00	21.12
QPSK, Frequency:2535 MHz								
285.98	H	45.17	-65.88	0.00	0.32	-66.20	-25.00	41.20
52.58	V	38.64	-63.82	-13.72	0.13	-77.67	-25.00	52.67
5070.000	H	36.01	-57.18	11.24	1.47	-47.41	-25.00	22.41
5070.000	V	35.23	-57.86	11.24	1.47	-48.09	-25.00	23.09
7605.000	H	35.17	-54.30	10.88	2.01	-45.43	-25.00	20.43
7605.000	V	34.88	-55.31	10.88	2.01	-46.44	-25.00	21.44
QPSK, Frequency: 2567.5 MHz								
285.98	H	44.55	-66.50	0.00	0.32	-66.82	-25.00	41.82
383.93	V	39.69	-66.94	0.00	0.38	-67.32	-25.00	42.32
5135.000	H	34.78	-58.82	11.28	1.47	-49.01	-25.00	24.01
5135.000	V	35.38	-58.11	11.28	1.47	-48.30	-25.00	23.30
7702.500	H	36.01	-53.51	10.86	1.97	-44.62	-25.00	19.62
7702.500	V	35.45	-54.73	10.86	1.97	-45.84	-25.00	20.84

LTE Band 12 (30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 669.7 MHz								
504.68	H	21.24	-54.50	0.00	0.45	-54.95	-13.00	41.95
885.64	V	20.66	-45.70	0.00	0.61	-46.31	-13.00	33.31
1399.400	H	35.62	-68.08	8.22	0.71	-60.57	-13.00	47.57
1399.400	V	35.87	-67.88	8.22	0.71	-60.37	-13.00	47.37
2099.100	H	36.11	-65.77	9.16	0.91	-57.52	-13.00	44.52
2099.100	V	35.70	-66.13	9.16	0.91	-57.88	-13.00	44.88
2798.800	H	52.06	-47.87	9.88	1.04	-39.03	-13.00	26.03
2798.800	V	49.62	-50.18	9.88	1.04	-41.34	-13.00	28.34
QPSK, Frequency:707.5 MHz								
324.20	H	21.35	-57.68	0.00	0.34	-58.02	-13.00	45.02
911.64	V	20.47	-45.43	0.00	0.55	-45.98	-13.00	32.98
1415.000	H	35.87	-67.80	8.26	0.72	-60.26	-13.00	47.26
1415.000	V	35.78	-67.94	8.26	0.72	-60.40	-13.00	47.40
2122.500	H	34.33	-67.66	9.17	0.92	-59.41	-13.00	46.41
2122.500	V	35.69	-66.28	9.17	0.92	-58.03	-13.00	45.03
2830.000	H	48.45	-51.35	9.93	1.06	-42.48	-13.00	29.48
2830.000	V	48.46	-51.27	9.93	1.06	-42.40	-13.00	29.40
QPSK, Frequency: 715.3 MHz								
323.19	H	21.53	-57.52	0.00	0.34	-57.86	-13.00	44.86
912.94	V	20.47	-45.41	0.00	0.56	-45.97	-13.00	32.97
1430.600	H	35.01	-68.62	8.31	0.73	-61.04	-13.00	48.04
1430.600	V	35.99	-67.70	8.31	0.73	-60.12	-13.00	47.12
2145.900	H	35.66	-66.44	9.19	0.93	-58.18	-13.00	45.18
2145.900	V	36.01	-66.10	9.19	0.93	-57.84	-13.00	44.84
2861.200	H	52.34	-47.31	9.98	1.07	-38.40	-13.00	25.40
2861.200	V	52.65	-47.02	9.98	1.07	-38.11	-13.00	25.11

LTE Band 17 (30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 706.5 MHz								
807.32	H	20.93	-50.18	0.00	0.56	-50.74	-13.00	37.74
881.22	V	20.92	-45.51	0.00	0.59	-46.10	-13.00	33.10
1413.000	H	35.69	-67.98	8.26	0.72	-60.44	-13.00	47.44
1413.000	V	36.23	-67.49	8.26	0.72	-59.95	-13.00	46.95
2119.500	H	35.47	-66.50	9.17	0.92	-58.25	-13.00	45.25
2119.500	V	35.08	-66.87	9.17	0.92	-58.62	-13.00	45.62
2826.000	H	45.54	-54.27	9.92	1.06	-45.41	-13.00	32.41
2826.000	V	45.16	-54.58	9.92	1.06	-45.72	-13.00	32.72
QPSK, Frequency:710 MHz								
836.11	H	21.01	-49.38	0.00	0.63	-50.01	-13.00	37.01
519.23	V	20.07	-51.54	0.00	0.41	-51.95	-13.00	38.95
1420.000	H	35.39	-68.27	8.28	0.73	-60.72	-13.00	47.72
1420.000	V	35.78	-67.93	8.28	0.73	-60.38	-13.00	47.38
2130.000	H	35.45	-66.57	9.18	0.92	-58.31	-13.00	45.31
2130.000	V	36.01	-66.00	9.18	0.92	-57.74	-13.00	44.74
2840.000	H	42.72	-57.03	9.94	1.06	-48.15	-13.00	35.15
2840.000	V	43.11	-56.60	9.94	1.06	-47.72	-13.00	34.72
QPSK, Frequency: 713.5 MHz								
568.74	H	20.85	-53.63	0.00	0.46	-54.09	-13.00	41.09
818.72	V	20.22	-47.22	0.00	0.54	-47.76	-13.00	34.76
1427.000	H	35.63	-68.01	8.30	0.73	-60.44	-13.00	47.44
1427.000	V	36.12	-67.57	8.30	0.73	-60.00	-13.00	47.00
2140.500	H	36.33	-65.74	9.18	0.93	-57.49	-13.00	44.49
2140.500	V	35.78	-66.30	9.18	0.93	-58.05	-13.00	45.05
2854.000	H	49.11	-50.58	9.97	1.07	-41.68	-13.00	28.68
2854.000	V	49.60	-50.08	9.97	1.07	-41.18	-13.00	28.18

LTE Band 25 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1850.7 MHz								
181.92	H	45.11	-67.42	0.00	0.25	-67.67	-13.00	54.67
383.93	V	46.17	-60.46	0.00	0.38	-60.84	-13.00	47.84
3701.400	H	35.78	-61.53	10.60	1.25	-52.18	-13.00	39.18
3701.400	V	35.33	-61.96	10.60	1.25	-52.61	-13.00	39.61
5552.100	H	36.02	-57.25	11.44	1.49	-47.30	-13.00	34.30
5552.100	V	35.13	-57.97	11.44	1.49	-48.02	-13.00	35.02
QPSK, Frequency:1882.5 MHz								
286.30	H	44.85	-66.19	0.00	0.32	-66.51	-13.00	53.51
181.89	V	41.02	-68.71	0.00	0.25	-68.96	-13.00	55.96
3765.000	H	34.69	-61.64	10.67	1.25	-52.22	-13.00	39.22
3765.000	V	35.33	-60.88	10.67	1.25	-51.46	-13.00	38.46
5647.500	H	35.27	-58.18	11.32	1.55	-48.41	-13.00	35.41
5647.500	V	34.78	-58.55	11.32	1.55	-48.78	-13.00	35.78
QPSK, Frequency: 1914.3 MHz								
286.31	H	45.06	-65.98	0.00	0.32	-66.30	-13.00	53.30
181.92	V	40.19	-69.54	0.00	0.25	-69.79	-13.00	56.79
3828.600	H	37.45	-58.45	10.73	1.28	-49.00	-13.00	36.00
3828.600	V	35.26	-60.51	10.73	1.28	-51.06	-13.00	38.06
5742.900	H	35.16	-58.32	11.21	1.60	-48.71	-13.00	35.71
5742.900	V	36.27	-57.09	11.21	1.60	-47.48	-13.00	34.48

LTE Band 26 (30MHz-10GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 814.7MHz								
975.78	H	20.54	-46.37	0.00	0.62	-46.99	-13.00	33.99
689.68	V	20.46	-49.65	0.00	0.54	-50.19	-13.00	37.19
1629.400	H	36.23	-68.12	8.66	0.81	-60.27	-13.00	47.27
1629.400	V	42.17	-62.24	8.66	0.81	-54.39	-13.00	41.39
2444.100	H	44.50	-56.39	9.37	1.00	-48.02	-13.00	35.02
2444.100	V	44.45	-56.30	9.37	1.00	-47.93	-13.00	34.93
3258.800	H	35.78	-61.08	10.30	1.17	-51.95	-13.00	38.95
3258.800	V	35.29	-61.32	10.30	1.17	-52.19	-13.00	39.19
QPSK, Frequency:831.5 MHz								
711.79	H	21.04	-52.04	0.00	0.51	-52.55	-13.00	39.55
407.81	V	20.50	-54.74	0.00	0.40	-55.14	-13.00	42.14
1663.000	H	39.72	-64.60	8.70	0.83	-56.73	-13.00	43.73
1663.000	V	44.05	-60.36	8.70	0.83	-52.49	-13.00	39.49
2494.500	H	45.19	-55.51	9.40	1.01	-47.12	-13.00	34.12
2494.500	V	46.04	-54.67	9.40	1.01	-46.28	-13.00	33.28
3326.000	H	36.02	-60.93	10.33	1.16	-51.76	-13.00	38.76
3326.000	V	35.17	-61.60	10.33	1.16	-52.43	-13.00	39.43
QPSK, Frequency: 848.3 MHz								
729.47	H	21.69	-51.03	0.00	0.53	-51.56	-13.00	38.56
699.44	V	20.33	-49.60	0.00	0.55	-50.15	-13.00	37.15
1696.600	H	44.11	-60.18	8.74	0.89	-52.33	-13.00	39.33
1696.600	V	43.47	-60.95	8.74	0.89	-53.10	-13.00	40.10
2544.900	H	44.53	-55.81	9.47	1.01	-47.35	-13.00	34.35
2544.900	V	43.58	-56.72	9.47	1.01	-48.26	-13.00	35.26
3393.200	H	36.17	-61.50	10.36	1.19	-52.33	-13.00	39.33
3393.200	V	35.33	-62.30	10.36	1.19	-53.13	-13.00	40.13

LTE Band 38 (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2572.5MHz								
981.20	H	20.36	-46.42	0.00	0.65	-47.07	-25.00	22.07
685.20	V	20.37	-49.82	0.00	0.53	-50.35	-25.00	25.35
5145.000	H	35.46	-58.22	11.29	1.44	-48.37	-25.00	23.37
5145.000	V	35.78	-57.79	11.29	1.44	-47.94	-25.00	22.94
7717.500	H	36.01	-53.50	10.86	1.99	-44.63	-25.00	19.63
7717.500	V	35.69	-54.44	10.86	1.99	-45.57	-25.00	20.57
QPSK, Frequency:2595 MHz								
712.40	H	21.36	-51.71	0.00	0.51	-52.22	-25.00	27.22
407.25	V	20.35	-54.91	0.00	0.41	-55.32	-25.00	30.32
5190.000	H	38.96	-55.11	11.31	1.44	-45.24	-25.00	20.24
5190.000	V	36.78	-57.14	11.31	1.44	-47.27	-25.00	22.27
7785.000	H	35.12	-54.37	10.84	1.99	-45.52	-25.00	20.52
7785.000	V	35.23	-54.69	10.84	1.99	-45.84	-25.00	20.84
QPSK, Frequency: 2617.5 MHz								
729.35	H	21.66	-51.07	0.00	0.53	-51.60	-25.00	26.60
699.34	V	20.38	-49.55	0.00	0.55	-50.10	-25.00	25.10
5235.000	H	39.11	-54.79	11.34	1.46	-44.91	-25.00	19.91
5235.000	V	36.78	-56.93	11.34	1.46	-47.05	-25.00	22.05
7852.500	H	35.45	-53.74	10.83	2.03	-44.94	-25.00	19.94
7852.500	V	35.39	-54.19	10.83	2.03	-45.39	-25.00	20.39

LTE Band 41 (30MHz-27GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 2537.5 MHz								
181.92	H	46.48	-66.05	0.00	0.25	-66.30	-25.00	41.30
181.92	V	43.77	-65.96	0.00	0.25	-66.21	-25.00	41.21
5075.000	H	36.78	-56.43	11.25	1.48	-46.66	-25.00	21.66
5075.000	V	37.56	-55.55	11.25	1.48	-45.78	-25.00	20.78
7612.500	H	35.12	-54.36	10.88	2.02	-45.50	-25.00	20.50
7612.500	V	35.37	-54.82	10.88	2.02	-45.96	-25.00	20.96
QPSK, Frequency:2595 MHz								
181.92	H	47.10	-65.43	0.00	0.25	-65.68	-25.00	40.68
383.65	V	41.96	-64.68	0.00	0.38	-65.06	-25.00	40.06
5190.000	H	38.78	-55.29	11.31	1.44	-45.42	-25.00	20.42
5190.000	V	37.42	-56.50	11.31	1.44	-46.63	-25.00	21.63
7785.000	H	36.11	-53.38	10.84	1.99	-44.53	-25.00	19.53
7785.000	V	35.28	-54.64	10.84	1.99	-45.79	-25.00	20.79
QPSK, Frequency: 2652.5 MHz								
181.89	H	46.36	-66.17	0.00	0.25	-66.42	-25.00	41.42
181.89	V	43.53	-66.20	0.00	0.25	-66.45	-25.00	41.45
5305.000	H	46.57	-46.87	11.38	1.46	-36.95	-25.00	11.95
5305.000	V	42.96	-50.22	11.38	1.46	-40.30	-25.00	15.30
7957.500	H	36.12	-52.30	10.81	2.09	-43.58	-25.00	18.58
7957.500	V	35.78	-53.09	10.81	2.09	-44.37	-25.00	19.37

LTE Band 66(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1710.7 MHz								
180.39	H	46.26	-66.24	0.00	0.25	-66.49	-13.00	53.49
330.56	V	40.79	-67.23	0.00	0.34	-67.57	-13.00	54.57
3421.400	H	36.16	-61.60	10.37	1.17	-52.40	-13.00	39.40
3421.400	V	36.10	-61.63	10.37	1.17	-52.43	-13.00	39.43
5132.100	H	35.78	-57.79	11.28	1.47	-47.98	-13.00	34.98
5132.100	V	35.69	-57.77	11.28	1.47	-47.96	-13.00	34.96
QPSK, Frequency:1745 MHz								
181.92	H	47.05	-65.48	0.00	0.25	-65.73	-13.00	52.73
293.45	V	42.51	-66.58	0.00	0.33	-66.91	-13.00	53.91
3490.000	H	35.46	-62.38	10.40	1.17	-53.15	-13.00	40.15
3490.000	V	35.77	-62.01	10.40	1.17	-52.78	-13.00	39.78
5235.000	H	36.02	-57.88	11.34	1.46	-48.00	-13.00	35.00
5235.000	V	35.15	-58.56	11.34	1.46	-48.68	-13.00	35.68
QPSK, Frequency: 1779.3 MHz								
179.93	H	46.62	-65.87	0.00	0.25	-66.12	-13.00	53.12
344.72	V	40.38	-67.27	0.00	0.37	-67.64	-13.00	54.64
3558.600	H	35.15	-62.52	10.46	1.22	-53.28	-13.00	40.28
3558.600	V	36.37	-61.20	10.46	1.22	-51.96	-13.00	38.96
5337.900	H	35.45	-58.02	11.40	1.47	-48.09	-13.00	35.09
5337.900	V	35.89	-57.44	11.40	1.47	-47.51	-13.00	34.51

Note:

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

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