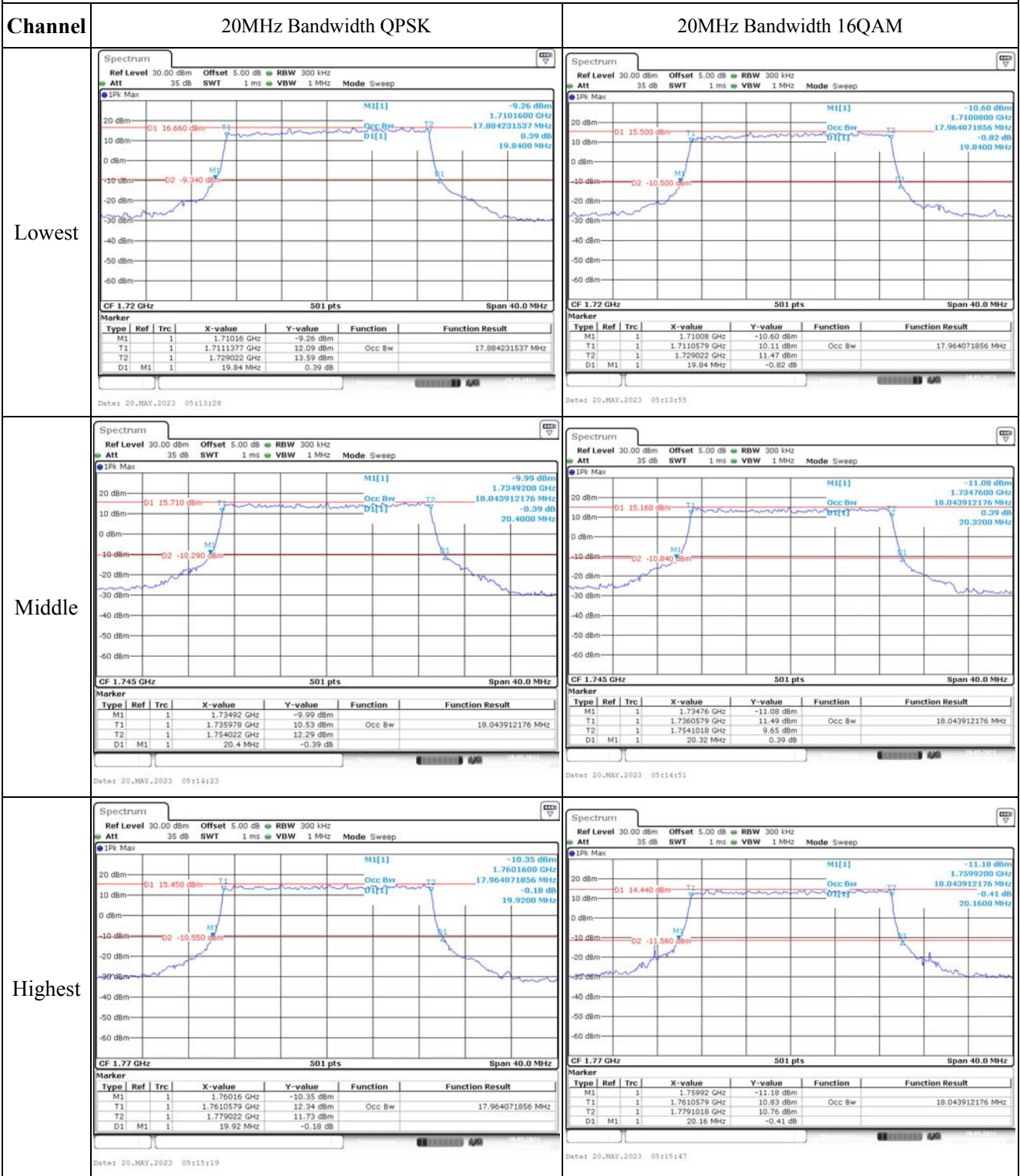


Occupied Bandwidth

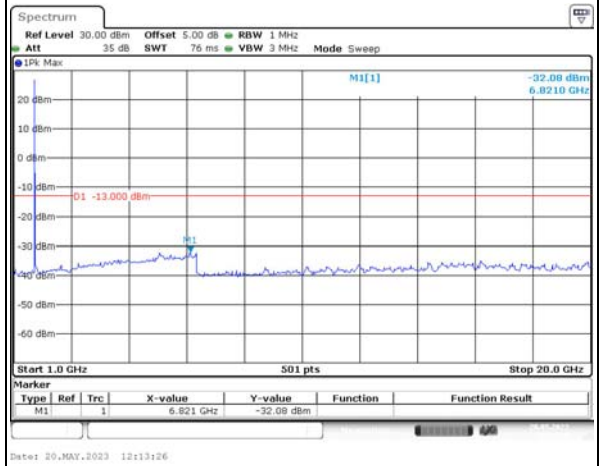
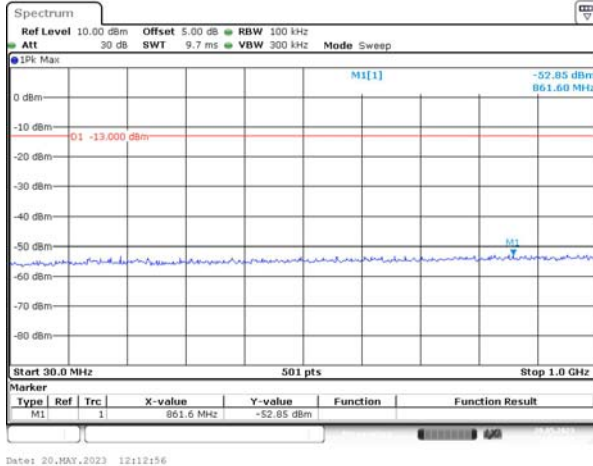


Spurious Emissions at Antenna Terminal

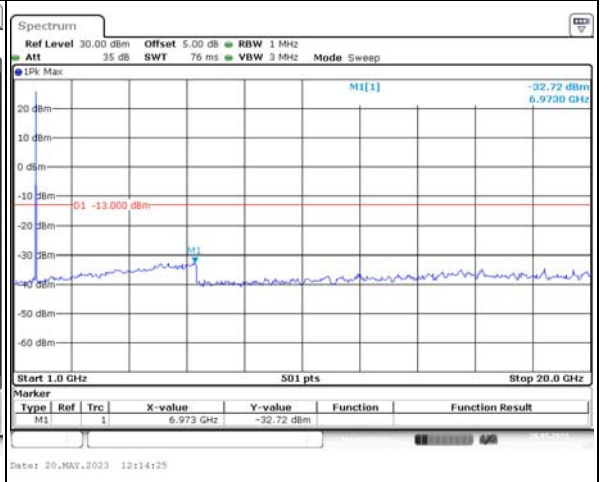
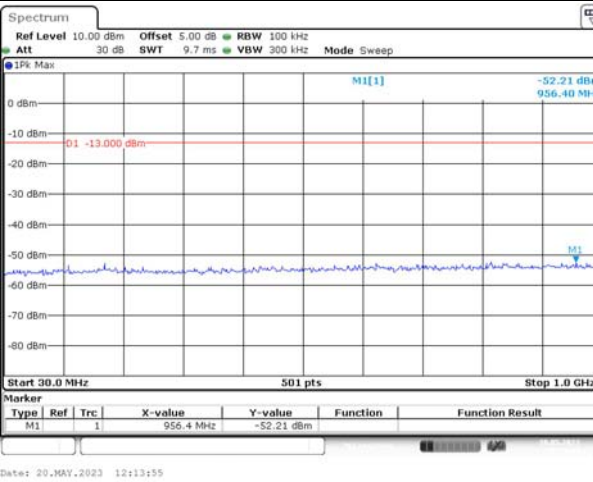
Channel

1.4MHz Bandwidth QPSK

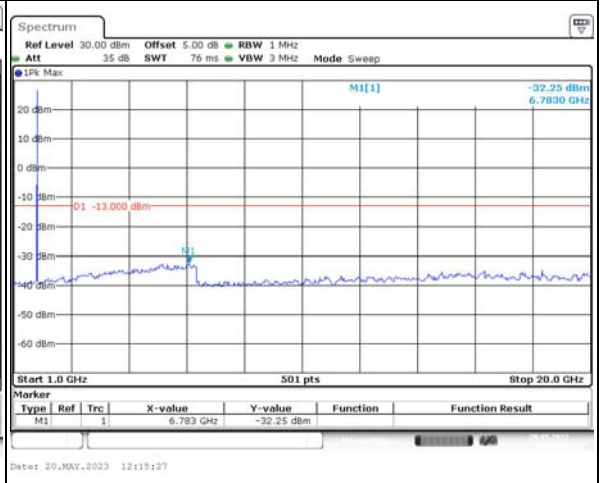
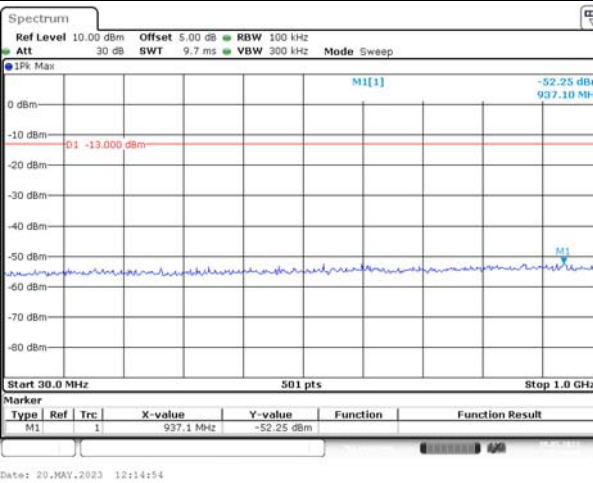
Lowest



Middle



Highest

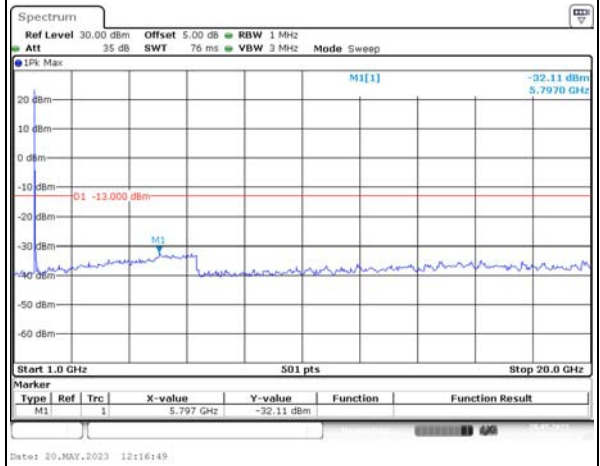
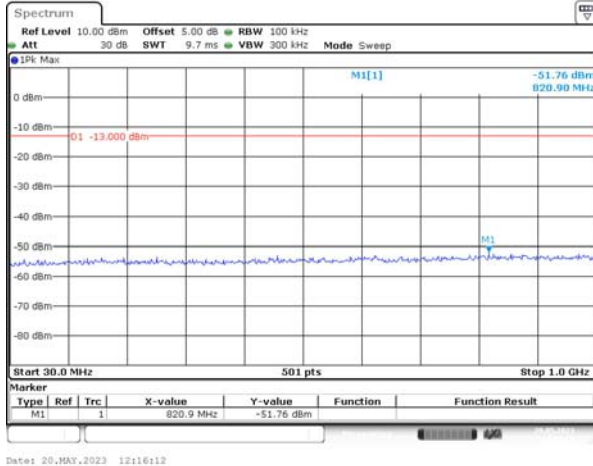


Spurious Emissions at Antenna Terminal

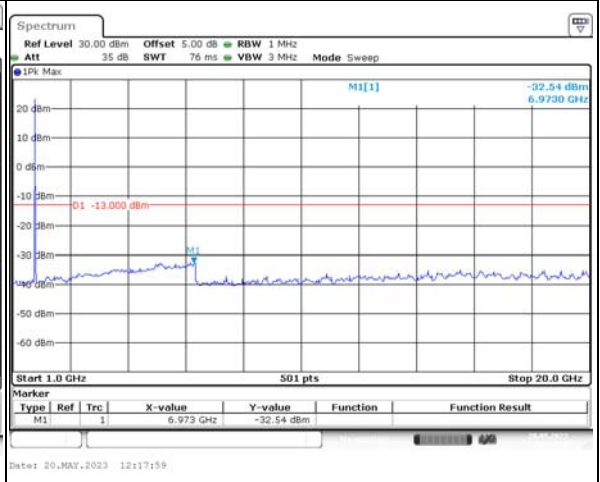
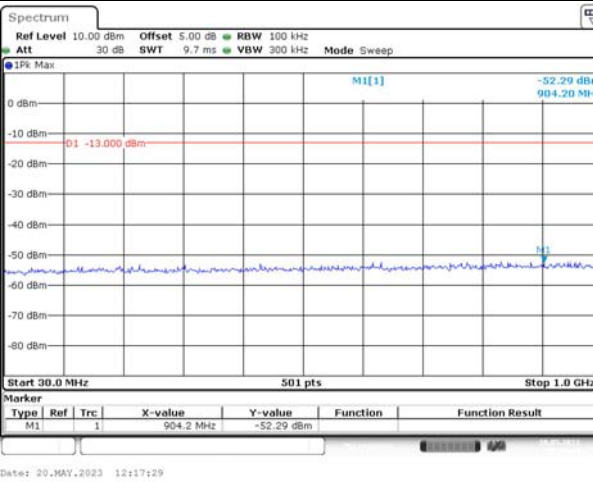
Channel

3MHz Bandwidth QPSK

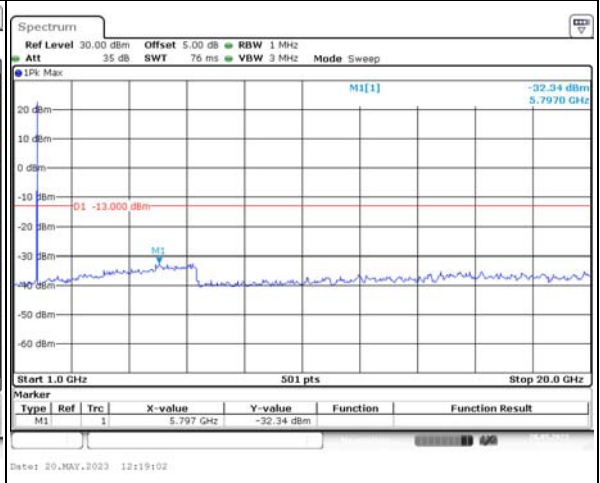
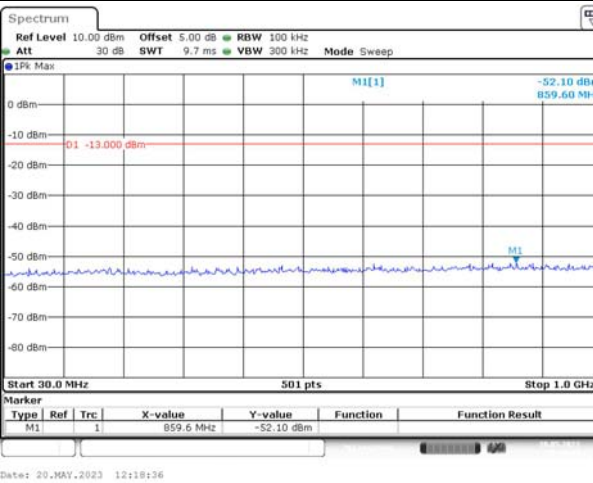
Lowest



Middle



Highest

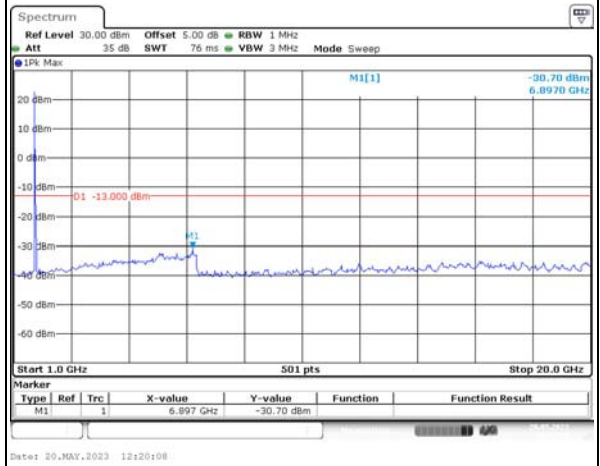
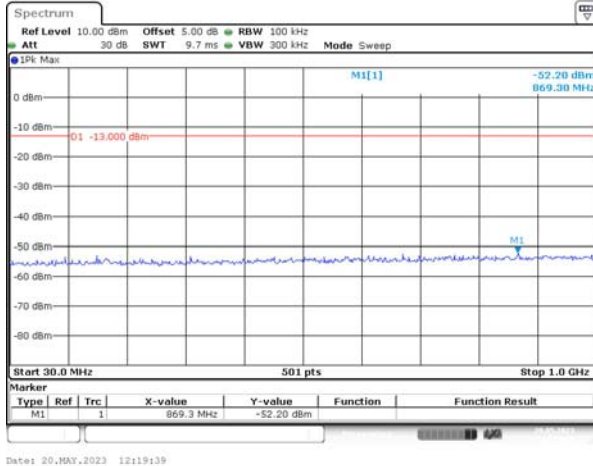


Spurious Emissions at Antenna Terminal

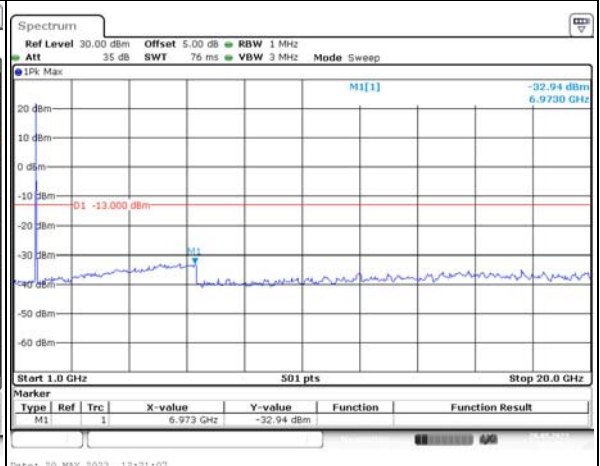
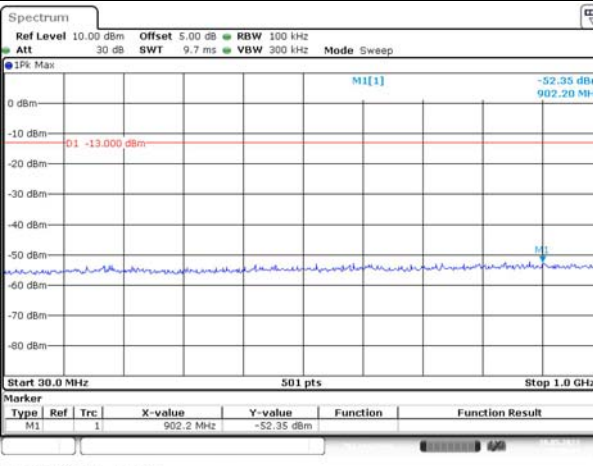
Channel

5MHz Bandwidth QPSK

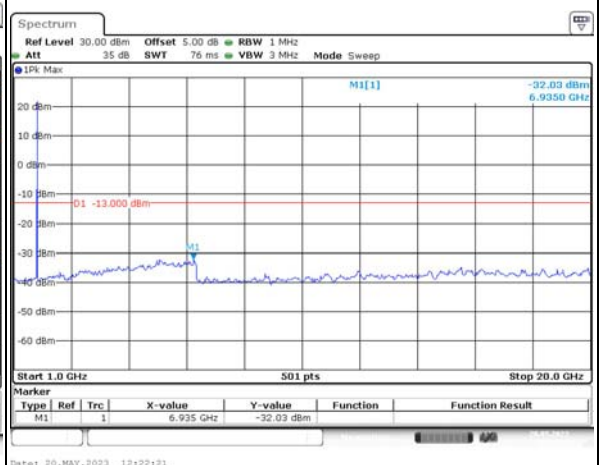
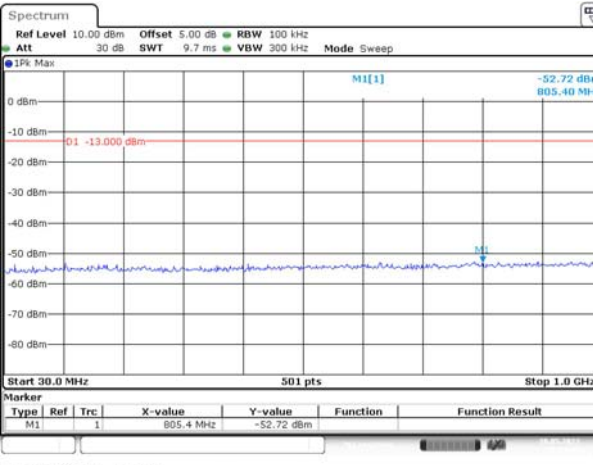
Lowest



Middle



Highest

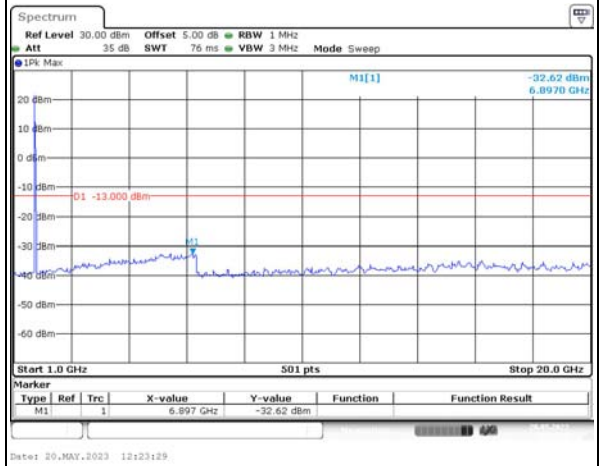
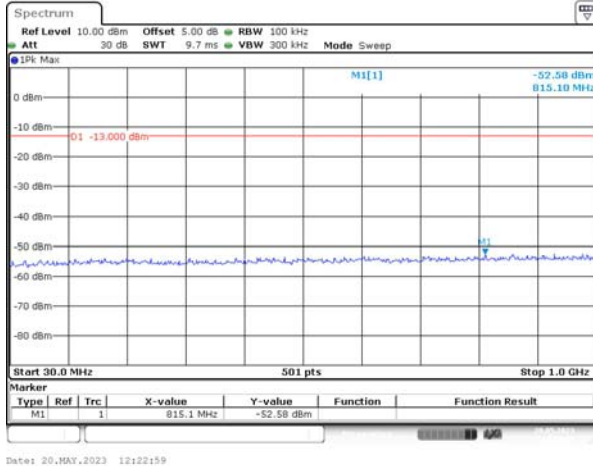


Spurious Emissions at Antenna Terminal

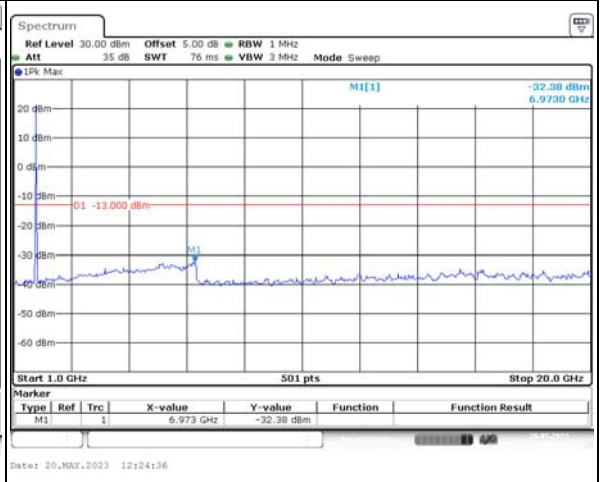
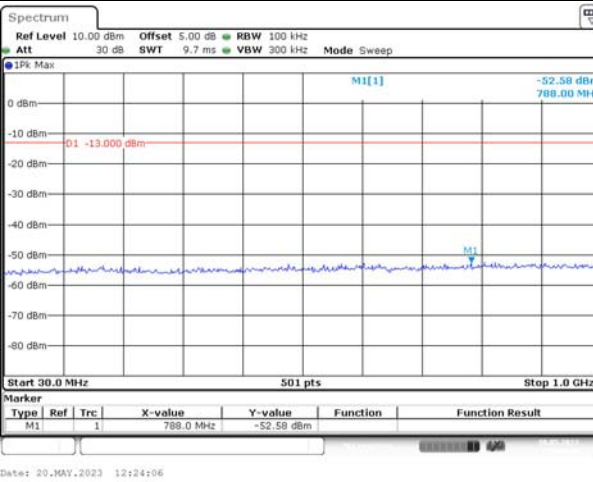
Channel

10MHz Bandwidth QPSK

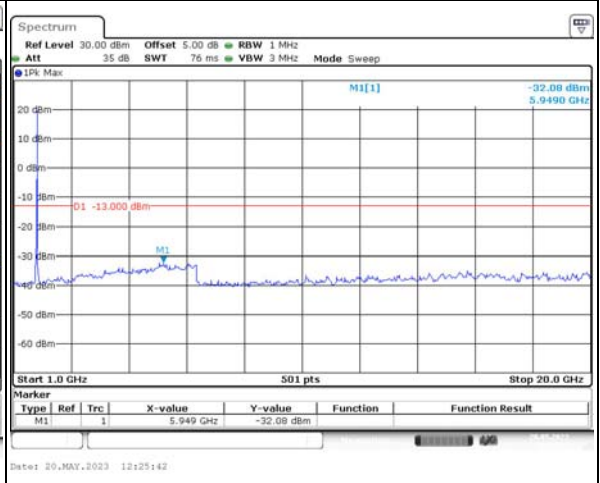
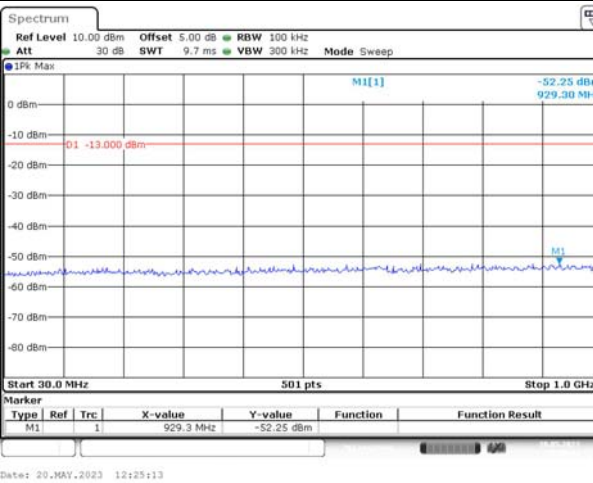
Lowest



Middle



Highest

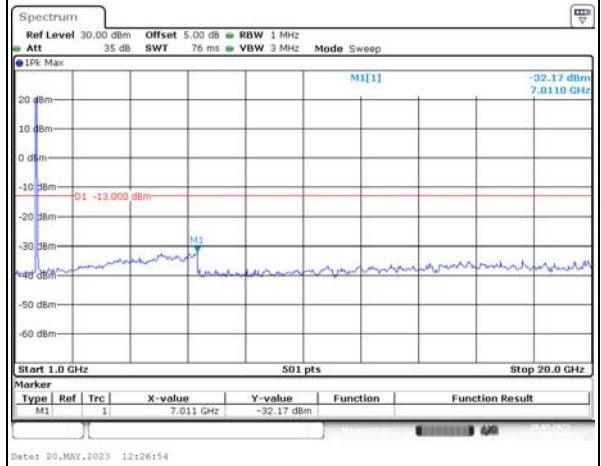
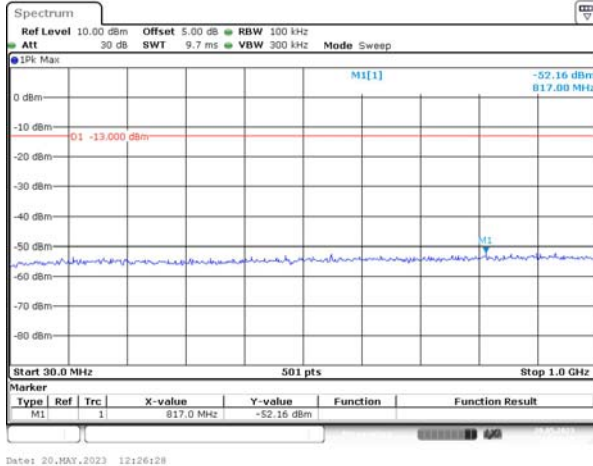


Spurious Emissions at Antenna Terminal

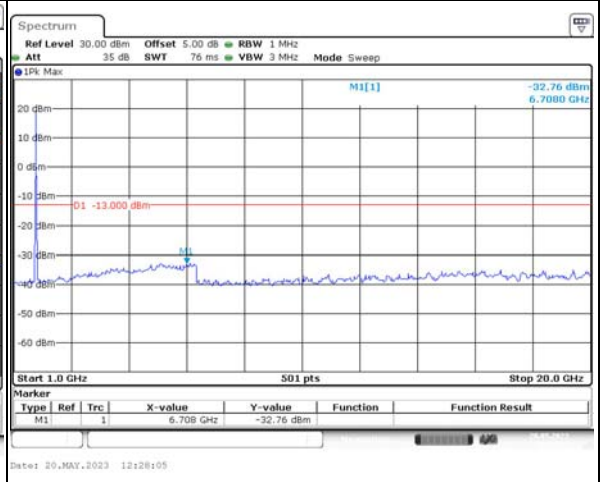
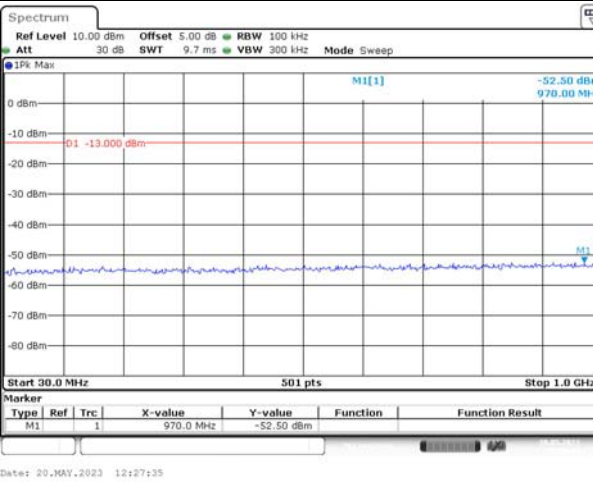
Channel

15MHz Bandwidth QPSK

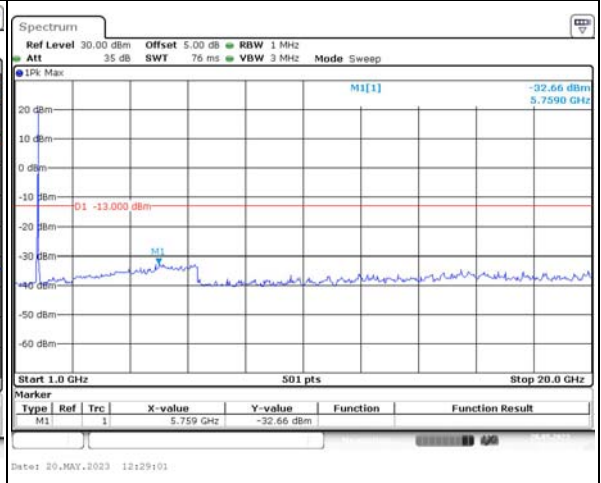
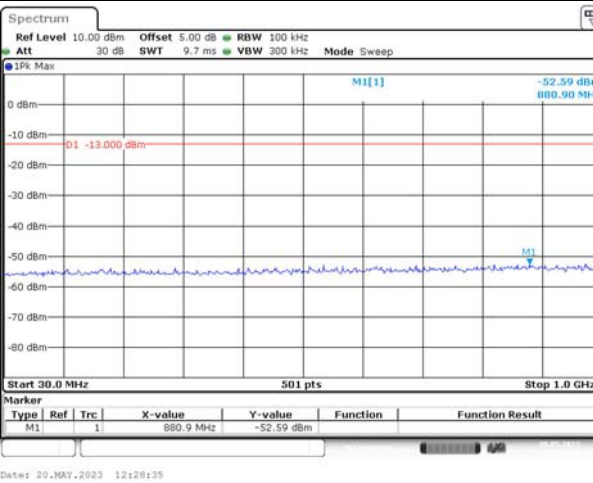
Lowest



Middle



Highest

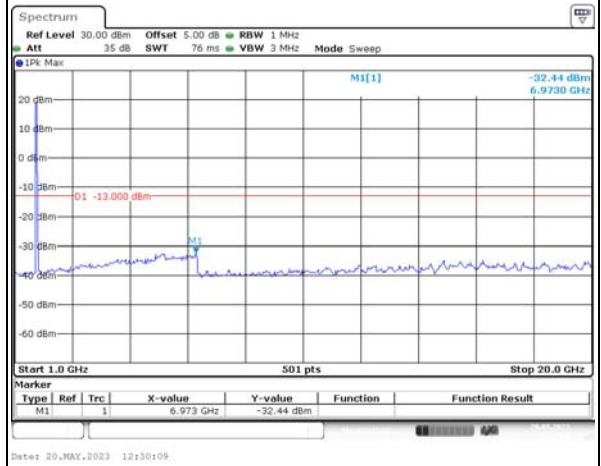
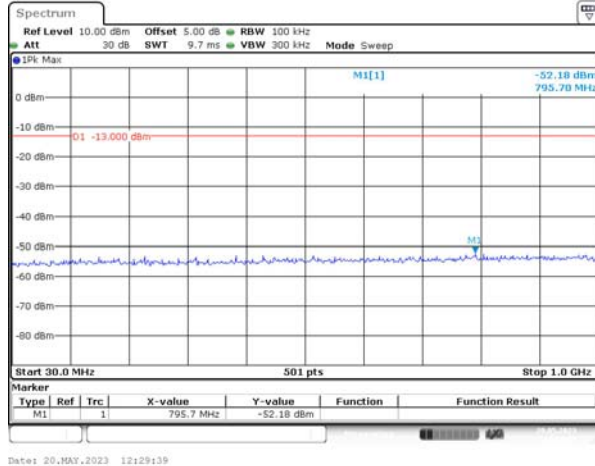


Spurious Emissions at Antenna Terminal

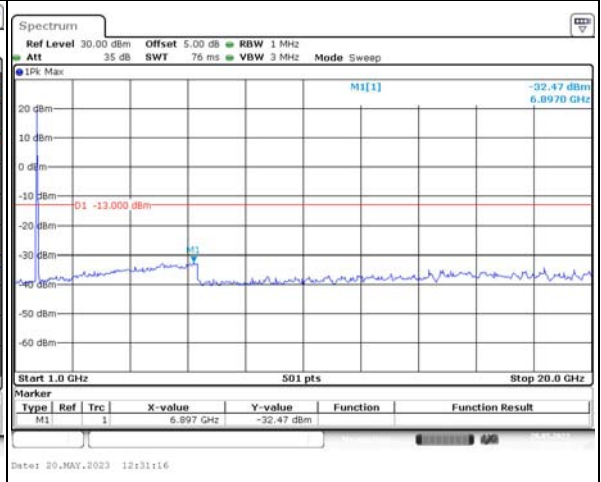
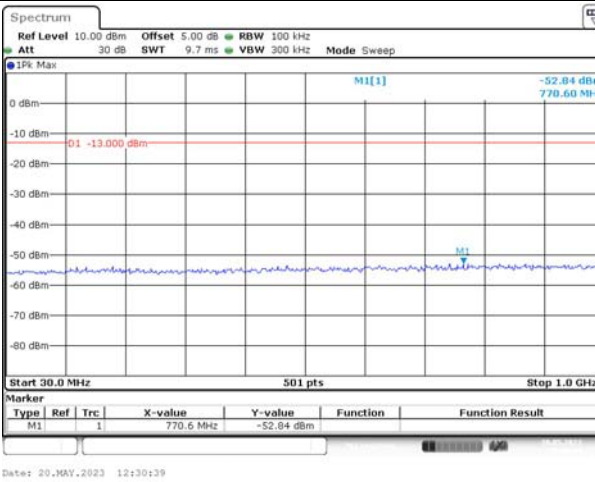
Channel

20MHz Bandwidth QPSK

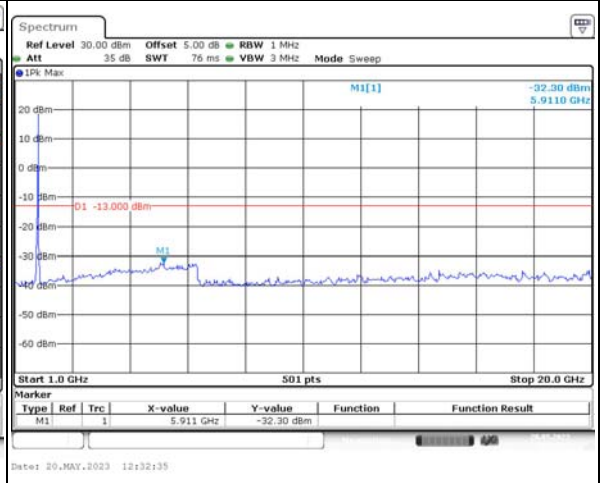
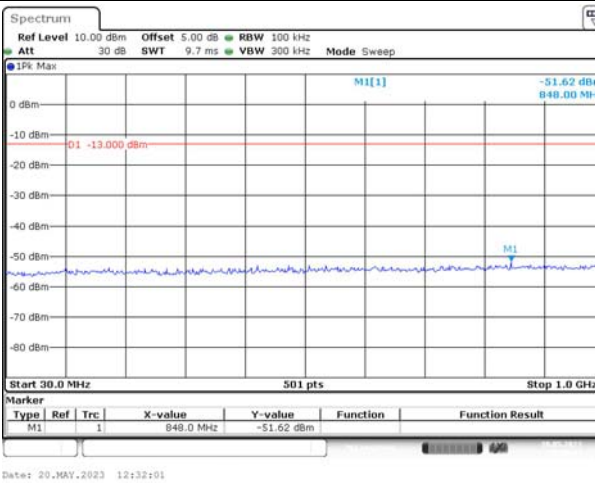
Lowest



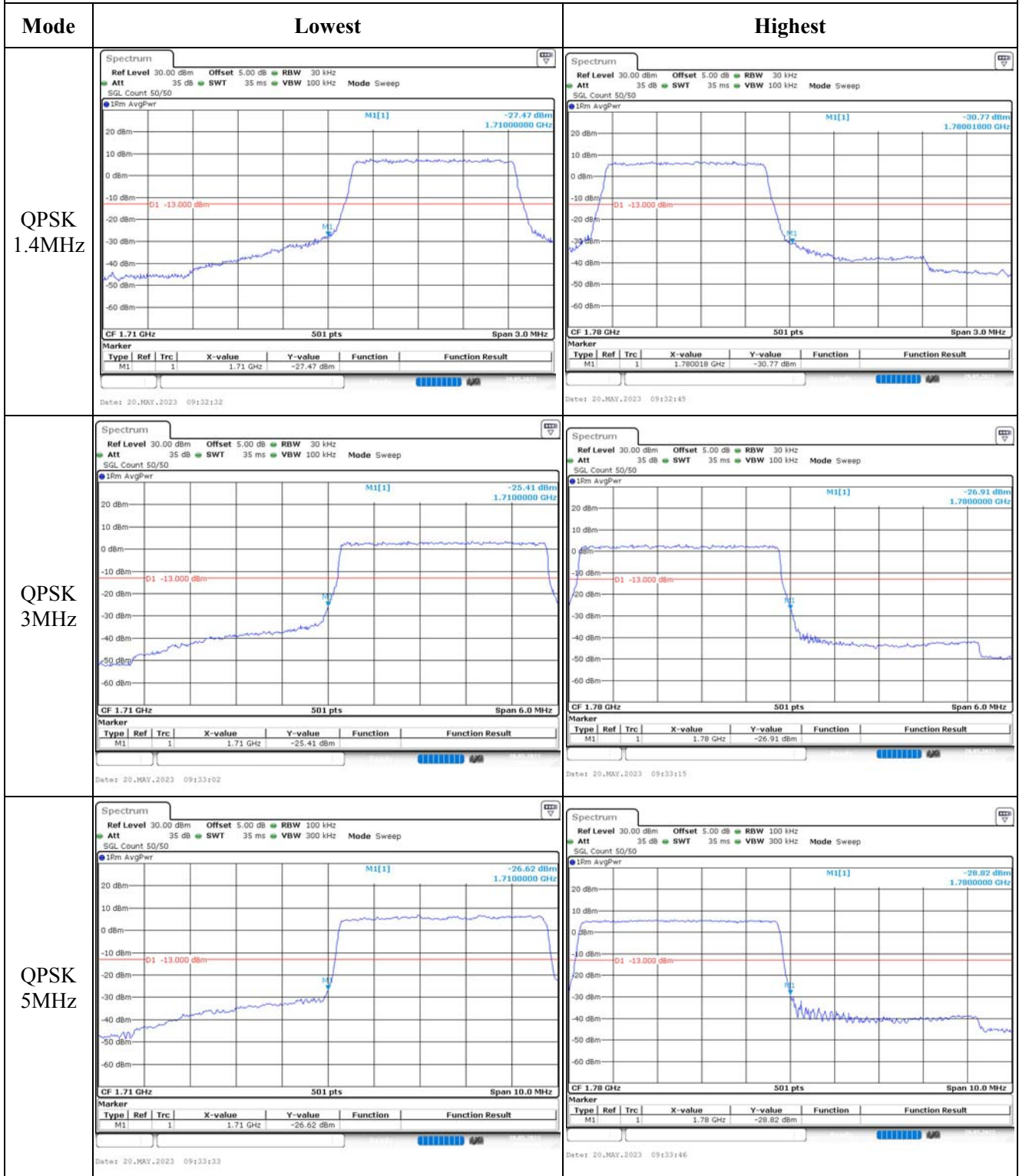
Middle



Highest



Out of band emission, Band Edge



Out of band emission, Band Edge

Mode	Lowest	Highest
QPSK 10MHz		
QPSK 15MHz		
QPSK 20MHz		

Out of band emission, Band Edge

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

Out of band emission, Band Edge

Mode	Lowest	Highest
16QAM 10MHz	<p>Ref Level 30.00 dBm Offset 5.00 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 15m AvgPwr CF 1.71 GHz 501 pts Span 20.0 MHz Marker M1[1] 1.7100000 GHz -33.44 dBm Date: 20.MAY.2023 09:34:11</p>	<p>Ref Level 30.00 dBm Offset 5.00 dB RBW 100 kHz Att 35 dB SWT 35 ms VBW 300 kHz Mode Sweep SGL Count 50/50 15m AvgPwr CF 1.78 GHz 501 pts Span 20.0 MHz Marker M1[1] 1.7800400 GHz -33.75 dBm Date: 20.MAY.2023 09:34:26</p>
16QAM 15MHz	<p>Ref Level 30.00 dBm Offset 5.00 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SGL Count 50/50 15m AvgPwr CF 1.71 GHz 501 pts Span 30.0 MHz Marker M1[1] 1.7100000 GHz -30.60 dBm Date: 20.MAY.2023 09:34:45</p>	<p>Ref Level 30.00 dBm Offset 5.00 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SGL Count 50/50 15m AvgPwr CF 1.78 GHz 501 pts Span 30.0 MHz Marker M1[1] 1.7800000 GHz -31.89 dBm Date: 20.MAY.2023 09:34:59</p>
16QAM 20MHz	<p>Ref Level 30.00 dBm Offset 5.00 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SGL Count 50/50 15m AvgPwr CF 1.71 GHz 501 pts Span 40.0 MHz Marker M1[1] 1.7100000 GHz -33.15 dBm Date: 20.MAY.2023 09:35:19</p>	<p>Ref Level 30.00 dBm Offset 5.00 dB RBW 300 kHz Att 35 dB SWT 35 ms VBW 1 MHz Mode Sweep SGL Count 50/50 15m AvgPwr CF 1.78 GHz 501 pts Span 40.0 MHz Marker M1[1] 1.7800000 GHz -33.35 dBm Date: 20.MAY.2023 09:35:34</p>

4.15 Radiated Spurious Emissions

Serial Number:	25TQ-7	Test Date:	2023/05/28~2023/06/06
Test Site:	996-1, 966-2	Test Mode:	Transmitting
Tester:	Vic Du, Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.4~27.2	Relative Humidity: (%)	58~62	ATM Pressure: (kPa)	100.2~100.3
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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	2022/11/18	2023/11/17
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.

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

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								
929.01	H	21.63	-46.43	0.00	0.63	-47.06	-13.00	34.06
869.13	V	23.86	-42.77	0.00	0.58	-43.35	-13.00	30.35
1648.400	H	46.90	-57.43	8.68	0.80	-49.55	-13.00	36.55
1648.400	V	48.96	-55.45	8.68	0.80	-47.57	-13.00	34.57
2472.600	H	39.95	-60.83	9.38	1.00	-52.45	-13.00	39.45
2472.600	V	41.65	-59.08	9.38	1.00	-50.70	-13.00	37.70
3296.800	H	40.97	-55.71	10.32	1.15	-46.54	-13.00	33.54
3296.800	V	39.41	-57.03	10.32	1.15	-47.86	-13.00	34.86
GSM 850 Frequency:836.6MHz								
679.96	H	21.92	-51.51	0.00	0.52	-52.03	-13.00	39.03
881.35	V	24.86	-41.57	0.00	0.59	-42.16	-13.00	29.16
1673.200	H	50.38	-53.93	8.71	0.85	-46.07	-13.00	33.07
1673.200	V	49.58	-54.83	8.71	0.85	-46.97	-13.00	33.97
2509.800	H	35.47	-65.14	9.42	1.01	-56.73	-13.00	43.73
2509.800	V	42.94	-57.68	9.42	1.01	-49.27	-13.00	36.27
3346.400	H	38.49	-58.68	10.34	1.16	-49.50	-13.00	36.50
3346.400	V	39.67	-57.36	10.34	1.16	-48.18	-13.00	35.18
GSM 850 Frequency:848.8MHz								
932.27	H	21.17	-46.81	0.00	0.64	-47.45	-13.00	34.45
893.86	V	25.55	-40.68	0.00	0.66	-41.34	-13.00	28.34
1697.600	H	47.26	-57.03	8.74	0.90	-49.19	-13.00	36.19
1697.600	V	50.80	-53.62	8.74	0.90	-45.78	-13.00	32.78
2546.400	H	39.86	-60.47	9.47	1.01	-52.01	-13.00	39.01
2546.400	V	44.31	-55.97	9.47	1.01	-47.51	-13.00	34.51
3395.200	H	37.44	-60.25	10.36	1.19	-51.08	-13.00	38.08
3395.200	V	39.05	-58.61	10.36	1.19	-49.44	-13.00	36.44

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	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								
714.28	H	20.24	-52.79	0.00	0.50	-53.29	-13.00	40.29
584.99	V	21.20	-50.51	0.00	0.46	-50.97	-13.00	37.97
1652.800	H	37.28	-67.05	8.68	0.81	-59.18	-13.00	46.18
1652.800	V	36.02	-68.39	8.68	0.81	-60.52	-13.00	47.52
2479.200	H	36.23	-64.53	9.39	1.01	-56.15	-13.00	43.15
2479.200	V	35.78	-64.95	9.39	1.01	-56.57	-13.00	43.57
3305.600	H	35.46	-61.27	10.32	1.15	-52.10	-13.00	39.10
3305.600	V	36.11	-60.39	10.32	1.15	-51.22	-13.00	38.22
WCDMA Band 5 Frequency:836.6MHz								
605.85	H	20.02	-53.81	0.00	0.49	-54.30	-13.00	41.30
654.39	V	20.96	-49.79	0.00	0.52	-50.31	-13.00	37.31
1673.200	H	36.11	-68.20	8.71	0.85	-60.34	-13.00	47.34
1673.200	V	35.78	-68.63	8.71	0.85	-60.77	-13.00	47.77
2509.800	H	35.36	-65.25	9.42	1.01	-56.84	-13.00	43.84
2509.800	V	36.45	-64.17	9.42	1.01	-55.76	-13.00	42.76
3346.400	H	36.03	-61.14	10.34	1.16	-51.96	-13.00	38.96
3346.400	V	35.44	-61.59	10.34	1.16	-52.41	-13.00	39.41
WCDMA Band 5 Frequency:846.6MHz								
714.41	H	20.09	-52.94	0.00	0.50	-53.44	-13.00	40.44
724.38	V	21.33	-48.06	0.00	0.51	-48.57	-13.00	35.57
1693.200	H	36.74	-67.56	8.73	0.89	-59.72	-13.00	46.72
1693.200	V	36.53	-67.89	8.73	0.89	-60.05	-13.00	47.05
2539.800	H	35.28	-65.10	9.46	1.01	-56.65	-13.00	43.65
2539.800	V	35.46	-64.88	9.46	1.01	-56.43	-13.00	43.43
3386.400	H	36.17	-61.42	10.35	1.18	-52.25	-13.00	39.25
3386.400	V	35.02	-62.52	10.35	1.18	-53.35	-13.00	40.35

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

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
GSM 1900 Frequency:1850.2MHz								
241.68	H	44.80	-67.26	0.00	0.29	-67.55	-13.00	54.55
66.50	V	45.56	-58.24	-6.86	0.15	-65.25	-13.00	52.25
3700.400	H	41.12	-56.20	10.60	1.25	-46.85	-13.00	33.85
3700.400	V	40.56	-56.74	10.60	1.25	-47.39	-13.00	34.39
5550.600	H	36.47	-56.79	11.44	1.49	-46.84	-13.00	33.84
5550.600	V	37.41	-55.69	11.44	1.49	-45.74	-13.00	32.74
GSM 1900 Frequency:1880MHz								
245.09	H	44.56	-67.44	0.00	0.30	-67.74	-13.00	54.74
67.44	V	43.15	-60.33	-6.36	0.15	-66.84	-13.00	53.84
3760.000	H	38.45	-57.96	10.66	1.24	-48.54	-13.00	35.54
3760.000	V	41.23	-55.06	10.66	1.24	-45.64	-13.00	32.64
5640.000	H	37.41	-56.04	11.33	1.54	-46.25	-13.00	33.25
5640.000	V	38.26	-55.07	11.33	1.54	-45.28	-13.00	32.28
GSM 1900 Frequency:1909.8MHz								
244.23	H	44.96	-67.05	0.00	0.30	-67.35	-13.00	54.35
66.97	V	44.84	-58.80	-6.61	0.15	-65.56	-13.00	52.56
3819.600	H	39.78	-56.08	10.72	1.29	-46.65	-13.00	33.65
3819.600	V	40.56	-55.16	10.72	1.29	-45.73	-13.00	32.73
5729.400	H	36.26	-57.22	11.22	1.59	-47.59	-13.00	34.59
5729.400	V	37.97	-55.39	11.22	1.59	-45.76	-13.00	32.76

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	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								
269.42	H	45.32	-66.12	0.00	0.31	-66.43	-13.00	53.43
71.07	V	46.03	-57.22	-4.47	0.15	-61.84	-13.00	48.84
3704.800	H	34.12	-63.14	10.60	1.25	-53.79	-13.00	40.79
3704.800	V	35.08	-62.15	10.60	1.25	-52.80	-13.00	39.80
5557.200	H	34.32	-58.96	11.43	1.49	-49.02	-13.00	36.02
5557.200	V	33.89	-59.24	11.43	1.49	-49.30	-13.00	36.30
WCDMA Band II, Frequency: 1880 MHz								
239.99	H	44.57	-67.53	0.00	0.29	-67.82	-13.00	54.82
66.73	V	45.49	-58.23	-6.73	0.15	-65.11	-13.00	52.11
3760.000	H	34.47	-61.94	10.66	1.24	-52.52	-13.00	39.52
3760.000	V	34.13	-62.16	10.66	1.24	-52.74	-13.00	39.74
5640.000	H	35.03	-58.42	11.33	1.54	-48.63	-13.00	35.63
5640.000	V	34.75	-58.58	11.33	1.54	-48.79	-13.00	35.79
WCDMA Band II, Frequency: 1907.6MHz								
240.83	H	44.93	-67.15	0.00	0.29	-67.44	-13.00	54.44
71.08	V	45.58	-57.67	-4.46	0.15	-62.28	-13.00	49.28
3815.200	H	33.77	-62.08	10.72	1.29	-52.65	-13.00	39.65
3815.200	V	34.56	-61.13	10.72	1.29	-51.70	-13.00	38.70
5722.800	H	34.18	-59.31	11.23	1.58	-49.66	-13.00	36.66
5722.800	V	35.21	-58.14	11.23	1.58	-48.49	-13.00	35.49

AWS Band(Part 27)

30 MHz-20 GHz:

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	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								
273.23	H	45.52	-65.83	0.00	0.32	-66.15	-13.00	53.15
66.49	V	46.01	-57.79	-6.86	0.15	-64.80	-13.00	51.80
3424.800	H	35.46	-62.31	10.37	1.17	-53.11	-13.00	40.11
3424.800	V	35.77	-61.97	10.37	1.17	-52.77	-13.00	39.77
5137.200	H	36.01	-57.61	11.28	1.46	-47.79	-13.00	34.79
5137.200	V	34.52	-58.98	11.28	1.46	-49.16	-13.00	36.16
WCDMA Band IV, Frequency:1732.6 MHz								
241.67	H	44.74	-67.32	0.00	0.29	-67.61	-13.00	54.61
67.43	V	45.98	-57.50	-6.36	0.15	-64.01	-13.00	51.01
3465.200	H	35.97	-61.84	10.39	1.15	-52.60	-13.00	39.60
3465.200	V	35.23	-62.54	10.39	1.15	-53.30	-13.00	40.30
5197.800	H	36.01	-58.12	11.32	1.44	-48.24	-13.00	35.24
5197.800	V	35.14	-58.84	11.32	1.44	-48.96	-13.00	35.96
WCDMA Band IV, Frequency:1752.6MHz								
241.67	H	45.10	-66.96	0.00	0.29	-67.25	-13.00	54.25
67.20	V	46.09	-57.47	-6.48	0.15	-64.10	-13.00	51.10
3505.200	H	35.02	-62.81	10.41	1.18	-53.58	-13.00	40.58
3505.200	V	34.89	-62.88	10.41	1.18	-53.65	-13.00	40.65
5257.800	H	36.02	-57.71	11.35	1.47	-47.83	-13.00	34.83
5257.800	V	35.33	-58.18	11.35	1.47	-48.30	-13.00	35.30

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

LTE Band 2 (30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1850.7 MHz								
250.30	H	43.86	-68.03	0.00	0.30	-68.33	-13.00	55.33
71.08	V	44.44	-58.81	-4.46	0.15	-63.42	-13.00	50.42
3701.400	H	45.68	-51.63	10.60	1.25	-42.28	-13.00	29.28
3701.400	V	50.71	-46.58	10.60	1.25	-37.23	-13.00	24.23
5552.100	H	35.36	-57.91	11.44	1.49	-47.96	-13.00	34.96
5552.100	V	35.45	-57.65	11.44	1.49	-47.70	-13.00	34.70
QPSK, Frequency: 1880 MHz								
242.53	H	43.28	-68.77	0.00	0.30	-69.07	-13.00	56.07
70.49	V	44.29	-58.61	-4.76	0.15	-63.52	-13.00	50.52
3760.000	H	43.49	-52.92	10.66	1.24	-43.50	-13.00	30.50
3760.000	V	46.06	-50.23	10.66	1.24	-40.81	-13.00	27.81
5640.000	H	40.98	-52.47	11.33	1.54	-42.68	-13.00	29.68
5640.000	V	37.56	-55.77	11.33	1.54	-45.98	-13.00	32.98
QPSK, Frequency: 1909.3 MHz								
240.83	H	43.79	-68.29	0.00	0.29	-68.58	-13.00	55.58
71.25	V	44.56	-58.80	-4.38	0.15	-63.33	-13.00	50.33
3818.600	H	45.00	-50.86	10.72	1.29	-41.43	-13.00	28.43
3818.600	V	43.75	-51.96	10.72	1.29	-42.53	-13.00	29.53
5727.900	H	44.63	-48.85	11.23	1.59	-39.21	-13.00	26.21
5727.900	V	38.78	-54.58	11.23	1.59	-44.94	-13.00	31.94

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								
248.55	H	43.33	-68.60	0.00	0.30	-68.90	-13.00	55.90
70.83	V	44.46	-58.65	-4.59	0.15	-63.39	-13.00	50.39
3421.400	H	41.30	-56.46	10.37	1.17	-47.26	-13.00	34.26
3421.400	V	41.48	-56.25	10.37	1.17	-47.05	-13.00	34.05
5132.100	H	35.11	-58.46	11.28	1.47	-48.65	-13.00	35.65
5132.100	V	35.46	-58.00	11.28	1.47	-48.19	-13.00	35.19
QPSK, Frequency: 1732.5 MHz								
242.93	H	43.26	-68.78	0.00	0.30	-69.08	-13.00	56.08
70.74	V	44.31	-58.74	-4.63	0.15	-63.52	-13.00	50.52
3465.000	H	44.66	-53.15	10.39	1.15	-43.91	-13.00	30.91
3465.000	V	41.43	-56.34	10.39	1.15	-47.10	-13.00	34.10
5197.500	H	35.16	-58.97	11.32	1.44	-49.09	-13.00	36.09
5197.500	V	35.39	-58.59	11.32	1.44	-48.71	-13.00	35.71
QPSK, Frequency: 1754.3MHz								
248.23	H	43.28	-68.66	0.00	0.30	-68.96	-13.00	55.96
71.17	V	44.12	-59.19	-4.42	0.15	-63.76	-13.00	50.76
3508.600	H	46.24	-51.58	10.41	1.19	-42.36	-13.00	29.36
3508.600	V	44.00	-53.76	10.41	1.19	-44.54	-13.00	31.54
5262.900	H	36.11	-57.59	11.36	1.47	-47.70	-13.00	34.70
5262.900	V	35.23	-58.24	11.36	1.47	-48.35	-13.00	35.35

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								
887.55	H	21.95	-47.14	0.00	0.62	-47.76	-13.00	34.76
143.57	V	20.00	-56.50	0.00	0.22	-56.72	-13.00	43.72
1649.400	H	41.02	-63.31	8.68	0.80	-55.43	-13.00	42.43
1649.400	V	42.20	-62.21	8.68	0.80	-54.33	-13.00	41.33
2474.100	H	42.95	-57.83	9.38	1.00	-49.45	-13.00	36.45
2474.100	V	43.90	-56.83	9.38	1.00	-48.45	-13.00	35.45
3298.800	H	34.44	-62.24	10.32	1.15	-53.07	-13.00	40.07
3298.800	V	34.75	-61.69	10.32	1.15	-52.52	-13.00	39.52
QPSK, Frequency: 836.5 MHz								
605.85	H	20.45	-53.38	0.00	0.49	-53.87	-13.00	40.87
240.28	V	19.50	-60.04	0.00	0.29	-60.33	-13.00	47.33
1673.000	H	42.94	-61.37	8.71	0.85	-53.51	-13.00	40.51
1673.000	V	44.55	-59.86	8.71	0.85	-52.00	-13.00	39.00
2509.500	H	44.39	-56.22	9.42	1.01	-47.81	-13.00	34.81
2509.500	V	44.14	-56.48	9.42	1.01	-48.07	-13.00	35.07
3346.000	H	34.01	-63.15	10.34	1.16	-53.97	-13.00	40.97
3346.000	V	34.28	-62.74	10.34	1.16	-53.56	-13.00	40.56
QPSK, Frequency: 848.3 MHz								
654.38	H	20.79	-52.78	0.00	0.52	-53.30	-13.00	40.30
580.91	V	21.27	-50.43	0.00	0.46	-50.89	-13.00	37.89
1696.600	H	40.88	-63.41	8.74	0.89	-55.56	-13.00	42.56
1696.600	V	43.95	-60.47	8.74	0.89	-52.62	-13.00	39.62
2544.900	H	45.06	-55.28	9.47	1.01	-46.82	-13.00	33.82
2544.900	V	46.01	-54.29	9.47	1.01	-45.83	-13.00	32.83
3393.200	H	34.15	-63.52	10.36	1.19	-54.35	-13.00	41.35
3393.200	V	34.77	-62.86	10.36	1.19	-53.69	-13.00	40.69

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								
244.23	H	44.15	-67.86	0.00	0.30	-68.16	-25.00	43.16
70.58	V	43.06	-59.90	-4.71	0.15	-64.76	-25.00	39.76
5005.000	H	40.19	-52.77	11.20	1.47	-43.04	-25.00	18.04
5005.000	V	40.34	-52.48	11.20	1.47	-42.75	-25.00	17.75
7507.500	H	34.53	-55.26	10.90	1.95	-46.31	-25.00	21.31
7507.500	V	34.28	-56.01	10.90	1.95	-47.06	-25.00	22.06
QPSK, Frequency:2535 MHz								
247.67	H	44.06	-67.89	0.00	0.30	-68.19	-25.00	43.19
70.42	V	43.17	-59.69	-4.79	0.15	-64.63	-25.00	39.63
5070.000	H	43.08	-50.11	11.24	1.47	-40.34	-25.00	15.34
5070.000	V	41.87	-51.22	11.24	1.47	-41.45	-25.00	16.45
7605.000	H	37.24	-52.23	10.88	2.01	-43.36	-25.00	18.36
7605.000	V	38.56	-51.63	10.88	2.01	-42.76	-25.00	17.76
QPSK, Frequency: 2567.5 MHz								
246.81	H	44.61	-67.35	0.00	0.30	-67.65	-25.00	42.65
71.53	V	43.25	-60.27	-4.24	0.15	-64.66	-25.00	39.66
5135.000	H	43.83	-49.77	11.28	1.47	-39.96	-25.00	14.96
5135.000	V	40.81	-52.68	11.28	1.47	-42.87	-25.00	17.87
7702.500	H	40.13	-49.39	10.86	1.97	-40.50	-25.00	15.50
7702.500	V	41.02	-49.16	10.86	1.97	-40.27	-25.00	15.27

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: 699.7 MHz								
721.71	H	20.86	-52.02	0.00	0.50	-52.52	-13.00	39.52
566.74	V	20.54	-51.14	0.00	0.46	-51.60	-13.00	38.60
1399.400	H	50.53	-53.17	8.22	0.71	-45.66	-13.00	32.66
1399.400	V	52.83	-50.92	8.22	0.71	-43.41	-13.00	30.41
2099.100	H	40.11	-61.77	9.16	0.91	-53.52	-13.00	40.52
2099.100	V	42.34	-59.49	9.16	0.91	-51.24	-13.00	38.24
2798.800	H	34.39	-65.54	9.88	1.04	-56.70	-13.00	43.70
2798.800	V	36.45	-63.35	9.88	1.04	-54.51	-13.00	41.51
QPSK, Frequency: 707.5 MHz								
875.05	H	21.10	-48.30	0.00	0.60	-48.90	-13.00	35.90
452.92	V	20.70	-52.75	0.00	0.42	-53.17	-13.00	40.17
1415.000	H	47.20	-56.47	8.26	0.72	-48.93	-13.00	35.93
1415.000	V	49.63	-54.09	8.26	0.72	-46.55	-13.00	33.55
2122.500	H	42.50	-59.49	9.17	0.92	-51.24	-13.00	38.24
2122.500	V	42.35	-59.62	9.17	0.92	-51.37	-13.00	38.37
2830.000	H	35.02	-64.78	9.93	1.06	-55.91	-13.00	42.91
2830.000	V	34.44	-65.29	9.93	1.06	-56.42	-13.00	43.42
QPSK, Frequency: 715.3 MHz								
582.85	H	20.17	-54.03	0.00	0.46	-54.49	-13.00	41.49
268.74	V	20.89	-58.13	0.00	0.31	-58.44	-13.00	45.44
1430.600	H	46.24	-57.39	8.31	0.73	-49.81	-13.00	36.81
1430.600	V	48.42	-55.27	8.31	0.73	-47.69	-13.00	34.69
2145.900	H	43.85	-58.25	9.19	0.93	-49.99	-13.00	36.99
2145.900	V	40.27	-61.84	9.19	0.93	-53.58	-13.00	40.58
2861.200	H	34.47	-65.18	9.98	1.07	-56.27	-13.00	43.27
2861.200	V	34.37	-65.30	9.98	1.07	-56.39	-13.00	43.39

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								
522.88	H	21.28	-54.10	0.00	0.42	-54.52	-13.00	41.52
504.82	V	20.15	-51.44	0.00	0.45	-51.89	-13.00	38.89
1413.000	H	46.56	-57.11	8.26	0.72	-49.57	-13.00	36.57
1413.000	V	47.63	-56.09	8.26	0.72	-48.55	-13.00	35.55
2119.500	H	38.25	-63.72	9.17	0.92	-55.47	-13.00	42.47
2119.500	V	37.41	-64.54	9.17	0.92	-56.29	-13.00	43.29
2826.000	H	34.16	-65.65	9.92	1.06	-56.79	-13.00	43.79
2826.000	V	34.05	-65.69	9.92	1.06	-56.83	-13.00	43.83
QPSK, Frequency: 710 MHz								
584.90	H	20.25	-53.91	0.00	0.46	-54.37	-13.00	41.37
281.27	V	19.99	-58.45	0.00	0.32	-58.77	-13.00	45.77
1420.000	H	48.24	-55.42	8.28	0.73	-47.87	-13.00	34.87
1420.000	V	50.75	-52.96	8.28	0.73	-45.41	-13.00	32.41
2130.000	H	42.19	-59.83	9.18	0.92	-51.57	-13.00	38.57
2130.000	V	38.45	-63.56	9.18	0.92	-55.30	-13.00	42.30
2840.000	H	35.01	-64.74	9.94	1.06	-55.86	-13.00	42.86
2840.000	V	34.06	-65.65	9.94	1.06	-56.77	-13.00	43.77
QPSK, Frequency: 713.5 MHz								
815.85	H	19.08	-51.82	0.00	0.55	-52.37	-13.00	39.37
558.86	V	20.25	-51.42	0.00	0.47	-51.89	-13.00	38.89
1427.000	H	46.97	-56.67	8.30	0.73	-49.10	-13.00	36.10
1427.000	V	50.00	-53.69	8.30	0.73	-46.12	-13.00	33.12
2140.500	H	38.13	-63.94	9.18	0.93	-55.69	-13.00	42.69
2140.500	V	35.78	-66.30	9.18	0.93	-58.05	-13.00	45.05
2854.000	H	34.02	-65.67	9.97	1.07	-56.77	-13.00	43.77
2854.000	V	33.89	-65.79	9.97	1.07	-56.89	-13.00	43.89

LTE Band 38 (30MHz-26.5GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dBμV)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
5MHz QPSK, Frequency: 2572.5 MHz								
250.30	H	43.52	-68.37	0.00	0.30	-68.67	-25.00	43.67
71.58	V	43.70	-59.85	-4.21	0.15	-64.21	-25.00	39.21
5145.000	H	42.71	-50.97	11.29	1.44	-41.12	-25.00	16.12
5145.000	V	41.51	-52.06	11.29	1.44	-42.21	-25.00	17.21
7717.500	H	45.27	-44.24	10.86	1.99	-35.37	-25.00	10.37
7717.500	V	42.76	-47.37	10.86	1.99	-38.50	-25.00	13.50
5MHz QPSK, Frequency: 2595 MHz								
248.95	H	43.29	-68.63	0.00	0.30	-68.93	-25.00	43.93
70.26	V	43.21	-59.56	-4.87	0.15	-64.58	-25.00	39.58
5190.000	H	42.22	-51.85	11.31	1.44	-41.98	-25.00	16.98
5190.000	V	38.67	-55.25	11.31	1.44	-45.38	-25.00	20.38
7785.000	H	45.57	-43.92	10.84	1.99	-35.07	-25.00	10.07
7785.000	V	43.95	-45.97	10.84	1.99	-37.12	-25.00	12.12
5MHz QPSK, Frequency: 2617.5 MHz								
71.08	H	42.65	-61.78	-4.46	0.15	-66.39	-25.00	41.39
242.53	V	43.17	-67.55	0.00	0.30	-67.85	-25.00	42.85
5235.000	H	39.43	-54.47	11.34	1.46	-44.59	-25.00	19.59
5235.000	V	38.78	-54.93	11.34	1.46	-45.05	-25.00	20.05
7852.500	H	52.01	-37.18	10.83	2.03	-28.38	-25.00	3.38
7852.500	V	46.88	-42.70	10.83	2.03	-33.90	-25.00	8.90

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: 2498.5 MHz								
245.95	H	43.46	-68.52	0.00	0.30	-68.82	-25.00	43.82
70.58	V	43.24	-59.72	-4.71	0.15	-64.58	-25.00	39.58
4997.000	H	38.63	-54.31	11.20	1.48	-44.59	-25.00	19.59
4997.000	V	42.80	-50.00	11.20	1.48	-40.28	-25.00	15.28
7495.500	H	35.12	-54.67	10.90	1.94	-45.71	-25.00	20.71
7495.500	V	39.16	-51.13	10.90	1.94	-42.17	-25.00	17.17
QPSK, Frequency:2593 MHz								
246.81	H	43.40	-68.56	0.00	0.30	-68.86	-25.00	43.86
70.83	V	43.46	-59.65	-4.59	0.15	-64.39	-25.00	39.39
5186.000	H	42.10	-51.93	11.31	1.44	-42.06	-25.00	17.06
5186.000	V	41.26	-52.63	11.31	1.44	-42.76	-25.00	17.76
7779.000	H	38.60	-50.89	10.84	1.99	-42.04	-25.00	17.04
7779.000	V	45.85	-44.09	10.84	1.99	-35.24	-25.00	10.24
QPSK, Frequency: 2687.5 MHz								
245.09	H	42.57	-69.43	0.00	0.30	-69.73	-25.00	44.73
70.09	V	43.01	-59.65	-4.96	0.15	-64.76	-25.00	39.76
5375.000	H	43.01	-50.50	11.43	1.49	-40.56	-25.00	15.56
5375.000	V	42.95	-50.55	11.43	1.49	-40.61	-25.00	15.61
8062.500	H	35.24	-52.98	10.81	2.12	-44.29	-25.00	19.29
8062.500	V	34.56	-54.16	10.81	2.12	-45.47	-25.00	20.47

LTE Band 66(30MHz-20GHz):

Frequency (MHz)	Polar (H/V)	Receiver Reading (dB μ V)	Substituted Method			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Substituted Level (dBm)	Antenna Gain (dBd/dBi)	Cable Loss (dB)			
QPSK, Frequency: 1710.7 MHz								
251.18	H	43.22	-68.65	0.00	0.30	-68.95	-13.00	55.95
70.58	V	43.77	-59.19	-4.71	0.15	-64.05	-13.00	51.05
3421.400	H	42.54	-55.22	10.37	1.17	-46.02	-13.00	33.02
3421.400	V	40.19	-57.54	10.37	1.17	-48.34	-13.00	35.34
5132.100	H	35.27	-58.30	11.28	1.47	-48.49	-13.00	35.49
5132.100	V	35.02	-58.44	11.28	1.47	-48.63	-13.00	35.63
QPSK, Frequency:1745 MHz								
247.69	H	43.36	-68.59	0.00	0.30	-68.89	-13.00	55.89
71.08	V	43.02	-60.23	-4.46	0.15	-64.84	-13.00	51.84
3490.000	H	46.01	-51.83	10.40	1.17	-42.60	-13.00	29.60
3490.000	V	44.24	-53.54	10.40	1.17	-44.31	-13.00	31.31
5235.000	H	35.78	-58.12	11.34	1.46	-48.24	-13.00	35.24
5235.000	V	35.36	-58.35	11.34	1.46	-48.47	-13.00	35.47
QPSK, Frequency: 1779.3 MHz								
248.55	H	43.12	-68.81	0.00	0.30	-69.11	-13.00	56.11
71.58	V	42.58	-60.97	-4.21	0.15	-65.33	-13.00	52.33
3558.600	H	45.11	-52.56	10.46	1.22	-43.32	-13.00	30.32
3558.600	V	45.09	-52.48	10.46	1.22	-43.24	-13.00	30.24
5337.900	H	34.26	-59.21	11.40	1.47	-49.28	-13.00	36.28
5337.900	V	34.21	-59.12	11.40	1.47	-49.19	-13.00	36.19

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

6. EUT PHOTOGRAPHS

Please refer to the attachment CR230526341-EXP EUT EXTERNAL PHOTOGRAPHS and CR230526341-INP EUT INTERNAL PHOTOGRAPHS

7. TEST SETUP PHOTOGRAPHS

Please refer to the attachment CR230526341-00E-TSP TEST SETUP PHOTOGRAPHS.

******* END OF REPORT *******