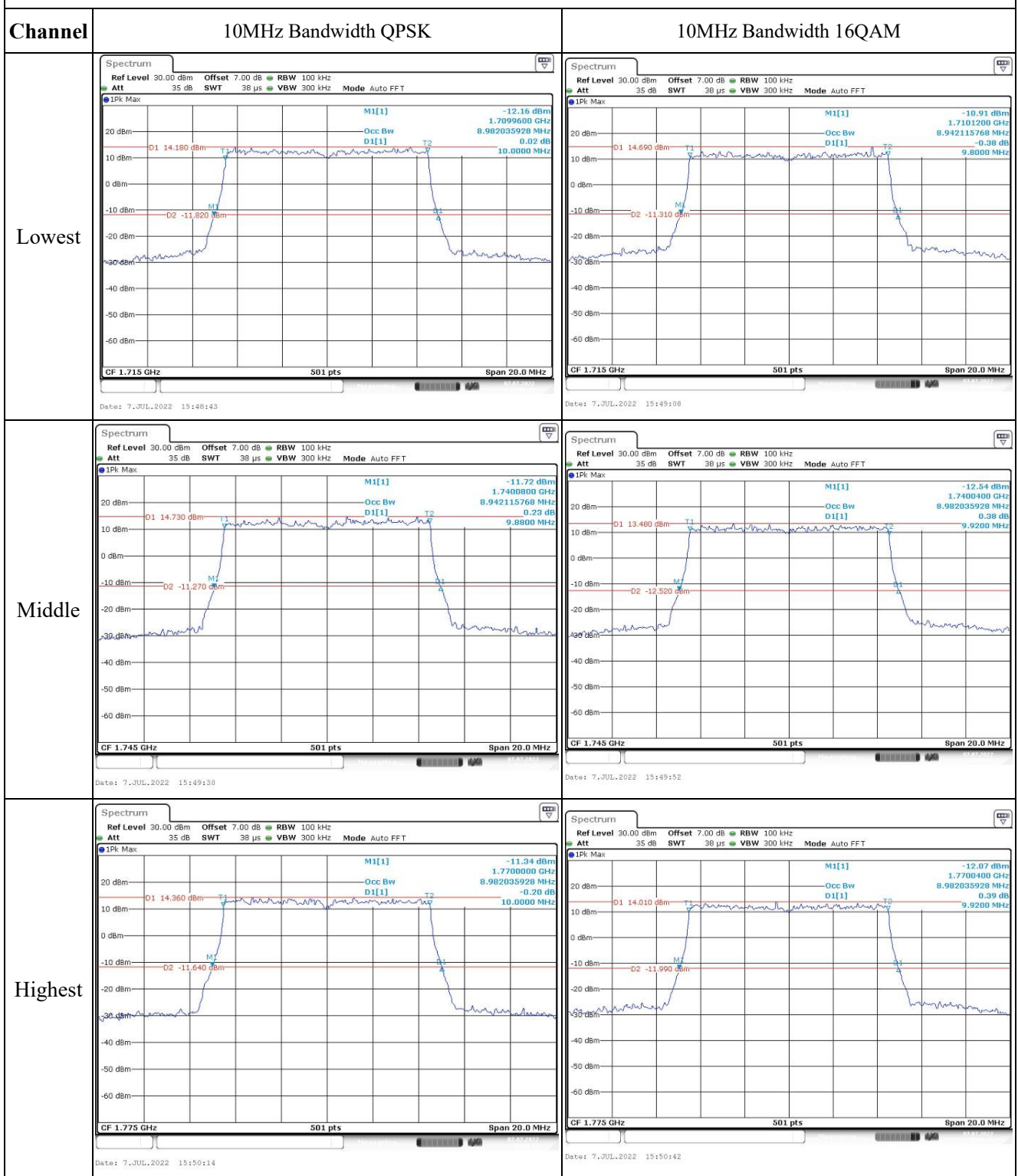
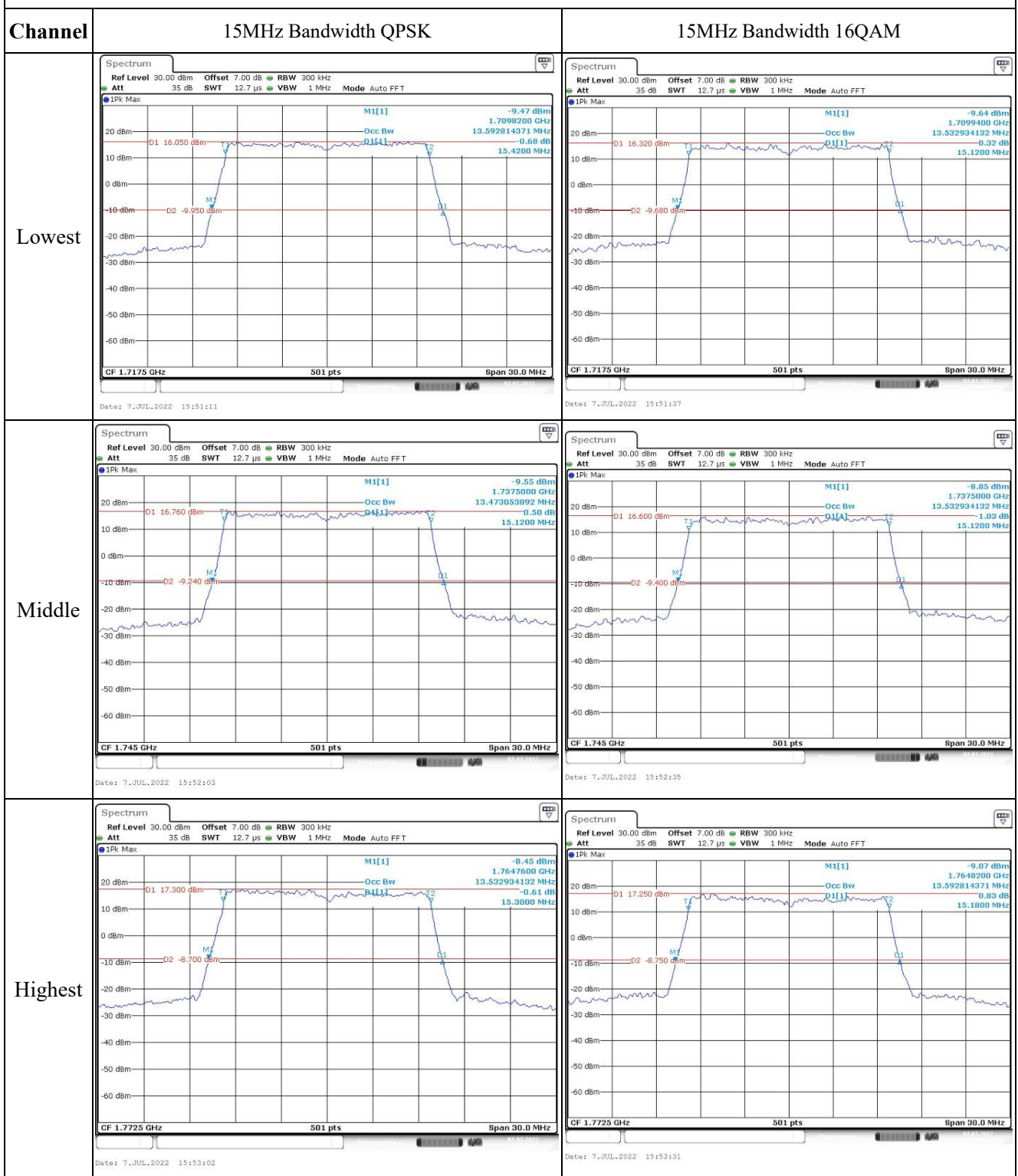


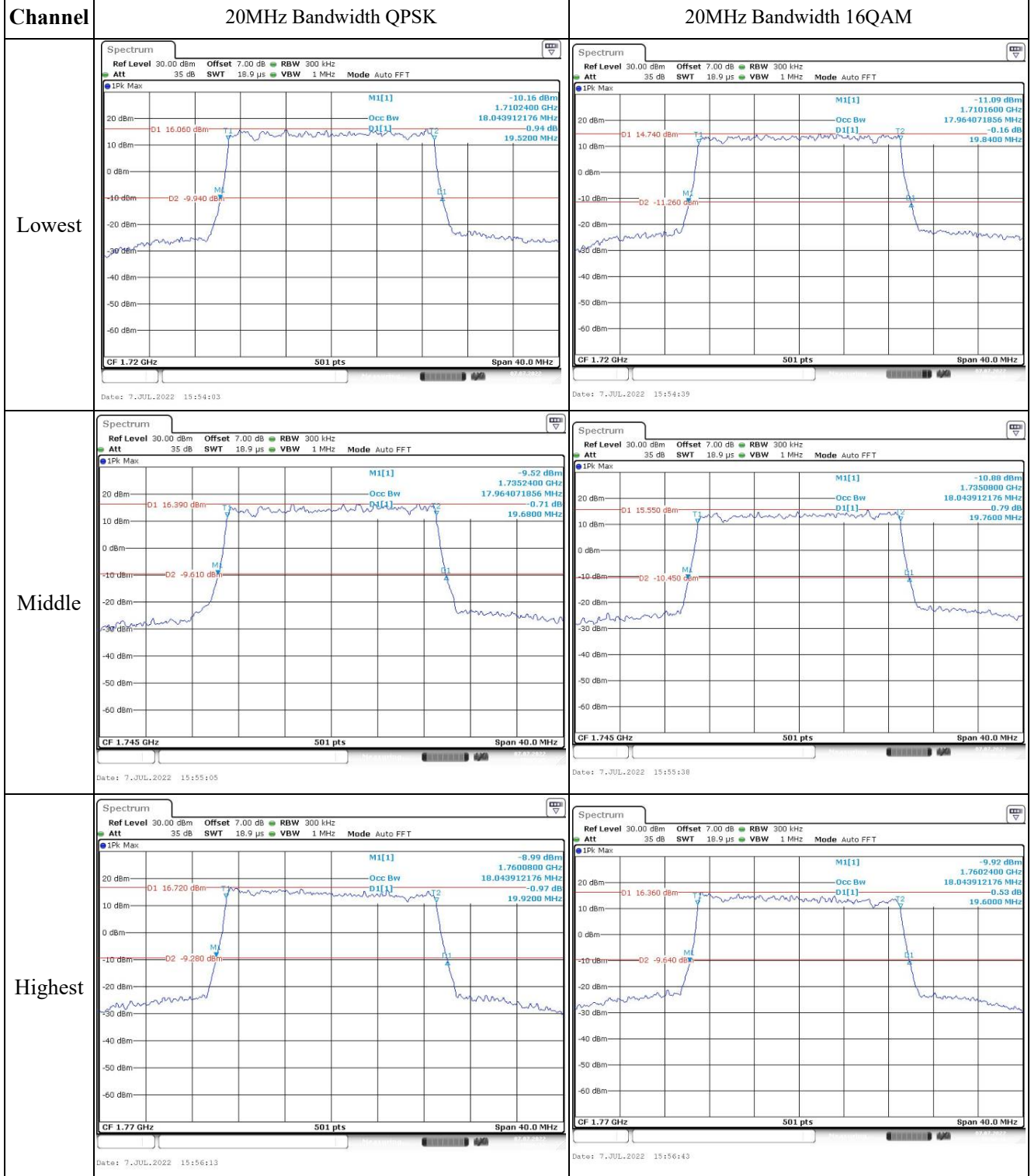
Occupied Bandwidth



Occupied Bandwidth



Occupied Bandwidth

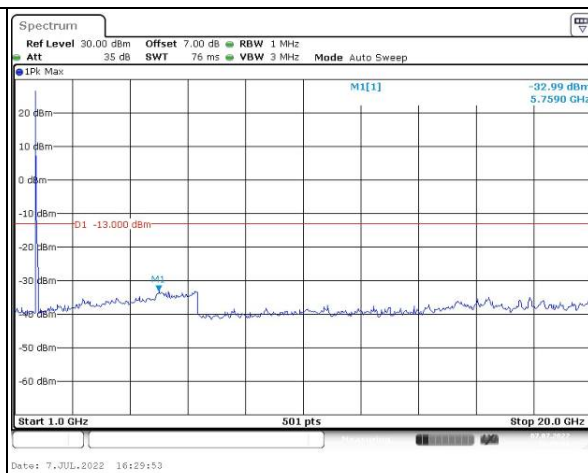
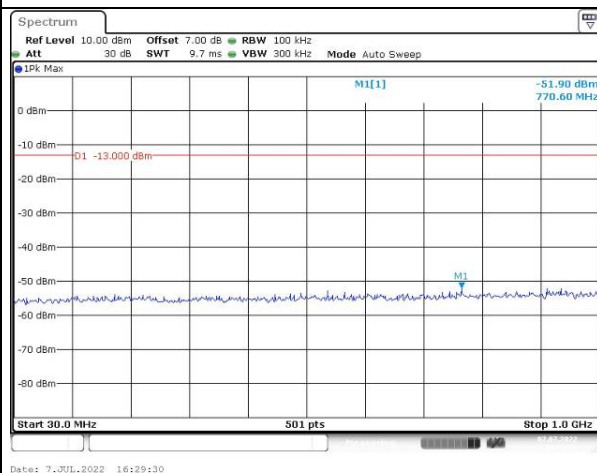


Spurious Emissions at Antenna Terminal

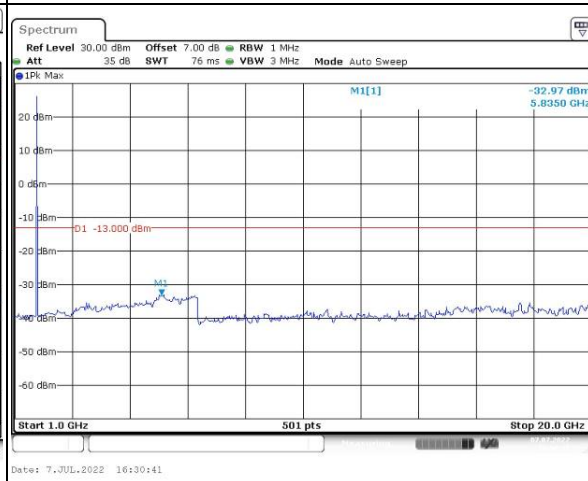
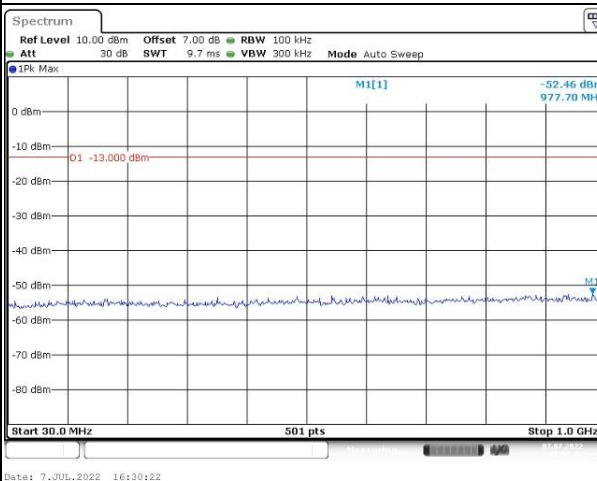
Channel

1.4MHz Bandwidth QPSK

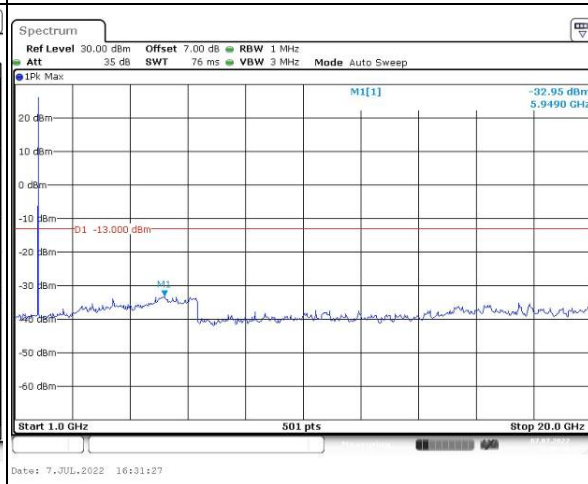
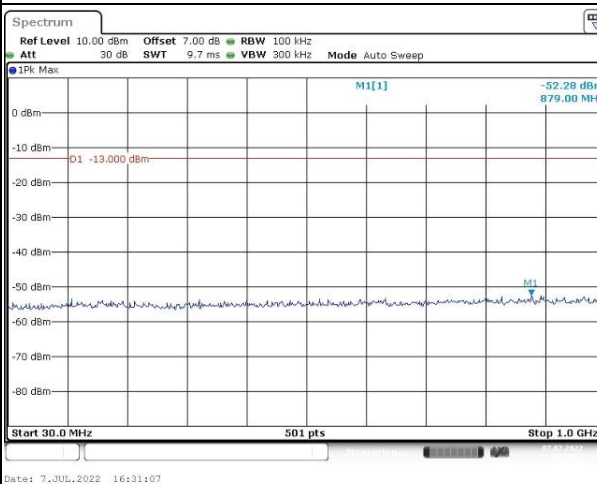
Lowest



Middle



Highest

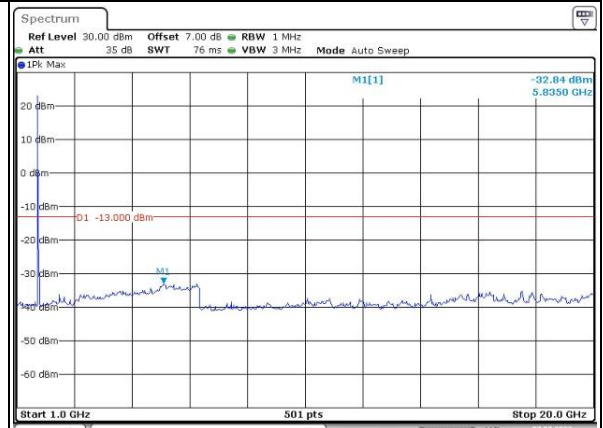
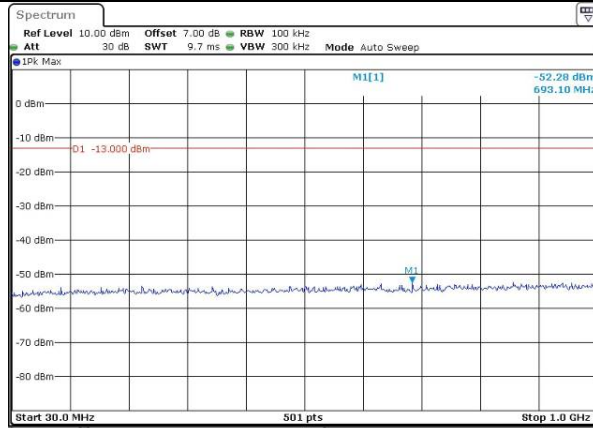


Spurious Emissions at Antenna Terminal

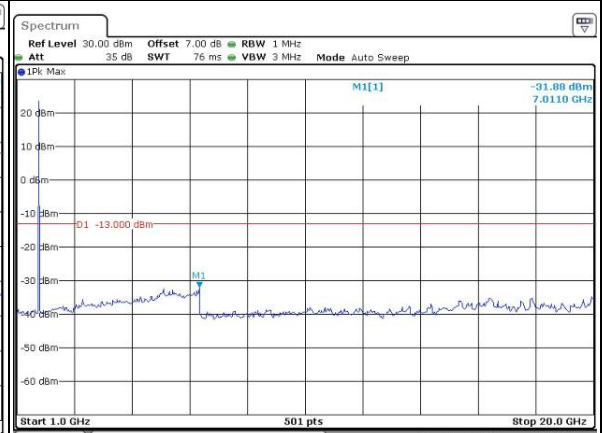
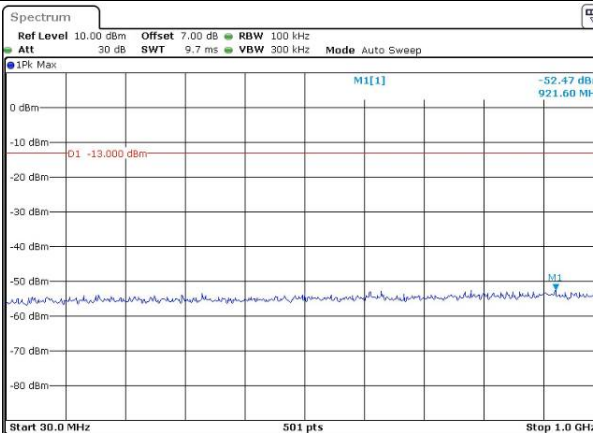
Channel

3MHz Bandwidth QPSK

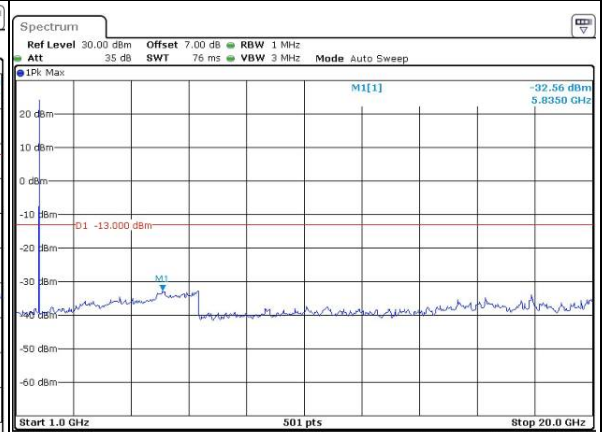
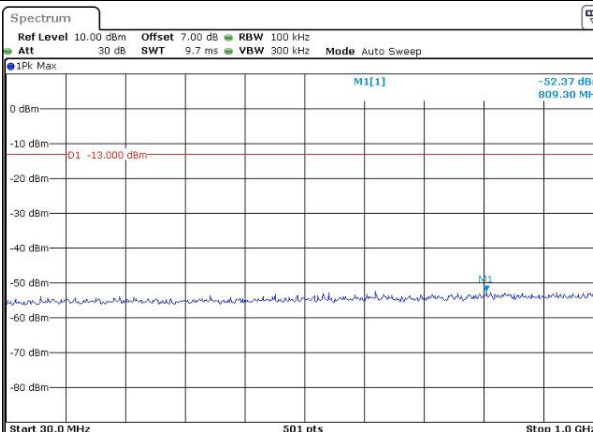
Lowest



Middle



Highest

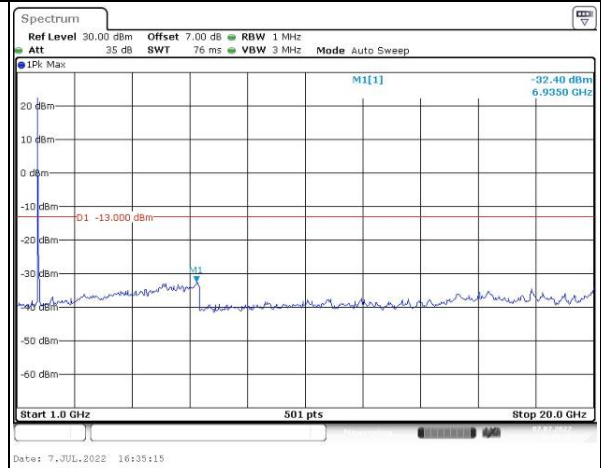
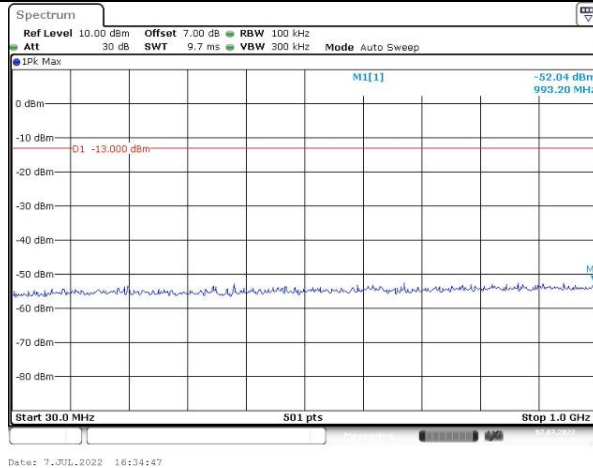


Spurious Emissions at Antenna Terminal

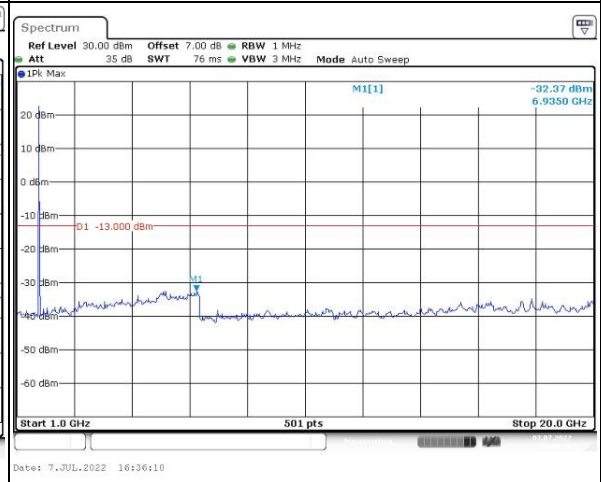
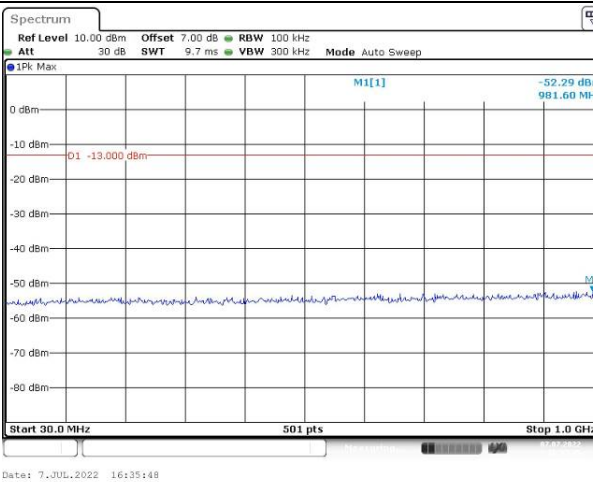
Channel

5MHz Bandwidth QPSK

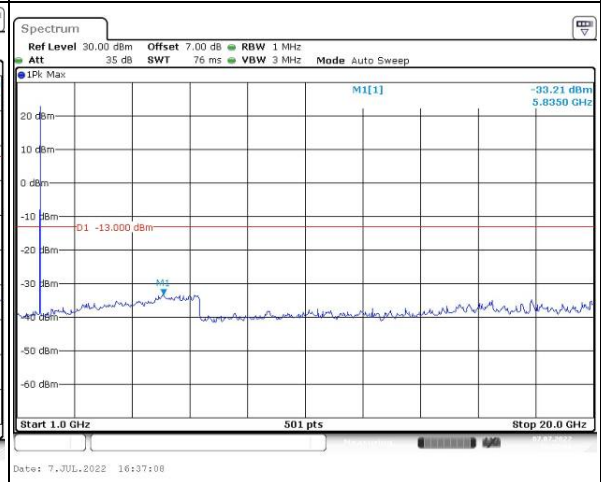
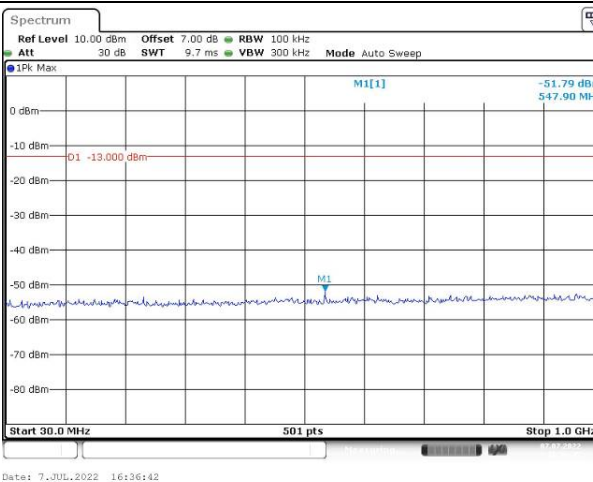
Lowest



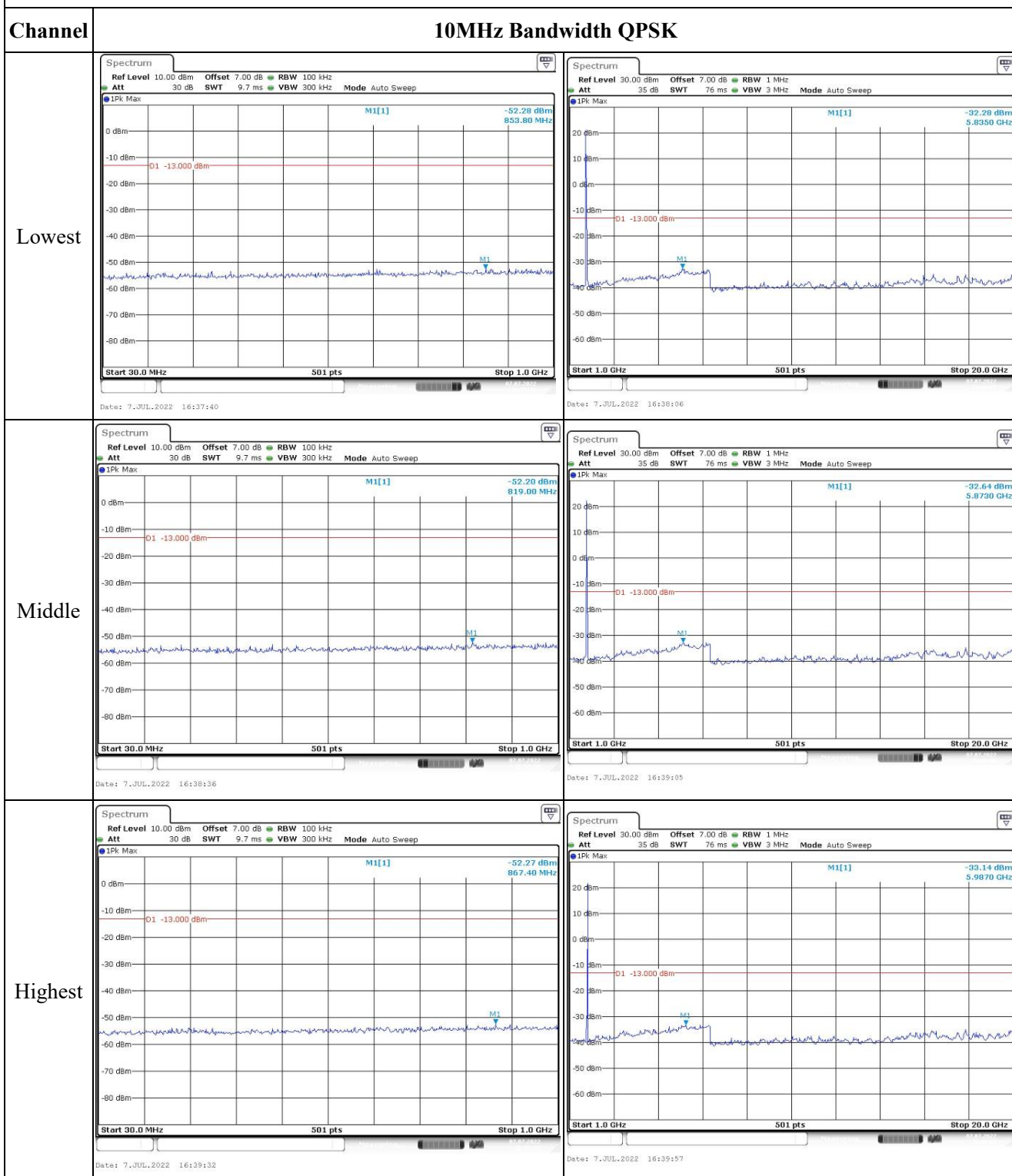
Middle



Highest



Spurious Emissions at Antenna Terminal

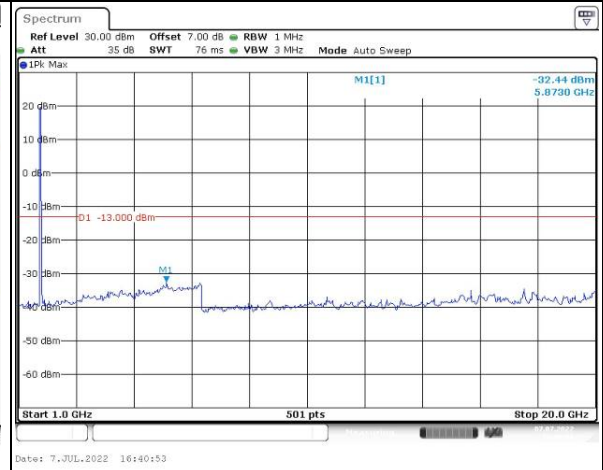
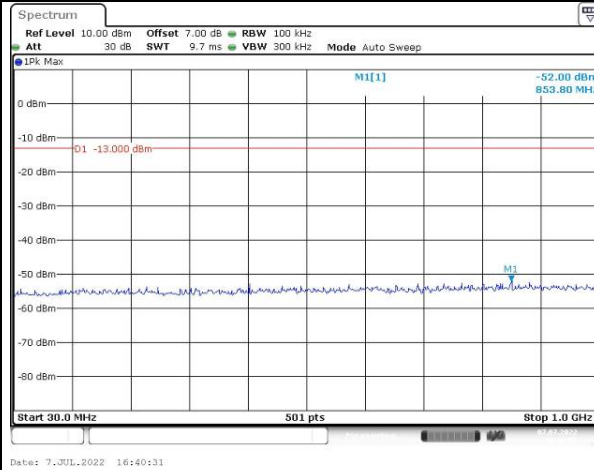


Spurious Emissions at Antenna Terminal

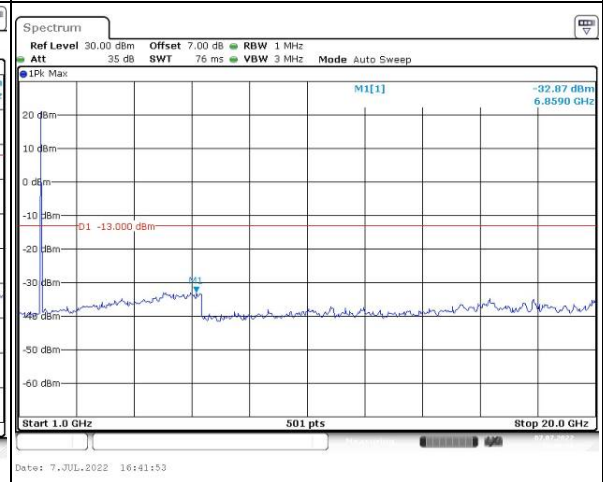
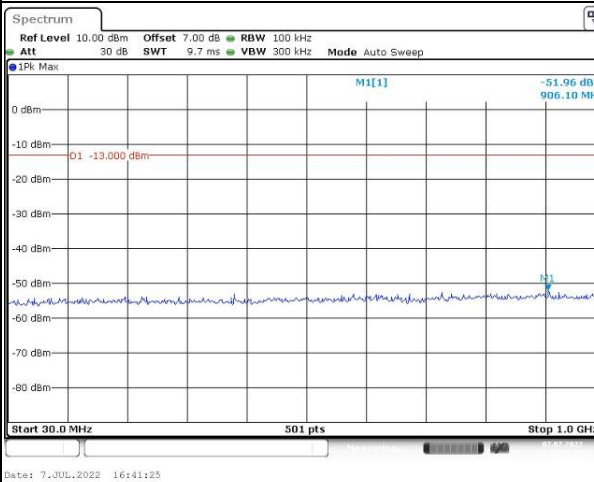
Channel

15MHz Bandwidth QPSK

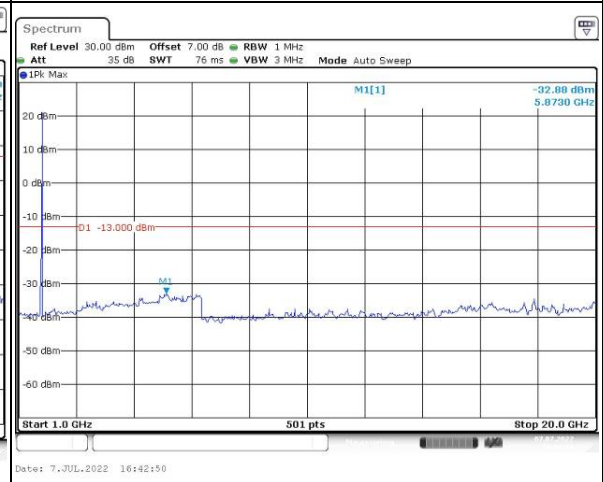
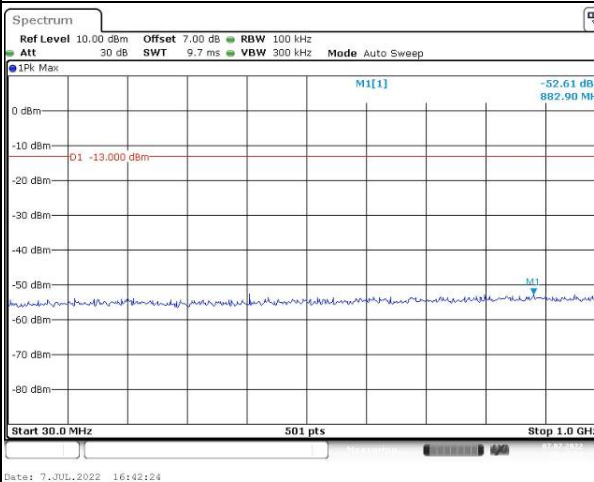
Lowest



Middle



Highest

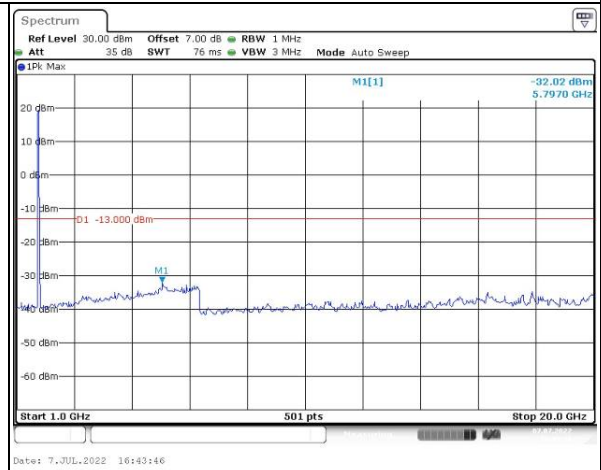
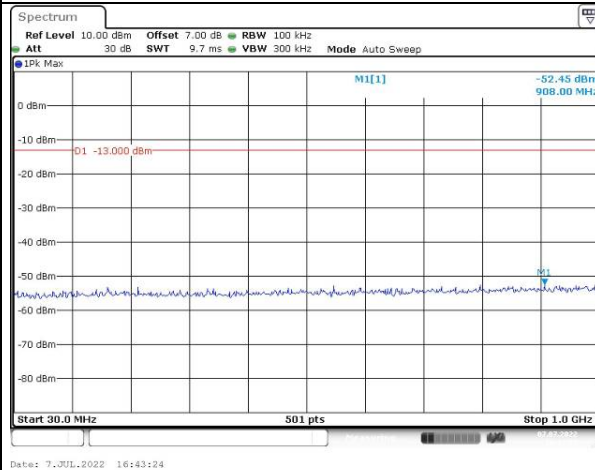


Spurious Emissions at Antenna Terminal

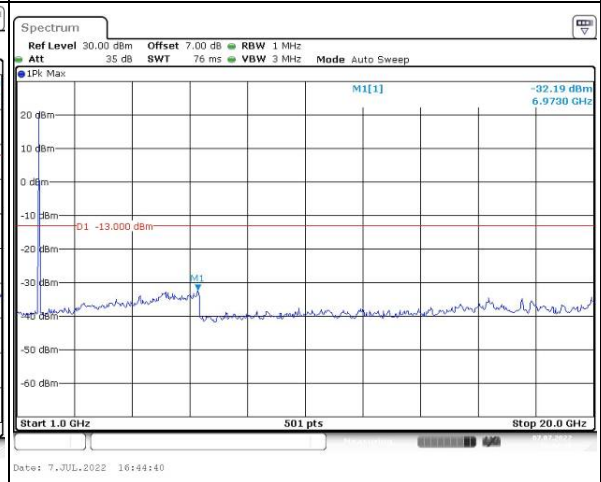
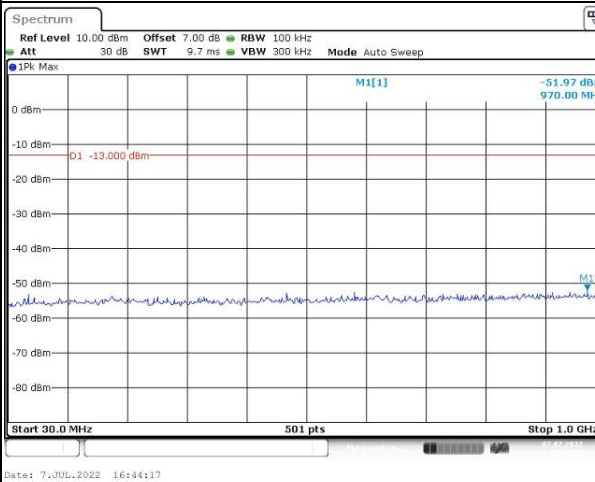
Channel

20MHz Bandwidth QPSK

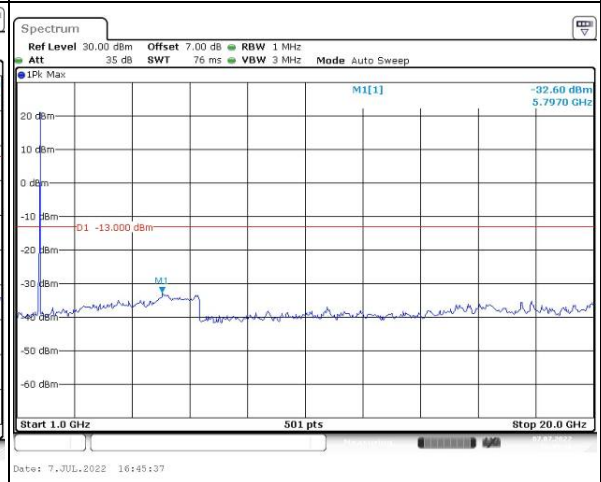
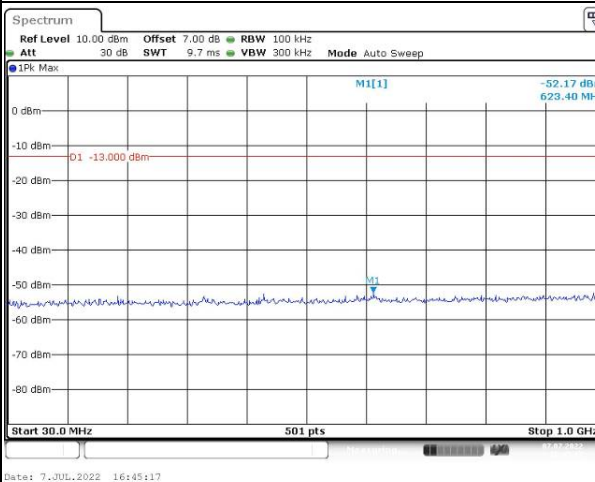
Lowest



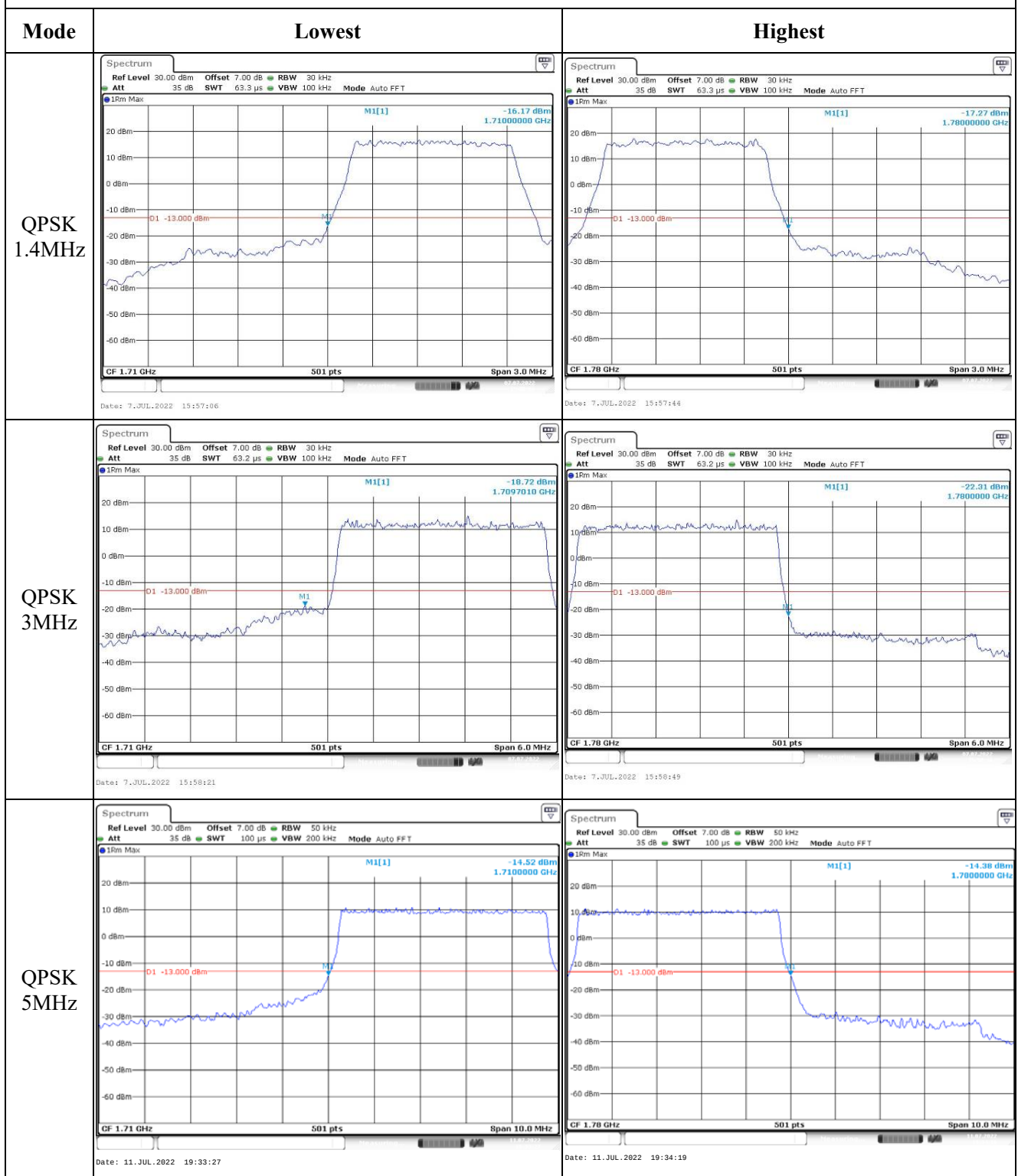
Middle



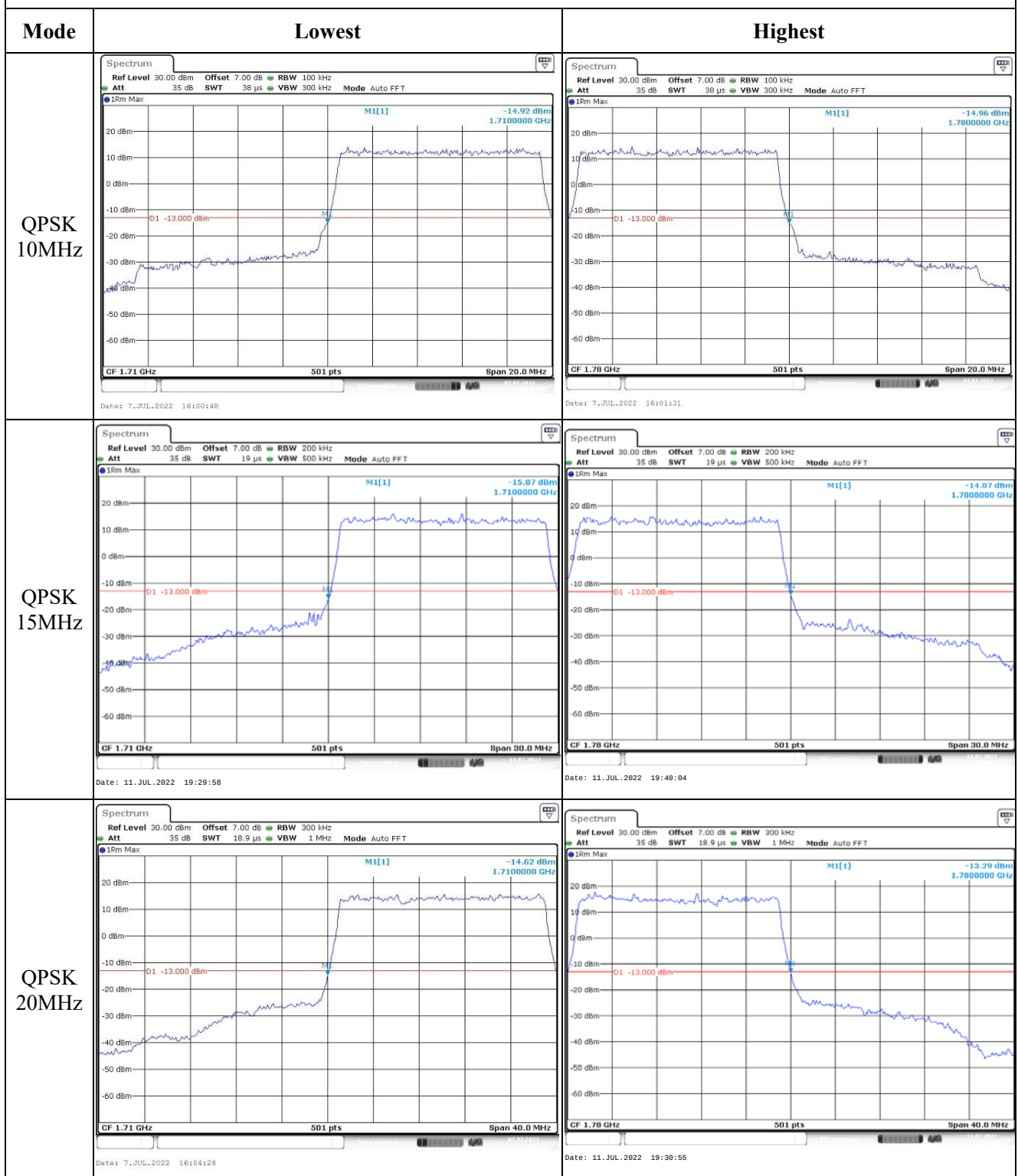
Highest



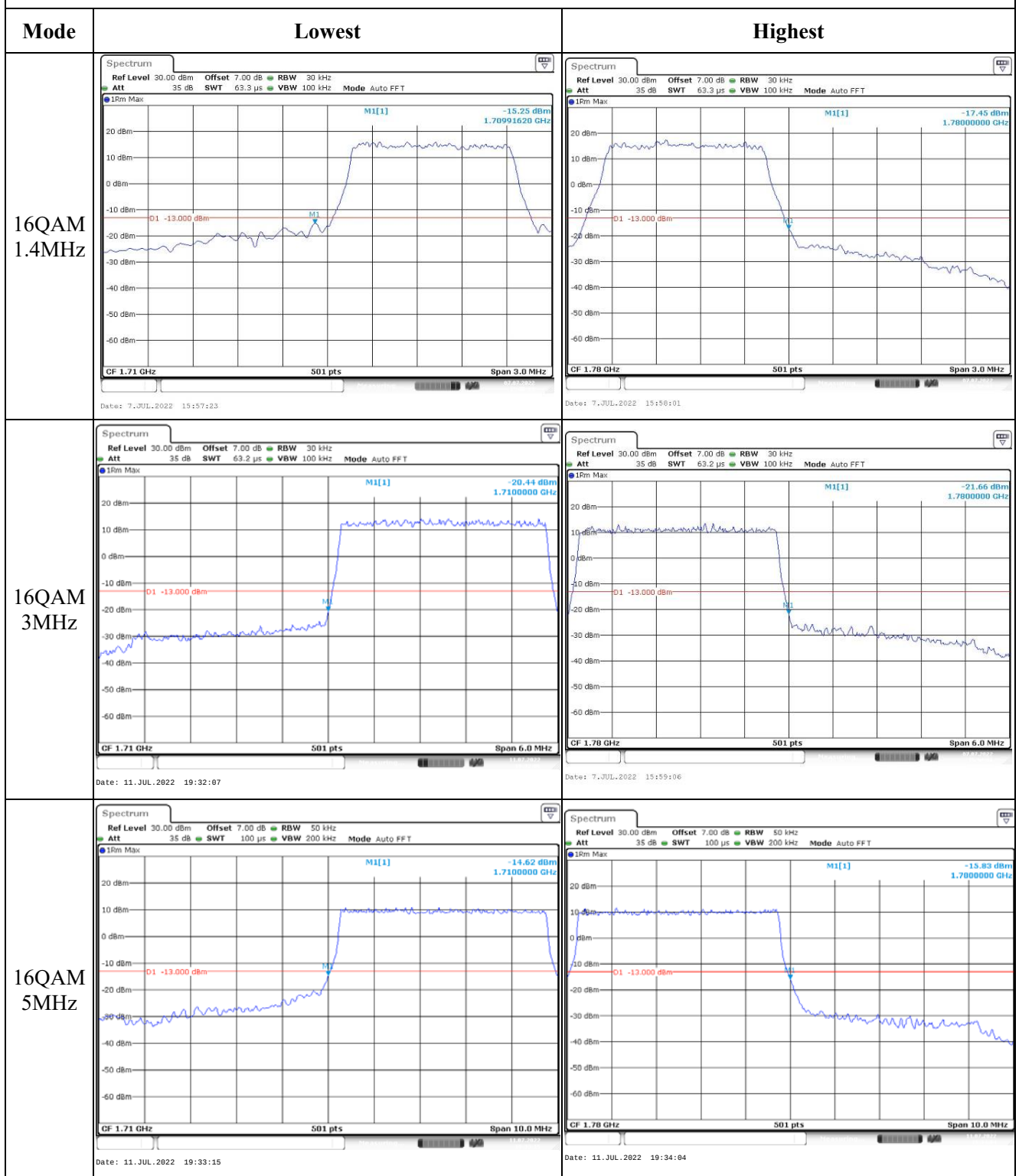
Out of band emission, Band Edge



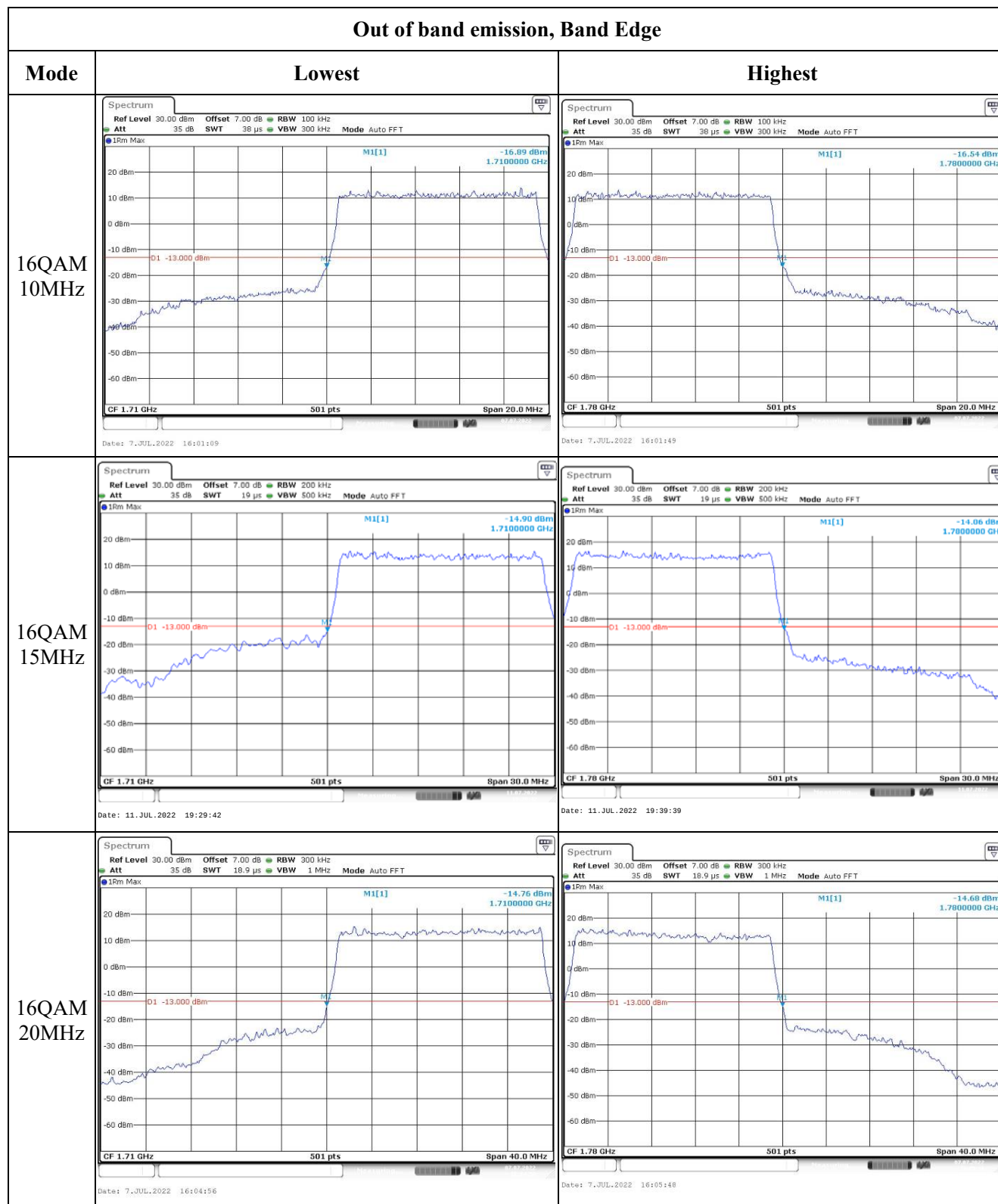
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.18 Radiated Spurious Emissions

Serial Number:	CR220050079-RF-S1(Type-1) CR220050079-RF-S2(Type-2) CR220050079-RF-S3(Type-3)	Test Date:	2022-07-31~2022-08-06
Test Site:	966-2, 966-1	Test Mode:	Transmitting
Tester:	Gary Ling, Mark Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	26.5~28.4	Relative Humidity: (%)	57~58	ATM Pressure: (kPa)	99.9~100.3
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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
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	2021-08-08	2022-08-07
MICRO-COAX	Coaxial Cable	UFA210A-1-2362-300300	235780-001	2021-08-08	2022-08-07
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2021-11-10	2022-11-09
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	2022-04-01	2023-03-31
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	2021-11-19	2022-11-18
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	2021-08-08	2022-08-07

* 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.

Type-1 + Adapter 1 was the worst:

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								
257.86	H	35.65	-76.06	0.00	0.31	-76.37	-13.00	63.37
48.56	V	38.15	-61.66	-16.31	0.12	-78.09	-13.00	65.09
1648.40	H	44.23	-60.10	8.68	0.80	-52.22	-13.00	39.22
1648.40	V	41.69	-62.72	8.68	0.80	-54.84	-13.00	41.84
2472.60	H	45.15	-55.63	9.38	1.00	-47.25	-13.00	34.25
2472.60	V	42.59	-58.14	9.38	1.00	-49.76	-13.00	36.76
3296.80	H	39.41	-57.27	10.32	1.15	-48.10	-13.00	35.10
3296.80	V	37.03	-59.41	10.32	1.15	-50.24	-13.00	37.24
GSM 850 Frequency:836.6MHz								
251.56	H	35.67	-76.19	0.00	0.30	-76.49	-13.00	63.49
47.69	V	38.16	-60.79	-17.16	0.12	-78.07	-13.00	65.07
1673.20	H	44.35	-59.96	8.71	0.85	-52.10	-13.00	39.10
1673.20	V	41.78	-62.63	8.71	0.85	-54.77	-13.00	41.77
2509.80	H	45.24	-55.37	9.42	1.01	-46.96	-13.00	33.96
2509.80	V	42.65	-57.97	9.42	1.01	-49.56	-13.00	36.56
3346.40	H	39.56	-57.61	10.34	1.16	-48.43	-13.00	35.43
3346.40	V	37.16	-59.87	10.34	1.16	-50.69	-13.00	37.69
GSM 850 Frequency:848.8MHz								
258.56	H	35.61	-76.09	0.00	0.31	-76.40	-13.00	63.40
47.34	V	38.25	-60.36	-17.51	0.12	-77.99	-13.00	64.99
1697.60	H	43.89	-60.40	8.74	0.90	-52.56	-13.00	39.56
1697.60	V	41.35	-63.07	8.74	0.90	-55.23	-13.00	42.23
2546.40	H	44.87	-55.46	9.47	1.01	-47.00	-13.00	34.00
2546.40	V	41.91	-58.37	9.47	1.01	-49.91	-13.00	36.91
3395.20	H	38.56	-59.13	10.36	1.19	-49.96	-13.00	36.96
3395.20	V	36.95	-60.71	10.36	1.19	-51.54	-13.00	38.54

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								
254.73	H	34.03	-77.76	0.00	0.30	-78.06	-13.00	65.06
47.99	V	38.25	-61.00	-16.87	0.12	-77.99	-13.00	64.99
1652.80	H	36.28	-68.05	8.68	0.81	-60.18	-13.00	47.18
1652.80	V	35.33	-69.08	8.68	0.81	-61.21	-13.00	48.21
2479.20	H	36.12	-64.64	9.39	1.01	-56.26	-13.00	43.26
2479.20	V	35.25	-65.48	9.39	1.01	-57.10	-13.00	44.10
3305.60	H	35.28	-61.45	10.32	1.15	-52.28	-13.00	39.28
3305.60	V	34.94	-61.56	10.32	1.15	-52.39	-13.00	39.39
WCDMA Band 5 Frequency:836.6MHz								
262.28	H	35.66	-75.95	0.00	0.31	-76.26	-13.00	63.26
47.99	V	38.16	-61.09	-16.87	0.12	-78.08	-13.00	65.08
1673.20	H	36.06	-68.25	8.71	0.85	-60.39	-13.00	47.39
1673.20	V	36.11	-68.30	8.71	0.85	-60.44	-13.00	47.44
2509.80	H	35.26	-65.35	9.42	1.01	-56.94	-13.00	43.94
2509.80	V	35.33	-65.29	9.42	1.01	-56.88	-13.00	43.88
3346.40	H	34.71	-62.46	10.34	1.16	-53.28	-13.00	40.28
3346.40	V	34.83	-62.20	10.34	1.16	-53.02	-13.00	40.02
WCDMA Band 5 Frequency:846.6MHz								
258.38	H	35.75	-75.95	0.00	0.31	-76.26	-13.00	63.26
47.99	V	37.95	-61.30	-16.87	0.12	-78.29	-13.00	65.29
1693.20	H	36.22	-68.08	8.73	0.89	-60.24	-13.00	47.24
1693.20	V	36.36	-68.06	8.73	0.89	-60.22	-13.00	47.22
2539.80	H	34.35	-66.03	9.46	1.01	-57.58	-13.00	44.58
2539.80	V	34.40	-65.94	9.46	1.01	-57.49	-13.00	44.49
3386.40	H	35.05	-62.54	10.35	1.18	-53.37	-13.00	40.37
3386.40	V	34.96	-62.58	10.35	1.18	-53.41	-13.00	40.41

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								
255.56	H	35.54	-76.23	0.00	0.30	-76.53	-13.00	63.53
47.81	V	38.65	-60.42	-17.05	0.12	-77.59	-13.00	64.59
3700.40	H	43.89	-53.43	10.60	1.25	-44.08	-13.00	31.08
3700.40	V	41.16	-56.14	10.60	1.25	-46.79	-13.00	33.79
5550.60	H	37.62	-55.64	11.44	1.49	-45.69	-13.00	32.69
5550.60	V	36.34	-56.76	11.44	1.49	-46.81	-13.00	33.81
GSM 1900 Frequency:1880MHz								
261.54	H	35.74	-75.89	0.00	0.31	-76.20	-13.00	63.20
47.56	V	38.41	-60.41	-17.29	0.12	-77.82	-13.00	64.82
3760.00	H	43.26	-53.15	10.66	1.24	-43.73	-13.00	30.73
3760.00	V	41.54	-54.75	10.66	1.24	-45.33	-13.00	32.33
5640.00	H	37.81	-55.64	11.33	1.54	-45.85	-13.00	32.85
5640.00	V	36.64	-56.69	11.33	1.54	-46.90	-13.00	33.90
GSM 1900 Frequency:1909.8MHz								
259.16	H	35.69	-75.99	0.00	0.31	-76.30	-13.00	63.30
47.34	V	38.53	-60.08	-17.51	0.12	-77.71	-13.00	64.71
3819.60	H	43.56	-52.30	10.72	1.29	-42.87	-13.00	29.87
3819.60	V	41.64	-54.08	10.72	1.29	-44.65	-13.00	31.65
5729.40	H	37.41	-56.07	11.22	1.59	-46.44	-13.00	33.44
5729.40	V	35.89	-57.47	11.22	1.59	-47.84	-13.00	34.84

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								
261.98	H	35.33	-76.29	0.00	0.31	-76.60	-13.00	63.60
47.99	V	39.61	-59.64	-16.87	0.12	-76.63	-13.00	63.63
3704.80	H	34.45	-62.81	10.60	1.25	-53.46	-13.00	40.46
3704.80	V	35.92	-61.31	10.60	1.25	-51.96	-13.00	38.96
5557.20	H	35.47	-57.81	11.43	1.49	-47.87	-13.00	34.87
5557.20	V	36.19	-56.94	11.43	1.49	-47.00	-13.00	34.00
WCDMA Band II, Frequency:1880 MHz								
254.73	H	35.68	-76.11	0.00	0.30	-76.41	-13.00	63.41
47.99	V	39.49	-59.76	-16.87	0.12	-76.75	-13.00	63.75
3760.00	H	36.66	-59.75	10.66	1.24	-50.33	-13.00	37.33
3760.00	V	35.57	-60.72	10.66	1.24	-51.30	-13.00	38.30
5640.00	H	34.38	-59.07	11.33	1.54	-49.28	-13.00	36.28
5640.00	V	35.04	-58.29	11.33	1.54	-48.50	-13.00	35.50
WCDMA Band II, Frequency:1907.6MHz								
256.64	H	36.18	-75.56	0.00	0.30	-75.86	-13.00	62.86
47.99	V	39.23	-60.02	-16.87	0.12	-77.01	-13.00	64.01
3815.20	H	36.12	-59.73	10.72	1.29	-50.30	-13.00	37.30
3815.20	V	36.47	-59.22	10.72	1.29	-49.79	-13.00	36.79
5722.80	H	35.32	-58.17	11.23	1.58	-48.52	-13.00	35.52
5722.80	V	34.47	-58.88	11.23	1.58	-49.23	-13.00	36.23

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								
259.23	H	38.22	-73.46	0.00	0.31	-73.77	-13.00	60.77
47.99	V	38.04	-61.21	-16.87	0.12	-78.20	-13.00	65.20
3701.40	H	43.25	-54.06	10.60	1.25	-44.71	-13.00	31.71
3701.40	V	41.11	-56.18	10.60	1.25	-46.83	-13.00	33.83
5552.10	H	35.23	-58.04	11.44	1.49	-48.09	-13.00	35.09
5552.10	V	34.47	-58.63	11.44	1.49	-48.68	-13.00	35.68
QPSK,Frequency:1880 MHz								
255.62	H	36.75	-72.36	0.00	0.30	-72.66	-13.00	59.66
47.99	V	39.41	-59.84	-16.87	0.12	-76.83	-13.00	63.83
3760.00	H	44.38	-52.03	10.66	1.24	-42.61	-13.00	29.61
3760.00	V	40.28	-56.01	10.66	1.24	-46.59	-13.00	33.59
5640.00	H	33.72	-59.73	11.33	1.54	-49.94	-13.00	36.94
5640.00	V	35.04	-58.29	11.33	1.54	-48.50	-13.00	35.50
QPSK,Frequency:1909.3 MHz								
257.42	H	36.78	-74.94	0.00	0.30	-75.24	-13.00	62.24
47.99	V	39.73	-59.52	-16.87	0.12	-76.51	-13.00	63.51
3818.60	H	41.97	-53.89	10.72	1.29	-44.46	-13.00	31.46
3818.60	V	38.16	-57.55	10.72	1.29	-48.12	-13.00	35.12
5727.90	H	32.42	-61.06	11.23	1.59	-51.42	-13.00	38.42
5727.90	V	34.06	-59.30	11.23	1.59	-49.66	-13.00	36.66

LTE Band 4 (30MHz-20GHz):

LTE Band 1 (E-UTRA FDD)								
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								
255.62	H	36.34	-75.43	0.00	0.30	-75.73	-13.00	62.73
47.99	V	40.50	-58.75	-16.87	0.12	-75.74	-13.00	62.74
3421.40	H	41.55	-56.21	10.37	1.17	-47.01	-13.00	34.01
3421.40	V	43.67	-54.06	10.37	1.17	-44.86	-13.00	31.86
5132.10	H	33.92	-59.65	11.28	1.47	-49.84	-13.00	36.84
5132.10	V	34.46	-59.00	11.28	1.47	-49.19	-13.00	36.19
QPSK,Frequency:1732.5 MHz								
253.84	H	36.02	-75.79	0.00	0.30	-76.09	-13.00	63.09
47.99	V	38.91	-60.34	-16.87	0.12	-77.33	-13.00	64.33
3465.00	H	40.72	-57.09	10.39	1.15	-47.85	-13.00	34.85
3465.00	V	43.28	-54.49	10.39	1.15	-45.25	-13.00	32.25
5197.50	H	35.06	-59.07	11.32	1.44	-49.19	-13.00	36.19
5197.50	V	34.79	-59.19	11.32	1.44	-49.31	-13.00	36.31
QPSK,Frequency:1754.3MHz								
263.82	H	36.45	-75.12	0.00	0.31	-75.43	-13.00	62.43
47.83	V	37.50	-61.59	-17.03	0.12	-78.74	-13.00	65.74
3505.20	H	41.47	-56.36	10.41	1.18	-47.13	-13.00	34.13
3505.20	V	46.01	-51.76	10.41	1.18	-42.53	-13.00	29.53
5257.80	H	34.65	-59.08	11.35	1.47	-49.20	-13.00	36.20
5257.80	V	33.11	-60.40	11.35	1.47	-50.52	-13.00	37.52

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								
782.34	H	36.74	-65.99	0.00	0.55	-66.54	-13.00	53.54
77.87	V	44.42	-62.89	-1.07	0.16	-64.12	-13.00	51.12
1649.40	H	36.23	-68.10	8.68	0.80	-60.22	-13.00	47.22
1649.40	V	35.51	-68.90	8.68	0.80	-61.02	-13.00	48.02
2474.10	H	47.13	-53.65	9.38	1.00	-45.27	-13.00	32.27
2474.10	V	47.23	-53.50	9.38	1.00	-45.12	-13.00	32.12
3298.80	H	34.90	-61.78	10.32	1.15	-52.61	-13.00	39.61
3298.80	V	35.90	-60.54	10.32	1.15	-51.37	-13.00	38.37
QPSK, Frequency: 836.5 MHz								
261.06	H	36.66	-74.98	0.00	0.31	-75.29	-13.00	62.29
793.39	V	42.93	-55.98	0.00	0.61	-56.59	-13.00	43.59
1673.00	H	36.12	-68.19	8.71	0.85	-60.33	-13.00	47.33
1673.00	V	35.49	-68.92	8.71	0.85	-61.06	-13.00	48.06
2509.50	H	43.18	-57.43	9.42	1.01	-49.02	-13.00	36.02
2509.50	V	48.55	-52.07	9.42	1.01	-43.66	-13.00	30.66
3346.00	H	36.58	-60.58	10.34	1.16	-51.40	-13.00	38.40
3346.00	V	35.50	-61.52	10.34	1.16	-52.34	-13.00	39.34
QPSK, Frequency: 848.3 MHz								
255.69	H	36.54	-75.23	0.00	0.30	-75.53	-13.00	62.53
804.60	V	41.68	-56.95	0.00	0.56	-57.51	-13.00	44.51
1696.60	H	36.28	-68.01	8.74	0.89	-60.16	-13.00	47.16
1696.60	V	35.51	-68.91	8.74	0.89	-61.06	-13.00	48.06
2544.90	H	37.25	-63.09	9.47	1.01	-54.63	-13.00	41.63
2544.90	V	48.13	-52.17	9.47	1.01	-43.71	-13.00	30.71
3393.20	H	39.19	-58.48	10.36	1.19	-49.31	-13.00	36.31
3393.20	V	36.35	-61.28	10.36	1.19	-52.11	-13.00	39.11

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								
253.84	H	36.42	-75.39	0.00	0.30	-75.69	-25.00	50.69
47.99	V	39.74	-59.51	-16.87	0.12	-76.50	-25.00	51.50
5005.00	H	35.14	-57.82	11.20	1.47	-48.09	-25.00	23.09
5005.00	V	35.19	-57.63	11.20	1.47	-47.90	-25.00	22.90
7507.50	H	33.46	-56.33	10.90	1.95	-47.38	-25.00	22.38
7507.50	V	33.51	-56.78	10.90	1.95	-47.83	-25.00	22.83
QPSK, Frequency:2535 MHz								
257.42	H	37.63	-74.09	0.00	0.30	-74.39	-25.00	49.39
58.61	V	39.34	-66.01	-10.94	0.14	-77.09	-25.00	52.09
5070.00	H	35.26	-57.93	11.24	1.47	-48.16	-25.00	23.16
5070.00	V	35.29	-57.80	11.24	1.47	-48.03	-25.00	23.03
7605.00	H	33.34	-56.13	10.88	2.01	-47.26	-25.00	22.26
7605.00	V	33.64	-56.55	10.88	2.01	-47.68	-25.00	22.68
QPSK, Frequency: 2567.5 MHz								
257.42	H	37.69	-74.03	0.00	0.30	-74.33	-25.00	49.33
47.99	V	39.48	-59.77	-16.87	0.12	-76.76	-25.00	51.76
5135.00	H	35.45	-58.15	11.28	1.47	-48.34	-25.00	23.34
5135.00	V	35.39	-58.10	11.28	1.47	-48.29	-25.00	23.29
7702.50	H	33.56	-55.96	10.86	1.97	-47.07	-25.00	22.07
7702.50	V	33.94	-56.24	10.86	1.97	-47.35	-25.00	22.35

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								
253.84	H	35.67	-76.14	0.00	0.30	-76.44	-13.00	63.44
58.20	V	37.79	-67.36	-11.13	0.14	-78.63	-13.00	65.63
1399.40	H	44.11	-59.59	8.22	0.71	-52.08	-13.00	39.08
1399.40	V	45.12	-58.63	8.22	0.71	-51.12	-13.00	38.12
2099.10	H	35.59	-66.29	9.16	0.91	-58.04	-13.00	45.04
2099.10	V	35.89	-65.94	9.16	0.91	-57.69	-13.00	44.69
2798.80	H	34.98	-64.95	9.88	1.04	-56.11	-13.00	43.11
2798.80	V	34.76	-65.04	9.88	1.04	-56.20	-13.00	43.20
QPSK, Frequency: 707.5 MHz								
93.77	H	36.42	-76.36	0.00	0.18	-76.54	-13.00	63.54
58.41	V	37.88	-67.37	-11.03	0.14	-78.54	-13.00	65.54
1415.00	H	44.45	-59.22	8.26	0.72	-51.68	-13.00	38.68
1415.00	V	43.81	-59.91	8.26	0.72	-52.37	-13.00	39.37
2122.50	H	35.29	-66.70	9.17	0.92	-58.45	-13.00	45.45
2122.50	V	34.61	-67.36	9.17	0.92	-59.11	-13.00	46.11
2830.00	H	35.03	-64.77	9.93	1.06	-55.90	-13.00	42.90
2830.00	V	34.84	-64.89	9.93	1.06	-56.02	-13.00	43.02
QPSK, Frequency: 715.3 MHz								
252.06	H	36.69	-75.16	0.00	0.30	-75.46	-13.00	62.46
30.21	V	39.94	-40.19	-26.20	0.10	-66.49	-13.00	53.49
1430.60	H	40.53	-63.10	8.31	0.73	-55.52	-13.00	42.52
1430.60	V	37.90	-65.79	8.31	0.73	-58.21	-13.00	45.21
2145.90	H	33.77	-68.33	9.19	0.93	-60.07	-13.00	47.07
2145.90	V	34.78	-67.33	9.19	0.93	-59.07	-13.00	46.07
2861.20	H	34.44	-65.21	9.98	1.07	-56.30	-13.00	43.30
2861.20	V	35.09	-64.58	9.98	1.07	-55.67	-13.00	42.67

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								
256.52	H	36.36	-75.39	0.00	0.30	-75.69	-13.00	62.69
47.99	V	39.43	-59.82	-16.87	0.12	-76.81	-13.00	63.81
1413.00	H	37.36	-66.31	8.26	0.72	-58.77	-13.00	45.77
1413.00	V	38.75	-64.97	8.26	0.72	-57.43	-13.00	44.43
2119.50	H	34.56	-67.41	9.17	0.92	-59.16	-13.00	46.16
2119.50	V	35.85	-66.10	9.17	0.92	-57.85	-13.00	44.85
2826.00	H	35.47	-64.34	9.92	1.06	-55.48	-13.00	42.48
2826.00	V	34.12	-65.62	9.92	1.06	-56.76	-13.00	43.76
QPSK, Frequency: 710 MHz								
30.00	H	36.45	-34.91	-26.30	0.10	-61.31	-13.00	48.31
39.58	V	37.32	-52.09	-26.20	0.11	-78.40	-13.00	65.40
1420.00	H	38.84	-64.82	8.28	0.73	-57.27	-13.00	44.27
1420.00	V	38.34	-65.37	8.28	0.73	-57.82	-13.00	44.82
2130.00	H	35.44	-66.58	9.18	0.92	-58.32	-13.00	45.32
2130.00	V	35.33	-66.68	9.18	0.92	-58.42	-13.00	45.42
2840.00	H	34.79	-64.96	9.94	1.06	-56.08	-13.00	43.08
2840.00	V	34.64	-65.07	9.94	1.06	-56.19	-13.00	43.19
QPSK, Frequency: 713.5 MHz								
253.84	H	35.67	-76.14	0.00	0.30	-76.44	-13.00	63.44
47.99	V	38.45	-60.80	-16.87	0.12	-77.79	-13.00	64.79
1427.00	H	37.15	-66.49	8.30	0.73	-58.92	-13.00	45.92
1427.00	V	36.89	-66.80	8.30	0.73	-59.23	-13.00	46.23
2140.50	H	34.55	-67.52	9.18	0.93	-59.27	-13.00	46.27
2140.50	V	35.25	-66.83	9.18	0.93	-58.58	-13.00	45.58
2854.00	H	35.69	-64.00	9.97	1.07	-55.10	-13.00	42.10
2854.00	V	34.17	-65.51	9.97	1.07	-56.61	-13.00	43.61

LTE Band 25 (30MHz-20GHz):

LTE Band 40 (LTE-A TDD)								
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								
247.68	H	36.32	-75.63	0.00	0.30	-75.93	-13.00	62.93
47.99	V	38.83	-60.42	-16.87	0.12	-77.41	-13.00	64.41
3701.40	H	41.35	-55.96	10.60	1.25	-46.61	-13.00	33.61
3701.40	V	39.56	-57.73	10.60	1.25	-48.38	-13.00	35.38
5552.10	H	34.94	-58.33	11.44	1.49	-48.38	-13.00	35.38
5552.10	V	35.12	-57.98	11.44	1.49	-48.03	-13.00	35.03
QPSK, Frequency:1882.5 MHz								
257.42	H	35.77	-75.95	0.00	0.30	-76.25	-13.00	63.25
47.99	V	39.49	-59.76	-16.87	0.12	-76.75	-13.00	63.75
3765.00	H	43.15	-53.18	10.67	1.25	-43.76	-13.00	30.76
3765.00	V	40.35	-55.86	10.67	1.25	-46.44	-13.00	33.44
5647.50	H	34.42	-59.03	11.32	1.55	-49.26	-13.00	36.26
5647.50	V	35.23	-58.10	11.32	1.55	-48.33	-13.00	35.33
QPSK, Frequency: 1914.3 MHz								
257.42	H	36.51	-75.21	0.00	0.30	-75.51	-13.00	62.51
47.99	V	38.21	-61.04	-16.87	0.12	-78.03	-13.00	65.03
3828.60	H	42.45	-53.45	10.73	1.28	-44.00	-13.00	31.00
3828.60	V	39.56	-56.21	10.73	1.28	-46.76	-13.00	33.76
5742.90	H	33.46	-60.02	11.21	1.60	-50.41	-13.00	37.41
5742.90	V	34.98	-58.38	11.21	1.60	-48.77	-13.00	35.77

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: 814.7 MHz								
254.73	H	36.28	-75.51	0.00	0.30	-75.81	-13.00	62.81
47.99	V	38.28	-60.97	-16.87	0.12	-77.96	-13.00	64.96
1629.40	H	35.26	-69.09	8.66	0.81	-61.24	-13.00	48.24
1629.40	V	35.78	-68.63	8.66	0.81	-60.78	-13.00	47.78
2444.10	H	44.89	-56.00	9.37	1.00	-47.63	-13.00	34.63
2444.10	V	43.16	-57.59	9.37	1.00	-49.22	-13.00	36.22
3258.80	H	35.11	-61.75	10.30	1.17	-52.62	-13.00	39.62
3258.80	V	35.64	-60.97	10.30	1.17	-51.84	-13.00	38.84
QPSK, Frequency:831.5 MHz								
254.73	H	36.13	-75.66	0.00	0.30	-75.96	-13.00	62.96
45.38	V	40.21	-56.46	-19.43	0.12	-76.01	-13.00	63.01
1663.00	H	35.65	-68.67	8.70	0.83	-60.80	-13.00	47.80
1663.00	V	35.71	-68.70	8.70	0.83	-60.83	-13.00	47.83
2494.50	H	44.39	-56.31	9.40	1.01	-47.92	-13.00	34.92
2494.50	V	43.12	-57.59	9.40	1.01	-49.20	-13.00	36.20
3326.00	H	35.87	-61.08	10.33	1.16	-51.91	-13.00	38.91
3326.00	V	35.66	-61.11	10.33	1.16	-51.94	-13.00	38.94
QPSK, Frequency: 848.3 MHz								
258.32	H	35.03	-76.67	0.00	0.31	-76.98	-13.00	63.98
47.99	V	38.93	-60.32	-16.87	0.12	-77.31	-13.00	64.31
1696.60	H	36.11	-68.18	8.74	0.89	-60.33	-13.00	47.33
1696.60	V	36.03	-68.39	8.74	0.89	-60.54	-13.00	47.54
2544.90	H	44.54	-55.80	9.47	1.01	-47.34	-13.00	34.34
2544.90	V	43.11	-57.19	9.47	1.01	-48.73	-13.00	35.73
3393.20	H	36.23	-61.44	10.36	1.19	-52.27	-13.00	39.27
3393.20	V	36.19	-61.44	10.36	1.19	-52.27	-13.00	39.27

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: 2572.5 MHz								
260.14	H	36.57	-75.09	0.00	0.31	-75.40	-25.00	50.40
47.99	V	39.72	-59.53	-16.87	0.12	-76.52	-25.00	51.52
5145.00	H	35.89	-57.79	11.29	1.44	-47.94	-25.00	22.94
5145.00	V	36.26	-57.31	11.29	1.44	-47.46	-25.00	22.46
7717.50	H	34.11	-55.40	10.86	1.99	-46.53	-25.00	21.53
7717.50	V	33.16	-56.97	10.86	1.99	-48.10	-25.00	23.10
QPSK, Frequency:2595 MHz								
260.14	H	36.87	-74.79	0.00	0.31	-75.10	-25.00	50.10
47.99	V	38.46	-60.79	-16.87	0.12	-77.78	-25.00	52.78
5190.00	H	36.15	-57.92	11.31	1.44	-48.05	-25.00	23.05
5190.00	V	36.37	-57.55	11.31	1.44	-47.68	-25.00	22.68
7785.00	H	34.26	-55.23	10.84	1.99	-46.38	-25.00	21.38
7785.00	V	33.69	-56.23	10.84	1.99	-47.38	-25.00	22.38
QPSK, Frequency: 2617.5 MHz								
264.75	H	35.60	-75.95	0.00	0.31	-76.26	-25.00	51.26
59.65	V	39.57	-66.27	-10.46	0.14	-76.87	-25.00	51.87
5235.00	H	36.31	-57.59	11.34	1.46	-47.71	-25.00	22.71
5235.00	V	36.43	-57.28	11.34	1.46	-47.40	-25.00	22.40
7852.50	H	34.35	-54.84	10.83	2.03	-46.04	-25.00	21.04
7852.50	V	33.96	-55.62	10.83	2.03	-46.82	-25.00	21.82

LTE Band 40 (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:2307.5 MHz								
4615.00	H	35.68	-59.68	10.74	1.41	-50.35	-40.00	10.35
4615.00	V	34.47	-60.75	10.74	1.41	-51.42	-40.00	11.42
6922.50	H	35.08	-55.94	11.22	1.88	-46.60	-40.00	6.60
6922.50	V	34.99	-55.90	11.22	1.88	-46.56	-40.00	6.56
QPSK, Frequency:2312.5 MHz								
4625.00	H	35.58	-59.71	10.75	1.41	-50.37	-40.00	10.37
4625.00	V	34.47	-60.70	10.75	1.41	-51.36	-40.00	11.36
6937.50	H	33.12	-57.86	11.21	1.90	-48.55	-40.00	8.55
6937.50	V	34.63	-56.21	11.21	1.90	-46.90	-40.00	6.90
QPSK, Frequency: 2352.5 MHz								
4705.00	H	36.12	-58.66	10.85	1.41	-49.22	-40.00	9.22
4705.00	V	35.48	-59.32	10.85	1.41	-49.88	-40.00	9.88
7057.50	H	34.58	-55.43	11.17	1.92	-46.18	-40.00	6.18
7057.50	V	33.62	-56.28	11.17	1.92	-47.03	-40.00	7.03
QPSK, Frequency:2357.5 MHz								
4715.00	H	35.47	-59.24	10.86	1.41	-49.79	-40.00	9.79
4715.00	V	35.28	-59.43	10.86	1.41	-49.98	-40.00	9.98
7072.50	H	33.77	-56.03	11.16	1.91	-46.78	-40.00	6.78
7072.50	V	33.47	-56.24	11.16	1.91	-46.99	-40.00	6.99

LTE Band 41 (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: 2557.5 MHz								
257.56	H	36.22	-75.50	0.00	0.31	-75.81	-25.00	50.81
47.99	V	39.31	-59.94	-16.87	0.12	-76.93	-25.00	51.93
5115.00	H	36.37	-57.06	11.27	1.51	-47.30	-25.00	22.30
5115.00	V	37.51	-55.82	11.27	1.51	-46.06	-25.00	21.06
7672.50	H	34.56	-54.95	10.87	2.03	-46.11	-25.00	21.11
7672.50	V	33.87	-56.32	10.87	2.03	-47.48	-25.00	22.48
QPSK, Frequency:2605 MHz								
258.64	H	36.15	-75.55	0.00	0.31	-75.86	-25.00	50.86
47.99	V	38.79	-60.46	-16.87	0.12	-77.45	-25.00	52.45
5210.00	H	36.58	-57.50	11.33	1.45	-47.62	-25.00	22.62
5210.00	V	37.49	-56.43	11.33	1.45	-46.55	-25.00	21.55
7815.00	H	34.21	-55.19	10.84	1.99	-46.34	-25.00	21.34
7815.00	V	33.55	-56.24	10.84	1.99	-47.39	-25.00	22.39
QPSK, Frequency: 2652.5 MHz								
257.42	H	36.70	-75.02	0.00	0.30	-75.32	-25.00	50.32
47.99	V	39.62	-59.63	-16.87	0.12	-76.62	-25.00	51.62
5305.00	H	36.35	-57.09	11.38	1.46	-47.17	-25.00	22.17
5305.00	V	37.41	-55.77	11.38	1.46	-45.85	-25.00	20.85
7957.50	H	34.31	-54.11	10.81	2.09	-45.39	-25.00	20.39
7957.50	V	33.49	-55.38	10.81	2.09	-46.66	-25.00	21.66

LTE Band 66(30MHz-20GHz):

BTE Data to (QPSK) Freq:								
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								
261.38	H	35.56	-76.07	0.00	0.31	-76.38	-13.00	63.38
47.99	V	38.65	-60.60	-16.87	0.12	-77.59	-13.00	64.59
3421.40	H	43.62	-54.14	10.37	1.17	-44.94	-13.00	31.94
3421.40	V	41.28	-56.45	10.37	1.17	-47.25	-13.00	34.25
5132.10	H	34.44	-59.13	11.28	1.47	-49.32	-13.00	36.32
5132.10	V	33.15	-60.31	11.28	1.47	-50.50	-13.00	37.50
QPSK, Frequency:1745 MHz								
256.52	H	37.02	-74.73	0.00	0.30	-75.03	-13.00	62.03
47.99	V	40.05	-59.20	-16.87	0.12	-76.19	-13.00	63.19
3490.00	H	42.08	-55.76	10.40	1.17	-46.53	-13.00	33.53
3490.00	V	47.07	-50.71	10.40	1.17	-41.48	-13.00	28.48
5235.00	H	35.02	-58.88	11.34	1.46	-49.00	-13.00	36.00
5235.00	V	33.67	-60.04	11.34	1.46	-50.16	-13.00	37.16
QPSK, Frequency: 1779.3 MHz								
256.67	H	36.48	-75.26	0.00	0.30	-75.56	-13.00	62.56
47.99	V	39.26	-59.99	-16.87	0.12	-76.98	-13.00	63.98
3558.60	H	42.58	-55.09	10.46	1.22	-45.85	-13.00	32.85
3558.60	V	47.34	-50.23	10.46	1.22	-40.99	-13.00	27.99
5337.90	H	33.49	-59.98	11.40	1.47	-50.05	-13.00	37.05
5337.90	V	34.88	-58.45	11.40	1.47	-48.52	-13.00	35.52

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 =====