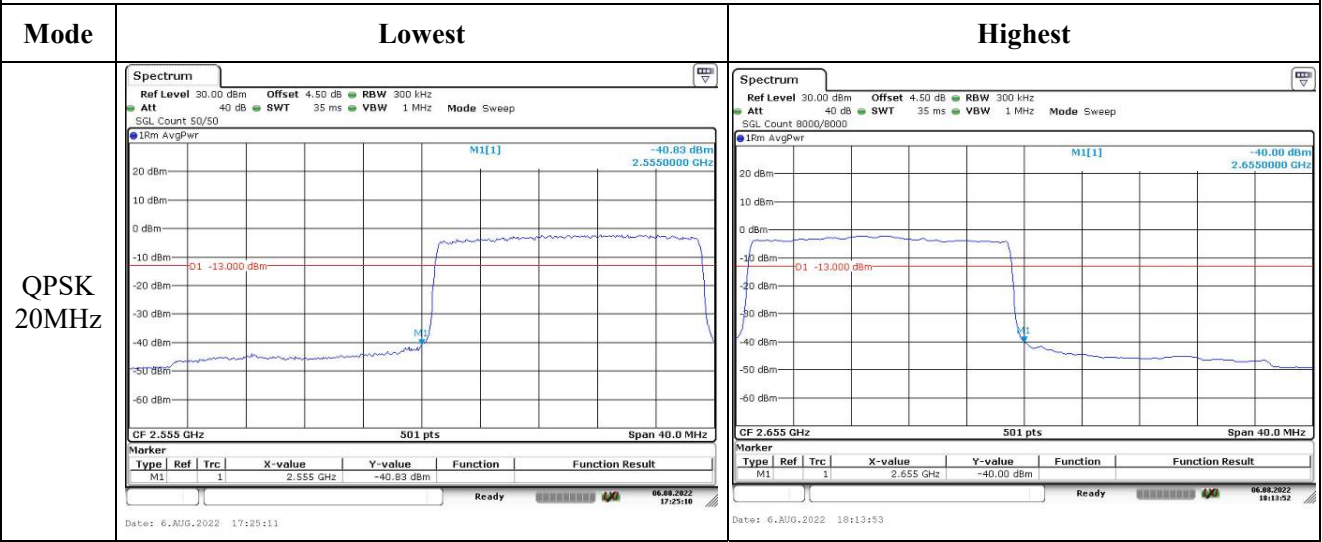
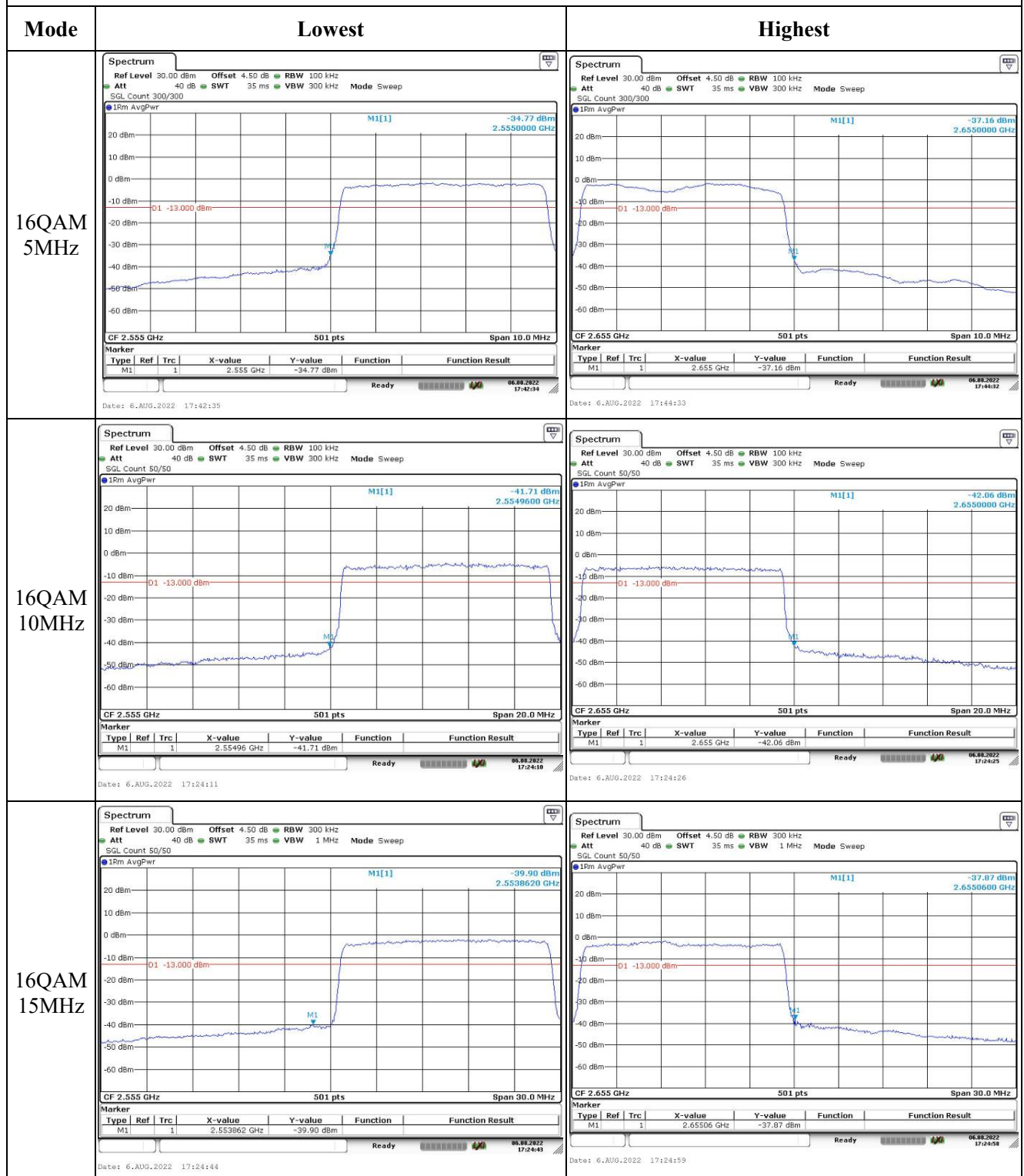


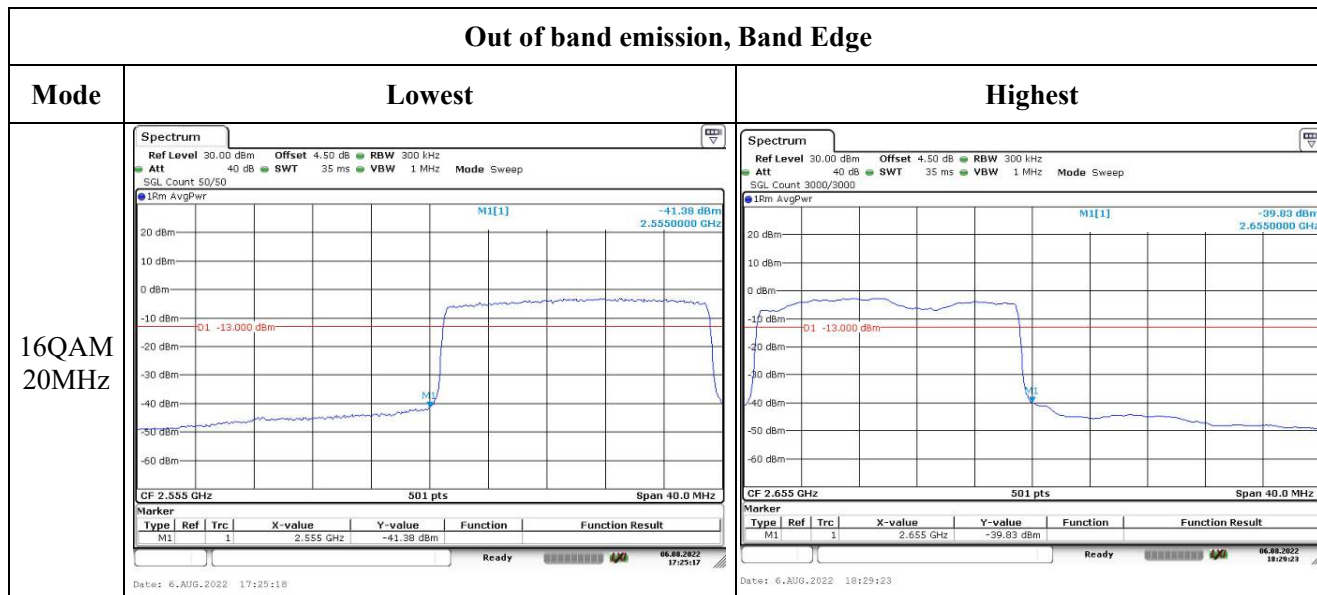
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.11 Radiated Spurious Emissions

Serial Number:	CR22010034-RF-S1	Test Date:	Below 1G: 2022-07-30 Above 1G: 2022-08-30
Test Site:	966-2, 966-1	Test Mode:	Transmitting
Tester:	Gary Ling, Mack Huang	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	25.5~28.9	Relative Humidity: (%)	53~54	ATM Pressure: (kPa)	100.3~100.4
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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
Agilent	Signal Generator	E8247C	MY43321352	2022-04-01	2023-03-31
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	2021-11-10	2022-11-09
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021-10-18	2024-10-17
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	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	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.

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								
326.74	H	43.70	-66.62	0.00	0.34	-66.96	-13.00	53.96
45.69	V	44.71	-52.27	-19.12	0.12	-71.51	-13.00	58.51
1648.40	H	37.65	-66.68	8.68	0.80	-58.80	-13.00	45.80
1648.40	V	40.90	-63.51	8.68	0.80	-55.63	-13.00	42.63
2472.60	H	44.51	-56.27	9.38	1.00	-47.89	-13.00	34.89
2472.60	V	46.64	-54.09	9.38	1.00	-45.71	-13.00	32.71
3296.80	H	36.06	-60.62	10.32	1.15	-51.45	-13.00	38.45
3296.80	V	36.85	-59.59	10.32	1.15	-50.42	-13.00	37.42
GSM 850 Frequency:836.6MHz								
400.43	H	40.80	-68.40	0.00	0.40	-68.80	-13.00	55.80
65.11	V	43.31	-60.96	-7.59	0.14	-68.69	-13.00	55.69
1673.20	H	38.19	-66.12	8.71	0.85	-58.26	-13.00	45.26
1673.20	V	36.71	-67.70	8.71	0.85	-59.84	-13.00	46.84
2509.80	H	43.70	-56.91	9.42	1.01	-48.50	-13.00	35.50
2509.80	V	46.49	-54.13	9.42	1.01	-45.72	-13.00	32.72
3346.40	H	35.13	-62.04	10.34	1.16	-52.86	-13.00	39.86
3346.40	V	36.00	-61.03	10.34	1.16	-51.85	-13.00	38.85
GSM 850 Frequency:848.8MHz								
400.43	H	42.90	-66.30	0.00	0.40	-66.70	-13.00	53.70
47.49	V	44.83	-53.93	-17.36	0.12	-71.41	-13.00	58.41
1697.60	H	37.87	-66.42	8.74	0.90	-58.58	-13.00	45.58
1697.60	V	39.14	-65.28	8.74	0.90	-57.44	-13.00	44.44
2546.40	H	42.65	-57.68	9.47	1.01	-49.22	-13.00	36.22
2546.40	V	45.79	-54.49	9.47	1.01	-46.03	-13.00	33.03
3395.20	H	34.22	-63.47	10.36	1.19	-54.30	-13.00	41.30
3395.20	V	35.09	-62.57	10.36	1.19	-53.40	-13.00	40.40

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								
623.14	H	33.58	-71.18	0.00	0.48	-71.66	-13.00	58.66
43.97	V	38.04	-56.93	-21.16	0.12	-78.21	-13.00	65.21
1652.80	H	39.38	-64.95	8.68	0.81	-57.08	-13.00	44.08
1652.80	V	41.55	-62.86	8.68	0.81	-54.99	-13.00	41.99
2479.20	H	43.04	-57.72	9.39	1.01	-49.34	-13.00	36.34
2479.20	V	42.95	-57.78	9.39	1.01	-49.40	-13.00	36.40
3305.60	H	49.60	-47.13	10.32	1.15	-37.96	-13.00	24.96
3305.60	V	54.29	-42.21	10.32	1.15	-33.04	-13.00	20.04
WCDMA Band 5 Frequency:836.6MHz								
410.69	H	33.07	-75.89	0.00	0.40	-76.29	-13.00	63.29
42.60	V	37.35	-55.84	-22.97	0.12	-78.93	-13.00	65.93
1673.20	H	37.35	-66.96	8.71	0.85	-59.10	-13.00	46.10
1673.20	V	40.02	-64.39	8.71	0.85	-56.53	-13.00	43.53
2509.80	H	43.85	-56.76	9.42	1.01	-48.35	-13.00	35.35
2509.80	V	43.48	-57.14	9.42	1.01	-48.73	-13.00	35.73
3346.40	H	51.41	-45.76	10.34	1.16	-36.58	-13.00	23.58
3346.40	V	54.33	-42.70	10.34	1.16	-33.52	-13.00	20.52
WCDMA Band 5 Frequency:846.6MHz								
338.13	H	33.14	-77.00	0.00	0.36	-77.36	-13.00	64.36
39.99	V	37.94	-51.87	-26.40	0.11	-78.38	-13.00	65.38
1693.20	H	39.55	-64.75	8.73	0.89	-56.91	-13.00	43.91
1693.20	V	42.09	-62.33	8.73	0.89	-54.49	-13.00	41.49
2539.80	H	42.15	-58.23	9.46	1.01	-49.78	-13.00	36.78
2539.80	V	45.13	-55.21	9.46	1.01	-46.76	-13.00	33.76
3386.40	H	54.60	-42.99	10.35	1.18	-33.82	-13.00	20.82
3386.40	V	58.26	-39.28	10.35	1.18	-30.11	-13.00	17.11

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								
894.86	H	40.39	-59.07	0.00	0.66	-59.73	-13.00	46.73
65.11	V	46.13	-58.14	-7.59	0.14	-65.87	-13.00	52.87
3700.40	H	39.04	-58.28	10.60	1.25	-48.93	-13.00	35.93
3700.40	V	37.98	-59.32	10.60	1.25	-49.97	-13.00	36.97
5550.60	H	38.28	-54.98	11.44	1.49	-45.03	-13.00	32.03
5550.60	V	35.68	-57.42	11.44	1.49	-47.47	-13.00	34.47
GSM 1900 Frequency:1880MHz								
807.43	H	38.12	-63.98	0.00	0.56	-64.54	-13.00	51.54
65.11	V	43.48	-60.79	-7.59	0.14	-68.52	-13.00	55.52
3760.00	H	36.18	-60.23	10.66	1.24	-50.81	-13.00	37.81
3760.00	V	35.41	-60.88	10.66	1.24	-51.46	-13.00	38.46
5640.00	H	37.92	-55.53	11.33	1.54	-45.74	-13.00	32.74
5640.00	V	36.99	-56.34	11.33	1.54	-46.55	-13.00	33.55
GSM 1900 Frequency:1909.8MHz								
66.97	H	34.97	-68.84	-6.61	0.15	-75.60	-13.00	62.60
47.33	V	45.27	-53.33	-17.52	0.12	-70.97	-13.00	57.97
3819.60	H	36.14	-59.72	10.72	1.29	-50.29	-13.00	37.29
3819.60	V	34.59	-61.13	10.72	1.29	-51.70	-13.00	38.70
5729.40	H	39.35	-54.13	11.22	1.59	-44.50	-13.00	31.50
5729.40	V	36.96	-56.40	11.22	1.59	-46.77	-13.00	33.77

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								
348.48	H	32.96	-77.03	0.00	0.36	-77.39	-13.00	64.39
39.99	V	38.47	-51.34	-26.40	0.11	-77.85	-13.00	64.85
3704.80	H	42.06	-55.20	10.60	1.25	-45.85	-13.00	32.85
3704.80	V	44.34	-52.89	10.60	1.25	-43.54	-13.00	30.54
5557.20	H	32.15	-61.13	11.43	1.49	-51.19	-13.00	38.19
5557.20	V	33.28	-59.85	11.43	1.49	-49.91	-13.00	36.91
WCDMA Band II, Frequency:1880 MHz								
354.49	H	32.95	-76.95	0.00	0.36	-77.31	-13.00	64.31
900.15	V	37.77	-58.66	0.00	0.63	-59.29	-13.00	46.29
3760.00	H	43.51	-52.90	10.66	1.24	-43.48	-13.00	30.48
3760.00	V	41.07	-55.22	10.66	1.24	-45.80	-13.00	32.80
5640.00	H	32.86	-60.59	11.33	1.54	-50.80	-13.00	37.80
5640.00	V	33.17	-60.16	11.33	1.54	-50.37	-13.00	37.37
WCDMA Band II, Frequency:1907.6MHz								
147.65	H	32.48	-79.55	0.00	0.22	-79.77	-13.00	66.77
43.67	V	38.53	-56.05	-21.56	0.12	-77.73	-13.00	64.73
3815.20	H	45.87	-49.98	10.72	1.29	-40.55	-13.00	27.55
3815.20	V	44.69	-51.00	10.72	1.29	-41.57	-13.00	28.57
5722.80	H	33.44	-60.05	11.23	1.58	-50.40	-13.00	37.40
5722.80	V	34.12	-59.23	11.23	1.58	-49.58	-13.00	36.58

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								
558.73	H	32.72	-72.94	0.00	0.48	-73.42	-13.00	60.42
39.99	V	38.08	-51.73	-26.40	0.11	-78.24	-13.00	65.24
3701.40	H	48.72	-48.59	10.60	1.25	-39.24	-13.00	26.24
3701.40	V	52.81	-44.48	10.60	1.25	-35.13	-13.00	22.13
5552.10	H	34.63	-58.64	11.44	1.49	-48.69	-13.00	35.69
5552.10	V	34.95	-58.15	11.44	1.49	-48.20	-13.00	35.20
QPSK,Frequency:1880 MHz								
739.66	H	33.57	-70.14	0.00	0.55	-70.69	-13.00	57.69
39.99	V	37.81	-52.00	-26.40	0.11	-78.51	-13.00	65.51
3760.00	H	51.76	-44.65	10.66	1.24	-35.23	-13.00	22.23
3760.00	V	53.73	-42.56	10.66	1.24	-33.14	-13.00	20.14
5640.00	H	35.92	-57.53	11.33	1.54	-47.74	-13.00	34.74
5640.00	V	37.87	-55.46	11.33	1.54	-45.67	-13.00	32.67
QPSK,Frequency:1909.3 MHz								
345.74	H	33.14	-76.89	0.00	0.37	-77.26	-13.00	64.26
39.99	V	38.86	-50.95	-26.40	0.11	-77.46	-13.00	64.46
3818.60	H	53.07	-42.79	10.72	1.29	-33.36	-13.00	20.36
3818.60	V	53.97	-41.74	10.72	1.29	-32.31	-13.00	19.31
5727.90	H	38.26	-55.22	11.23	1.59	-45.58	-13.00	32.58
5727.90	V	36.51	-56.85	11.23	1.59	-47.21	-13.00	34.21

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								
456.05	H	32.53	-75.36	0.00	0.42	-75.78	-13.00	62.78
39.99	V	38.20	-51.61	-26.40	0.11	-78.12	-13.00	65.12
3421.40	H	38.12	-59.64	10.37	1.17	-50.44	-13.00	37.44
3421.40	V	38.16	-59.57	10.37	1.17	-50.37	-13.00	37.37
5132.10	H	32.51	-61.06	11.28	1.47	-51.25	-13.00	38.25
5132.10	V	33.11	-60.35	11.28	1.47	-50.54	-13.00	37.54
QPSK, Frequency: 1732.5 MHz								
625.80	H	32.42	-72.34	0.00	0.48	-72.82	-13.00	59.82
40.27	V	37.05	-53.12	-26.04	0.11	-79.27	-13.00	66.27
3465.00	H	35.51	-62.30	10.39	1.15	-53.06	-13.00	40.06
3465.00	V	34.82	-62.95	10.39	1.15	-53.71	-13.00	40.71
5197.50	H	32.45	-61.68	11.32	1.44	-51.80	-13.00	38.80
5197.50	V	32.99	-60.99	11.32	1.44	-51.11	-13.00	38.11
QPSK, Frequency: 1754.3MHz								
589.33	H	33.14	-71.89	0.00	0.48	-72.37	-13.00	59.37
39.99	V	38.37	-51.44	-26.40	0.11	-77.95	-13.00	64.95
3508.60	H	35.47	-62.35	10.41	1.19	-53.13	-13.00	40.13
3508.60	V	37.28	-60.48	10.41	1.19	-51.26	-13.00	38.26
5262.90	H	32.56	-61.14	11.36	1.47	-51.25	-13.00	38.25
5262.90	V	33.24	-60.23	11.36	1.47	-50.34	-13.00	37.34

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								
845.07	H	55.69	-45.27	0.00	0.57	-45.84	-13.00	32.84
845.07	V	50.64	-47.06	0.00	0.57	-47.63	-13.00	34.63
1649.40	H	38.96	-65.37	8.68	0.80	-57.49	-13.00	44.49
1649.40	V	43.13	-61.28	8.68	0.80	-53.40	-13.00	40.40
2474.10	H	47.65	-53.13	9.38	1.00	-44.75	-13.00	31.75
2474.10	V	44.63	-56.10	9.38	1.00	-47.72	-13.00	34.72
3298.80	H	50.85	-45.83	10.32	1.15	-36.66	-13.00	23.66
3298.80	V	55.19	-41.25	10.32	1.15	-32.08	-13.00	19.08
QPSK, Frequency: 836.5 MHz								
39.84	H	32.37	-51.81	-26.32	0.11	-78.24	-13.00	65.24
857.02	V	43.45	-53.97	0.00	0.57	-54.54	-13.00	41.54
1673.00	H	40.00	-64.31	8.71	0.85	-56.45	-13.00	43.45
1673.00	V	41.11	-63.30	8.71	0.85	-55.44	-13.00	42.44
2509.50	H	47.98	-52.63	9.42	1.01	-44.22	-13.00	31.22
2509.50	V	48.37	-52.25	9.42	1.01	-43.84	-13.00	30.84
3346.00	H	55.79	-41.37	10.34	1.16	-32.19	-13.00	19.19
3346.00	V	58.80	-38.22	10.34	1.16	-29.04	-13.00	16.04
QPSK, Frequency: 848.3 MHz								
830.40	H	56.50	-44.91	0.00	0.63	-45.54	-13.00	32.54
830.40	V	55.69	-42.35	0.00	0.63	-42.98	-13.00	29.98
1696.60	H	40.98	-63.31	8.74	0.89	-55.46	-13.00	42.46
1696.60	V	41.41	-63.01	8.74	0.89	-55.16	-13.00	42.16
2544.90	H	46.13	-54.21	9.47	1.01	-45.75	-13.00	32.75
2544.90	V	46.93	-53.37	9.47	1.01	-44.91	-13.00	31.91
3393.20	H	58.86	-38.81	10.36	1.19	-29.64	-13.00	16.64
3393.20	V	61.73	-35.90	10.36	1.19	-26.73	-13.00	13.73

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								
348.49	H	32.47	-77.52	0.00	0.36	-77.88	-25.00	52.88
39.99	V	38.43	-51.38	-26.40	0.11	-77.89	-25.00	52.89
5005.00	H	35.36	-57.60	11.20	1.47	-47.87	-25.00	22.87
5005.00	V	33.55	-59.27	11.20	1.47	-49.54	-25.00	24.54
7507.50	H	33.71	-56.08	10.90	1.95	-47.13	-25.00	22.13
7507.50	V	32.47	-57.82	10.90	1.95	-48.87	-25.00	23.87
QPSK, Frequency:2535 MHz								
584.79	H	33.23	-71.89	0.00	0.46	-72.35	-25.00	47.35
39.99	V	37.74	-52.07	-26.40	0.11	-78.58	-25.00	53.58
5070.00	H	33.02	-60.17	11.24	1.47	-50.40	-25.00	25.40
5070.00	V	34.21	-58.88	11.24	1.47	-49.11	-25.00	24.11
7605.00	H	31.03	-58.44	10.88	2.01	-49.57	-25.00	24.57
7605.00	V	32.68	-57.51	10.88	2.01	-48.64	-25.00	23.64
QPSK, Frequency: 2567.5 MHz								
211.17	H	33.14	-79.53	0.00	0.26	-79.79	-25.00	54.79
39.99	V	38.43	-51.38	-26.40	0.11	-77.89	-25.00	52.89
5135.00	H	33.56	-60.04	11.28	1.47	-50.23	-25.00	25.23
5135.00	V	32.47	-61.02	11.28	1.47	-51.21	-25.00	26.21
7702.50	H	33.46	-56.06	10.86	1.97	-47.17	-25.00	22.17
7702.50	V	31.58	-58.60	10.86	1.97	-49.71	-25.00	24.71

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								
31.07	H	34.13	-38.51	-25.81	0.10	-64.42	-13.00	51.42
39.99	V	38.58	-51.23	-26.40	0.11	-77.74	-13.00	64.74
1413.00	H	39.61	-64.06	8.26	0.72	-56.52	-13.00	43.52
1413.00	V	44.32	-59.40	8.26	0.72	-51.86	-13.00	38.86
2119.50	H	34.17	-67.80	9.17	0.92	-59.55	-13.00	46.55
2119.50	V	35.11	-66.84	9.17	0.92	-58.59	-13.00	45.59
2826.00	H	46.52	-53.29	9.92	1.06	-44.43	-13.00	31.43
2826.00	V	48.34	-51.40	9.92	1.06	-42.54	-13.00	29.54
3532.50	H	49.54	-48.21	10.43	1.21	-38.99	-13.00	25.99
3532.50	V	51.24	-46.43	10.43	1.21	-37.21	-13.00	24.21
QPSK, Frequency:710 MHz								
76.24	H	34.48	-73.04	-1.88	0.16	-75.08	-13.00	62.08
679.96	V	42.94	-58.83	0.00	0.52	-59.35	-13.00	46.35
1420.00	H	37.85	-65.81	8.28	0.73	-58.26	-13.00	45.26
1420.00	V	42.22	-61.49	8.28	0.73	-53.94	-13.00	40.94
2130.00	H	34.28	-67.74	9.18	0.92	-59.48	-13.00	46.48
2130.00	V	34.68	-67.33	9.18	0.92	-59.07	-13.00	46.07
2840.00	H	42.60	-57.15	9.94	1.06	-48.27	-13.00	35.27
2840.00	V	44.34	-55.37	9.94	1.06	-46.49	-13.00	33.49
3550.00	H	46.34	-51.36	10.45	1.22	-42.13	-13.00	29.13
3550.00	V	49.05	-48.55	10.45	1.22	-39.32	-13.00	26.32
QPSK, Frequency: 713.5 MHz								
548.31	H	33.65	-72.22	0.00	0.47	-72.69	-13.00	59.69
39.99	V	37.89	-51.92	-26.40	0.11	-78.43	-13.00	65.43
1427.00	H	37.45	-66.19	8.30	0.73	-58.62	-13.00	45.62
1427.00	V	44.54	-59.15	8.30	0.73	-51.58	-13.00	38.58
2140.50	H	34.57	-67.50	9.18	0.93	-59.25	-13.00	46.25
2140.50	V	34.23	-67.85	9.18	0.93	-59.60	-13.00	46.60
2854.00	H	43.54	-56.15	9.97	1.07	-47.25	-13.00	34.25
2854.00	V	44.34	-55.34	9.97	1.07	-46.44	-13.00	33.44
3567.50	H	45.46	-52.19	10.47	1.23	-42.95	-13.00	29.95
3567.50	V	48.35	-49.18	10.47	1.23	-39.94	-13.00	26.94

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								
552.54	H	33.64	-72.14	0.00	0.48	-72.62	-25.00	47.62
39.99	V	37.49	-52.32	-26.40	0.11	-78.83	-25.00	53.83
5145.00	H	32.47	-61.21	11.29	1.44	-51.36	-25.00	26.36
5145.00	V	34.17	-59.40	11.29	1.44	-49.55	-25.00	24.55
7717.50	H	32.94	-56.57	10.86	1.99	-47.70	-25.00	22.70
7717.50	V	33.26	-56.87	10.86	1.99	-48.00	-25.00	23.00
QPSK, Frequency:2595 MHz								
890.73	H	33.97	-65.61	0.00	0.64	-66.25	-25.00	41.25
43.05	V	37.68	-56.09	-22.37	0.12	-78.58	-25.00	53.58
5190.00	H	35.36	-58.71	11.31	1.44	-48.84	-25.00	23.84
5190.00	V	35.02	-58.90	11.31	1.44	-49.03	-25.00	24.03
7785.00	H	32.91	-56.58	10.84	1.99	-47.73	-25.00	22.73
7785.00	V	33.17	-56.75	10.84	1.99	-47.90	-25.00	22.90
QPSK, Frequency: 2617.5 MHz								
348.61	H	33.10	-76.89	0.00	0.36	-77.25	-25.00	52.25
39.99	V	37.46	-52.35	-26.40	0.11	-78.86	-25.00	53.86
5235.00	H	36.24	-57.66	11.34	1.46	-47.78	-25.00	22.78
5235.00	V	35.90	-57.81	11.34	1.46	-47.93	-25.00	22.93
7852.50	H	32.47	-56.72	10.83	2.03	-47.92	-25.00	22.92
7852.50	V	31.95	-57.63	10.83	2.03	-48.83	-25.00	23.83

LTE Band 40 (30MHz-25GHz):

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								
807.43	H	46.75	-55.35	0.00	0.56	-55.91	-40.00	15.91
807.43	V	48.82	-49.75	0.00	0.56	-50.31	-40.00	10.31
4615.00	H	36.89	-58.47	10.74	1.41	-49.14	-40.00	9.14
4615.00	V	37.51	-57.71	10.74	1.41	-48.38	-40.00	8.38
6922.50	H	32.58	-58.44	11.22	1.88	-49.10	-40.00	9.10
6922.50	V	32.74	-58.15	11.22	1.88	-48.81	-40.00	8.81
QPSK, Frequency:2312.5 MHz								
807.43	H	47.28	-54.82	0.00	0.56	-55.38	-40.00	15.38
807.43	V	47.96	-50.61	0.00	0.56	-51.17	-40.00	11.17
4625.00	H	38.67	-56.62	10.75	1.41	-47.28	-40.00	7.28
4625.00	V	37.25	-57.92	10.75	1.41	-48.58	-40.00	8.58
6937.50	H	33.09	-57.89	11.21	1.90	-48.58	-40.00	8.58
6937.50	V	34.11	-56.73	11.21	1.90	-47.42	-40.00	7.42
QPSK, Frequency: 2352.5 MHz								
636.13	H	32.80	-71.94	0.00	0.52	-72.46	-40.00	32.46
43.96	V	37.91	-57.04	-21.17	0.12	-78.33	-40.00	38.33
4705.00	H	38.93	-55.85	10.85	1.41	-46.41	-40.00	6.41
4705.00	V	39.17	-55.63	10.85	1.41	-46.19	-40.00	6.19
7057.50	H	32.62	-57.39	11.17	1.92	-48.14	-40.00	8.14
7057.50	V	33.27	-56.63	11.17	1.92	-47.38	-40.00	7.38
QPSK, Frequency: 2357.5 MHz								
153.74	H	33.37	-78.45	0.00	0.23	-78.68	-40.00	38.68
44.43	V	38.26	-57.30	-20.55	0.12	-77.97	-40.00	37.97
4715.00	H	38.42	-56.29	10.86	1.41	-46.84	-40.00	6.84
4715.00	V	37.36	-57.35	10.86	1.41	-47.90	-40.00	7.90
7072.50	H	31.15	-58.65	11.16	1.91	-49.40	-40.00	9.40
7072.50	V	33.27	-56.44	11.16	1.91	-47.19	-40.00	7.19

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								
258.52	H	32.55	-79.15	0.00	0.31	-79.46	-25.00	54.46
39.99	V	38.26	-51.55	-26.40	0.11	-78.06	-25.00	53.06
5115.00	H	35.14	-58.29	11.27	1.51	-48.53	-25.00	23.53
5115.00	V	36.23	-57.10	11.27	1.51	-47.34	-25.00	22.34
7672.50	H	34.28	-55.23	10.87	2.03	-46.39	-25.00	21.39
7672.50	V	33.17	-57.02	10.87	2.03	-48.18	-25.00	23.18
QPSK, Frequency:2605 MHz								
766.06	H	33.08	-70.02	0.00	0.53	-70.55	-25.00	45.55
44.43	V	37.87	-57.69	-20.55	0.12	-78.36	-25.00	53.36
5210.00	H	35.36	-58.72	11.33	1.45	-48.84	-25.00	23.84
5210.00	V	34.57	-59.35	11.33	1.45	-49.47	-25.00	24.47
7815.00	H	33.45	-55.95	10.84	1.99	-47.10	-25.00	22.10
7815.00	V	32.99	-56.80	10.84	1.99	-47.95	-25.00	22.95
QPSK, Frequency: 2652.5 MHz								
620.84	H	31.85	-72.92	0.00	0.49	-73.41	-25.00	48.41
39.99	V	38.14	-51.67	-26.40	0.11	-78.18	-25.00	53.18
5305.00	H	39.59	-53.85	11.38	1.46	-43.93	-25.00	18.93
5305.00	V	37.40	-55.78	11.38	1.46	-45.86	-25.00	20.86
7957.50	H	36.54	-51.88	10.81	2.09	-43.16	-25.00	18.16
7957.50	V	35.48	-53.39	10.81	2.09	-44.67	-25.00	19.67

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 =====