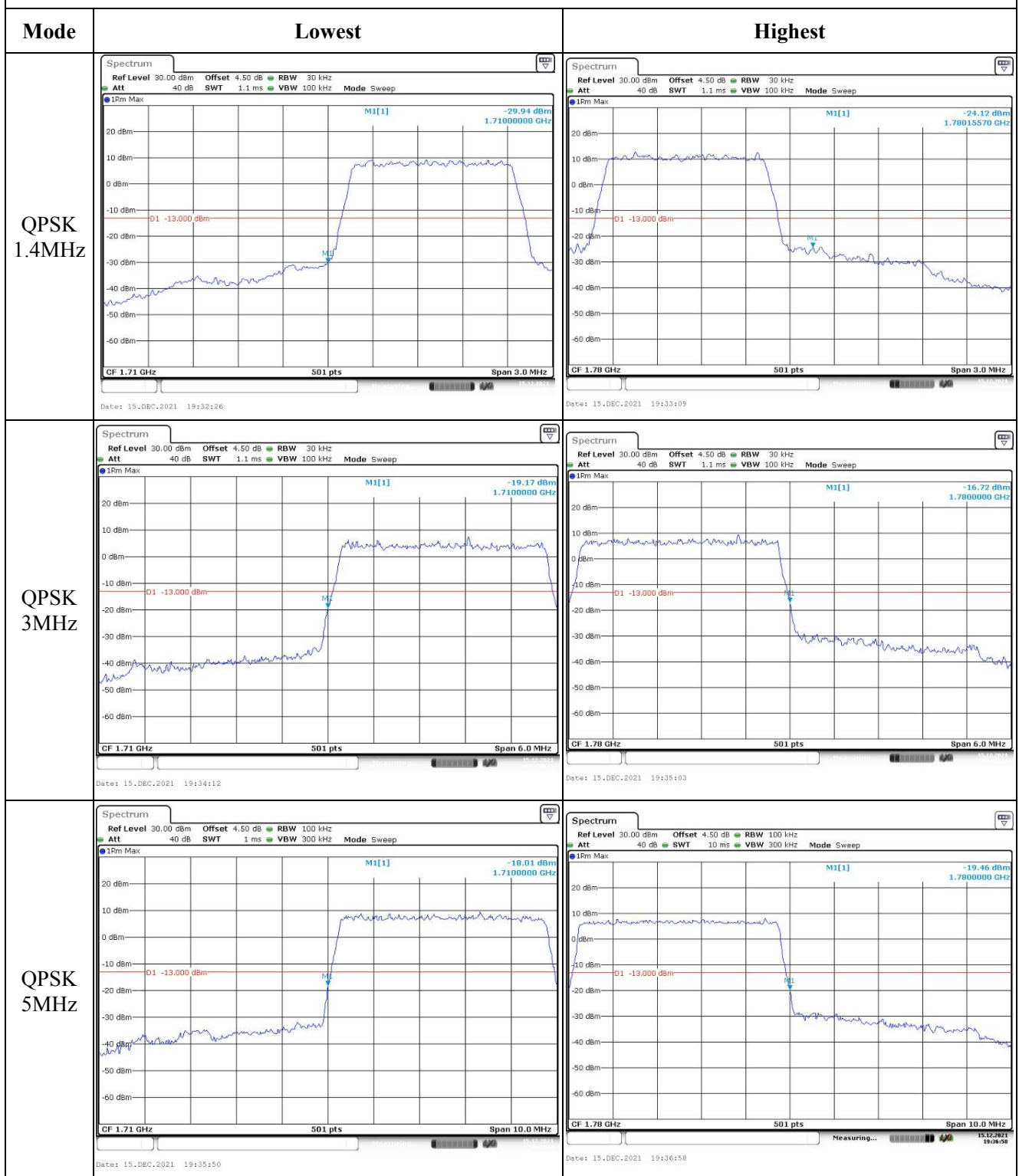
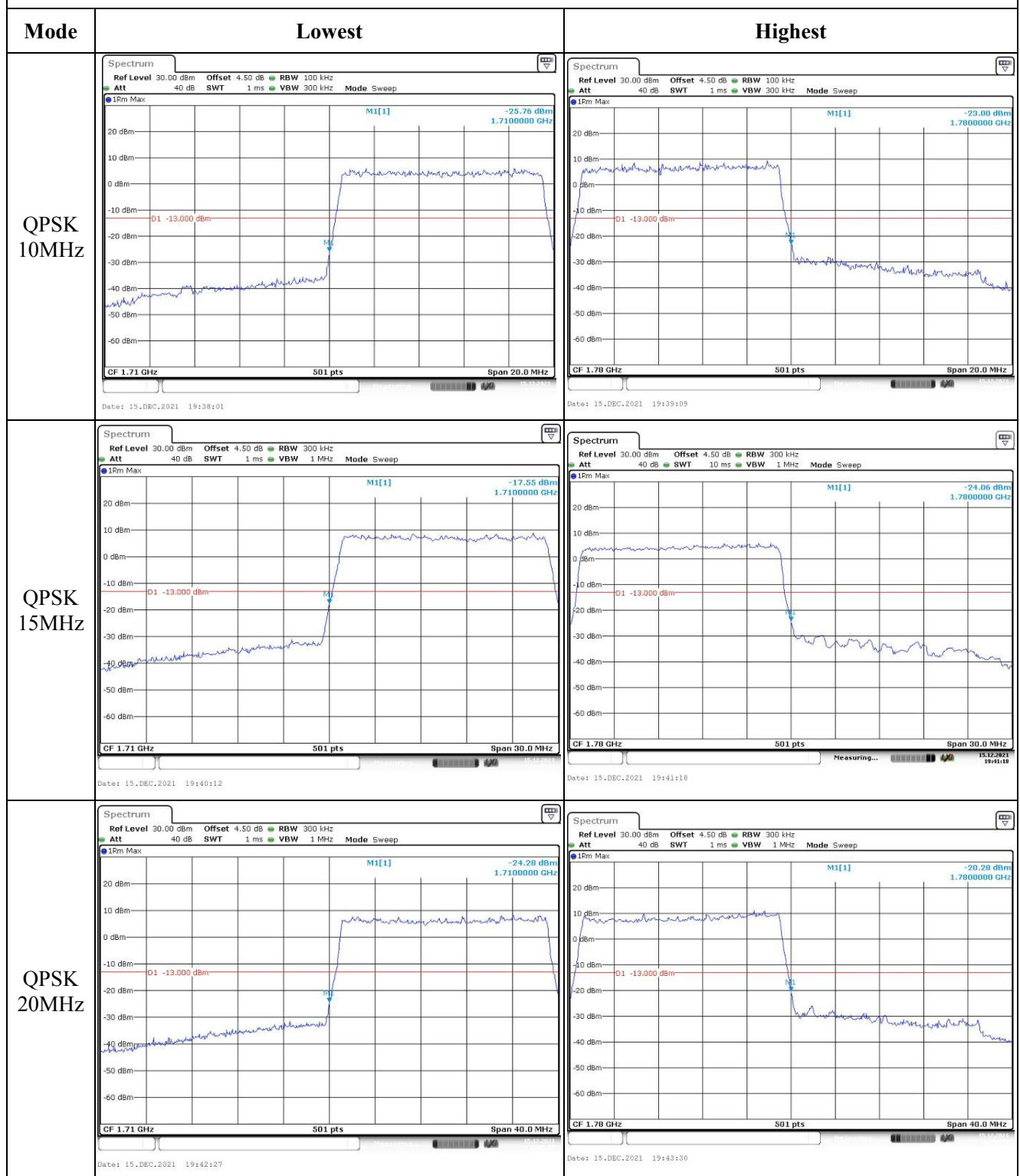


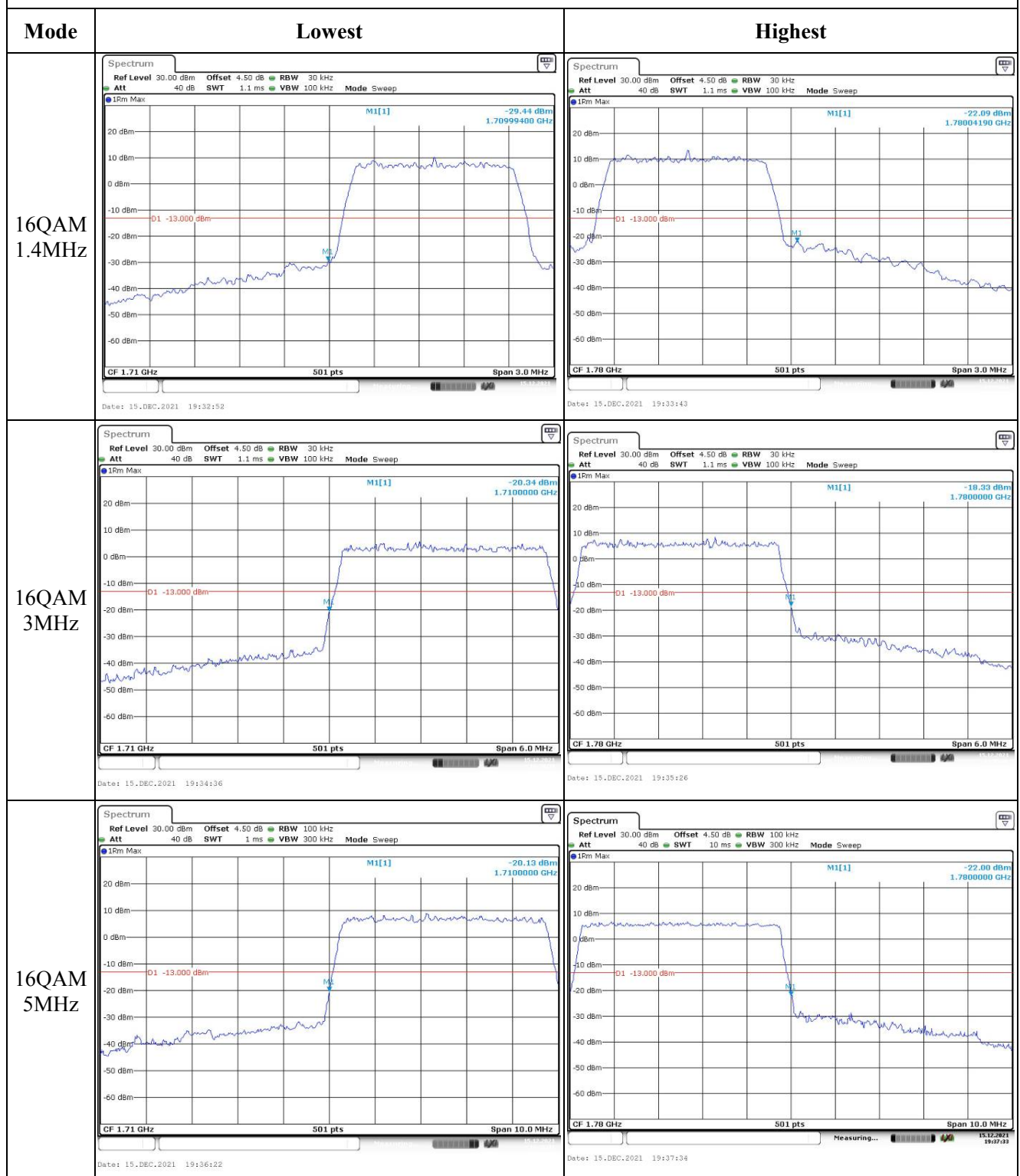
Out of band emission, Band Edge



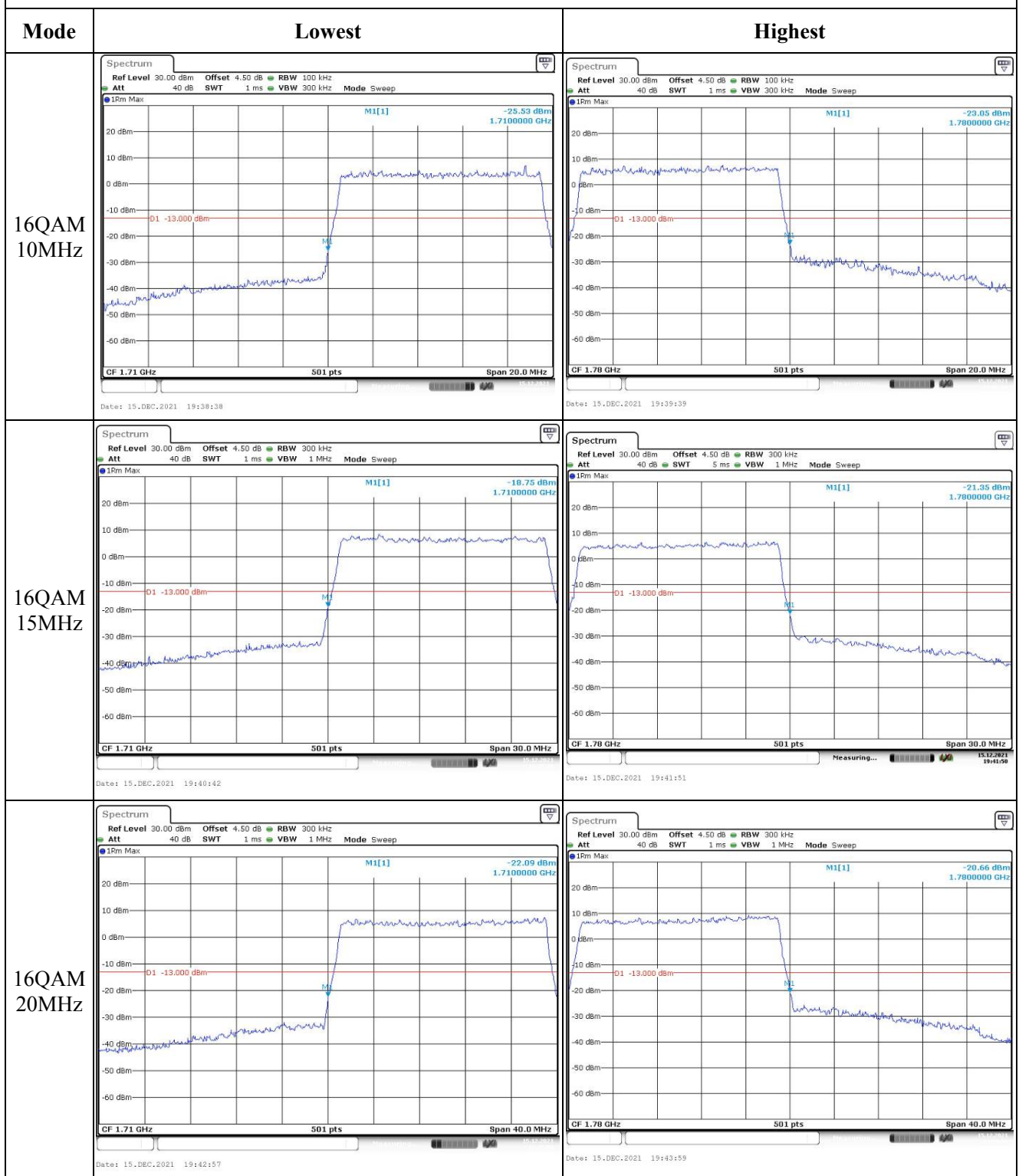
Out of band emission, Band Edge



Out of band emission, Band Edge



Out of band emission, Band Edge



4.13 Radiated Spurious Emissions

Serial Number:	CR21110023-RF-S1	Test Date:	2021-11-25
Test Site:	966-2, 966-1	Test Mode:	Transmitting
Tester:	Great Qiao, Tommy Luo	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	19.9~21.7	Relative Humidity: (%)	52~55	ATM Pressure: (kPa)	101.4
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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	2021-07-22	2022-07-21
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0470-02	2021-07-18	2022-07-17
TIMES MICROWAVE	Coaxial Cable	LMR-600-UltraFlex	C-0780-01	2021-07-18	2022-07-17
Sonoma	Amplifier	310N	186165	2021-07-18	2022-07-17
EMCO	Adjustable Dipole Antenna	3121C	9109-753	N/A	N/A
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2021-07-25	2022-07-24
Agilent	Signal Generator	E8247C	MY43321350	2021-04-25	2022-04-24
ETS-Lindgren	Horn Antenna	3115	9912-5985	2020-10-13	2023-10-12
PASTERNAK	Horn Antenna	PE9852/2F-20	112002	2021-02-05	2024-02-04
R&S	Spectrum Analyzer	FSV40	101591	2021-07-22	2022-07-21
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
MICRO-COAX	Coaxial Cable	UFB142A-1-2362-200200	235772-001	2021-08-08	2022-08-07
Mini	Pre-amplifier	ZVA-183-S+	5969001149	2021-11-10	2022-11-09
AH	Preamplifier	PAM-1840VH	190	2021-11-20	2022-11-19
AH	Double Ridge Guide Horn Antenna	SAS-571	1396	2021-10-18	2023-10-17
PASTERNAK	Horn Antenna	PE9852/2F-20	112001	2021-02-05	2024-02-04
MICRO-COAX	Coaxial Cable	UFA210B-0-0720-300300	99G1448	2021-07-25	2022-07-24
Mini Circuits	High Pass Filter	VHF-6010+	31119	2021-08-08	2022-08-07
Mini Circuits	High Pass Filter	VHF-3100+	31251	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, 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								
1648.40	H	48.91	-55.42	8.68	0.80	-47.54	-13.00	34.54
1648.40	V	49.61	-54.80	8.68	0.80	-46.92	-13.00	33.92
2472.60	H	49.47	-51.31	9.38	1.00	-42.93	-13.00	29.93
2472.60	V	51.23	-49.50	9.38	1.00	-41.12	-13.00	28.12
3296.80	H	42.63	-54.05	10.32	1.15	-44.88	-13.00	31.88
3296.80	V	45.47	-50.97	10.32	1.15	-41.80	-13.00	28.80
4121.00	H	44.18	-51.82	10.83	1.27	-42.26	-13.00	29.26
4121.00	V	45.75	-50.22	10.83	1.27	-40.66	-13.00	27.66
213.70	H	46.76	-65.86	0.00	0.27	-66.13	-13.00	53.13
64.40	V	55.74	-48.77	-7.97	0.14	-56.88	-13.00	43.88
GSM 850 Frequency:836.6MHz								
1673.20	H	46.92	-57.39	8.71	0.85	-49.53	-13.00	36.53
1673.20	V	49.97	-54.44	8.71	0.85	-46.58	-13.00	33.58
2509.80	H	53.14	-47.47	9.42	1.01	-39.06	-13.00	26.06
2509.80	V	55.03	-45.59	9.42	1.01	-37.18	-13.00	24.18
3346.40	H	43.96	-53.21	10.34	1.16	-44.03	-13.00	31.03
3346.40	V	46.58	-50.45	10.34	1.16	-41.27	-13.00	28.27
4183.00	H	43.65	-52.30	10.79	1.32	-42.83	-13.00	29.83
4183.00	V	45.25	-50.67	10.79	1.32	-41.20	-13.00	28.20
186.00	H	45.40	-67.21	0.00	0.26	-67.47	-13.00	54.47
65.80	V	56.69	-47.35	-7.23	0.15	-54.73	-13.00	41.73
GSM 850 Frequency:848.8MHz								
1697.60	H	49.19	-55.10	8.74	0.90	-47.26	-13.00	34.26
1697.60	V	56.37	-48.05	8.74	0.90	-40.21	-13.00	27.21
2546.40	H	49.73	-50.60	9.47	1.01	-42.14	-13.00	29.14
2546.40	V	53.71	-46.57	9.47	1.01	-38.11	-13.00	25.11
3395.20	H	42.84	-54.85	10.36	1.19	-45.68	-13.00	32.68
3395.20	V	47.25	-50.41	10.36	1.19	-41.24	-13.00	28.24
4244.00	H	42.35	-53.74	10.75	1.30	-44.29	-13.00	31.29
4244.00	V	46.35	-49.67	10.75	1.30	-40.22	-13.00	27.22
189.60	H	46.20	-66.48	0.00	0.26	-66.74	-13.00	53.74
51.80	V	55.92	-46.17	-14.07	0.13	-60.37	-13.00	47.37

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								
1652.80	H	35.75	-68.58	8.68	0.81	-60.71	-13.00	47.71
1652.80	V	36.29	-68.12	8.68	0.81	-60.25	-13.00	47.25
2479.20	H	34.35	-66.41	9.39	1.01	-58.03	-13.00	45.03
2479.20	V	35.06	-65.67	9.39	1.01	-57.29	-13.00	44.29
3305.60	H	35.98	-60.75	10.32	1.15	-51.58	-13.00	38.58
3305.60	V	36.35	-60.15	10.32	1.15	-50.98	-13.00	37.98
287.60	H	31.89	-79.12	0.00	0.33	-79.45	-13.00	66.45
527.60	V	46.65	-56.32	0.00	0.44	-56.76	-13.00	43.76
WCDMA Band 5 Frequency:836.6MHz								
1673.20	H	35.94	-68.37	8.71	0.85	-60.51	-13.00	47.51
1673.20	V	36.35	-68.06	8.71	0.85	-60.20	-13.00	47.20
2509.80	H	35.36	-65.25	9.42	1.01	-56.84	-13.00	43.84
2509.80	V	35.29	-65.33	9.42	1.01	-56.92	-13.00	43.92
3346.40	H	35.66	-61.51	10.34	1.16	-52.33	-13.00	39.33
3346.40	V	35.47	-61.56	10.34	1.16	-52.38	-13.00	39.38
179.50	H	33.87	-78.60	0.00	0.25	-78.85	-13.00	65.85
479.90	V	42.04	-61.36	0.00	0.41	-61.77	-13.00	48.77
WCDMA Band 5 Frequency:846.6MHz								
1693.20	H	35.24	-69.06	8.73	0.89	-61.22	-13.00	48.22
1693.20	V	35.44	-68.98	8.73	0.89	-61.14	-13.00	48.14
2539.80	H	34.79	-65.59	9.46	1.01	-57.14	-13.00	44.14
2539.80	V	35.55	-64.79	9.46	1.01	-56.34	-13.00	43.34
3386.40	H	36.05	-61.54	10.35	1.18	-52.37	-13.00	39.37
3386.40	V	34.93	-62.61	10.35	1.18	-53.44	-13.00	40.44
432.20	H	48.00	-60.45	0.00	0.40	-60.85	-13.00	47.85
432.20	V	46.15	-58.93	0.00	0.40	-59.33	-13.00	46.33

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								
3700.40	H	35.48	-61.84	10.60	1.25	-52.49	-13.00	39.49
3700.40	V	34.25	-63.05	10.60	1.25	-53.70	-13.00	40.70
5550.60	H	36.18	-57.08	11.44	1.49	-47.13	-13.00	34.13
5550.60	V	37.88	-55.22	11.44	1.49	-45.27	-13.00	32.27
7400.80	H	43.51	-45.70	10.96	2.07	-36.81	-13.00	23.81
7400.80	V	41.43	-48.55	10.96	2.07	-39.66	-13.00	26.66
193.50	H	45.52	-67.24	0.00	0.26	-67.50	-13.00	54.50
65.80	V	54.41	-49.63	-7.23	0.15	-57.01	-13.00	44.01
GSM 1900 Frequency:1880MHz								
3760.00	H	36.25	-60.16	10.66	1.24	-50.74	-13.00	37.74
3760.00	V	36.85	-59.44	10.66	1.24	-50.02	-13.00	37.02
5640.00	H	34.62	-58.83	11.33	1.54	-49.04	-13.00	36.04
5640.00	V	37.21	-56.12	11.33	1.54	-46.33	-13.00	33.33
7520.00	H	44.25	-45.50	10.90	1.96	-36.56	-13.00	23.56
7520.00	V	42.31	-47.97	10.90	1.96	-39.03	-13.00	26.03
213.20	H	45.71	-66.92	0.00	0.27	-67.19	-13.00	54.19
51.80	V	56.26	-45.83	-14.07	0.13	-60.03	-13.00	47.03
GSM 1900 Frequency:1909.8MHz								
3819.60	H	37.91	-57.95	10.72	1.29	-48.52	-13.00	35.52
3819.60	V	37.25	-58.47	10.72	1.29	-49.04	-13.00	36.04
5729.40	H	35.17	-58.31	11.22	1.59	-48.68	-13.00	35.68
5729.40	V	36.62	-56.74	11.22	1.59	-47.11	-13.00	34.11
7639.20	H	36.64	-52.85	10.87	2.05	-44.03	-13.00	31.03
7639.20	V	38.36	-51.83	10.87	2.05	-43.01	-13.00	30.01
214.60	H	45.27	-67.33	0.00	0.27	-67.60	-13.00	54.60
51.80	V	54.42	-47.67	-14.07	0.13	-61.87	-13.00	48.87

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								
3704.80	H	36.94	-60.32	10.60	1.25	-50.97	-13.00	37.97
3704.80	V	35.96	-61.27	10.60	1.25	-51.92	-13.00	38.92
5557.20	H	34.56	-58.72	11.43	1.49	-48.78	-13.00	35.78
5557.20	V	34.84	-58.29	11.43	1.49	-48.35	-13.00	35.35
479.90	H	35.46	-71.87	0.00	0.41	-72.28	-13.00	59.28
479.90	V	41.85	-61.55	0.00	0.41	-61.96	-13.00	48.96
WCDMA Band II, Frequency:1880 MHz								
3760.00	H	37.09	-59.32	10.66	1.24	-49.90	-13.00	36.90
3760.00	V	35.51	-60.78	10.66	1.24	-51.36	-13.00	38.36
5640.00	H	33.95	-59.50	11.33	1.54	-49.71	-13.00	36.71
5640.00	V	35.32	-58.01	11.33	1.54	-48.22	-13.00	35.22
430.80	H	33.19	-75.30	0.00	0.40	-75.70	-13.00	62.70
479.90	V	47.97	-55.43	0.00	0.41	-55.84	-13.00	42.84
WCDMA Band II, Frequency:1907.6MHz								
3815.20	H	34.62	-61.23	10.72	1.29	-51.80	-13.00	38.80
3815.20	V	35.47	-60.22	10.72	1.29	-50.79	-13.00	37.79
5722.80	H	35.15	-58.34	11.23	1.58	-48.69	-13.00	35.69
5722.80	V	35.62	-57.73	11.23	1.58	-48.08	-13.00	35.08
218.80	H	42.57	-69.95	0.00	0.27	-70.22	-13.00	57.22
479.90	V	44.14	-59.26	0.00	0.41	-59.67	-13.00	46.67

AWS Band(Part 27)**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								
3424.80	H	35.69	-62.08	10.37	1.17	-52.88	-13.00	39.88
3424.80	V	35.08	-62.66	10.37	1.17	-53.46	-13.00	40.46
5137.20	H	34.98	-58.64	11.28	1.46	-48.82	-13.00	35.82
5137.20	V	34.57	-58.93	11.28	1.46	-49.11	-13.00	36.11
479.90	H	42.75	-64.58	0.00	0.41	-64.99	-13.00	51.99
432.20	V	46.54	-58.54	0.00	0.40	-58.94	-13.00	45.94
WCDMA Band IV, Frequency:1732.6 MHz								
3465.20	H	35.96	-61.85	10.39	1.15	-52.61	-13.00	39.61
3465.20	V	37.52	-60.25	10.39	1.15	-51.01	-13.00	38.01
5197.80	H	36.18	-57.95	11.32	1.44	-48.07	-13.00	35.07
5197.80	V	36.41	-57.57	11.32	1.44	-47.69	-13.00	34.69
335.30	H	39.14	-71.05	0.00	0.35	-71.40	-13.00	58.40
479.90	V	48.27	-55.13	0.00	0.41	-55.54	-13.00	42.54
WCDMA Band IV, Frequency:1752.6MHz								
3505.20	H	34.76	-63.07	10.41	1.18	-53.84	-13.00	40.84
3505.20	V	35.46	-62.31	10.41	1.18	-53.08	-13.00	40.08
5257.80	H	35.85	-57.88	11.35	1.47	-48.00	-13.00	35.00
5257.80	V	36.02	-57.49	11.35	1.47	-47.61	-13.00	34.61
287.60	H	36.69	-74.32	0.00	0.33	-74.65	-13.00	61.65
479.90	V	44.09	-59.31	0.00	0.41	-59.72	-13.00	46.72

LTE Bands:**LTE Band 2 (30MHz-20GHz):**

RF Band 2 (Channel 202A)

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								
3701.40	H	44.35	-52.96	10.60	1.25	-43.61	-13.00	30.61
3701.40	V	46.91	-50.38	10.60	1.25	-41.03	-13.00	28.03
5552.10	H	36.07	-57.20	11.44	1.49	-47.25	-13.00	34.25
5552.10	V	35.25	-57.85	11.44	1.49	-47.90	-13.00	34.90
287.60	H	38.33	-72.68	0.00	0.33	-73.01	-13.00	60.01
479.90	V	47.67	-55.73	0.00	0.41	-56.14	-13.00	43.14
QPSK, Frequency: 1880 MHz								
3760.00	H	44.88	-51.53	10.66	1.24	-42.11	-13.00	29.11
3760.00	V	46.13	-50.16	10.66	1.24	-40.74	-13.00	27.74
5640.00	H	36.85	-56.60	11.33	1.54	-46.81	-13.00	33.81
5640.00	V	37.20	-56.13	11.33	1.54	-46.34	-13.00	33.34
479.90	H	37.04	-70.29	0.00	0.41	-70.70	-13.00	57.70
479.90	V	49.71	-53.69	0.00	0.41	-54.10	-13.00	41.10
QPSK, Frequency: 1909.3 MHz								
3818.60	H	44.63	-51.23	10.72	1.29	-41.80	-13.00	28.80
3818.60	V	45.05	-50.66	10.72	1.29	-41.23	-13.00	28.23
5727.90	H	35.89	-57.59	11.23	1.59	-47.95	-13.00	34.95
5727.90	V	36.30	-57.06	11.23	1.59	-47.42	-13.00	34.42
479.90	H	39.31	-68.02	0.00	0.41	-68.43	-13.00	55.43
479.90	V	48.61	-54.79	0.00	0.41	-55.20	-13.00	42.20

LTE Band 4 (30MHz-20GHz):

DTE Band 1 (Common Only)								
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								
3421.40	H	35.82	-61.94	10.37	1.17	-52.74	-13.00	39.74
3421.40	V	36.72	-61.01	10.37	1.17	-51.81	-13.00	38.81
5132.10	H	39.05	-54.52	11.28	1.47	-44.71	-13.00	31.71
5132.10	V	37.20	-56.26	11.28	1.47	-46.45	-13.00	33.45
479.90	H	37.77	-69.56	0.00	0.41	-69.97	-13.00	56.97
479.90	V	49.15	-54.25	0.00	0.41	-54.66	-13.00	41.66
QPSK, Frequency: 1732.5 MHz								
3465.00	H	38.13	-59.68	10.39	1.15	-50.44	-13.00	37.44
3465.00	V	36.46	-61.31	10.39	1.15	-52.07	-13.00	39.07
5197.50	H	39.98	-54.15	11.32	1.44	-44.27	-13.00	31.27
5197.50	V	44.77	-49.21	11.32	1.44	-39.33	-13.00	26.33
287.60	H	42.40	-68.61	0.00	0.33	-68.94	-13.00	55.94
479.90	V	49.35	-54.05	0.00	0.41	-54.46	-13.00	41.46
QPSK, Frequency: 1754.3 MHz								
3505.20	H	36.16	-61.67	10.41	1.18	-52.44	-13.00	39.44
3505.20	V	37.33	-60.44	10.41	1.18	-51.21	-13.00	38.21
5257.80	H	41.49	-52.24	11.35	1.47	-42.36	-13.00	29.36
5257.80	V	41.45	-52.06	11.35	1.47	-42.18	-13.00	29.18
287.60	H	39.51	-71.50	0.00	0.33	-71.83	-13.00	58.83
479.90	V	48.66	-54.74	0.00	0.41	-55.15	-13.00	42.15

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								
1649.40	H	46.09	-58.24	8.68	0.80	-50.36	-13.00	37.36
1649.40	V	51.13	-53.28	8.68	0.80	-45.40	-13.00	32.40
2474.10	H	44.90	-55.88	9.38	1.00	-47.50	-13.00	34.50
2474.10	V	43.77	-56.96	9.38	1.00	-48.58	-13.00	35.58
3298.80	H	57.24	-39.44	10.32	1.15	-30.27	-13.00	17.27
3298.80	V	60.42	-36.02	10.32	1.15	-26.85	-13.00	13.85
4123.50	H	48.03	-47.96	10.83	1.27	-38.40	-13.00	25.40
4123.50	V	50.48	-45.48	10.83	1.27	-35.92	-13.00	22.92
4948.20	H	49.11	-43.76	11.14	1.51	-34.13	-13.00	21.13
4948.20	V	49.15	-43.72	11.14	1.51	-34.09	-13.00	21.09
287.60	H	38.04	-72.97	0.00	0.33	-73.30	-13.00	60.30
479.90	V	48.53	-54.87	0.00	0.41	-55.28	-13.00	42.28
QPSK, Frequency: 836.5 MHz								
1673.00	H	43.88	-60.43	8.71	0.85	-52.57	-13.00	39.57
1673.00	V	48.66	-55.75	8.71	0.85	-47.89	-13.00	34.89
2509.50	H	46.09	-54.52	9.42	1.01	-46.11	-13.00	33.11
2509.50	V	47.91	-52.71	9.42	1.01	-44.30	-13.00	31.30
3346.00	H	59.11	-38.05	10.34	1.16	-28.87	-13.00	15.87
3346.00	V	61.10	-35.92	10.34	1.16	-26.74	-13.00	13.74
4182.50	H	51.45	-44.50	10.79	1.32	-35.03	-13.00	22.03
4182.50	V	54.56	-41.36	10.79	1.32	-31.89	-13.00	18.89
5019.00	H	47.95	-45.06	11.21	1.45	-35.30	-13.00	22.30
5019.00	V	49.59	-43.29	11.21	1.45	-33.53	-13.00	20.53
221.60	H	39.91	-72.55	0.00	0.27	-72.82	-13.00	59.82
479.90	V	47.45	-55.95	0.00	0.41	-56.36	-13.00	43.36
QPSK, Frequency: 848.3 MHz								
1696.60	H	46.72	-57.57	8.74	0.89	-49.72	-13.00	36.72
1696.60	V	50.70	-53.72	8.74	0.89	-45.87	-13.00	32.87
2544.90	H	50.93	-49.41	9.47	1.01	-40.95	-13.00	27.95
2544.90	V	51.93	-48.37	9.47	1.01	-39.91	-13.00	26.91
3393.20	H	60.39	-37.28	10.36	1.19	-28.11	-13.00	15.11
3393.20	V	60.68	-36.95	10.36	1.19	-27.78	-13.00	14.78
4241.50	H	52.06	-44.03	10.76	1.31	-34.58	-13.00	21.58
4241.50	V	56.93	-39.08	10.76	1.31	-29.63	-13.00	16.63
5089.80	H	47.43	-45.83	11.25	1.52	-36.10	-13.00	23.10
5089.80	V	47.92	-45.25	11.25	1.52	-35.52	-13.00	22.52
432.20	H	38.57	-69.88	0.00	0.40	-70.28	-13.00	57.28
479.90	V	48.32	-55.08	0.00	0.41	-55.49	-13.00	42.49

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								
1399.40	H	56.26	-47.44	8.22	0.71	-39.93	-13.00	26.93
1399.40	V	53.34	-50.41	8.22	0.71	-42.90	-13.00	29.90
2099.10	H	37.65	-64.23	9.16	0.91	-55.98	-13.00	42.98
2099.10	V	37.11	-64.72	9.16	0.91	-56.47	-13.00	43.47
2798.80	H	48.79	-51.14	9.88	1.04	-42.30	-13.00	29.30
2798.80	V	50.07	-49.73	9.88	1.04	-40.89	-13.00	27.89
3498.50	H	41.78	-56.07	10.40	1.18	-46.85	-13.00	33.85
3498.50	V	45.26	-52.53	10.40	1.18	-43.31	-13.00	30.31
479.90	H	36.96	-70.37	0.00	0.41	-70.78	-13.00	57.78
479.90	V	48.23	-55.17	0.00	0.41	-55.58	-13.00	42.58
QPSK, Frequency: 707.5 MHz								
1415.00	H	60.17	-43.50	8.26	0.72	-35.96	-13.00	22.96
1415.00	V	56.65	-47.07	8.26	0.72	-39.53	-13.00	26.53
2122.50	H	36.46	-65.53	9.17	0.92	-57.28	-13.00	44.28
2122.50	V	36.99	-64.98	9.17	0.92	-56.73	-13.00	43.73
2830.00	H	46.11	-53.69	9.93	1.06	-44.82	-13.00	31.82
2830.00	V	46.80	-52.93	9.93	1.06	-44.06	-13.00	31.06
3537.50	H	39.16	-58.58	10.44	1.21	-49.35	-13.00	36.35
3537.50	V	40.38	-57.27	10.44	1.21	-48.04	-13.00	35.04
715.70	H	43.45	-60.80	0.00	0.50	-61.30	-13.00	48.30
479.90	V	46.57	-56.83	0.00	0.41	-57.24	-13.00	44.24
QPSK, Frequency: 715.3 MHz								
1430.60	H	53.34	-50.29	8.31	0.73	-42.71	-13.00	29.71
1430.60	V	51.90	-51.79	8.31	0.73	-44.21	-13.00	31.21
2145.90	H	36.12	-65.98	9.19	0.93	-57.72	-13.00	44.72
2145.90	V	35.34	-66.77	9.19	0.93	-58.51	-13.00	45.51
2861.20	H	47.72	-51.93	9.98	1.07	-43.02	-13.00	30.02
2861.20	V	48.81	-50.86	9.98	1.07	-41.95	-13.00	28.95
3576.50	H	42.70	-54.92	10.48	1.23	-45.67	-13.00	32.67
3576.50	V	45.68	-51.82	10.48	1.23	-42.57	-13.00	29.57
432.20	H	37.47	-70.98	0.00	0.40	-71.38	-13.00	58.38
479.90	V	47.51	-55.89	0.00	0.41	-56.30	-13.00	43.30

LTE Band 13(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: 779.5 MHz								
1559.00	H	39.97	-64.02	8.57	0.80	-56.25	-40.00	16.25
1559.00	V	38.72	-65.33	8.57	0.80	-57.56	-40.00	17.56
2338.50	H	36.03	-65.56	9.30	0.97	-57.23	-13.00	44.23
2338.50	V	35.72	-65.64	9.30	0.97	-57.31	-13.00	44.31
3118.00	H	35.27	-62.22	10.25	1.13	-53.10	-13.00	40.10
3118.00	V	36.64	-60.71	10.25	1.13	-51.59	-13.00	38.59
479.90	H	39.85	-67.48	0.00	0.41	-67.89	-13.00	54.89
479.90	V	48.35	-55.05	0.00	0.41	-55.46	-13.00	42.46
QPSK, Frequency: 784.5 MHz								
1569.00	H	39.73	-64.35	8.58	0.81	-56.58	-40.00	16.58
1569.00	V	40.44	-63.69	8.58	0.81	-55.92	-40.00	15.92
2353.50	H	36.71	-64.74	9.31	0.97	-56.40	-13.00	43.40
2353.50	V	35.73	-65.49	9.31	0.97	-57.15	-13.00	44.15
3138.00	H	36.41	-60.99	10.26	1.14	-51.87	-13.00	38.87
3138.00	V	36.50	-60.73	10.26	1.14	-51.61	-13.00	38.61
479.90	H	38.44	-68.89	0.00	0.41	-69.30	-13.00	56.30
479.90	V	47.93	-55.47	0.00	0.41	-55.88	-13.00	42.88

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								
1413.00	H	54.86	-48.81	8.26	0.72	-41.27	-13.00	28.27
1413.00	V	51.92	-51.80	8.26	0.72	-44.26	-13.00	31.26
2119.50	H	35.58	-66.39	9.17	0.92	-58.14	-13.00	45.14
2119.50	V	35.22	-66.73	9.17	0.92	-58.48	-13.00	45.48
2826.00	H	40.17	-59.64	9.92	1.06	-50.78	-13.00	37.78
2826.00	V	40.60	-59.14	9.92	1.06	-50.28	-13.00	37.28
3532.50	H	35.68	-62.07	10.43	1.21	-52.85	-13.00	39.85
3532.50	V	36.63	-61.04	10.43	1.21	-51.82	-13.00	38.82
287.60	H	41.55	-69.46	0.00	0.33	-69.79	-13.00	56.79
479.90	V	49.30	-54.10	0.00	0.41	-54.51	-13.00	41.51
QPSK, Frequency: 710 MHz								
1420.00	H	56.21	-47.45	8.28	0.73	-39.90	-13.00	26.90
1420.00	V	52.21	-51.50	8.28	0.73	-43.95	-13.00	30.95
2130.00	H	35.85	-66.17	9.18	0.92	-57.91	-13.00	44.91
2130.00	V	36.74	-65.27	9.18	0.92	-57.01	-13.00	44.01
2840.00	H	44.94	-54.81	9.94	1.06	-45.93	-13.00	32.93
2840.00	V	44.85	-54.86	9.94	1.06	-45.98	-13.00	32.98
3550.00	H	39.15	-58.55	10.45	1.22	-49.32	-13.00	36.32
3550.00	V	40.92	-56.68	10.45	1.22	-47.45	-13.00	34.45
287.60	H	42.23	-68.78	0.00	0.33	-69.11	-13.00	56.11
479.90	V	47.80	-55.60	0.00	0.41	-56.01	-13.00	43.01
QPSK, Frequency: 713.5 MHz								
1427.00	H	36.44	-67.20	8.30	0.73	-59.63	-13.00	46.63
1427.00	V	52.00	-51.69	8.30	0.73	-44.12	-13.00	31.12
2140.50	H	36.30	-65.77	9.18	0.93	-57.52	-13.00	44.52
2140.50	V	35.85	-66.23	9.18	0.93	-57.98	-13.00	44.98
2854.00	H	36.24	-63.45	9.97	1.07	-54.55	-13.00	41.55
2854.00	V	45.23	-54.45	9.97	1.07	-45.55	-13.00	32.55
3567.50	H	34.89	-62.76	10.47	1.23	-53.52	-13.00	40.52
3567.50	V	41.74	-55.79	10.47	1.23	-46.55	-13.00	33.55
287.60	H	40.83	-70.18	0.00	0.33	-70.51	-13.00	57.51
479.90	V	47.27	-56.13	0.00	0.41	-56.54	-13.00	43.54

LTE Band 66(30MHz-20GHz):

BTE Band 60 (30.0 MHz To 60.0 MHz)								
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								
3421.40	H	37.13	-60.63	10.37	1.17	-51.43	-13.00	38.43
3421.40	V	35.47	-62.26	10.37	1.17	-53.06	-13.00	40.06
5132.10	H	45.36	-48.21	11.28	1.47	-38.40	-13.00	25.40
5132.10	V	38.33	-55.13	11.28	1.47	-45.32	-13.00	32.32
479.90	H	40.12	-67.21	0.00	0.41	-67.62	-13.00	54.62
479.90	V	50.04	-53.36	0.00	0.41	-53.77	-13.00	40.77
QPSK, Frequency: 1745 MHz								
3490.00	H	36.21	-61.63	10.40	1.17	-52.40	-13.00	39.40
3490.00	V	37.32	-60.46	10.40	1.17	-51.23	-13.00	38.23
5235.00	H	46.36	-47.54	11.34	1.46	-37.66	-13.00	24.66
5235.00	V	38.66	-55.05	11.34	1.46	-45.17	-13.00	32.17
479.90	H	39.79	-67.54	0.00	0.41	-67.95	-13.00	54.95
479.90	V	48.42	-54.98	0.00	0.41	-55.39	-13.00	42.39
QPSK, Frequency: 1779.3 MHz								
3558.60	H	36.75	-60.92	10.46	1.22	-51.68	-13.00	38.68
3558.60	V	37.68	-59.89	10.46	1.22	-50.65	-13.00	37.65
5337.90	H	42.04	-51.43	11.40	1.47	-41.50	-13.00	28.50
5337.90	V	40.77	-52.56	11.40	1.47	-42.63	-13.00	29.63
210.40	H	44.07	-68.61	0.00	0.26	-68.87	-13.00	55.87
479.90	V	48.78	-54.62	0.00	0.41	-55.03	-13.00	42.03

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 *******