



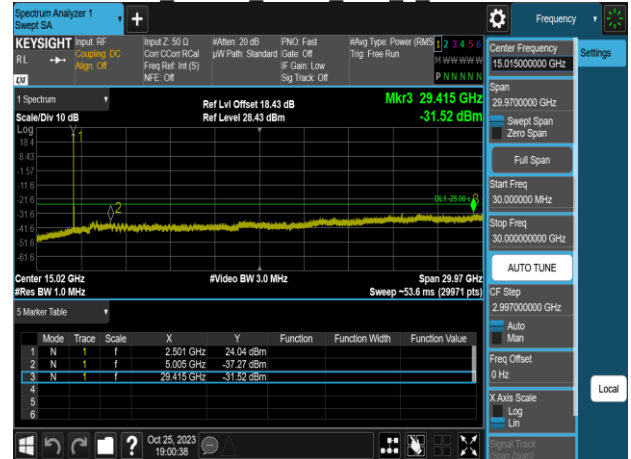
Report No.: TMWK2310003861KR

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Rev.: 01

Band5 1.4MHz QPSK RB1 0 CH20407



Band7 20MHz QPSK RB1 0 CH20850



Band5 1.4MHz QPSK RB1 0 CH20525



Band7 20MHz QPSK RB1 0 CH21100



Band5 1.4MHz QPSK RB1 0 CH20643



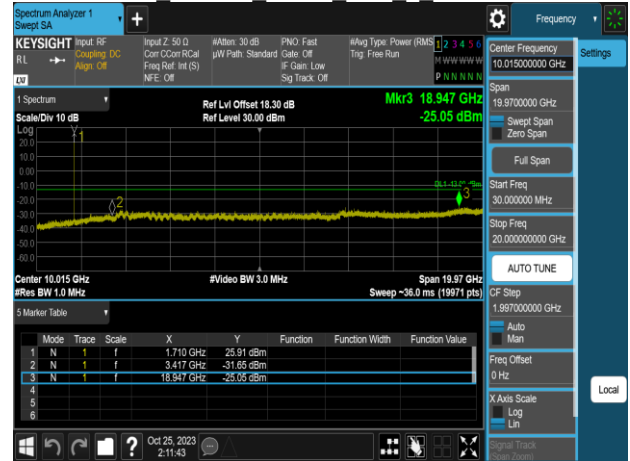
Band7 20MHz QPSK RB1 0 CH21350



Band40 10MHz QPSK RB1 0 CH38750



Band66 1.4MHz QPSK RB1 0 CH131979



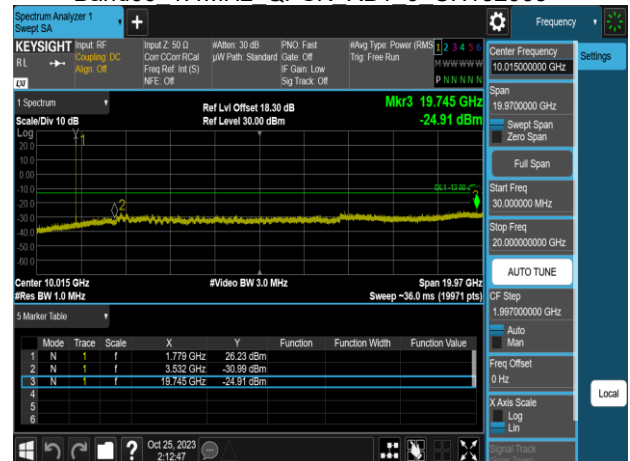
Band40 10MHz QPSK RB1 0 CH39200



Band66 1.4MHz QPSK RB1 0 CH132322



Band66 1.4MHz QPSK RB1 0 CH132665



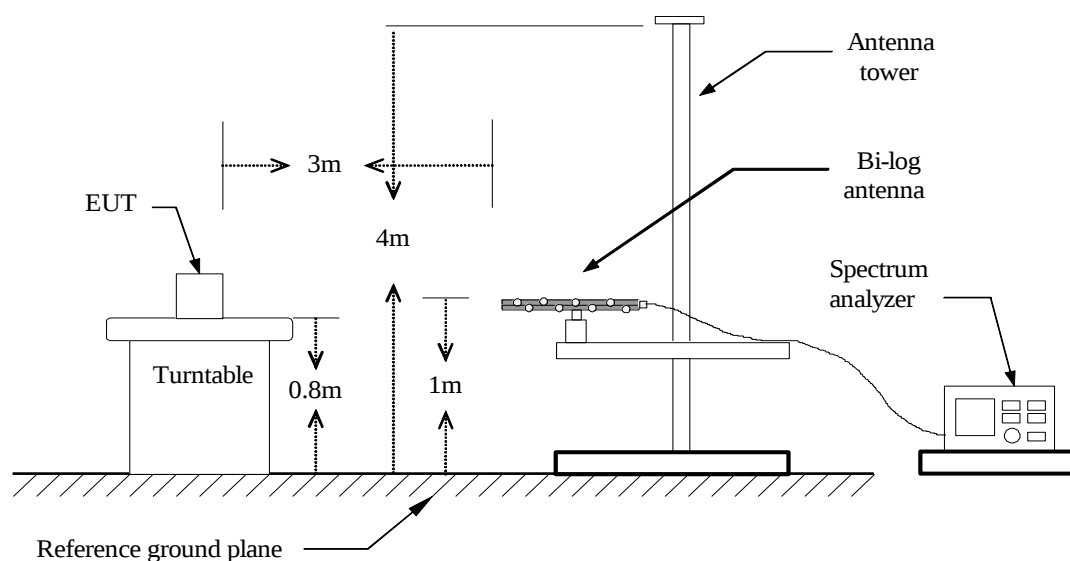
8.7 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

LIMIT

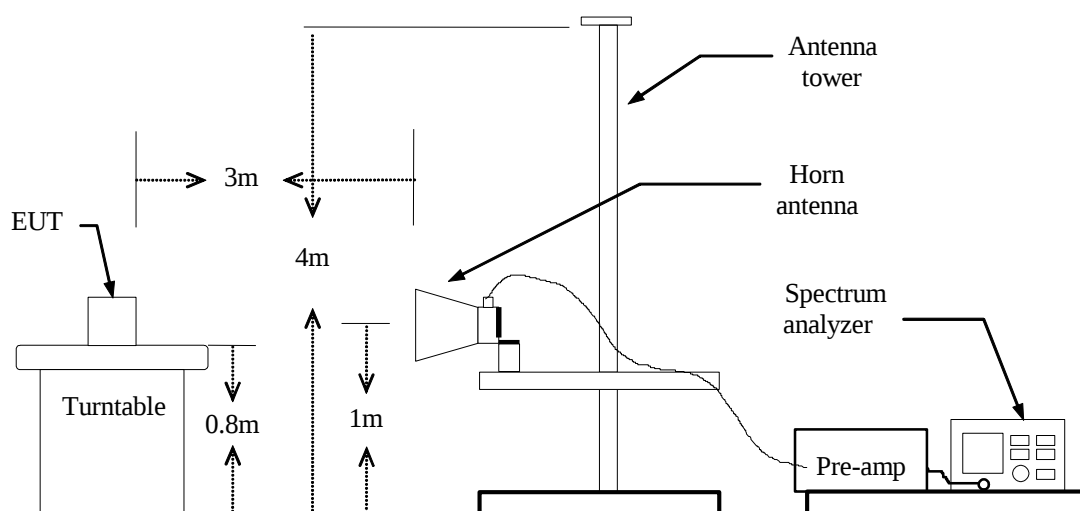
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

Test Configuration

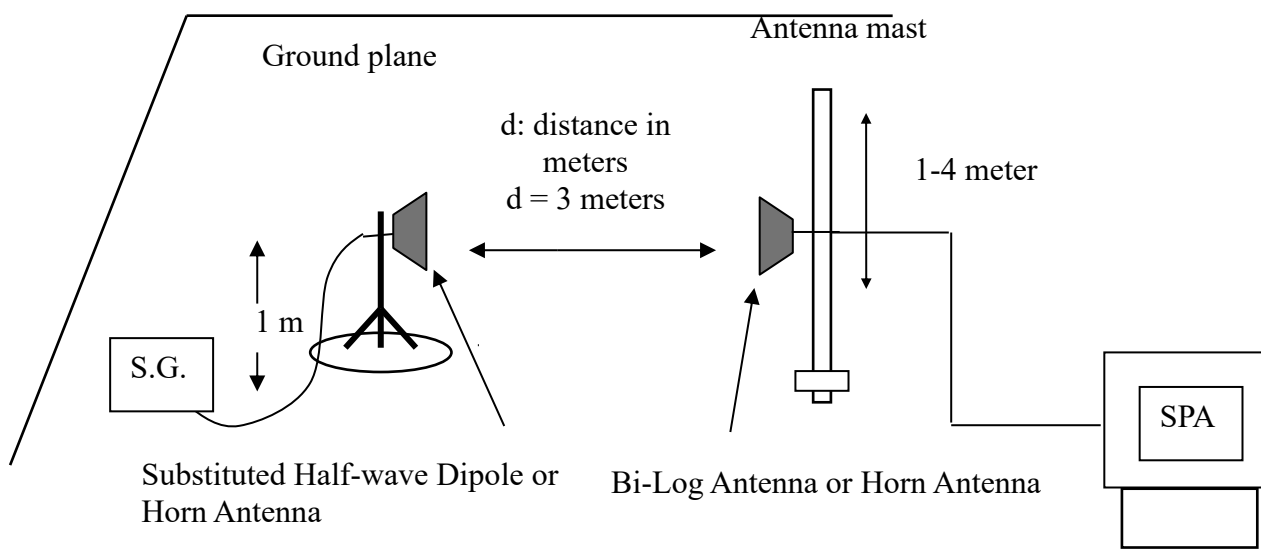
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up

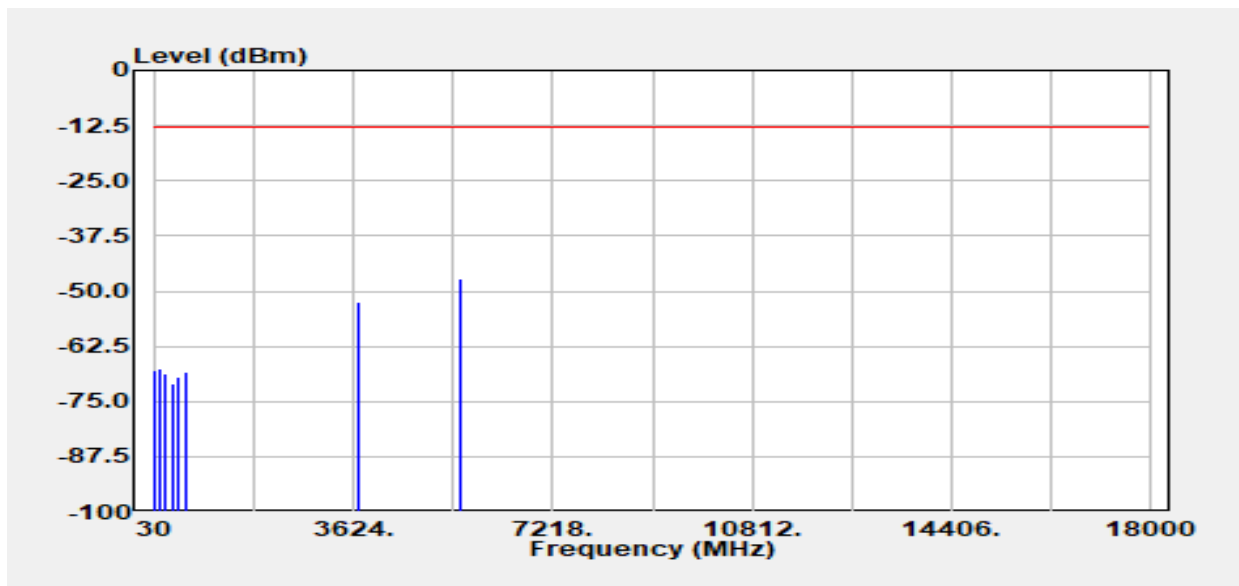


TEST PROCEDURE

1. According to KDB 971168 D01 and ANSI C63.26.
2. The EUT was placed on a turntable
 - (1) Below 1G : 0.8m
 - (2) Above 1G : 1.5m
 - (3) EUT set 3m from the receiving antenna
 - (4) The table was rotated 360 degrees of the highest spurious emission to determine the position.
3. Set the spectrum analyzer , RBW=1MHz, VBW=3MHz.
4. A horn antenna was driven by a signal generator.
5. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission

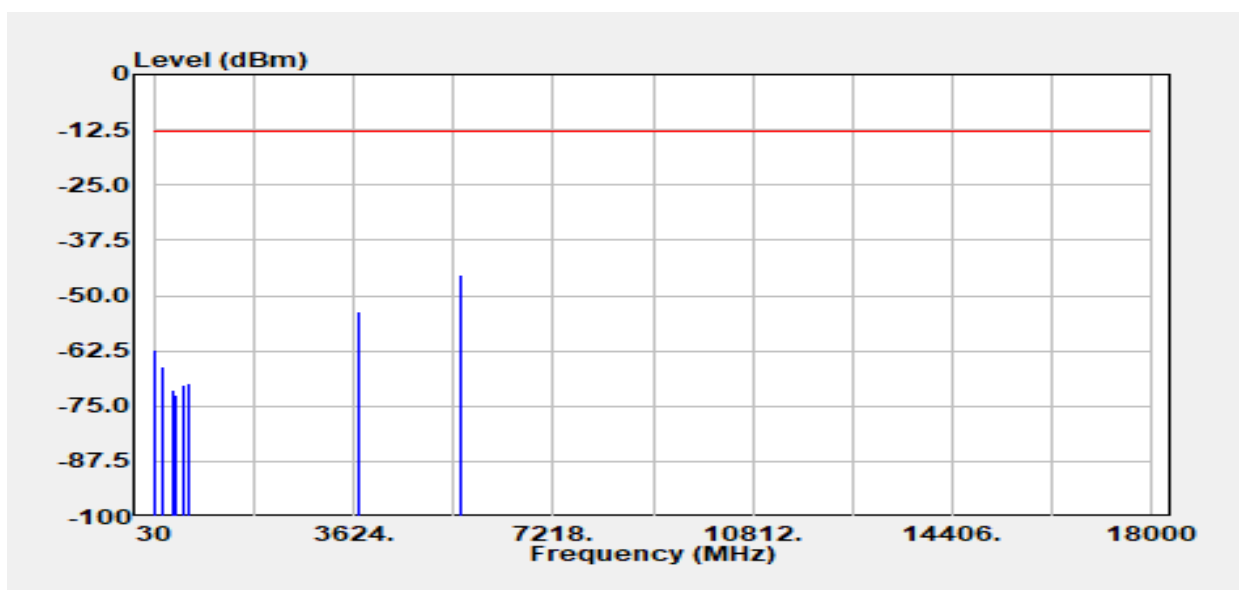
Project No :TM-2310000293P
Operation :LTE_Band2_CH18607_1.4M_QPSK(1,
Band 0)
Frequency :1850.7 MHz
Operation :TX
Mode :TX
EUT Pol :E2

Test Date :2023-10-30
Temp./Humi. :24.8/61
Antenna Pol. :VERTICAL
Engineer :Czerny.Lin
Test Chamber : 966A



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.56	-67.82	-44.79	-22.94	0.09	-13.00	-54.82
144.36	-67.66	-62.07	-5.39	0.21	-13.00	-54.66
245.92	-68.69	-68.72	0.31	0.28	-13.00	-55.69
355.34	-70.98	-71.49	0.86	0.36	-13.00	-57.98
475.72	-69.47	-69.31	0.27	0.44	-13.00	-56.47
622.57	-68.38	-68.77	0.89	0.51	-13.00	-55.38
3701.40	-52.59	-59.15	7.80	1.23	-13.00	-39.59
5552.10	-47.07	-55.80	10.20	1.48	-13.00	-34.07

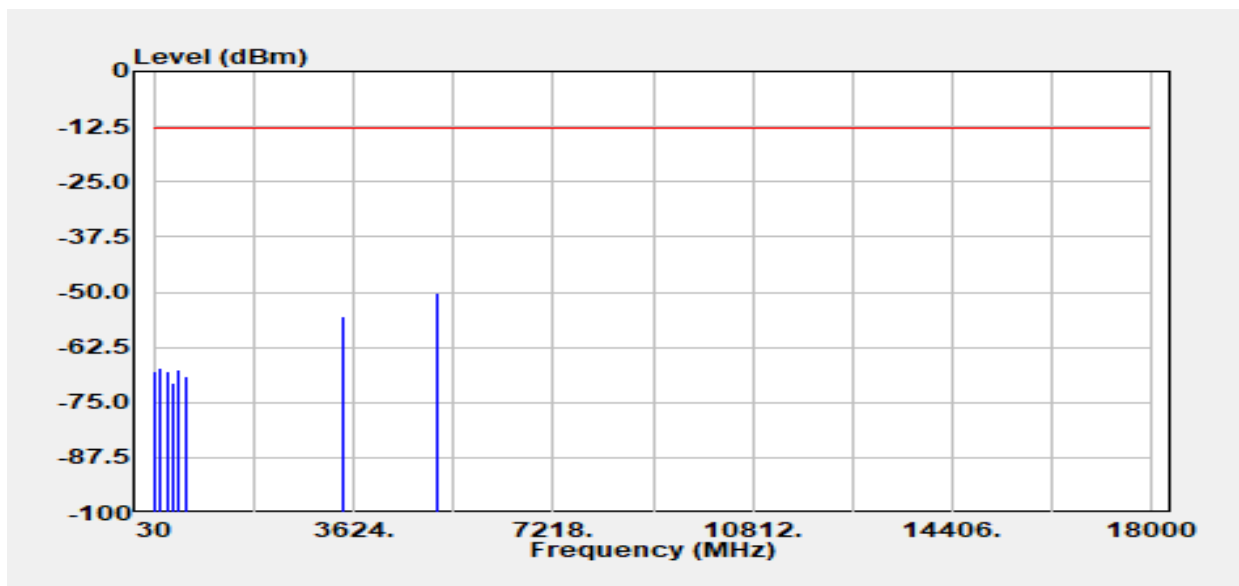
Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation	:LTE_Band2_CH18607_1.4M_QPSK(1,	Temp./Humi.	:24.8/61
Band	0)	Antenna Pol.	:HORIZONTAL
Frequency	:1850.7 MHz	Engineer	:Czerny.Lin
Operation	:TX	Test Chamber	: 966A
Mode			
EUT Pol	:E2		



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.58	-62.21	-35.45	-26.67	0.09	-13.00	-49.21
194.22	-65.94	-63.97	-1.72	0.25	-13.00	-52.94
355.34	-71.16	-71.67	0.86	0.36	-13.00	-58.16
425.37	-72.57	-72.70	0.53	0.41	-13.00	-59.57
574.36	-70.06	-70.31	0.74	0.49	-13.00	-57.06
659.82	-69.64	-70.06	0.94	0.52	-13.00	-56.64
3701.40	-53.54	-60.11	7.80	1.23	-13.00	-40.54
5552.10	-45.33	-54.06	10.20	1.48	-13.00	-32.33

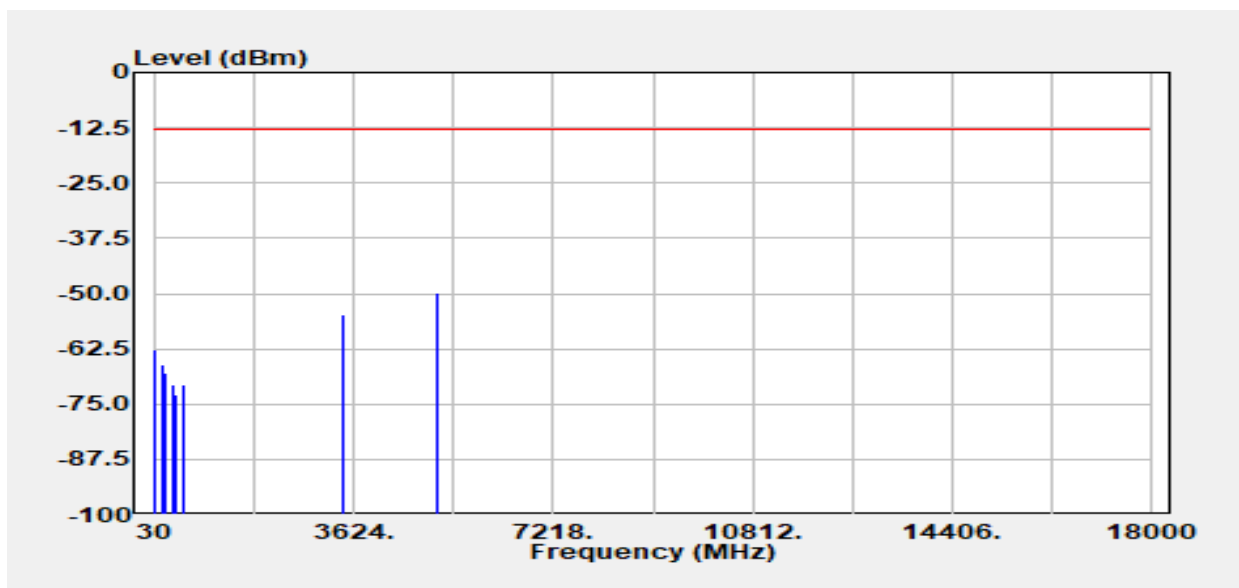
Project No :TM-2310000293P
Operation :LTE_Band4_CH19957_1.4M_Q
Band PSK(1,0)
Frequency :1710.7 MHz
Operation :TX
Mode :
EUT Pol :E2
Setting :

Test Date :2023-10-30
Temp./Humi. :24.8/61
Antenna Pol. :VERTICAL
Engineer :Czerny.Lin
Test Chamber : 966A



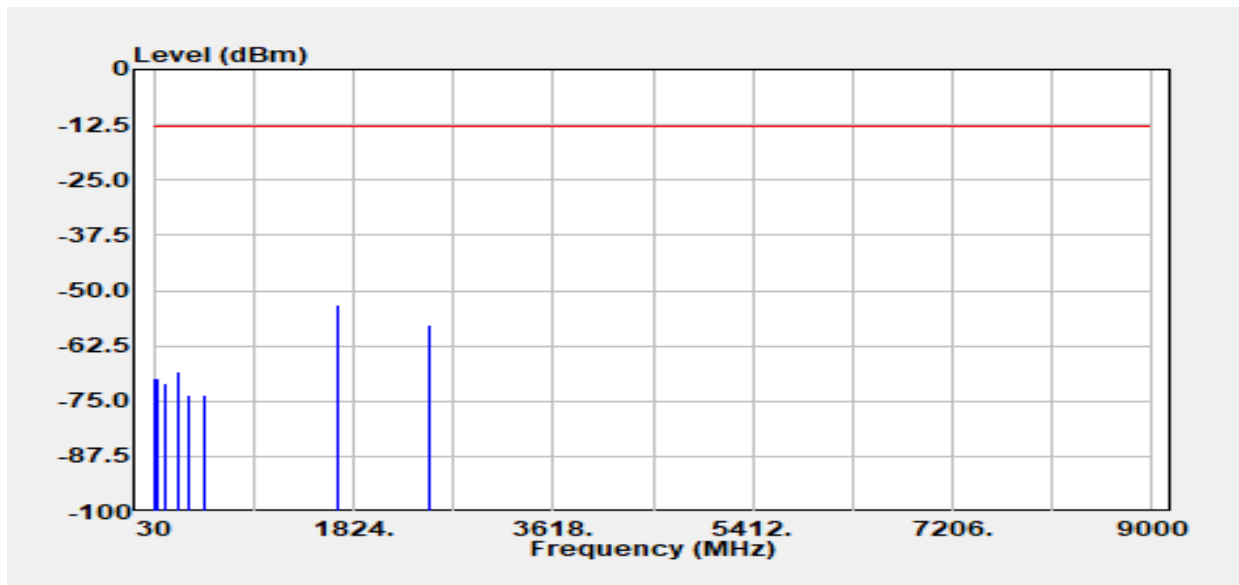
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
35.04	-67.93	-45.61	-22.23	0.10	-13.00	-54.93
141.65	-67.28	-61.32	-5.76	0.20	-13.00	-54.28
259.89	-67.86	-68.03	0.47	0.29	-13.00	-54.86
355.34	-70.43	-70.93	0.86	0.36	-13.00	-57.43
479.69	-67.69	-67.44	0.19	0.44	-13.00	-54.69
595.51	-68.93	-69.99	1.56	0.50	-13.00	-55.93
3420.40	-55.43	3.79	7.84	1.19	-13.00	-42.43
5130.60	-50.06	6.73	10.04	1.43	-13.00	-37.06

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation	:LTE_Band4_CH19957_1.4M_QPSK	Temp./Humi.	:24.8/61
Band	(1,0)	Antenna Pol.	:HORIZONTAL
Frequency	:1710.7 MHz	Engineer	:Czerny.Lin
Operation	:TX	Test Chamber	: 966A
Mode	:E2		
EUT Pol	:		
Setting	:		



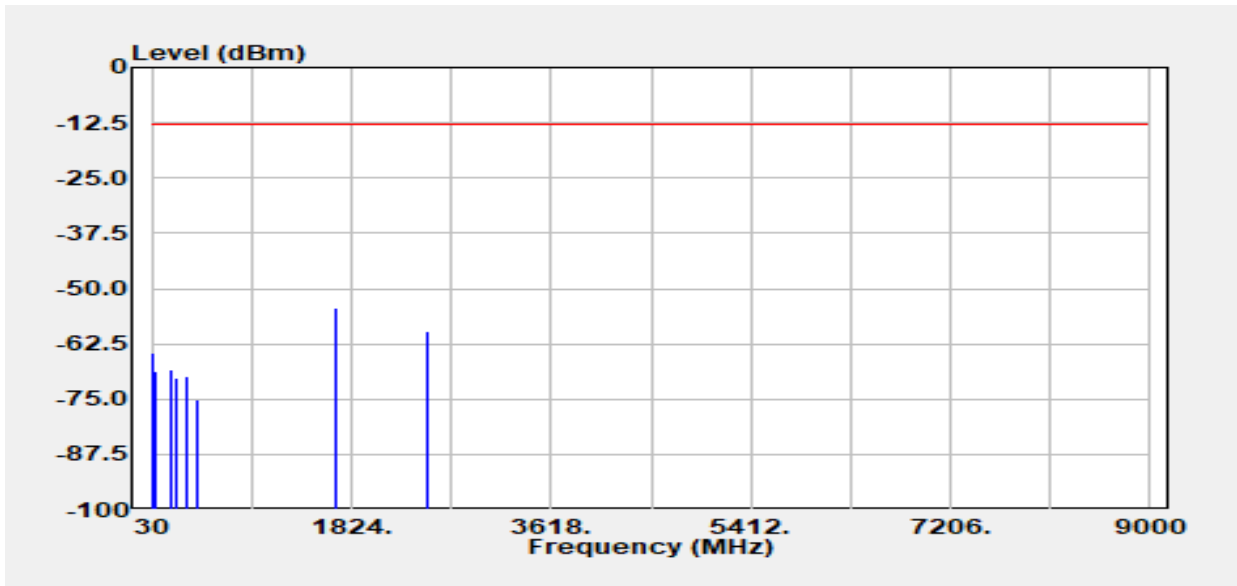
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
31.07	-62.56	-36.32	-26.15	0.09	-13.00	-49.56
194.90	-65.86	-63.79	-1.82	0.25	-13.00	-52.86
249.80	-68.08	-68.40	0.60	0.28	-13.00	-55.08
355.34	-70.39	-70.89	0.86	0.36	-13.00	-57.39
439.73	-72.67	-72.59	0.34	0.41	-13.00	-59.67
573.78	-70.54	-70.79	0.73	0.49	-13.00	-57.54
3420.40	-54.73	3.90	7.84	1.19	-13.00	-41.73
5130.60	-49.85	6.81	10.04	1.43	-13.00	-36.85

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation Band	:LTE_Band5_CH20525_1.4M_QP SK(1,0)	Temp./Humi.	:24.8/61
Frequency	:836.5 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Czerny.Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



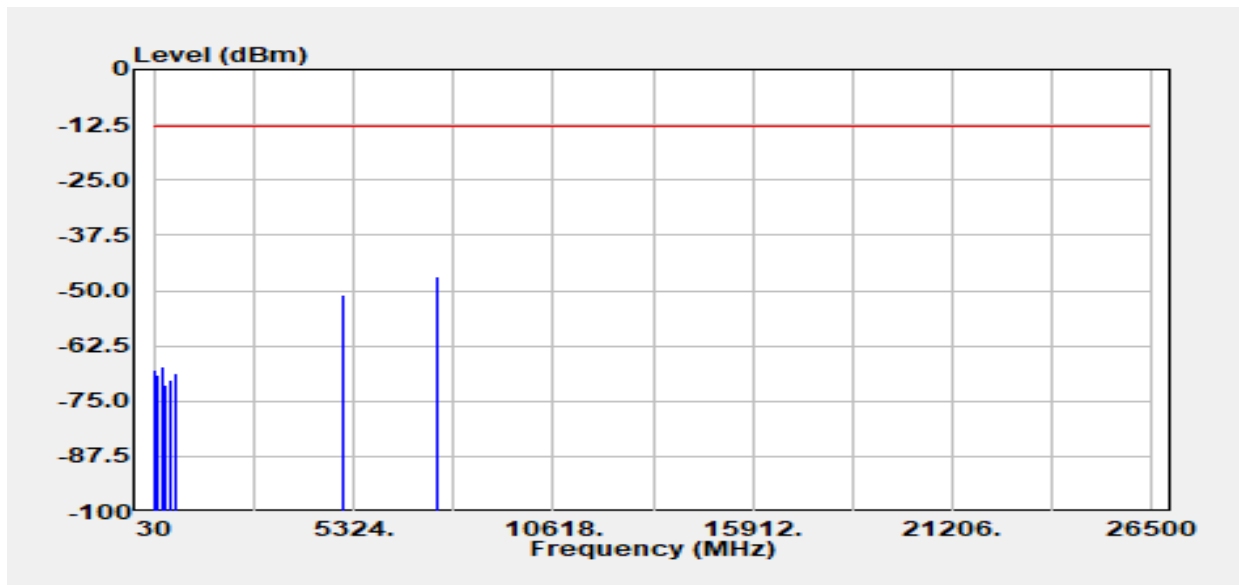
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.66	-69.63	-46.74	-22.79	0.09	-13.00	-56.63
64.44	-69.83	-62.38	-7.32	0.13	-13.00	-56.83
142.04	-70.85	-64.95	-5.70	0.20	-13.00	-57.85
253.20	-68.42	-68.86	0.73	0.29	-13.00	-55.42
355.34	-73.63	-74.13	0.86	0.36	-13.00	-60.63
483.18	-73.69	-73.49	0.24	0.44	-13.00	-60.69
1673.00	-53.30	-58.12	5.66	0.84	-13.00	-40.30
2509.50	-57.75	-62.38	5.66	1.02	-13.00	-44.75

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation Band	:LTE_Band5_CH20525_1.4M_QP SK(1,0)	Temp./Humi.	:24.8/61
Frequency	:836.5 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Czerny.Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



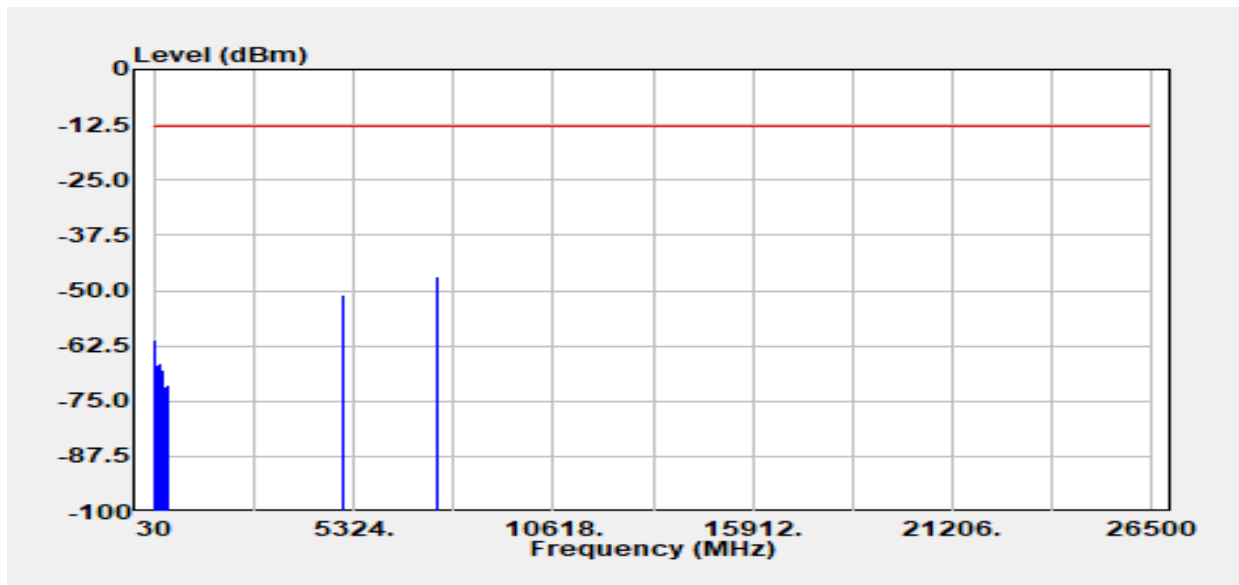
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.29	-64.56	-37.48	-26.99	0.09	-13.00	-51.56
65.02	-68.80	-61.49	-7.18	0.14	-13.00	-55.80
194.32	-68.18	-66.20	-1.74	0.25	-13.00	-55.18
253.20	-70.30	-70.74	0.73	0.29	-13.00	-57.30
355.34	-69.80	-70.30	0.86	0.36	-13.00	-56.80
431.97	-75.20	-75.28	0.49	0.41	-13.00	-62.20
1673.00	-54.50	-59.32	5.66	0.84	-13.00	-41.50
2509.50	-59.69	-64.32	5.66	1.02	-13.00	-46.69

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation Band	:LTE_Band7_CH20850_20M_QPS K(1,99)	Temp./Humi.	:24.8/61
Frequency	:2510 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Czerny.Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



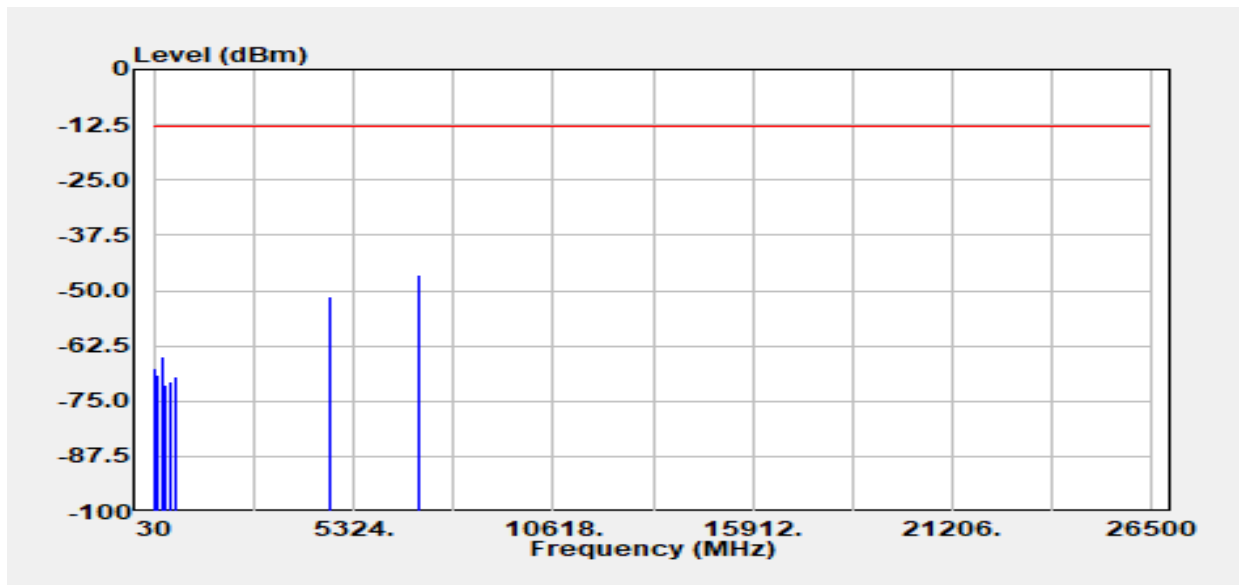
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
45.71	-67.94	-55.39	-12.44	0.11	-13.00	-54.94
148.73	-69.16	-64.15	-4.80	0.21	-13.00	-56.16
259.89	-67.35	-67.52	0.47	0.29	-13.00	-54.35
355.34	-71.19	-71.69	0.86	0.36	-13.00	-58.19
483.67	-70.24	-70.05	0.25	0.44	-13.00	-57.24
575.92	-68.65	-68.95	0.78	0.49	-13.00	-55.65
5037.80	-50.88	6.51	9.85	1.41	-13.00	-37.88
7556.70	-46.89	9.93	11.71	1.67	-13.00	-33.89

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation Band	:LTE_Band7_CH20850_20M_QPS K(1,99)	Temp./Humi.	:24.8/61
Frequency	:2510 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Czerny.Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



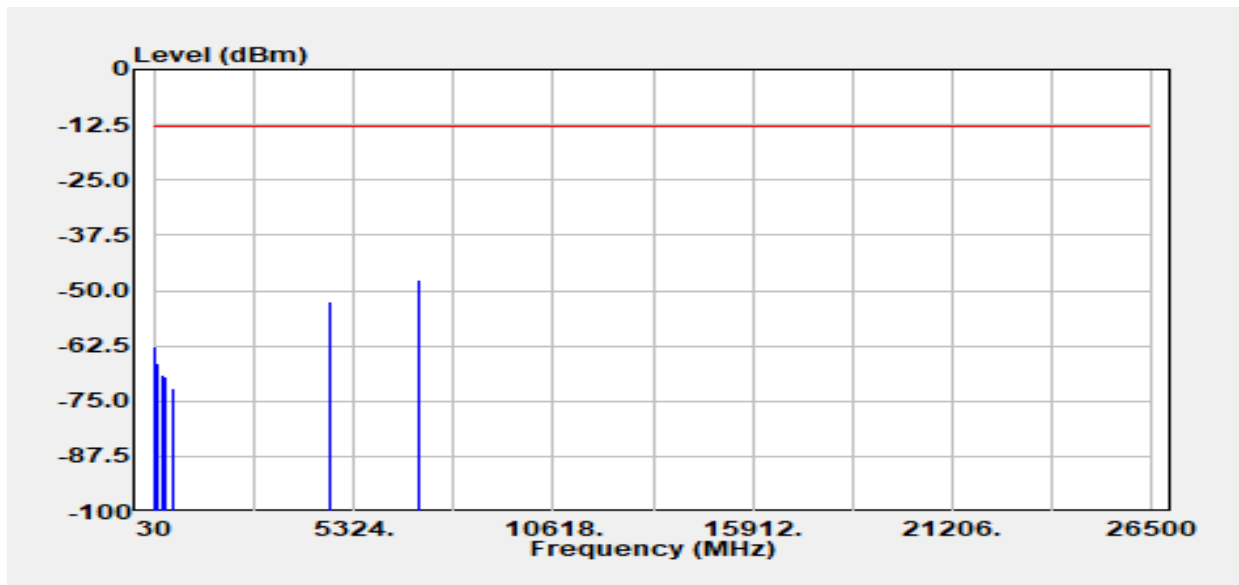
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.19	-61.24	-34.06	-27.09	0.09	-13.00	-48.24
149.89	-66.93	-61.90	-4.82	0.21	-13.00	-53.93
194.32	-66.53	-64.55	-1.74	0.25	-13.00	-53.53
253.59	-67.78	-68.23	0.74	0.29	-13.00	-54.78
355.34	-71.62	-72.12	0.86	0.36	-13.00	-58.62
432.07	-71.28	-71.36	0.49	0.41	-13.00	-58.28
5037.80	-50.99	-59.42	9.85	1.41	-13.00	-37.99
7556.70	-46.84	-56.87	11.71	1.67	-13.00	-33.84

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation Band	:LTE_Band40_CH39150_10M_QP SK(1,49)	Temp./Humi.	:24.8/61
Frequency	:2350 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Czerny.Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



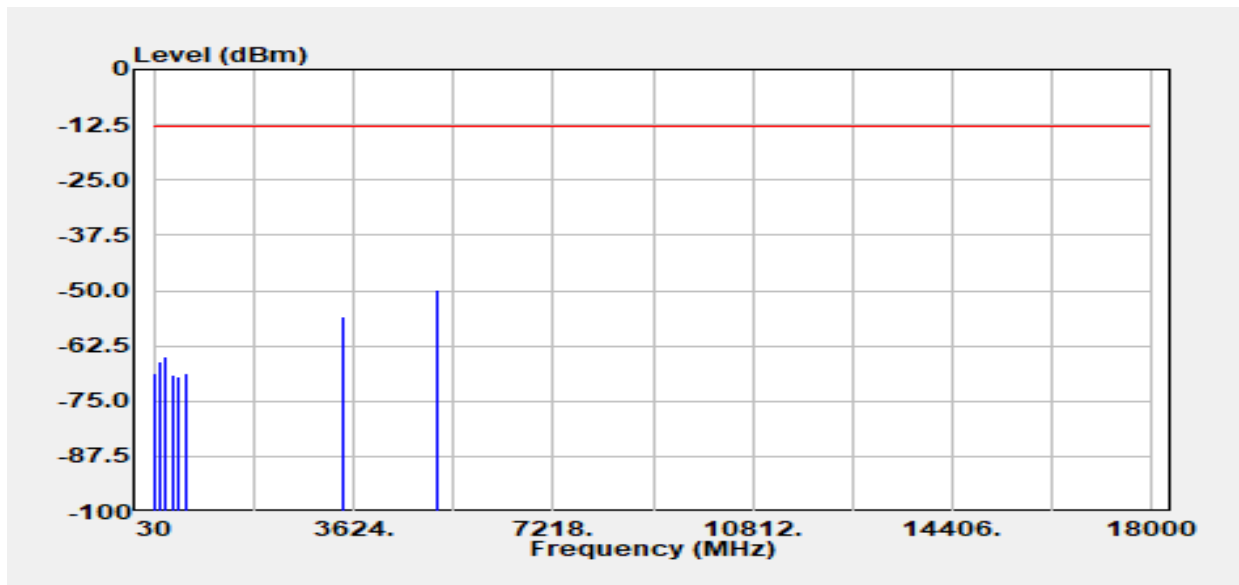
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
34.46	-67.53	-44.35	-23.09	0.09	-13.00	-54.53
145.33	-68.98	-63.57	-5.20	0.21	-13.00	-55.98
253.20	-64.94	-65.38	0.73	0.29	-13.00	-51.94
355.34	-71.32	-71.82	0.86	0.36	-13.00	-58.32
475.91	-70.52	-70.35	0.27	0.44	-13.00	-57.52
578.34	-69.30	-69.68	0.87	0.49	-13.00	-56.30
4708.60	-51.43	-59.29	9.23	1.38	-13.00	-38.43
7062.90	-46.50	-55.97	11.10	1.63	-13.00	-33.50

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation Band	:LTE_Band40_CH39150_10M_QP SK(1,49)	Temp./Humi.	:24.8/61
Frequency	:2350 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Czerny.Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



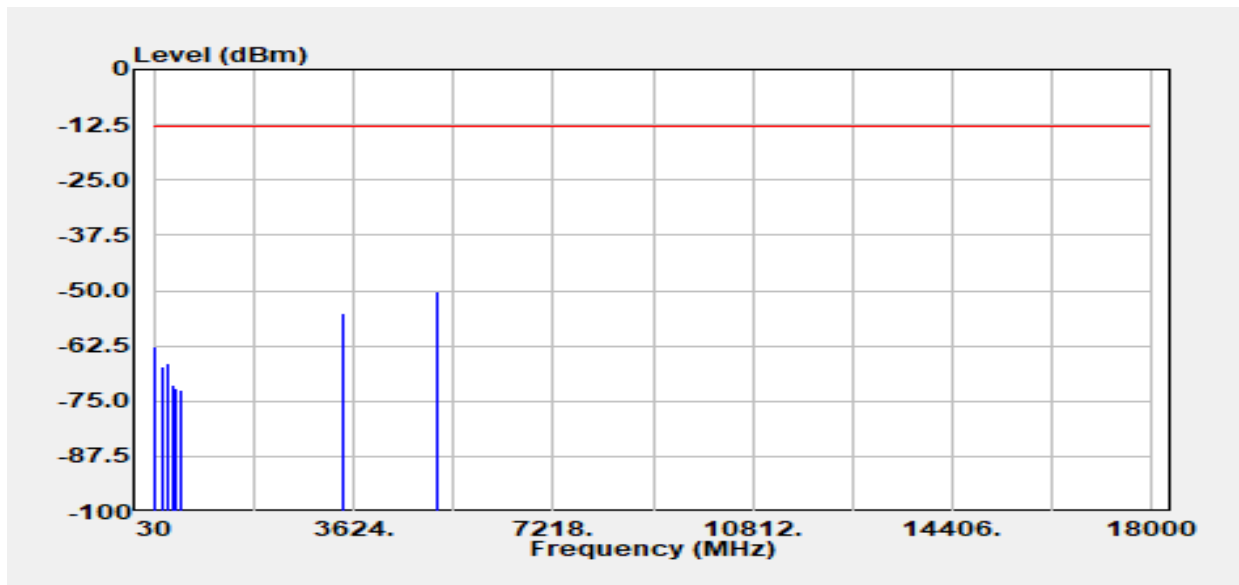
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.49	-62.59	-35.73	-26.78	0.09	-13.00	-49.59
65.11	-66.86	-59.57	-7.15	0.14	-13.00	-53.86
153.29	-66.46	-61.91	-4.33	0.21	-13.00	-53.46
249.32	-68.96	-69.24	0.57	0.28	-13.00	-55.96
354.47	-69.26	-69.76	0.86	0.36	-13.00	-56.26
529.74	-72.10	-72.58	0.94	0.46	-13.00	-59.10
4708.60	-52.63	-60.49	9.23	1.38	-13.00	-39.63
7062.90	-47.59	-57.07	11.10	1.63	-13.00	-34.59

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation Band	:LTE_Band66_CH131979_1.4M_Q PSK(1,0)	Temp./Humi.	:24.8/61
Frequency	:1710.7 MHz	Antenna Pol.	:VERTICAL
Operation Mode	:TX	Engineer	:Czerny.Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
45.23	-68.59	-55.61	-12.88	0.11	-13.00	-55.59
137.09	-66.00	-59.49	-6.31	0.20	-13.00	-53.00
253.20	-65.02	-65.46	0.73	0.29	-13.00	-52.02
355.34	-69.22	-69.72	0.86	0.36	-13.00	-56.22
479.98	-69.53	-69.27	0.18	0.44	-13.00	-56.53
603.85	-68.86	-69.88	1.52	0.50	-13.00	-55.86
3420.40	-55.94	-62.59	7.84	1.19	-13.00	-42.94
5130.60	-49.75	-58.36	10.04	1.43	-13.00	-36.75

Project No	:TM-2310000293P	Test Date	:2023-10-30
Operation Band	:LTE_Band66_CH131979_1.4M_Q PSK(1,0)	Temp./Humi.	:24.8/61
Frequency	:1710.7 MHz	Antenna Pol.	:HORIZONTAL
Operation Mode	:TX	Engineer	:Czerny.Lin
EUT Pol	:E2	Test Chamber	: 966A
Setting	:		



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
30.97	-62.61	-36.27	-26.25	0.09	-13.00	-49.61
195.00	-67.06	-64.98	-1.84	0.25	-13.00	-54.06
259.99	-66.33	-66.50	0.46	0.29	-13.00	-53.33
354.56	-71.26	-71.76	0.86	0.36	-13.00	-58.26
417.61	-72.17	-72.29	0.52	0.40	-13.00	-59.17
533.82	-72.53	-73.07	1.00	0.47	-13.00	-59.53
3420.40	-55.00	-61.65	7.84	1.19	-13.00	-42.00
5130.60	-50.08	-58.69	10.04	1.43	-13.00	-37.08