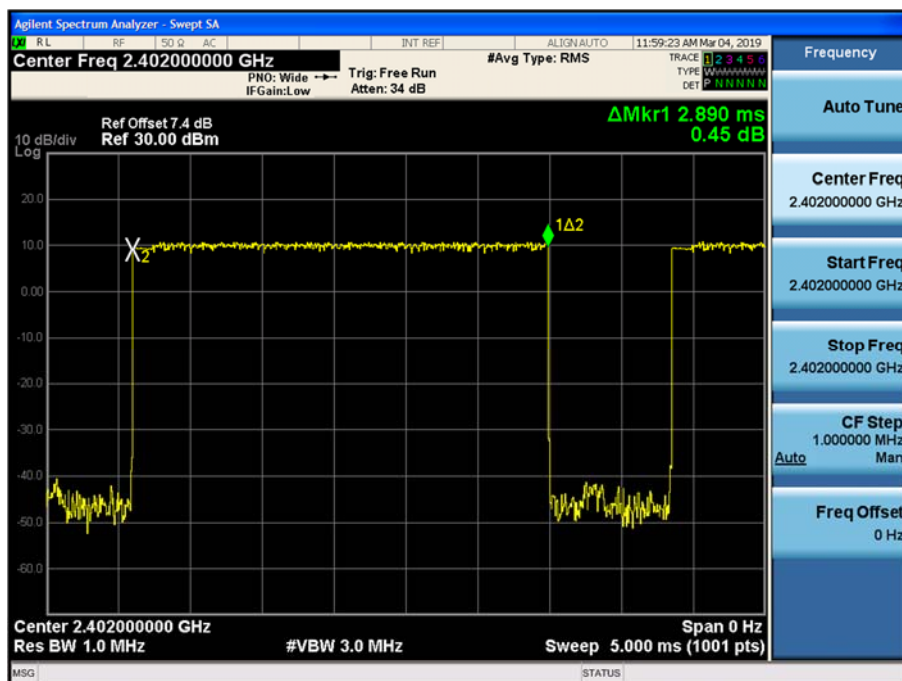


Report No.: HCT-RF-1903-FI011-R1

Test Plots (GFSK)
Dwell Time (CH.78)



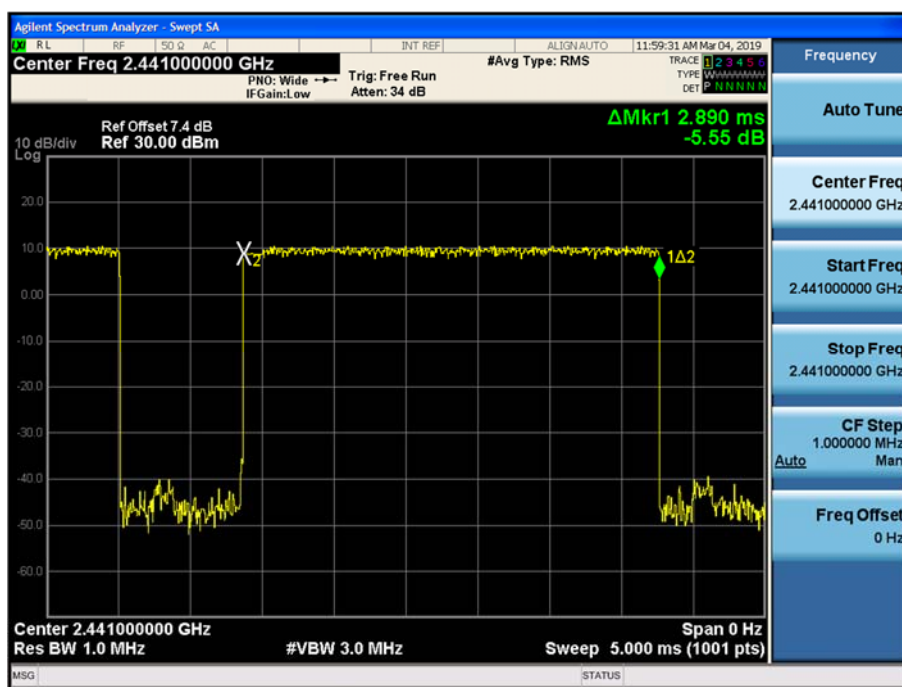
Test Plots (8DPSK)
Dwell Time (CH.0)



Report No.: HCT-RF-1903-FI011-R1

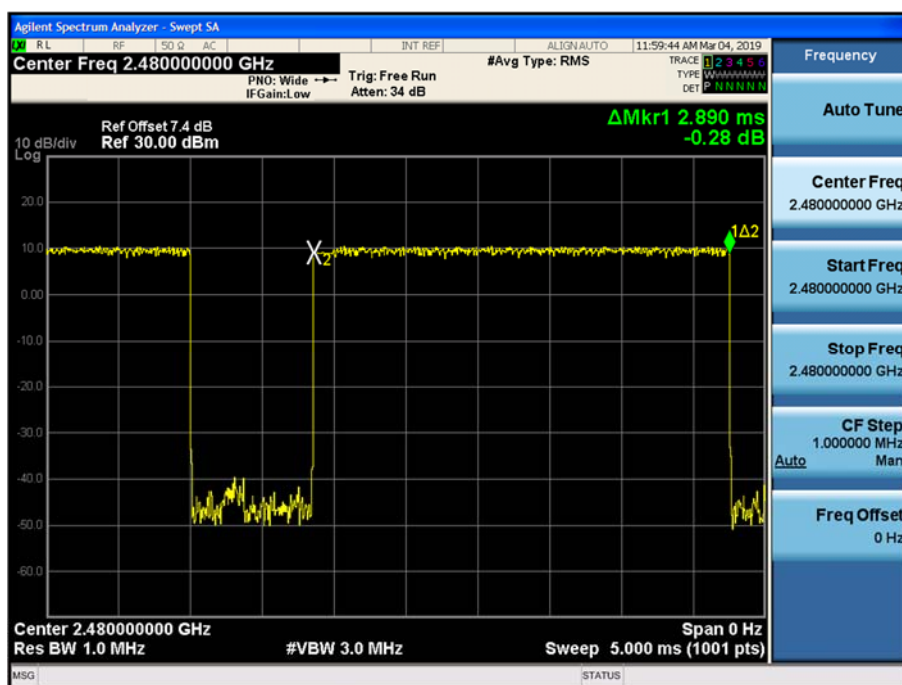
Test Plots (8DPSK)

Dwell Time (CH.39)



Test Plots (8DPSK)

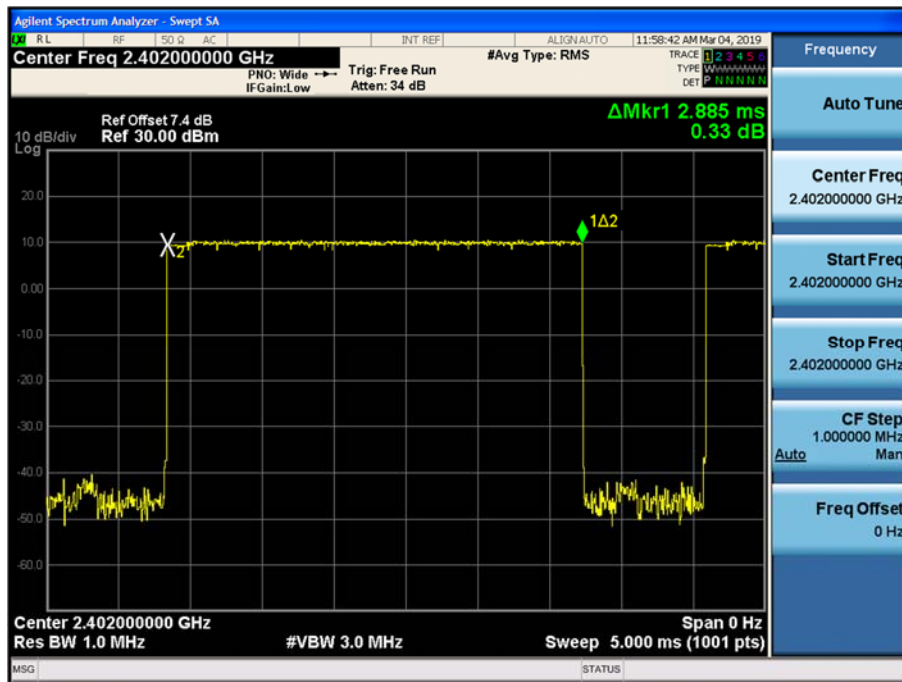
Dwell Time (CH.78)



Report No.: HCT-RF-1903-FI011-R1

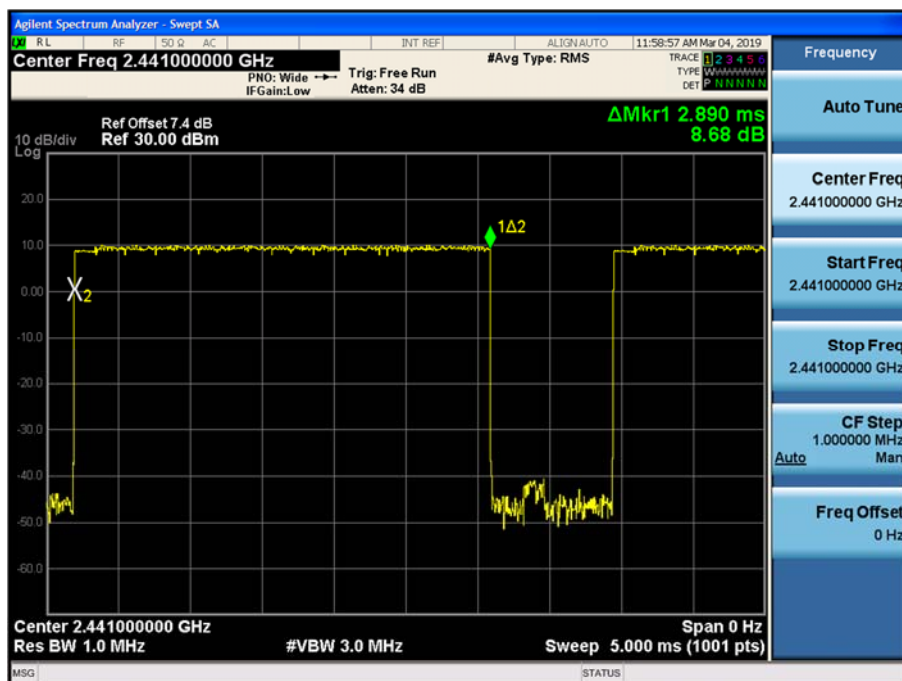
Test Plots ($\pi/4$ DQPSK)

Dwell Time (CH.0)



Test Plots ($\pi/4$ DQPSK)

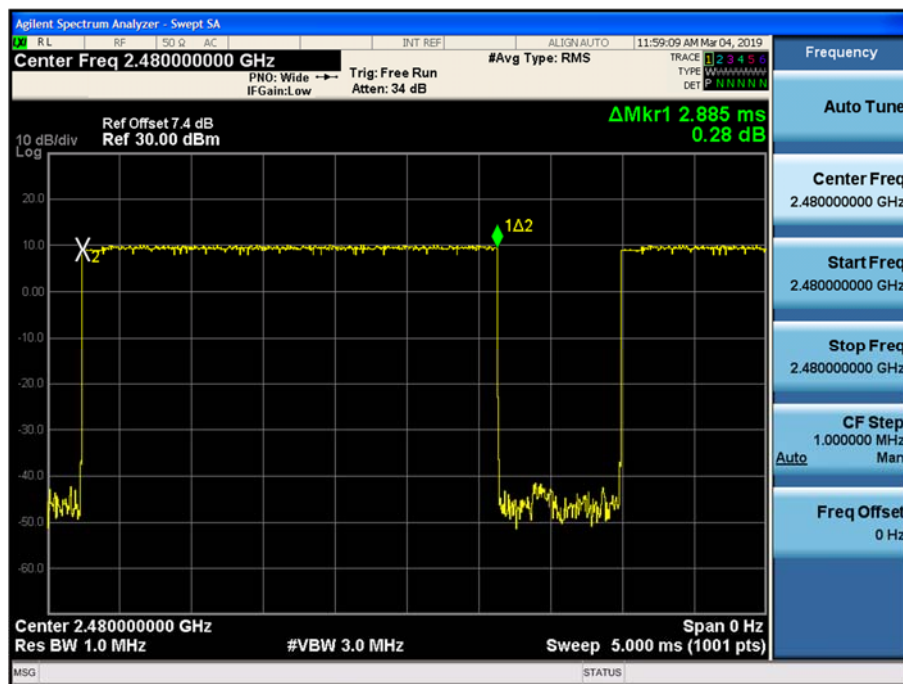
Dwell Time (CH.39)



Report No.: HCT-RF-1903-FI011-R1

Test Plots ($\pi/4$ DQPSK)

Dwell Time (CH.78)



10.6 SPURIOUS EMISSIONS

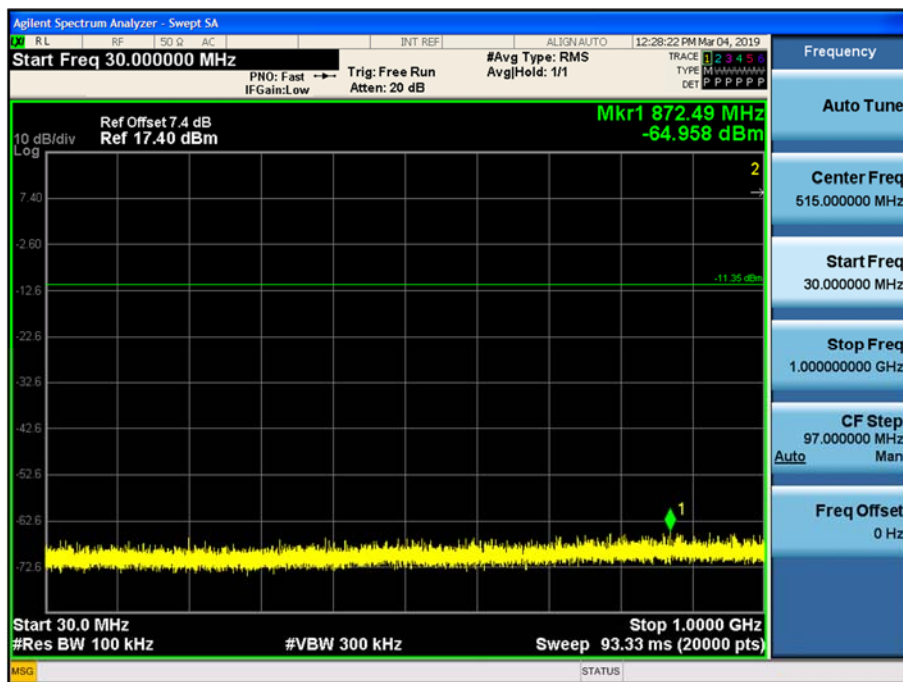
10.6.1 CONDUCTED SPURIOUS EMISSIONS

Test Result : please refer to the plot below.

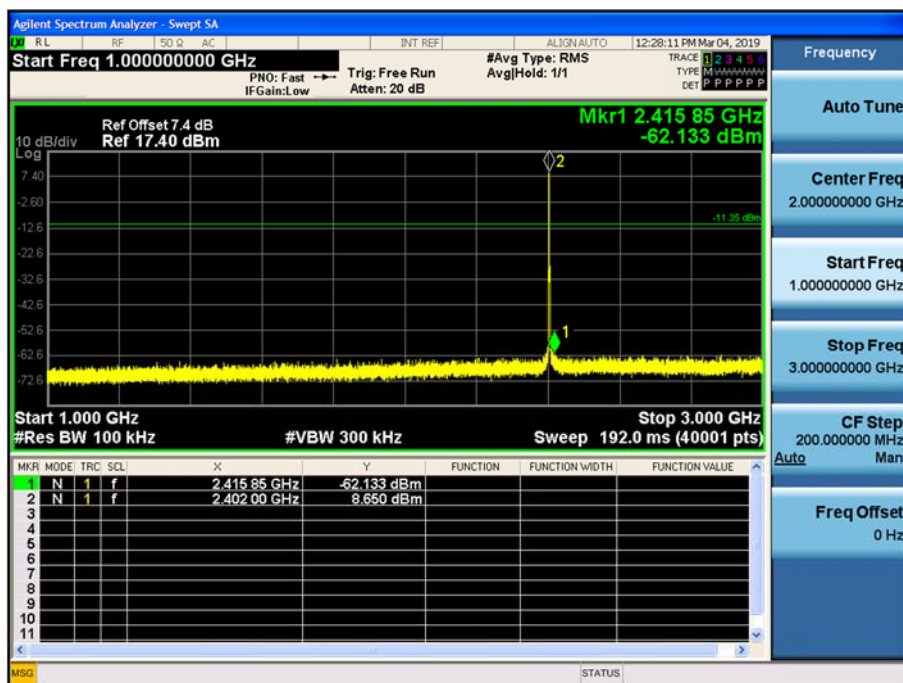
In order to simplify the report, attached plots were only the worst case channel and data rate.

Report No.: HCT-RF-1903-FI011-R1

Test Plots (8DPSK)- 30 MHz - 1 GHz
Spurious Emission (CH.39)



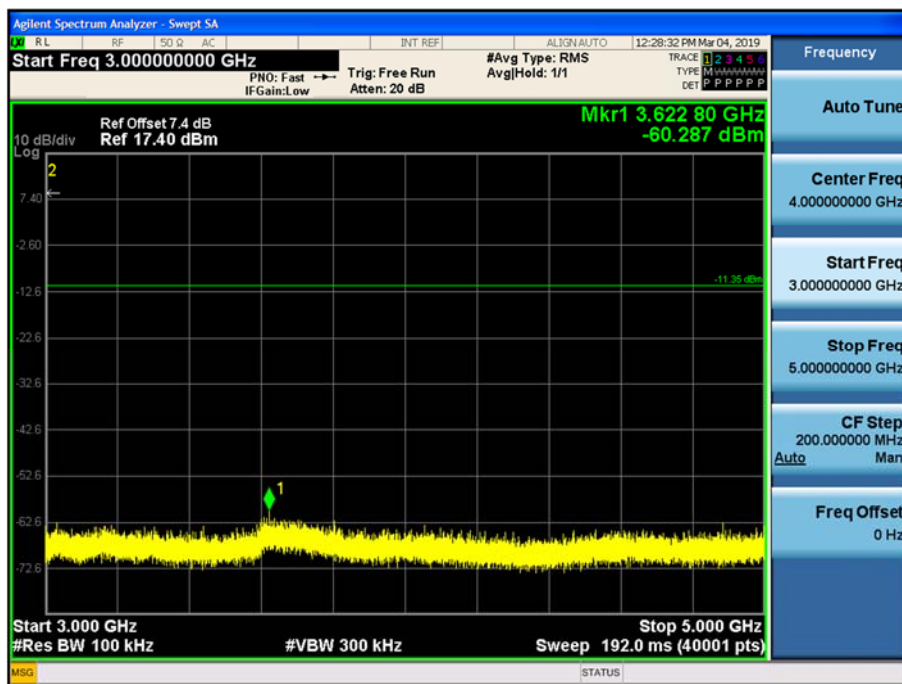
Test Plots (8DPSK)- 1 GHz – 3 GHz
Spurious Emission (CH.39)



Report No.: HCT-RF-1903-FI011-R1

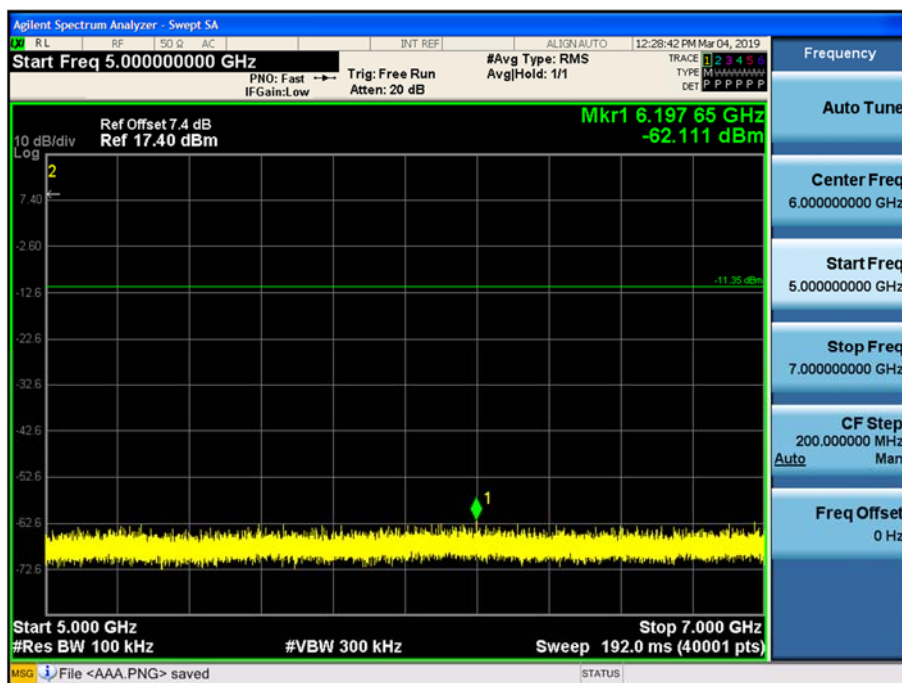
Test Plots(8DPSK)- 3 GHz - 5 GHz

Spurious Emission (CH.39)



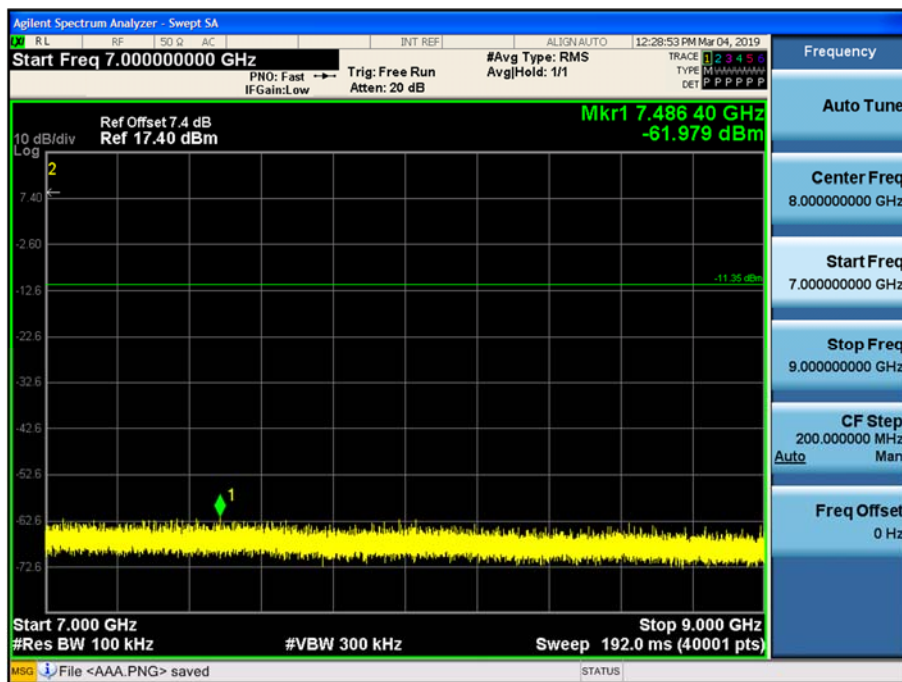
Test Plots (8DPSK)- 5 GHz - 7 GHz

Spurious Emission (CH.39)

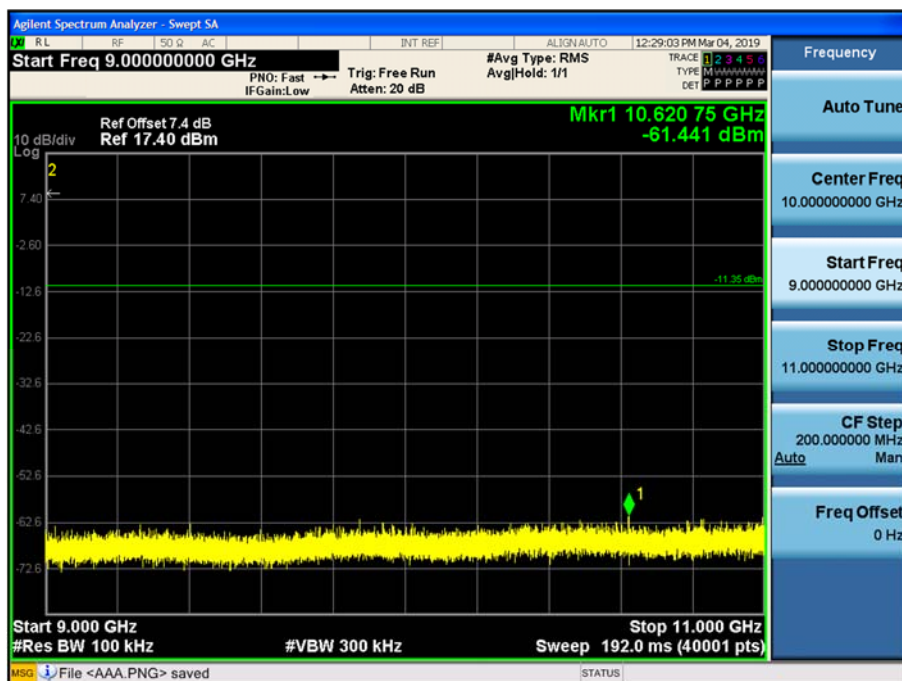


Report No.: HCT-RF-1903-FI011-R1

Test Plots(8DPSK)- 7 GHz - 9 GHz
Spurious Emission (CH.39)

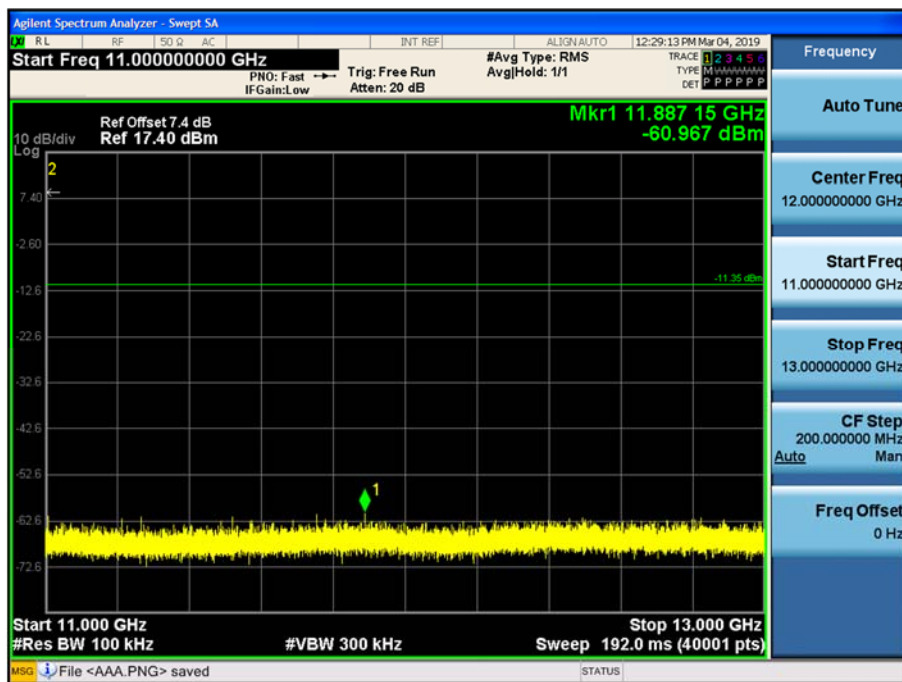


Test Plots(8DPSK)- 9 GHz - 11 GHz
Spurious Emission (CH.39)

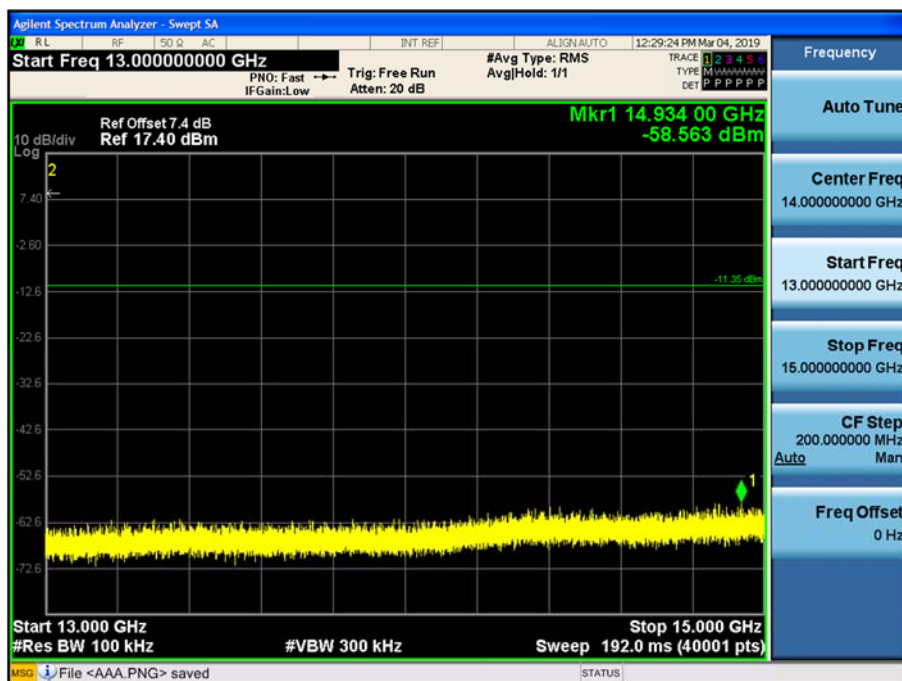


Report No.: HCT-RF-1903-FI011-R1

Test Plots(8DPSK) 11 GHz - 13 GHz
Spurious Emission (CH.39)

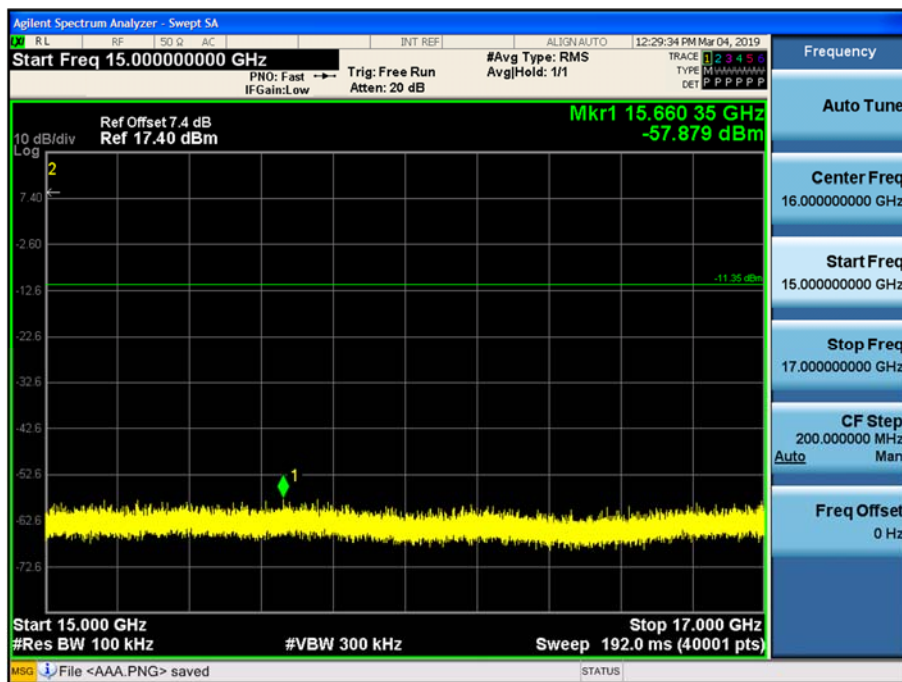


Test Plots (8DPSK)- 13 GHz – 15 GHz
Spurious Emission (CH.39)

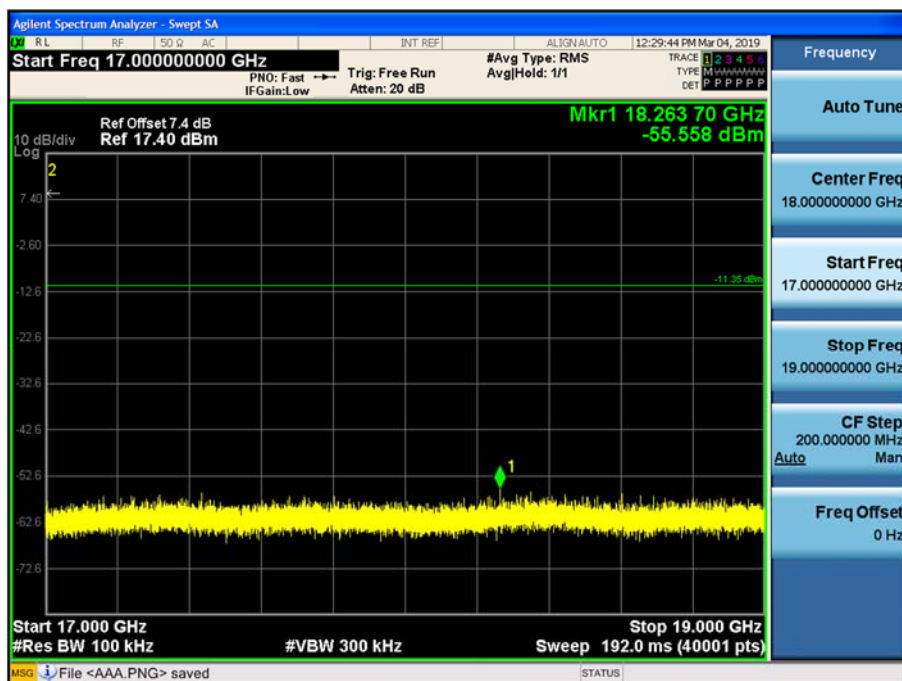


Report No.: HCT-RF-1903-FI011-R1

Test Plots(8DPSK)- 15 GHz - 17 GHz
Spurious Emission (CH.39)

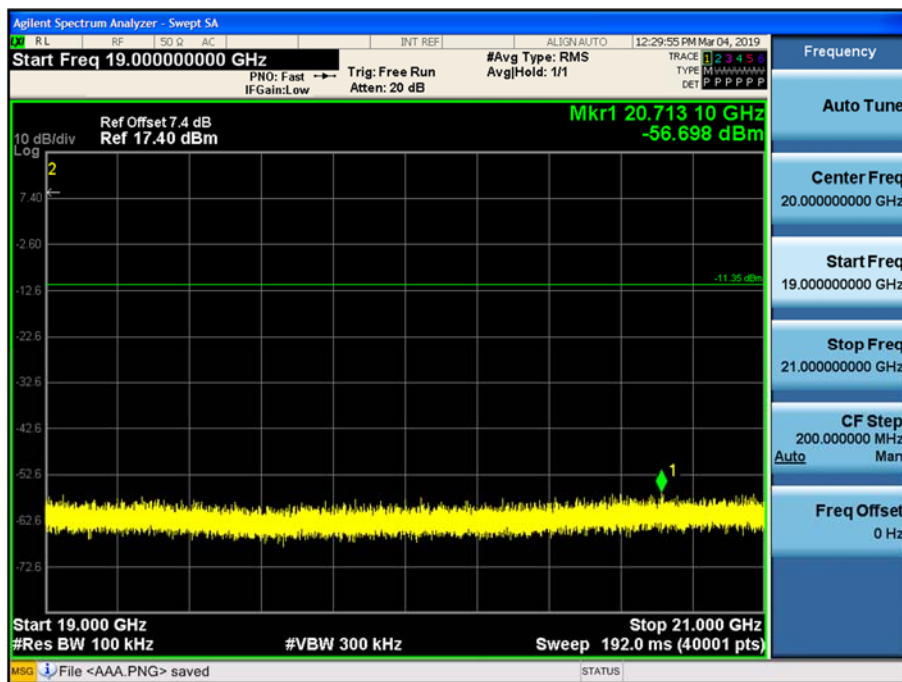


Test Plots(8DPSK)- 17 GHz - 19 GHz
Spurious Emission (CH.39)

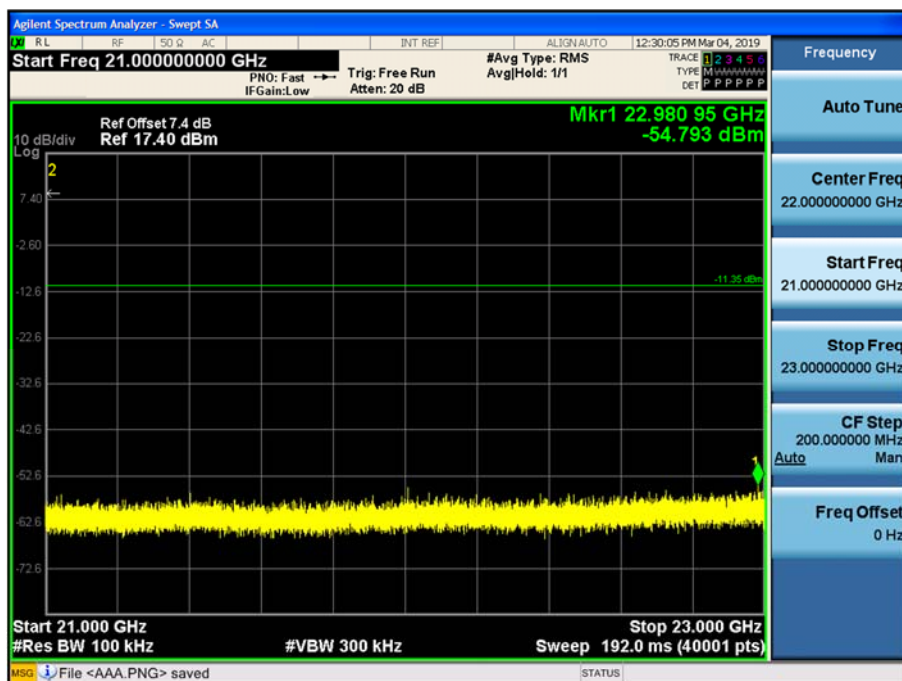


Report No.: HCT-RF-1903-FI011-R1

Test Plots (8DPSK)- 19 GHz - 21 GHz
Spurious Emission (CH.39)

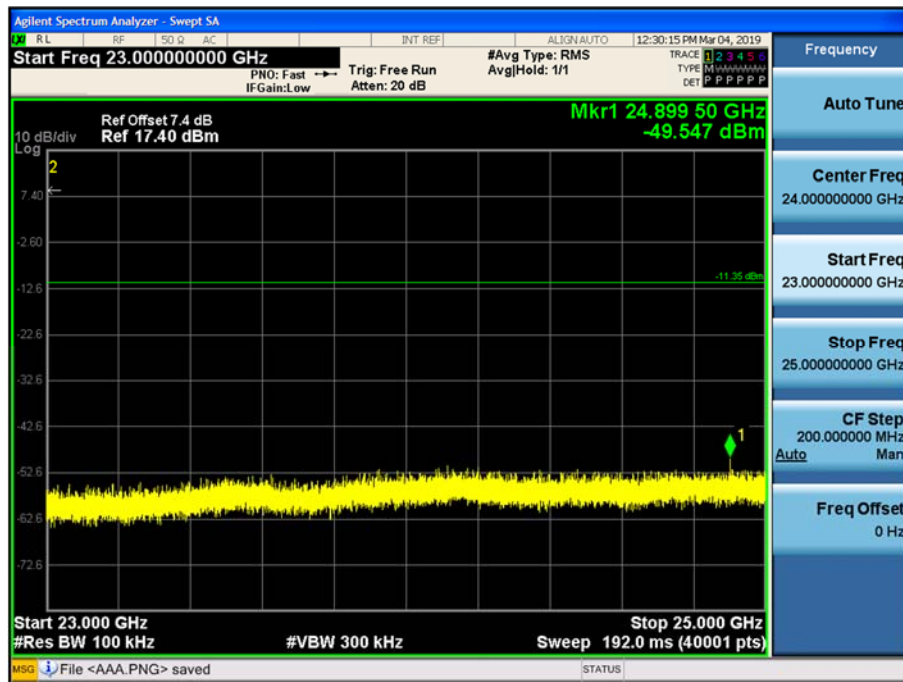


Test Plots (8DPSK)- 21 GHz - 23 GHz
Spurious Emission (CH.39)



Report No.: HCT-RF-1903-FI011-R1

Test Plots (8DPSK)- 23 GHz - 25 GHz
Spurious Emission (CH.39)



10.6.2 RADIATED SPURIOUS EMISSIONS

Frequency Range : 9 kHz – 30MHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

Note:

1. The reading of emissions are attenuated more than 20 dB below the permissible limits or the field strength is too small to be measured.
2. Distance extrapolation factor = $40 \cdot \log(\text{specific distance} / \text{test distance})$ (dB)
3. Limit line = specific Limits (dBuV) + Distance extrapolation factor
4. Radiated test is performed with hopping off.
5. The test results for below 30 MHz is correlated to an open site.
The result on OFS is about 2 dB higher than semi-anechoic chamber(10 m chamber)

Frequency Range : Below 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.
2. Radiated test is performed with hopping off.

Frequency Range : Above 1 GHz

Operation Mode: CH Low(GFSK)

Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4804	49.74	1.83	V	51.57	73.98	22.41	PK
4804	35.48	1.83	V	37.31	53.98	16.67	AV
7206	48.21	9.65	V	57.86	73.98	16.12	PK
7206	35.92	9.65	V	45.57	53.98	8.41	AV
4804	50.80	1.83	H	52.63	73.98	21.35	PK
4804	36.94	1.83	H	38.77	53.98	15.21	AV
7206	49.87	9.65	H	59.52	73.98	14.46	PK
7206	36.09	9.65	H	45.74	53.98	8.24	AV

Operation Mode: CH Low(8DPSK)

Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4804	50.06	1.83	V	51.89	73.98	22.09	PK
4804	36.93	1.83	V	38.76	53.98	15.22	AV
7206	48.84	9.65	V	58.49	73.98	15.49	PK
7206	36.15	9.65	V	45.8	53.98	8.18	AV
4804	50.30	1.83	H	52.13	73.98	21.85	PK
4804	36.98	1.83	H	38.81	53.98	15.17	AV
7206	49.61	9.65	H	59.26	73.98	14.72	PK
7206	36.19	9.65	H	45.84	53.98	8.14	AV

Operation Mode: CH Low($\pi/4$ DQPSK)

Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4804	50.35	1.83	V	52.18	73.98	21.80	PK
4804	36.74	1.83	V	38.57	53.98	15.41	AV
7206	49.83	9.65	V	59.48	73.98	14.50	PK
7206	36.13	9.65	V	45.78	53.98	8.20	AV
4804	50.58	1.83	H	52.41	73.98	21.57	PK
4804	37.08	1.83	H	38.91	53.98	15.07	AV
7206	50.07	9.65	H	59.72	73.98	14.26	PK
7206	36.18	9.65	H	45.83	53.98	8.15	AV

Operation Mode: CH Mid(GFSK)

Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4882	50.34	2.31	V	52.65	73.98	21.33	PK
4882	36.58	2.31	V	38.89	53.98	15.09	AV
7323	49.12	9.96	V	59.08	73.98	14.90	PK
7323	36.14	9.96	V	46.1	53.98	7.88	AV
4882	51.52	2.31	H	53.83	73.98	20.15	PK
4882	36.74	2.31	H	39.05	53.98	14.93	AV
7323	50.45	9.96	H	60.41	73.98	13.57	PK
7323	36.34	9.96	H	46.3	53.98	7.68	AV

Operation Mode: CH Mid(8DPSK)

Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4882	49.83	2.31	V	52.14	73.98	21.84	PK
4882	36.60	2.31	V	38.91	53.98	15.07	AV
7323	49.98	9.96	V	59.94	73.98	14.04	PK
7323	35.62	9.96	V	45.58	53.98	8.40	AV
4882	50.12	2.31	H	52.43	73.98	21.55	PK
4882	36.65	2.31	H	38.96	53.98	15.02	AV
7323	50.22	9.96	H	60.18	73.98	13.80	PK
7323	36.34	9.96	H	46.3	53.98	7.68	AV

Operation Mode: CH Mid($\pi/4$ DQPSK)

Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4882	49.39	2.31	V	51.7	73.98	22.28	PK
4882	36.61	2.31	V	38.92	53.98	15.06	AV
7323	49.34	9.96	V	59.3	73.98	14.68	PK
7323	36.05	9.96	V	46.01	53.98	7.97	AV
4882	50.48	2.31	H	52.79	73.98	21.19	PK
4882	36.72	2.31	H	39.03	53.98	14.95	AV
7323	50.55	9.96	H	60.51	73.98	13.47	PK
7323	36.20	9.96	H	46.16	53.98	7.82	AV

Operation Mode: CH High(GFSK)

Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4960	50.27	2.26	V	52.53	73.98	21.45	PK
4960	35.81	2.26	V	38.07	53.98	15.91	AV
7440	49.38	9.78	V	59.16	73.98	14.82	PK
7440	35.62	9.78	V	45.4	53.98	8.58	AV
4960	50.55	2.26	H	52.81	73.98	21.17	PK
4960	36.95	2.26	H	39.21	53.98	14.77	AV
7440	50.05	9.78	H	59.83	73.98	14.15	PK
7440	35.81	9.78	H	45.59	53.98	8.39	AV

Operation Mode: CH High(8DPSK)

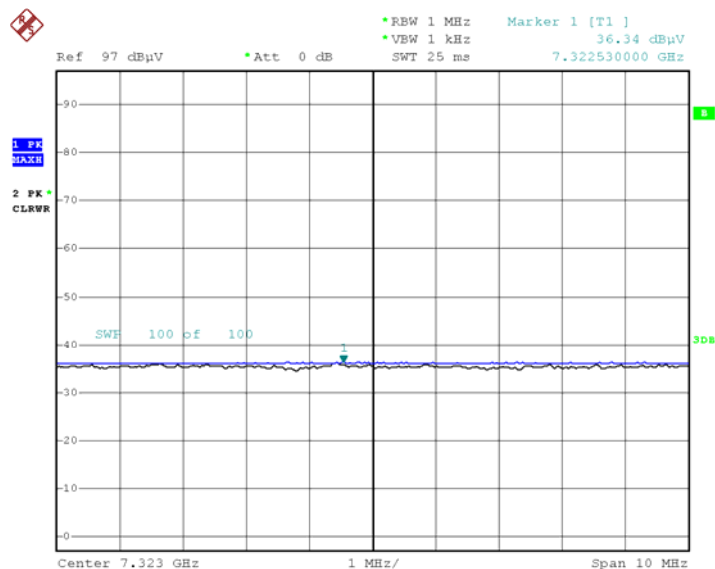
Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4960	49.76	2.26	V	52.02	73.98	21.96	PK
4960	36.71	2.26	V	38.97	53.98	15.01	AV
7440	48.58	9.78	V	58.36	73.98	15.62	PK
7440	35.67	9.78	V	45.45	53.98	8.53	AV
4960	50.76	2.26	H	53.02	73.98	20.96	PK
4960	37.01	2.26	H	39.27	53.98	14.71	AV
7440	49.13	9.78	H	58.91	73.98	15.07	PK
7440	35.68	9.78	H	45.46	53.98	8.52	AV

Operation Mode: CH High ($\pi/4$ DQPSK)

Frequency [MHz]	Reading [dBuV]	A.F + C.L - A.G + D.F [dB]	Pol. [H/V]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
4960	50.51	2.26	V	52.77	73.98	21.21	PK
4960	36.68	2.26	V	38.94	53.98	15.04	AV
7440	49.40	9.78	V	59.18	73.98	14.80	PK
7440	35.61	9.78	V	45.39	53.98	8.59	AV
4960	50.72	2.26	H	52.98	73.98	21.00	PK
4960	36.79	2.26	H	39.05	53.98	14.93	AV
7440	49.72	9.78	H	59.5	73.98	14.48	PK
7440	35.66	9.78	H	45.44	53.98	8.54	AV

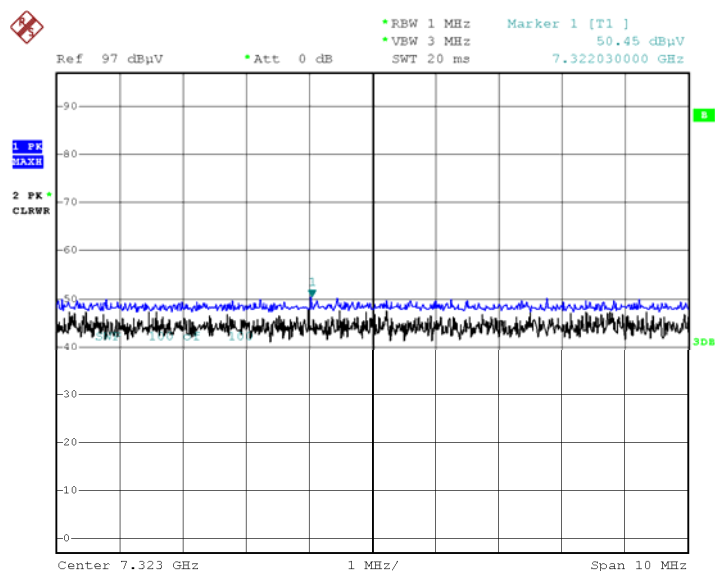
RESULT PLOTS (Worst case : H)

Radiated Spurious Emissions plot – Average Reading (GFSK, Ch.39 3rd Harmonic)



Date: 7.MAR.2019 15:22:45

Radiated Spurious Emissions plot – Peak Reading (GFSK, Ch.39 3rd Harmonic)



Date: 7.MAR.2019 15:20:29

Note:

Plot of worst case are only reported.

10.6.3 RADIATED RESTRICTED BAND EDGES

Operation Mode	Normal(GFSK)
Operating Frequency	2402 MHz, 2480 MHz
Channel No	CH 0, CH 78

Frequency [MHz]	Reading [dBuV]	A.F + C.L + D.F [dB]	Pol. [H/V]	Duty Cycle Correction [dB]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2390.0	53.95	0.85	H	0	54.80	73.98	19.18	PK
2390.0	53.95	0.85	H	-24.73	30.07	53.98	23.91	AV
2390.0	52.74	0.85	V	0	53.59	73.98	20.39	PK
2390.0	52.74	0.85	V	-24.73	28.86	53.98	25.12	AV
2483.5	64.05	1.13	H	0	65.18	73.98	8.80	PK
2483.5	64.05	1.13	H	-24.73	40.45	53.98	13.53	AV
2483.5	62.40	1.13	V	0	63.53	73.98	10.45	PK
2483.5	62.40	1.13	V	-24.73	38.80	53.98	15.18	AV

Operation Mode	EDR(8DPSK)
Operating Frequency	2402 MHz, 2480 MHz
Channel No	CH 0, CH 78

Frequency [MHz]	Reading [dBuV]	A.F + C.L + D.F [dB]	Pol. [H/V]	Duty Cycle Correction [dB]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2390.0	54.42	0.85	H	0	55.27	73.98	18.71	PK
2390.0	54.42	0.85	H	-24.73	30.54	53.98	23.44	AV
2390.0	53.91	0.85	V	0	54.76	73.98	19.22	PK
2390.0	53.91	0.85	V	-24.73	30.03	53.98	23.95	AV
2483.5	65.73	1.13	H	0	66.86	73.98	7.12	PK
2483.5	65.73	1.13	H	-24.73	42.13	53.98	11.85	AV
2483.5	64.02	1.13	V	0	65.15	73.98	8.83	PK
2483.5	64.02	1.13	V	-24.73	40.42	53.98	13.56	AV

Report No.: HCT-RF-1903-FI011-R1

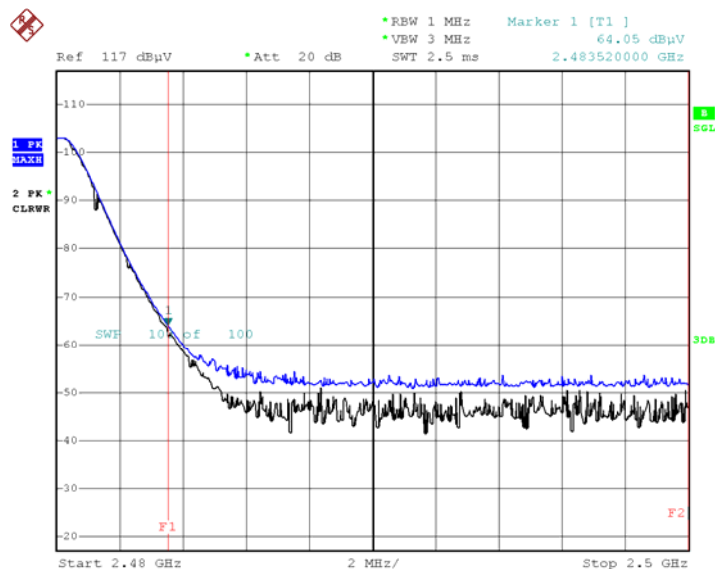
Operation Mode	EDR($\pi/4$ DQPSK)
Operating Frequency	2402 MHz, 2480 MHz
Channel No	CH 0, CH 78

Frequency [MHz]	Reading [dBuV]	A.F + C.L + D.F [dB]	Pol. [H/V]	Duty Cycle Correction [dB]	Total [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Measurement Type
2390.0	54.21	0.85	H	0	55.06	73.98	18.92	PK
2390.0	54.21	0.85	H	-24.73	30.33	53.98	23.65	AV
2390.0	53.71	0.85	V	0	54.56	73.98	19.42	PK
2390.0	53.71	0.85	V	-24.73	29.83	53.98	24.15	AV
2483.5	65.86	1.13	H	0	66.99	73.98	6.99	PK
2483.5	65.86	1.13	H	-24.73	42.26	53.98	11.72	AV
2483.5	63.74	1.13	V	0	64.87	73.98	9.11	PK
2483.5	63.74	1.13	V	-24.73	40.14	53.98	13.84	AV

Report No.: HCT-RF-1903-FI011-R1

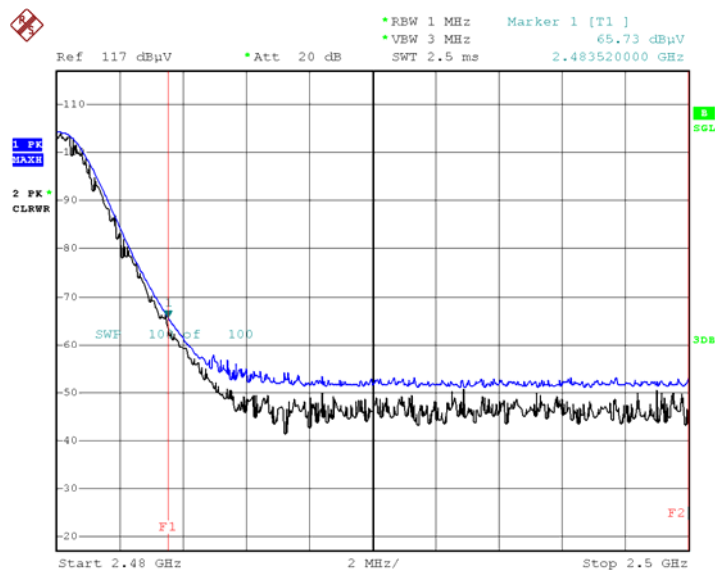
RESULT PLOTS (Worst case : H)

Radiated Restricted Band Edges plot – Peak Reading (GFSK, Ch.78)



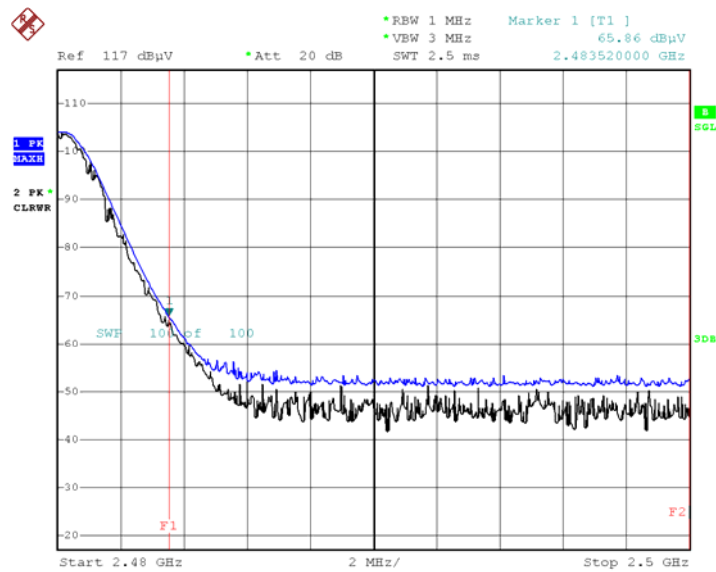
Date: 7.MAR.2019 15:32:59

Radiated Restricted Band Edges plot – Peak Reading (8DPSK, Ch.78)



Date: 7.MAR.2019 15:39:52

Radiated Restricted Band Edges plot – Peak Reading ($\pi/4$ DQPSK, Ch.78)



Date: 7.MAR.2019 15:38:10

Note:

Plot of worst case are only reported.

10.7 RECEIVER SPURIOUS EMISSIONS

Frequency Range : Below 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

Note:

1. Radiated emissions measured in frequency range from 30 MHz to 1000 MHz were made with an instrument using Quasi peak detector mode.

Frequency Range : Above 1 GHz

Frequency	Reading	Ant. factor	Cable loss	Ant. POL	Total	Limit	Margin
MHz	dBuV/m	dBm/m	dBm	(H/V)	dBuV/m	dBuV/m	dB
No Critical peaks found							

10.8 POWERLINE CONDUCTED EMISSIONS

Conducted Emissions (Line 1)

Test

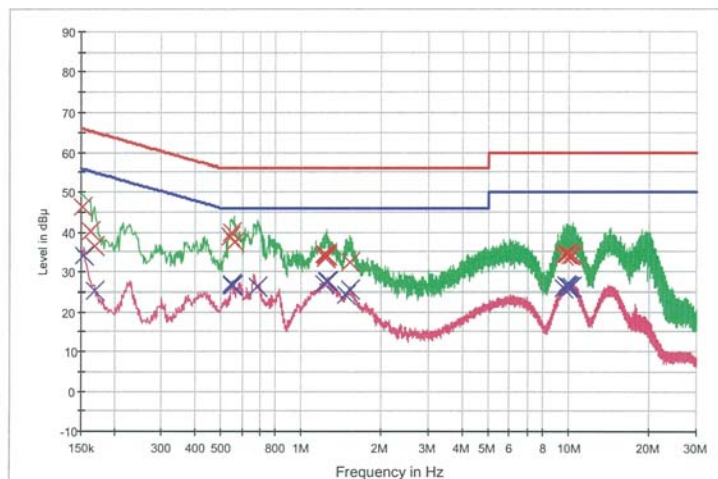
1 / 2

HCT TEST Report

Common Information

EUT: SM-T725
Manufacturer: SAMSUNG
Test Site: SHIELD ROOM
Operating Conditions: BT MODE L1

FCC CLASS B_Exten Cable



— FCC CLASS B_QP — FCC CLASS B_AV — Preview Result 1-PK+
— Preview Result 2-AVG — Final Result 1-QPK — Final Result 2-CAV

Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.152000	46.1	9.000	Off	L1	9.7	19.7	65.9
0.162000	40.0	9.000	Off	L1	9.7	25.3	65.4
0.168000	36.3	9.000	Off	L1	9.7	28.7	65.1
0.544000	38.9	9.000	Off	L1	9.8	17.1	56.0
0.552000	39.8	9.000	Off	L1	9.8	16.2	56.0
0.562000	37.5	9.000	Off	L1	9.8	18.5	56.0
1.216000	34.4	9.000	Off	L1	9.8	21.6	56.0
1.228000	33.3	9.000	Off	L1	9.8	22.7	56.0
1.234000	34.6	9.000	Off	L1	9.8	21.4	56.0
1.238000	34.0	9.000	Off	L1	9.9	22.0	56.0
1.246000	34.2	9.000	Off	L1	9.9	21.8	56.0
1.522000	32.5	9.000	Off	L1	9.9	23.5	56.0
9.526000	33.9	9.000	Off	L1	10.2	26.1	60.0
9.778000	34.4	9.000	Off	L1	10.2	25.6	60.0
9.840000	34.4	9.000	Off	L1	10.2	25.6	60.0
9.924000	34.6	9.000	Off	L1	10.2	25.4	60.0
10.080000	34.2	9.000	Off	L1	10.2	25.8	60.0
10.344000	33.9	9.000	Off	L1	10.2	26.1	60.0

Test

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Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.154000	34.0	9.000	Off	L1	9.7	21.8	55.8
0.168000	25.3	9.000	Off	L1	9.7	29.8	55.1
0.548000	26.7	9.000	Off	L1	9.8	19.3	46.0
0.552000	27.0	9.000	Off	L1	9.8	19.0	46.0
0.556000	26.5	9.000	Off	L1	9.8	19.5	46.0
0.684000	26.4	9.000	Off	L1	9.8	19.6	46.0
1.214000	26.8	9.000	Off	L1	9.8	19.2	46.0
1.246000	27.5	9.000	Off	L1	9.9	18.5	46.0
1.254000	27.6	9.000	Off	L1	9.9	18.4	46.0
1.262000	27.5	9.000	Off	L1	9.9	18.5	46.0
1.474000	24.3	9.000	Off	L1	9.9	21.7	46.0
1.522000	25.5	9.000	Off	L1	9.9	20.5	46.0
9.526000	25.9	9.000	Off	L1	10.2	24.1	50.0
9.778000	26.5	9.000	Off	L1	10.2	23.5	50.0
9.840000	26.4	9.000	Off	L1	10.2	23.6	50.0
9.924000	26.4	9.000	Off	L1	10.2	23.6	50.0
10.046000	26.4	9.000	Off	L1	10.2	23.6	50.0
10.202000	26.3	9.000	Off	L1	10.2	23.7	50.0

Conducted Emissions (Line 2)

Test

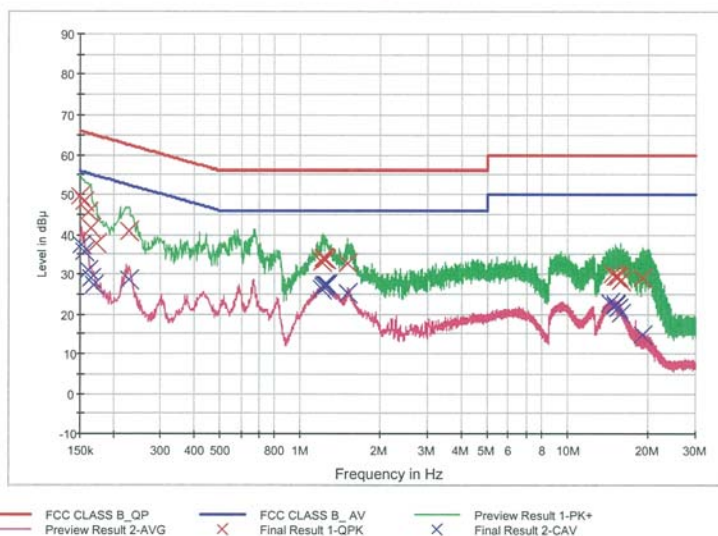
1 / 2

HCT TEST Report

Common Information

EUT: SM-T725
Manufacturer: SAMSUNG
Test Site: SHIELD ROOM
Operating Conditions: BT MODE N

FCC CLASS B_Exten Cable



Final Result 1

Frequency (MHz)	QuasiPeak (dBμV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBμV)
0.150000	49.5	9.000	Off	N	9.8	16.5	66.0
0.156000	48.2	9.000	Off	N	9.8	17.4	65.7
0.160000	45.5	9.000	Off	N	9.8	19.9	65.5
0.164000	41.6	9.000	Off	N	9.8	23.7	65.3
0.172000	37.9	9.000	Off	N	9.8	27.0	64.9
0.228000	40.7	9.000	Off	N	9.9	21.8	62.5
1.204000	33.0	9.000	Off	N	10.0	23.0	56.0
1.212000	34.0	9.000	Off	N	10.0	22.0	56.0
1.234000	34.2	9.000	Off	N	10.0	21.8	56.0
1.238000	34.0	9.000	Off	N	10.0	22.0	56.0
1.250000	33.8	9.000	Off	N	10.0	22.2	56.0
1.504000	32.7	9.000	Off	N	10.1	23.3	56.0
14.650000	29.9	9.000	Off	N	10.7	30.1	60.0
15.006000	29.4	9.000	Off	N	10.7	30.6	60.0
15.216000	29.5	9.000	Off	N	10.7	30.5	60.0
15.328000	29.5	9.000	Off	N	10.7	30.5	60.0
15.744000	28.2	9.000	Off	N	10.7	31.8	60.0
19.022000	29.0	9.000	Off	N	10.8	31.0	60.0

Test

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Final Result 2

Frequency (MHz)	CAverage (dBuV)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dBuV)
0.152000	37.3	9.000	Off	N	9.8	18.6	55.9
0.156000	35.9	9.000	Off	N	9.8	19.8	55.7
0.160000	31.1	9.000	Off	N	9.8	24.3	55.5
0.164000	28.9	9.000	Off	N	9.8	26.4	55.3
0.168000	27.4	9.000	Off	N	9.8	27.7	55.1
0.228000	28.7	9.000	Off	N	9.9	23.8	52.5
1.202000	26.3	9.000	Off	N	10.0	19.7	46.0
1.212000	26.9	9.000	Off	N	10.0	19.1	46.0
1.236000	27.4	9.000	Off	N	10.0	18.6	46.0
1.250000	27.5	9.000	Off	N	10.0	18.6	46.0
1.254000	27.3	9.000	Off	N	10.0	18.7	46.0
1.504000	25.4	9.000	Off	N	10.1	20.6	46.0
14.404000	23.0	9.000	Off	N	10.6	27.0	50.0
15.006000	22.4	9.000	Off	N	10.7	27.6	50.0
15.026000	22.3	9.000	Off	N	10.7	27.7	50.0
15.328000	21.6	9.000	Off	N	10.7	28.4	50.0
15.744000	20.1	9.000	Off	N	10.7	29.9	50.0
19.022000	14.8	9.000	Off	N	10.8	35.2	50.0

11 LIST OF TEST EQUIPMENT

Conducted Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Rohde & Schwarz	ENV216 / LISN	12/12/2018	Annual	102245
Rohde & Schwarz	ESCI / Test Receiver	06/27/2018	Annual	100033
ESPAC	SU-642 / Temperature Chamber	03/30/2018	Annual	0093008124
Agilent	N9020A / Signal Analyzer	06/08/2018	Annual	MY51110085
Agilent	N9030A / Signal Analyzer	11/20/2018	Annual	MY49431210
Agilent	N1911A / Power Meter	04/16/2018	Annual	MY45100523
Agilent	N1921A / Power Sensor	04/16/2018	Annual	MY52260025
Agilent	87300B / Directional Coupler	11/20/2018	Annual	3116A03621
Hewlett Packard	11667B / Power Splitter	06/07/2018	Annual	05001
Hewlett Packard	E3632A / DC Power Supply	06/26/2018	Annual	KR75303960
Agilent	8493C / Attenuator(10 dB)	07/10/2018	Annual	07560
Rohde & Schwarz	EMC32 / Software	N/A	N/A	N/A
HCT CO., LTD.	FCC WLAN&BT&BLE Conducted Test Software v3.0	N/A	N/A	N/A
Rohde & Schwarz	CBT / Bluetooth Tester	05/17/2018	Annual	100422

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

Radiated Test

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Innco system	CO3000 / Controller(Antenna mast)	N/A	N/A	CO3000-4p
Innco system	MA4640/800-XP-EP / Antenna Position Tower	N/A	N/A	N/A
Audix	EM1000 / Controller	N/A	N/A	060520
Audix	Turn Table	N/A	N/A	N/A
Rohde & Schwarz	Loop Antenna	08/23/2018	Biennial	1513-175
Schwarzbeck	VULB 9168 / Hybrid Antenna	04/06/2017	Biennial	760
Schwarzbeck	VULB 9168 / Hybrid Antenna	08/09/2018	Annual	3368
Schwarzbeck	BBHA 9120D / Horn Antenna	06/30/2017	Biennial	1300
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	12/04/2017	Biennial	BBHA9170541
Rohde & Schwarz	FSP(9 kHz ~ 40 GHz) / Spectrum Analyzer	07/24/2018	Annual	100843
Wainwright Instruments	WHK3.0/18G-10EF / High Pass Filter	01/03/2019	Annual	F6
Wainwright Instruments	WHFX7.0/18G-8SS / High Pass Filter	05/09/2018	Annual	29
Wainwright Instruments	WRCJV2400/2483.5-2370/2520-60/12SS / Band Reject Filter	06/29/2018	Annual	2
Wainwright Instruments	WRCJV5100/5850-40/50-8EEK / Band Reject Filter	01/03/2019	Annual	2
Weinschel	2-3 / Attenuator (3 dB)	10/10/2018	Annual	BR0617
H+S	5910-N-50-010 / Attenuator(10 dB)	11/08/2018	Annual	NONE
CERNEX	CBLU1183540B-01 / Power Amplifier	12/21/2018	Annual	25540
CERNEX	CBL06185030 / Power Amplifier	03/28/2018	Annual	28550
CERNEX	CBL18265035 / Power Amplifier	01/03/2019	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	06/29/2018	Annual	25956
TESCOM	TC-3000C / Bluetooth Tester	03/27/2018	Annual	3000C000276

Note:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.
2. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

12 ANNEX A_ TEST SETUP PHOTO

Please refer to test setup photo file no. as follows;

No.	Description
1	HCT-RF-1903-FI011-P