

11. MAXIMUM PEAK OUTPUT POWER

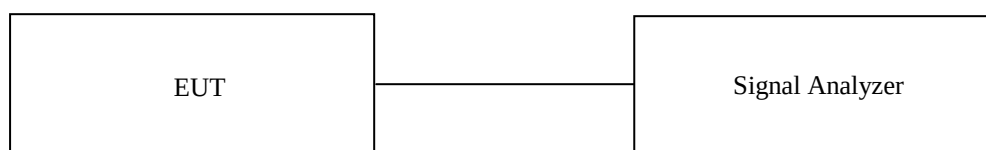
11.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 43.8 % R.H

11.2 Test set-up

The antenna output of the EUT was connected to the spectrum analyzer.

The resolution bandwidth is set to $\geq$ DTS Bandwidth, the video bandwidth is set to 3 times the resolution bandwidth.



11.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	FSV40	Rohde & Schwarz	Signal Analyzer	101009	Mar. 14, 2018 (1Y)

All test equipment used is calibrated on a regular basis.

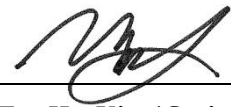
11.4 Test data for 1 Mbps

-. Test Date : May 01, 2018 ~ May 04, 2018

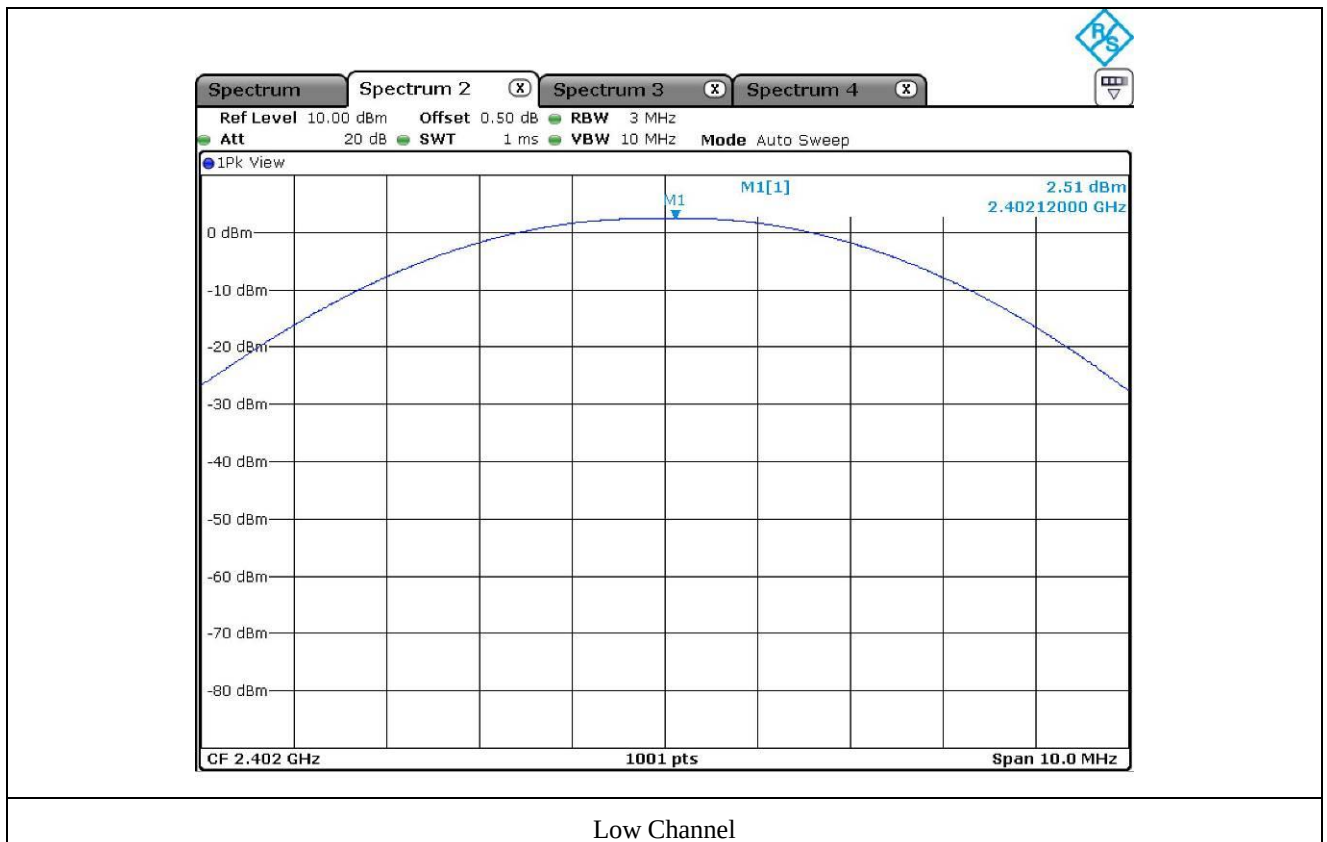
-. Test Result : Pass

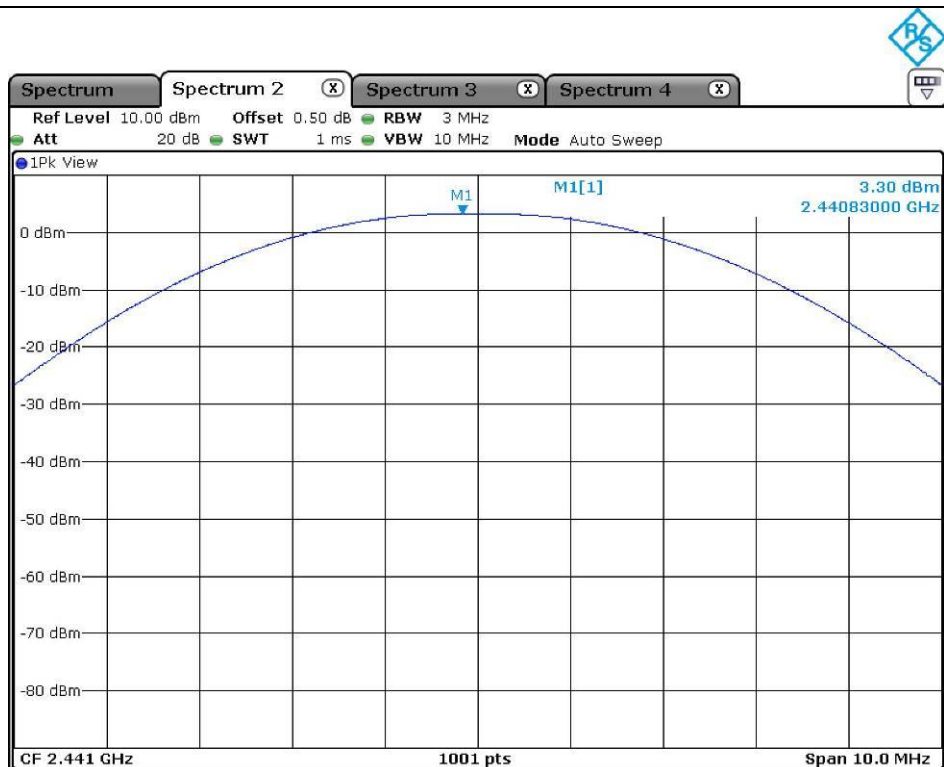
CHANNEL	FREQUENCY (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 402.00	2.51	21.00	18.49
MIDDLE	2 441.00	3.30	21.00	17.70
HIGH	2 480.00	2.82	21.00	18.18

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

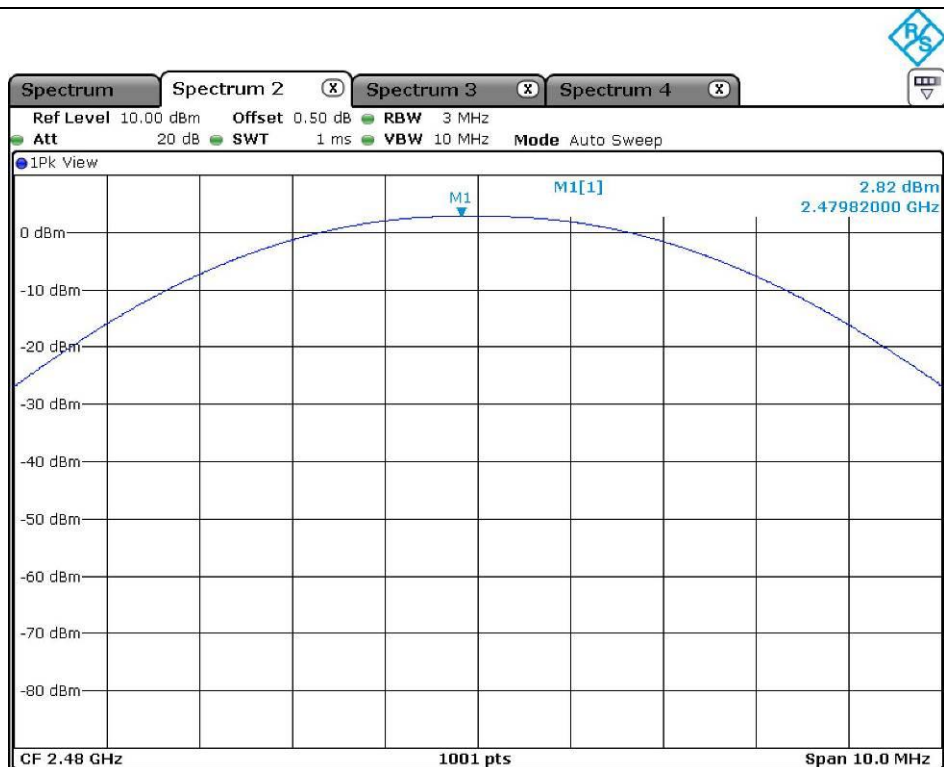


Tested by: Tae-Ho, Kim / Senior Manager





Middle Channel



High Channel

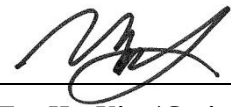
11.5 Test data for 2 Mbps

-. Test Date : May 01, 2018 ~ May 04, 2018

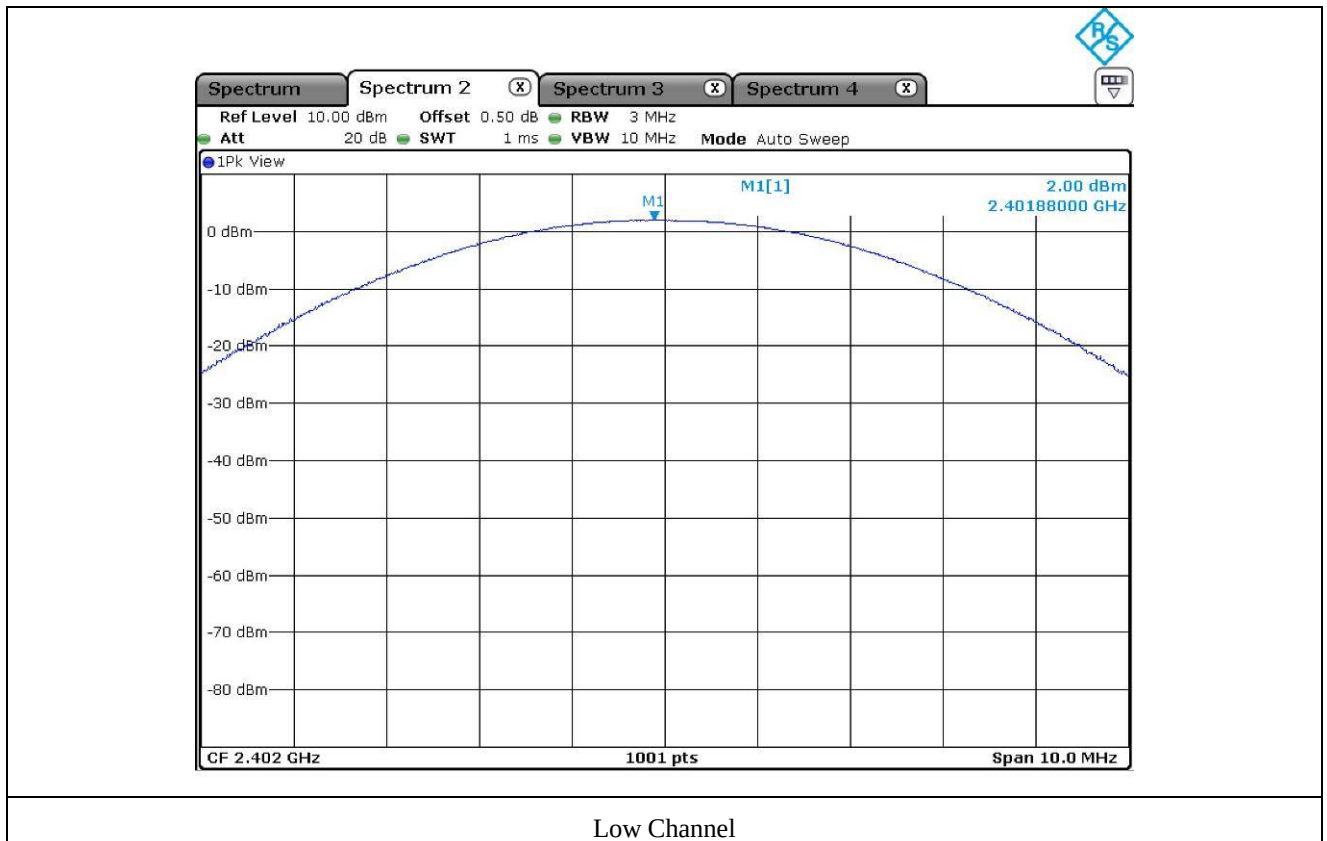
-. Test Result : Pass

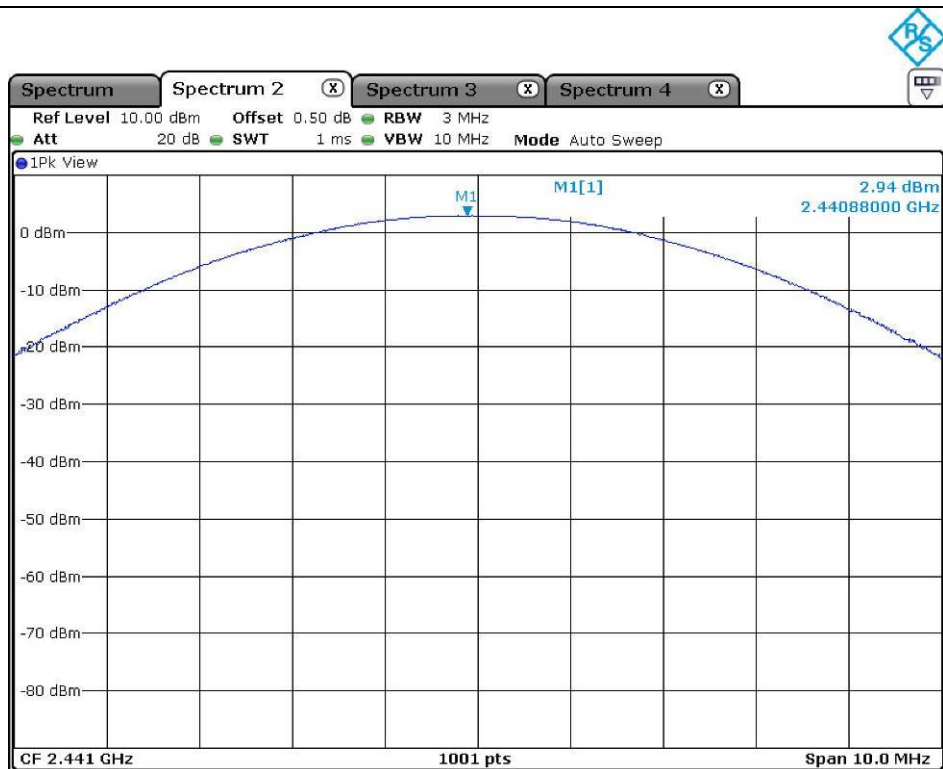
CHANNEL	FREQUENCY (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 402.00	2.00	21.00	19.00
MIDDLE	2 441.00	2.94	21.00	18.06
HIGH	2 480.00	2.51	21.00	18.49

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

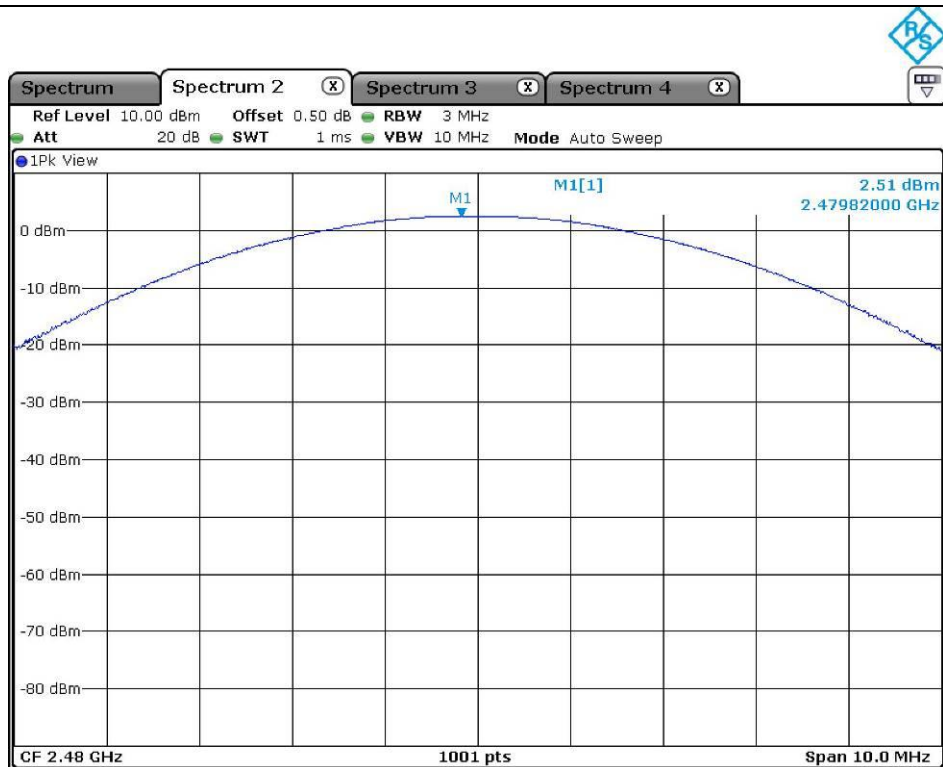


Tested by: Tae-Ho, Kim / Senior Manager





Middle Channel



High Channel

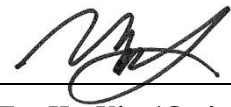
11.6 Test data for 3 Mbps

-. Test Date : May 01, 2018 ~ May 04, 2018

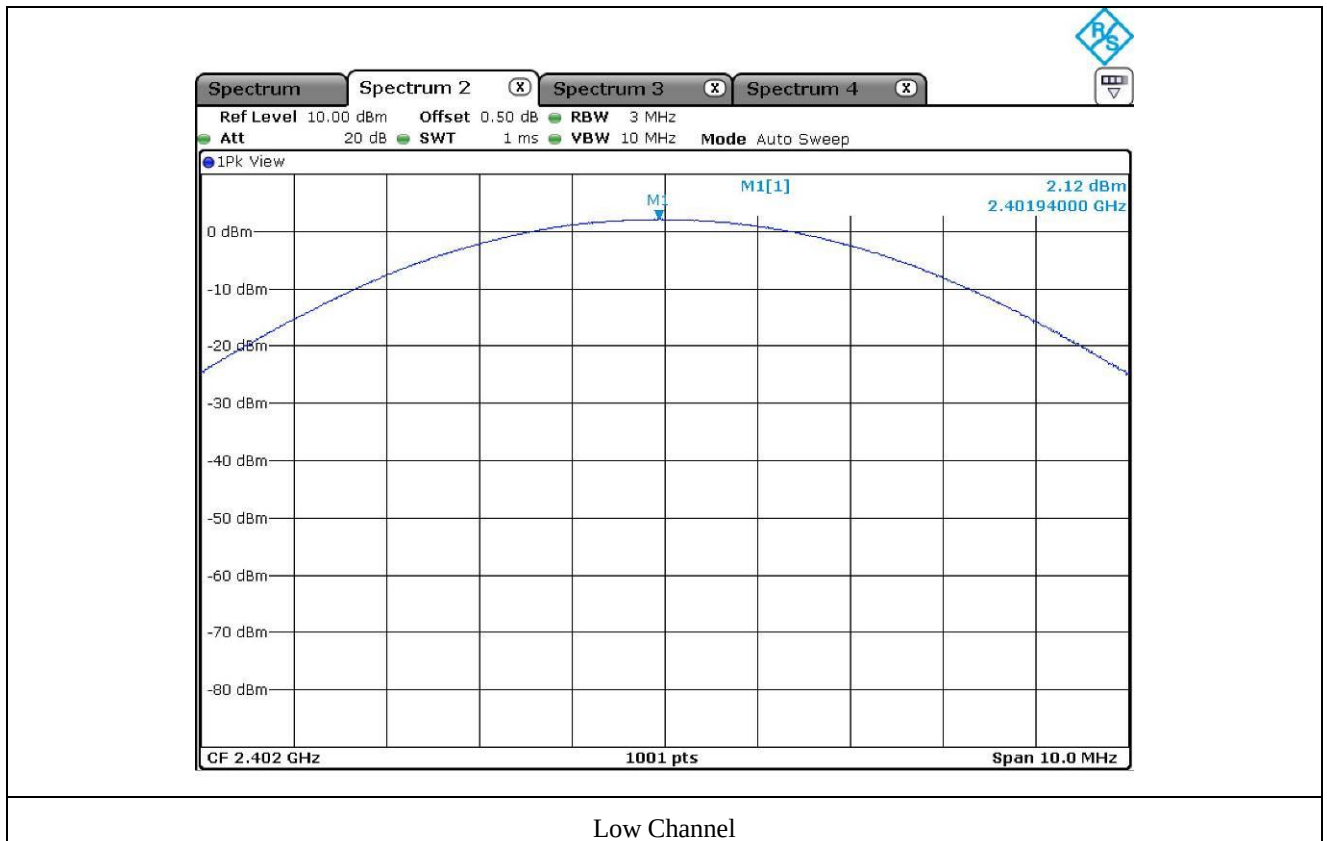
-. Test Result : Pass

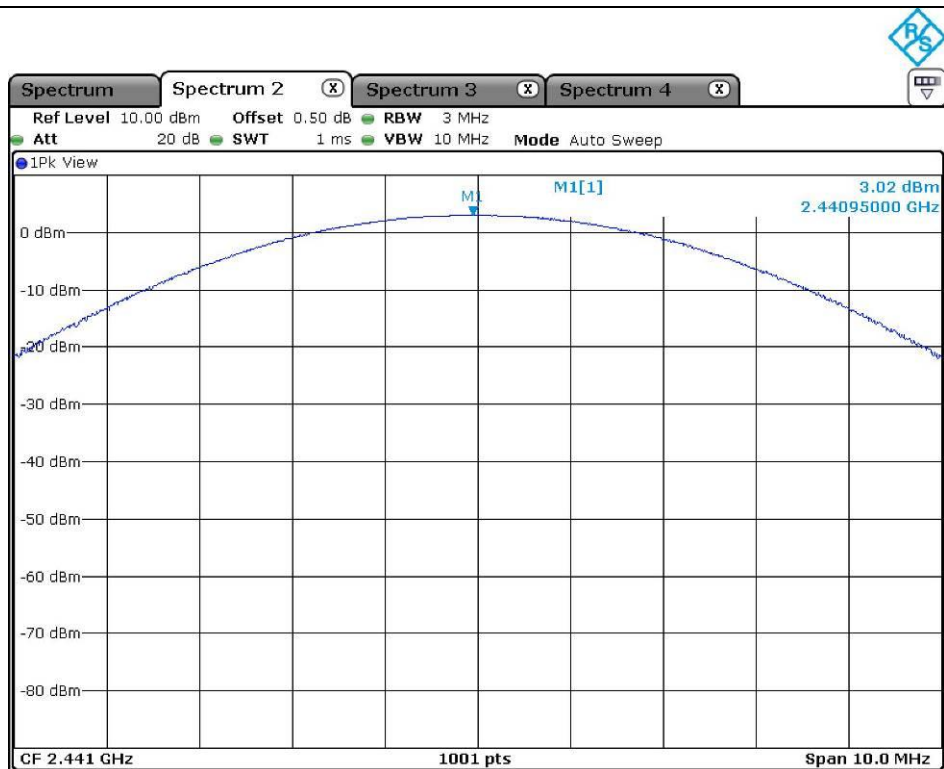
CHANNEL	FREQUENCY (MHz)	MEASURED VLAUE (dBm)	LIMIT (dBm)	MARGIN (dB)
LOW	2 402.00	2.12	21.00	18.88
MIDDLE	2 441.00	3.02	21.00	17.98
HIGH	2 480.00	2.59	21.00	18.41

Remark. Margin = Limit – Measured Value (=Receiver Reading + Cable Loss)

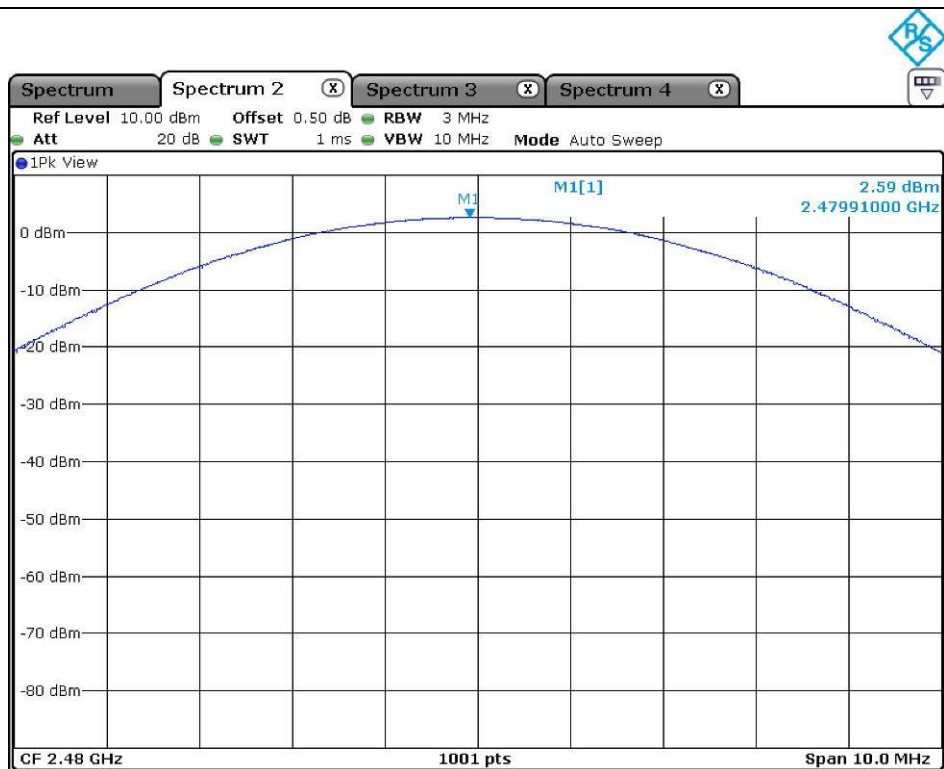


Tested by: Tae-Ho, Kim / Senior Manager





Middle Channel



High Channel

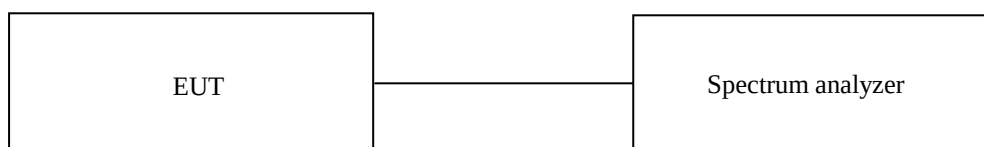
12. 100 kHz BANDWIDTH OUTSIDE THE FREQUENCY BAND

12.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 43.8 % R.H

12.2 Test set-up for conducted measurement

The antenna output of the EUT was connected to the spectrum analyzer. The resolution and video bandwidth is set to 100 kHz, and peak detection was used.



12.3 Test set-up for radiated measurement

The radiated emissions measurements were performed on the 3 m semi anechoic chamber. The EUT was placed on turntable approximately 1.5 m above the ground plane.

The frequency spectrum from 30 MHz to 26.5 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

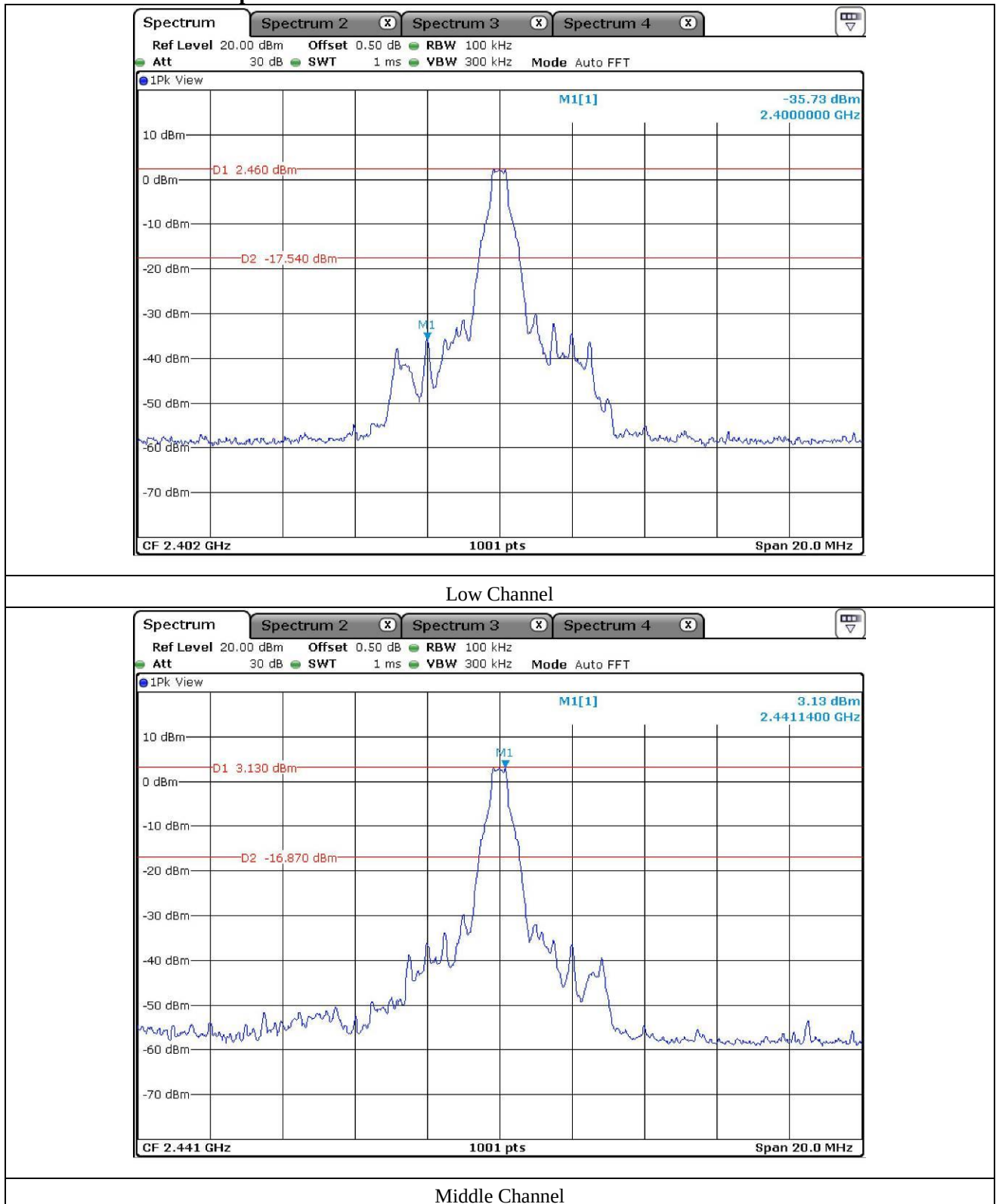
12.4 Test equipment used

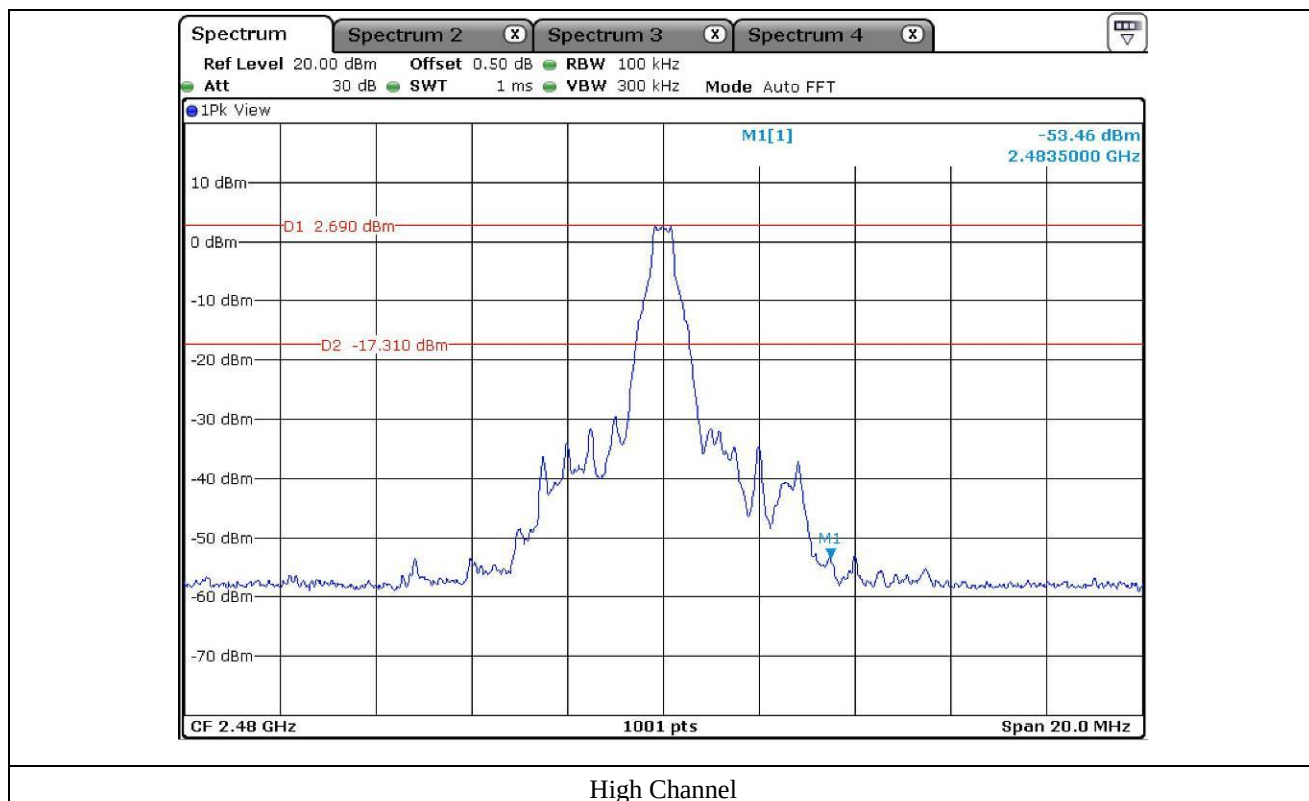
	Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ -	FSV40	Rohde & Schwarz	Signal Analyzer	101009	Mar. 14, 2018 (1Y)
■ -	ESU	Rohde & Schwarz	EMI Test Receiver	100261	Mar. 29, 2018 (1Y)
■ -	310N	Sonoma Instrument	Pre-Amplifier	312544	Mar. 28, 2018 (1Y)
■ -	BBV9718	Schwarzbeck	Amplifier	310	Mar. 30, 2018 (1Y)
■ -	SCU40A	Rohde & Schwarz	Signal Conditioning unit	100436	Mar. 15, 2018 (1Y)
■ -	DT3000-3t	Innco System	Turn Table	DT3000/093	N/A
■ -	MA-4000XPET	Innco System	Antenna Master	MA4000/509	N/A
■ -	VULB9163	Schwarzbeck	TRILOG Broadband Antenna	9163-419	Aug. 05, 2016 (2Y)
■ -	BBHA9120D	Schwarzbeck	Horn Antenna	BBHA9120D295	Aug. 16, 2017 (2Y)
■ -	BBHA9170	Schwarzbeck	Horn Antenna	BBHA9170179	Jul. 28, 2017 (2Y)

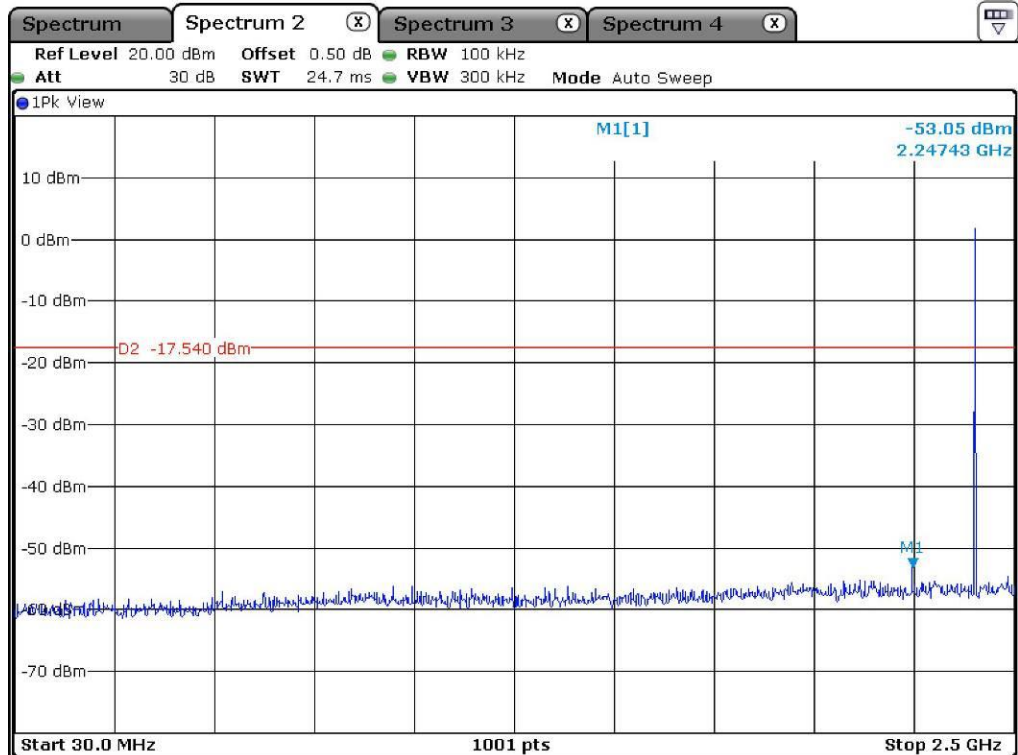
All test equipment used is calibrated on a regular basis.

12.5 Test data for conducted emission

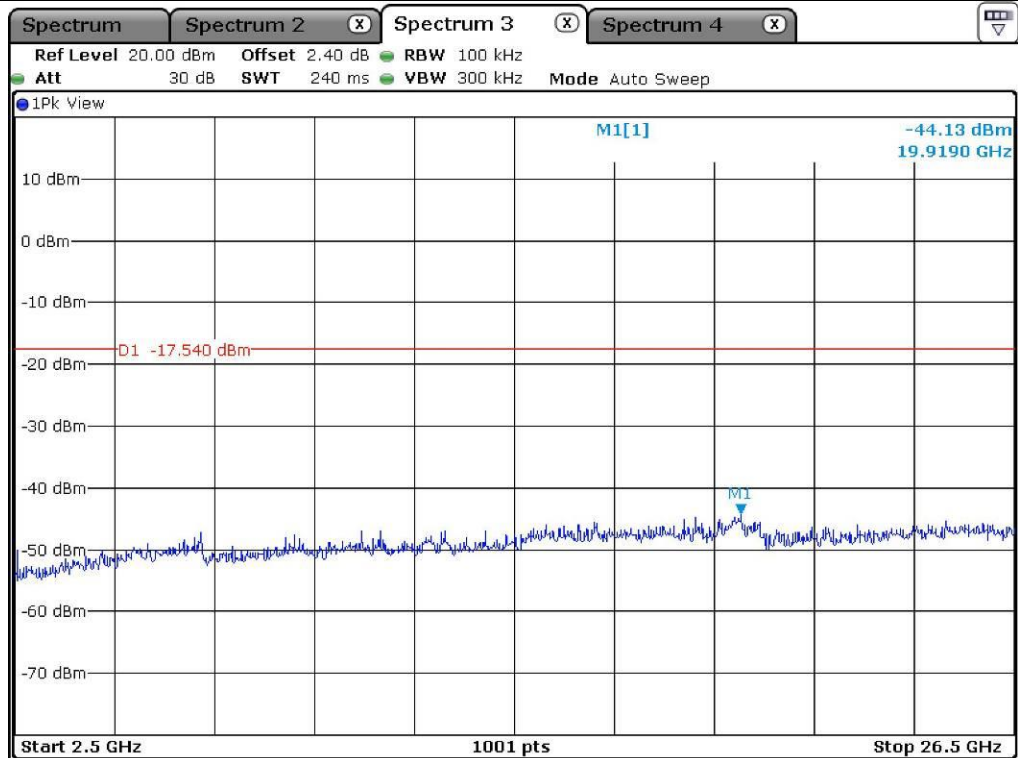
12.5.1 Test data for 1 Mbps



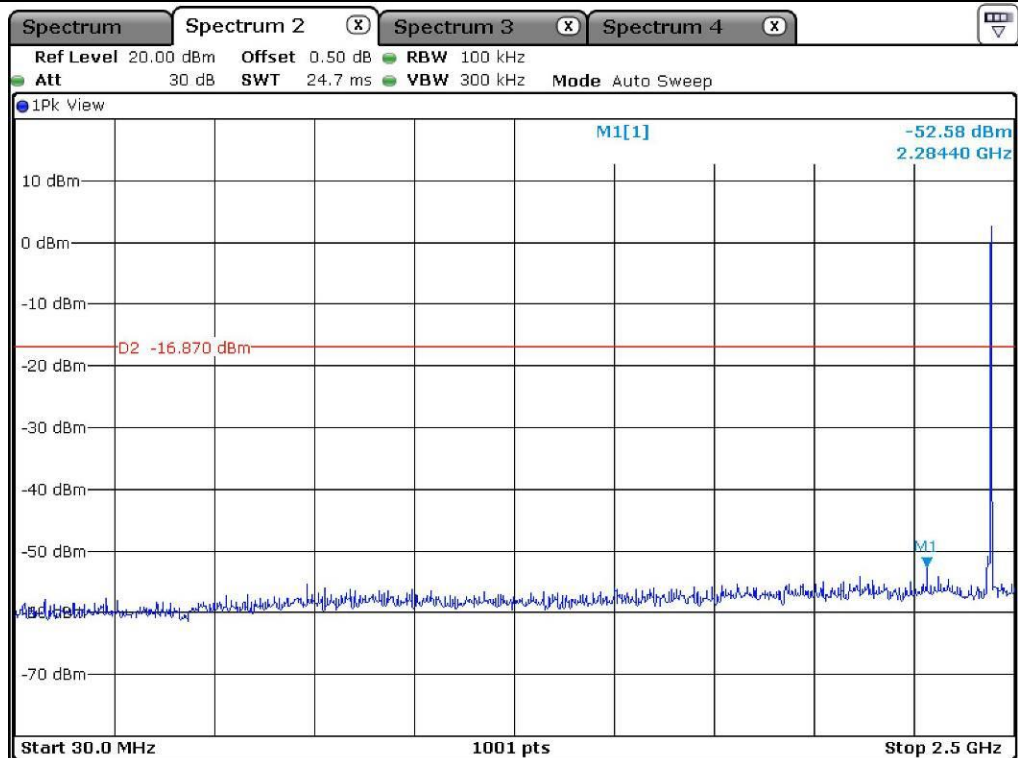




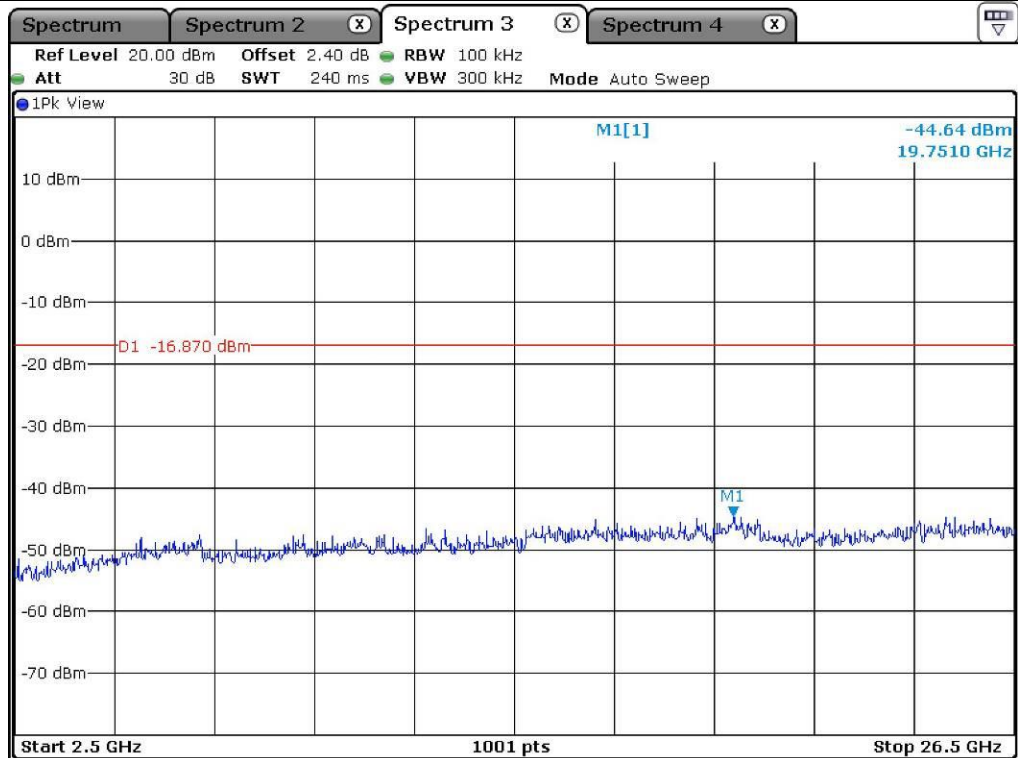
Low Channel



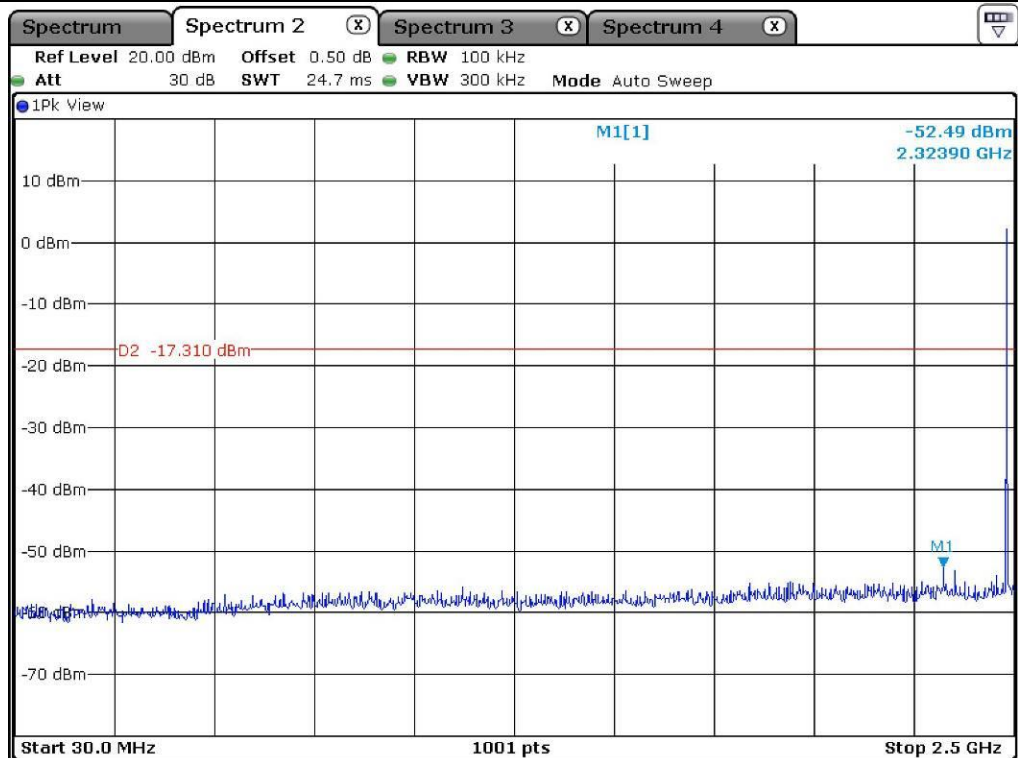
Low Channel



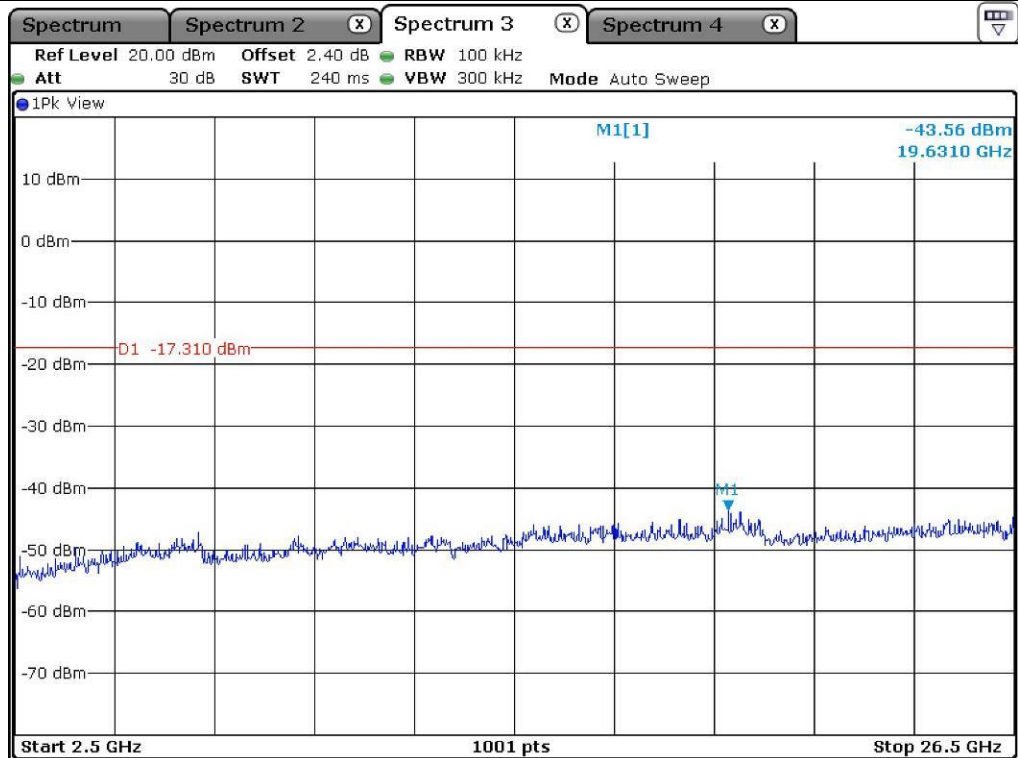
Middle Channel



Middle Channel

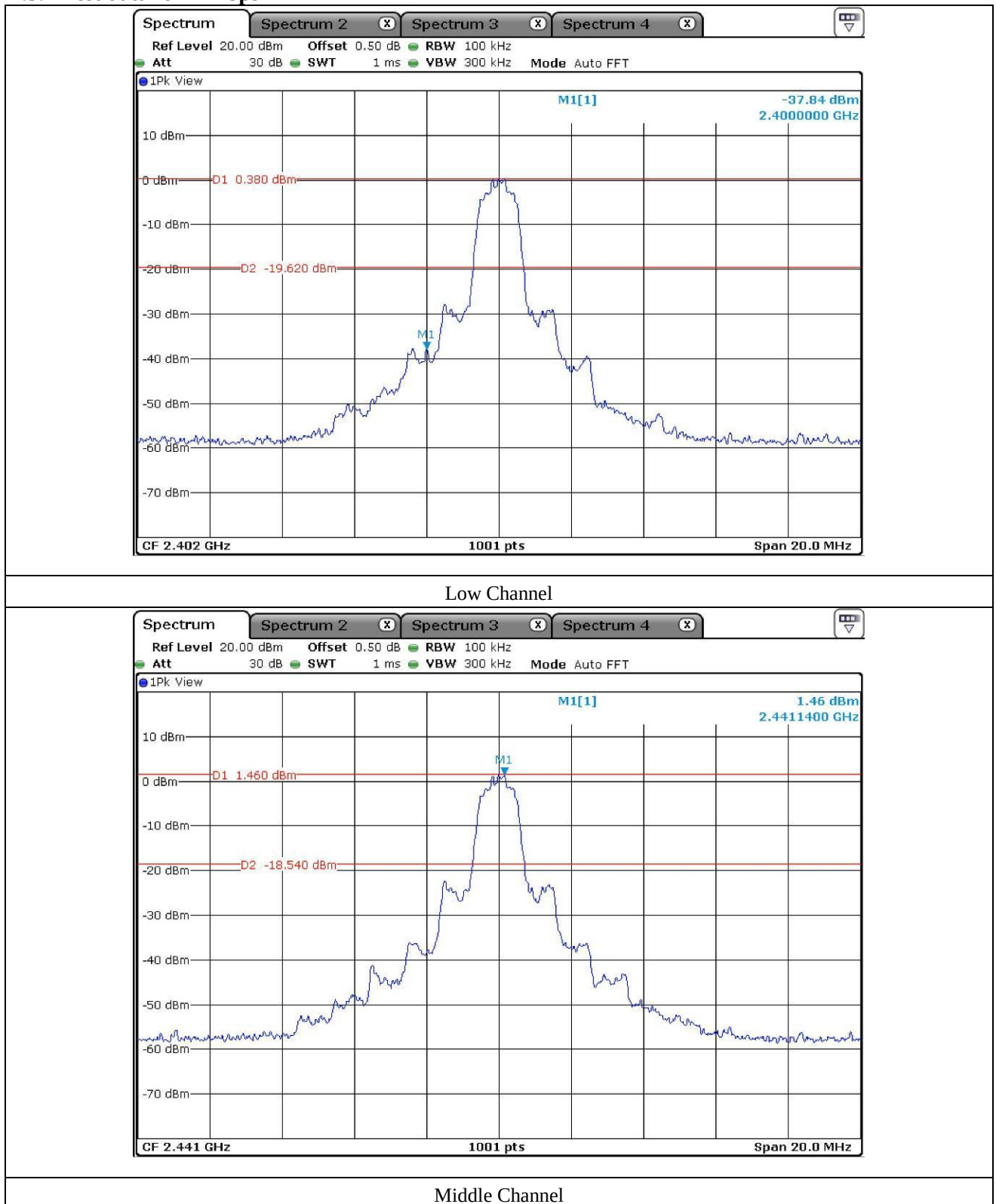


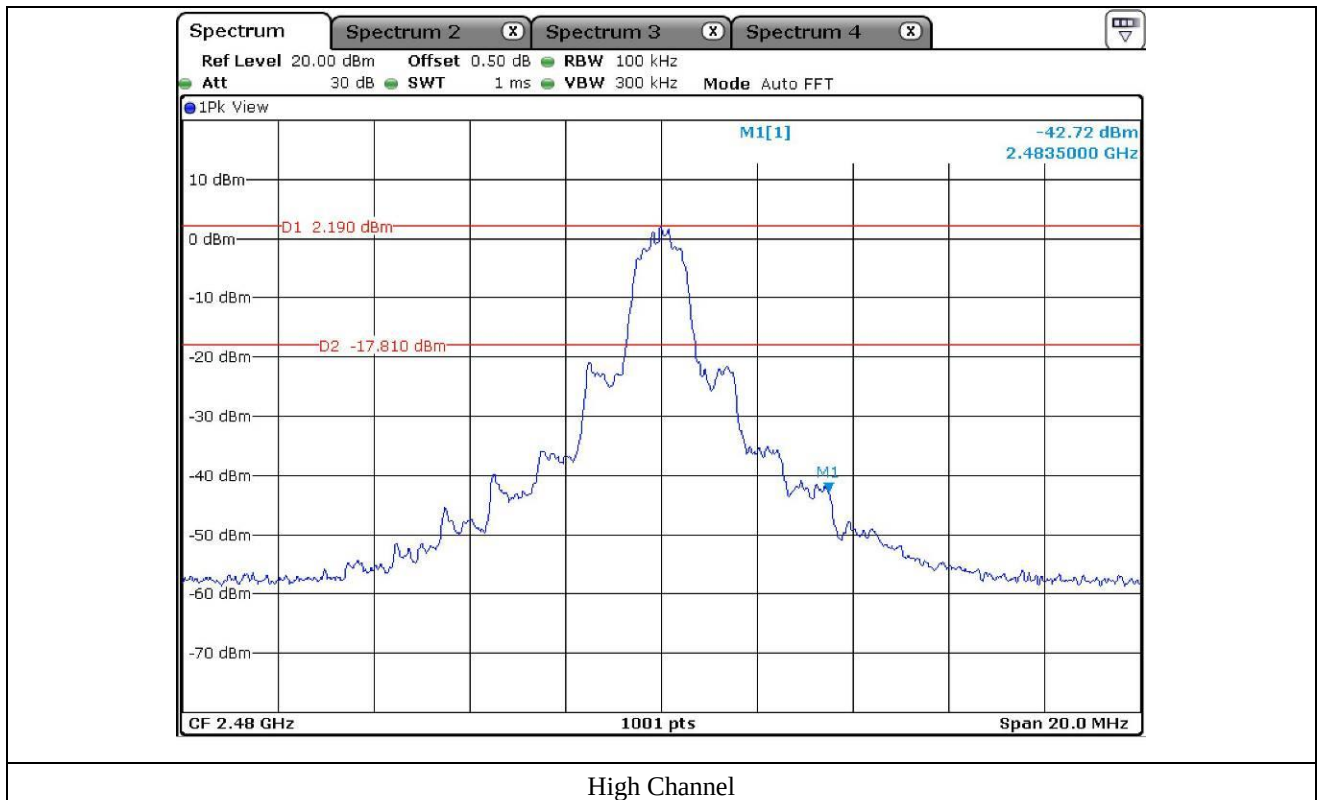
High Channel

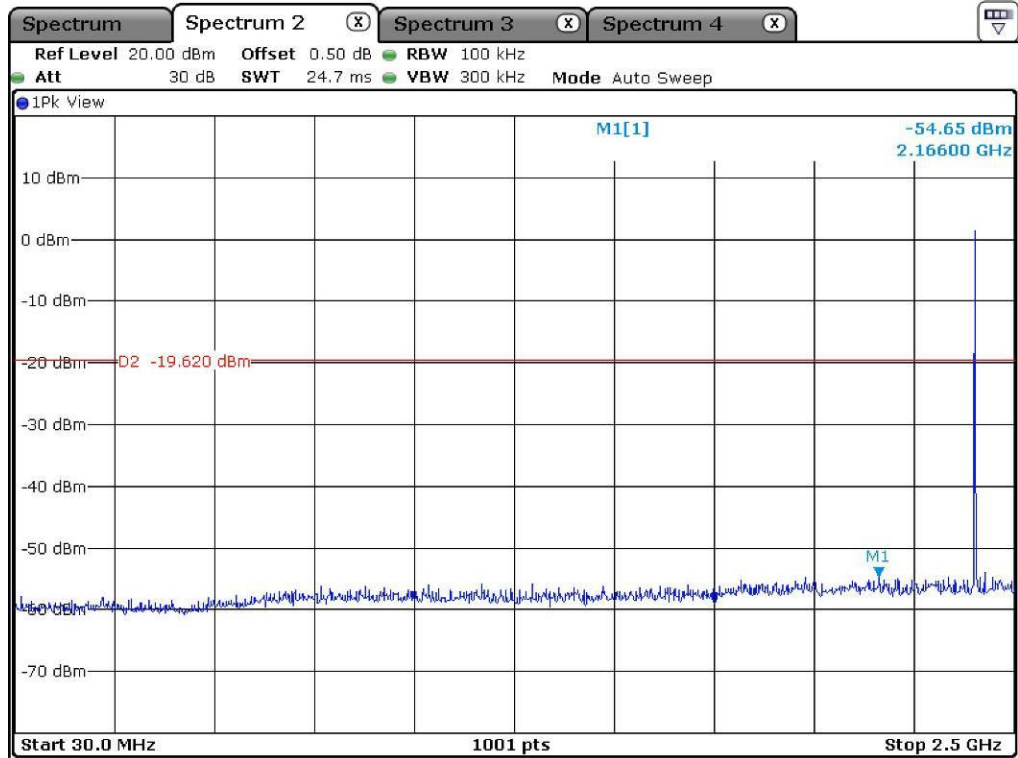


High Channel

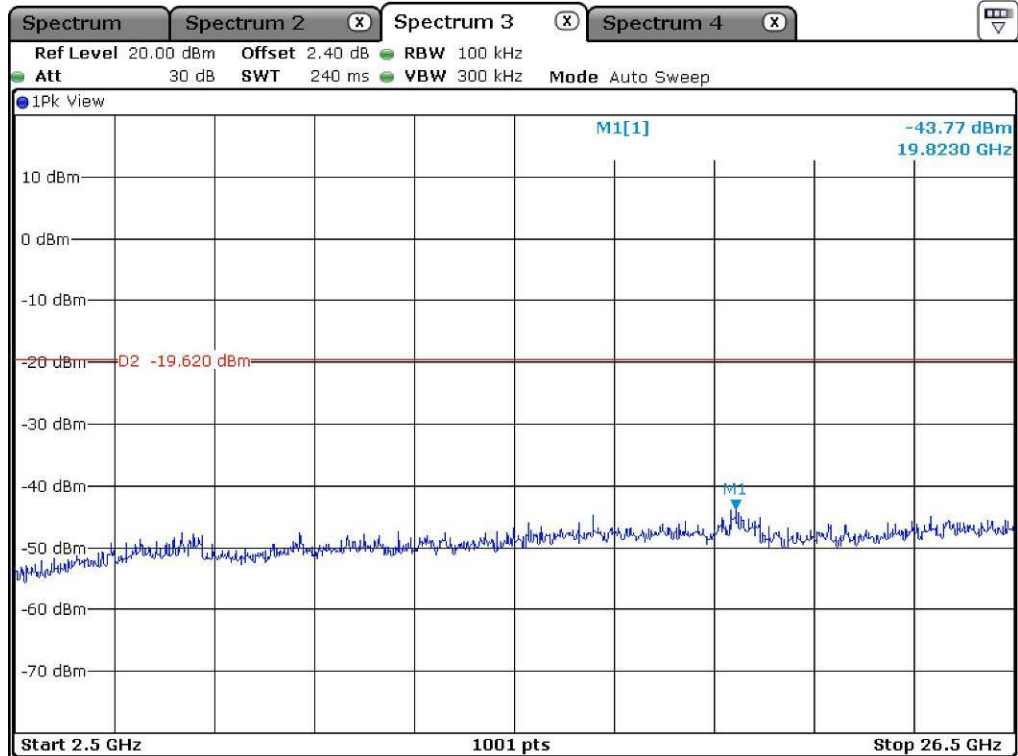
12.5.2 Test data for 2 Mbps



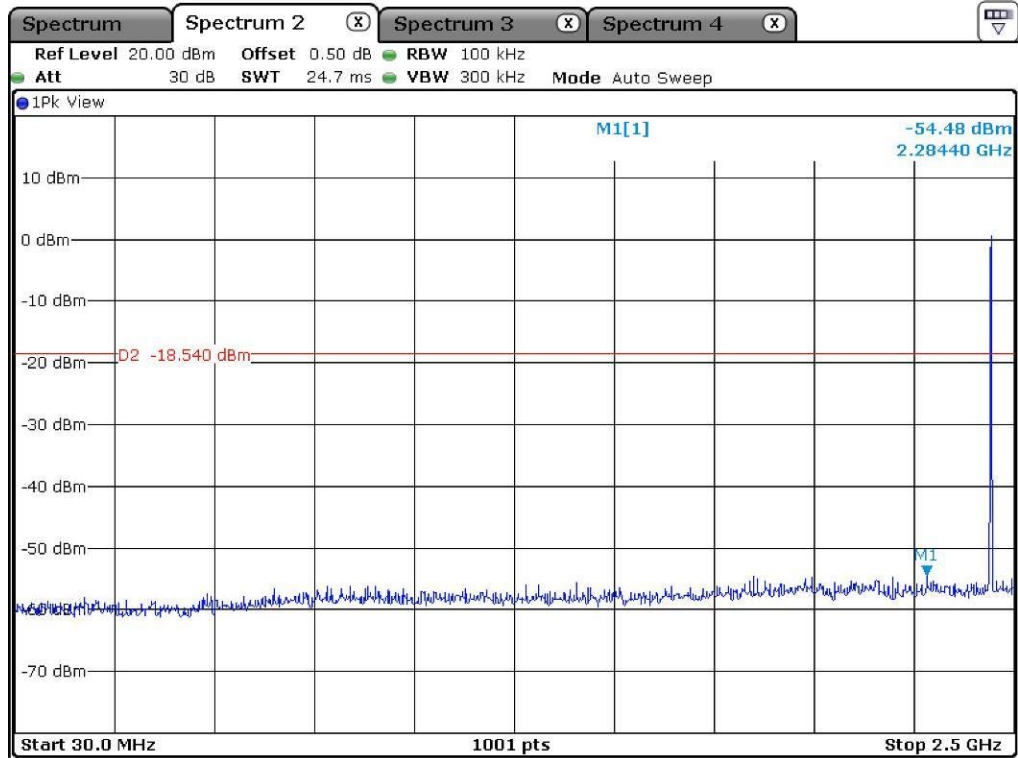




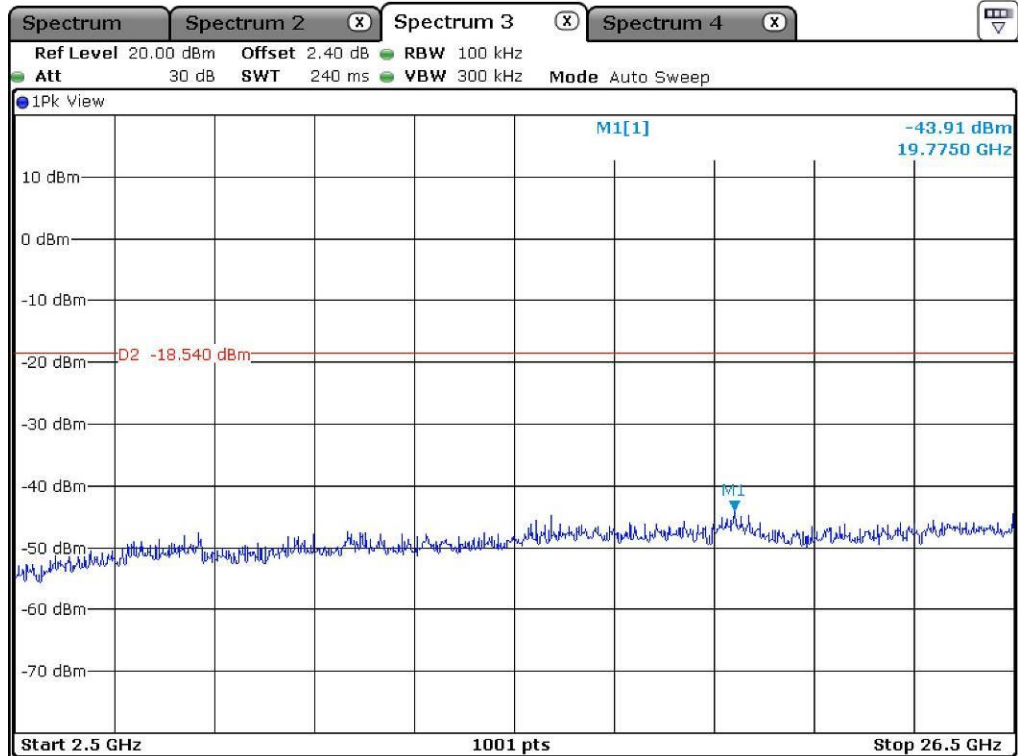
Low Channel



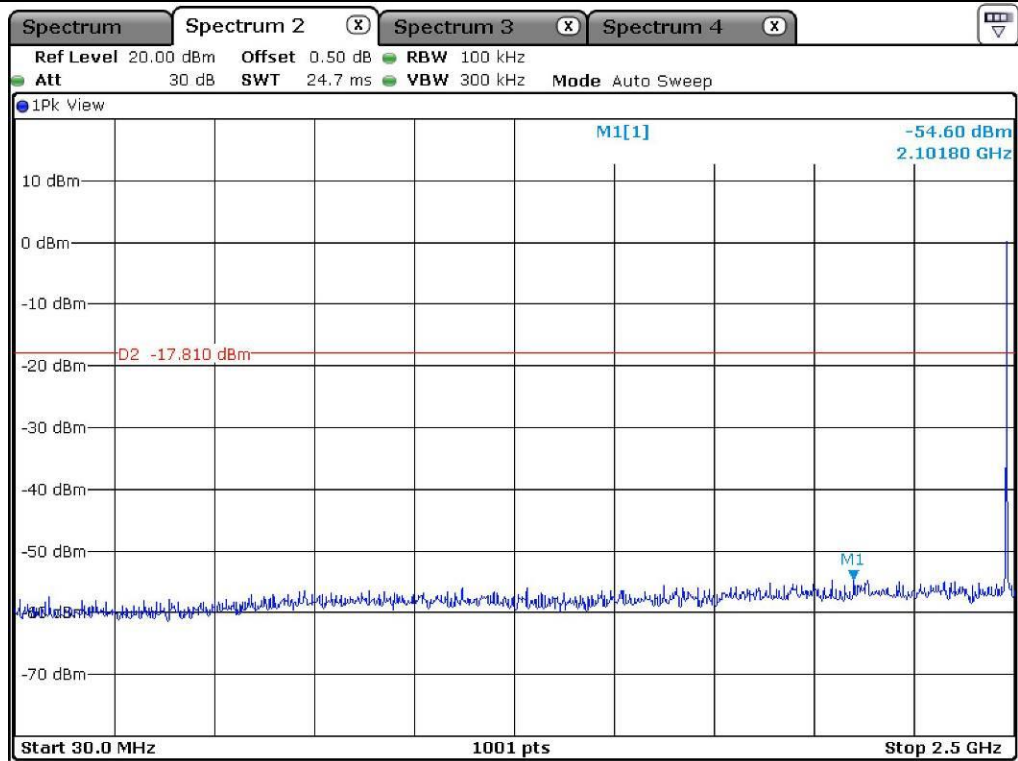
Low Channel



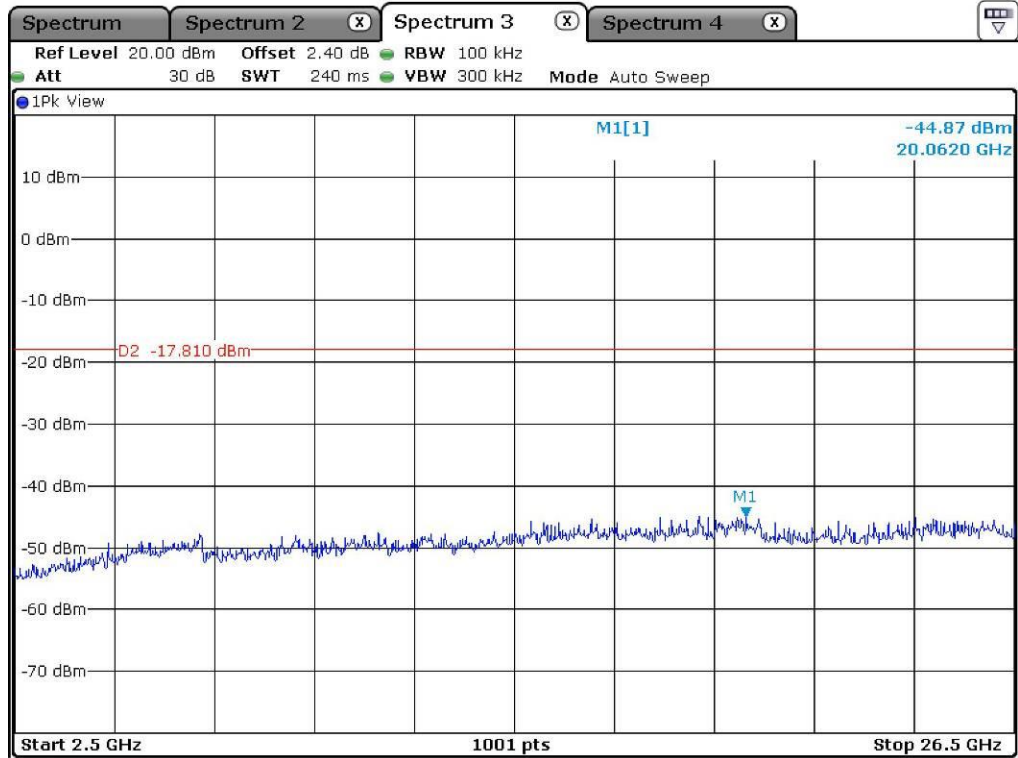
Middle Channel



Middle Channel

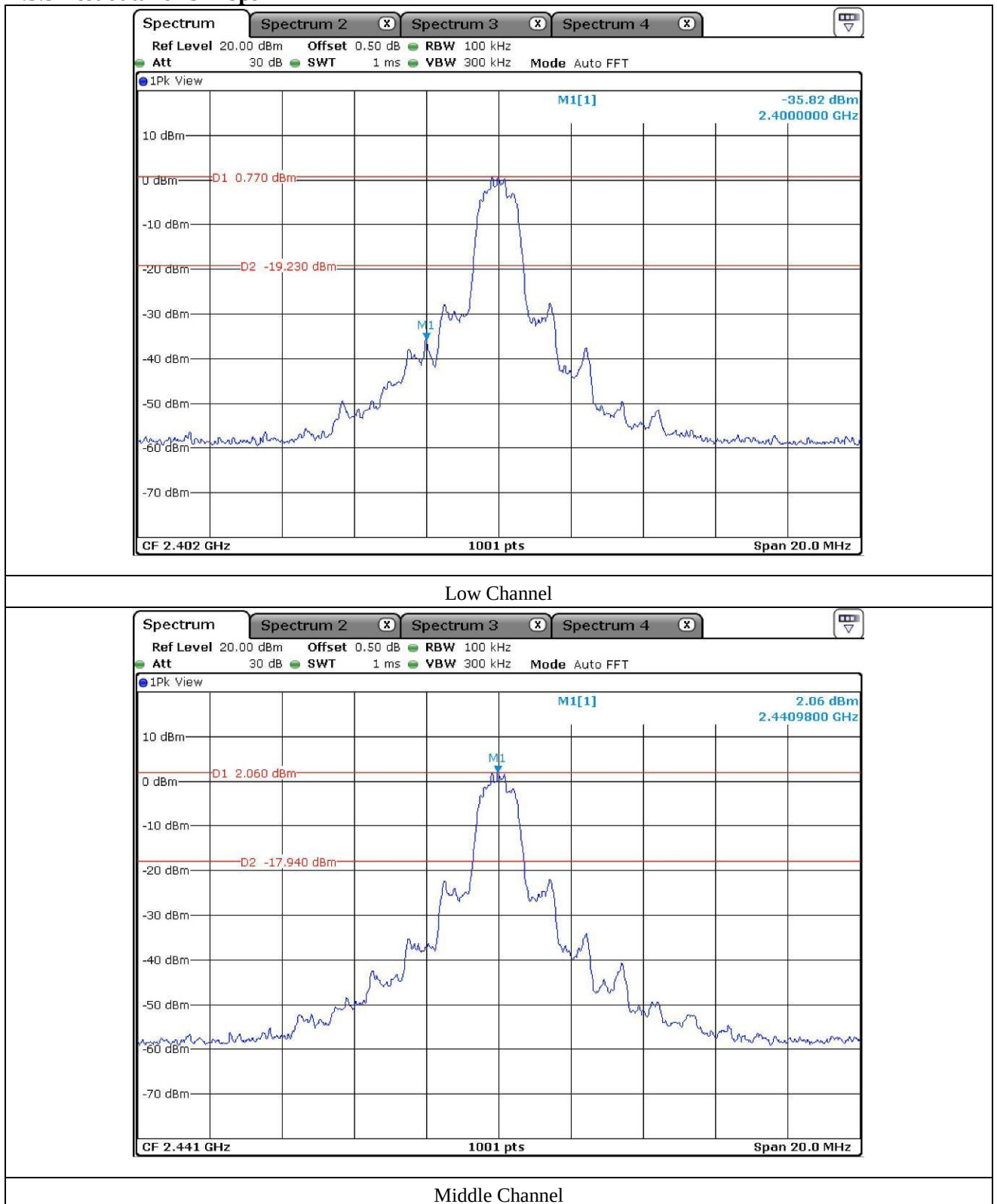


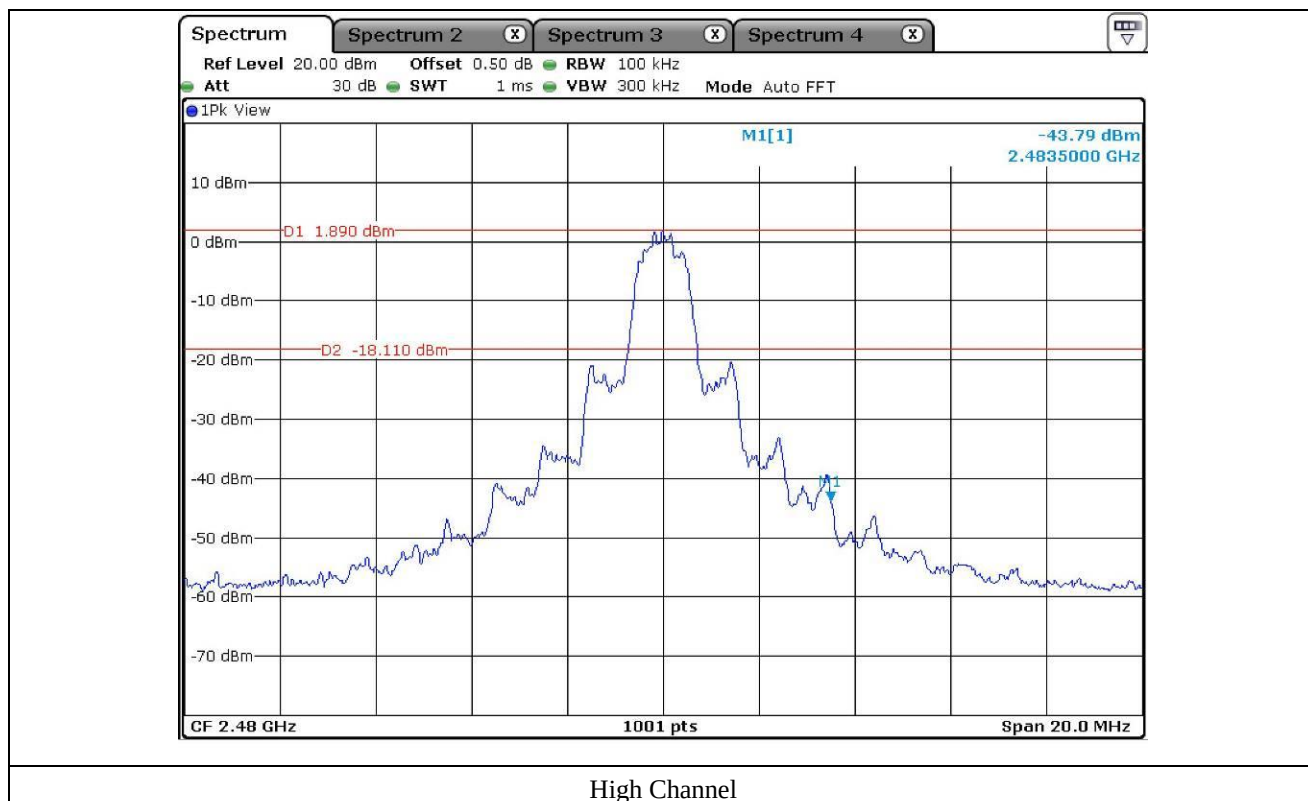
High Channel

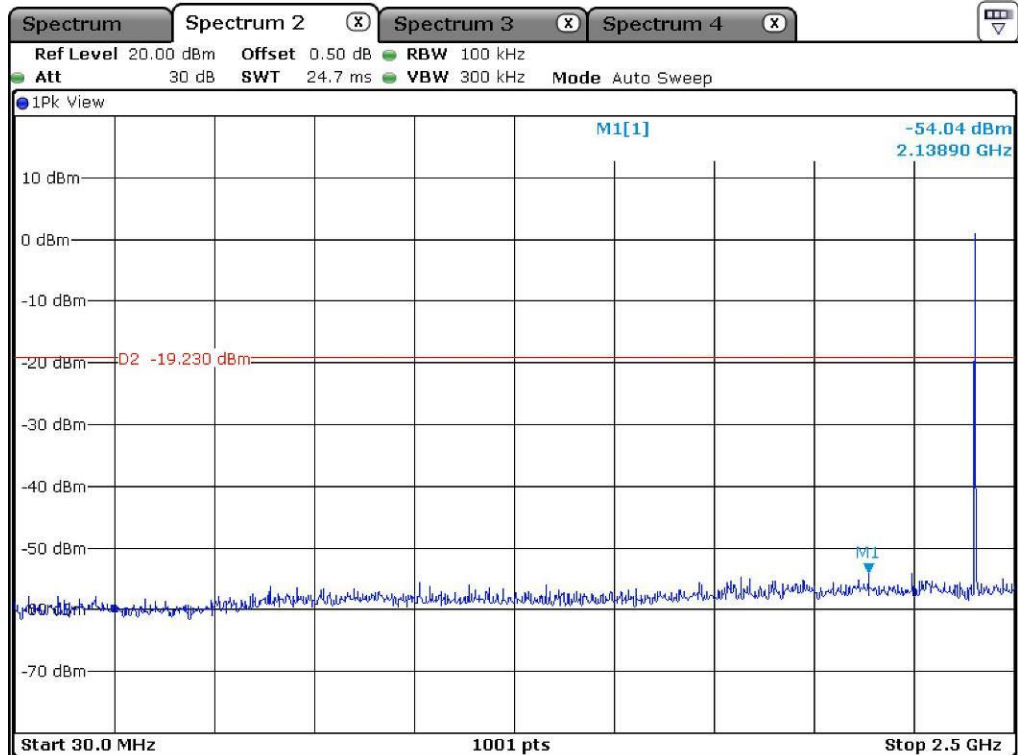


High Channel

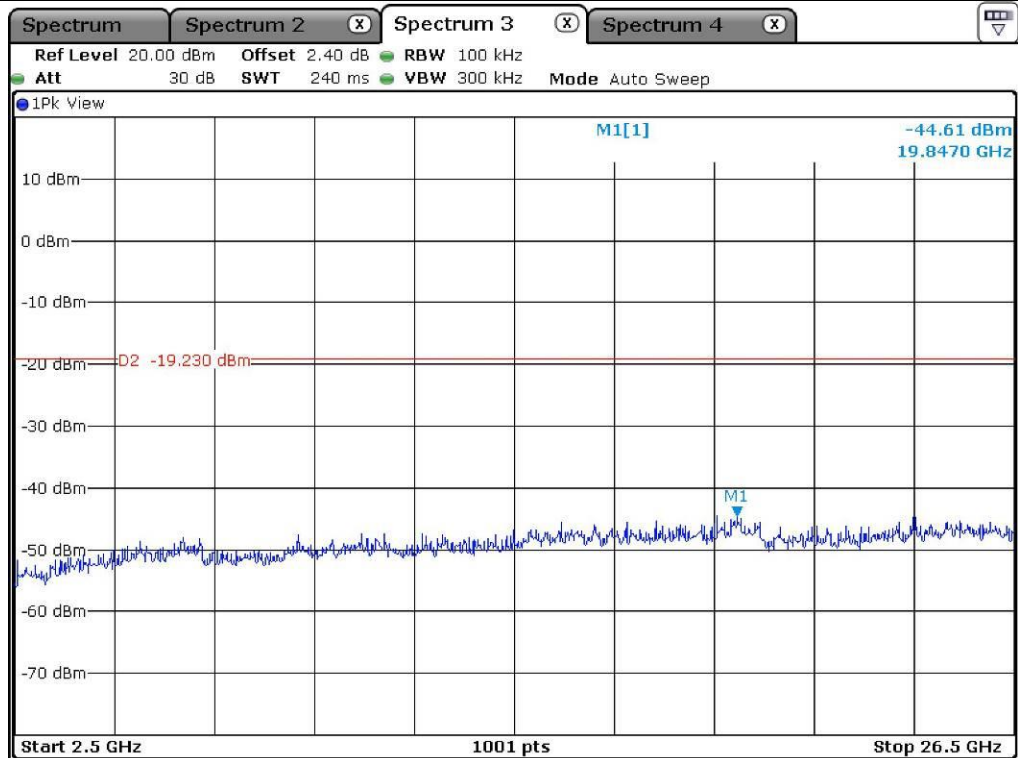
12.5.3 Test data for 3 Mbps



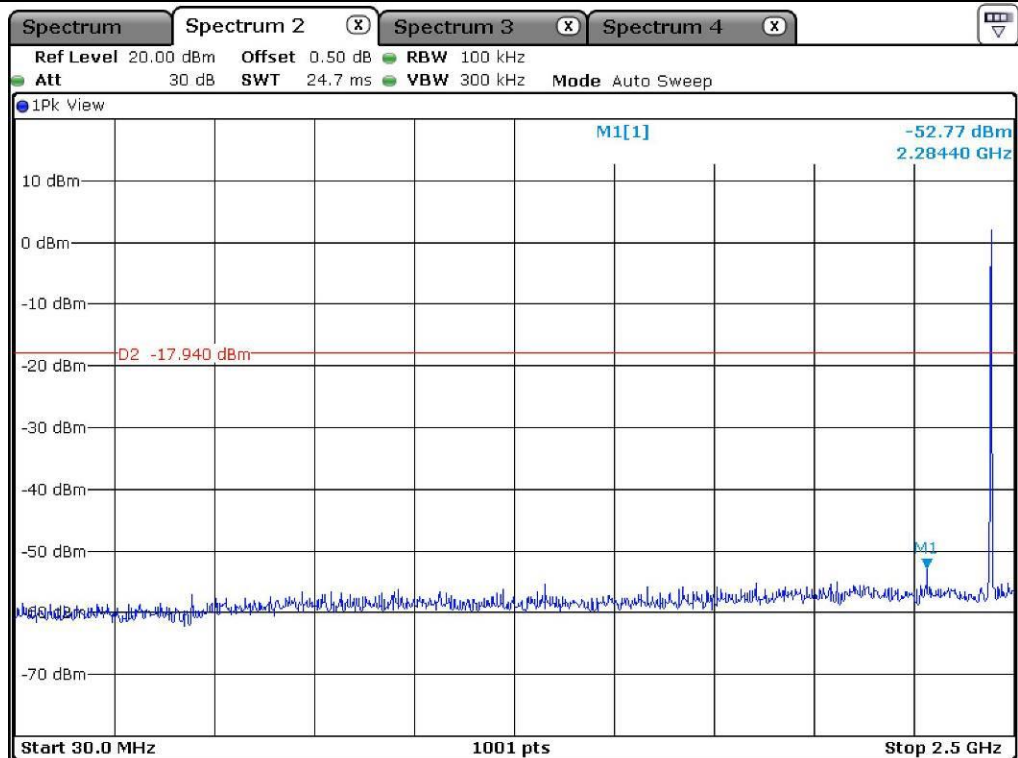




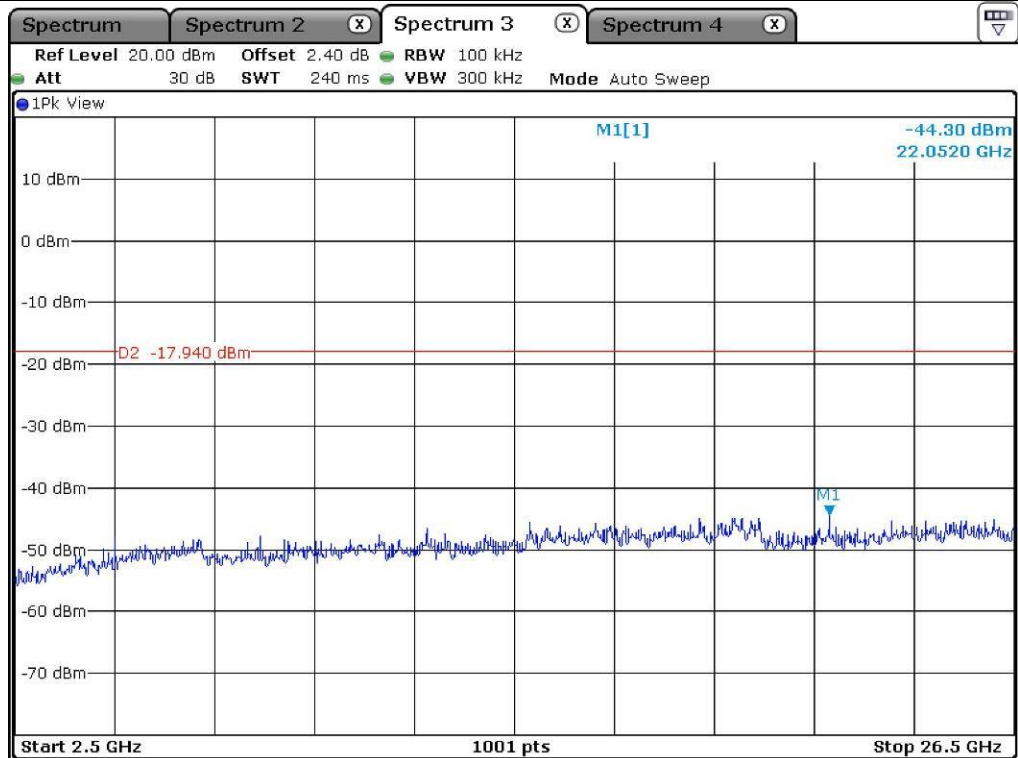
Low Channel



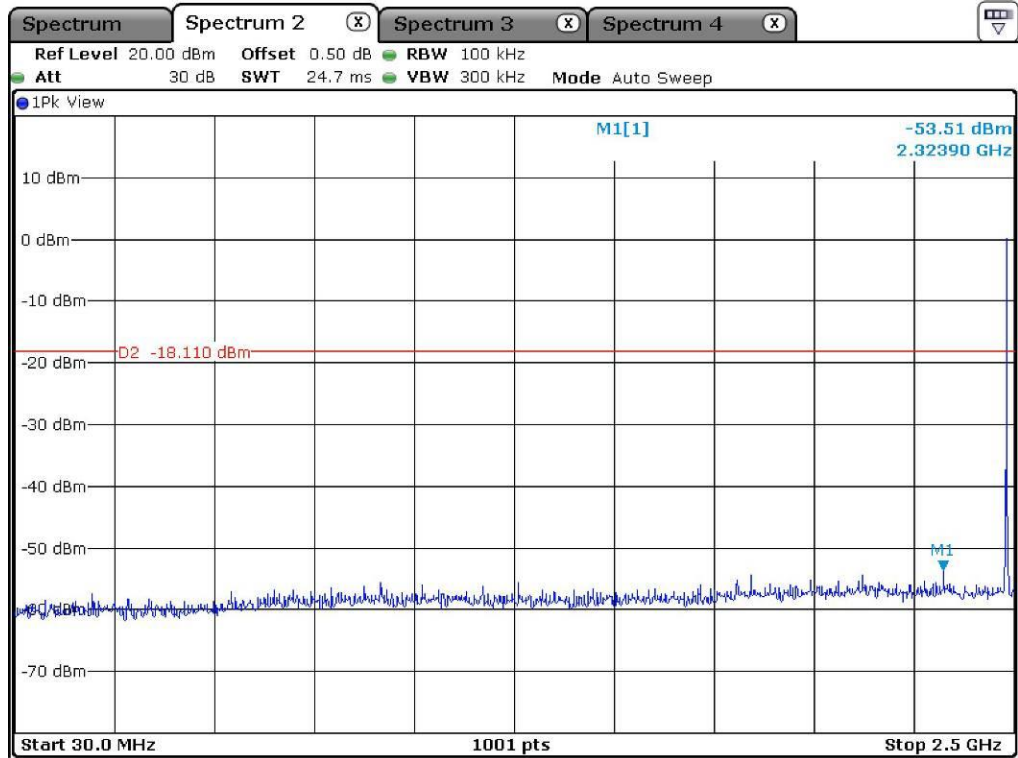
Low Channel



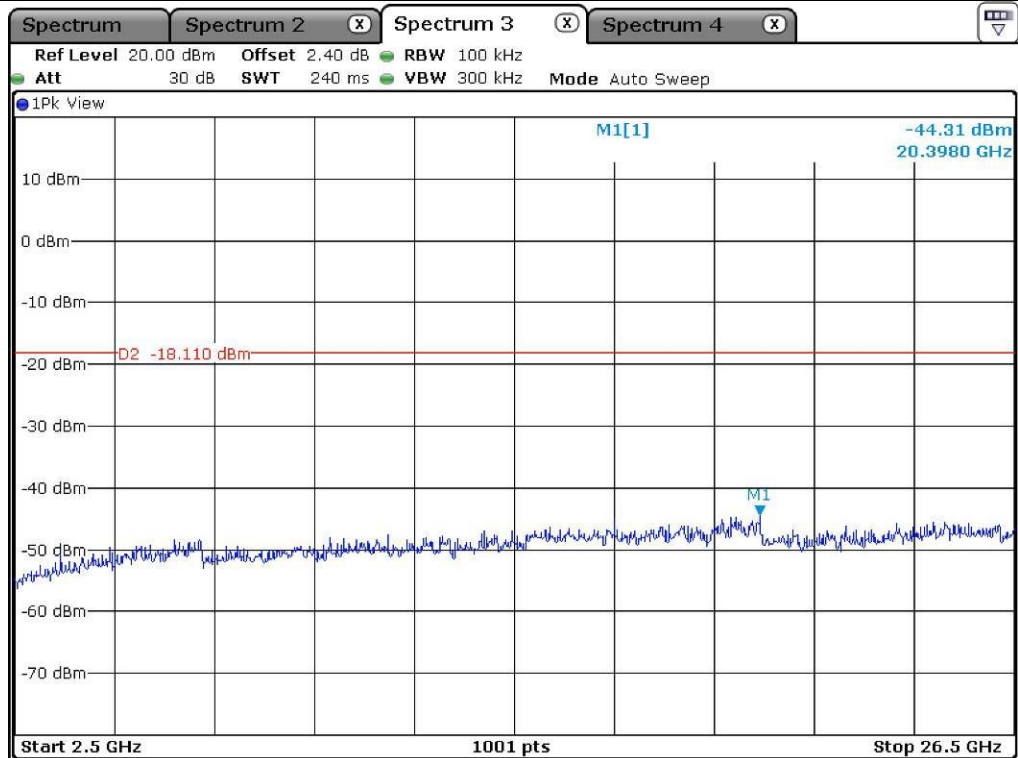
Middle Channel



Middle Channel



High Channel



High Channel

12.6 Test data for Transmitting mode radiated emission

12.6.1 Radiated Emission which fall in the Restricted Band

12.6.1.1 Test data for 1 Mbps

- Test Date : May 01, 2018 ~ May 04, 2018
- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel									
2 372.218	45.81	Peak	H	26.94	9.20	34.76	47.19	74.00	26.81
2 343.926	34.62	Average	H				36.00	54.00	18.00
2 329.620	46.50	Peak	V				47.88	74.00	26.12
2 344.885	34.73	Average	V				36.11	54.00	17.89
Test Data for High Channel									
2 483.508	47.01	Peak	H	27.20	9.35	34.81	48.75	74.00	25.25
2 483.508	36.31	Average	H				38.05	54.00	15.95
2 491.223	47.07	Peak	V				48.81	74.00	25.19
2 483.508	36.29	Average	V				38.03	54.00	15.97

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical


 Tested by: Tae-Ho, Kim / Senior Manager

12.6.1.2 Test data for 2 Mbps

- Test Date : May 01, 2018 ~ May 04, 2018
- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel									
2 332.018	46.02	Peak	H	26.94	9.20	34.76	47.40	74.00	26.60
2 381.568	34.75	Average	H				36.13	54.00	17.87
2 327.383	45.58	Peak	V				46.96	74.00	27.04
2 318.911	34.73	Average	V				36.11	54.00	17.89
Test Data for High Channel									
2 493.234	46.98	Peak	H	27.20	9.35	34.81	48.72	74.00	25.28
2 483.508	34.91	Average	H				36.65	54.00	17.35
2 488.948	46.15	Peak	V				47.89	74.00	26.11
2 483.508	34.89	Average	V				36.63	54.00	17.37

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical


Tested by: Tae-Ho, Kim / Senior Manager

12.6.1.3 Test data for 3 Mbps

- Test Date : May 01, 2018 ~ May 04, 2018
- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode
1 MHz and RMS Detector for Average Mode
- Video bandwidth : 3 MHz for Peak and Average Mode
- Measurement distance : 3 m
- Result : PASSED

Frequency (MHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel									
2 362.308	45.51	Peak	H	26.94	9.20	34.76	46.89	74.00	27.11
2 322.507	34.75	Average	H				36.13	54.00	17.87
2 346.484	46.15	Peak	V				47.53	74.00	26.47
2 344.486	34.66	Average	V				36.04	54.00	17.96
Test Data for High Channel									
2 497.635	46.45	Peak	H	27.20	9.35	34.81	48.19	74.00	25.81
2 483.508	34.75	Average	H				36.49	54.00	17.51
2 498.657	47.15	Peak	V				48.89	74.00	25.11
2 483.508	34.87	Average	V				36.61	54.00	17.39

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical



Tested by: Tae-Ho, Kim / Manager

12.6.2 Spurious & Harmonic Radiated Emission above 1 GHz

12.6.2.1 Test data for 1 Mbps

- Test Date : May 01, 2018 ~ May 04, 2018
- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 26.5 GHz
- Measurement distance : 3 m
- Result : PASSED

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel									
4 803.035	40.87	Peak	H	30.84	12.31	35.74	48.28	74.00	25.72
4 804.051	29.94	Average	H				37.35	54.00	16.65
4 804.337	41.98	Peak	V				49.39	74.00	24.61
4 804.239	29.89	Average	V				37.30	54.00	16.70
Test Data for Middle Channel									
4 882.571	40.67	Peak	H	30.01	12.43	35.80	47.31	74.00	26.69
4 882.014	29.75	Average	H				36.39	54.00	17.61
4 881.824	40.39	Peak	V				47.03	74.00	26.97
4 882.105	29.69	Average	V				36.33	54.00	17.67
Test Data for High Channel									
4 960.145	41.07	Peak	H	31.15	12.81	35.96	49.07	74.00	24.93
4 960.051	30.36	Average	H				38.36	54.00	15.64
4 960.057	40.61	Peak	V				48.61	74.00	25.39
4 960.050	30.05	Average	V				38.05	54.00	15.95

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical, "*" Frequency fall in restricted band



Tested by: Tae-Ho, Kim / Senior Manager

12.6.2.2 Test data for 2 Mbps

- Test Date : May 01, 2018 ~ May 04, 2018
- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 26.5 GHz
- Measurement distance : 3 m
- Result : PASSED

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel									
4 803.508	40.31	Peak	H	30.84	12.31	35.74	47.72	74.00	26.28
4 804.181	29.63	Average	H				37.04	54.00	16.96
4 803.594	41.25	Peak	V				48.66	74.00	25.34
4 804.499	29.73	Average	V				37.14	54.00	16.86
Test Data for Middle Channel									
4 881.410	40.22	Peak	H	30.01	12.43	35.80	46.86	74.00	27.14
4 882.004	29.36	Average	H				36.00	54.00	18.00
4 882.999	40.36	Peak	V				47.00	74.00	27.00
4 881.972	29.15	Average	V				35.79	54.00	18.21
Test Data for High Channel									
4 959.896	40.80	Peak	H	31.15	12.81	35.96	48.80	74.00	25.20
4 960.050	29.58	Average	H				37.58	54.00	16.42
4 960.683	40.89	Peak	V				48.89	74.00	25.11
4 959.029	29.37	Average	V				37.37	54.00	16.63

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical, "*" Frequency fall in restricted band


 Tested by: Tae-Ho, Kim / Senior Manager

12.6.2.3 Test data for 3 Mbps

- Test Date : May 01, 2018 ~ May 04, 2018
- Resolution bandwidth : 1 MHz and Peak Detector for Peak Mode for the emissions fall in restricted band,
1 MHz and RMS Detector for Average Mode for the emissions fall in restricted band
100 kHz for Peak Mode for the emissions outside restricted band
- Video bandwidth : 3 MHz for Peak and Average Mode
- Frequency range : 1 GHz ~ 26.5 GHz
- Measurement distance : 3 m
- Result : PASSED

Frequency (GHz)	Reading (dBμV)	Detector Mode	Ant. Pol. (H/V)	Ant. Factor	Cable Loss	Amp Gain	Total (dBμV/m)	Limits (dBμV/m)	Margin (dB)
Test Data for Low Channel									
4 804.719	40.48	Peak	H	30.84	12.31	35.74	47.89	74.00	26.11
4 804.187	29.57	Average	H				36.98	54.00	17.02
4 804.783	40.70	Peak	V				48.11	74.00	25.89
4 804.225	29.73	Average	V				37.14	54.00	16.86
Test Data for Middle Channel									
4 881.110	41.29	Peak	H	30.01	12.43	35.80	47.93	74.00	26.07
4 881.444	29.17	Average	H				35.81	54.00	18.19
4 882.617	40.20	Peak	V				46.84	74.00	27.16
4 882.179	29.23	Average	V				35.87	54.00	18.13
Test Data for High Channel									
4 959.001	41.06	Peak	H	31.15	12.81	35.96	49.06	74.00	24.94
4 959.826	29.54	Average	H				37.54	54.00	16.46
4 960.999	40.24	Peak	V				48.24	74.00	25.76
4 959.826	29.40	Average	V				37.40	54.00	16.60

Tabulated test data for Restricted Band

Remark: "H": Horizontal, "V": Vertical, "*" Frequency fall in restricted band



Tested by: Tae-Ho, Kim / Senior Manager

13. RADIATED EMISSION TEST

13.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 43.8 % R.H

13.2 Test set-up

The radiated emissions measurements were on the 3 m semi anechoic chamber. The EUT and other support equipment were placed on a non-conductive turntable above the ground plane. The interconnecting cables from outside test site were inserted into ferrite clamps at the point where the cables reach the turntable.

The frequency spectrum from 30 MHz to 26.5 GHz was scanned and emission levels maximized at each frequency recorded. The system was rotated 360°, and the antenna was varied in height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for both horizontal and vertical polarization of the receiving antenna.

13.3 Test equipment used

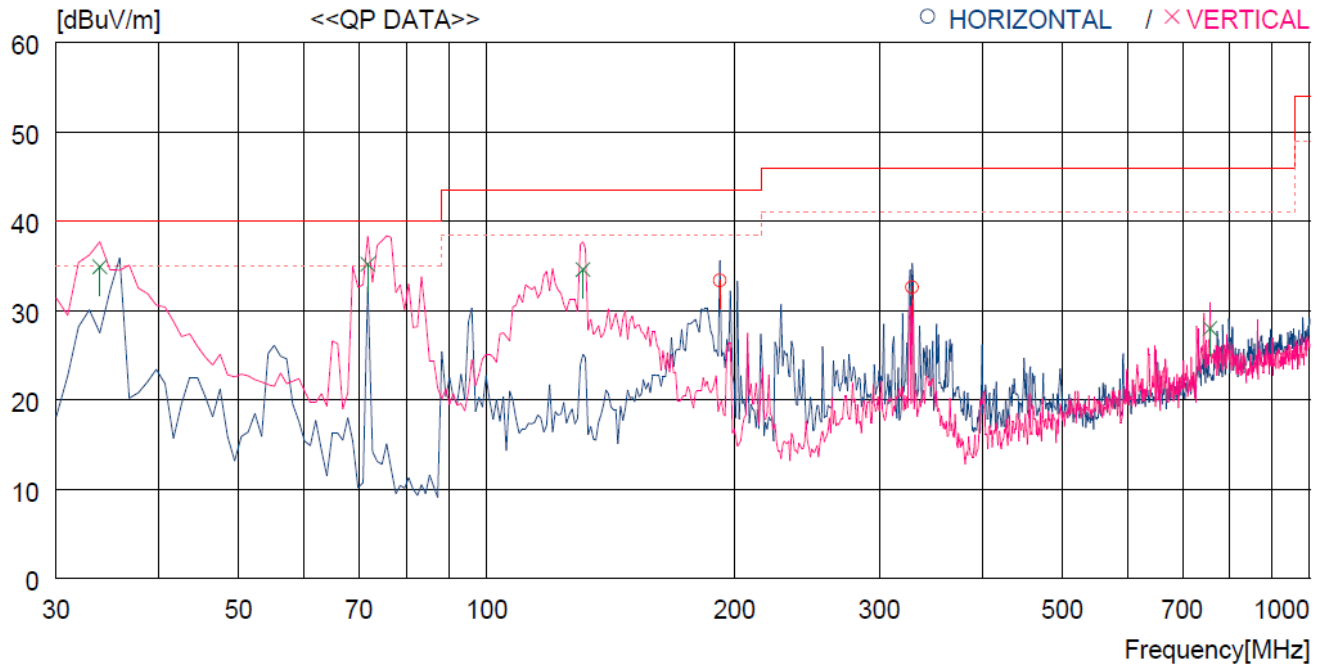
Model Number	Manufacturer	Description	Serial Number	Last Cal.
■ - FSV40	Rohde & Schwarz	Signal Analyzer	101009	Apr. 05, 2017 (1Y)
■ - ESU	Rohde & Schwarz	EMI Test Receiver	100261	Apr. 06, 2017 (1Y)
■ - 310N	Sonoma Instrument	Pre-Amplifier	312544	Apr. 05, 2017 (1Y)
■ - BBV9718	Schwarzbeck	Amplifier	310	Sep. 01, 2017 (1Y)
■ - DT3000-3t	Innco System	Turn Table	DT3000/093	N/A
■ - MA-4000XPET	Innco System	Antenna Master	MA4000/509	N/A
■ - VULB9163	Schwarzbeck	TRILOG Broadband Antenna	9163-421	Apr. 15, 2016 (2Y)
■ - BBHA9120D	Schwarzbeck	Horn Antenna	BBHA9120D295	May 26, 2017 (2Y)
■ - BBHA 9170	Schwarzbeck	Horn Antenna	BBHA9170179	Jul. 28, 2017 (2Y)

All test equipment used is calibrated on a regular basis.

13.4 Test data for 30 MHz ~ 1 000 MHz

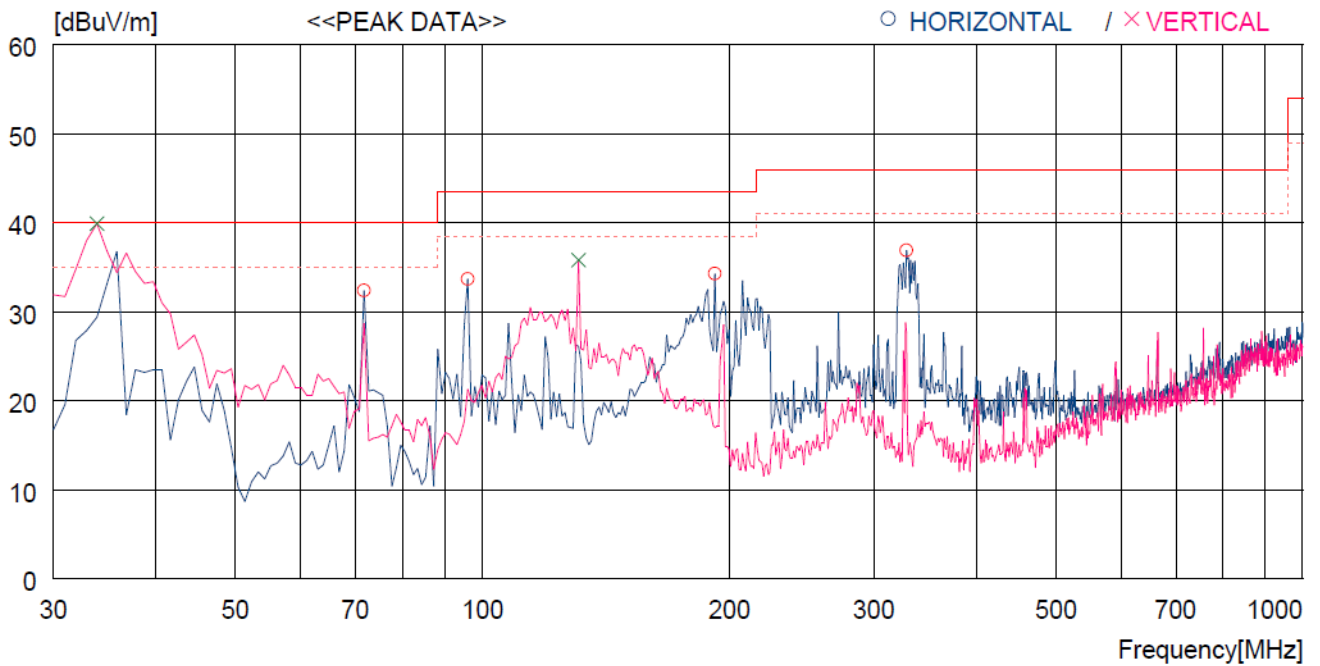
-. Test Date : May 01, 2018 ~ May 04, 2018
 -. Resolution bandwidth : 120 kHz
 -. Frequency range : 30 MHz ~ 1 000 MHz
 -. Measurement distance : 3 m

-. Operating condition : Low Channel



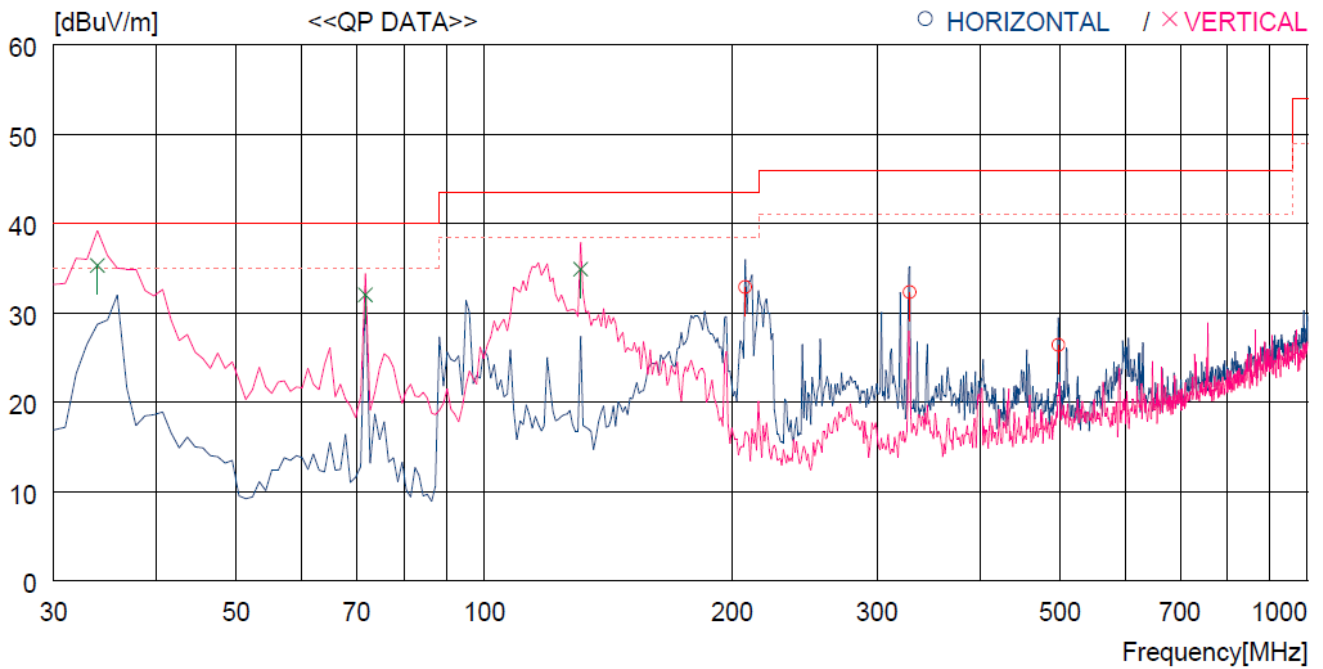
No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	FACTOR	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	191.990	52.0	10.9	3.6	33.1	33.4	43.5	10.1	100	249
2	328.760	46.8	14.2	4.7	33.1	32.6	46.0	13.4	100	188
----- Vertical -----										
3	33.880	53.4	13.1	1.5	33.1	34.9	40.0	5.1	100	188
4	71.710	57.1	9.0	2.2	33.1	35.2	40.0	4.8	100	188
5	130.880	55.7	9.0	2.9	33.0	34.6	43.5	8.9	100	172
6	756.523	33.4	20.7	7.3	33.4	28.0	46.0	18.0	100	188

Operating condition : Middle Channel



No.	FREQ [MHz]	READING PEAK [dBuV]	ANT FACTOR [dB]	LOSS [dB]	GAIN [dB]	RESULT [dBuV/m]	LIMIT [dBuV/m]	MARGIN [dB]	ANTENNA [cm]	TABLE [DEG]
----- Horizontal -----										
1	71.710	54.3	9.0	2.2	33.1	32.4	40.0	7.6	100	113
2	95.960	52.2	12.0	2.5	33.0	33.7	43.5	9.8	100	194
3	191.990	52.9	10.9	3.6	33.1	34.3	43.5	9.2	100	113
4	328.760	51.1	14.2	4.7	33.1	36.9	46.0	9.1	100	113
----- Vertical -----										
5	33.880	58.4	13.1	1.5	33.1	39.9	40.0	.1	100	86
6	130.880	56.9	9.0	2.9	33.0	35.8	43.5	7.7	100	95

Operating condition : High Channel



No.	FREQ	READING	ANT	LOSS	GAIN	RESULT	LIMIT	MARGIN	ANTENNA	TABLE
	[MHz]	[dBuV]	FACTOR	[dB]	[dB]	[dBuV/m]	[dBuV/m]	[dB]	[cm]	[DEG]
----- Horizontal -----										
1	207.510	51.1	11.0	3.8	33.0	32.9	43.5	10.6	100	192
2	328.760	46.3	14.2	4.8	33.0	32.3	46.0	13.7	100	192
3	498.511	35.7	17.0	6.9	33.2	26.4	46.0	19.6	100	144
----- Vertical -----										
4	33.880	53.5	13.1	1.7	33.0	35.3	40.0	4.7	100	199
5	71.710	53.8	9.0	2.3	33.1	32.0	40.0	8.0	100	199
6	130.880	55.9	9.0	3.1	33.1	34.9	43.5	8.6	100	207


 Tested by: Tae-Ho, Kim / Senior Manager

13.5 Test data for Below 30 MHz

- . Test Date : May 01, 2018 ~ May 04, 2018
- . Resolution bandwidth : 200 Hz (from 9 kHz to 0.15 MHz), 9 kHz (from 0.15 MHz to 30 MHz)
- . Frequency range : 9 kHz ~ 30 MHz
- . Measurement distance : 3 m

Frequency (MHz)	Reading (dBμV)	Ant. Pol. (H/V)	Ant. Factor (dB/m)	Cable Loss	Amp Gain	Emission Level(dBμV/m)	Limits (dBμV/m)	Margin (dB)
It was not observed any emissions from the EUT.								

13.6 Test data for above 1 GHz

- . Test Date : May 01, 2018 ~ May 04, 2018
- . Resolution bandwidth : 1 MHz for Peak and Average Mode
- . Video bandwidth : 1 MHz for Peak Mode, 10 Hz for Average Mode
- . Frequency range : 1 GHz ~ 26.5 GHz
- . Measurement distance : 3 m

Frequency (MHz)	Reading (dBμV)	Ant. Pol. (H/V)	Ant. Factor (dB/m)	Cable Loss	Amp Gain	Emission Level(dBμV/m)	Limits (dBμV/m)	Margin (dB)
It was not observed any emissions from the EUT.								


 Tested by: Tae-Ho, Kim / Senior Manager

14. CONDUCTED EMISSION TEST

14.1 Operating environment

Temperature : 22.4 °C
Relative humidity : 43.8 % R.H

14.2 Test set-up

The EUT was placed on a wooden table, 0.8 m height above the floor. Power was fed to the EUT through a 50 Ω / 50 μ H + 5 Ω Artificial Mains Network (AMN). The ground plane was electrically bonded to the reference ground system and all power lines were filtered from ambient.

14.3 Test equipment used

	Model Number	Manufacturer	Description	Serial Number	Last Cal. (Interval)
■ -	ESPI	Rohde & Schwarz	EMI Test Receiver	101278	Oct. 27, 2017 (1Y)
□ -	ESHS10	Rohde & Schwarz	EMI Test Receiver	834467/007	Mar. 29, 2018 (1Y)
□ -	NSLK8128	Schwarzbeck	AMN	8128-216	Mar. 29, 2018 (1Y)
■ -	NSLK8126	Schwarzbeck	AMN	8126-404	Apr. 04, 2018 (1Y)
□ -	3825/2	EMCO	AMN	9109-1869	Apr. 11, 2018 (1Y)
■ -	3825/2	EMCO	AMN	9109-1867	Mar. 28, 2018 (1Y)

All test equipment used is calibrated on a regular basis.

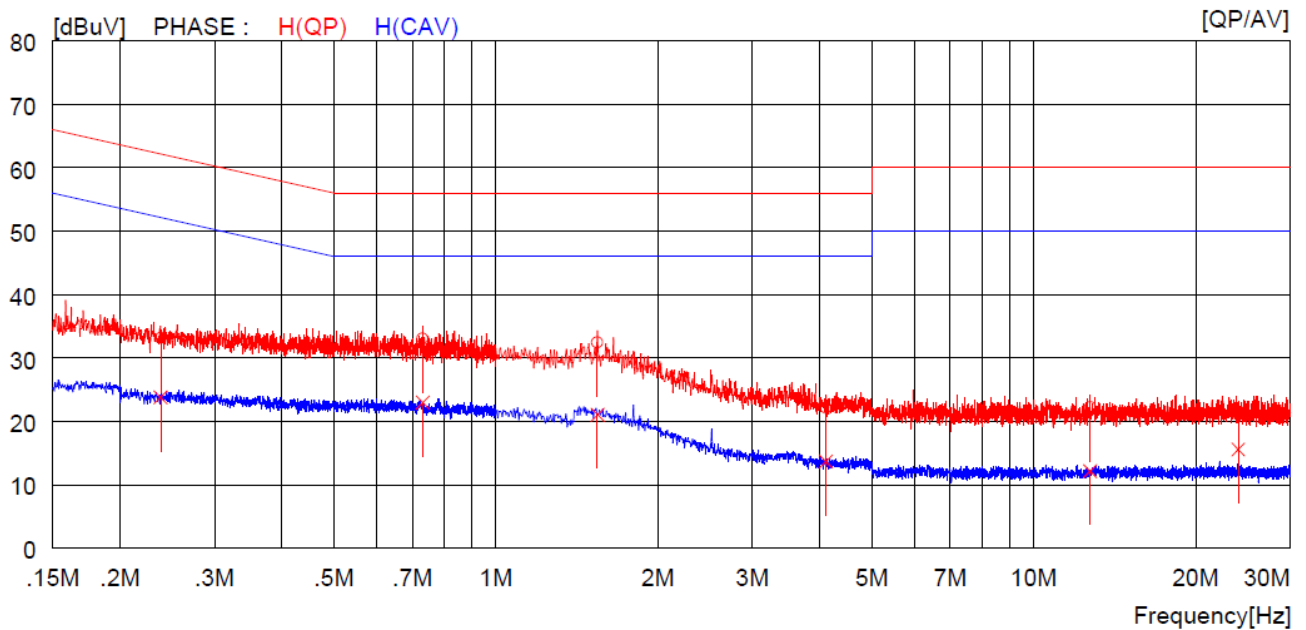
14.4 Test data

-. Test Date : May 01, 2018 ~ May 04, 2018

-. Resolution bandwidth : 9 kHz

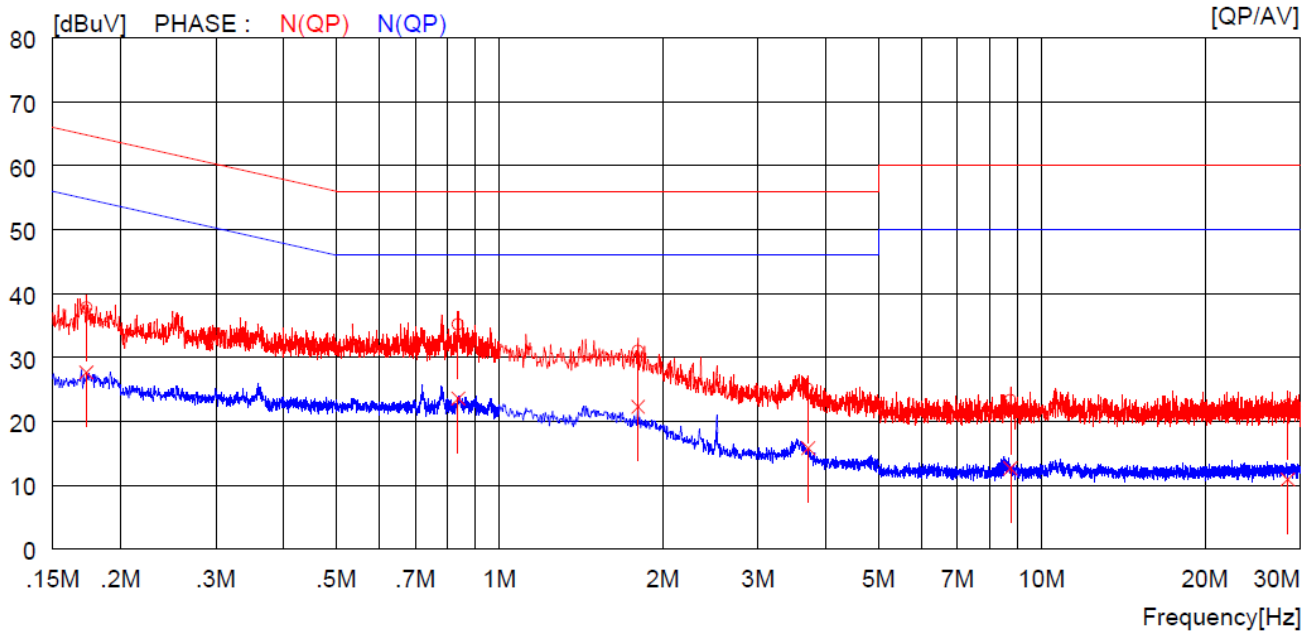
-. Frequency range : 0.15 MHz ~ 30 MHz

-. Tested Line : HOT LINE



NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.23800	23.2	----	9.9	33.1	----	62.2	----	29.1	----	H (QP)
2	0.73100	23.0	----	10.0	33.0	----	56.0	----	23.0	----	H (QP)
3	1.54400	22.4	----	10.0	32.4	----	56.0	----	23.6	----	H (QP)
4	4.10800	11.9	----	10.2	22.1	----	56.0	----	33.9	----	H (QP)
5	12.74000	11.7	----	10.5	22.2	----	60.0	----	37.8	----	H (QP)
6	24.00000	10.4	----	10.8	21.2	----	60.0	----	38.8	----	H (QP)
7	0.23800	----	13.9	9.9	----	23.8	----	52.2	----	28.4	H (CAV)
8	0.73100	----	13.0	10.0	----	23.0	----	46.0	----	23.0	H (CAV)
9	1.54400	----	11.1	10.0	----	21.1	----	46.0	----	24.9	H (CAV)
10	4.10800	----	3.5	10.2	----	13.7	----	46.0	----	32.3	H (CAV)
11	12.74000	----	1.7	10.5	----	12.2	----	50.0	----	37.8	H (CAV)
12	24.00000	----	4.8	10.8	----	15.6	----	50.0	----	34.4	H (CAV)

-. Tested Line : NEUTRAL LINE



NO	FREQ [MHz]	READING		C.FACTOR [dB]	RESULT		LIMIT		MARGIN		PHASE
		QP [dBuV]	AV [dBuV]		QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	QP [dBuV]	AV [dBuV]	
1	0.17300	27.9	----	9.9	37.8	----	64.8	----	27.0	----	N (QP)
2	0.83900	25.2	----	10.0	35.2	----	56.0	----	20.8	----	N (QP)
3	1.80000	21.0	----	10.0	31.0	----	56.0	----	25.0	----	N (QP)
4	3.70800	14.9	----	10.2	25.1	----	56.0	----	30.9	----	N (QP)
5	8.75500	12.9	----	10.4	23.3	----	60.0	----	36.7	----	N (QP)
6	28.45000	11.8	----	10.7	22.5	----	60.0	----	37.5	----	N (QP)
7	0.17300	----	17.7	9.9	----	27.6	----	54.8	----	27.2	N (CAV)
8	0.83900	----	13.6	10.0	----	23.6	----	46.0	----	22.4	N (CAV)
9	1.80000	----	12.3	10.0	----	22.3	----	46.0	----	23.7	N (CAV)
10	3.70800	----	5.6	10.2	----	15.8	----	46.0	----	30.2	N (CAV)
11	8.75500	----	2.3	10.4	----	12.7	----	50.0	----	37.3	N (CAV)
12	28.45000	----	0.2	10.7	----	10.9	----	50.0	----	39.1	N (CAV)

Remark: Margin (dB) = Limit – Level (Result)

The emission level in above table is included the transducer factor that means insertion loss (LISN), cable loss and attenuator.

Tested by: Tae-Ho, Kim / Senior Manager