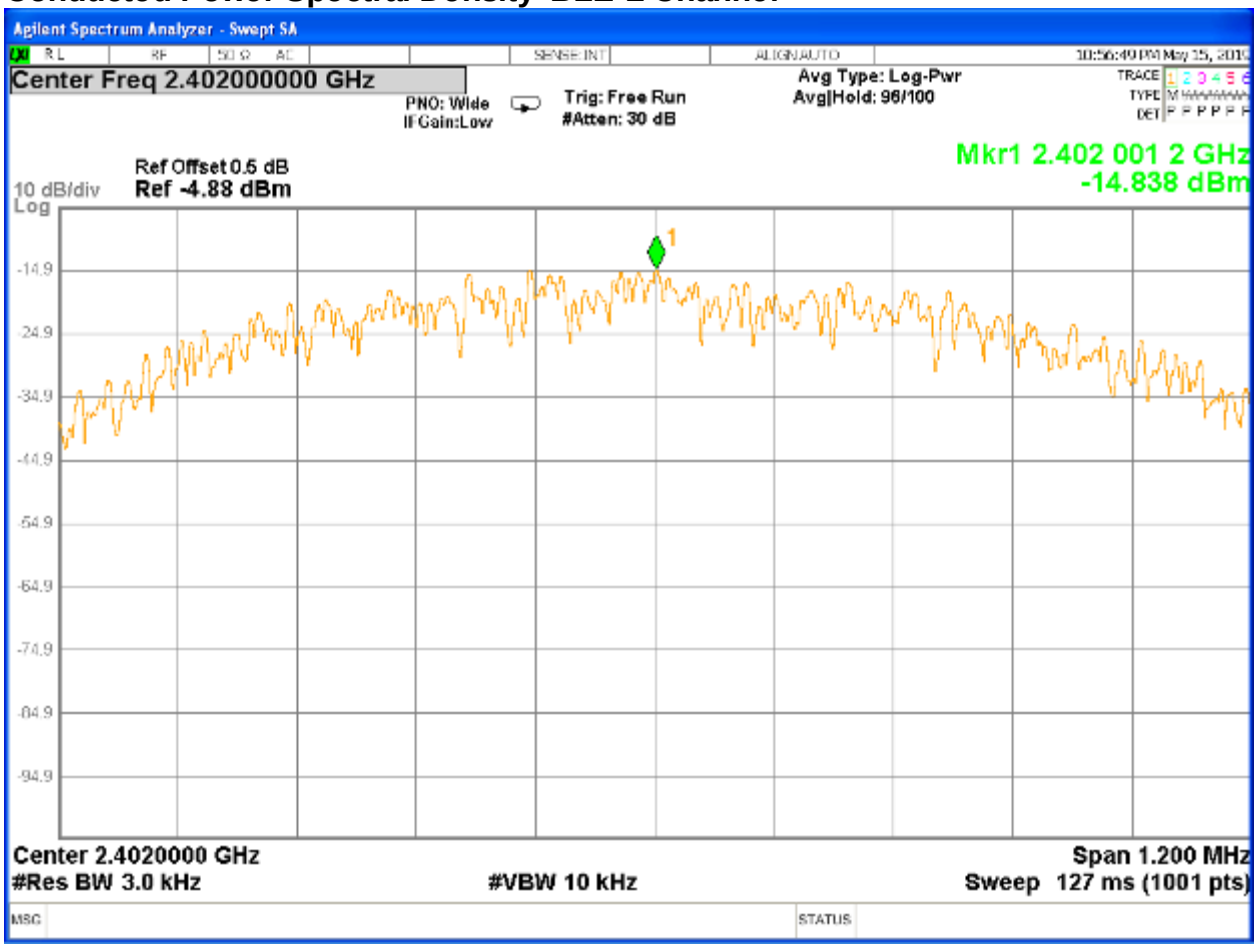
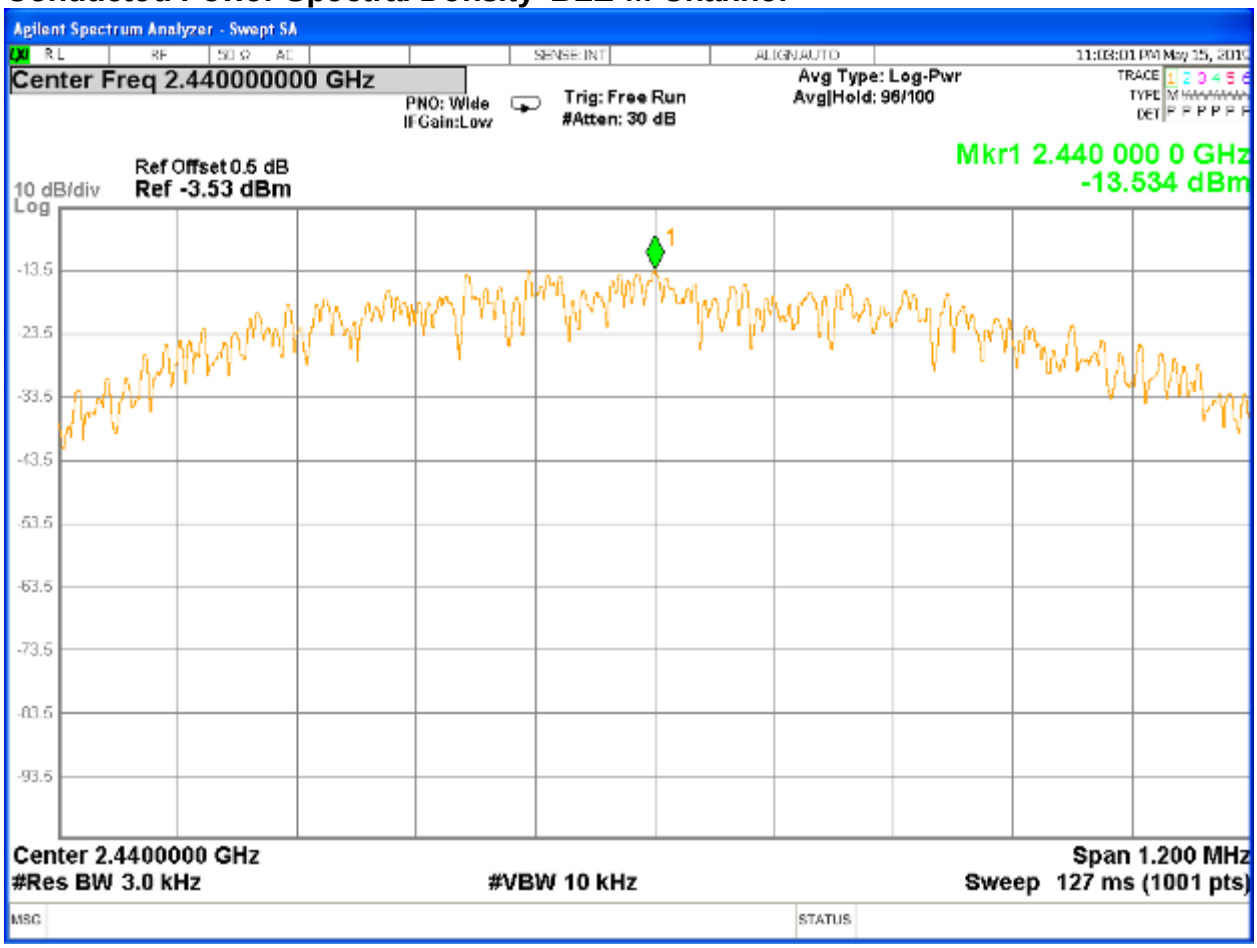
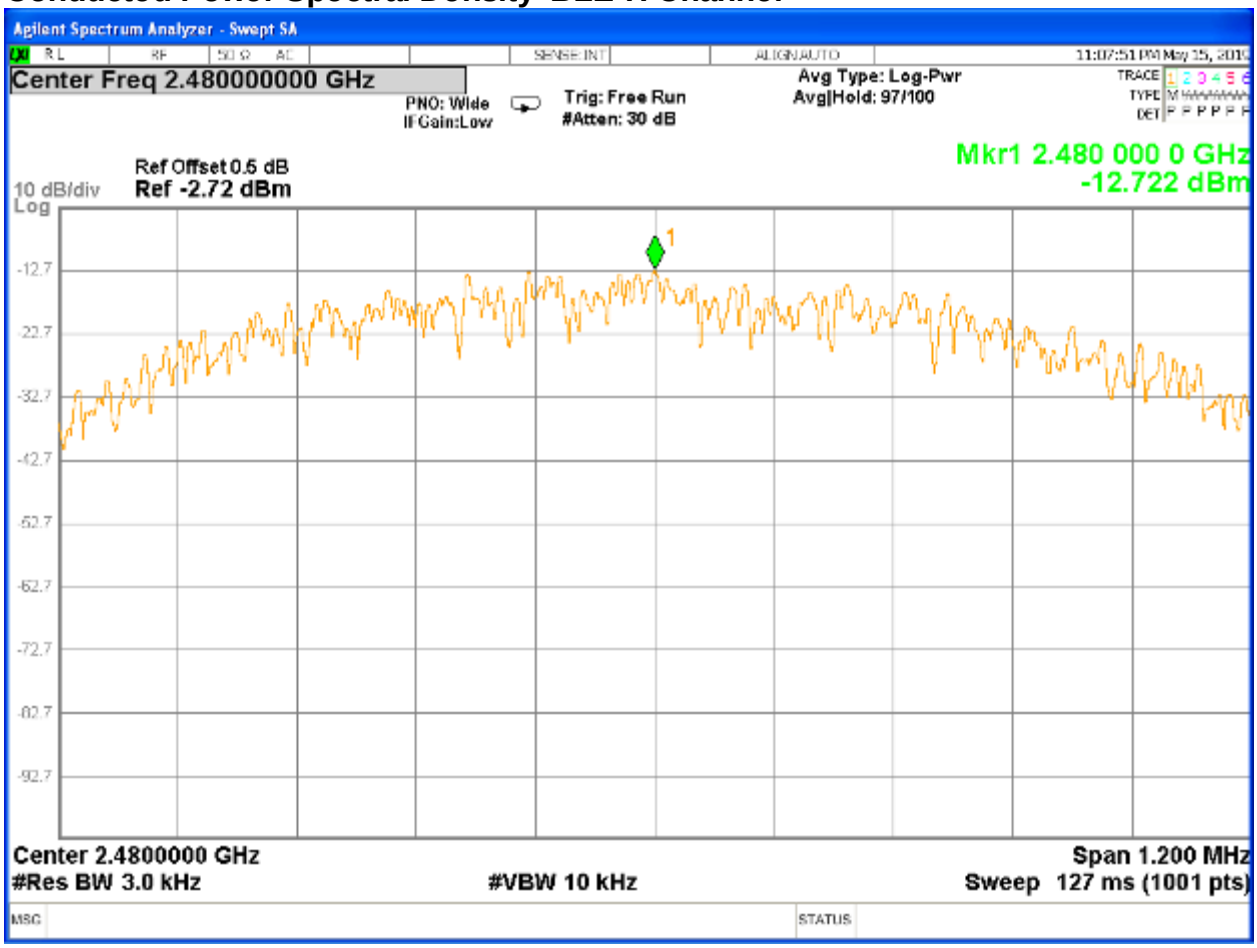
Conducted Power Spectral Density–BLE-L Channel



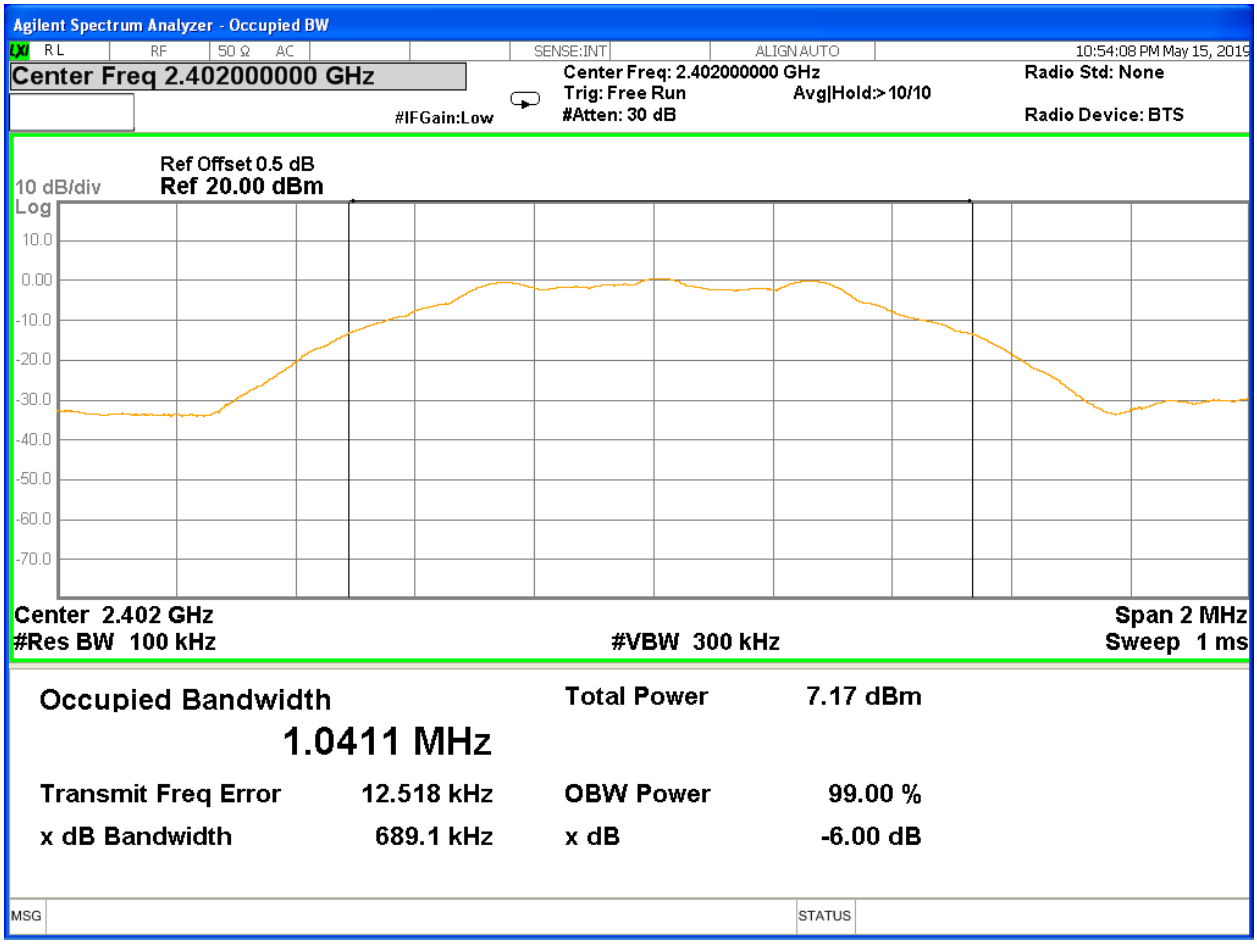
Conducted Power Spectral Density–BLE-M Channel



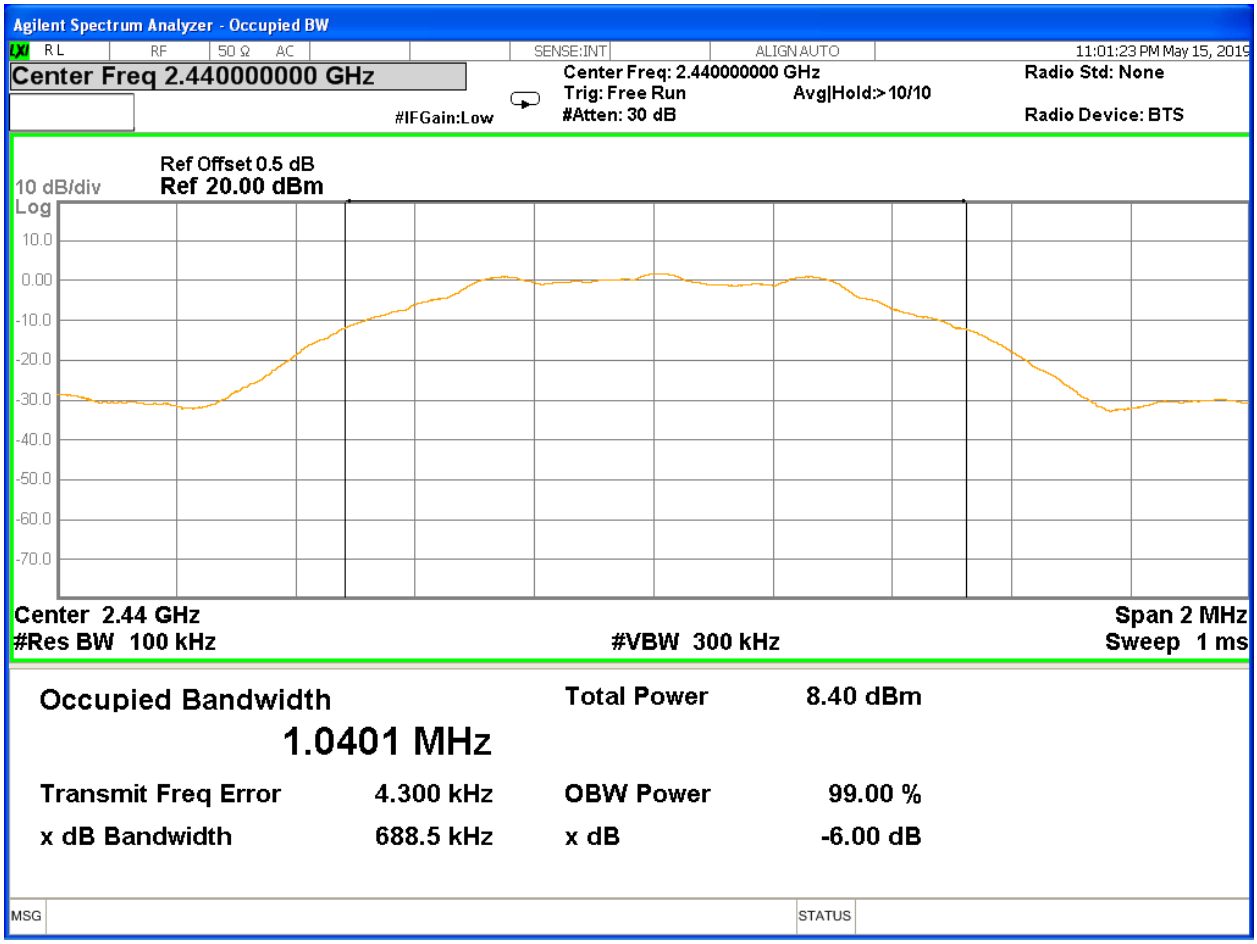
Conducted Power Spectral Density–BLE-H Channel



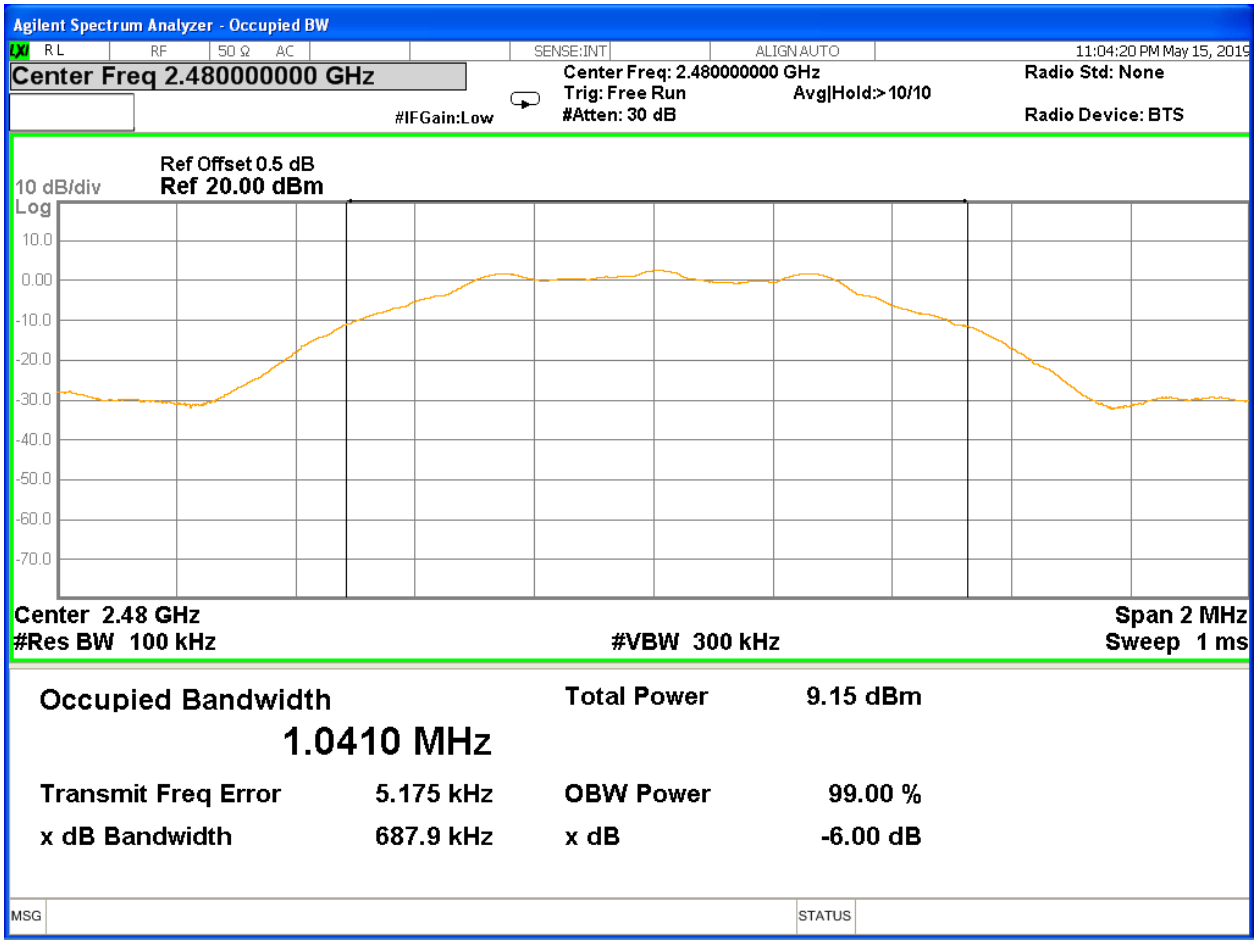
6dB/99% Bandwidth–BLE-L Channel



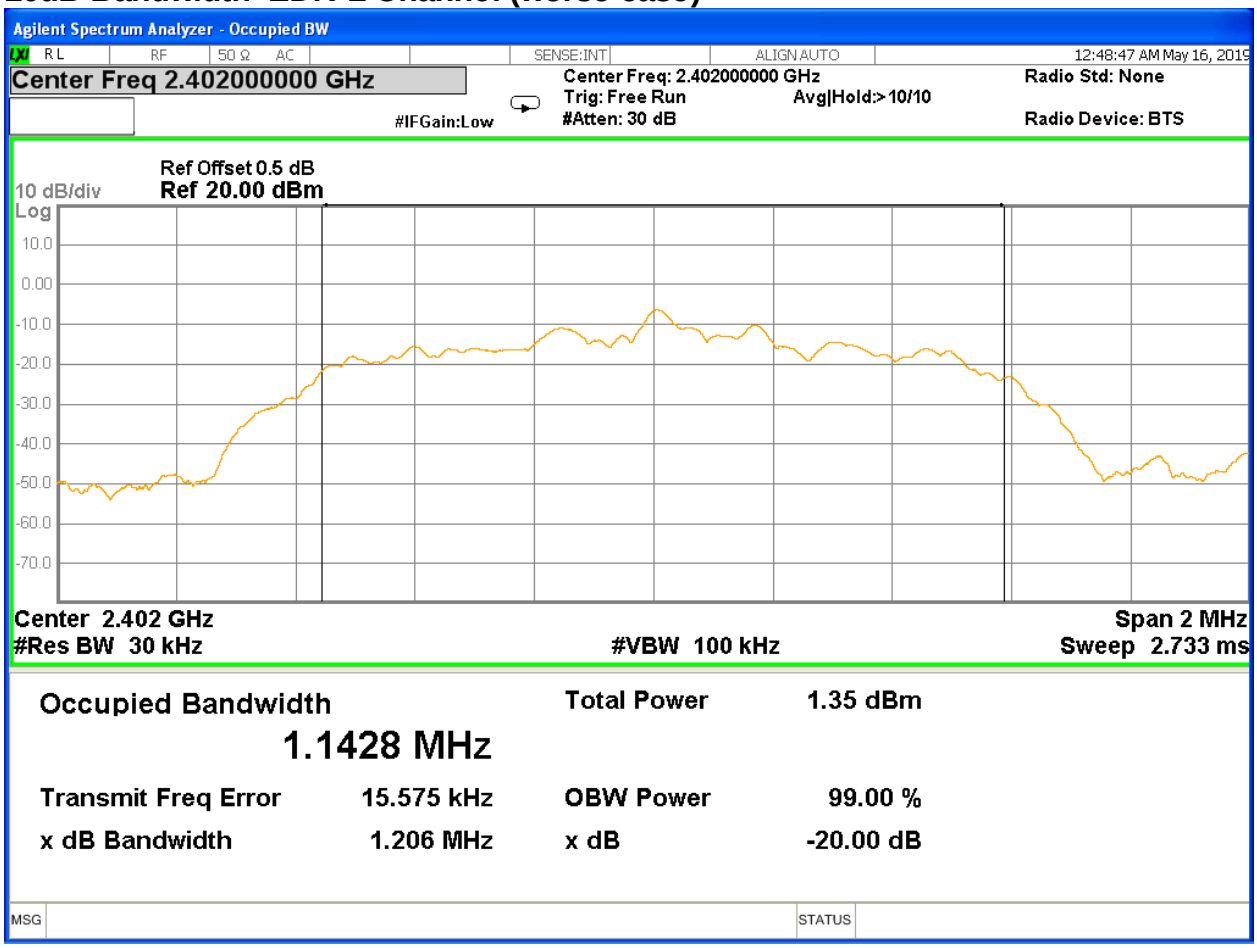
6dB Bandwidth–BLE-M Channel



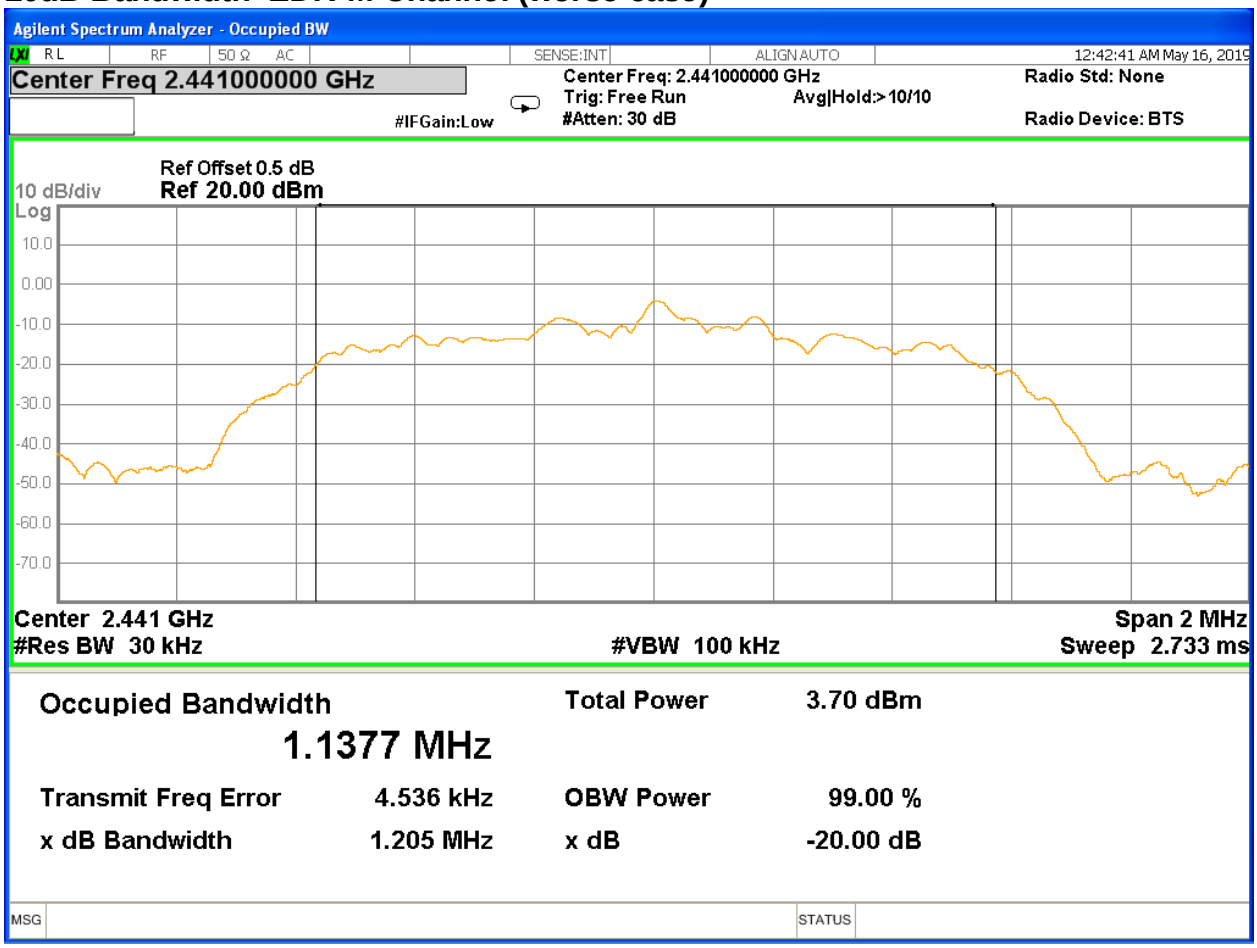
6dB Bandwidth–BLE-H Channel



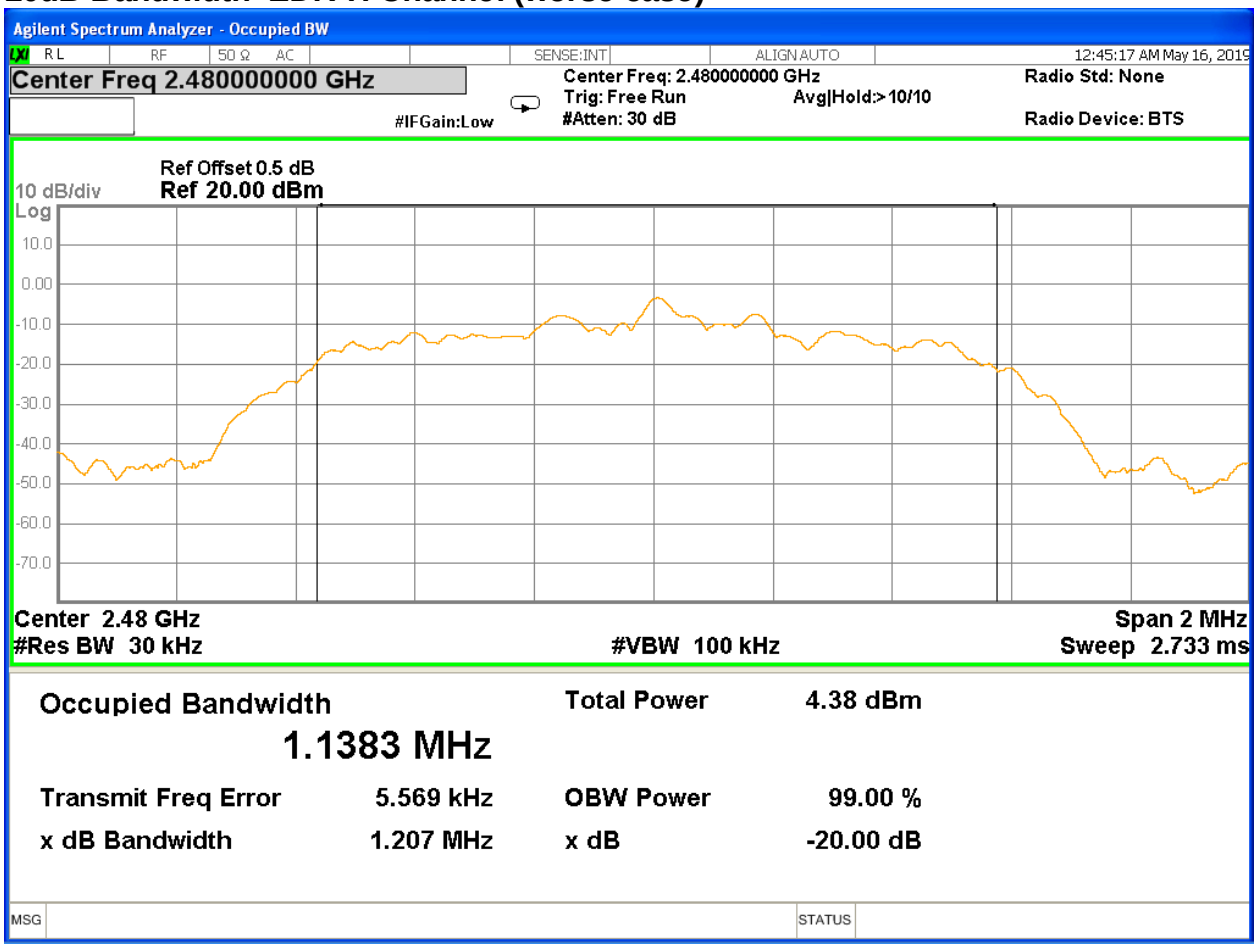
20dB Bandwidth–EDR-L Channel (worse case)



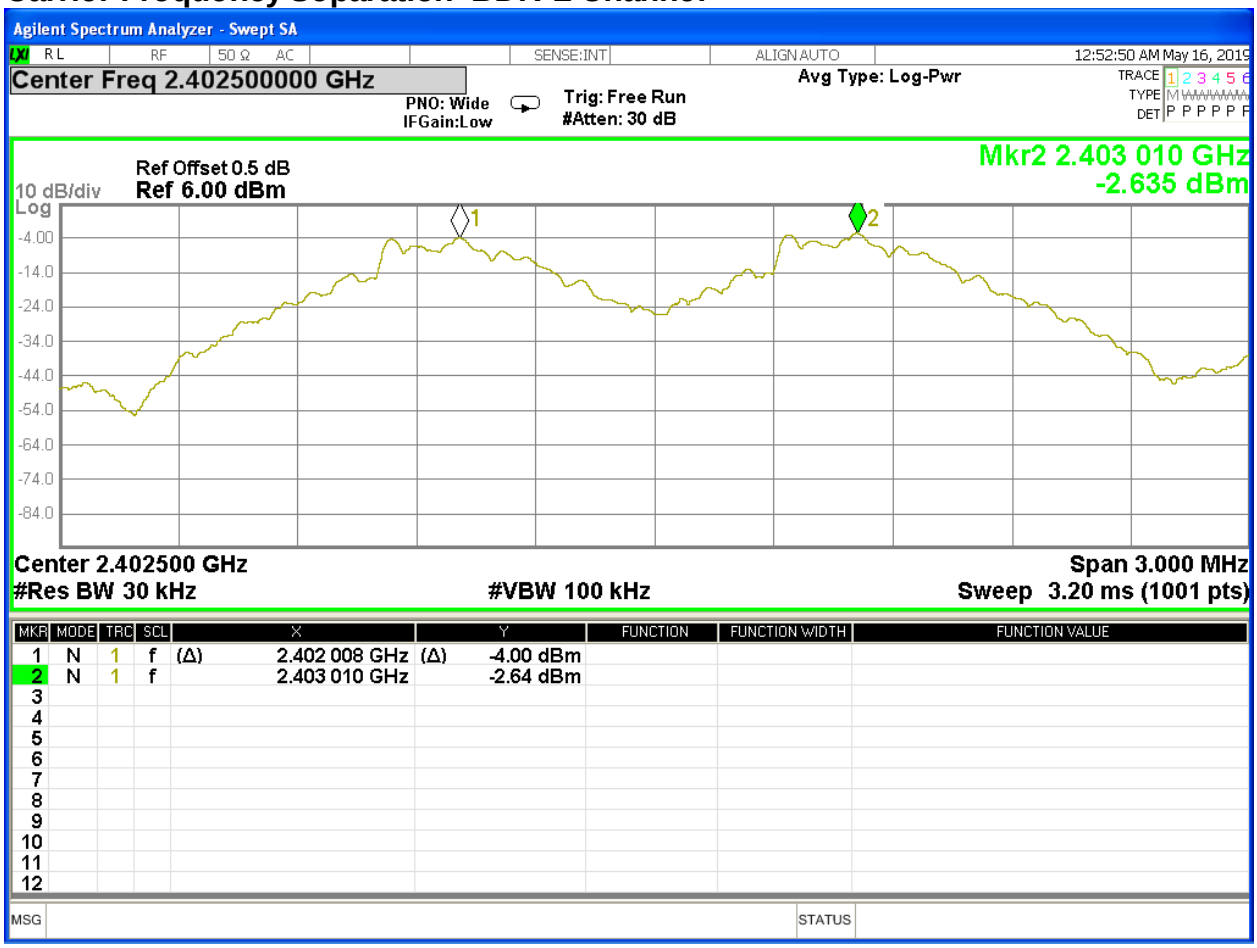
20dB Bandwidth–EDR-M Channel (worse case)



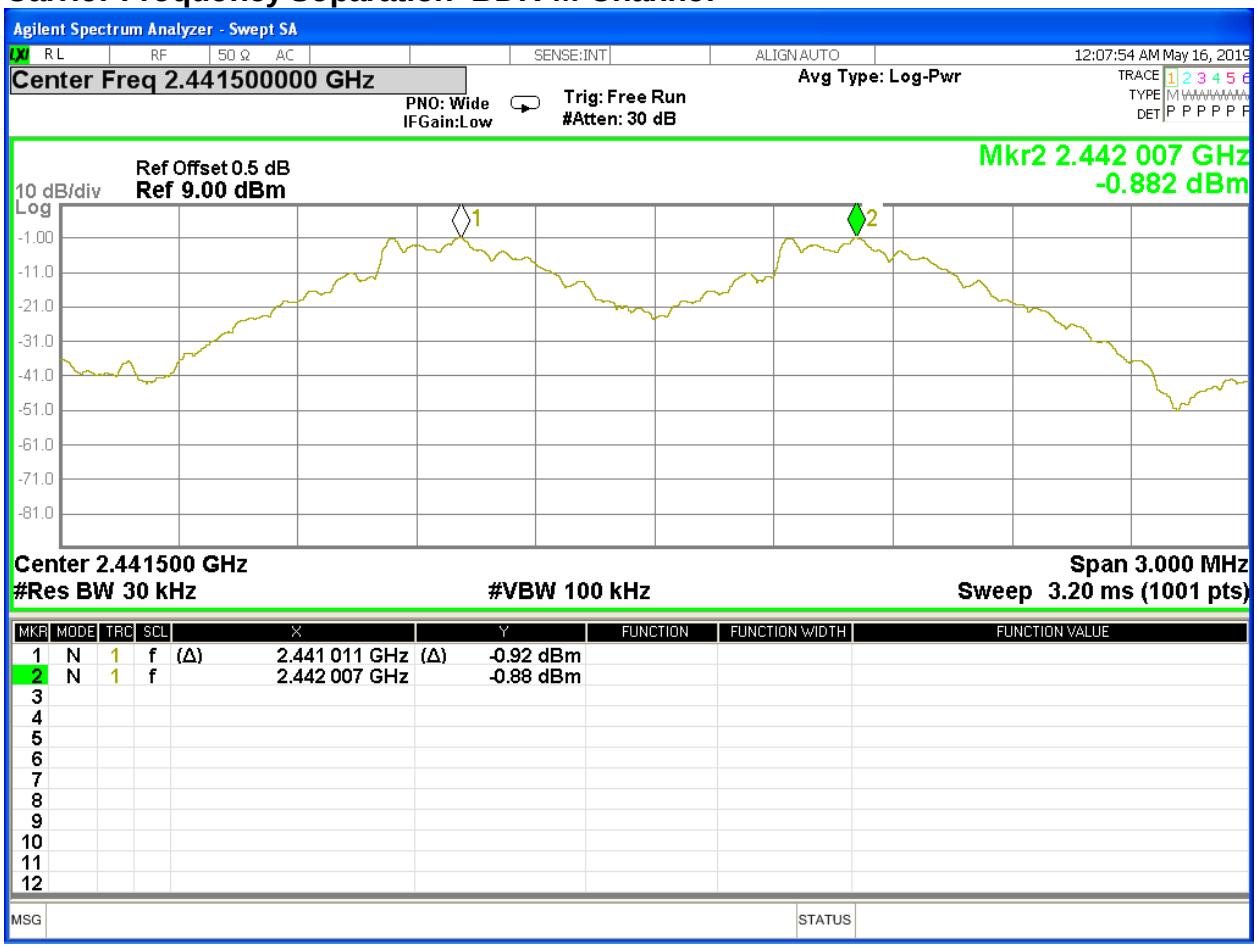
20dB Bandwidth–EDR-H Channel (worse case)



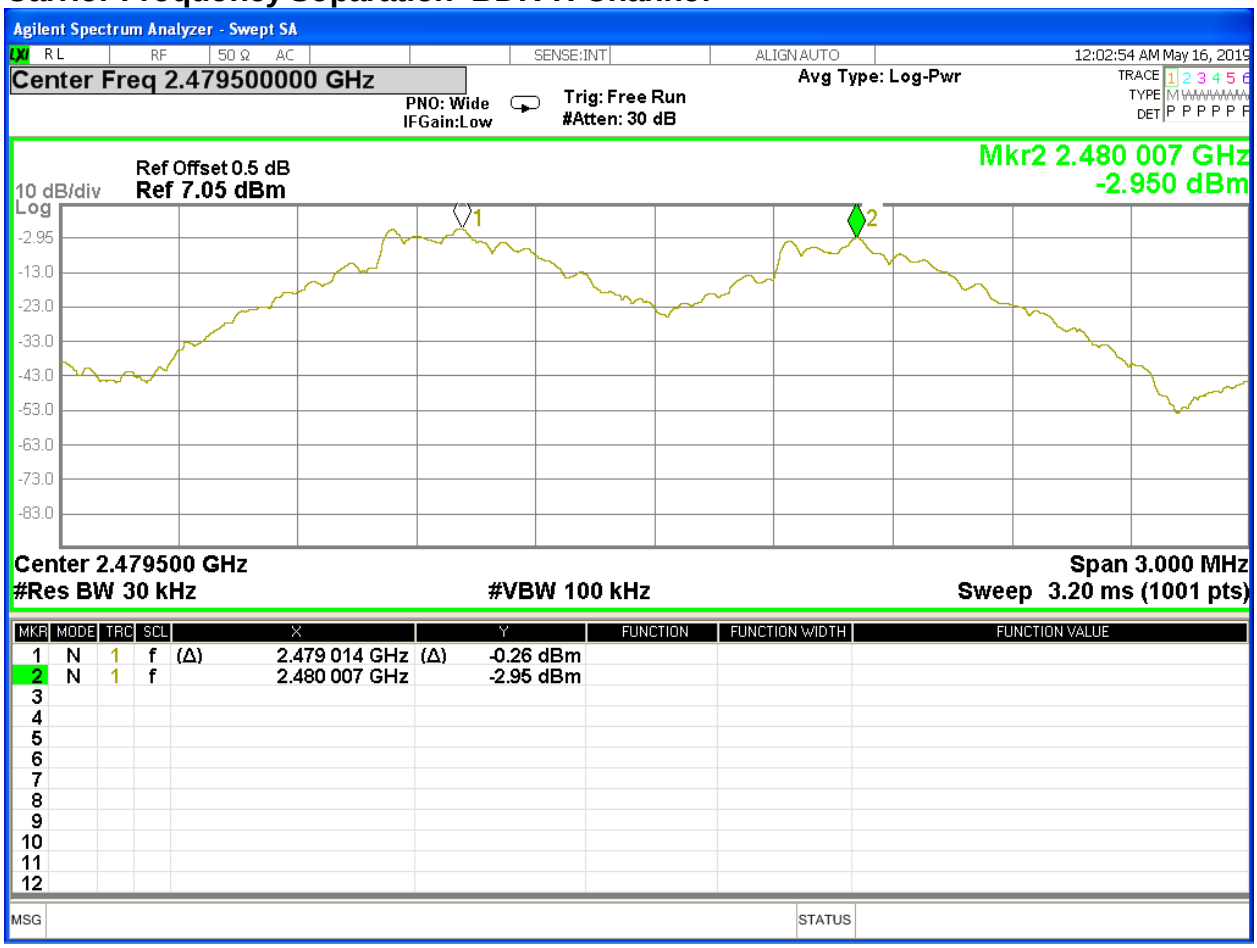
Carrier Frequency Separation–BDR-L Channel



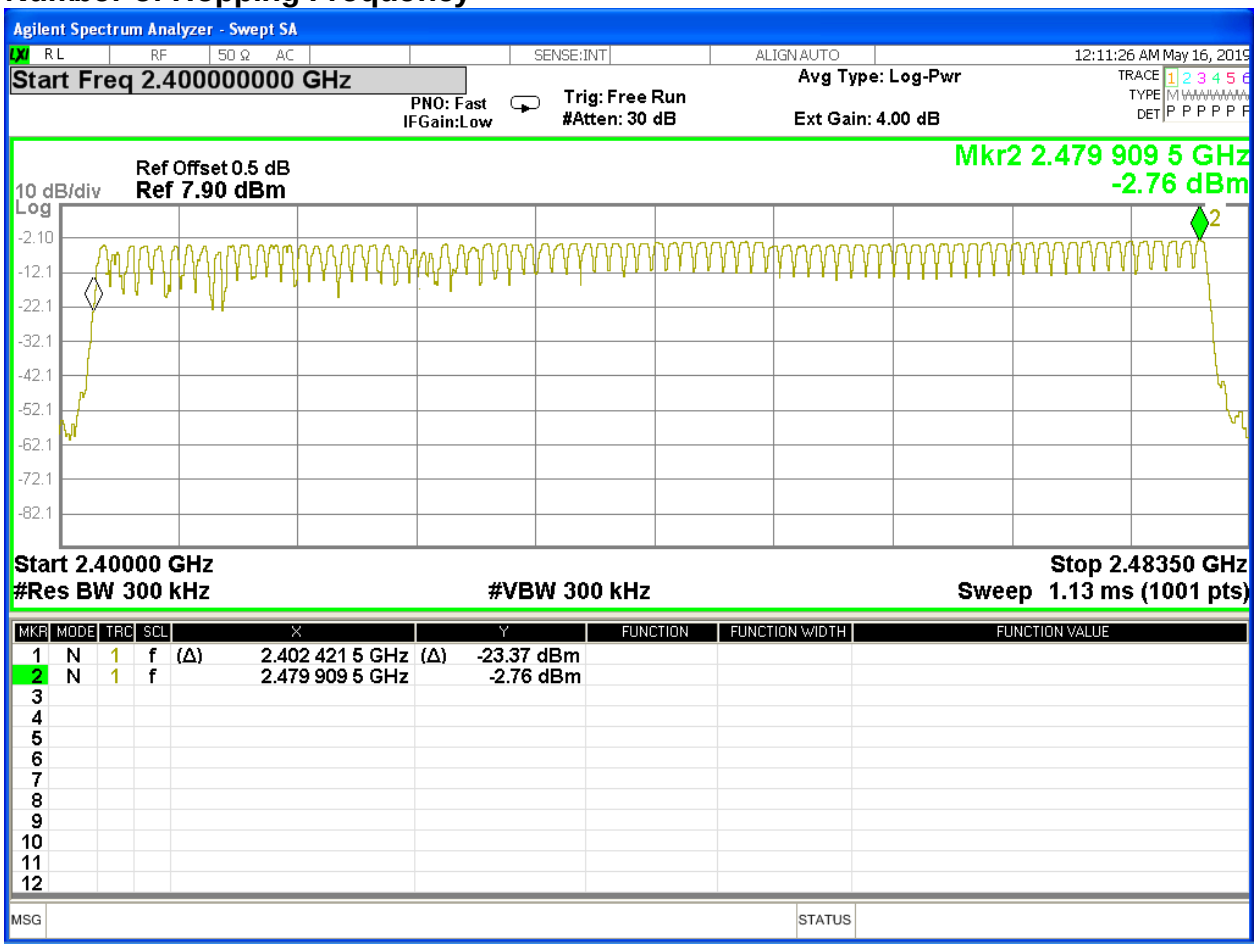
Carrier Frequency Separation–BDR-M Channel



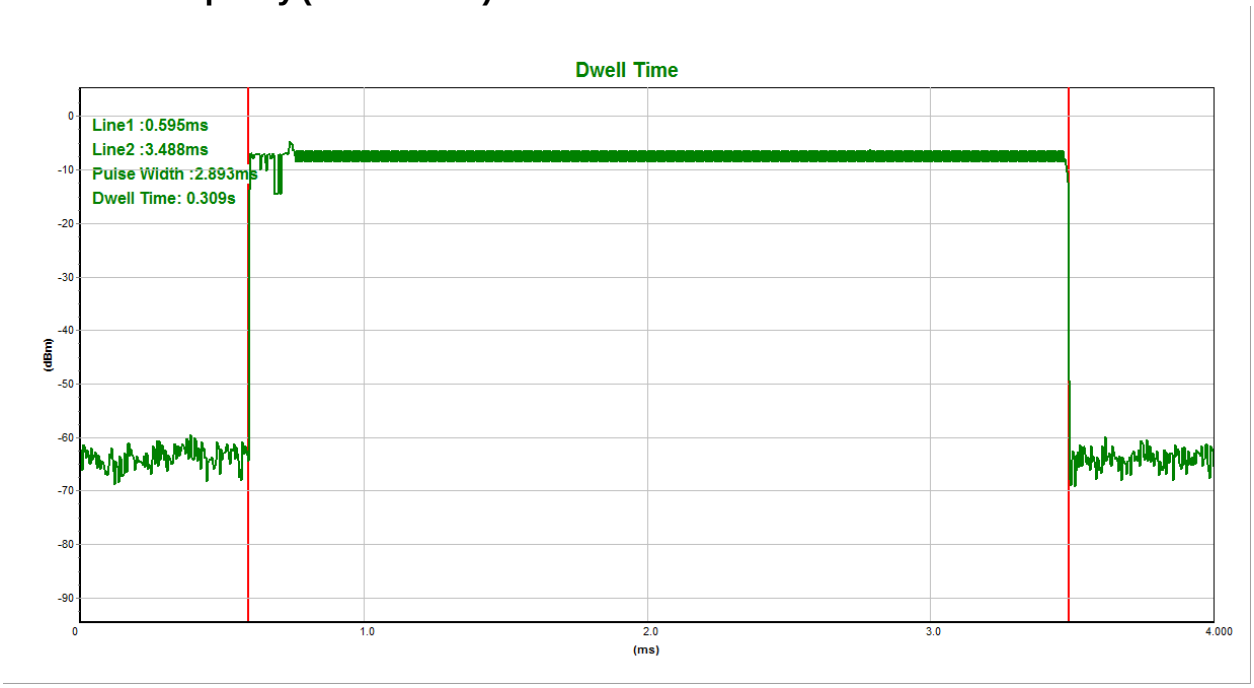
Carrier Frequency Separation–BDR-H Channel



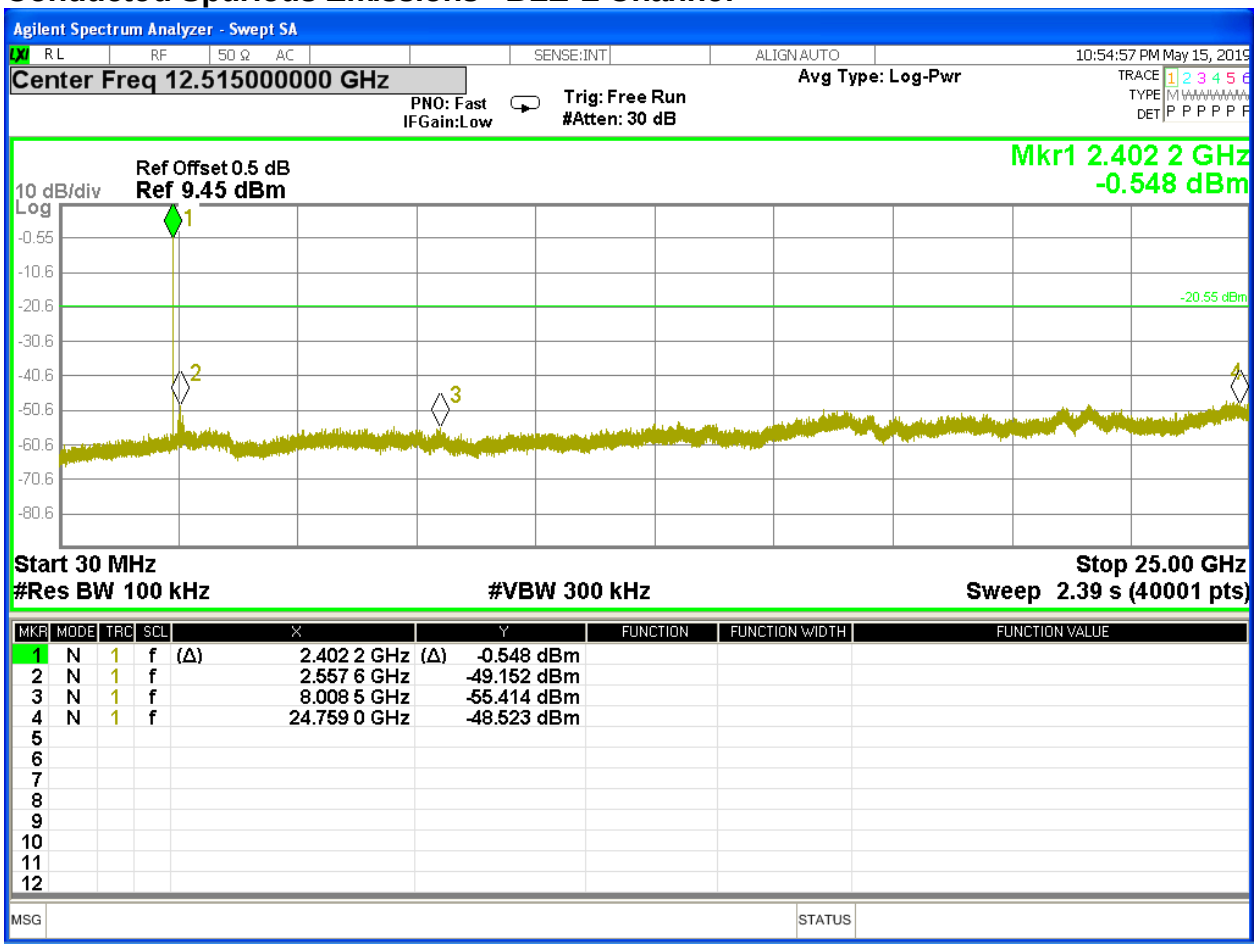
Number of Hopping Frequency



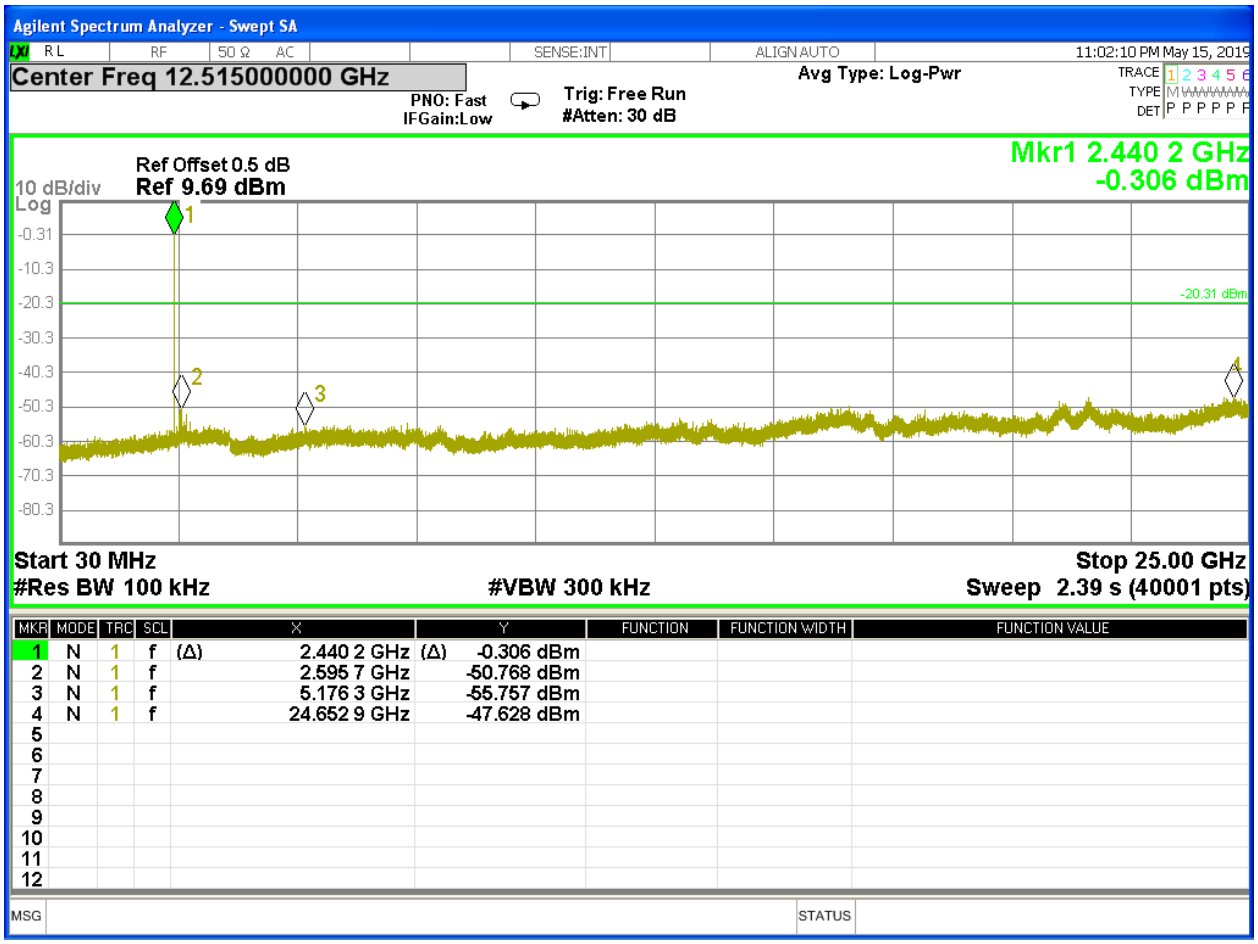
Time of Occupancy (worse case)



Conducted Spurious Emissions –BLE-L Channel

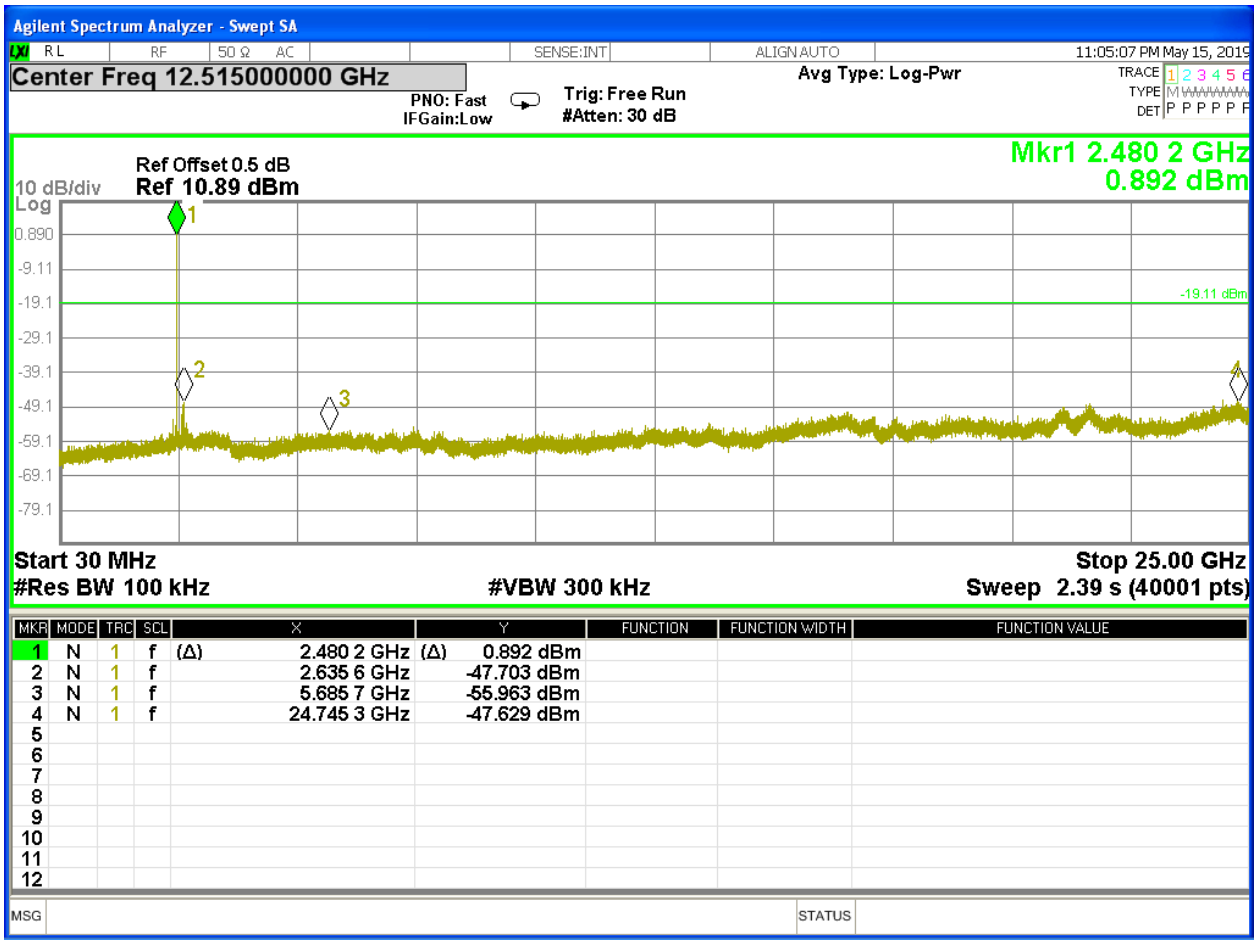


Conducted Spurious Emissions –BLE-M Channel



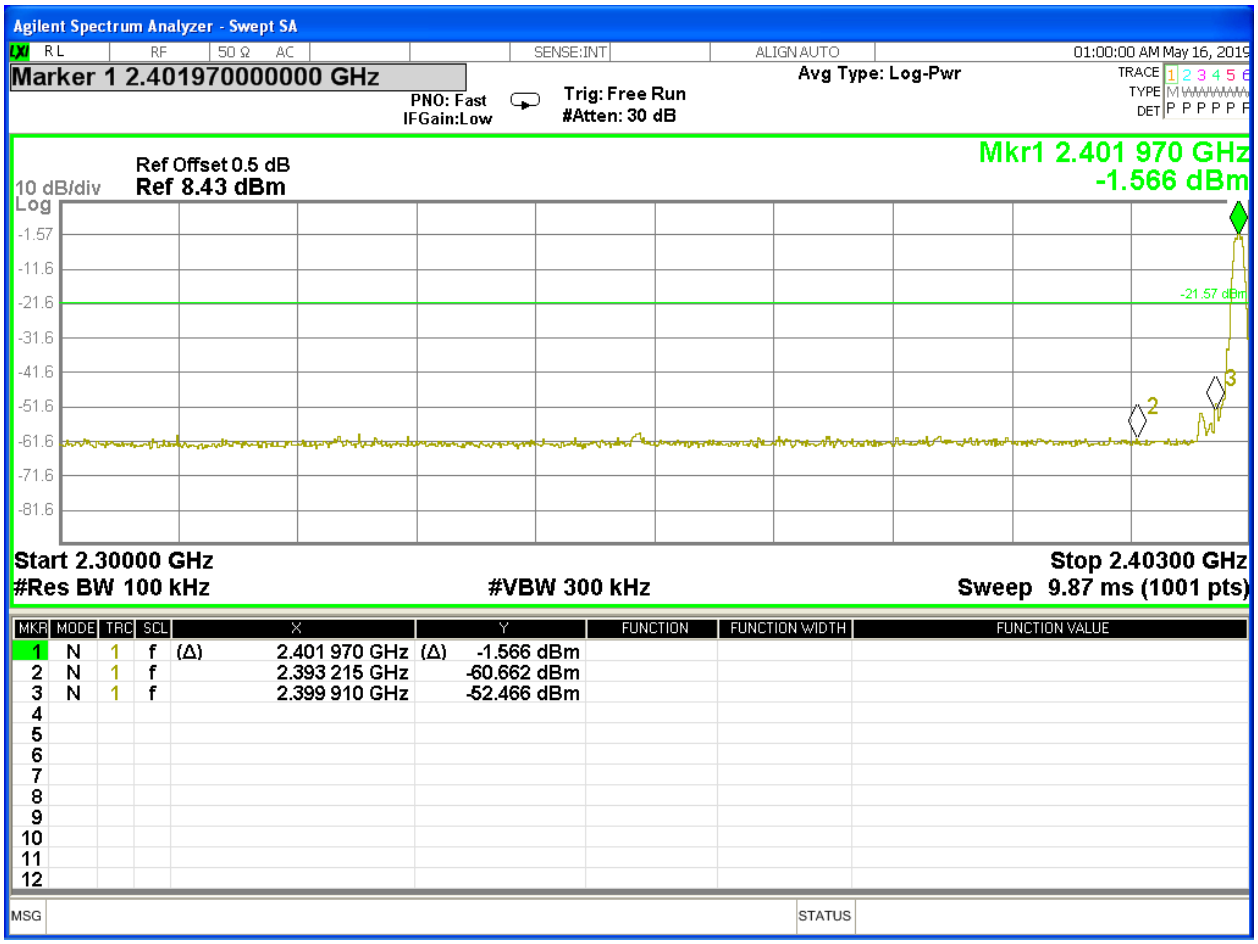
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.440 2 GHz	(Δ) -0.306 dBm			
2	N	1	f	2.595 7 GHz	-50.768 dBm			
3	N	1	f	5.176 3 GHz	-55.757 dBm			
4	N	1	f	24.652 9 GHz	-47.628 dBm			
5								
6								
7								
8								
9								
10								
11								
12								

Conducted Spurious Emissions –BLE-H Channel

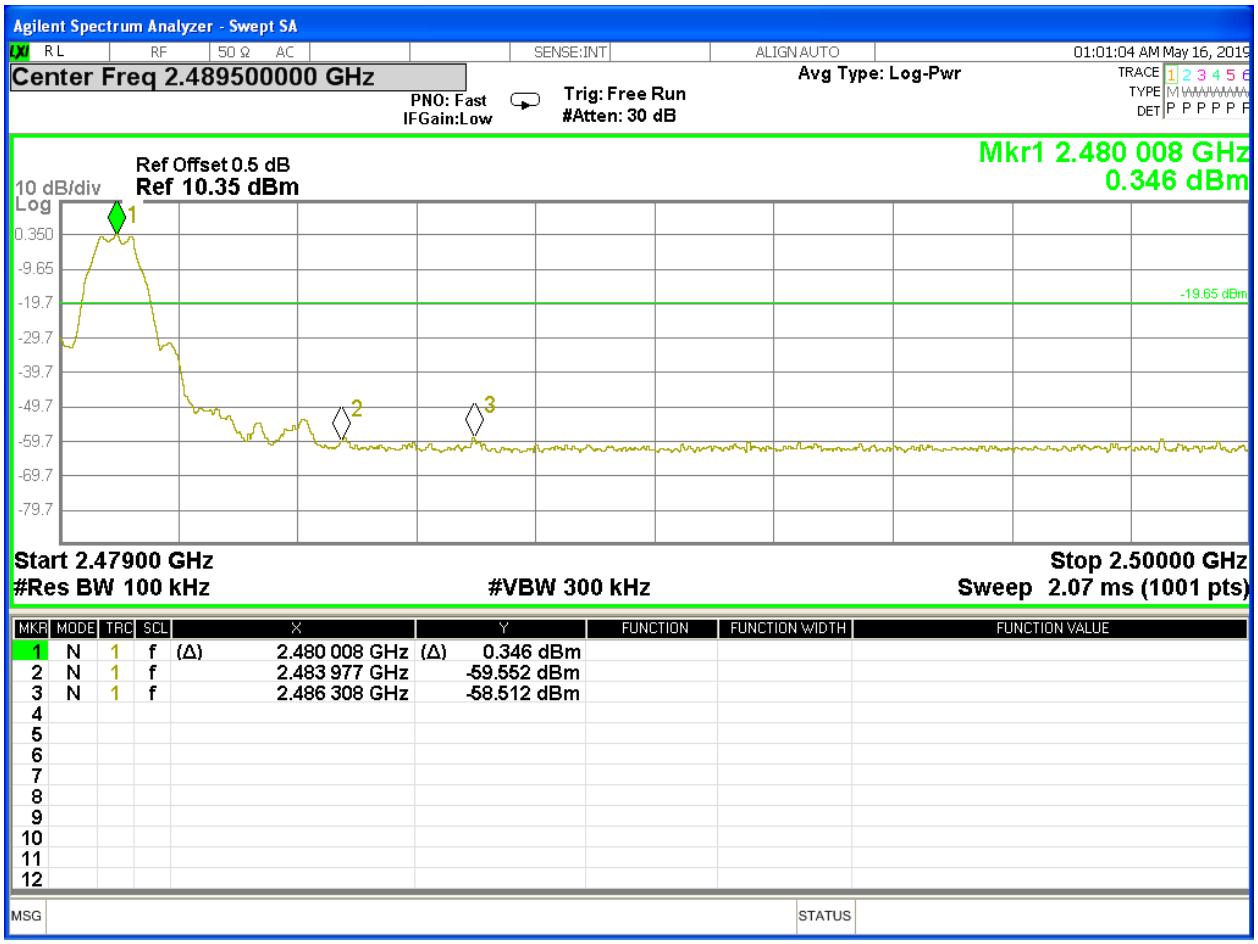


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.480 2 GHz	(Δ) 0.892 dBm			
2	N	1	f	2.635 6 GHz	-47.703 dBm			
3	N	1	f	5.685 7 GHz	-55.963 dBm			
4	N	1	f	24.745 3 GHz	-47.629 dBm			
5								
6								
7								
8								
9								
10								
11								
12								

Band Edge-BLE-L CH



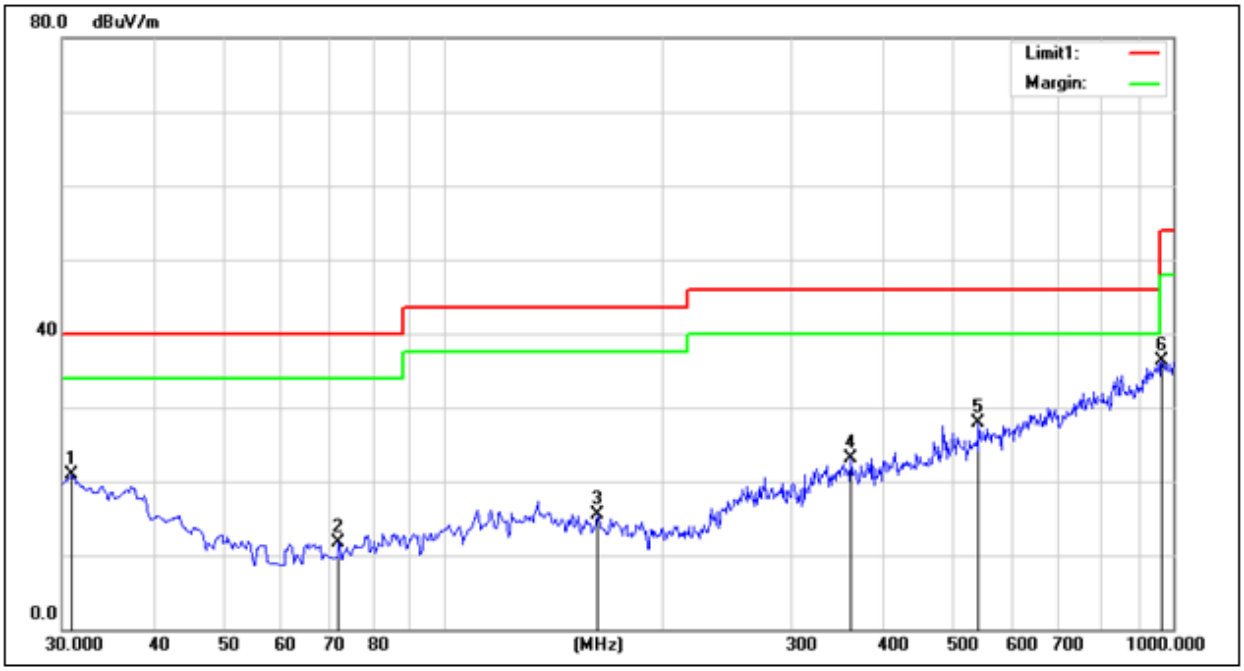
Band Edge-BLE-H CH



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.480 008 GHz	(Δ) 0.346 dBm			
2	N	1	f	2.483 977 GHz	-59.552 dBm			
3	N	1	f	2.486 308 GHz	-58.512 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

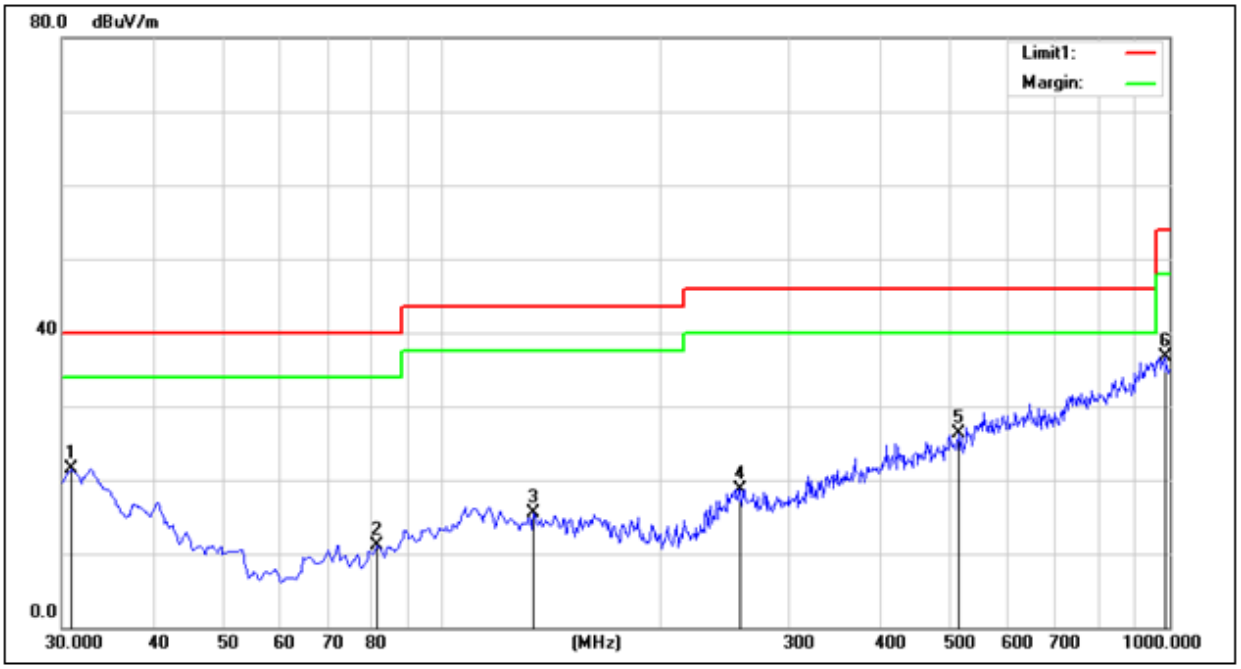
Radiateded Spurious Emissions

Job No.:	**STS1904246**	**Ant.Polar.:**	**Horizontal**
Standard:	**FCC Part 15C**	**Date:2019/5/17**	**Time:15:25:01**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**BLE_L**	**Test By:**	**Michael**
Description:			



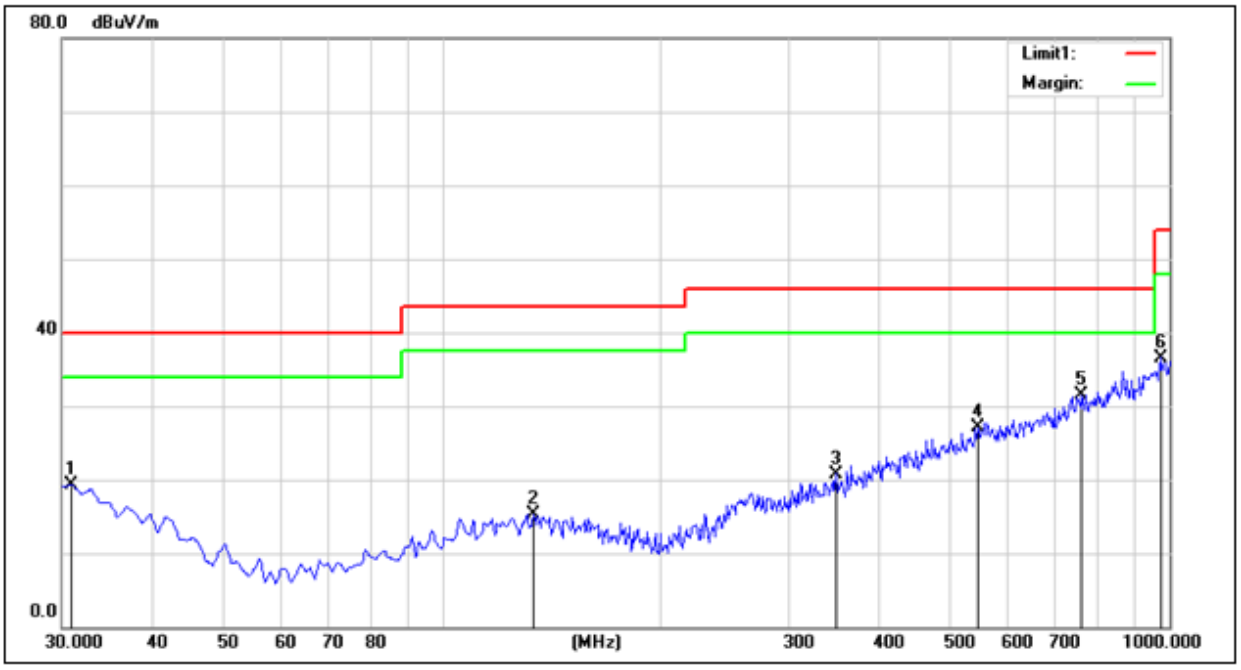
No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.9700	1.93	18.94	20.87	40.00	-19.13			QP
2	71.8320	3.90	7.76	11.66	40.00	-28.34			QP
3	162.8900	2.53	13.00	15.53	43.50	-27.97			QP
4	361.7400	3.98	19.18	23.16	46.00	-22.84			QP
5	542.1600	2.87	24.99	27.86	46.00	-18.14			QP
6	966.0500	3.26	33.09	36.35	54.00	-17.65			QP

Job No.:	STS1904246	Ant.Polar.:	Vertical
Standard:	FCC Part 15C	Date:2019/5/17	Time:15:27:14
Test item:	Radiated Emission	Temp.(C):	23.3(C)
Company:	PORTABLE COLUMN ARRAY SYSTEM	Hum.(%RH):	64%RH
Model:	VX8.1	Power:	AC 120V/60Hz
Mode:	BLE_L	Test By:	Michael
Description:			



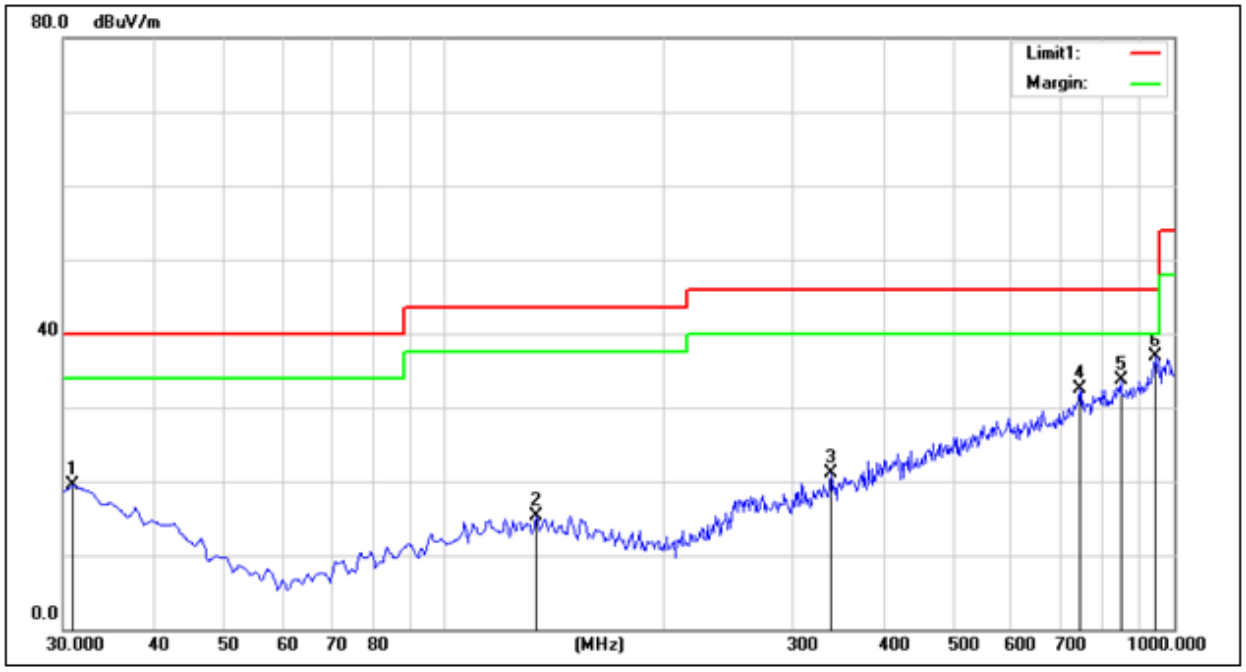
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.9700	2.52	18.94	21.46	40.00	-18.54			QP
2	81.4100	1.69	9.46	11.15	40.00	-28.85			QP
3	133.7900	1.51	14.08	15.59	43.50	-27.91			QP
4	256.9800	1.87	16.92	18.79	46.00	-27.21			QP
5	515.0000	2.65	23.70	26.35	46.00	-19.65			QP
6	989.3300	3.50	33.22	36.72	54.00	-17.28			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Horizontal**
Standard:	**FCC Part 15C**	**Date:2019/5/20**	**Time:17:09:19**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**BLE-M**	**Test By:**	**BULUN**
Description:			



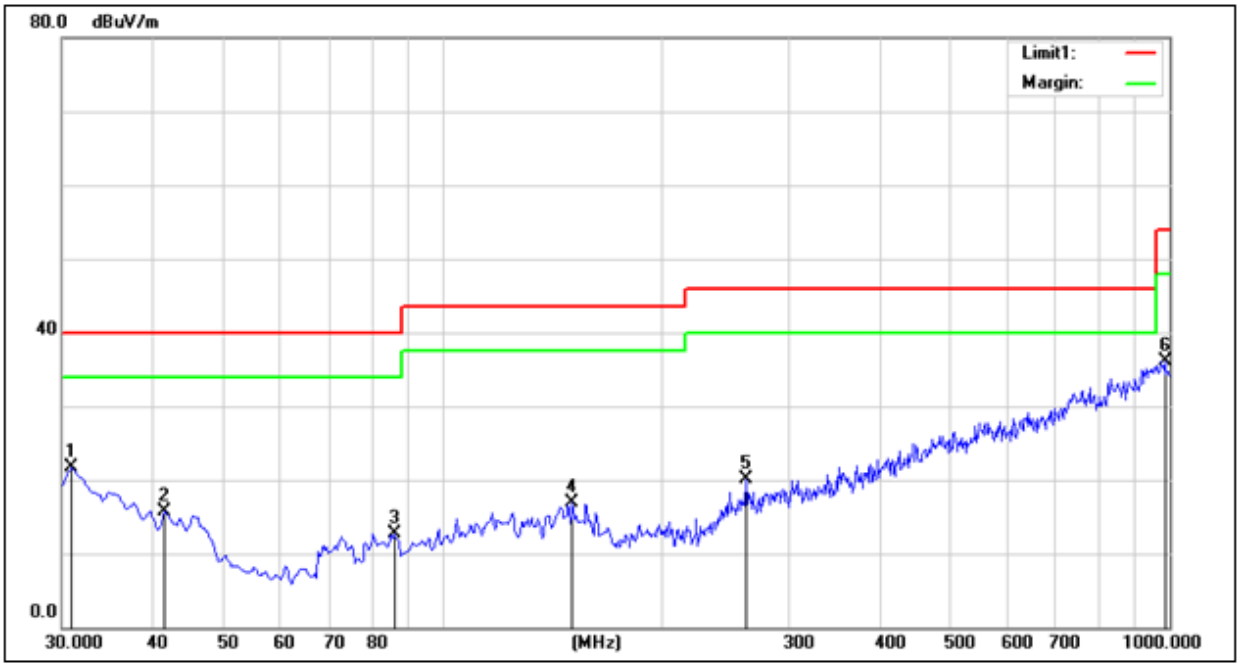
No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.9700	0.44	18.94	19.38	40.00	-20.62			QP
2	133.7900	1.30	14.08	15.38	43.50	-28.12			QP
3	348.1600	1.85	18.95	20.80	46.00	-25.20			QP
4	546.0400	1.71	25.39	27.10	46.00	-18.90			QP
5	758.4700	2.37	29.12	31.49	46.00	-14.51			QP
6	976.7200	3.04	33.56	36.60	54.00	-17.40			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Vertical**
Standard:	**FCC Part 15C**	**Date:2019/5/20**	**Time:17:05:18**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**BLE-M**	**Test By:**	**BULUN**
Description:			



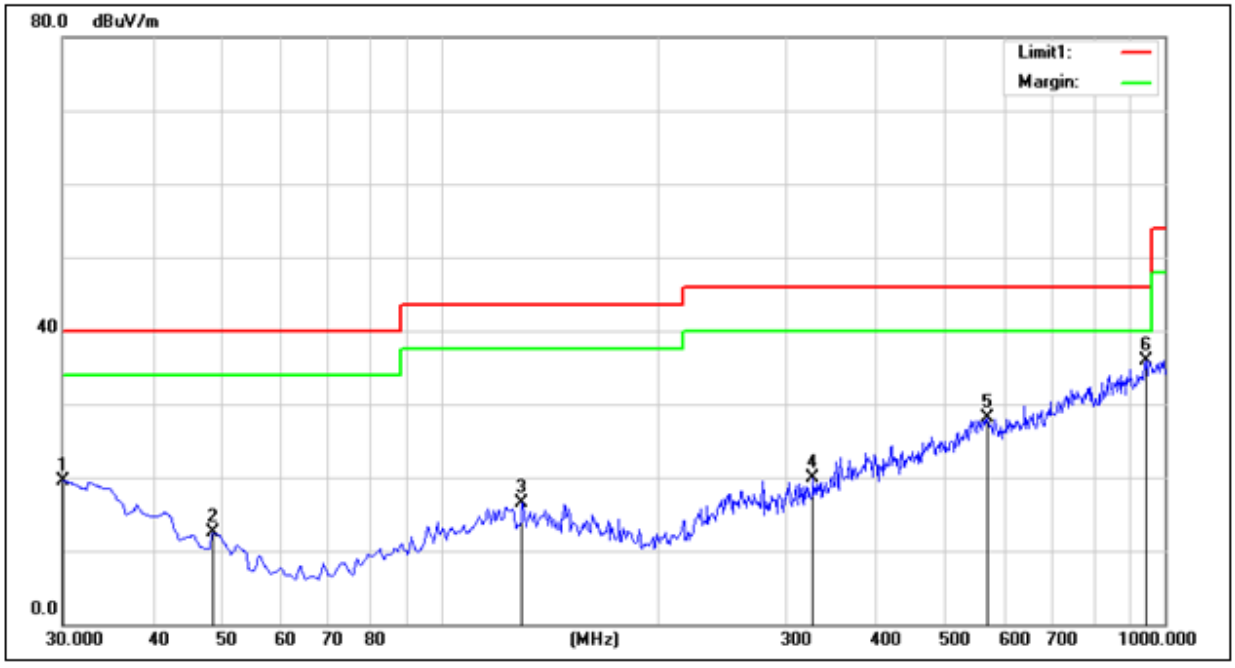
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.9700	0.57	18.94	19.51	40.00	-20.49			QP
2	133.7900	1.17	14.08	15.25	43.50	-28.25			QP
3	338.4600	2.40	18.67	21.07	46.00	-24.93			QP
4	742.9500	3.20	29.21	32.41	46.00	-13.59			QP
5	847.7100	3.01	30.60	33.61	46.00	-12.39			QP
6	944.7100	4.17	32.69	36.86	46.00	-9.14			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Horizontal**
Standard:	**FCC Part 15C**	**Date:2019/5/17**	**Time:15:32:21**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**BLE_H**	**Test By:**	**Michael**
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.9700	2.86	18.94	21.80	40.00	-18.20			QP
2	41.6400	2.29	13.46	15.75	40.00	-24.25			QP
3	85.8983	2.55	10.25	12.80	40.00	-27.20			QP
4	151.2500	3.23	13.61	16.84	43.50	-26.66			QP
5	262.8000	2.78	17.29	20.07	46.00	-25.93			QP
6	988.3600	2.92	33.28	36.20	54.00	-17.80			QP

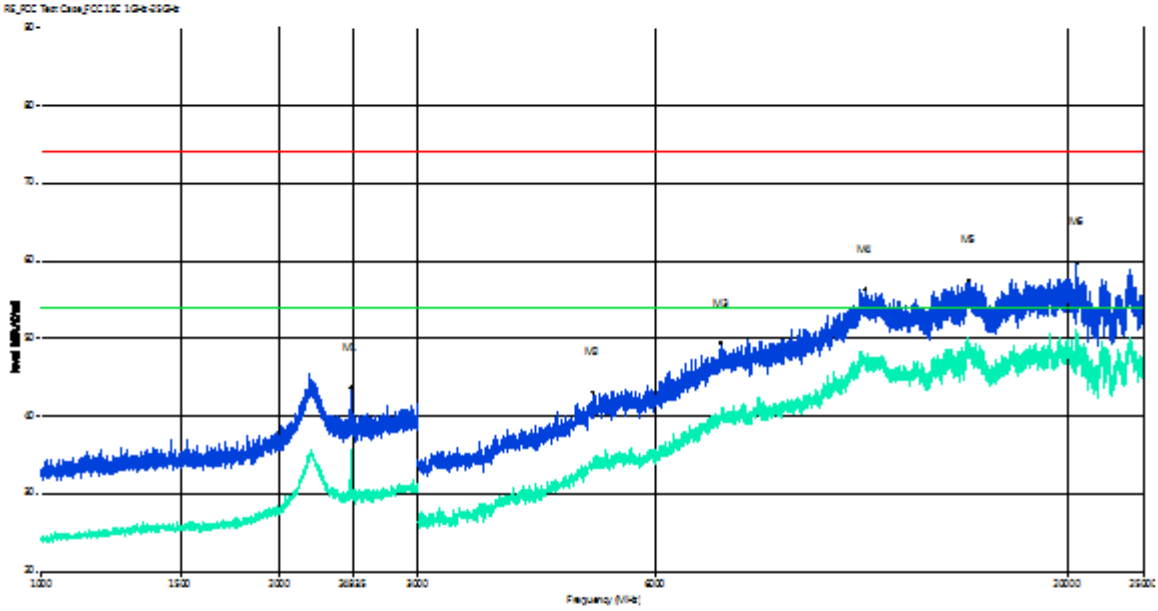
Job No.:	**STS1904246**	**Ant.Polar.:**	**Vertical**
Standard:	**FCC Part 15C**	**Date:2019/5/17**	**Time:15:30:16**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**BLE_H**	**Test By:**	**Michael**
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.0000	0.16	19.42	19.58	40.00	-20.42			QP
2	48.4300	2.53	9.92	12.45	40.00	-27.55			QP
3	129.9100	2.48	13.96	16.44	43.50	-27.06			QP
4	326.8200	1.60	18.22	19.82	46.00	-26.18			QP
5	569.3200	2.22	25.89	28.11	46.00	-17.89			QP
6	944.7100	3.28	32.69	35.97	46.00	-10.03			QP

Test Time: 2019-05-17_14.07.10

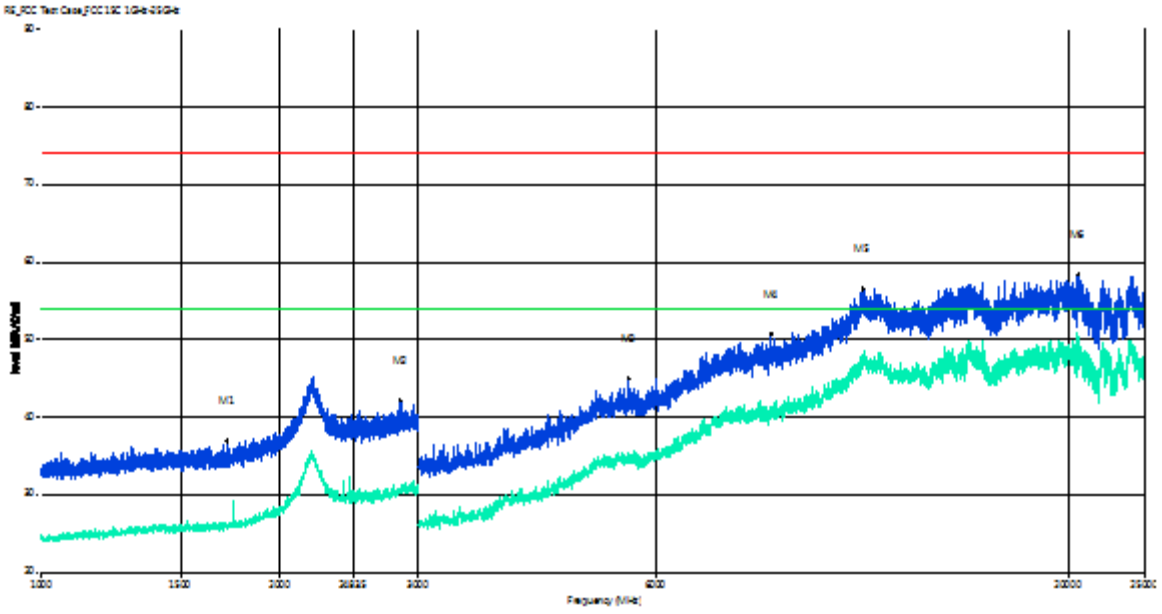
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	BLE_L	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	
		Manufacturer:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2466.000	30.04	-12.51	54.0	-23.96	AV	V	Pass
1	2466.000	43.66	-12.51	74.0	-30.34	Peak	V	Pass
2**	5000.000	34.66	-2.53	54.0	-19.34	AV	V	Pass
2	5000.000	43.15	-2.53	74.0	-30.85	Peak	V	Pass
3**	7275.000	39.81	4.28	54.0	-14.19	AV	V	Pass
3	7275.000	49.50	4.28	74.0	-24.50	Peak	V	Pass
4**	11072.500	46.83	10.66	54.0	-7.17	AV	V	Pass
4	11072.500	56.38	10.66	74.0	-17.62	Peak	V	Pass
5**	14992.500	48.82	12.37	54.0	-5.18	AV	V	Pass
5	14992.500	57.62	12.37	74.0	-16.38	Peak	V	Pass
6**	20551.500	49.47	14.10	54.0	-4.53	AV	V	Pass
6	20551.500	59.89	14.10	74.0	-14.11	Peak	V	Pass

Test Time: 2019-05-17_13.58.33

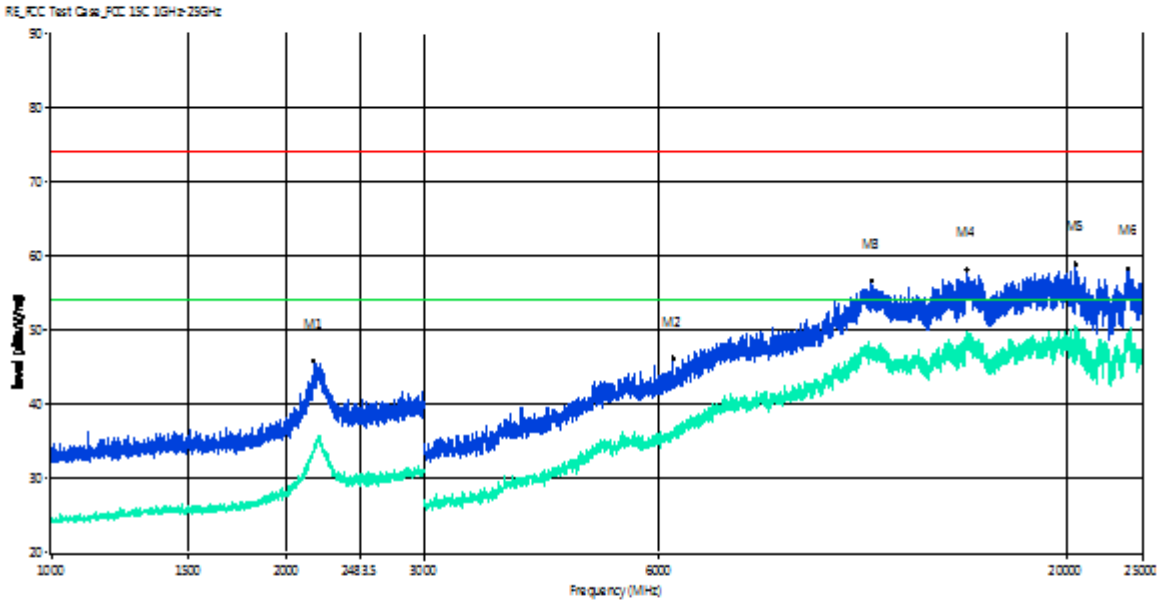
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	BLE_L	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	
		Manufacturer:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	1716.000	26.17	-16.90	54.0	-27.83	AV	H	Pass
1	1716.000	36.96	-16.90	74.0	-37.04	Peak	H	Pass
2**	2850.000	30.87	-11.53	54.0	-23.13	AV	H	Pass
2	2850.000	42.20	-11.53	74.0	-31.80	Peak	H	Pass
3**	5542.500	34.62	-1.37	54.0	-19.38	AV	H	Pass
3	5542.500	44.99	-1.37	74.0	-29.01	Peak	H	Pass
4**	8397.500	40.63	4.65	54.0	-13.37	AV	H	Pass
4	8397.500	50.78	4.65	74.0	-23.22	Peak	H	Pass
5**	10977.500	46.36	10.88	54.0	-7.64	AV	H	Pass
5	10977.500	56.63	10.88	74.0	-17.37	Peak	H	Pass
6**	20556.751	49.41	14.11	54.0	-4.59	AV	H	Pass
6	20556.751	58.45	14.11	74.0	-15.55	Peak	H	Pass

Test Time: 2019-05-20_14.28.07

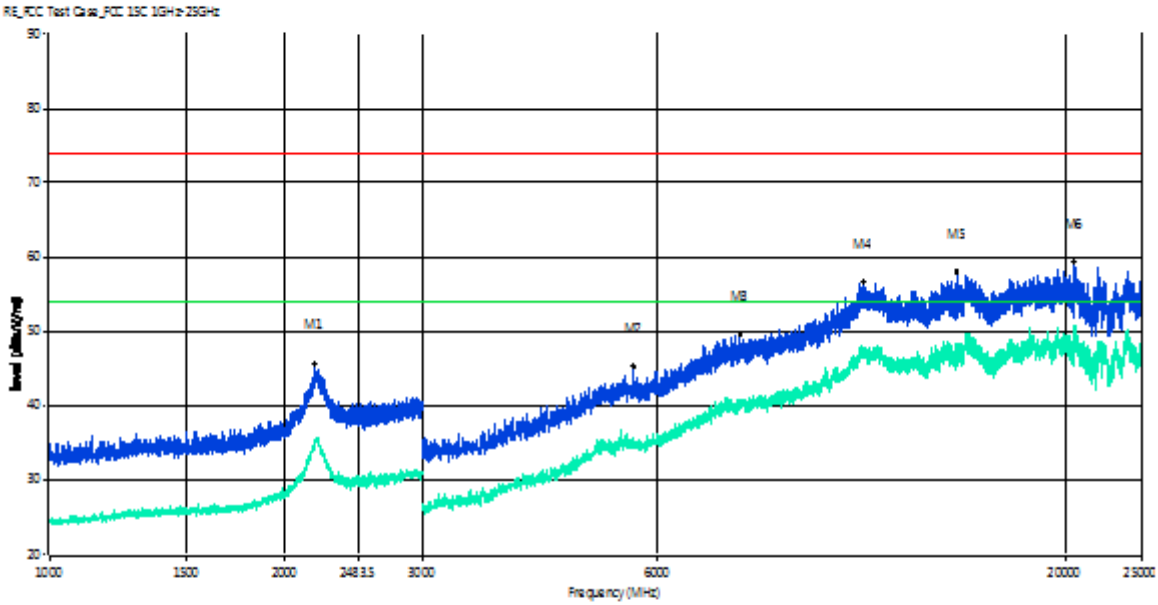
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	BLE_M	Test Standard:	FCC 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2169.500	33.73	-8.82	54.0	-20.27	AV	V	Pass
1	2169.500	45.77	-8.82	74.0	-28.23	Peak	V	Pass
2**	6247.500	35.61	0.11	54.0	-18.39	AV	V	Pass
2	6247.500	46.12	0.11	74.0	-27.88	Peak	V	Pass
3**	11242.500	46.93	10.39	54.0	-7.07	AV	V	Pass
3	11242.500	56.68	10.39	74.0	-17.32	Peak	V	Pass
4**	14873.750	48.38	12.28	54.0	-5.62	AV	V	Pass
4	14873.750	58.17	12.28	74.0	-15.83	Peak	V	Pass
5**	20560.251	49.88	14.11	54.0	-4.12	AV	V	Pass
5	20560.251	58.95	14.11	74.0	-15.05	Peak	V	Pass
6**	23983.249	48.55	15.08	54.0	-5.45	AV	V	Pass
6	23983.249	58.36	15.08	74.0	-15.64	Peak	V	Pass

Test Time: 2019-05-20_14.25.24

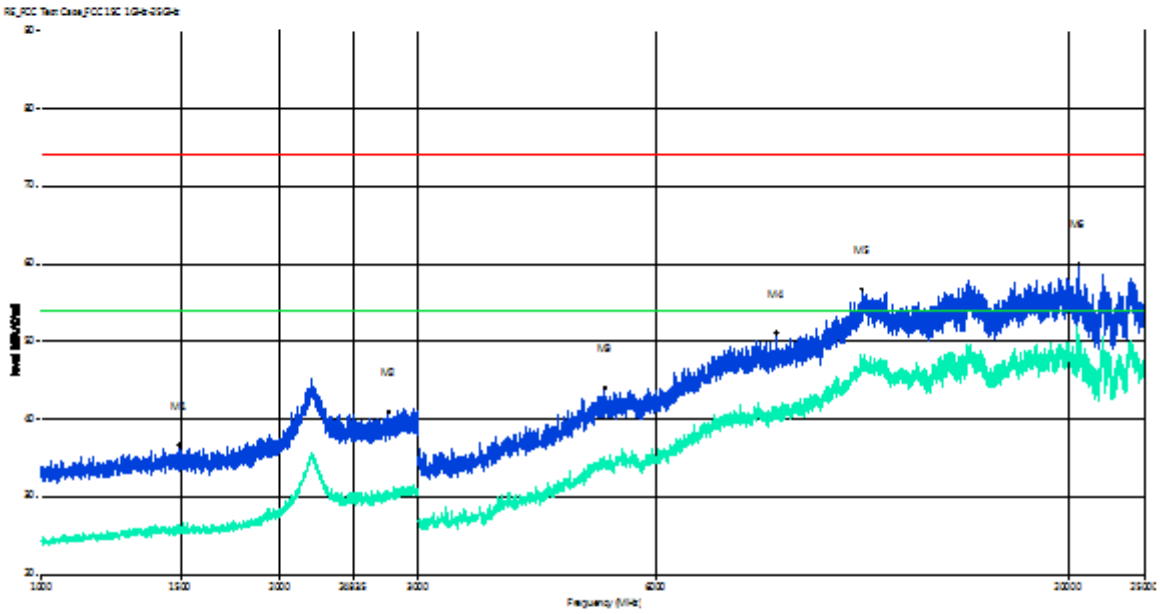
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	BLE_M	Test Standard:	FCC 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	2183.500	34.63	-8.08	54.0	-19.37	AV	H	Pass
1	2183.500	45.72	-8.08	74.0	-28.28	Peak	H	Pass
2**	5595.000	35.13	-1.13	54.0	-18.87	AV	H	Pass
2	5595.000	45.27	-1.13	74.0	-28.73	Peak	H	Pass
3**	7647.500	40.43	4.87	54.0	-13.57	AV	H	Pass
3	7647.500	49.64	4.87	74.0	-24.36	Peak	H	Pass
4**	11005.000	47.70	10.95	54.0	-6.30	AV	H	Pass
4	11005.000	56.61	10.95	74.0	-17.39	Peak	H	Pass
5**	14525.000	47.46	11.49	54.0	-6.54	AV	H	Pass
5	14525.000	57.96	11.49	74.0	-16.04	Peak	H	Pass
6**	20544.500	49.86	14.09	54.0	-4.14	AV	H	Pass
6	20544.500	59.37	14.09	74.0	-14.63	Peak	H	Pass

Test Time: 2019-05-17_14.10.49

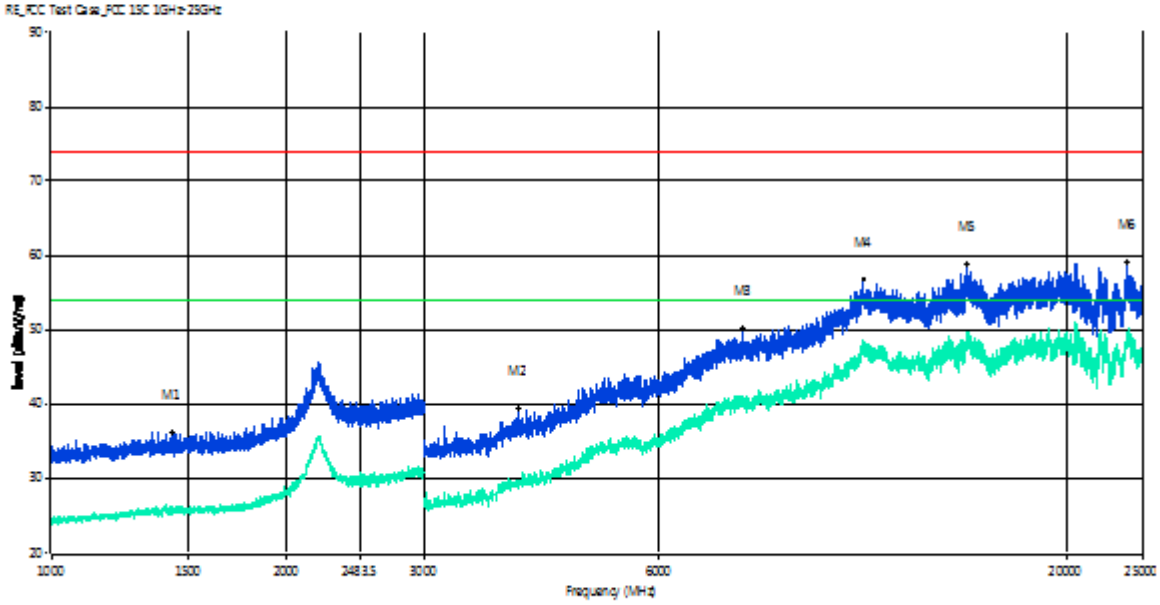
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	BLE_H	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	
		Manufacturer:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	1493.500	25.90	-17.22	54.0	-28.10	AV	V	Pass
1	1493.500	36.67	-17.22	74.0	-37.33	Peak	V	Pass
2**	2749.500	30.50	-11.87	54.0	-23.50	AV	V	Pass
2	2749.500	40.99	-11.87	74.0	-33.01	Peak	V	Pass
3**	5170.000	35.35	-1.83	54.0	-18.65	AV	V	Pass
3	5170.000	44.06	-1.83	74.0	-29.94	Peak	V	Pass
4**	8537.500	41.23	5.05	54.0	-12.77	AV	V	Pass
4	8537.500	51.08	5.05	74.0	-22.92	Peak	V	Pass
5**	10940.000	47.66	10.72	54.0	-6.34	AV	V	Pass
5	10940.000	56.71	10.72	74.0	-17.29	Peak	V	Pass
6**	20565.500	49.77	14.12	54.0	-4.23	AV	V	Pass
6	20565.500	59.98	14.12	74.0	-14.02	Peak	V	Pass

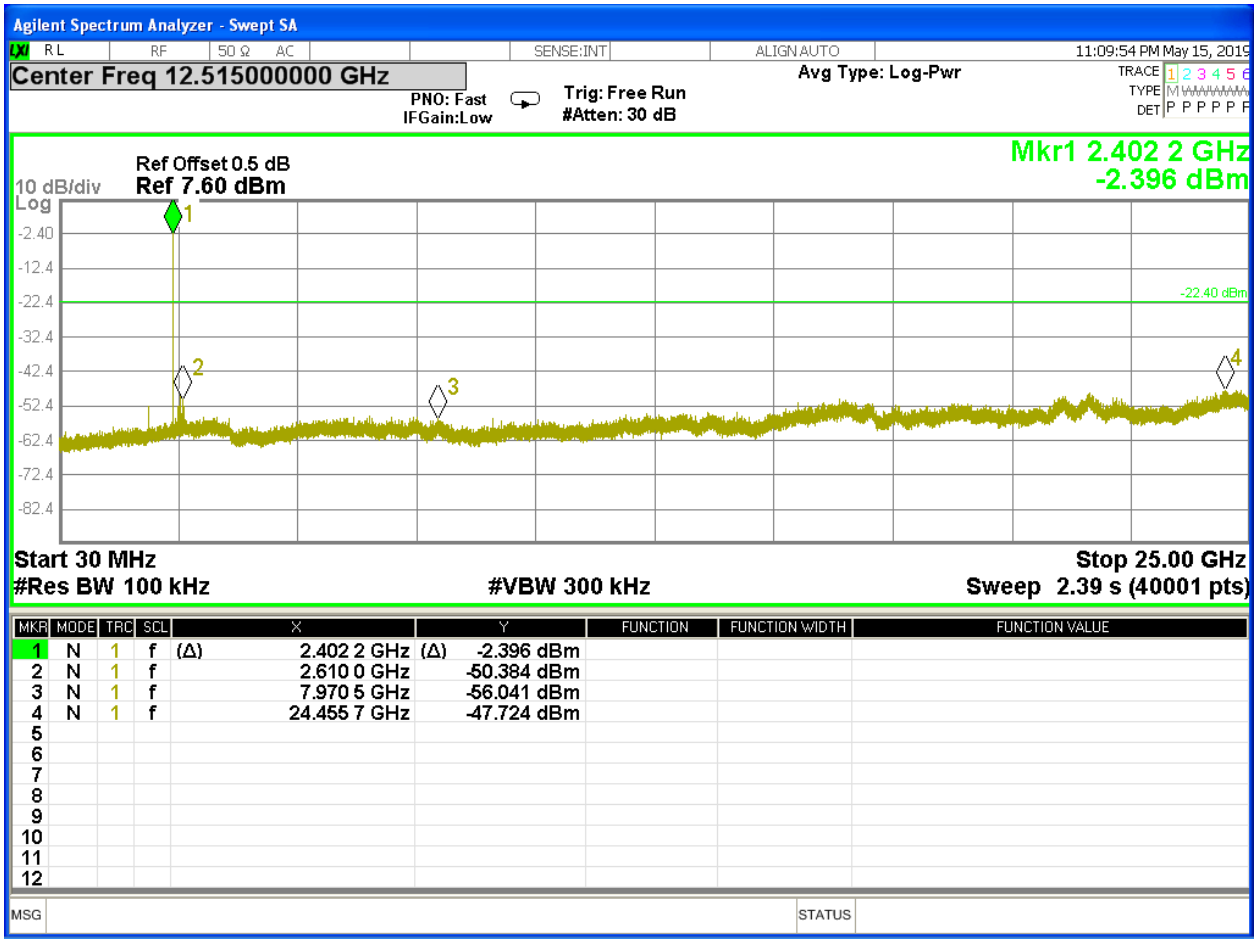
Test Time: 2019-05-17_14.35.52

EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	BLE_H	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	
		Manufacturer:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	ANT	Verdict
1**	1427.000	25.98	-17.25	54.0	-28.02	AV	H	Pass
1	1427.000	36.20	-17.25	74.0	-37.80	Peak	H	Pass
2**	3960.000	29.37	-7.81	54.0	-24.63	AV	H	Pass
2	3960.000	39.36	-7.81	74.0	-34.64	Peak	H	Pass
3**	7700.000	40.50	5.05	54.0	-13.50	AV	H	Pass
3	7700.000	50.25	5.05	74.0	-23.75	Peak	H	Pass
4**	10980.000	48.67	10.89	54.0	-5.33	AV	H	Pass
4	10980.000	56.76	10.89	74.0	-17.24	Peak	H	Pass
5**	14919.999	48.61	12.57	54.0	-5.39	AV	H	Pass
5	14919.999	58.79	12.57	74.0	-15.21	Peak	H	Pass
6**	23927.251	49.21	15.08	54.0	-4.79	AV	H	Pass
6	23927.251	58.99	15.08	74.0	-15.01	Peak	H	Pass

Conducted Spurious Emissions-BDR-L CH



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.402 2 GHz	(Δ) -2.396 dBm			
2	N	1	f	2.610 0 GHz	-50.384 dBm			
3	N	1	f	7.970 5 GHz	-56.041 dBm			
4	N	1	f	24.455 7 GHz	-47.724 dBm			
5								
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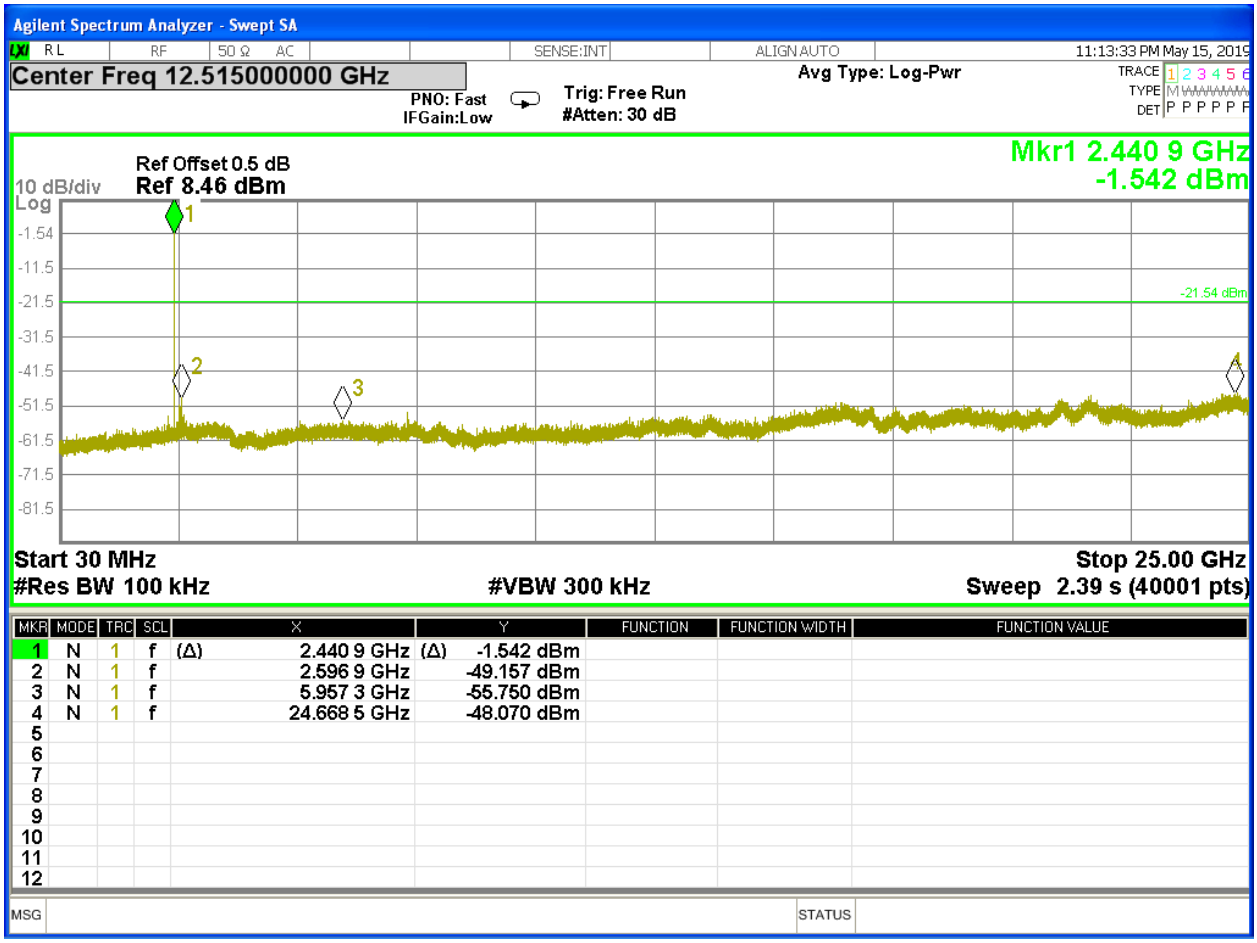
8								
9								
10								
11								
12								

Conducted Spurious Emissions-BDR-M CH



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.440 9 GHz	(Δ) -1.542 dBm			
2	N	1	f	2.596 9 GHz	-49.157 dBm			
3	N	1	f	5.957 3 GHz	-55.750 dBm			
4	N	1	f	24.668 5 GHz	-48.070 dBm			
5								
6								
7								
8								
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10								
11								
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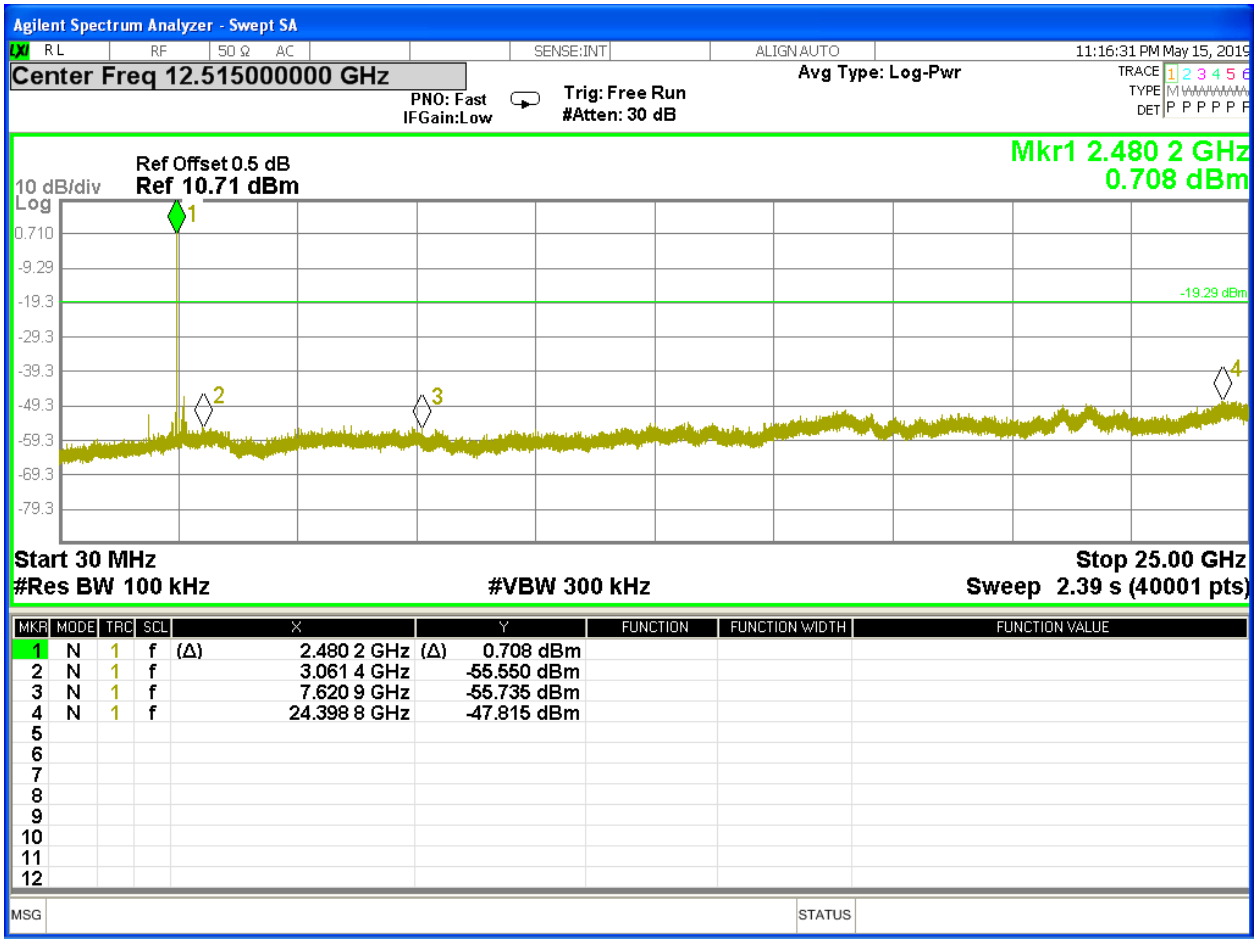
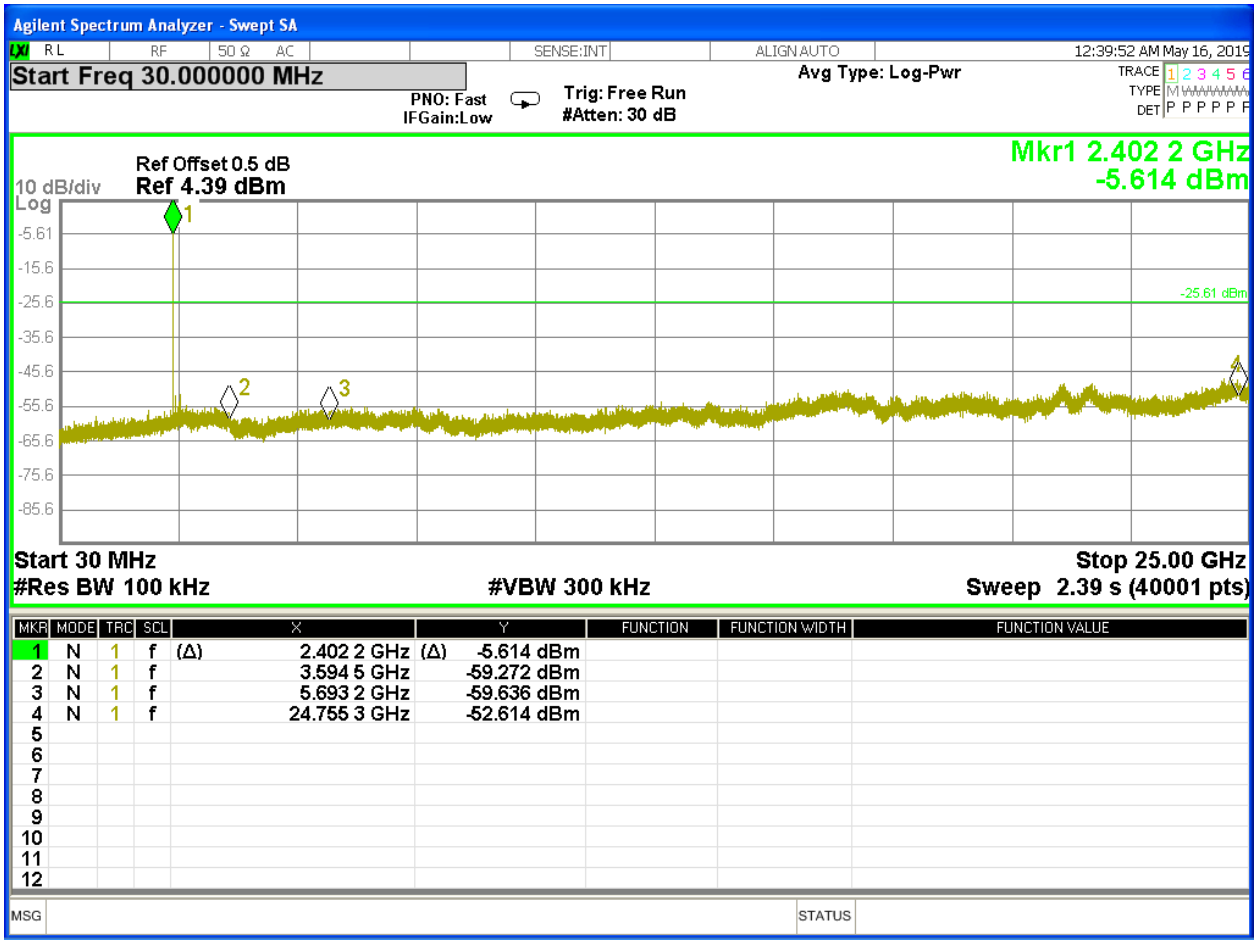
MSG STATUS

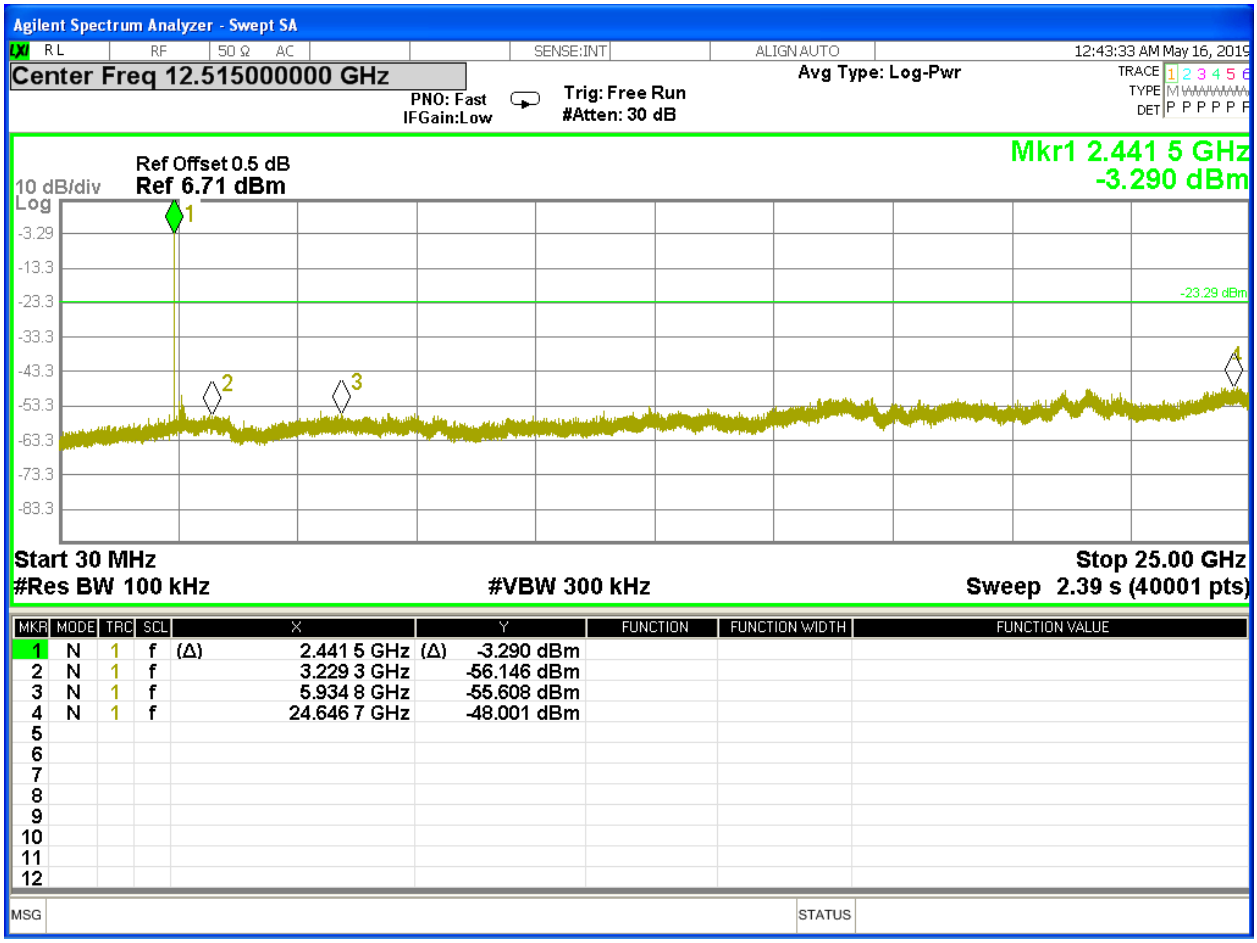
Conducted Spurious Emissions-BDR-H CH



Conducted Spurious Emissions-EDR-L CH



Conducted Spurious Emissions-EDR-M CH



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.441 5 GHz	(Δ) -3.290 dBm			
2	N	1	f	3.229 3 GHz	-56.146 dBm			
3	N	1	f	5.934 8 GHz	-55.608 dBm			
4	N	1	f	24.646 7 GHz	-48.001 dBm			
5								
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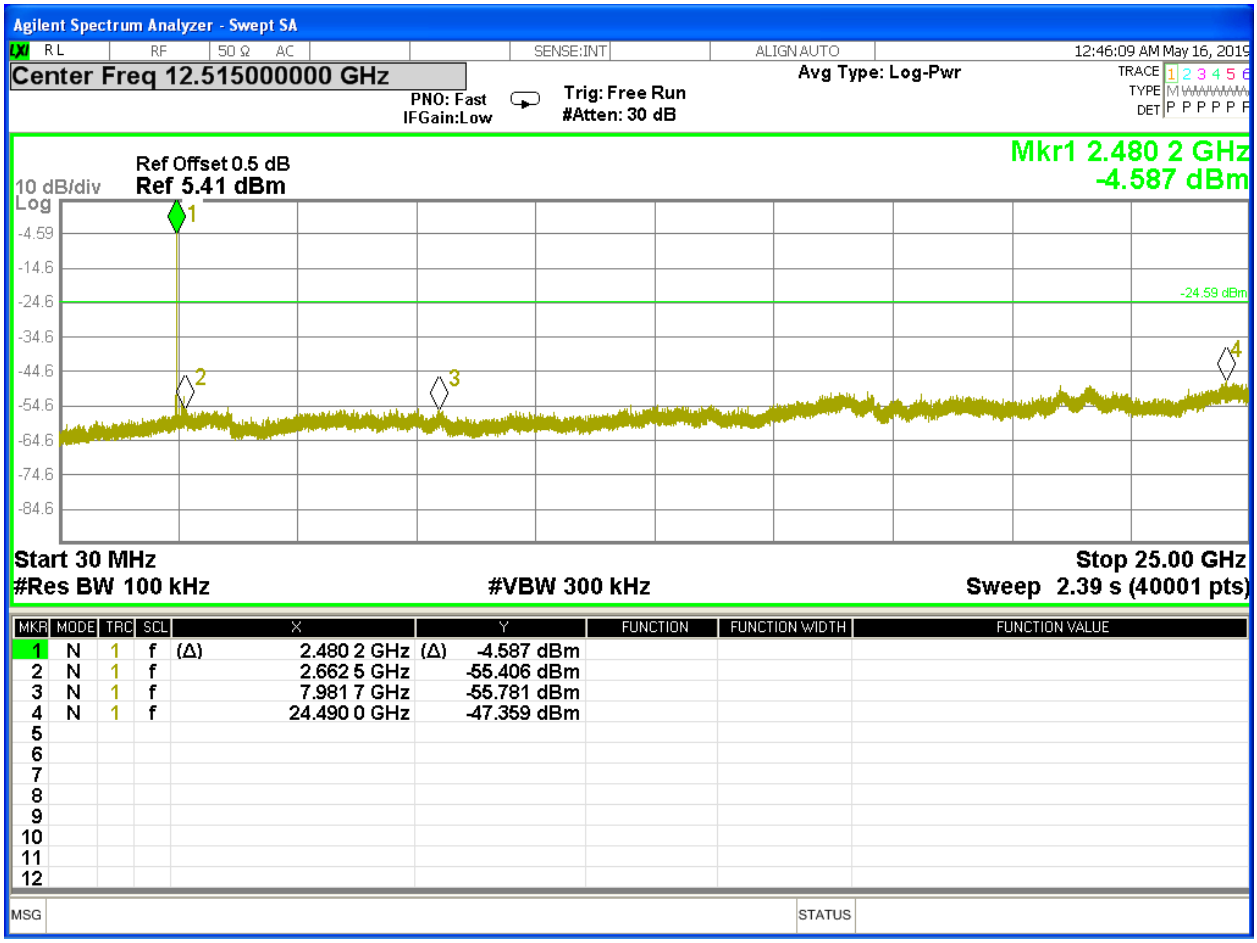
9								
10								
11								
12								

Conducted Spurious Emissions-EDR-H CH



MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.480 2 GHz	(Δ) -4.587 dBm			
2	N	1	f	2.662 5 GHz	-55.406 dBm			
3	N	1	f	7.981 7 GHz	-55.781 dBm			
4	N	1	f	24.490 0 GHz	-47.359 dBm			
5								
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8								
9								
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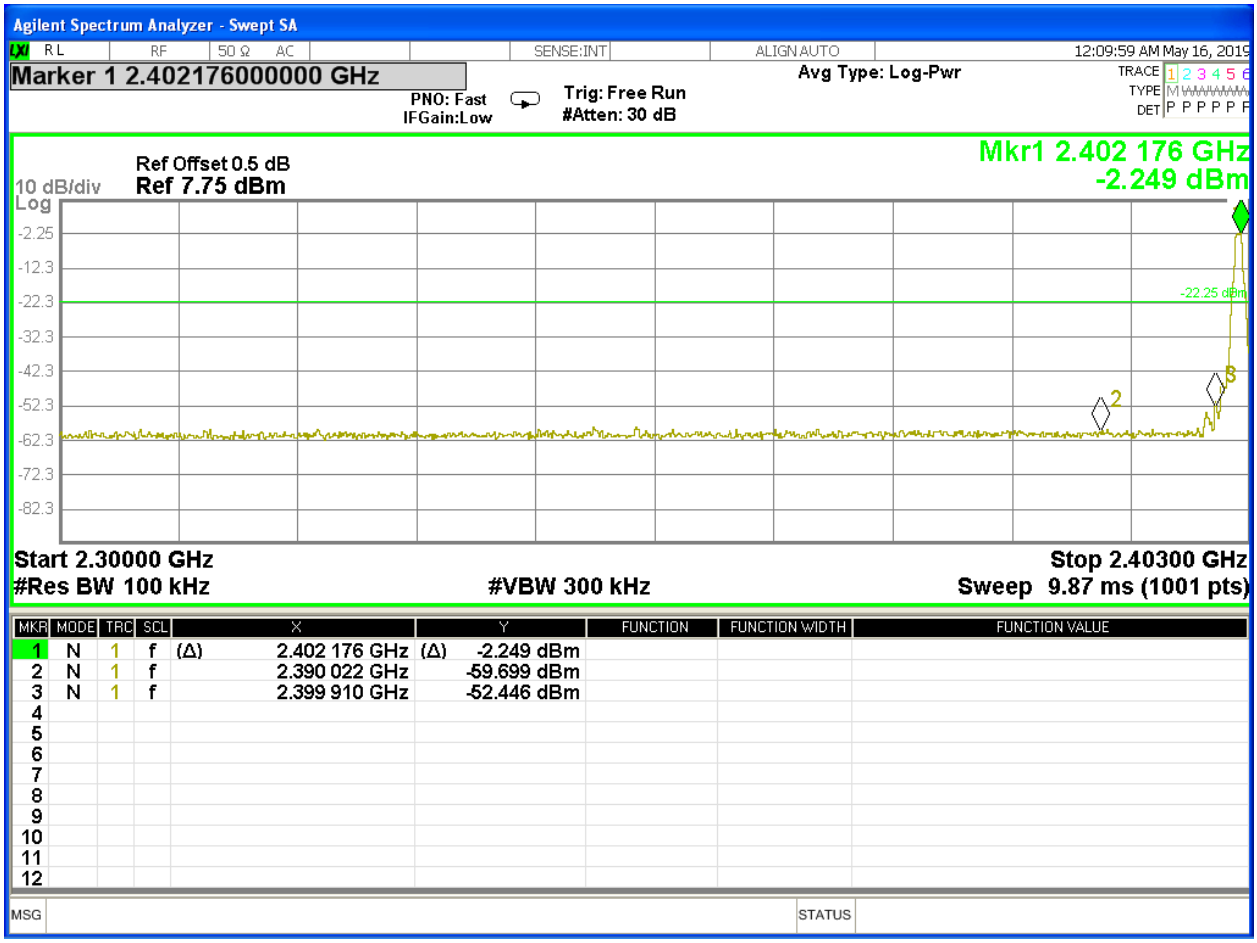
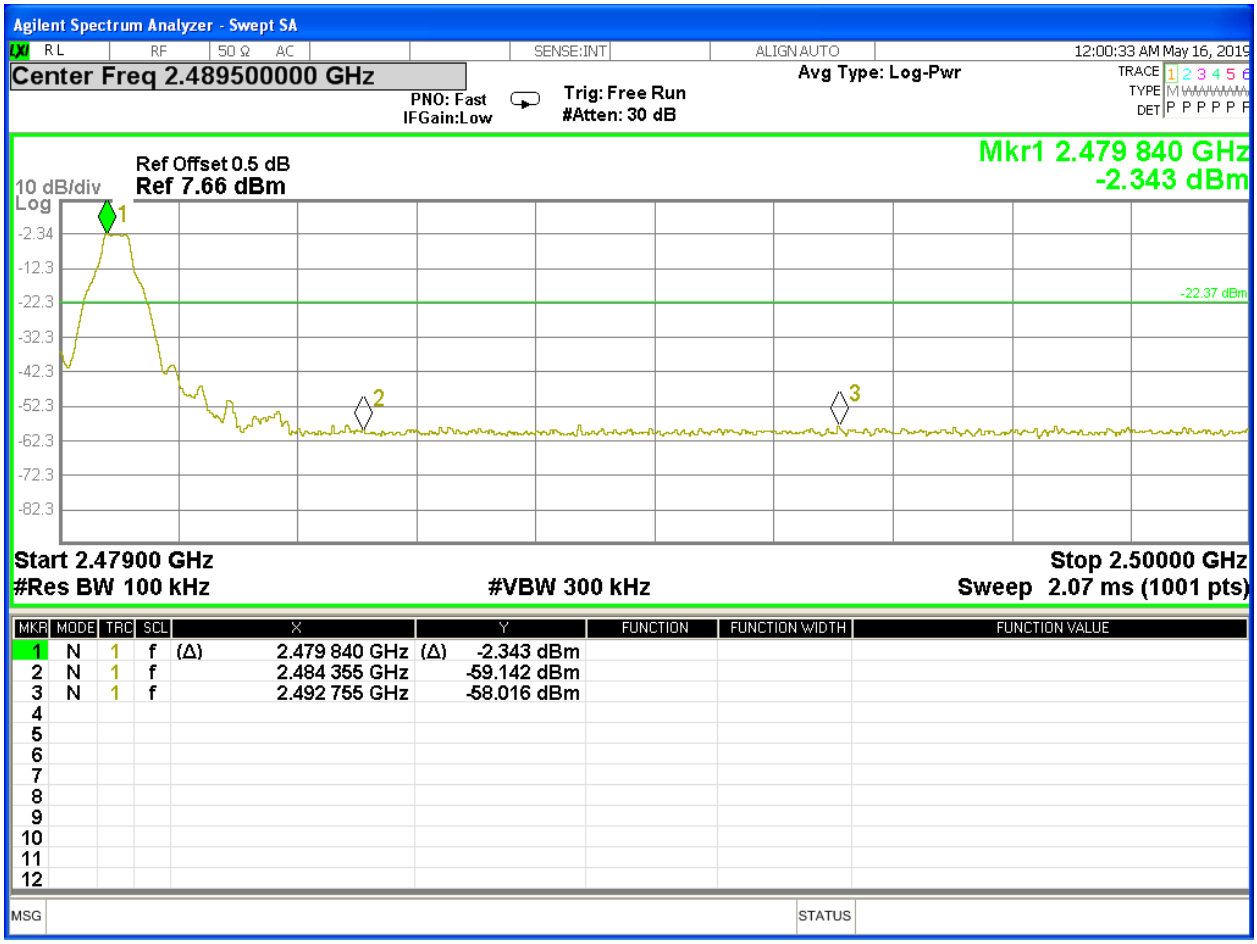
11								
12								

Band Edge-BDR-L CH

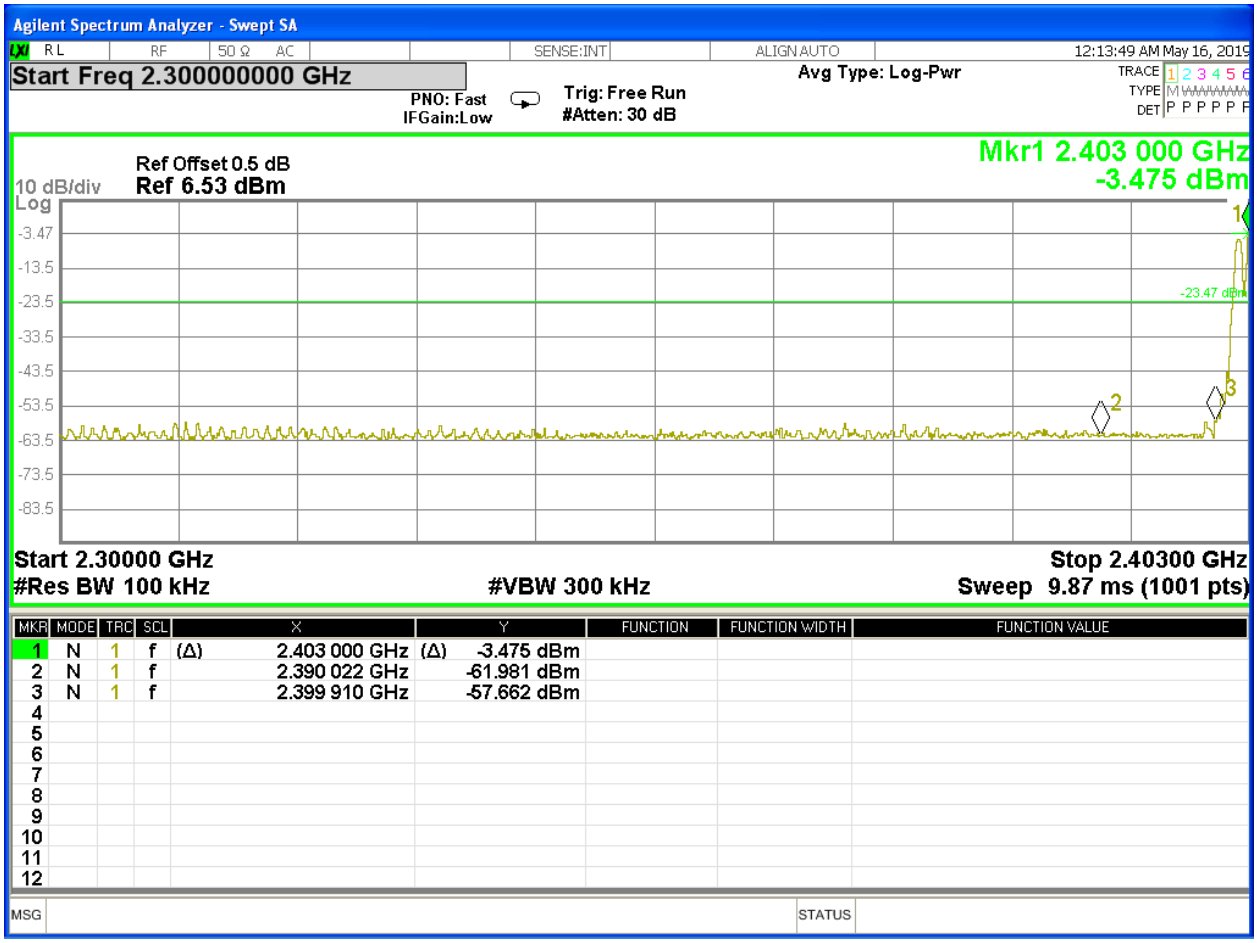


Band Edge-BDR-H CH

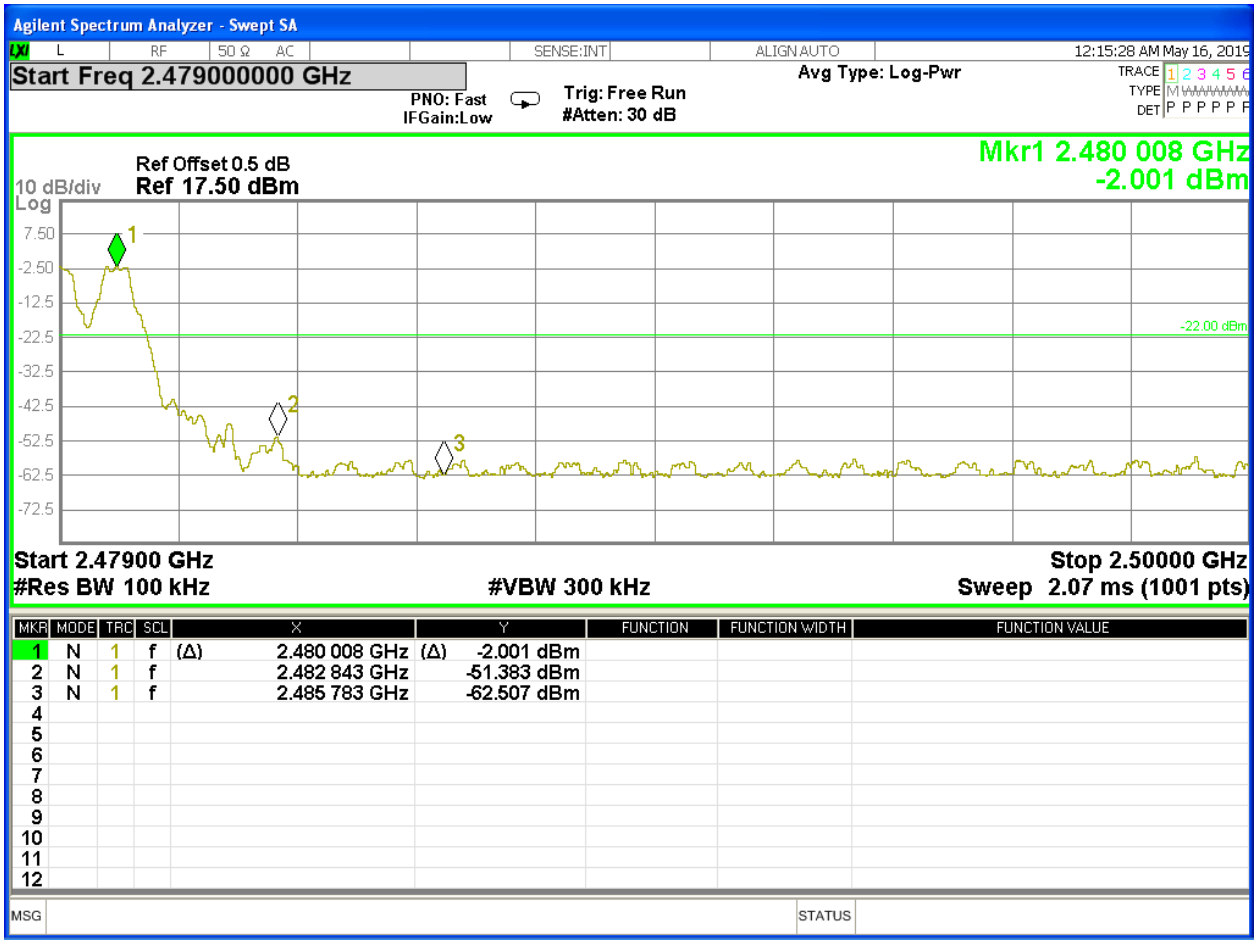


MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.479 840 GHz	(Δ) -2.343 dBm			
2	N	1	f	2.484 355 GHz	-59.142 dBm			
3	N	1	f	2.492 755 GHz	-58.016 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

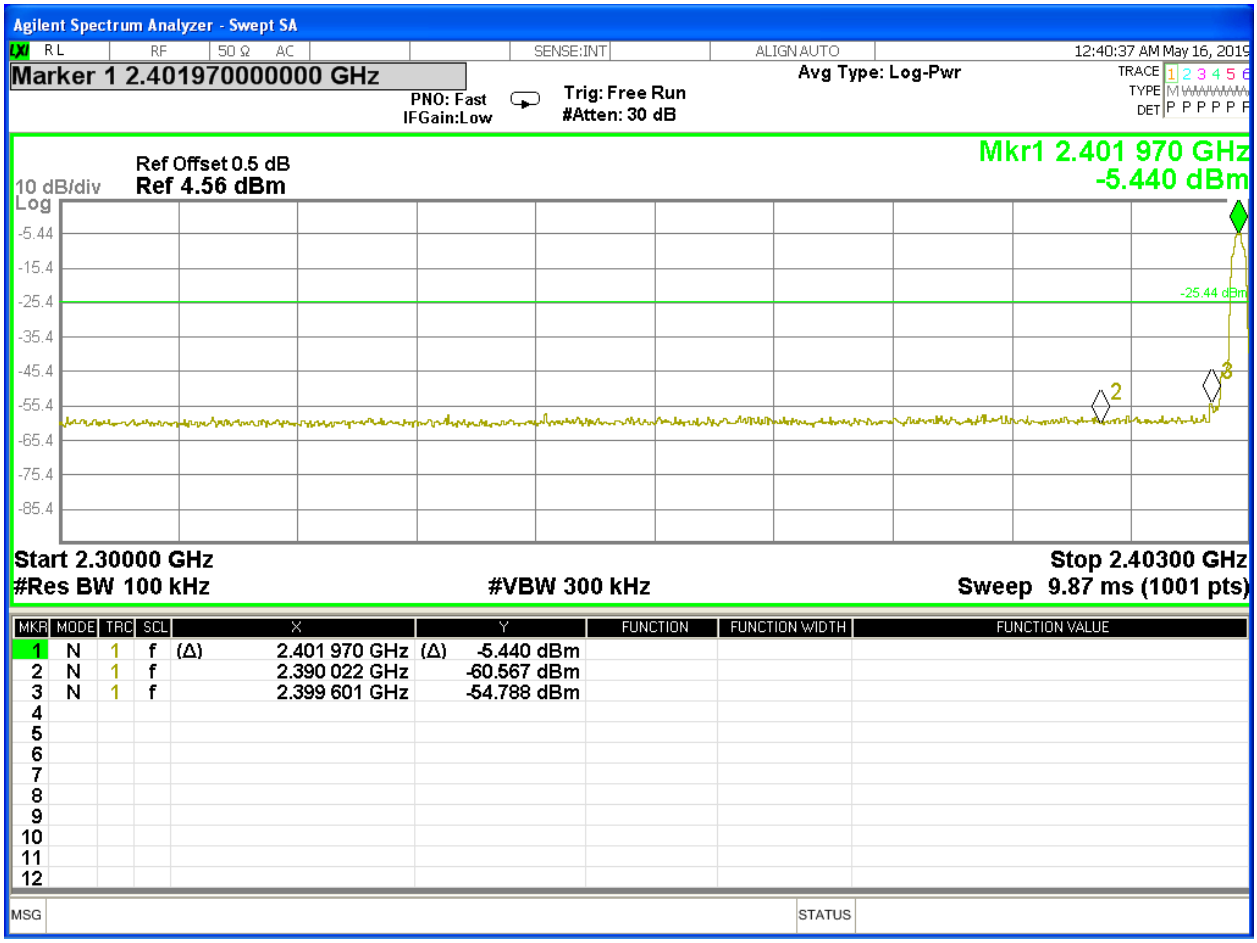
Band Edge-BDR- (Hopping mode)



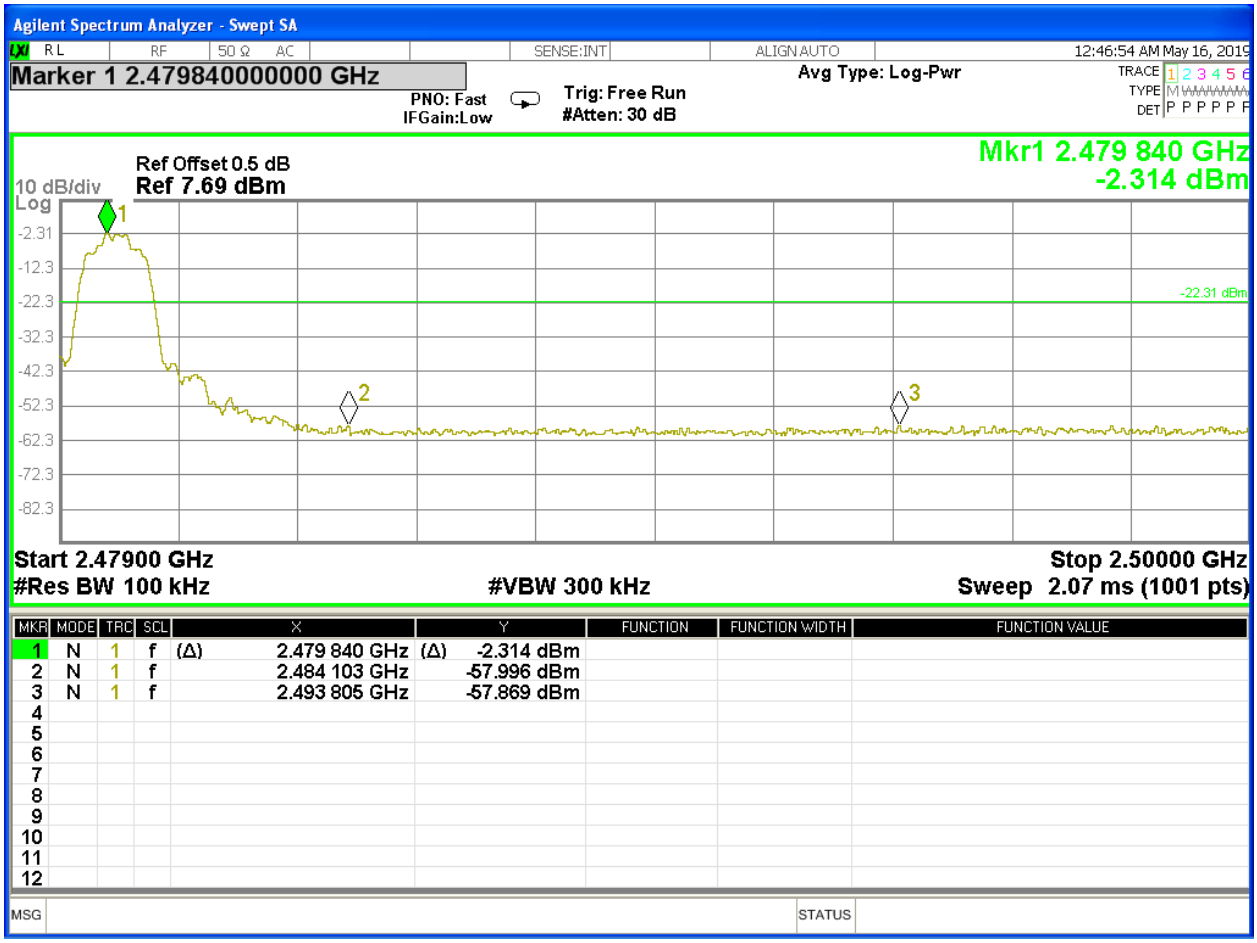
Band Edge-BDR- (Hopping mode)



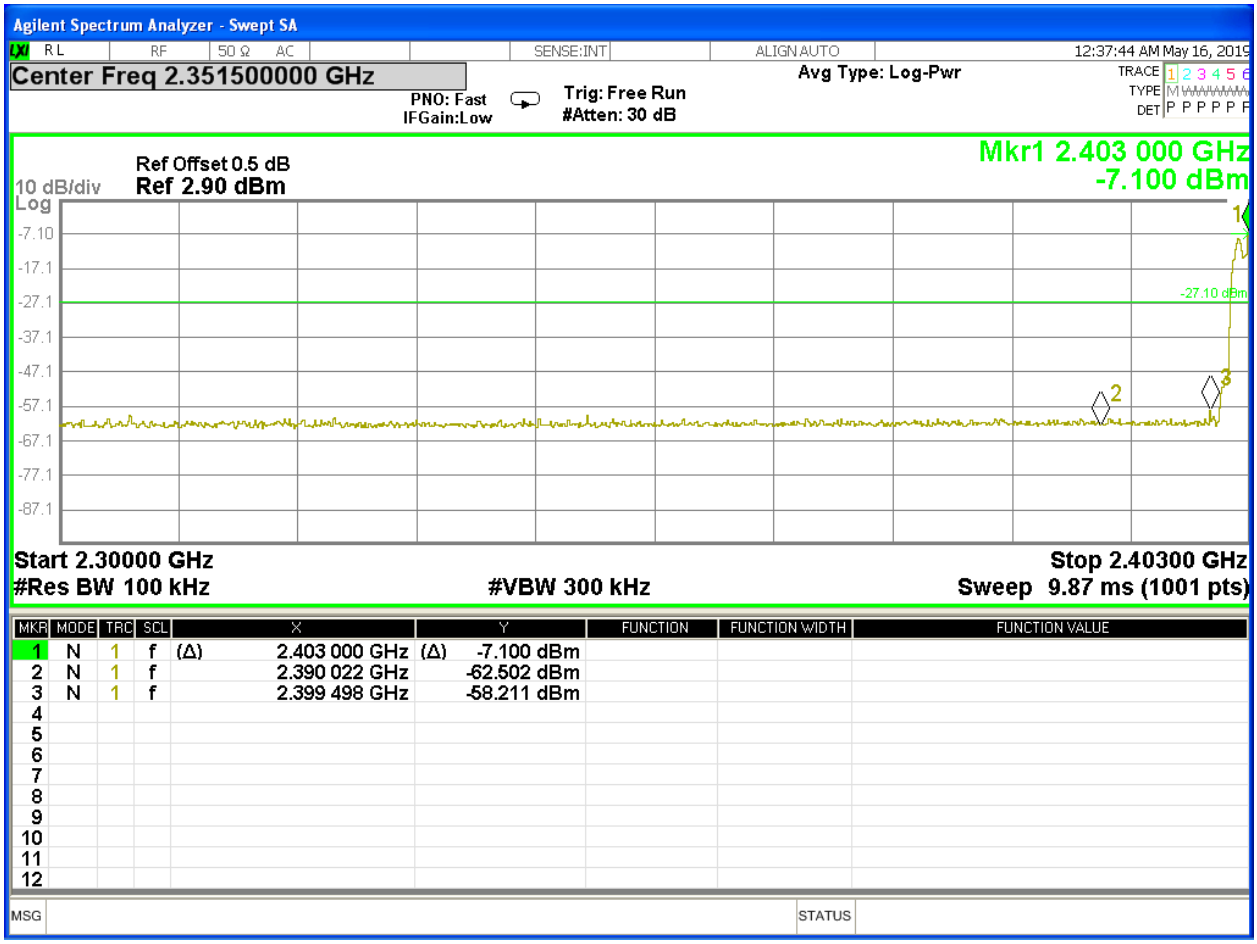
Band Edge-EDR-L CH



Band Edge-EDR-H CH

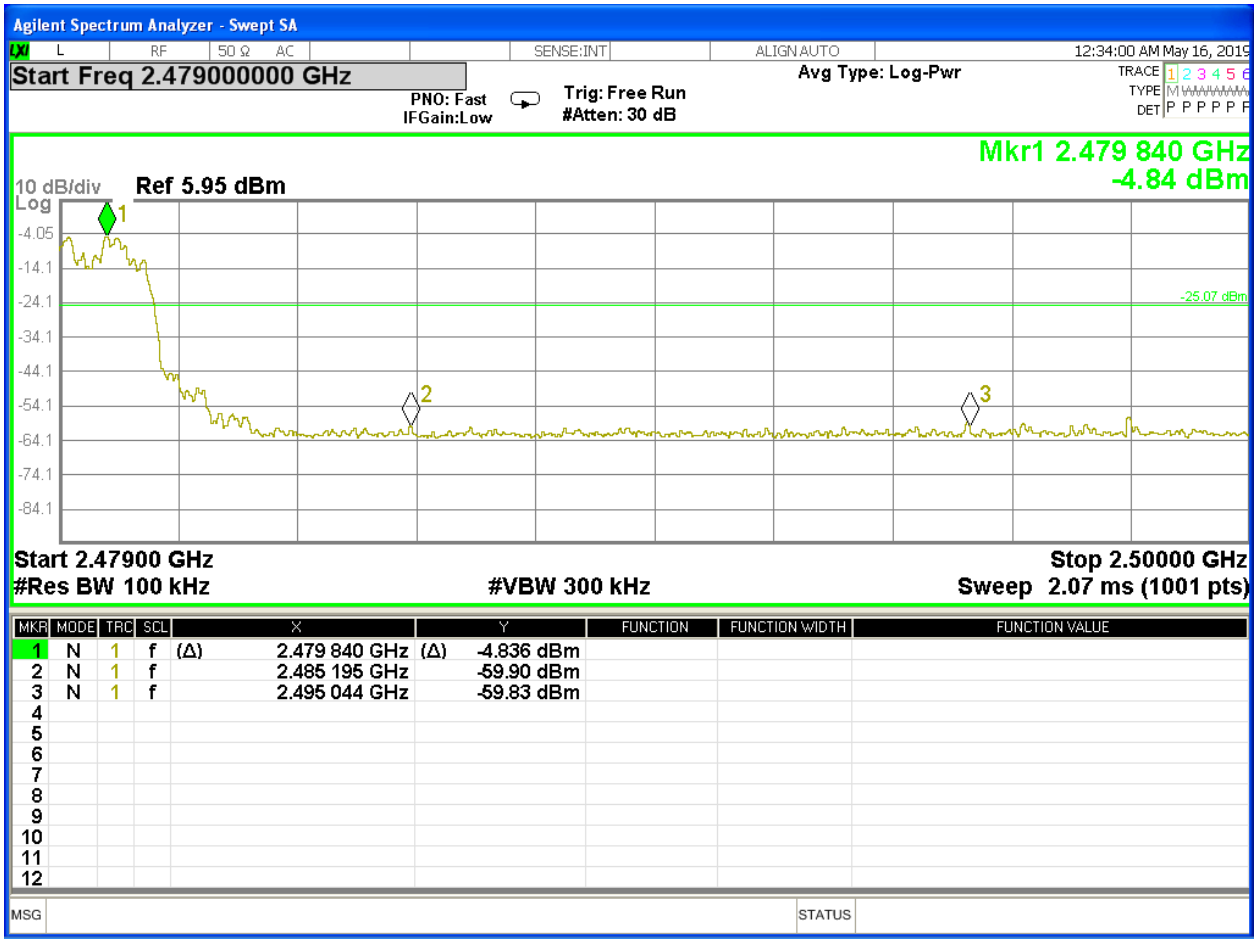


Band Edge-EDR- (Hopping mode)



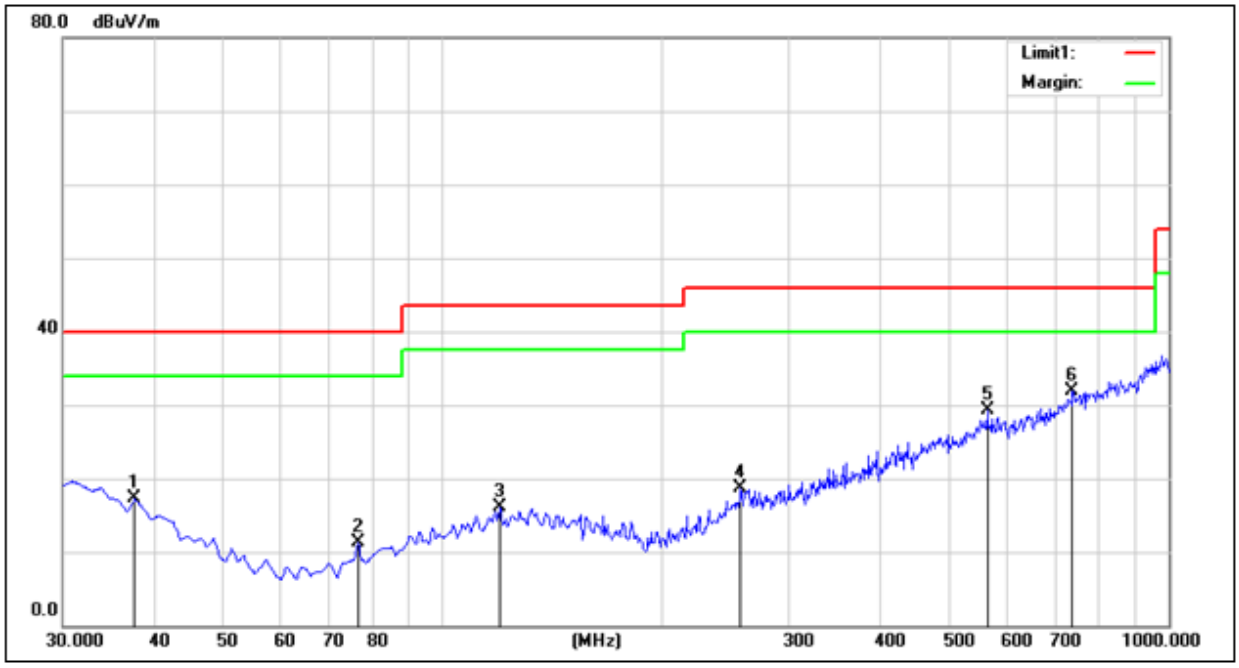
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	(Δ) 2.403 000 GHz	(Δ) -7.100 dBm			
2	N	1	f	2.390 022 GHz	-62.502 dBm			
3	N	1	f	2.399 498 GHz	-58.211 dBm			
4								
5								
6								
7								
8								
9								
10								
11								
12								

Band Edge-EDR- (Hopping mode)



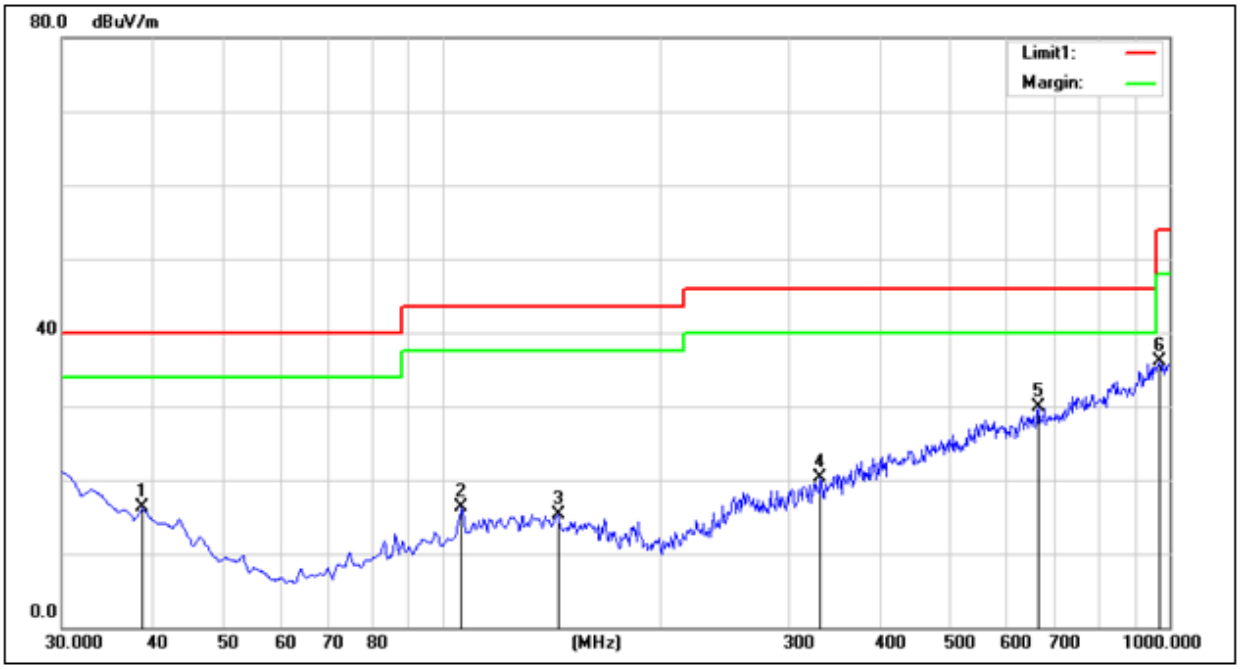
Radiated Spurious Emissions

Job No.:	STS1904246	Ant.Polar.:	Horizontal
Standard:	FCC Part 15C	Date:2019/5/17	Time:17:35:53
Test item:	Radiated Emission	Temp.(C):	23.3(C)
Company:	PORTABLE COLUMN ARRAY SYSTEM	Hum.(%RH):	64%RH
Model:	VX8.1	Power:	AC 120V/60Hz
Mode:	G_L	Test By:	Michael
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	37.7600	1.69	15.52	17.21	40.00	-22.79			QP
2	76.5600	2.62	8.67	11.29	40.00	-28.71			QP
3	120.2100	2.17	13.89	16.06	43.50	-27.44			QP
4	257.9500	1.68	17.03	18.71	46.00	-27.29			QP
5	564.4700	3.32	25.95	29.27	46.00	-16.73			QP
6	737.1300	2.79	29.12	31.91	46.00	-14.09			QP

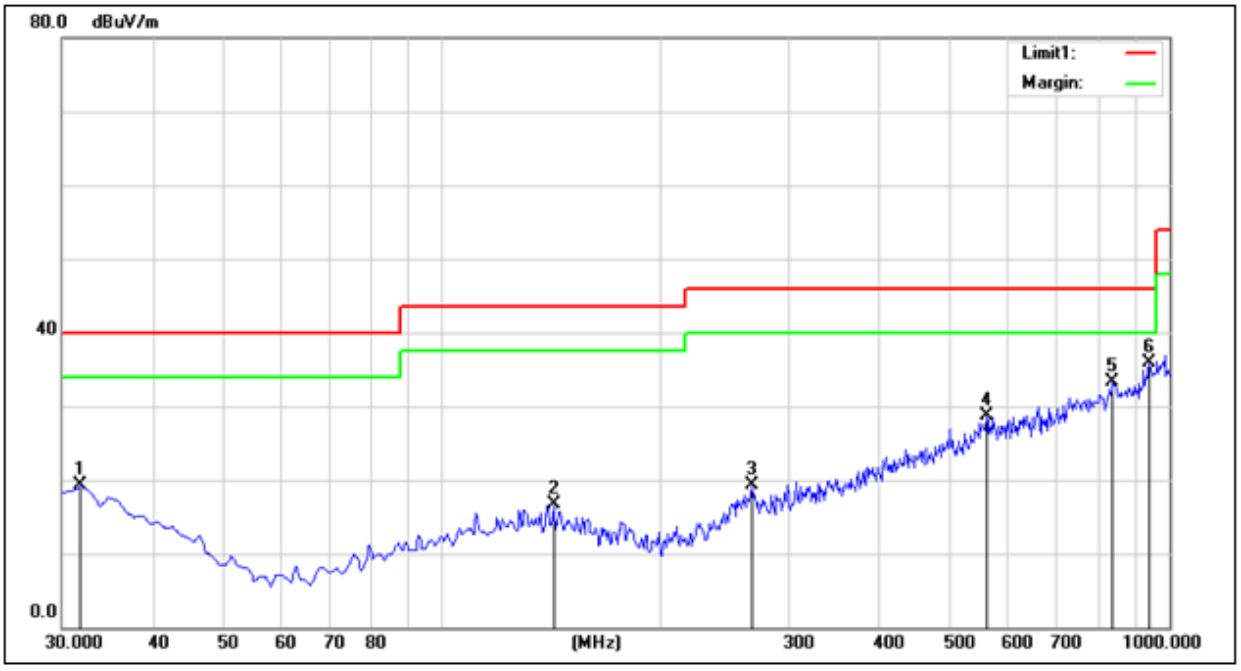
Job No.:	**STS1904246**	**Ant.Polar.:**	**Vertical**
Standard:	**FCC Part 15C**	**Date:2019/5/17**	**Time:17:37:05**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**G_L**	**Test By:**	**Michael**
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	38.7300	1.19	15.02	16.21	40.00	-23.79			QP
2	106.6300	3.58	12.78	16.36	43.50	-27.14			QP
3	144.4600	1.47	13.90	15.37	43.50	-28.13			QP
4	331.6700	1.95	18.41	20.36	46.00	-25.64			QP
5	663.4100	3.07	26.74	29.81	46.00	-16.19			QP
6	968.9600	3.01	33.13	36.14	54.00	-17.86			QP

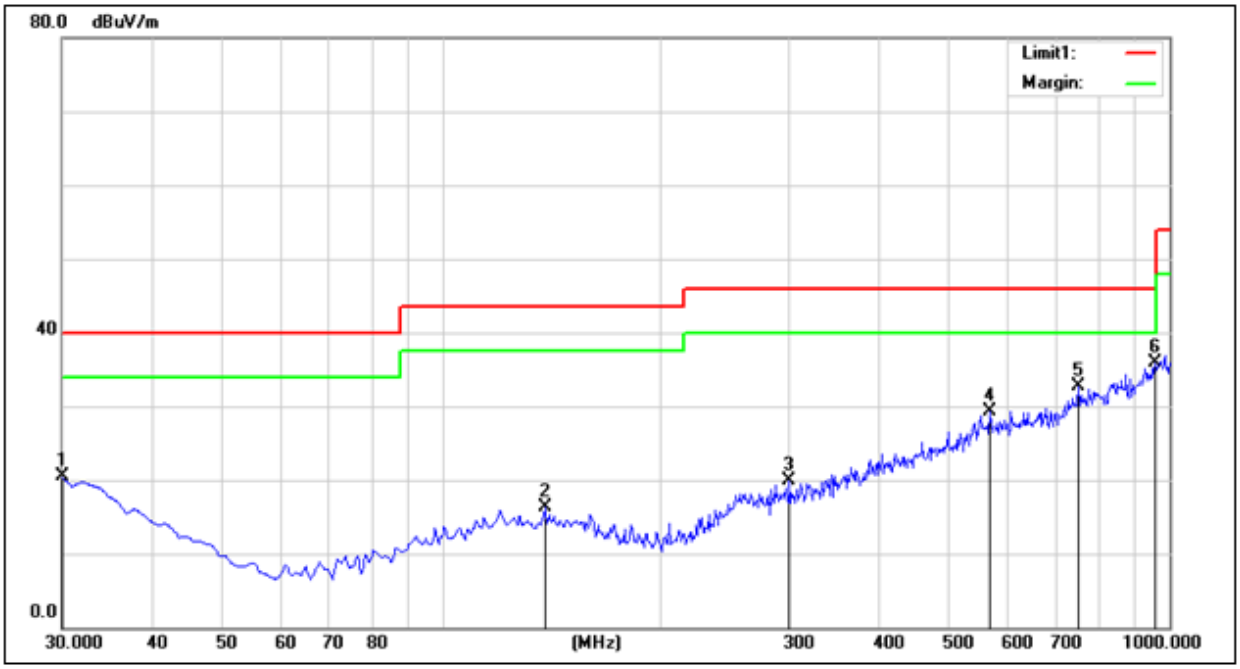
Job No.:	STS1904246	Ant.Polar.:	Horizontal
Standard:	FCC Part 15C	Date:2019/5/20	Time:17:25:31
Test item:	Radiated Emission	Temp.(C):	23.3(C)
Company:	PORTABLE COLUMN ARRAY SYSTEM	Hum.(%RH):	64%RH
Model:	VX8.1	Power:	AC 120V/60Hz
Mode:	G_M	Test By:	BULUN

Description:



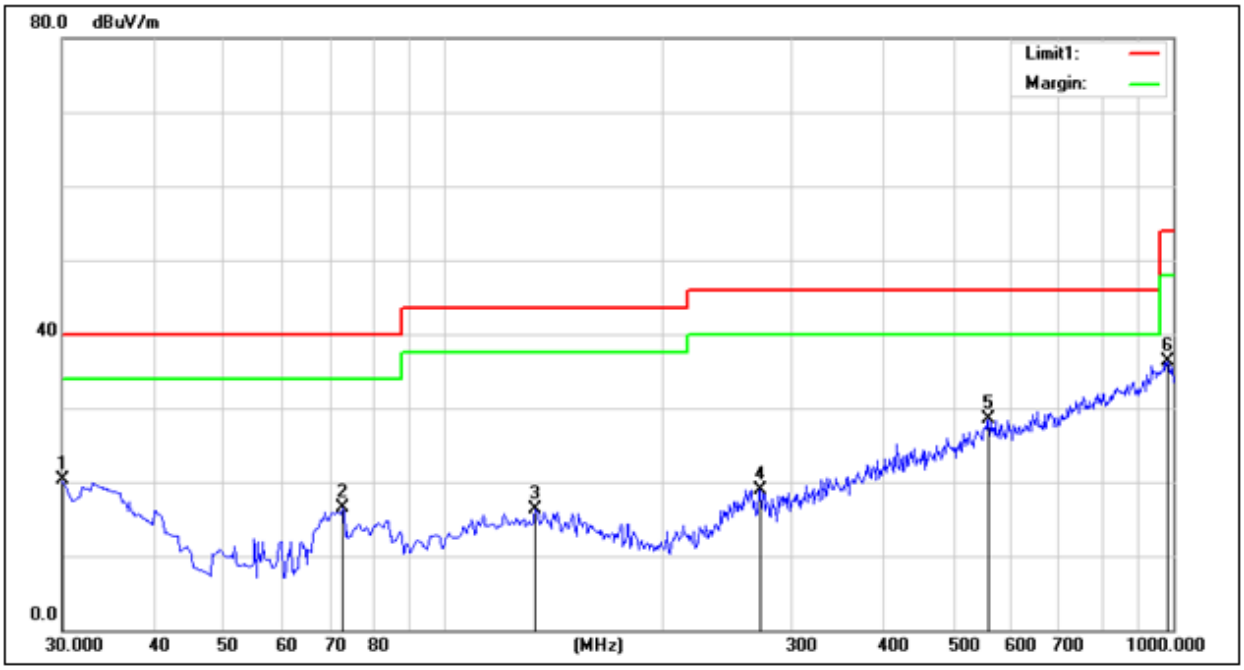
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	31.9400	0.78	18.44	19.22	40.00	-20.78			QP
2	142.5200	2.67	14.02	16.69	43.50	-26.81			QP
3	266.6800	2.18	17.11	19.29	46.00	-26.71			QP
4	561.5600	2.71	25.99	28.70	46.00	-17.30			QP
5	837.0400	2.44	30.87	33.31	46.00	-12.69			QP
6	938.8900	3.43	32.50	35.93	46.00	-10.07			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Vertical**
Standard:	**FCC Part 15C**	**Date:2019/5/20**	**Time:17:21:09**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**G_M**	**Test By:**	**BULUN**
Description:			



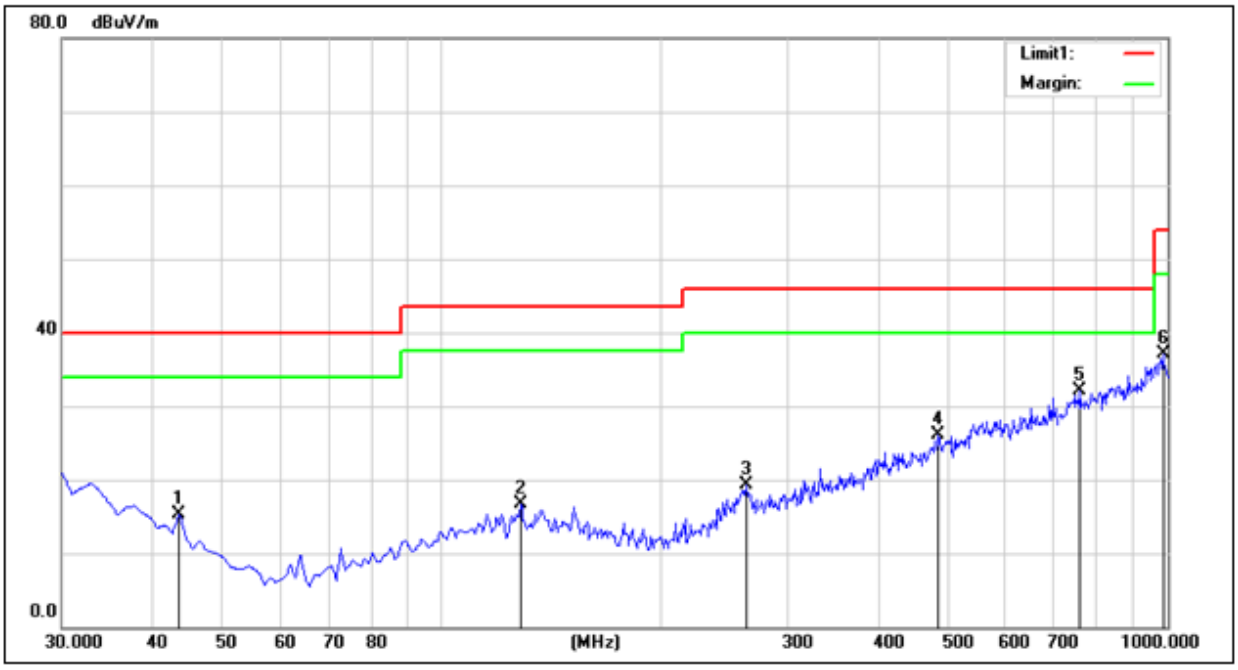
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.0000	1.00	19.42	20.42	40.00	-19.58			QP
2	138.6400	2.07	14.17	16.24	43.50	-27.26			QP
3	300.6300	2.71	17.13	19.84	46.00	-26.16			QP
4	567.3800	3.40	25.92	29.32	46.00	-16.68			QP
5	750.7100	3.54	29.15	32.69	46.00	-13.31			QP
6	958.2900	2.91	32.95	35.86	46.00	-10.14			QP

Job No.:	STS1904246	Ant.Polar.:	Horizontal
Standard:	FCC Part 15C	Date:2019/5/17	Time:17:30:11
Test item:	Radiated Emission	Temp.(C):	23.3(C)
Company:	PORTABLE COLUMN ARRAY SYSTEM	Hum.(%RH):	64%RH
Model:	VX8.1	Power:	AC 120V/60Hz
Mode:	G_H	Test By:	Michael
Description:			



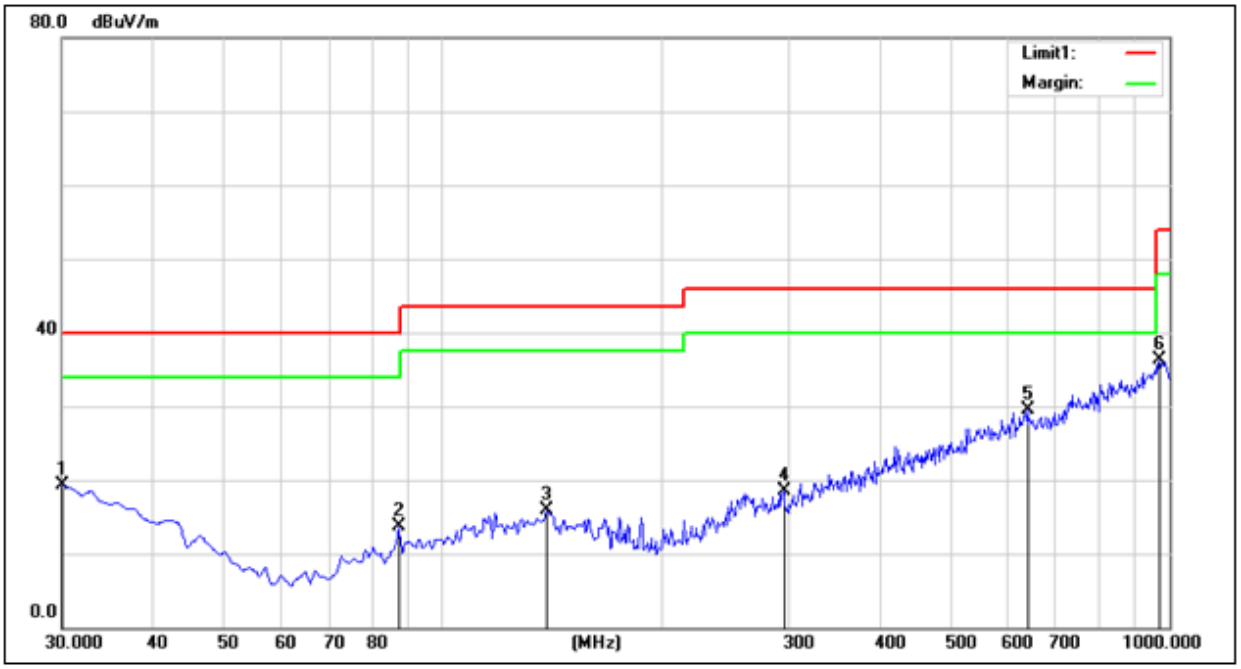
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.0000	0.96	19.42	20.38	40.00	-19.62			QP
2	72.6800	8.60	7.92	16.52	40.00	-23.48			QP
3	133.7900	2.13	14.08	16.21	43.50	-27.29			QP
4	271.5300	2.23	16.68	18.91	46.00	-27.09			QP
5	560.5900	2.52	26.00	28.52	46.00	-17.48			QP
6	983.5100	2.80	33.56	36.36	54.00	-17.64			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Vertical**
Standard:	**FCC Part 15C**	**Date:2019/5/17**	**Time:17:32:48**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**G_H**	**Test By:**	**Michael**
Description:			



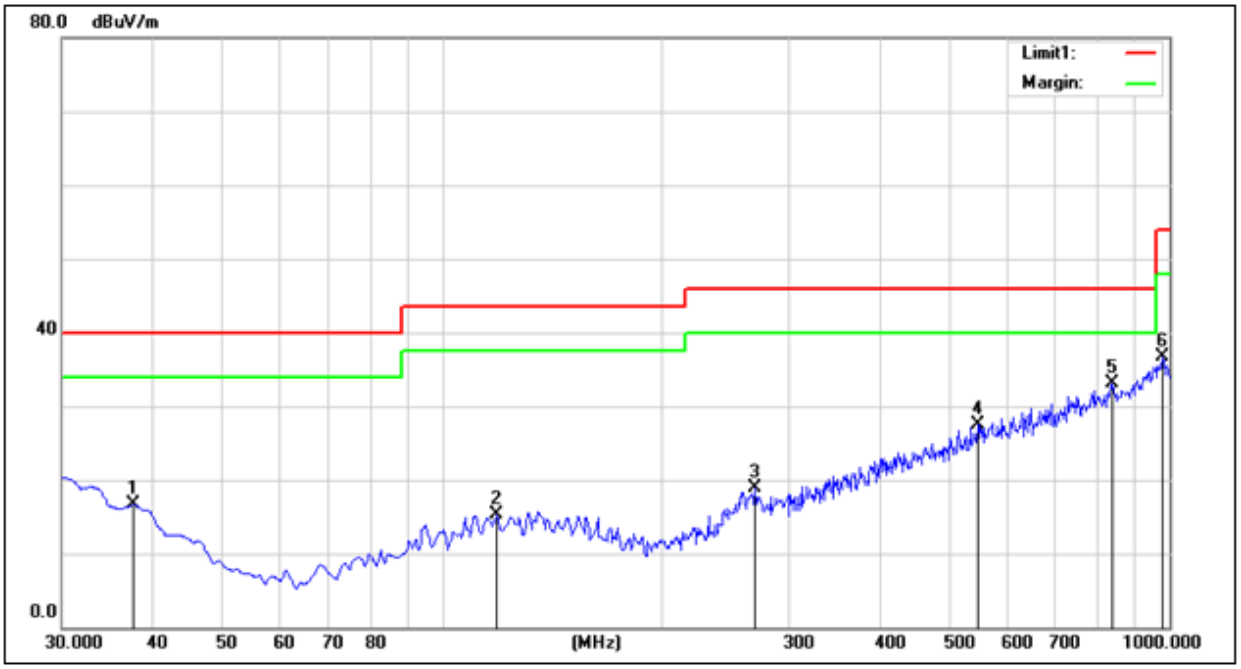
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	43.5800	2.87	12.45	15.32	40.00	-24.68			QP
2	128.9400	2.73	13.97	16.70	43.50	-26.80			QP
3	263.7700	1.97	17.30	19.27	46.00	-26.73			QP
4	484.9300	2.83	23.21	26.04	46.00	-19.96			QP
5	760.4100	2.95	29.11	32.06	46.00	-13.94			QP
6	986.4200	3.74	33.39	37.13	54.00	-16.87			QP

Job No.:	STS1904246	Ant.Polar.:	Horizontal
Standard:	FCC Part 15C	Date:2019/5/17	Time:15:34:05
Test item:	Radiated Emission	Temp.(C):	23.3(C)
Company:	PORTABLE COLUMN ARRAY SYSTEM	Hum.(%RH):	64%RH
Model:	VX8.1	Power:	AC 120V/60Hz
Mode:	8D_L	Test By:	Michael
Description:			



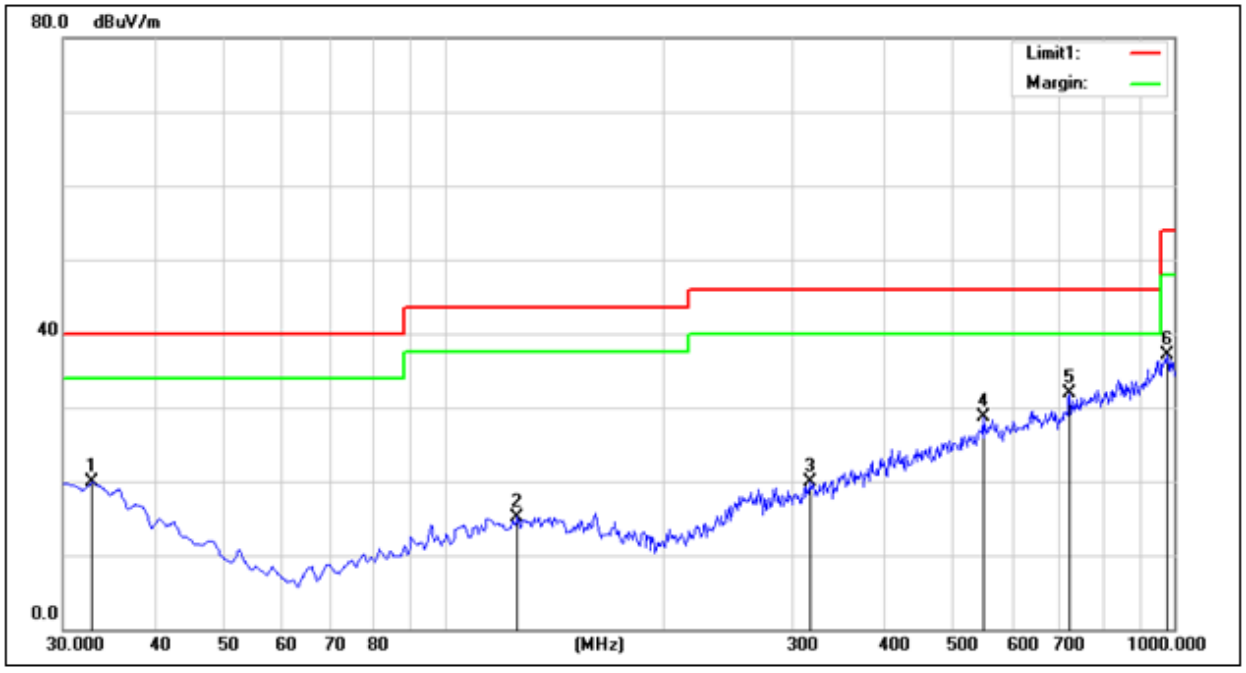
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.0000	-0.10	19.42	19.32	40.00	-20.68			QP
2	87.2300	3.38	10.41	13.79	40.00	-26.21			QP
3	139.6100	1.68	14.19	15.87	43.50	-27.63			QP
4	295.7800	1.58	16.99	18.57	46.00	-27.43			QP
5	639.1600	2.78	26.63	29.41	46.00	-16.59			QP
6	971.8700	2.97	33.27	36.24	54.00	-17.76			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Vertical**
Standard:	**FCC Part 15C**	**Date:2019/5/17**	**Time:15:36:09**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**8D_L**	**Test By:**	**Michael**
Description:			



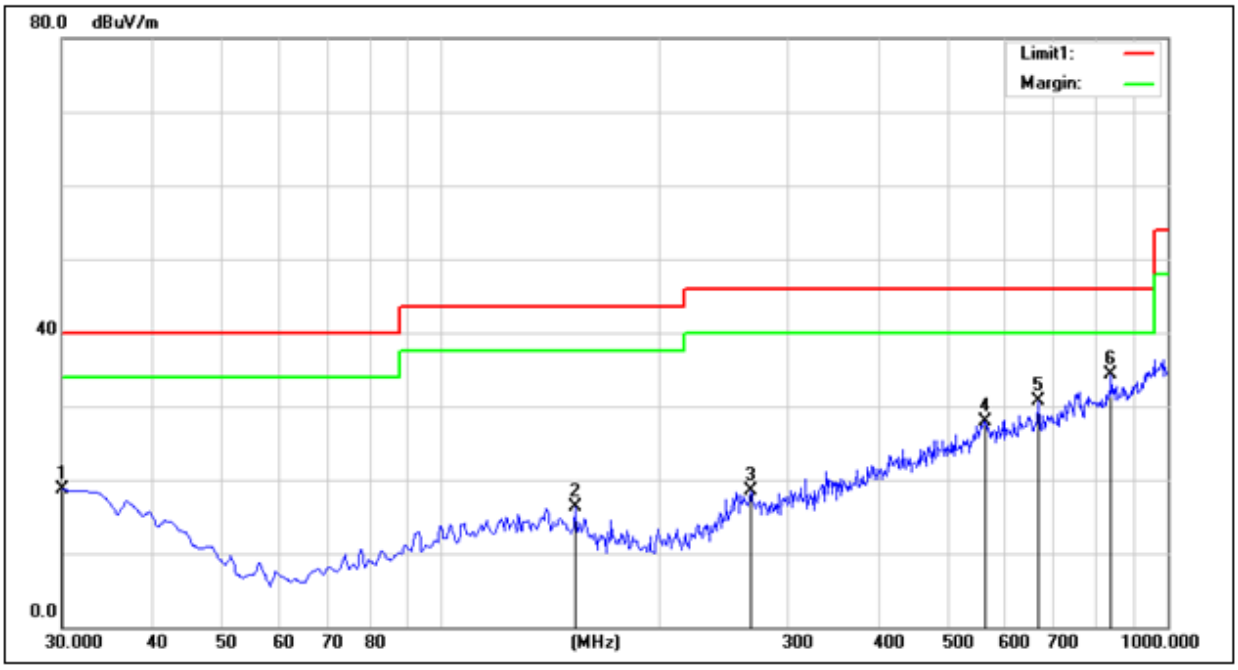
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	37.7600	1.23	15.52	16.75	40.00	-23.25			QP
2	119.2400	1.36	13.86	15.22	43.50	-28.28			QP
3	269.5900	2.05	16.76	18.81	46.00	-27.19			QP
4	546.0400	2.07	25.39	27.46	46.00	-18.54			QP
5	838.9800	2.12	30.94	33.06	46.00	-12.94			QP
6	982.5400	3.01	33.62	36.63	54.00	-17.37			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Horizontal**
Standard:	**FCC Part 15C**	**Date:2019/5/20**	**Time:17:13:07**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**8D_M**	**Test By:**	**BULUN**
Description:			



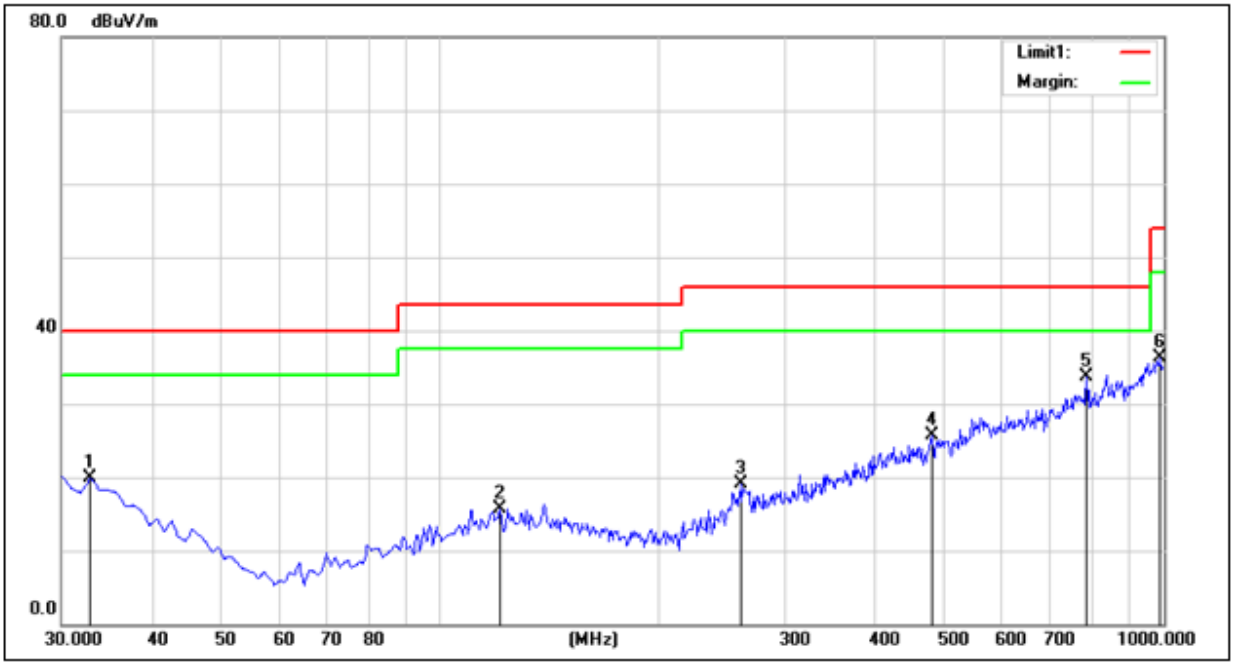
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	32.9100	1.91	17.98	19.89	40.00	-20.11			QP
2	126.0300	1.19	14.01	15.20	43.50	-28.30			QP
3	317.1200	2.10	17.81	19.91	46.00	-26.09			QP
4	547.9800	3.18	25.59	28.77	46.00	-17.23			QP
5	721.6100	3.76	28.21	31.97	46.00	-14.03			QP
6	979.6300	3.36	33.74	37.10	54.00	-16.90			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Vertical**
Standard:	**FCC Part 15C**	**Date:2019/5/20**	**Time:17:16:51**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**8D_M**	**Test By:**	**BULUN**
Description:			



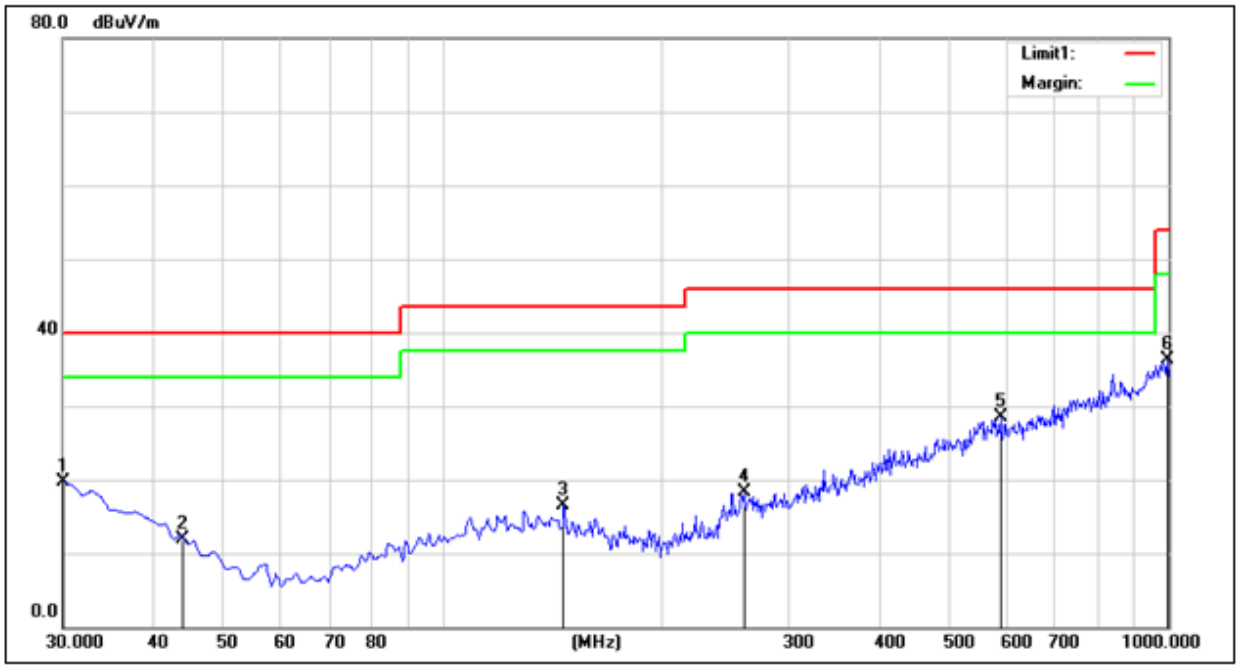
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	30.0000	-0.67	19.42	18.75	40.00	-21.25			QP
2	153.1900	2.64	13.57	16.21	43.50	-27.29			QP
3	266.6800	1.32	17.11	18.43	46.00	-27.57			QP
4	561.5600	1.94	25.99	27.93	46.00	-18.07			QP
5	664.3800	3.87	26.75	30.62	46.00	-15.38			QP
6	837.0400	3.38	30.87	34.25	46.00	-11.75			QP

Job No.:	**STS1904246**	**Ant.Polar.:**	**Horizontal**
Standard:	**FCC Part 15C**	**Date:2019/5/17**	**Time:15:38:44**
Test item:	**Radiated Emission**	**Temp.(C):**	**23.3(C)**
Company:	**PORTABLE COLUMN ARRAY SYSTEM**	**Hum.(%RH):**	**64%RH**
Model:	**VX8.1**	**Power:**	**AC 120V/60Hz**
Mode:	**8D_H**	**Test By:**	**Michael**
Description:			



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	32.9100	1.92	17.98	19.90	40.00	-20.10			QP
2	121.1800	1.84	13.92	15.76	43.50	-27.74			QP
3	261.8300	1.76	17.28	19.04	46.00	-26.96			QP
4	480.0800	2.70	23.03	25.73	46.00	-20.27			QP
5	782.7200	4.45	29.21	33.66	46.00	-12.34			QP
6	990.3000	3.13	33.18	36.31	54.00	-17.69			QP

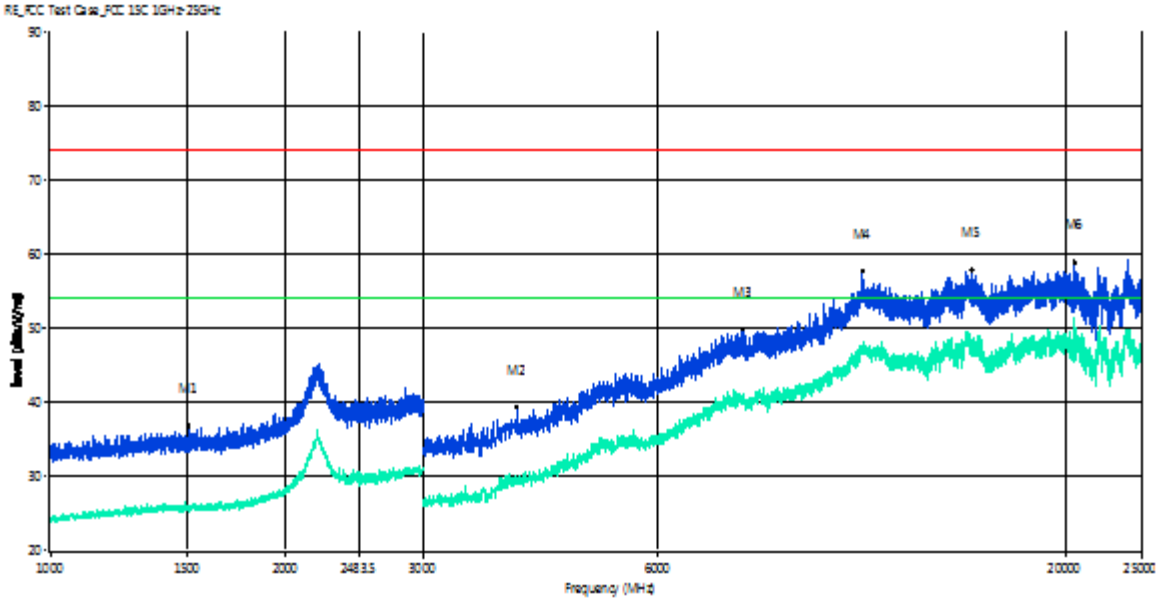
Job No.:	STS1904246	Ant.Polar.:	Vertical
Standard:	FCC Part 15C	Date:2019/5/17	Time:15:40:52
Test item:	Radiated Emission	Temp.(C):	23.3(C)
Company:	PORTABLE COLUMN ARRAY SYSTEM	Hum.(%RH):	64%RH
Model:	VX8.1	Power:	AC 120V/60Hz
Mode:	8D_H	Test By:	Michael
Description:			



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	30.0000	0.36	19.42	19.78	40.00	-20.22			QP
2	44.1200	-0.34	12.17	11.83	40.00	-28.17			QP
3	147.3700	2.73	13.76	16.49	43.50	-27.01			QP
4	260.8600	0.94	17.27	18.21	46.00	-27.79			QP
5	588.7200	2.93	25.65	28.58	46.00	-17.42			QP
6	997.0900	3.13	33.20	36.33	54.00	-17.67			QP

Test Time: 2019-05-17_14.37.30

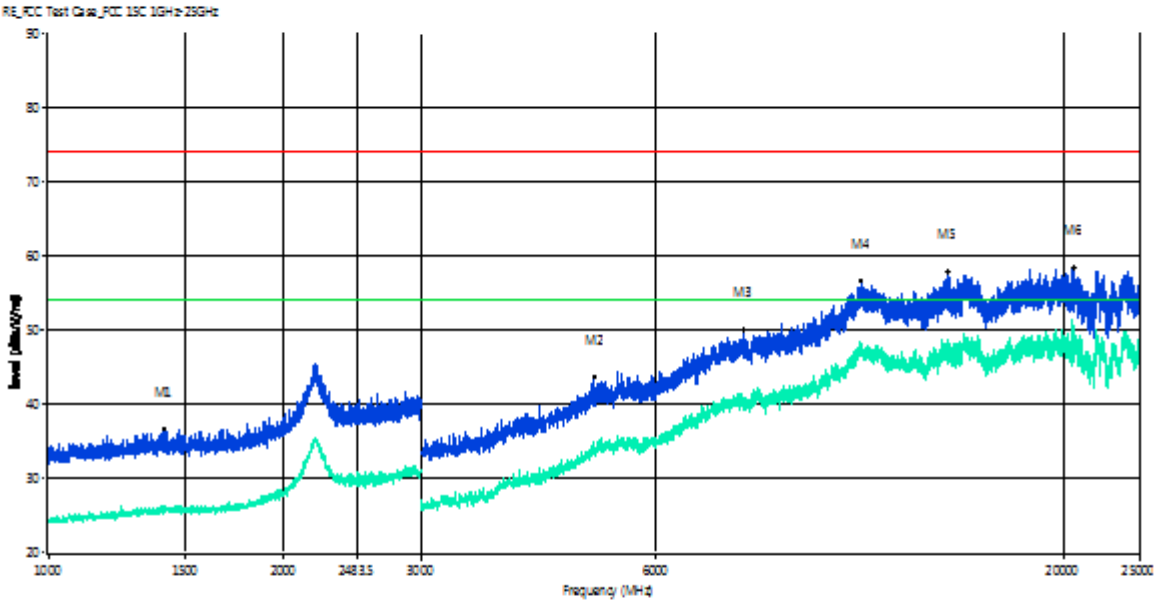
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	G_L	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	
		Manufacturer:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1502.500	25.58	-17.22	54.0	-28.42	AV	11.00	100	H	Pass
1	1502.500	36.85	-17.22	74.0	-37.15	Peak	11.00	100	H	Pass
2**	3965.000	29.06	-7.79	54.0	-24.94	AV	8.00	100	H	Pass
2	3965.000	39.34	-7.79	74.0	-34.66	Peak	8.00	100	H	Pass
3**	7712.500	39.81	4.92	54.0	-14.19	AV	10.00	100	H	Pass
3	7712.500	49.86	4.92	74.0	-24.14	Peak	10.00	100	H	Pass
4**	10970.000	46.78	10.85	54.0	-7.22	AV	6.00	100	H	Pass
4	10970.000	57.74	10.85	74.0	-16.26	Peak	6.00	100	H	Pass
5**	15171.250	47.51	11.07	54.0	-6.49	AV	10.00	100	H	Pass
5	15171.250	57.78	11.07	74.0	-16.22	Peak	10.00	100	H	Pass
6**	20546.251	50.10	14.09	54.0	-3.90	AV	14.00	100	H	Pass
6	20546.251	58.93	14.09	74.0	-15.07	Peak	14.00	100	H	Pass

Test Time: 2019-05-17_14.38.59

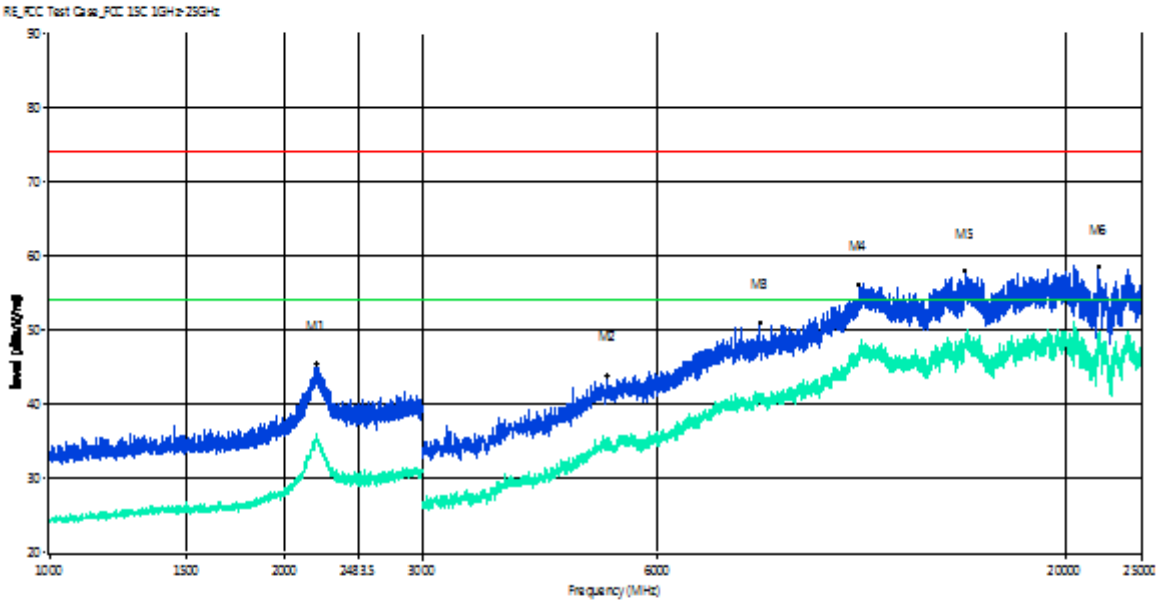
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	G_L	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	
		Manufacturer:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1406.000	25.34	-17.26	54.0	-28.66	AV	15.00	100	V	Pass
1	1406.000	36.64	-17.26	74.0	-37.36	Peak	15.00	100	V	Pass
2**	5007.500	33.95	-2.48	54.0	-20.05	AV	15.00	100	V	Pass
2	5007.500	43.67	-2.48	74.0	-30.33	Peak	15.00	100	V	Pass
3**	7780.000	39.48	4.22	54.0	-14.52	AV	3.00	100	V	Pass
3	7780.000	50.06	4.22	74.0	-23.94	Peak	3.00	100	V	Pass
4**	11022.500	47.54	10.87	54.0	-6.46	AV	14.00	100	V	Pass
4	11022.500	56.63	10.87	74.0	-17.37	Peak	14.00	100	V	Pass
5**	14212.500	46.73	11.74	54.0	-7.27	AV	1.00	100	V	Pass
5	14212.500	57.91	11.74	74.0	-16.09	Peak	1.00	100	V	Pass
6**	20570.751	50.28	14.13	54.0	-3.72	AV	6.00	100	V	Pass
6	20570.751	58.45	14.13	74.0	-15.55	Peak	6.00	100	V	Pass

Test Time: 2019-05-20_14.33.53

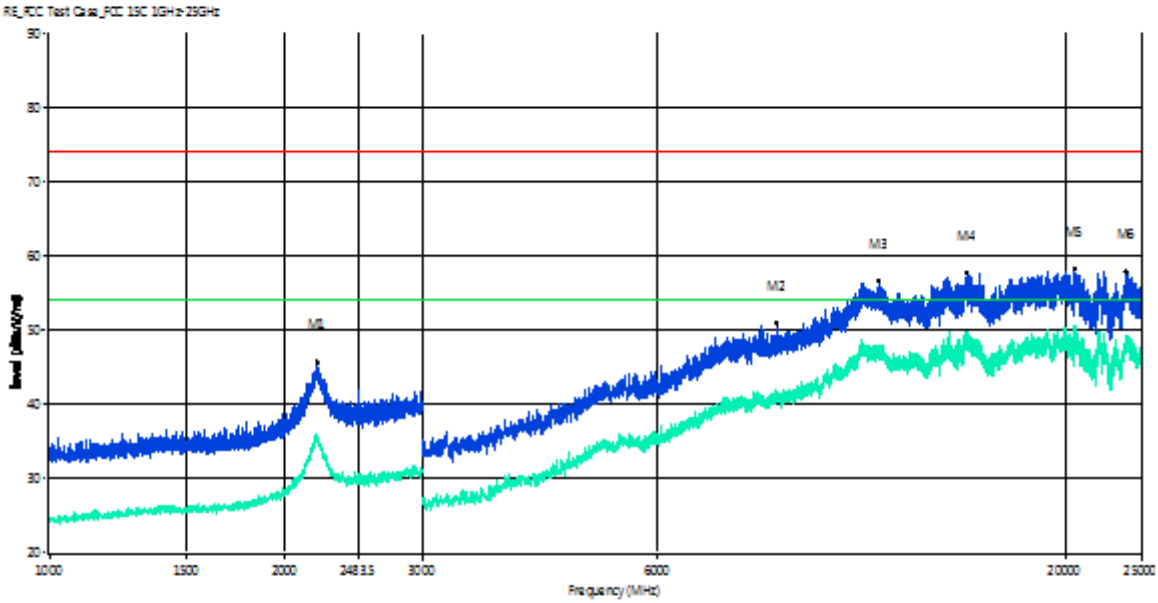
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	G_M	Test Standard:	FCC 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2195.500	35.38	-7.45	54.0	-18.62	AV	13.00	100	H	Pass
1	2195.500	45.40	-7.45	74.0	-28.60	Peak	13.00	100	H	Pass
2**	5187.500	35.60	-1.82	54.0	-18.40	AV	8.00	100	H	Pass
2	5187.500	43.83	-1.82	74.0	-30.17	Peak	8.00	100	H	Pass
3**	8132.500	40.79	5.24	54.0	-13.21	AV	5.00	100	H	Pass
3	8132.500	51.02	5.24	74.0	-22.98	Peak	5.00	100	H	Pass
4**	10867.500	46.10	10.08	54.0	-7.90	AV	6.00	100	H	Pass
4	10867.500	56.20	10.08	74.0	-17.80	Peak	6.00	100	H	Pass
5**	14895.000	48.19	12.56	54.0	-5.81	AV	9.00	100	H	Pass
5	14895.000	57.95	12.56	74.0	-16.05	Peak	9.00	100	H	Pass
6**	22068.750	48.68	9.88	54.0	-5.32	AV	7.00	100	H	Pass
6	22068.750	58.62	9.88	74.0	-15.38	Peak	7.00	100	H	Pass

Test Time: 2019-05-20_14.35.41

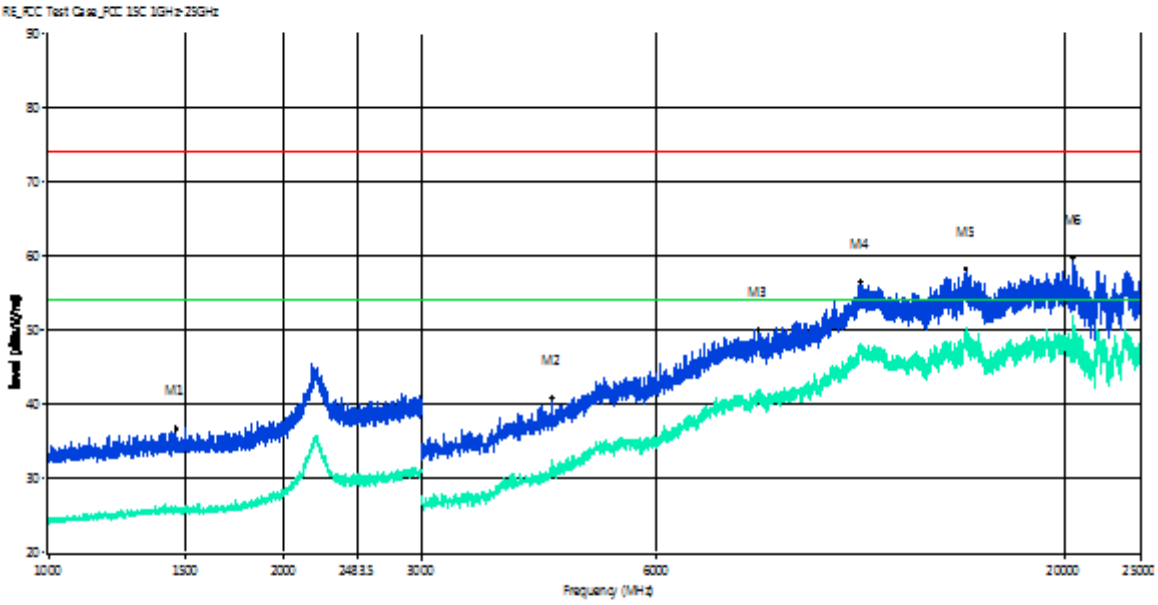
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	G_M	Test Standard:	FCC 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2201.500	35.59	-7.28	54.0	-18.41	AV	12.00	100	V	Pass
1	2201.500	45.66	-7.28	74.0	-28.34	Peak	12.00	100	V	Pass
2**	8540.000	41.36	5.04	54.0	-12.64	AV	3.00	100	V	Pass
2	8540.000	50.90	5.04	74.0	-23.10	Peak	3.00	100	V	Pass
3**	11542.500	47.83	10.98	54.0	-6.17	AV	14.00	100	V	Pass
3	11542.500	56.68	10.98	74.0	-17.32	Peak	14.00	100	V	Pass
4**	14972.500	48.31	12.43	54.0	-5.69	AV	7.00	100	V	Pass
4	14972.500	57.68	12.43	74.0	-16.32	Peak	7.00	100	V	Pass
5**	20542.751	49.61	14.09	54.0	-4.39	AV	3.00	100	V	Pass
5	20542.751	58.26	14.09	74.0	-15.74	Peak	3.00	100	V	Pass
6**	23899.251	48.11	15.08	54.0	-5.89	AV	1.00	100	V	Pass
6	23899.251	57.89	15.08	74.0	-16.11	Peak	1.00	100	V	Pass

Test Time: 2019-05-17_14.42.49

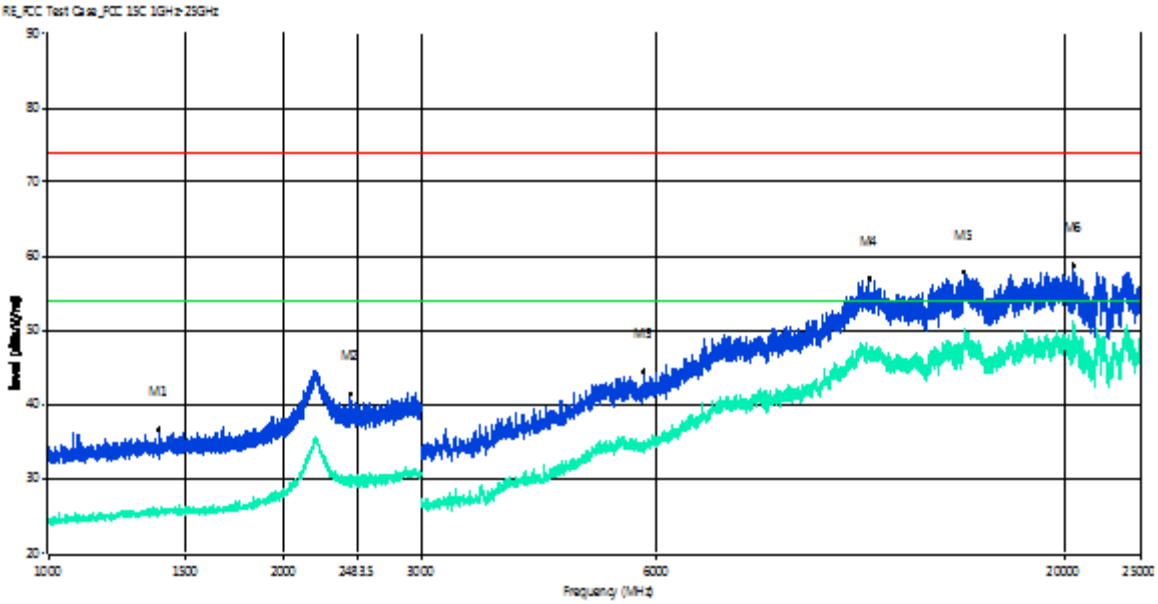
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	G_H	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	
		Manufacturer:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1455.500	25.99	-17.24	54.0	-28.01	AV	9.00	100	H	Pass
1	1455.500	36.71	-17.24	74.0	-37.29	Peak	9.00	100	H	Pass
2**	4415.000	31.34	-5.98	54.0	-22.66	AV	11.00	100	H	Pass
2	4415.000	40.84	-5.98	74.0	-33.16	Peak	11.00	100	H	Pass
3**	8110.000	41.25	5.39	54.0	-12.75	AV	10.00	100	H	Pass
3	8110.000	50.10	5.39	74.0	-23.90	Peak	10.00	100	H	Pass
4**	10967.500	46.97	10.84	54.0	-7.03	AV	9.00	100	H	Pass
4	10967.500	56.57	10.84	74.0	-17.43	Peak	9.00	100	H	Pass
5**	14962.500	48.61	12.45	54.0	-5.39	AV	3.00	100	H	Pass
5	14962.500	58.30	12.45	74.0	-15.70	Peak	3.00	100	H	Pass
6**	20548.000	50.38	14.10	54.0	-3.62	AV	3.00	100	H	Pass
6	20548.000	59.79	14.10	74.0	-14.21	Peak	3.00	100	H	Pass

Test Time: 2019-05-17_14.41.22

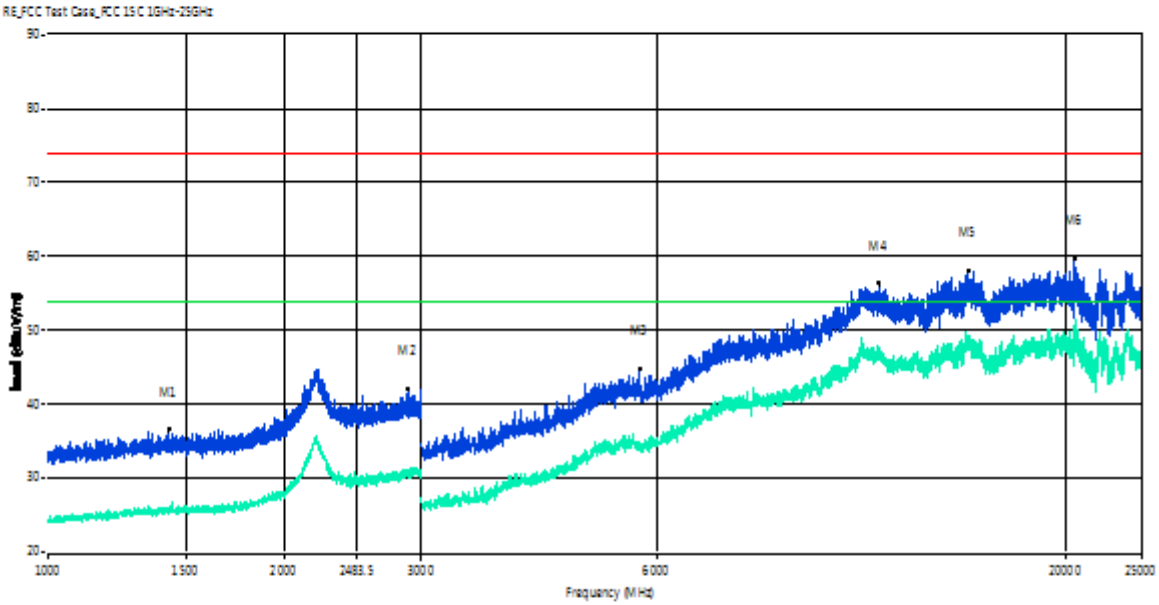
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	G_H	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	
		Manufacturer:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1383.000	25.23	-17.32	54.0	-28.77	AV	15.00	100	V	Pass
1	1383.000	36.67	-17.32	74.0	-37.33	Peak	15.00	100	V	Pass
2**	2436.500	29.70	-12.63	54.0	-24.30	AV	13.00	100	V	Pass
2	2436.500	41.55	-12.63	74.0	-32.45	Peak	13.00	100	V	Pass
3**	5777.500	33.90	-1.43	54.0	-20.10	AV	3.00	100	V	Pass
3	5777.500	44.41	-1.43	74.0	-29.59	Peak	3.00	100	V	Pass
4**	11250.000	46.89	10.37	54.0	-7.11	AV	13.00	100	V	Pass
4	11250.000	56.95	10.37	74.0	-17.05	Peak	13.00	100	V	Pass
5**	14891.250	48.33	12.51	54.0	-5.67	AV	5.00	100	V	Pass
5	14891.250	57.88	12.51	74.0	-16.12	Peak	5.00	100	V	Pass
6**	20530.500	51.09	14.07	54.0	-2.91	AV	7.00	100	V	Pass
6	20530.500	58.77	14.07	74.0	-15.23	Peak	7.00	100	V	Pass

Test Time: 2019-05-17_15.15.41

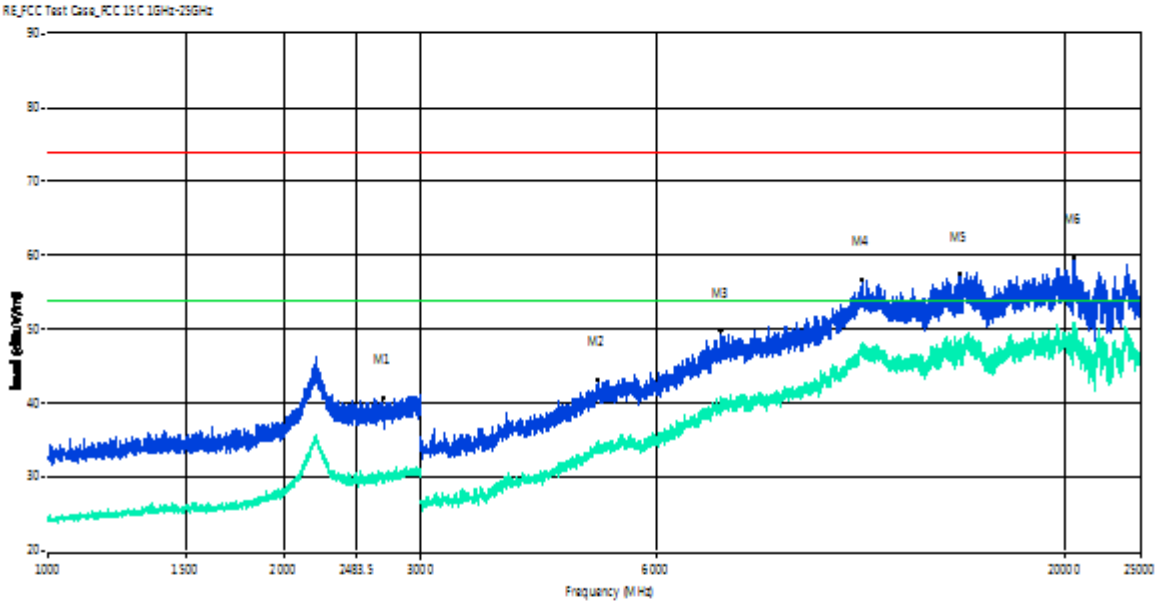
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	8D_L	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	1424.500	25.75	-17.25	54.0	-28.25	AV	4.00	100	H	Pass
1	1424.500	36.58	-17.25	74.0	-37.42	Peak	4.00	100	H	Pass
2**	2888.000	30.77	-11.36	54.0	-23.23	AV	1.00	100	H	Pass
2	2888.000	42.12	-11.36	74.0	-31.88	Peak	1.00	100	H	Pass
3**	5705.000	34.57	-1.48	54.0	-19.43	AV	12.00	100	H	Pass
3	5705.000	44.80	-1.48	74.0	-29.20	Peak	12.00	100	H	Pass
4**	11537.500	47.13	10.96	54.0	-6.87	AV	10.00	100	H	Pass
4	11537.500	56.35	10.96	74.0	-17.65	Peak	10.00	100	H	Pass
5**	15015.000	48.40	12.11	54.0	-5.60	AV	10.00	100	H	Pass
5	15015.000	58.15	12.11	74.0	-15.85	Peak	10.00	100	H	Pass
6**	20535.751	49.96	14.08	54.0	-4.04	AV	13.00	100	H	Pass
6	20535.751	59.78	14.08	74.0	-14.22	Peak	13.00	100	H	Pass

Test Time: 2019-05-17_15.14.10

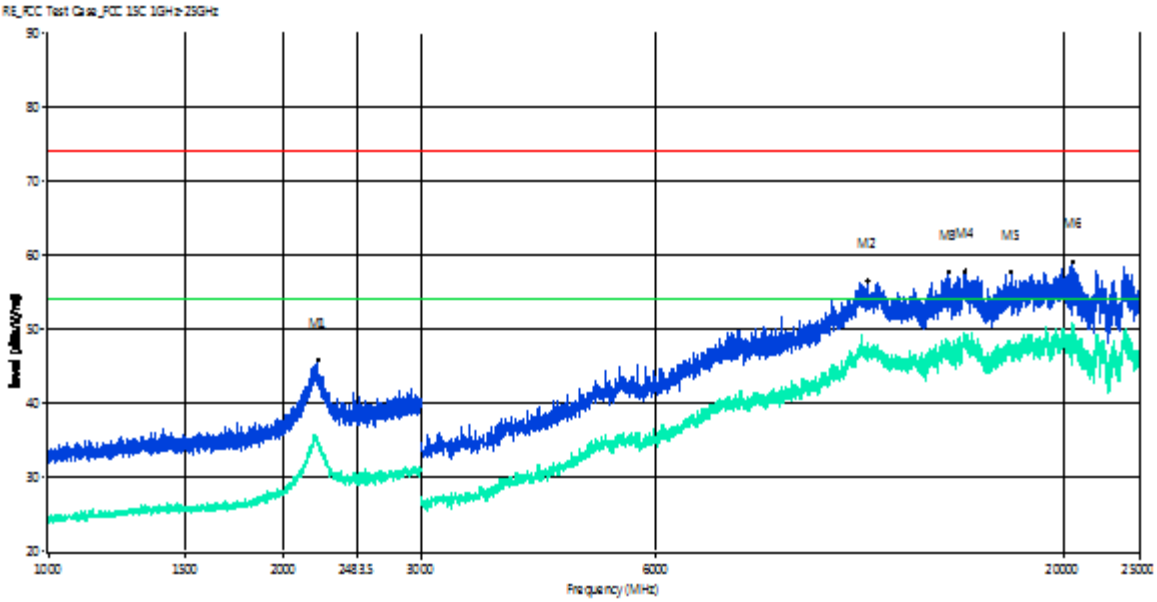
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	8D_L	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2676.000	29.87	-12.07	54.0	-24.13	AV	15.00	100	V	Pass
1	2676.000	40.71	-12.07	74.0	-33.29	Peak	15.00	100	V	Pass
2**	5052.500	34.25	-2.17	54.0	-19.75	AV	15.00	100	V	Pass
2	5052.500	43.30	-2.17	74.0	-30.70	Peak	15.00	100	V	Pass
3**	7255.000	39.50	4.12	54.0	-14.50	AV	3.00	100	V	Pass
3	7255.000	49.85	4.12	74.0	-24.15	Peak	3.00	100	V	Pass
4**	11000.001	47.29	10.97	54.0	-6.71	AV	15.00	100	V	Pass
4	11000.001	56.80	10.97	74.0	-17.20	Peak	15.00	100	V	Pass
5**	14675.000	47.49	11.80	54.0	-6.51	AV	10.00	100	V	Pass
5	14675.000	57.58	11.80	74.0	-16.42	Peak	10.00	100	V	Pass
6**	20558.500	50.94	14.11	54.0	-3.06	AV	4.00	100	V	Pass
6	20558.500	59.68	14.11	74.0	-14.32	Peak	4.00	100	V	Pass

Test Time: 2019-05-20_14.31.57

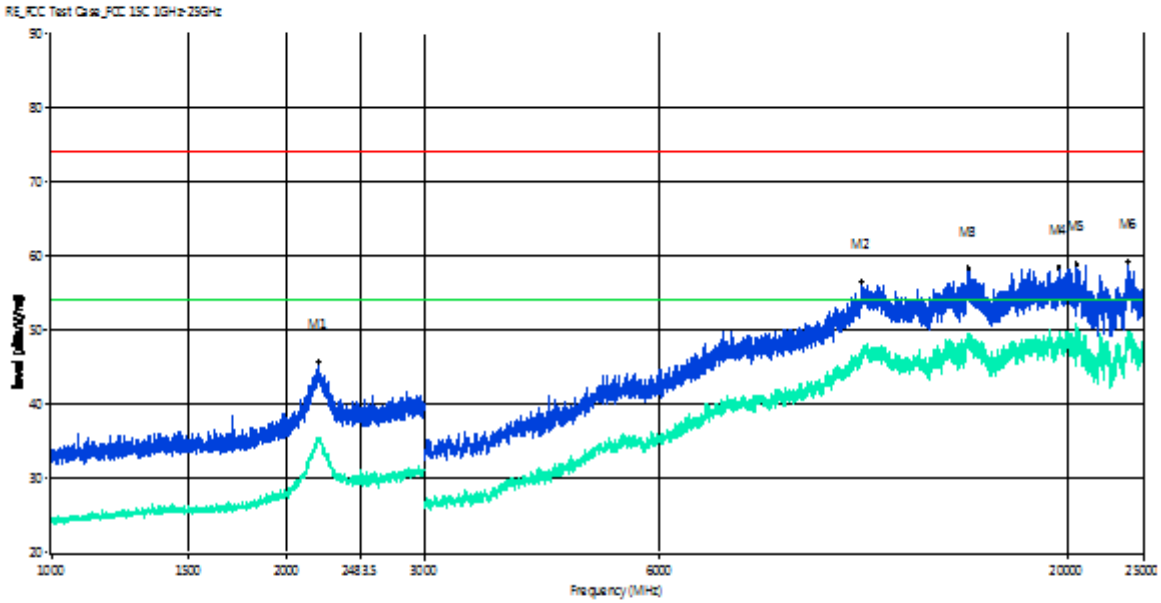
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	8D_M	Test Standard:	FCC 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2213.500	34.98	-7.87	54.0	-19.02	AV	15.00	100	H	Pass
1	2213.500	45.76	-7.87	74.0	-28.24	Peak	15.00	100	H	Pass
2**	11237.500	47.18	10.40	54.0	-6.82	AV	2.00	100	H	Pass
2	11237.500	56.53	10.40	74.0	-17.47	Peak	2.00	100	H	Pass
3**	14222.500	48.08	11.75	54.0	-5.92	AV	1.00	100	H	Pass
3	14222.500	57.66	11.75	74.0	-16.34	Peak	1.00	100	H	Pass
4**	14967.500	48.76	12.44	54.0	-5.24	AV	2.00	100	H	Pass
4	14967.500	57.82	12.44	74.0	-16.18	Peak	2.00	100	H	Pass
5**	17137.500	47.56	11.27	54.0	-6.44	AV	15.00	100	H	Pass
5	17137.500	57.67	11.27	74.0	-16.33	Peak	15.00	100	H	Pass
6**	20563.751	50.20	14.12	54.0	-3.80	AV	4.00	100	H	Pass
6	20563.751	59.12	14.12	74.0	-14.88	Peak	4.00	100	H	Pass

Test Time: 2019-05-20_14.30.05

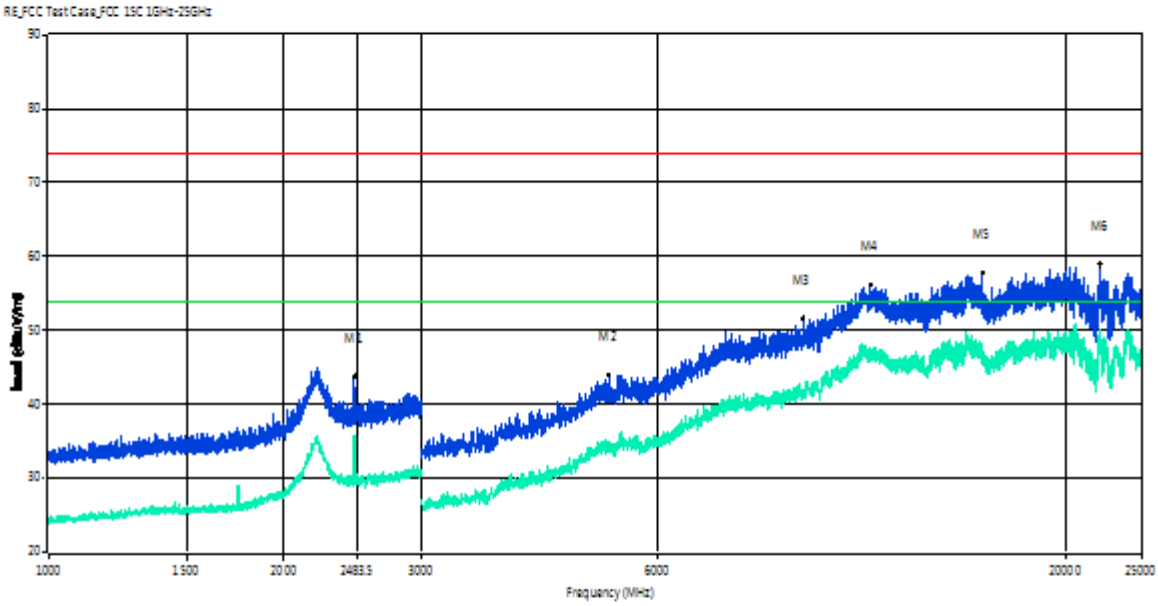
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	8D_M	Test Standard:	FCC 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2195.000	35.02	-7.47	54.0	-18.98	AV	2.00	100	V	Pass
1	2195.000	45.63	-7.47	74.0	-28.37	Peak	2.00	100	V	Pass
2**	10885.000	47.06	10.34	54.0	-6.94	AV	13.00	100	V	Pass
2	10885.000	56.52	10.34	74.0	-17.48	Peak	13.00	100	V	Pass
3**	14912.500	48.36	12.59	54.0	-5.64	AV	3.00	100	V	Pass
3	14912.500	58.27	12.59	74.0	-15.73	Peak	3.00	100	V	Pass
4**	19522.501	48.09	17.27	54.0	-5.91	AV	12.00	100	V	Pass
4	19522.501	58.52	17.27	74.0	-15.48	Peak	12.00	100	V	Pass
5**	20534.000	50.17	14.08	54.0	-3.83	AV	9.00	100	V	Pass
5	20534.000	58.91	14.08	74.0	-15.09	Peak	9.00	100	V	Pass
6**	23955.249	48.52	15.08	54.0	-5.48	AV	1.00	100	V	Pass
6	23955.249	59.15	15.08	74.0	-14.85	Peak	1.00	100	V	Pass

Test Time: 2019-05-17_15.17.07

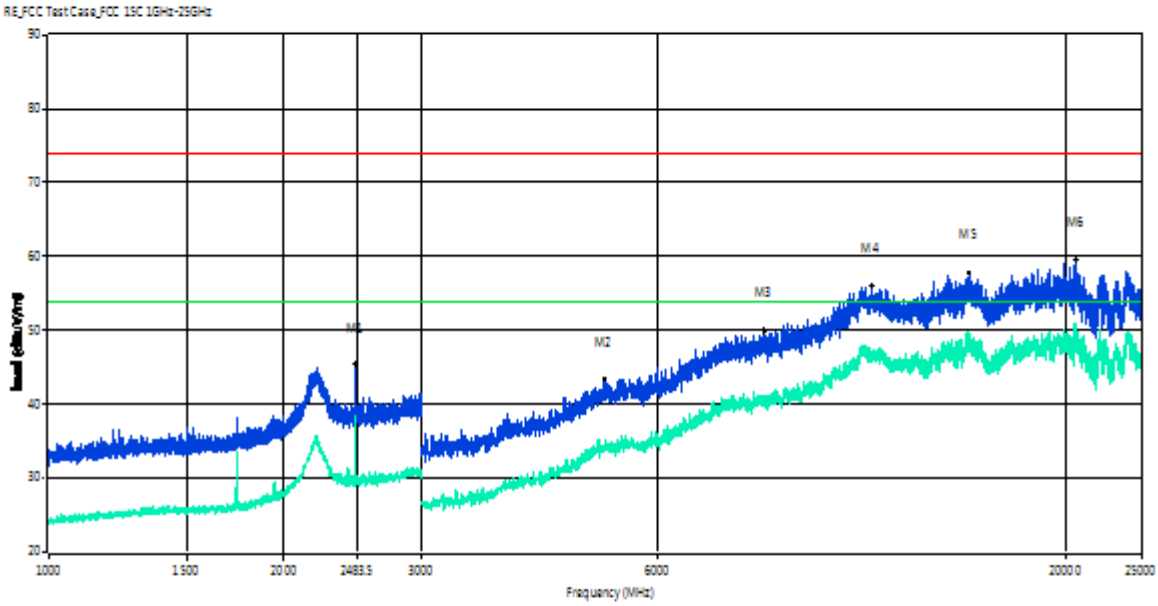
EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	8D_H	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2459.000	30.24	-12.54	54.0	-23.76	AV	13.00	100	H	Pass
1	2459.000	43.78	-12.54	74.0	-30.22	Peak	13.00	100	H	Pass
2**	5205.000	34.30	-1.84	54.0	-19.70	AV	8.00	100	H	Pass
2	5205.000	43.98	-1.84	74.0	-30.02	Peak	8.00	100	H	Pass
3**	9215.000	41.89	5.04	54.0	-12.11	AV	9.00	100	H	Pass
3	9215.000	51.71	5.04	74.0	-22.29	Peak	9.00	100	H	Pass
4**	11239.999	47.15	10.39	54.0	-6.85	AV	5.00	100	H	Pass
4	11239.999	56.20	10.39	74.0	-17.80	Peak	5.00	100	H	Pass
5**	15633.750	47.16	10.55	54.0	-6.84	AV	9.00	100	H	Pass
5	15633.750	57.83	10.55	74.0	-16.17	Peak	9.00	100	H	Pass
6**	22123.000	48.88	9.88	54.0	-5.12	AV	6.00	100	H	Pass
6	22123.000	58.88	9.88	74.0	-15.12	Peak	6.00	100	H	Pass

Test Time: 2019-05-17_15.18.53

EUT Name:	PORTABLE COLUMU ARRAY SYSTEM	Test Engineer:	Michael
Mode:	8D_H	Test Standard:	FCC Part 15C
Model:	VX8.1	Work Addition:	Normal
Temp.(oC):	25	Load:	
Hum.:	65%	Remark:	



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1**	2467.000	38.39	-12.50	54.0	-15.61	AV	10.00	100	V	Pass
1	2467.000	45.37	-12.50	74.0	-28.63	Peak	10.00	100	V	Pass
2**	5137.500	34.24	-1.84	54.0	-19.76	AV	14.00	100	V	Pass
2	5137.500	43.41	-1.84	74.0	-30.59	Peak	14.00	100	V	Pass
3**	8215.000	40.70	4.77	54.0	-13.30	AV	13.00	100	V	Pass
3	8215.000	49.97	4.77	74.0	-24.03	Peak	13.00	100	V	Pass
4**	11290.000	46.62	10.27	54.0	-7.38	AV	14.00	100	V	Pass
4	11290.000	56.06	10.27	74.0	-17.94	Peak	14.00	100	V	Pass
5**	15041.250	48.82	11.68	54.0	-5.18	AV	11.00	100	V	Pass
5	15041.250	57.86	11.68	74.0	-16.14	Peak	11.00	100	V	Pass
6**	20569.000	50.64	14.13	54.0	-3.36	AV	1.00	100	V	Pass
6	20569.000	59.55	14.13	74.0	-14.45	Peak	1.00	100	V	Pass

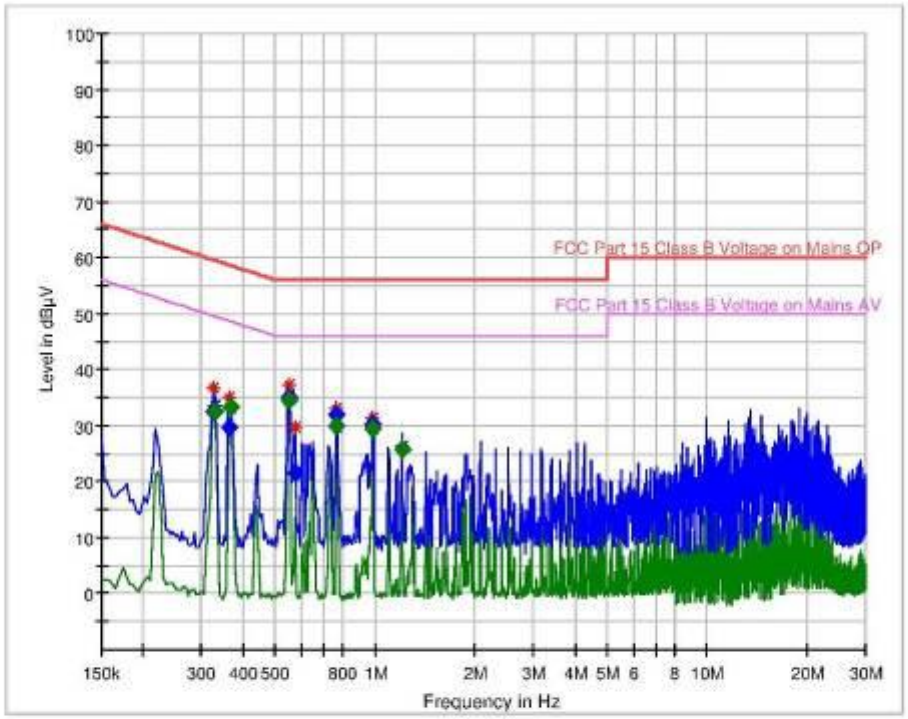
TUV Rheinland (Guangdong) Ltd. EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

Common Information

Manufacturer:	Samson(Seikaku)
Test Item:	Active Speaker
Identification:	VX8.1
Test Standard:	FCC Part 15
Test Detail:	Conducted Emission
Operation Mode:	A
Climate Condition:	20 ℃, 50 %, 100 k Pa
Test Voltage/ Freq.:	AC 120V/60Hz
Port / Line:	AC mains
Receipt No.:	170106827
Report No.:	/
Result:	Pass
Comment:	/
Hardware Setup:	1phase LISN ENV216 to ESCI 3
Level Unit:	dBµV

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCI 3



Tested by: Chris Liang 20190412 Reviewed by: Jacky Chen 20190412

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.326000	32.47	---	59.55	27.08	1000.	9.000	N	OFF	9.7
0.330000	---	32.35	49.45	17.10	1000.	9.000	N	OFF	9.7
0.362000	29.72	---	58.68	28.96	1000.	9.000	L1	OFF	9.8
0.366000	---	33.28	48.59	15.31	1000.	9.000	L1	OFF	9.8
0.550000	---	34.34	46.00	11.66	1000.	9.000	N	OFF	9.7
0.550000	34.99	---	56.00	21.01	1000.	9.000	N	OFF	9.7
0.574000	21.59	---	56.00	34.41	1000.	9.000	L1	OFF	9.9
0.766000	31.98	---	56.00	24.02	1000.	9.000	L1	OFF	9.9
0.766000	---	29.83	46.00	16.17	1000.	9.000	N	OFF	9.7
0.986000	30.33	---	56.00	25.67	1000.	9.000	L1	OFF	10.0
0.986000	---	29.34	46.00	16.66	1000.	9.000	L1	OFF	10.0
1.206000	---	25.85	46.00	20.15	1000.	9.000	L1	OFF	10.0

Tested by: Chris Liang 20190412 Reviewed by: Jacky Chen 20190412

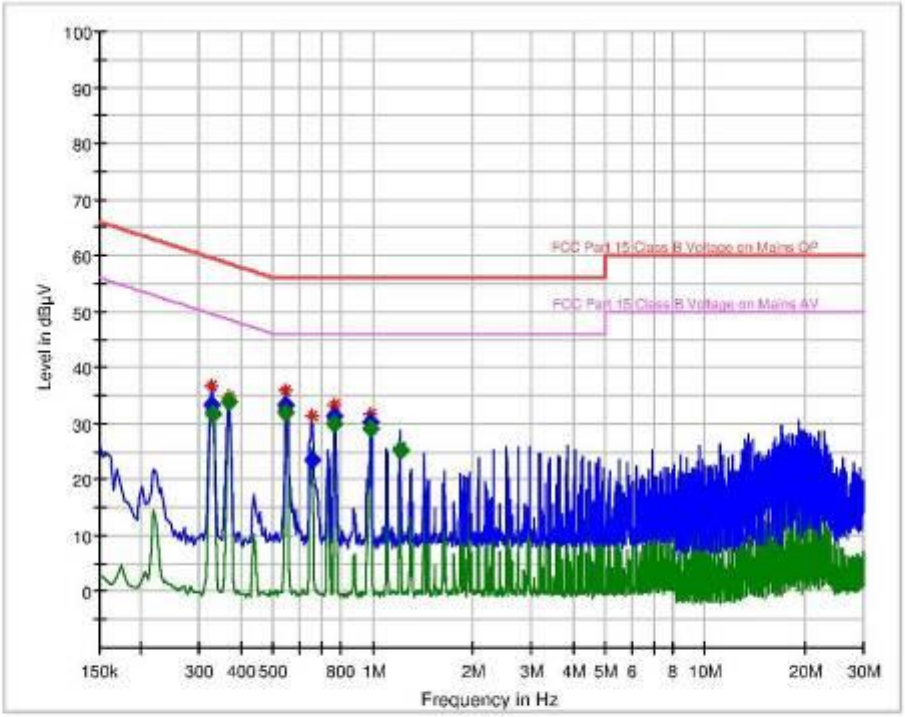
TUV Rheinland (Guangdong) Ltd. EMC Test Service Hotline: +86-20-28391188

EMC Test Record (EMISSION)

Common Information

Manufacturer:	Samson(Seikaku)
Test Item:	Active Speaker
Identification:	VX8.1
Test Standard:	FCC Part 15
Test Detail:	Conducted Emission
Operation Mode:	A
Climate Condition:	20 ℃, 50 %, 100 k Pa
Test Voltage/ Freq.:	AC 230V/50Hz
Port / Line:	AC mains
Receipt No.:	170106827
Report No.:	/
Result:	Pass
Comment:	/
Hardware Setup:	1phase LISN ENV216 to ESCI 3
Level Unit:	dBµV

Subrange	Detectors	IF Bandwidth	Step Size	Meas. Time	Receiver
150kHz - 30MHz	Peak; Average	9kHz	4.5kHz	10ms	ESCI 3



Tested by: Chris Liang 20190412 Reviewed by: Jacky Chen 20190412

TUV Rheinland (Guangdong) Ltd.

EMC Test Service Hotline: +86-20-28391188

Final_Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.326000	33.45	---	59.55	26.10	1000.	9.000	N	OFF	9.7
0.330000	---	31.77	49.45	17.68	1000.	9.000	N	OFF	9.7
0.366000	---	33.94	48.59	14.65	1000.	9.000	L1	OFF	9.8
0.366000	33.76	---	58.59	24.83	1000.	9.000	L1	OFF	9.8
0.546000	---	31.99	46.00	14.01	1000.	9.000	N	OFF	9.7
0.546000	33.29	---	56.00	22.71	1000.	9.000	N	OFF	9.7
0.654000	23.53	---	56.00	32.47	1000.	9.000	N	OFF	9.7
0.766000	---	29.90	46.00	16.10	1000.	9.000	N	OFF	9.7
0.766000	31.48	---	56.00	24.52	1000.	9.000	N	OFF	9.7
0.986000	30.16	---	56.00	25.84	1000.	9.000	L1	OFF	10.0
0.986000	---	29.12	46.00	16.88	1000.	9.000	L1	OFF	10.0
1.206000	---	25.11	46.00	20.89	1000.	9.000	N	OFF	9.7

Tested by: Chris Liang 20190412 Reviewed by: Jody chen 20190412