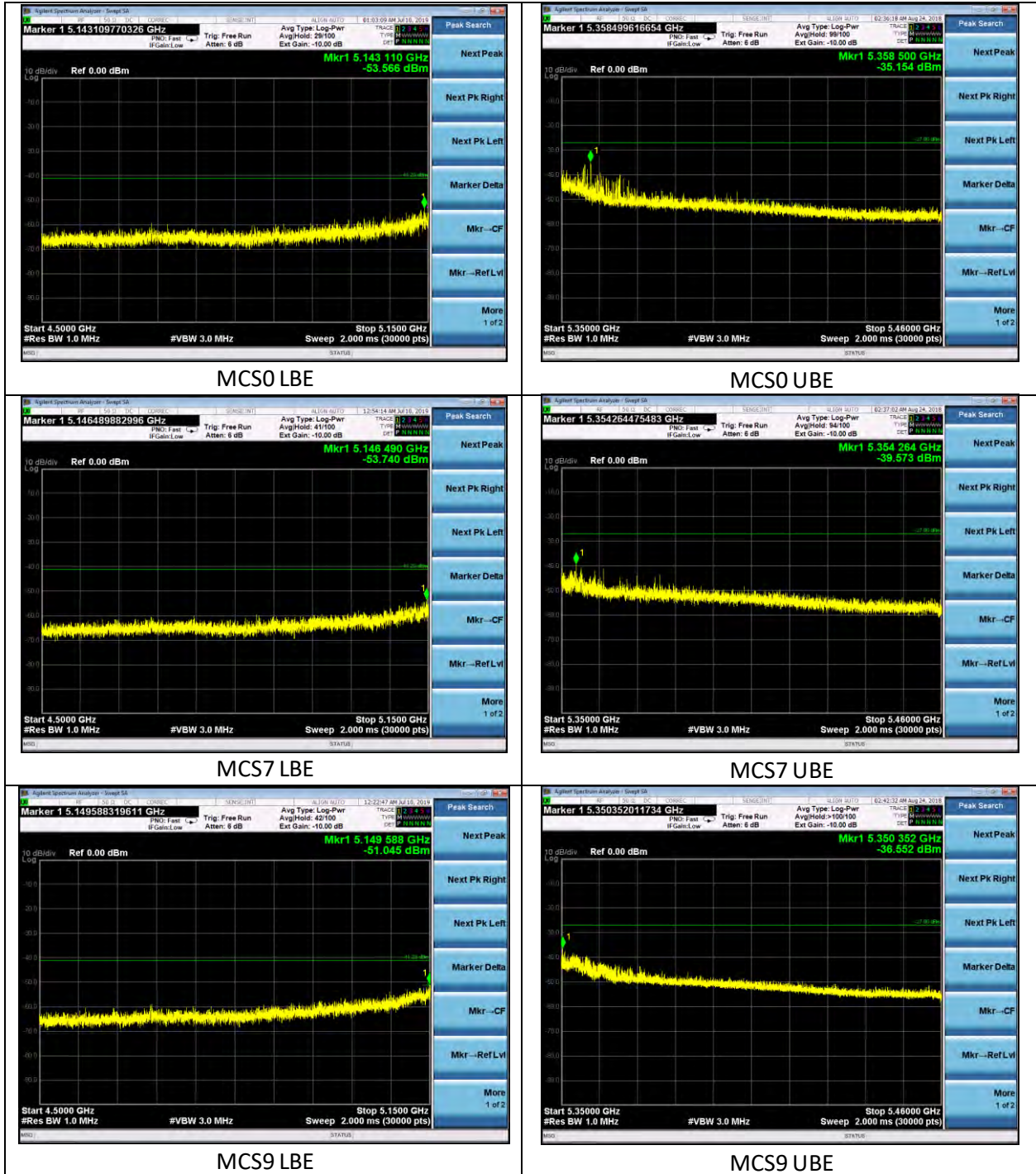
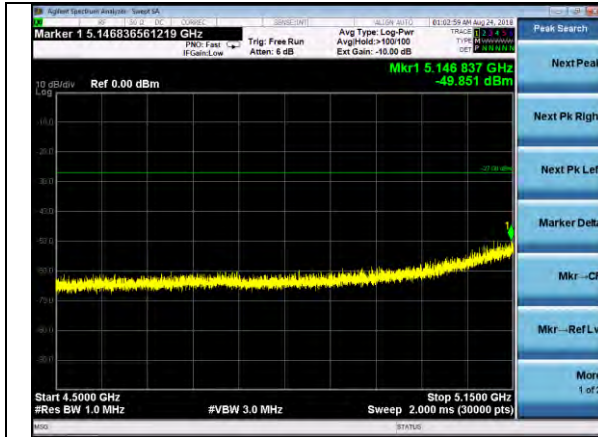


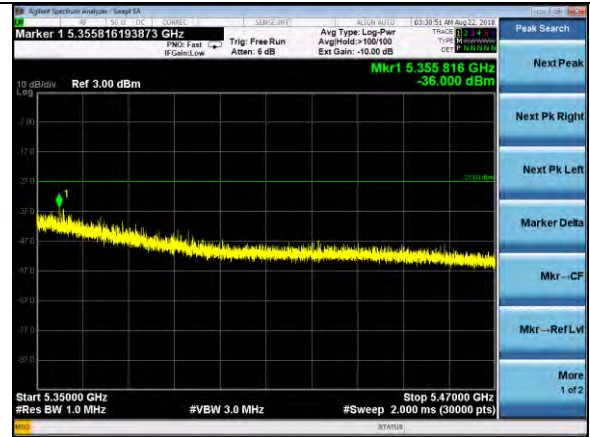


UNII 2A – 80 MHz Peak

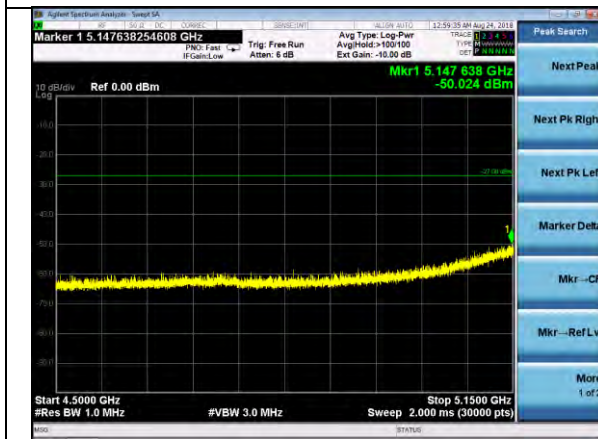
Company: Philips North America LLC		Name: PHC-11AC1-A
Report: 317347A	Page 158 of 228	Model: PHC-11AC1-A
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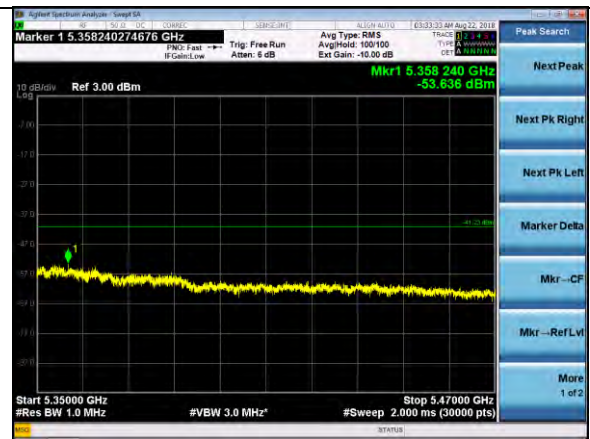
MCS0 LBE



MCS0 UBE

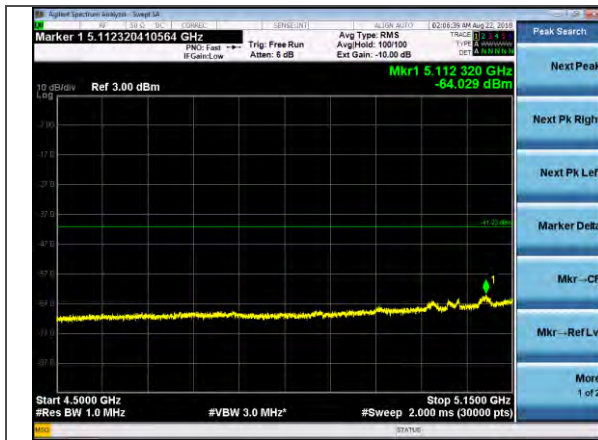


MCS9 LBE



MCS9 UBE

UNII 2A – 20 MHz Average



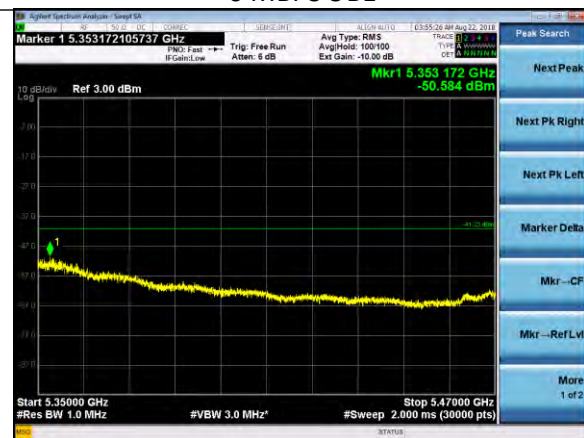
6 MBPS LBE



6 MBPS UBE



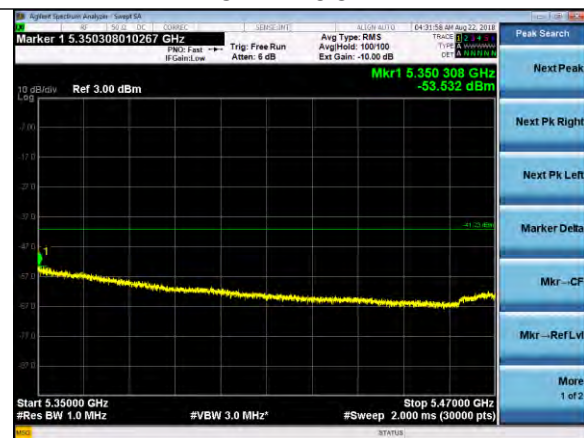
54 MBPS LBE



54 MBPS UBE



MCS0 LBE



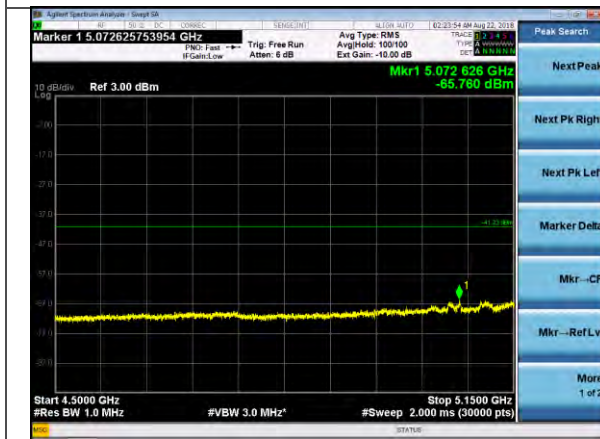
MCS0 UBE



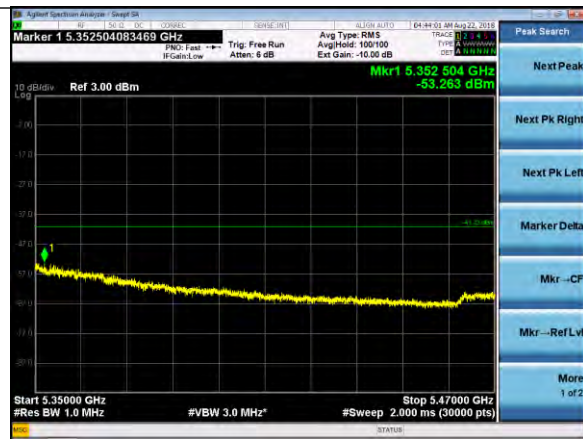
MCS7 LBE



MCS7 UBE

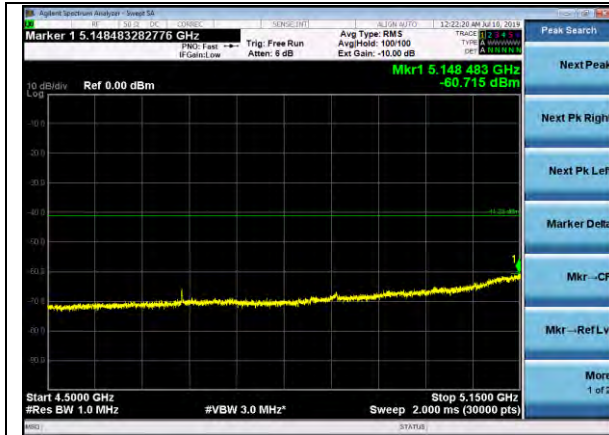


MCS8 LBE

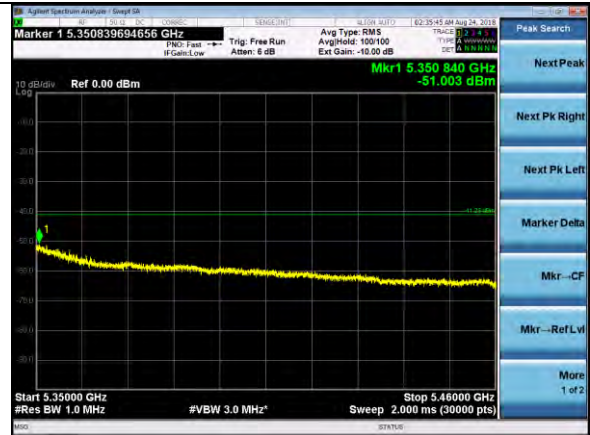


MCS8 UBE

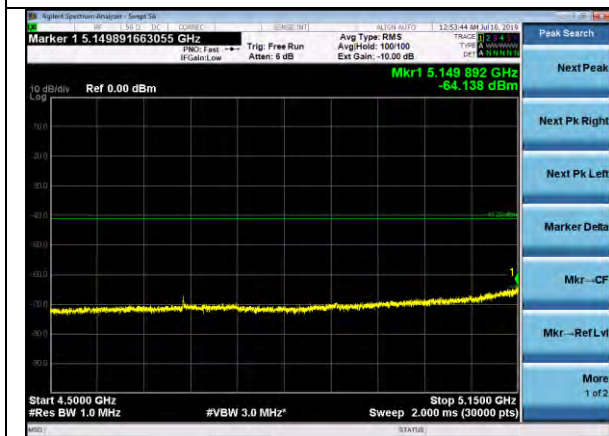
UNII 2A – 40 MHz Average



MCS0 LBE



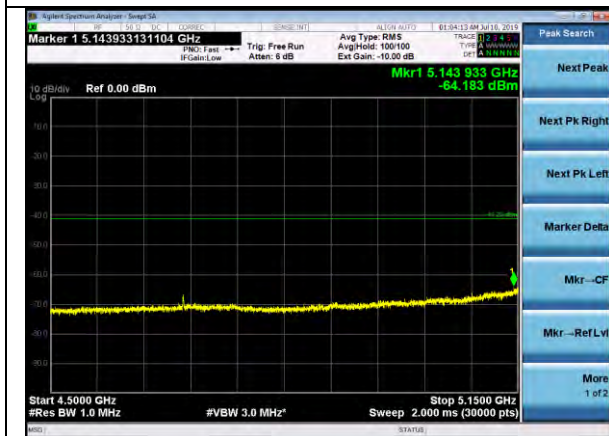
MCS0 UBE



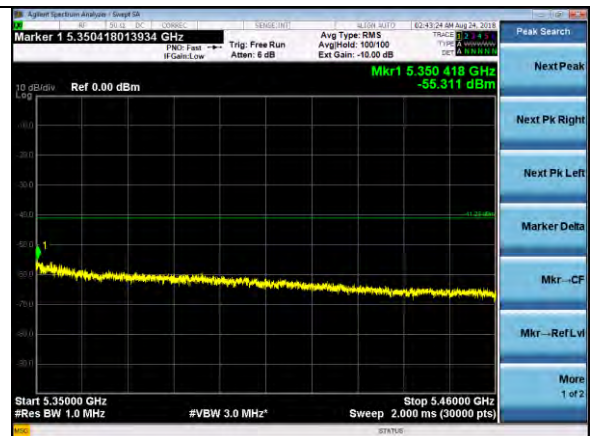
MCS7 LBE



MCS7 UBE

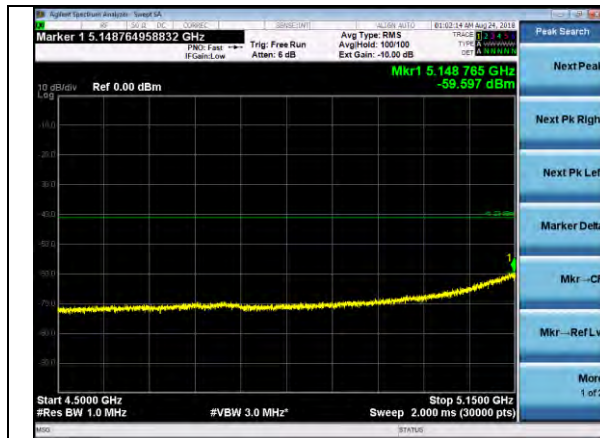


MCS9 LBE

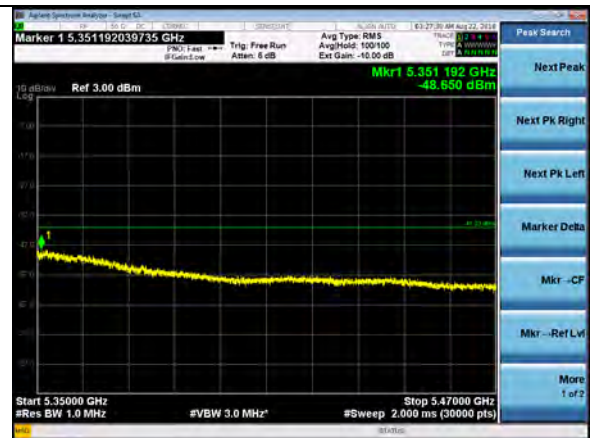


MCS9 UBE

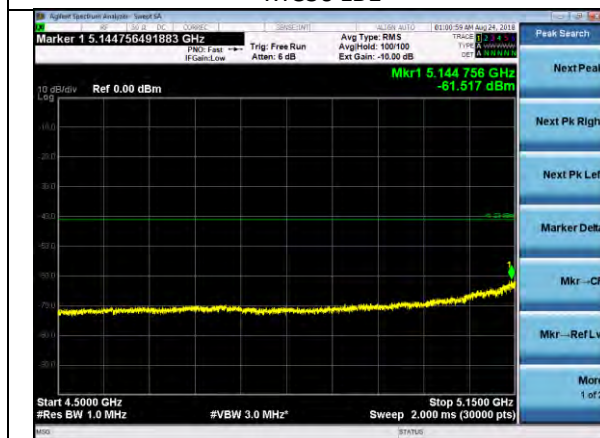
UNII 2A – 80 MHz Average



MCS0 LBE



MCS0 UBE

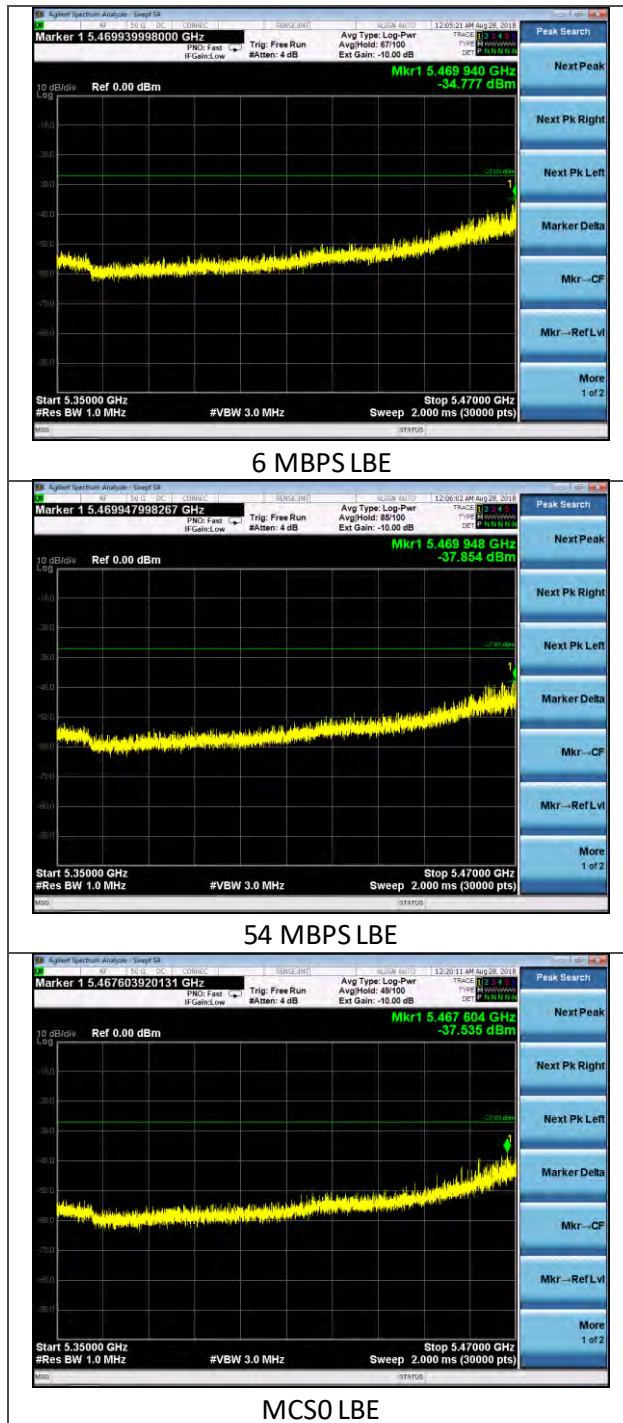


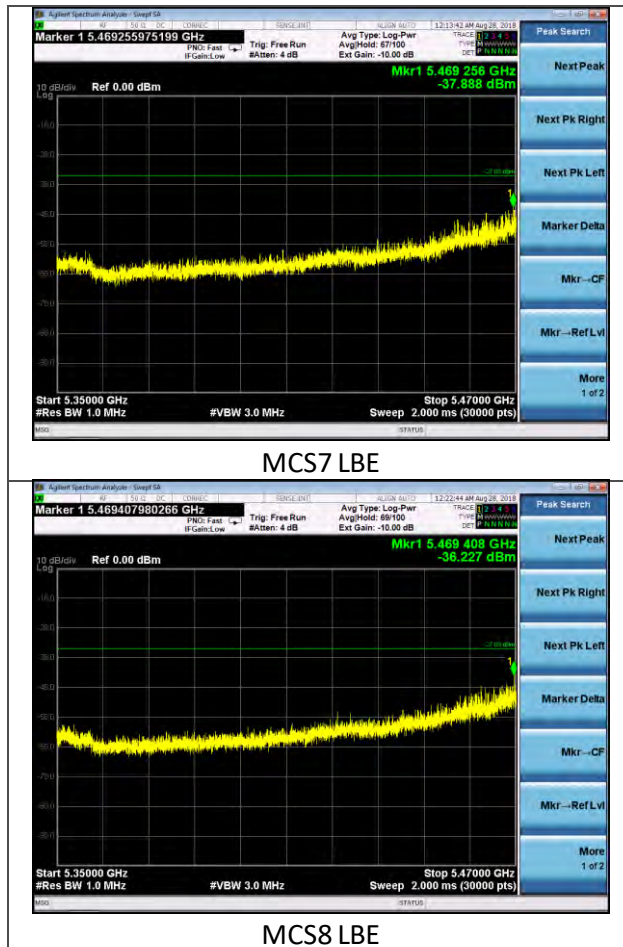
MCS9 LBE



MCS9 UBE

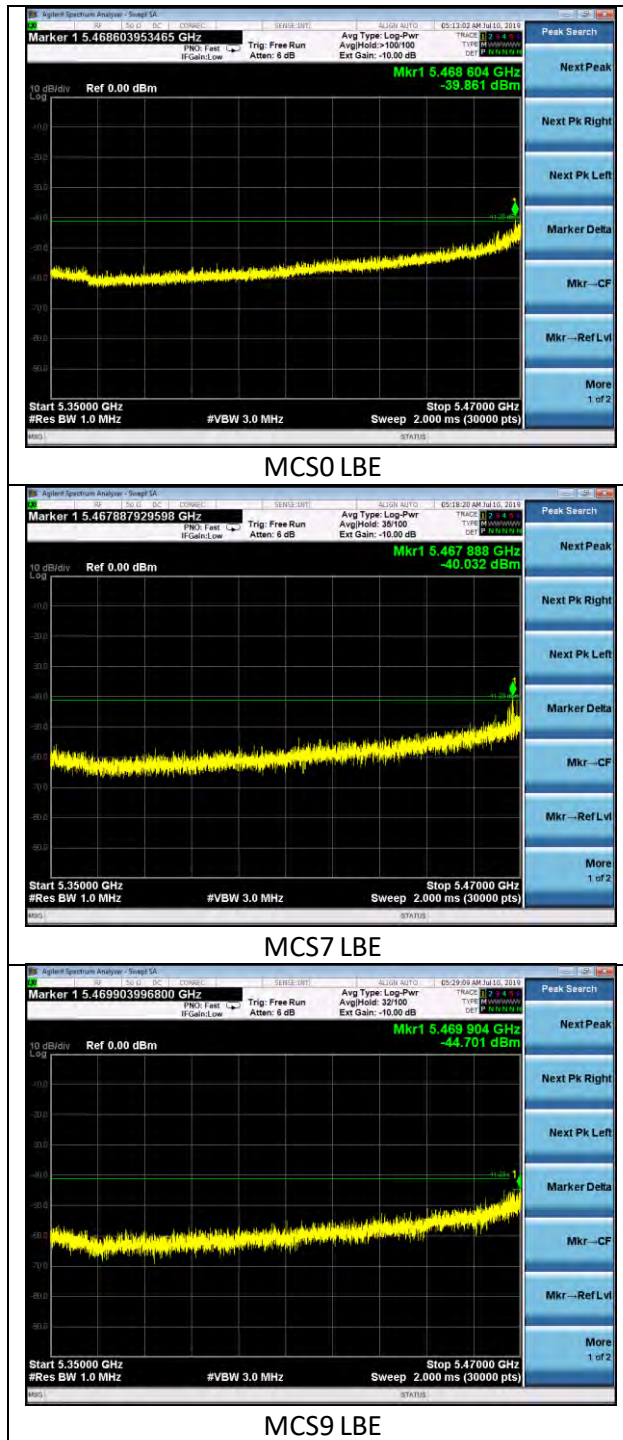
UNII 2C – 20 MHz Peak





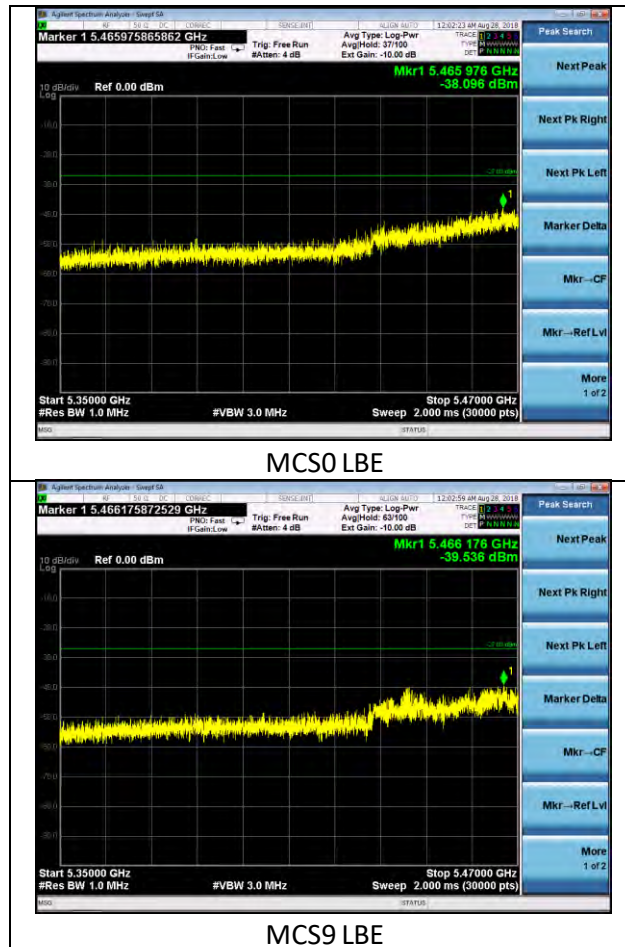
UNII 2C – 40 MHz Peak

Company: Philips North America LLC	Page 165 of 228	Name: PHC-11AC1-A
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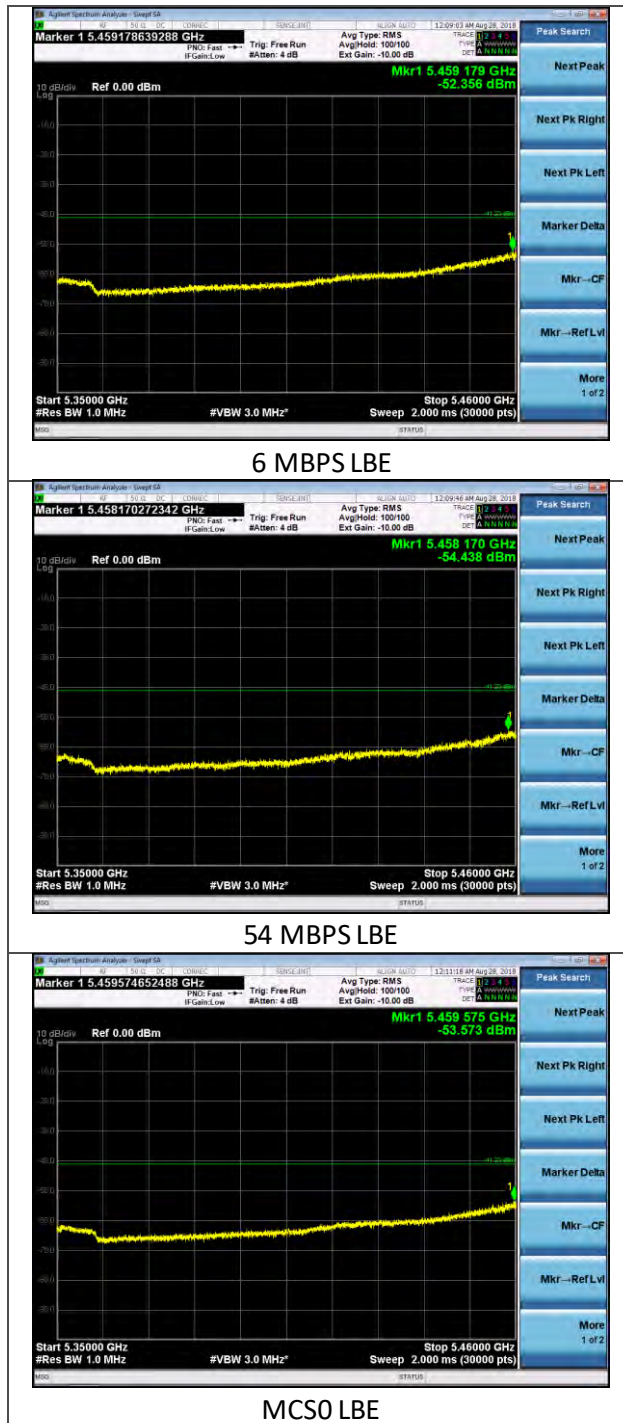
UNII 2C – 80 MHz Peak

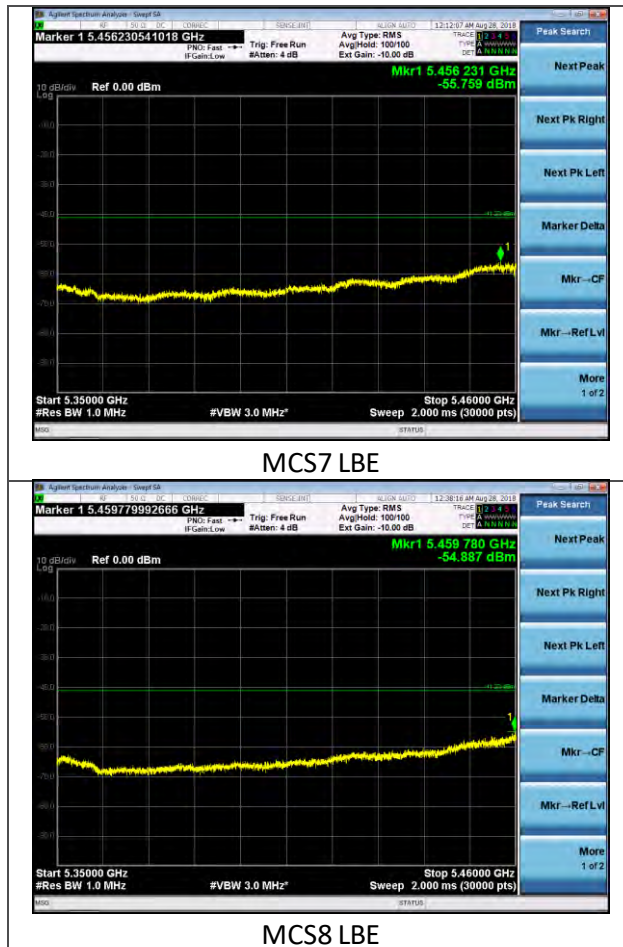
Company: Philips North America LLC	Page 166 of 228	Name: PHC-11AC1-A
Report: 317347A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples



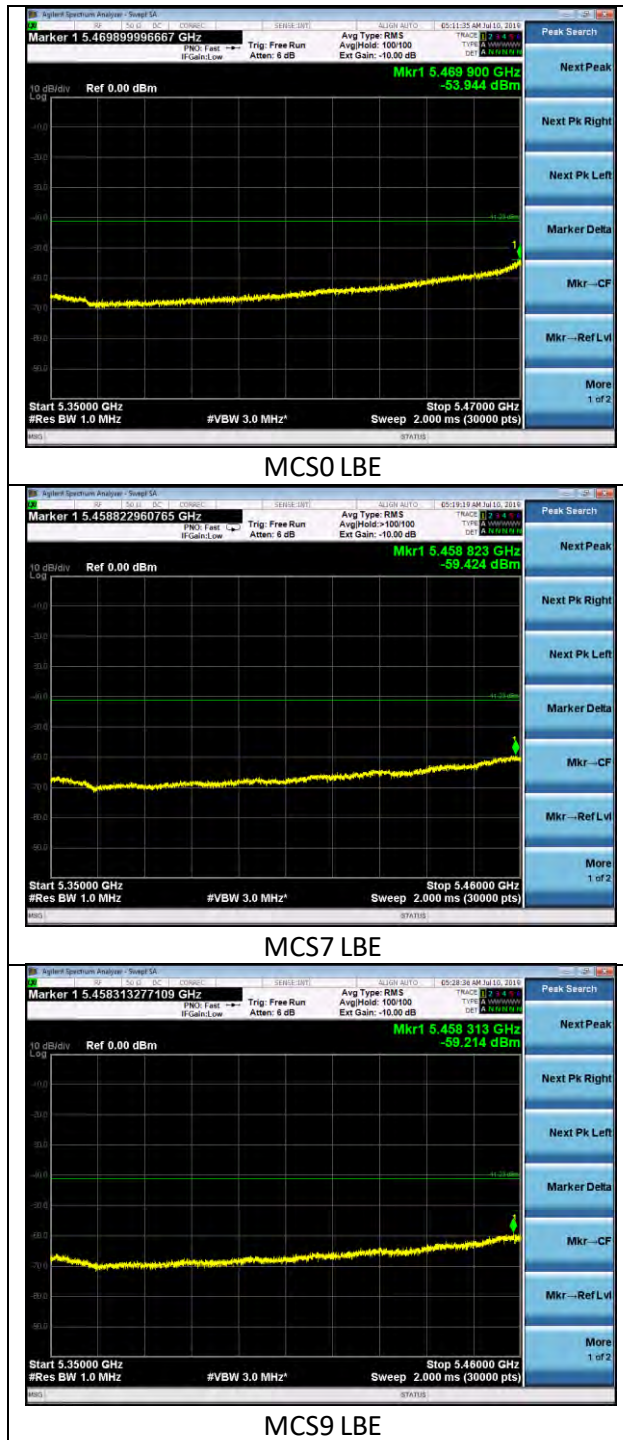
UNII 2C – 20 MHz Average

Company: Philips North America LLC	Page 167 of 228	Name: PHC-11AC1-A
Report: 317347A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples

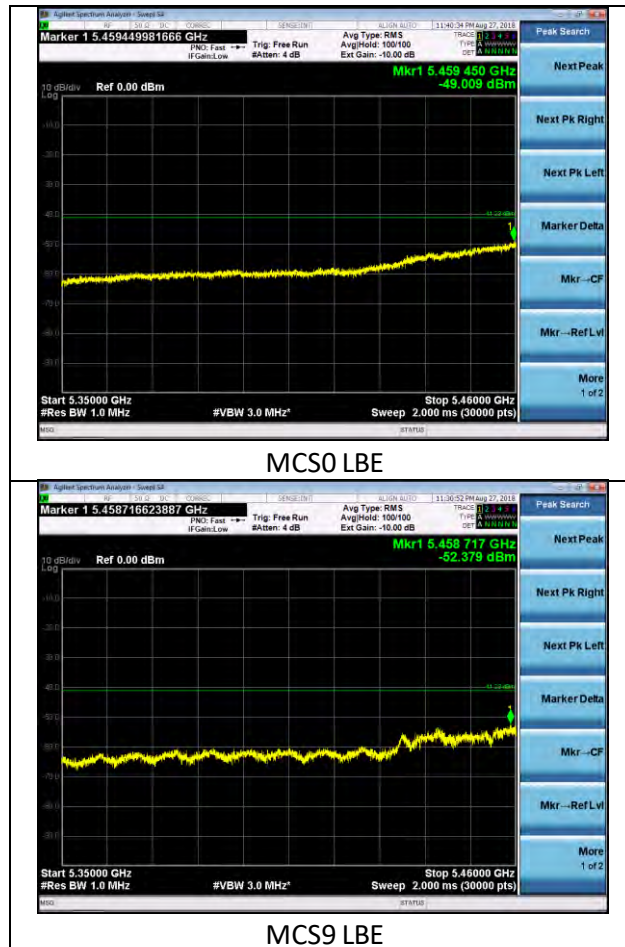




UNII 2C – 40 MHz Average

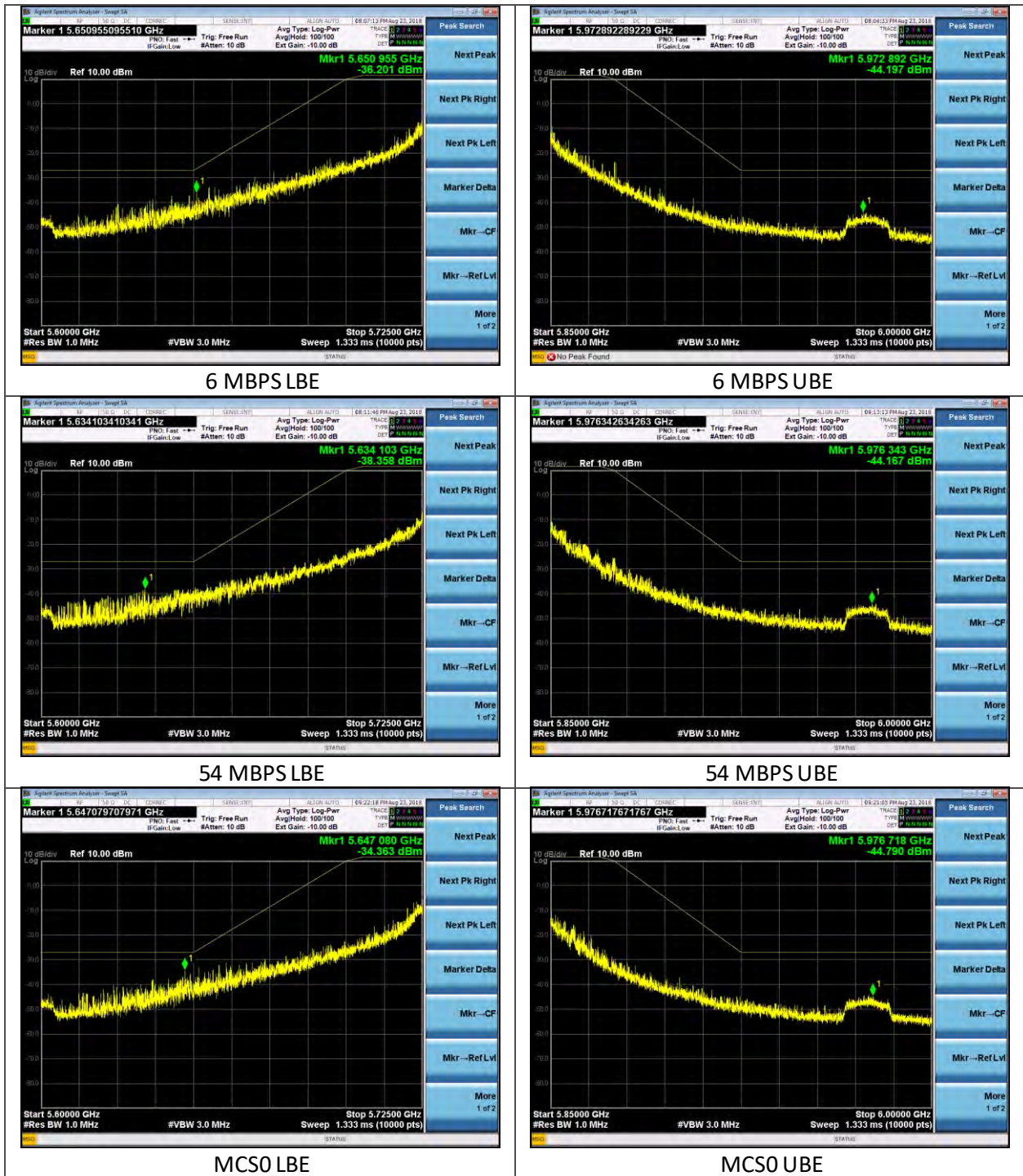


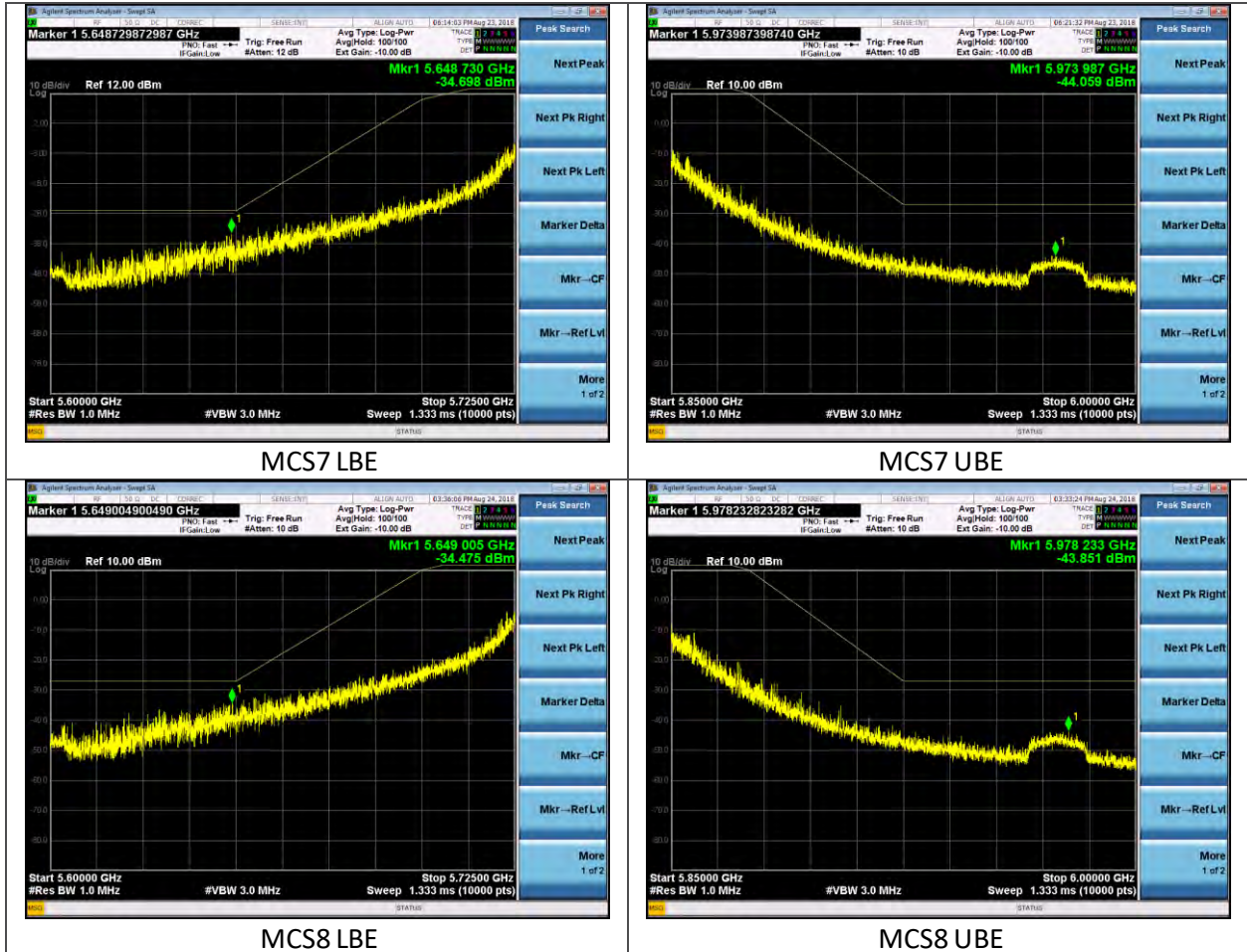
UNII 2C – 80 MHz Average



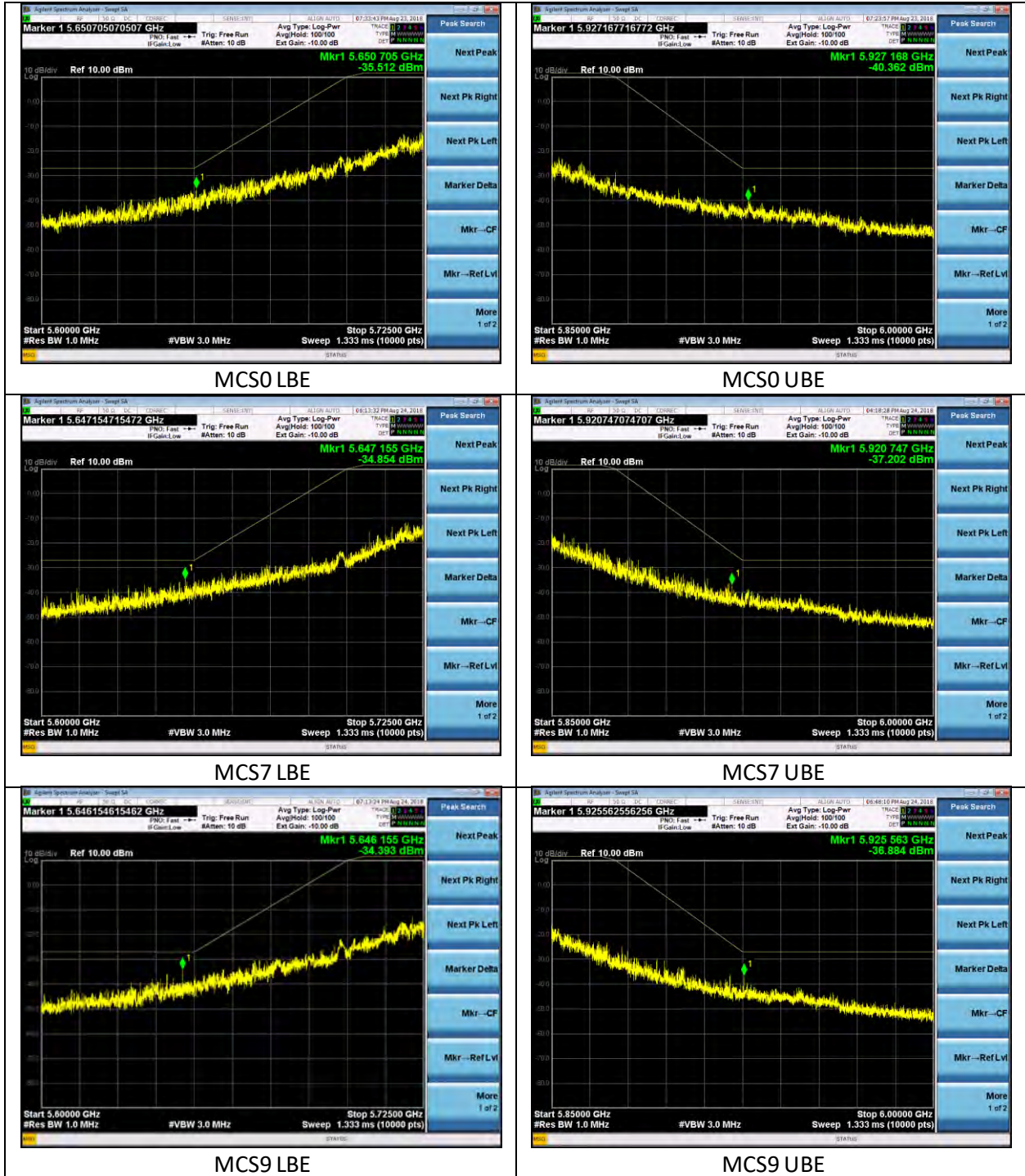
UNII 3 – 20 MHz

Company: Philips North America LLC	Page 171 of 228	Name: PHC-11AC1-A
Report: 317347A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples

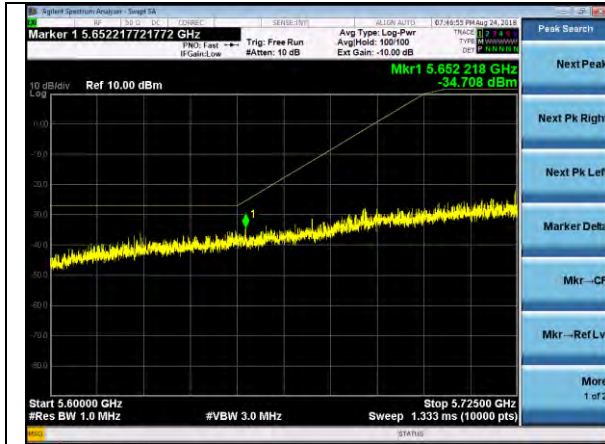




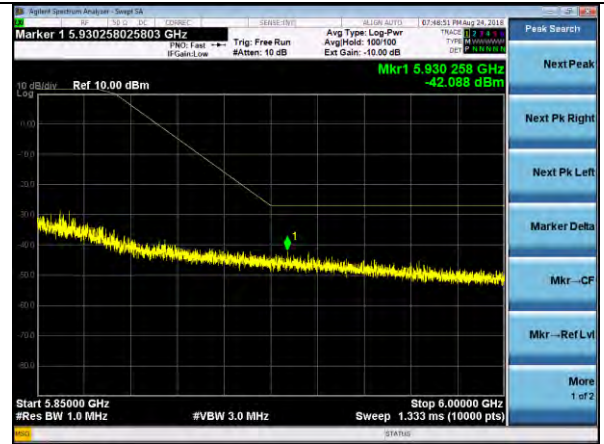
UNII 3 – 40 MHz



UNII 3 – 80 MHz



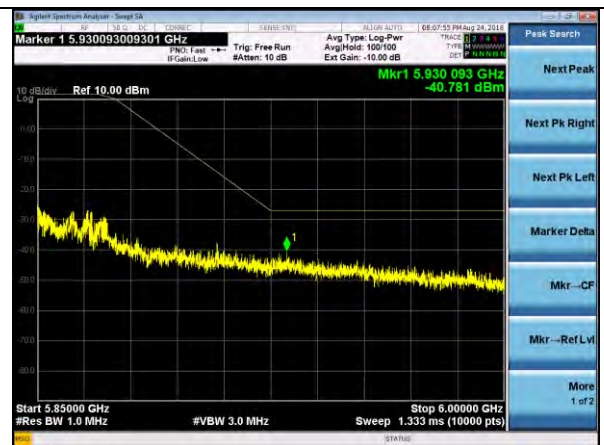
MCS0 LBE



MCS0 UBE



MCS9 LBE



MCS9 UBE

5.2 Radiated Emissions

Description of Measurement	The frequency spectrum is investigated for intentional and / or unintentional signals emanating from the EUT by use of a standardized test site and measurement antenna. The antenna, cable, pre-amp, and other necessary measurement system correction factors are loaded onto the EMI receiver / spectrum analyzer when the measurements are performed allowing the data to be gathered and reported as corrected values. The maximum emissions from the EUT are determined by turn-table azimuth rotation (360°) and scanning of the measurement antenna. Maximized levels are noted at degree values of azimuth, measurement antenna height, and measurement antenna polarity.
Example Calculations	Measurement (dBμV) + Cable factor (dB) + Other (dB) + Antenna Factor (dB/m) = Corrected Reading (dBμV/m) Margin (dB) = Limit (dBμV/m) - Corrected Reading (dBμV/m) Example at 4000 MHz: Reading = 40 dBμV + 3.4 dB + 0.9 dB + 6.5 dB/m = 50.8 dBμV/m Average Limit = 20 log (500) = 54 dBμV/m Margin = 54 dBμV/m - 50.8 dBμV/m = 3.2 dB

Block Diagram



5.2.1 Radiated Emissions

Operator	Anthony Smith, Shane Dock, Jon Dilley	QA	Zach Wilson, Jon Dilley, Laura Zehnder
Temperature	23.8 degrees Celsius	R.H. %	32.4% RH
Test Date	10/8/18 – 5/7/19	Location	Chamber 3, Chamber 5
Requirement	FCC Part 15.407, 15.209 ISED: RSS-247	Method	ANSI C63.10

Limits:

Frequency (MHz)	Quasi Peak Limit (dBμV/m)	Average Limit (dBμV/m)	Peak Limit (dBμV/m)
30-88	40	-	-
88-216	43.5	-	-
216-960	46	-	-
960-1000	54	-	-
1000-25000	-	54	74

Test Parameters

Frequency	30 MHz-40 GHz	Distance	3m
Detector(s)	Quasi-Peak, below 1 GHz Average, Peak above 1 GHz	Table height	0.8 m below 1 GHz 1.5 m above 1 GHz
RBW	120 kHz, below 1 GHz 1 MHz above 1 GHz	VBW	>= 3x RBW
Notes	VBW reduction method used for average measurements. For these, VBW = 30 kHz. Method 12.7.7.3 was utilized		

Instrumentation



Date : 11-Sep-2018 Test : Radiated Emissions Job : C-3013
 PE : Shane Dock Customer : Philips Healthcare Quote : 317347

No.	Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due Date	Equipment Status
1	AA 960176	Cable	A.H. Systems, Inc	SAC-26G-6	395	6/4/2018	6/4/2019	Active Verification
2	EE 960085	Analyzer - EMI Receiver	Agilent	N9038A	MY51210148	4/24/2018	4/24/2019	Active Calibration
3	AA 960153	Filter - High Pass 2.4 GHz	KWM	HPF-L-14186	7272-04	4/25/2018	4/25/2019	Active Calibration
4	EE 960160	Antenna - Low Noise Amplifier	Mini-Circuits	ZVA-213X-S+	977711030	9/12/2018	9/12/2019	Active Calibration
5	AA 960007	Antenna - Double Ridge Horn	EMCO	3115	9311-4138	9/12/2018	9/12/2019	Active Calibration
6	AA 960162	Cable	MegaPhase	EM26-S1S1-120	12024301 001	11/15/2017	11/15/2018	Active Verification
7	AA 960174	Antenna - Small Horn	ETS Lindgren	3116C-PA	00206880	5/15/2018	5/15/2019	Active Calibration
8	EE 960087	Analyzer - Spectrum	Agilent	N9010A	MY53400296	4/25/2018	4/25/2019	Active Calibration
9	AA 960195	Antenna - Log Periodic	A.H. Systems, Inc	SAS-512-2	557	1/30/2018	1/30/2019	Active Calibration
10	AA 960150	Antenna - Biconical	ETS Lindgren	3110B	0003-3346	4/20/2018	4/20/2019	Active Calibration
11	AA 960171	Cable	A.H. Systems, Inc	SAC-26G-6	386	11/15/2017	11/15/2018	Active Verification
12	AA 960161	Filter - Highpass 5 GHz	K&L Microw ave	11SH10-8000	2	4/25/2018	4/25/2019	Active Calibration
13	EE 960160	Antenna - Low Noise Amplifier	Mini-Circuits	ZVA-213X-S+	977711030	9/12/2018	9/12/2019	Active Calibration
14	EE 960088	Analyzer - EMI Receiver	Agilent	N9038A	MY51210138	4/24/2018	4/24/2019	Active Calibration
15	AA 960081	Antenna - Double Ridge Horn	EMCO	3115	6907	4/16/2018	4/16/2019	Active Calibration



Date : 12-Apr-2019 Test : Radiated Spurious Job : C-3160
 PE : Shane Dock Customer : Philips Healthcare Quote : 319013

No.	Asset	Description	Manufacturer	Model	Serial	Cal Date	Cal Due Date	Equipment Status
1	AA 960176	Cable	A.H. Systems, Inc	SAC-26G-6	395	6/4/2018	6/4/2020	Active Verification
2	EE 960085	Analyzer - EMI Receiver	Agilent	N9038A	MY51210148	4/24/2019	4/24/2020	Active Calibration
3	AA 960153	Filter - High Pass 2.4 GHz	KWM	HPF-L-14186	7272-04	4/22/2019	4/22/2020	Active Calibration
4	EE 960160	Antenna - Low Noise Amplifier	Mini-Circuits	ZVA-213X-S+	977711030	9/12/2018	9/12/2019	Active Calibration
5	AA 960007	Antenna - Double Ridge Horn	EMCO	3115	9311-4138	9/12/2018	9/12/2019	Active Calibration
6	AA 960162	Cable	MegaPhase	EM2-S1S1-120	51503501 001	11/12/2018	11/12/2019	Active Verification
7	AA 960174	Antenna - Small Horn	ETS Lindgren	3116C-PA	00206880	5/15/2018	5/15/2020	Active Calibration
8	EE 960087	Analyzer - Spectrum	Agilent	N9010A	MY53400296	4/24/2019	4/24/2020	Active Calibration
9	AA 960195	Antenna - Log Periodic	A.H. Systems, Inc	SAS-512-2	557	1/30/2018	1/30/2020	Active Calibration
10	AA 960150	Antenna - Biconical	ETS Lindgren	3110B	0003-3346	4/20/2018	4/20/2020	Active Calibration
11	AA 960171	Cable	A.H. Systems, Inc	SAC-26G-6	386	11/12/2018	11/12/2019	Active Verification
12	AA 960161	Filter - Highpass 5 GHz	K&L Microw ave	11SH10-8000	2	4/22/2019	4/22/2020	Active Calibration
13	EE 960160	Antenna - Low Noise Amplifier	Mini-Circuits	ZVA-213X-S+	977711030	9/12/2018	9/12/2019	Active Calibration
14	EE 960088	Analyzer - EMI Receiver	Agilent	N9038A	MY51210138	4/23/2019	4/23/2020	Active Calibration
15	AA 960081	Antenna - Double Ridge Horn	EMCO	3115	6907	4/16/2018	4/16/2020	Active Calibration

EUT Parameters

Input Power	3.3 VDC	Mode	Tx Modulated Test Mode tuned to UNII 1, UNII 2a, UNII 2C and UNII 3 channels
EUT	See Section 2 for details. EUT tested with the antenna port terminated method.	EUT	6 MBPS data shown for spurious emissions unless otherwise noted, such as band edges (worst-case). For each UNII band, the closest channel to each band edge was used.

Band Edge Tables

UNII 1 Average

Frequency (GHz)	Data Rate	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Average Reading (dBμV/m)	Average Limit (dBμV/m)	Average Margin (dBm)
4.685	6 MBPS	Vertical	Vertical	215	253	43.0	54.0	11.0
5.389	6 MBPS	Vertical	Vertical	215	253	43.3	54.0	10.7
5.070	54 MBPS	Vertical	Vertical	215	253	43.3	54.0	10.7
5.366	54 MBPS	Vertical	Vertical	215	253	43.3	54.0	10.7
5.032	HT20 MCS0	Vertical	Vertical	215	253	42.8	54.0	11.2
5.389	HT20 MCS0	Vertical	Vertical	215	253	42.9	54.0	11.1
5.051	HT20 MCS7	Vertical	Vertical	215	253	43.5	54.0	10.5
5.355	HT20 MCS7	Vertical	Vertical	215	253	43.7	54.0	10.3
4.692	MCS8	Vertical	Vertical	215	253	42.8	54.0	11.2
5.364	MCS8	Vertical	Vertical	215	253	44.0	54.0	10.0
5.050	HT40 MCS0	Vertical	Vertical	215	253	43.1	54.0	10.9
5.395	HT40 MCS0	Vertical	Vertical	215	253	43.4	54.0	10.6
5.037	HT40 MCS7	Vertical	Vertical	215	253	43.2	54.0	10.8
5.394	HT40 MCS7	Vertical	Vertical	215	253	43.1	54.0	10.9
4.681	HT40 MCS9	Vertical	Vertical	215	253	42.6	54.0	11.4
5.404	HT40 MCS9	Vertical	Vertical	215	253	43.5	54.0	10.5
5.040	HT80 MCS0	Vertical	Vertical	215	253	42.9	54.0	11.1
5.365	HT80 MCS0	Vertical	Vertical	215	253	43.6	54.0	10.4
4.685	HT80 MCS9	Vertical	Vertical	215	253	43.3	54.0	10.7
5.351	HT80 MCS9	Vertical	Vertical	215	253	44.1	54.0	9.9

UNII 1 Peak

Frequency (GHz)	Data Rate	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Peak Reading (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dBm)
4.843	6 MBPS	Vertical	Vertical	215	253	49.2	74.0	24.8
5.388	6 MBPS	Vertical	Vertical	215	253	49.8	74.0	24.2
4.895	54 MBPS	Vertical	Vertical	215	253	49.4	74.0	24.6
5.389	54 MBPS	Vertical	Vertical	215	253	49.7	74.0	24.3
5.043	HT20 MCS0	Vertical	Vertical	215	253	49.6	74.0	24.4
5.356	HT20 MCS0	Vertical	Vertical	215	253	49.7	74.0	24.3
5.039	HT20 MCS7	Vertical	Vertical	215	253	49.4	74.0	24.6
5.401	HT20 MCS7	Vertical	Vertical	215	253	49.9	74.0	24.1
5.150	MCS8	Vertical	Vertical	215	253	50.1	74.0	23.9
5.422	MCS8	Vertical	Vertical	215	253	49.3	74.0	24.7
4.620	HT40 MCS0	Vertical	Vertical	215	253	49.3	74.0	24.7
5.409	HT40 MCS0	Vertical	Vertical	215	253	49.6	74.0	24.4
5.040	HT40 MCS7	Vertical	Vertical	215	253	49.3	74.0	24.7
5.358	HT40 MCS7	Vertical	Vertical	215	253	49.7	74.0	24.3
5.028	HT40 MCS9	Vertical	Vertical	215	253	50.0	74.0	24.0
5.391	HT40 MCS9	Vertical	Vertical	215	253	50.1	74.0	23.9
5.011	HT80 MCS0	Vertical	Vertical	215	253	49.5	74.0	24.5
5.387	HT80 MCS0	Vertical	Vertical	215	253	49.8	74.0	24.2
4.858	HT80 MCS9	Vertical	Vertical	215	253	49.7	74.0	24.3
5.361	HT80 MCS9	Vertical	Vertical	215	253	49.4	74.0	24.6

UNII 2A Average

Frequency (GHz)	Data Rate	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Average Reading (dBμV/m)	Average Limit (dBμV/m)	Average Margin (dBm)
4.621	6 MBPS	Vertical	Vertical	250	327	44.4	54.0	9.6

5.457	6 MBPS	Vertical	Vertical	250	327	44.7	54.0	9.3
4.875	54 MBPS	Vertical	Vertical	250	327	44.3	54.0	9.7
5.422	54 MBPS	Vertical	Vertical	250	327	44.6	54.0	9.4
4.620	HT20 MCS0	Vertical	Vertical	250	327	45.1	54.0	8.9
5.376	HT20 MCS0	Vertical	Vertical	250	327	44.8	54.0	9.2
4.875	HT20 MCS7	Vertical	Vertical	250	327	44.7	54.0	9.3
5.445	HT20 MCS7	Vertical	Vertical	250	327	45.0	54.0	9.0
4.832	MCS8	Vertical	Vertical	250	327	44.5	54.0	9.5
5.447	MCS8	Vertical	Vertical	250	327	45.1	54.0	8.9
5.001	HT40 MCS0	Vertical	Vertical	250	327	44.5	54.0	9.5
5.379	HT40 MCS0	Vertical	Vertical	250	327	45.3	54.0	8.7
4.873	HT40 MCS7	Vertical	Vertical	250	327	44.4	54.0	9.6
5.399	HT40 MCS7	Vertical	Vertical	250	327	45.1	54.0	8.9
4.790	HT40 MCS9	Vertical	Vertical	250	327	44.0	54.0	10.0
5.447	HT40 MCS9	Vertical	Vertical	250	327	44.5	54.0	9.5
4.881	HT80 MCS0	Vertical	Vertical	250	327	44.3	54.0	9.7
5.376	HT80 MCS0	Vertical	Vertical	250	327	44.8	54.0	9.2
5.113	HT80 MCS9	Vertical	Vertical	250	327	44.6	54.0	9.4
5.353	HT80 MCS9	Vertical	Vertical	250	327	45.0	54.0	9.0

UNII 2A Peak

Frequency (GHz)	Data Rate	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Peak Reading (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dBm)
4.831	6 MBPS	Vertical	Vertical	250	327	50.7	74.0	23.3
5.398	6 MBPS	Vertical	Vertical	250	327	51.9	74.0	22.1
4.681	54 MBPS	Vertical	Vertical	250	327	50.0	74.0	24.0
5.401	54 MBPS	Vertical	Vertical	250	327	51.9	74.0	22.1
4.798	HT20 MCS0	Vertical	Vertical	250	327	50.6	74.0	23.4

5.463	HT20 MCS0	Vertical	Vertical	250	327	51.4	74.0	22.6
4.804	HT20 MCS7	Vertical	Vertical	250	327	50.8	74.0	23.2
5.400	HT20 MCS7	Vertical	Vertical	250	327	52.1	74.0	21.9
4.877	MCS8	Vertical	Vertical	250	327	50.7	74.0	23.3
5.442	MCS8	Vertical	Vertical	250	327	51.6	74.0	22.4
4.657	HT40 MCS0	Vertical	Vertical	250	327	50.4	74.0	23.6
5.376	HT40 MCS0	Vertical	Vertical	250	327	51.6	74.0	22.4
4.882	HT40 MCS7	Vertical	Vertical	250	327	50.2	74.0	23.8
5.378	HT40 MCS7	Vertical	Vertical	250	327	51.4	74.0	22.6
4.610	HT40 MCS9	Vertical	Vertical	250	327	50.2	74.0	23.8
5.375	HT40 MCS9	Vertical	Vertical	250	327	51.6	74.0	22.4
4.615	HT80 MCS0	Vertical	Vertical	250	327	50.8	74.0	23.2
5.375	HT80 MCS0	Vertical	Vertical	250	327	51.4	74.0	22.6
4.621	HT80 MCS9	Vertical	Vertical	250	327	49.9	74.0	24.1
5.458	HT80 MCS9	Vertical	Vertical	250	327	52.2	74.0	21.8

UNII 2C Average

Frequency (GHz)	Data Rate	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Average Reading (dBμV/m)	Average Limit (dBμV/m)	Average Margin (dBm)
5.453	6 MBPS	Vertical	Vertical	204	19	44.6	54.0	9.4
7.725	6 MBPS	Vertical	Vertical	204	19	49.2	54.0	4.8
5.397	54 MBPS	Vertical	Vertical	204	19	44.7	54.0	9.3
7.719	54 MBPS	Vertical	Vertical	204	19	48.4	54.0	5.6
5.379	HT20 MCS0	Vertical	Vertical	204	19	44.5	54.0	9.5
7.319	HT20 MCS0	Vertical	Vertical	204	19	49.5	54.0	4.5
5.358	HT20 MCS7	Vertical	Vertical	204	19	44.8	54.0	9.2
7.319	HT20 MCS7	Vertical	Vertical	204	19	48.7	54.0	5.3

5.448	MCS8	Vertical	Vertical	204	19	44.9	54.0	9.1
7.319	MCS8	Vertical	Vertical	204	19	48.8	54.0	5.2
5.441	HT40 MCS0	Vertical	Vertical	204	19	44.7	54.0	9.3
7.319	HT40 MCS0	Vertical	Vertical	204	19	49.2	54.0	4.8
5.445	HT40 MCS7	Vertical	Vertical	204	19	44.5	54.0	9.5
7.727	HT40 MCS7	Vertical	Vertical	204	19	49.2	54.0	4.8
5.401	HT40 MCS9	Vertical	Vertical	204	19	45.0	54.0	9.0
7.318	HT40 MCS9	Vertical	Vertical	204	19	48.5	54.0	5.5
5.398	HT80 MCS0	Vertical	Vertical	204	19	45.1	54.0	8.9
7.735	HT80 MCS0	Vertical	Vertical	204	19	49.5	54.0	4.5
5.405	HT80 MCS9	Vertical	Vertical	204	19	45.3	54.0	8.7
7.735	HT80 MCS9	Vertical	Vertical	204	19	48.9	54.0	5.1

UNII 2C Peak

Frequency (GHz)	Data Rate	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Peak Reading (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dBm)
5.445	6 MBPS	Vertical	Vertical	204	19	52.0	74.0	22.0
5.826	6 MBPS	Vertical	Vertical	204	19	52.0	74.0	22.0
5.459	54 MBPS	Vertical	Vertical	204	19	51.6	74.0	22.4
5.829	54 MBPS	Vertical	Vertical	204	19	51.5	74.0	22.5
5.374	HT20 MCS0	Vertical	Vertical	204	19	51.5	74.0	22.5
5.779	HT20 MCS0	Vertical	Vertical	204	19	51.7	74.0	22.3
5.402	HT20 MCS7	Vertical	Vertical	204	19	51.0	74.0	23.0
5.783	HT20 MCS7	Vertical	Vertical	204	19	51.8	74.0	22.2
5.427	MCS8	Vertical	Vertical	204	19	51.4	74.0	22.6
5.790	MCS8	Vertical	Vertical	204	19	52.0	74.0	22.0
5.423	HT40 MCS0	Vertical	Vertical	204	19	51.4	74.0	22.6
5.778	HT40 MCS0	Vertical	Vertical	204	19	51.5	74.0	22.5

5.459	HT40 MCS7	Vertical	Vertical	204	19	51.6	74.0	22.4
5.828	HT40 MCS7	Vertical	Vertical	204	19	51.7	74.0	22.3
5.430	HT40 MCS9	Vertical	Vertical	204	19	51.3	74.0	22.7
5.830	HT40 MCS9	Vertical	Vertical	204	19	51.9	74.0	22.1
5.463	HT80 MCS0	Vertical	Vertical	204	19	51.3	74.0	22.7
5.783	HT80 MCS0	Vertical	Vertical	204	19	51.2	74.0	22.8
5.457	HT80 MCS9	Vertical	Vertical	204	19	52.3	74.0	21.7
5.826	HT80 MCS9	Vertical	Vertical	204	19	51.8	74.0	22.2

Tx Spurious Tables

UNII 2A

Frequency (GHz)	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Average Reading (dBμV/m)	Average Limit (dBμV/m)	Average Margin (dB)	Peak Reading (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dB)
10.640	Horizontal	Vertical	200	56	38.8	54.0	15.2	52.1	74.0	21.9
10.640	Horizontal	Vertical	214	59	40.0	54.0	14.0	51.8	74.0	22.2
10.520	Horizontal	Vertical	208	56	37.9	54.0	16.1	50.1	74.0	23.9
10.600	Horizontal	Vertical	201	59	39.2	54.0	14.8	49.6	74.0	24.4

UNII 2C

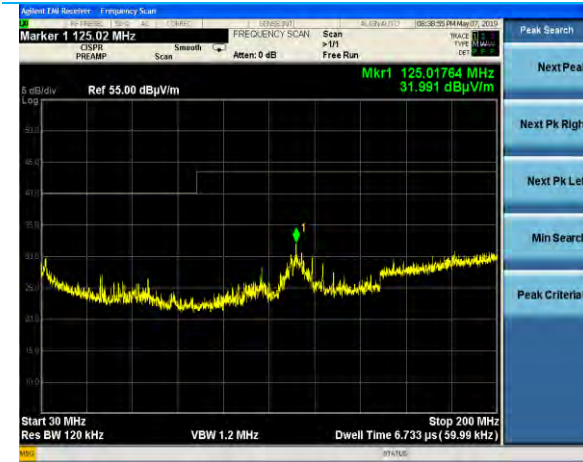
Frequency (GHz)	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Average Reading (dBμV/m)	Average Limit (dBμV/m)	Average Margin (dB)	Peak Reading (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dB)
11.000	Horizontal	Side	174	36	36.5	54.0	17.5	48.7	74.0	25.3
11.000	Horizontal	Side	184	49	38.0	54.0	16.0	49.5	74.0	24.5
11.400	Horizontal	Side	176	54	39.4	54.0	14.6	51.3	74.0	22.7
11.160	Horizontal	Side	181	52	39.0	54.0	15.0	50.1	74.0	23.9

UNII 3

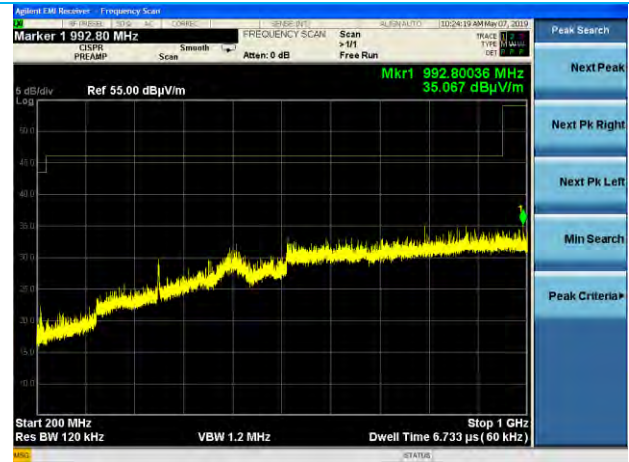
Frequency (GHz)	Antenna Polarity	EUT Orientation	Height (cm)	Azimuth (degree)	Average Reading (dBμV/m)	Average Limit (dBμV/m)	Average Margin (dB)	Peak Reading (dBμV/m)	Peak Limit (dBμV/m)	Peak Margin (dB)
11.650	Horizontal	Side	170	54	41.8	54.0	12.2	55.3	74.0	18.7
11.650	Horizontal	Side	173	53	42.2	54.0	11.8	53.9	74.0	20.1
11.490	Horizontal	Side	175	58	41.7	54.0	12.3	53.8	74.0	20.2
11.570	Horizontal	Side	182	54	42.7	54.0	11.3	54.8	74.0	19.2

Plots – UNII 1

Company: Philips North America LLC	Page 184 of 228	Name: PHC-11AC1-A
Report: 317347 A		Model: PHC-11AC1-A
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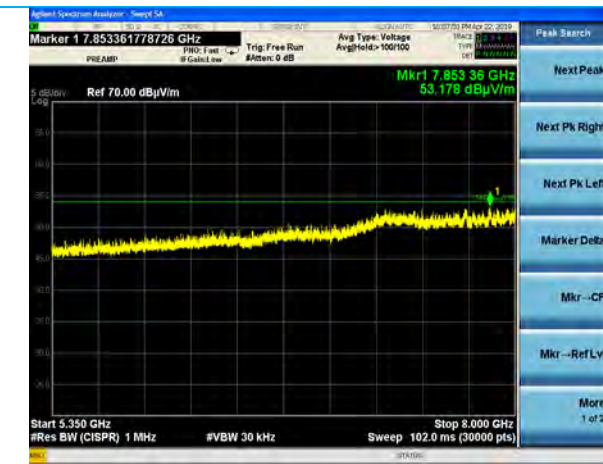
30 MHz – 200 MHz



200 – 1000 MHz



1 – 5.15 GHz



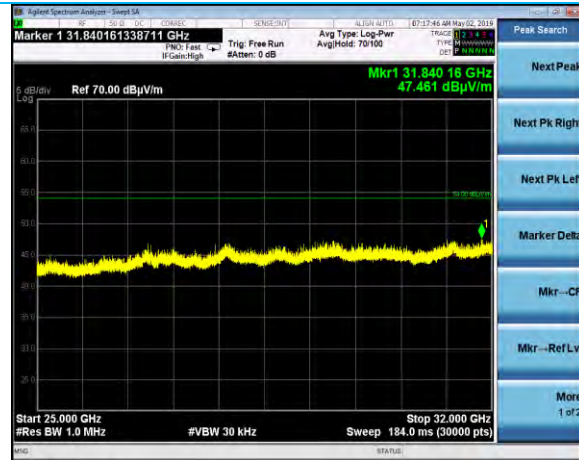
5.35 – 8 GHz



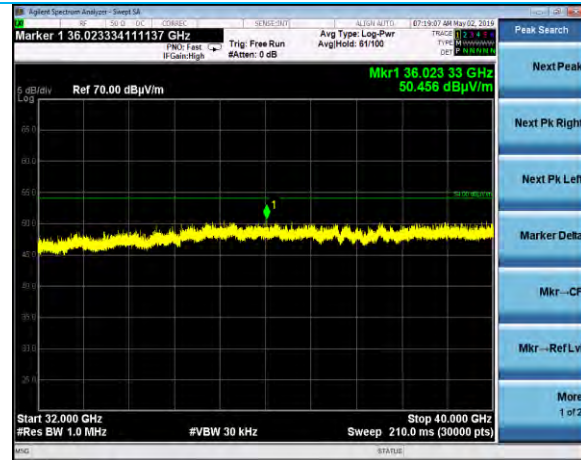
8-18 GHz



18 – 25 GHz



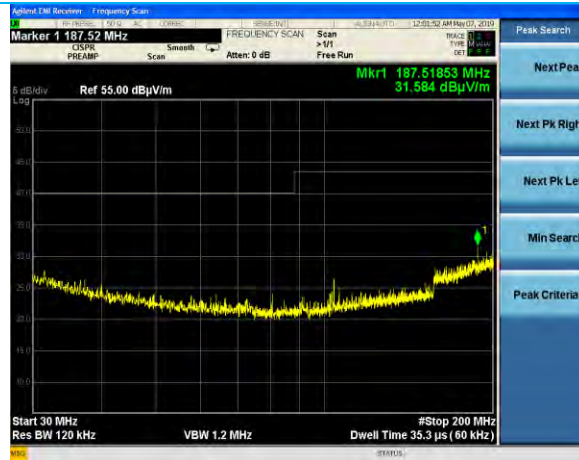
25 – 32 GHz



32 – 40 GHz

Plots – UNII 2A

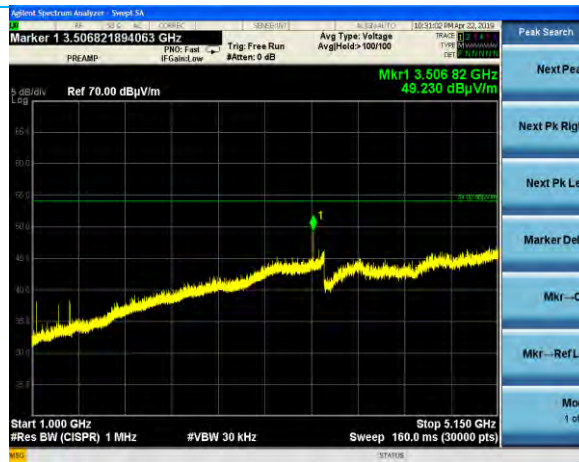
Company: Philips North America LLC	Page 186 of 228	Name: PHC-11AC1-A
Report: 317347 A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples



30 MHz – 200 MHz



200 – 1000 MHz



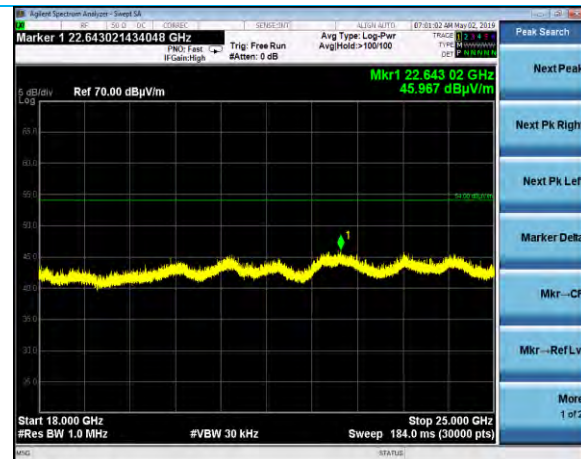
1 – 5.15 GHz



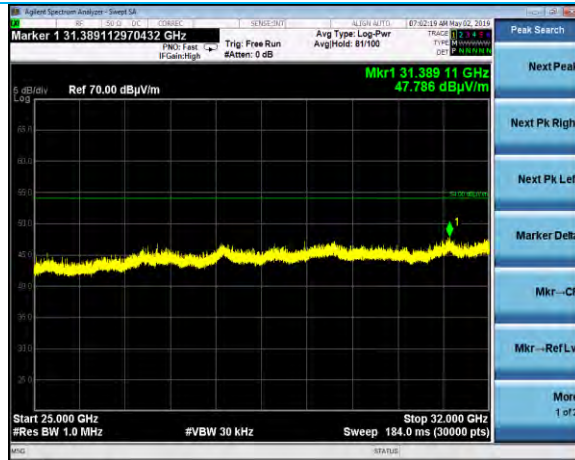
5.35 – 8 GHz



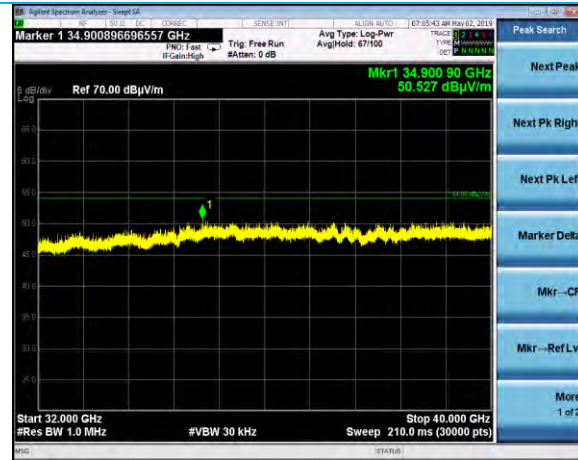
8-18 GHz



18 – 25 GHz



25 – 32 GHz



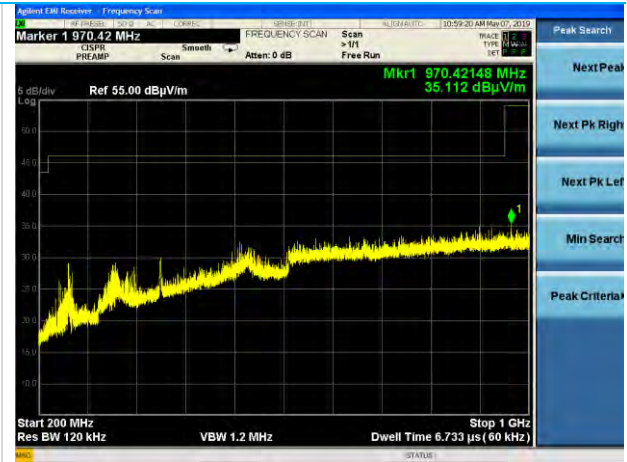
32 – 40 GHz

Plots – UNII 2C

Company: Philips North America LLC	Page 188 of 228	Name: PHC-11AC1-A
Report: 317347 A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples



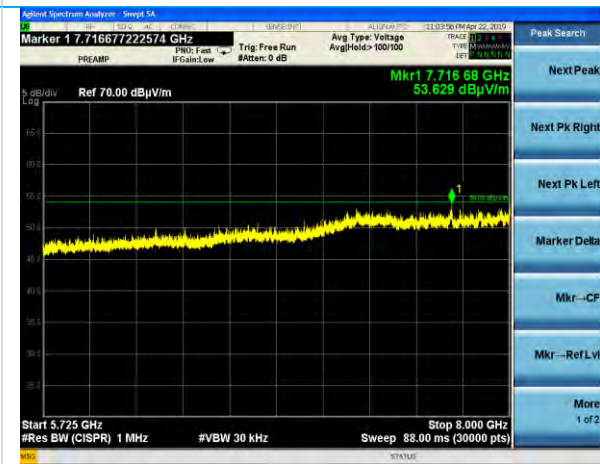
30 MHz – 200 MHz



200 – 1000 MHz



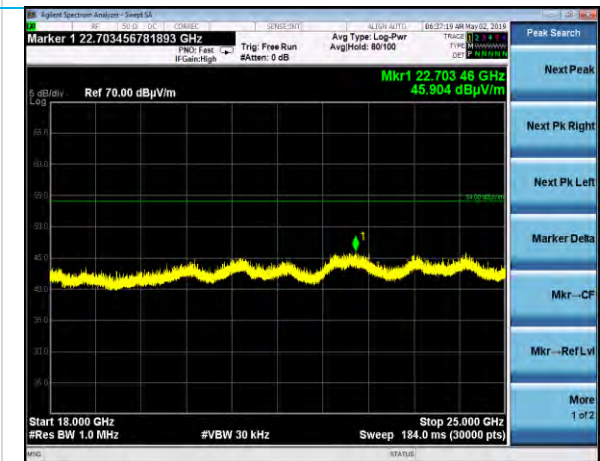
1 – 5.47 GHz



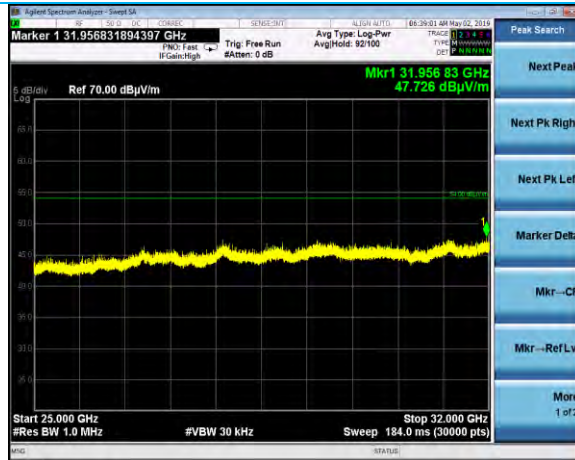
5.725 – 8 GHz



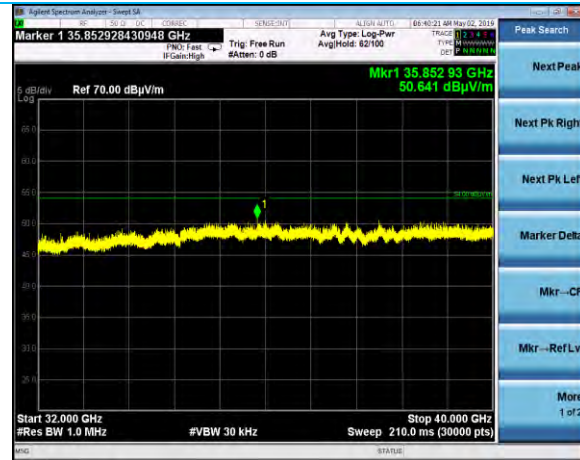
8-18 GHz



18 – 25 GHz



25 – 32 GHz



32 – 40 GHz

Plots – UNII 3

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Report: 317347 A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples



30 MHz – 200 MHz



200 – 1000 MHz



1 – 5.65 GHz



5.925 – 8 GHz



8-18 GHz

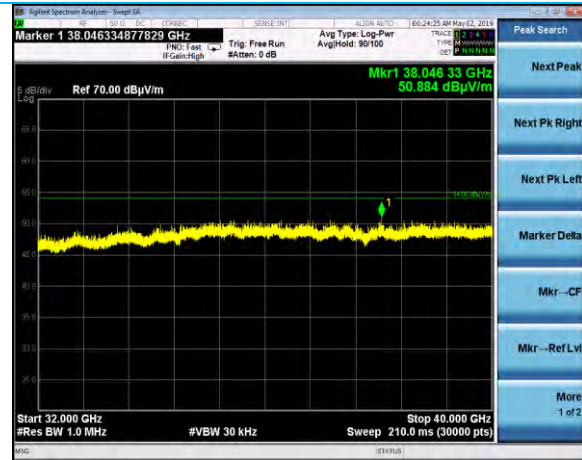


18 – 25 GHz

Company: Philips North America LLC	Page 191 of 228	Name: PHC-11AC1-A
Report: 317347 A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples



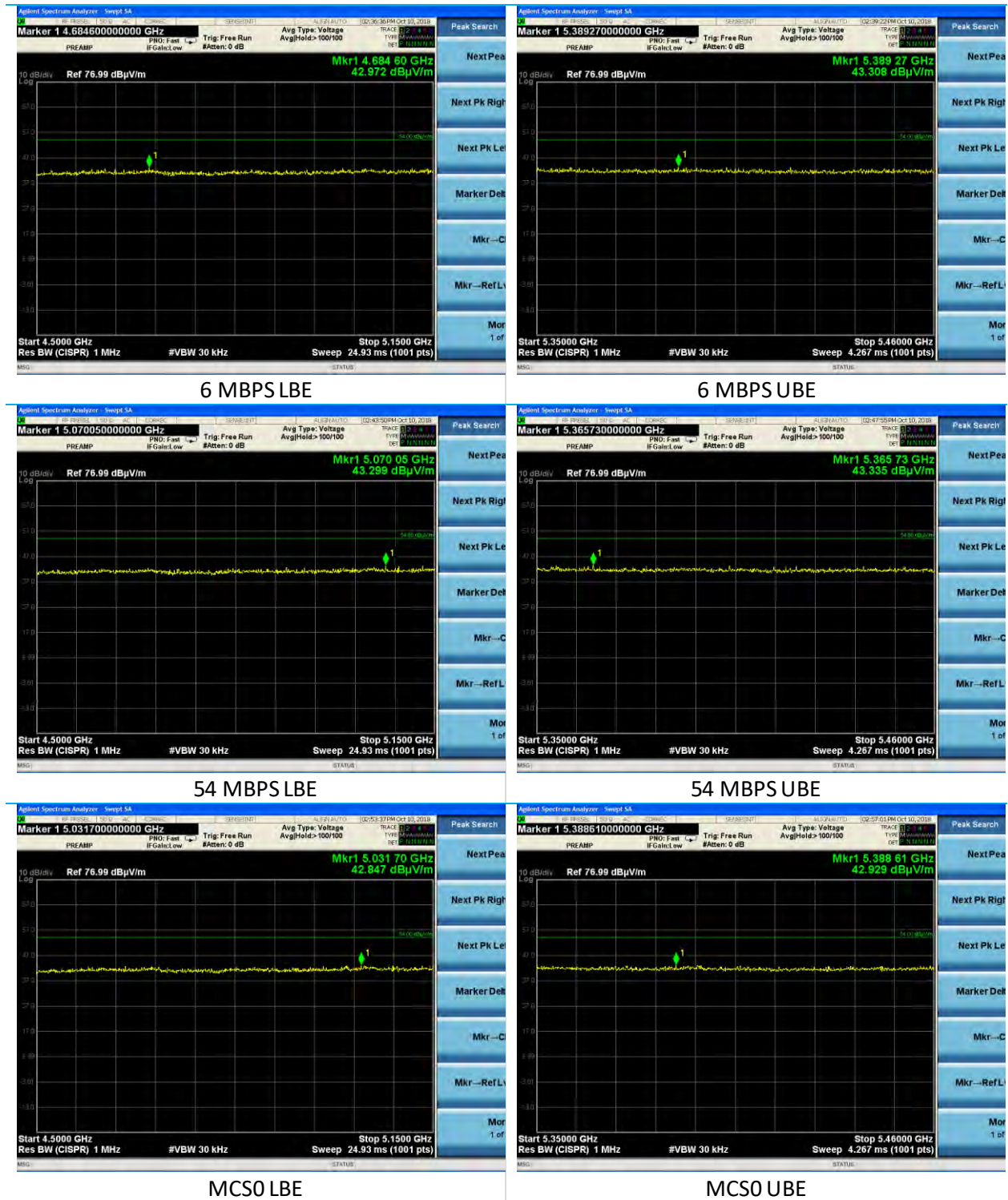
25 – 32 GHz

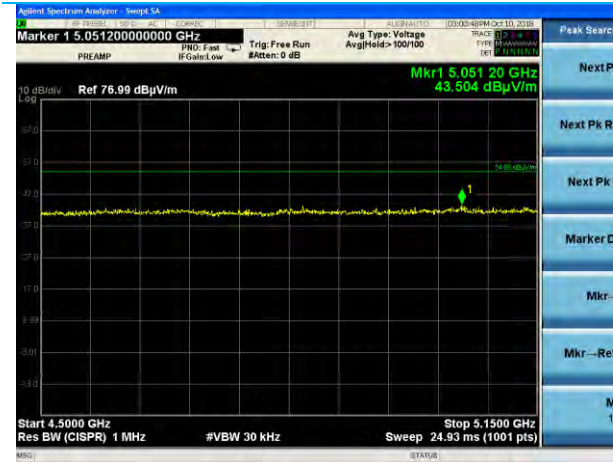


32 – 40 GHz

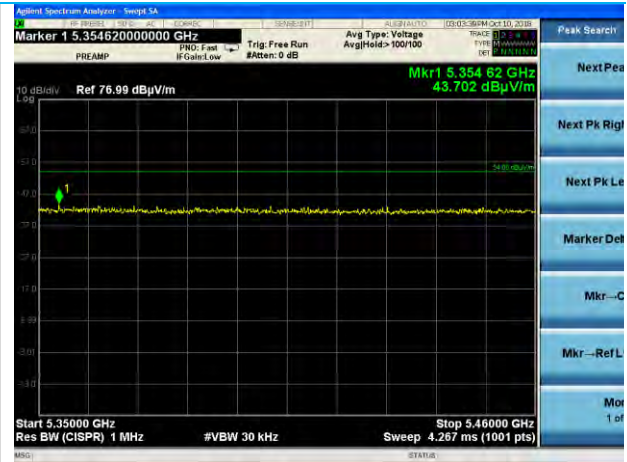
Plots – Average Band Edges UNII 1

Company: Philips North America LLC	Page 192 of 228	Name: PHC-11AC1-A
Report: 317347 A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples

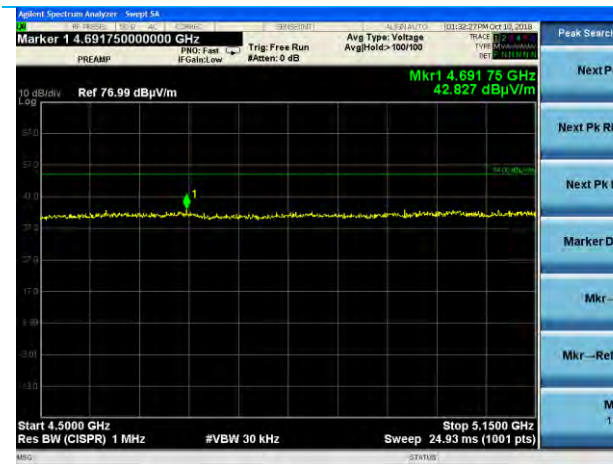




MCS7 LBE



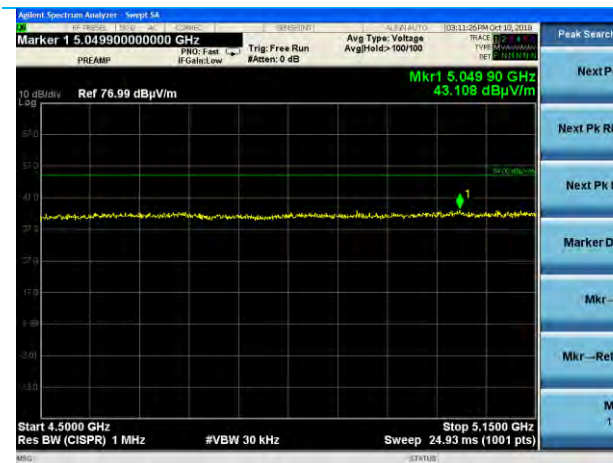
MBPS7 UBE



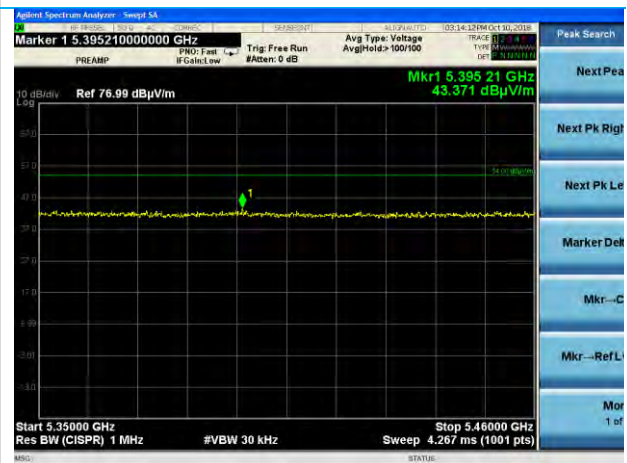
MCS8 LBE



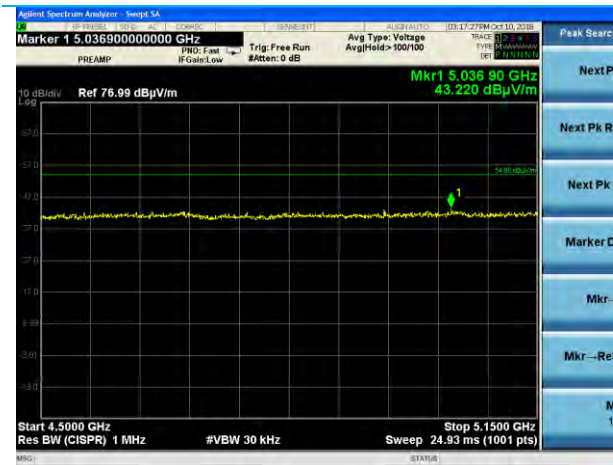
MCS8 UBE



HT40 MCS0 LBE



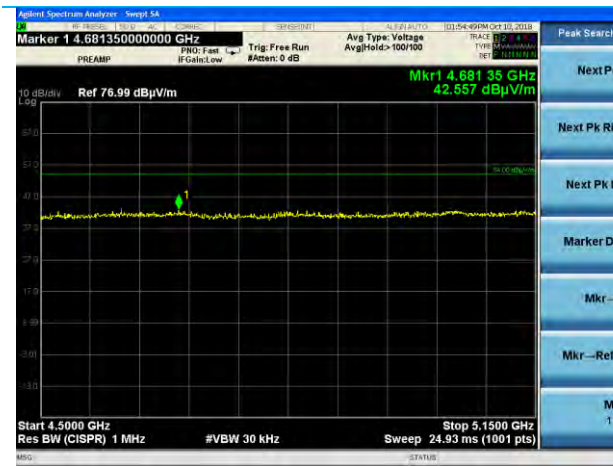
HT40 MCS0 UBE



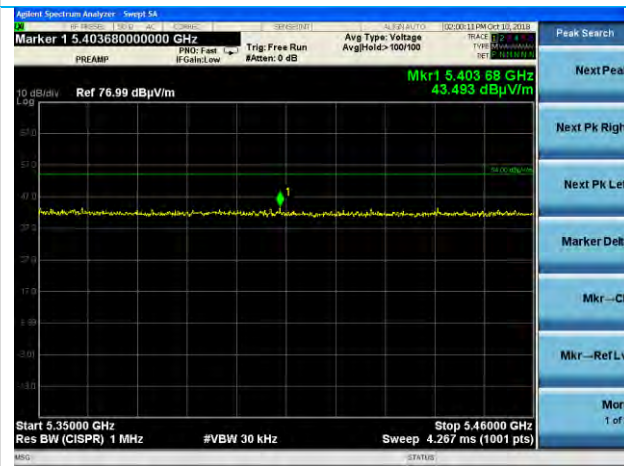
HT40 MCS7 LBE



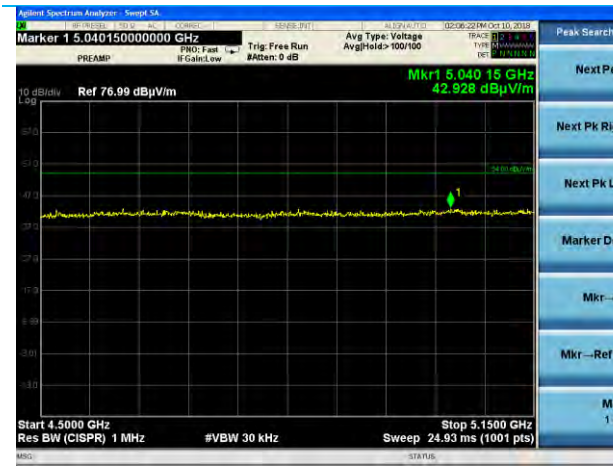
HT40 MCS7 UBE



HT40 MCS9 LBE



HT40 MCS9 UBE



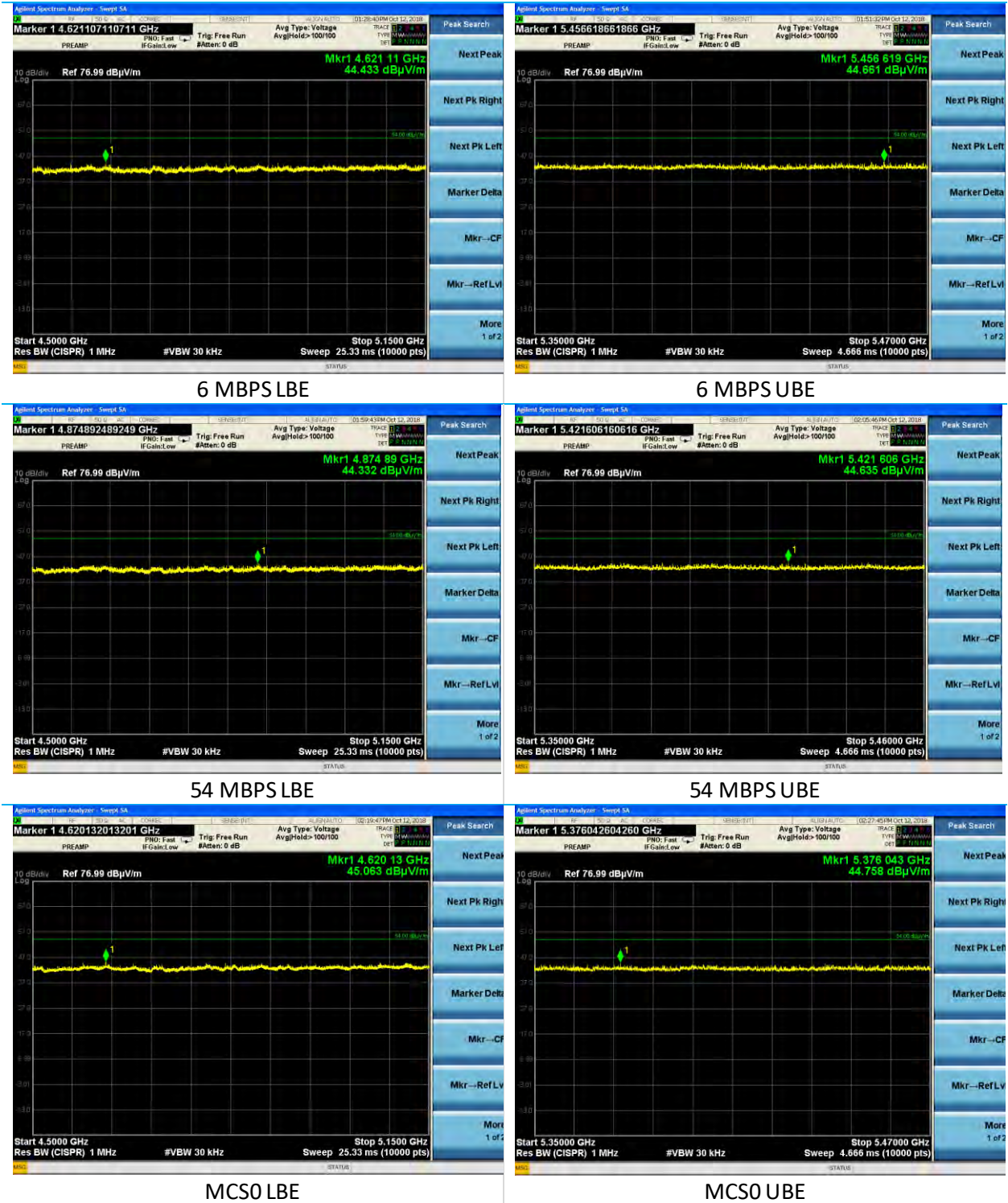
HT80 MCS0 LBE

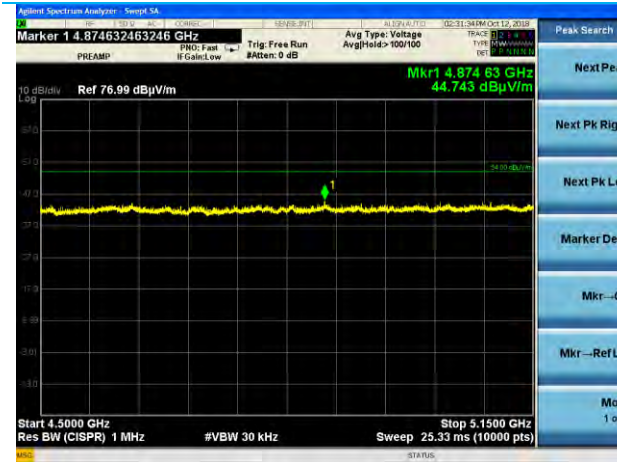


HT80 MCS0 UBE

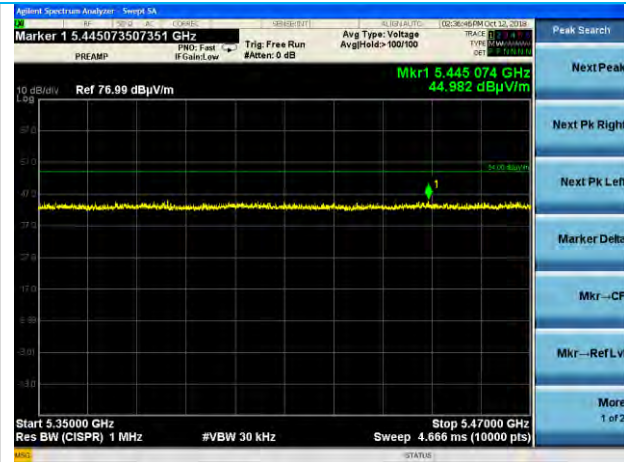


Plots – Average Band Edges UNII 2A

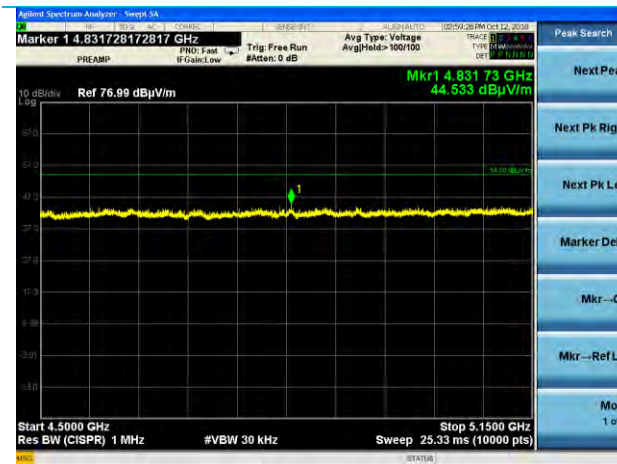




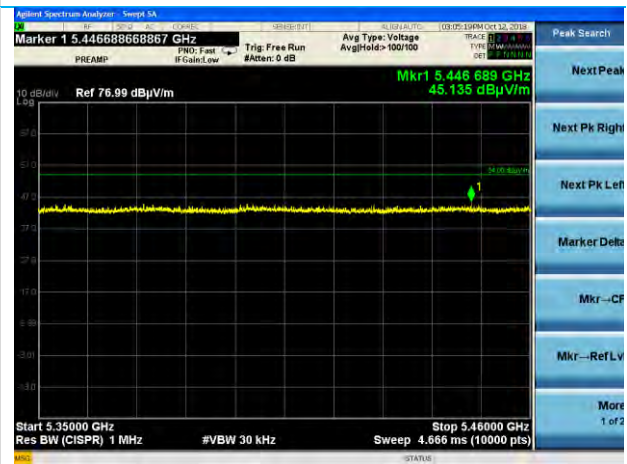
MCS7 LBE



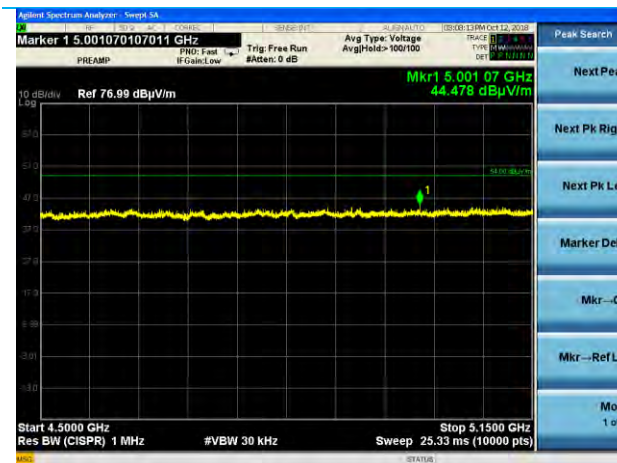
MBPS7 UBE



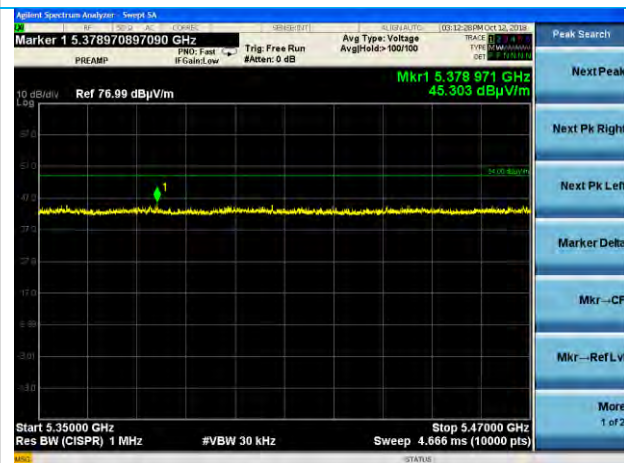
MCS8 LBE



MCS8 UBE



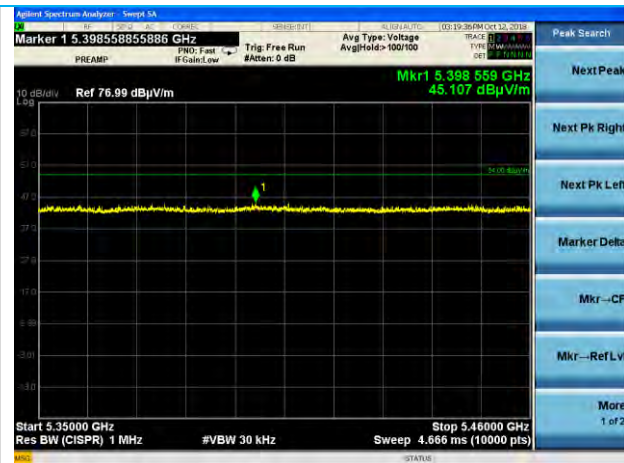
HT40 MCS0 LBE



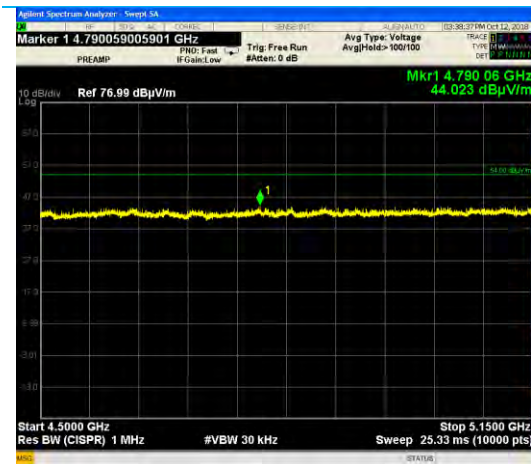
HT40 MCS0 UBE



HT40 MCS7 LBE



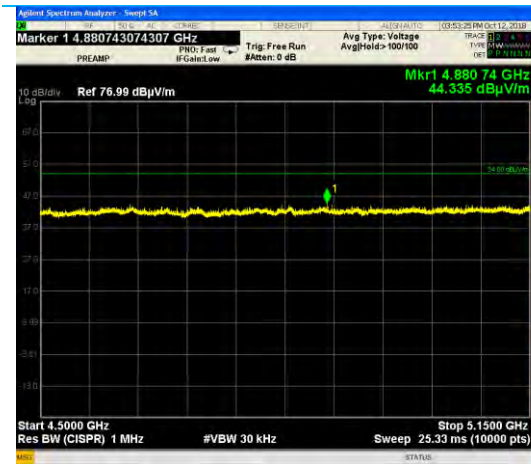
HT40 MCS7 UBE



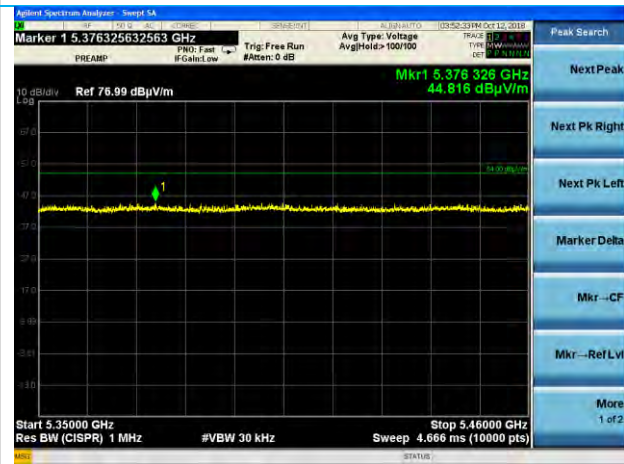
HT40 MCS9 LBE



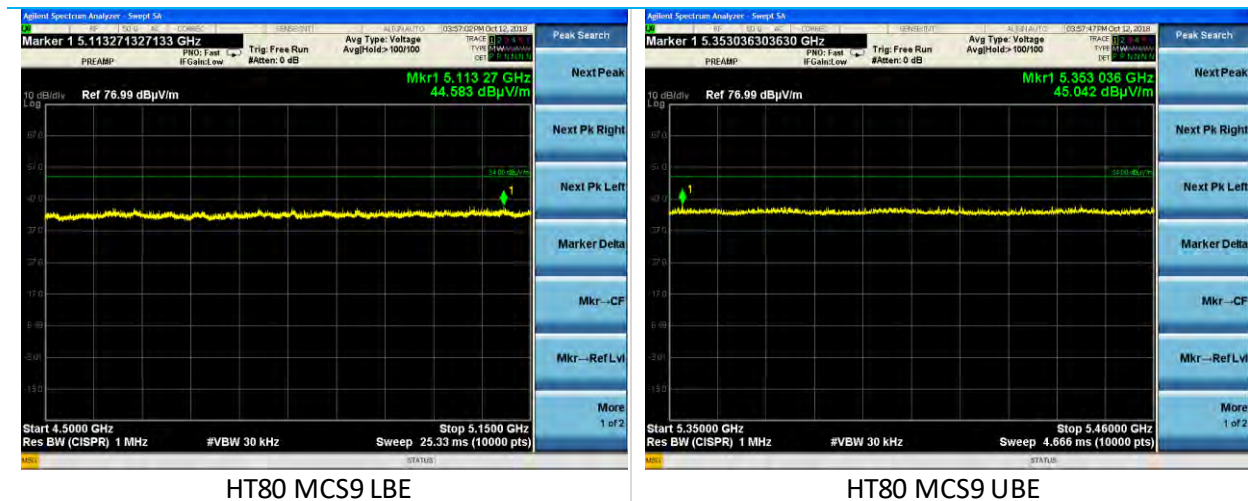
HT40 MCS9 UBE



HT80 MCS0 LBE

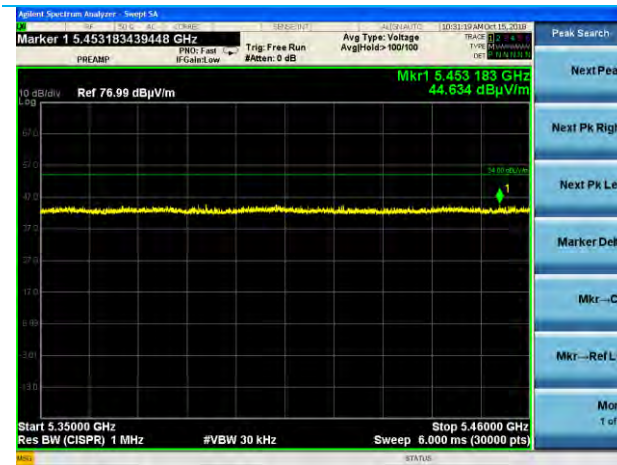


HT80 MCS0 UBE



Plots – Average Band Edges UNII 2C

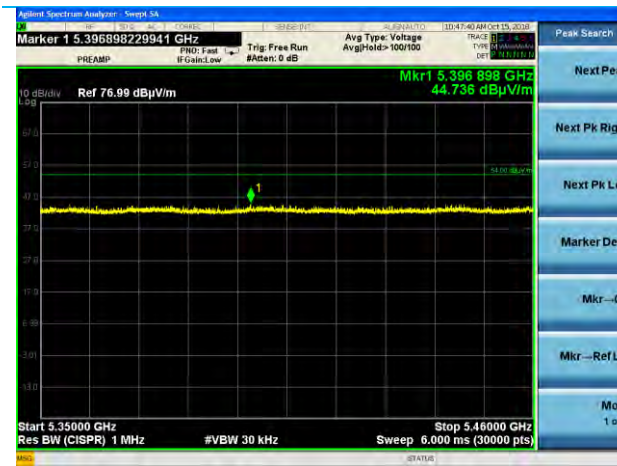
Company: Philips North America LLC	Page 200 of 228	Name: PHC-11AC1-A
Report: 317347 A		Model: PHC-11AC1-A
Job: C-3013		Serial: Engineering Samples



6 MBPS LBE



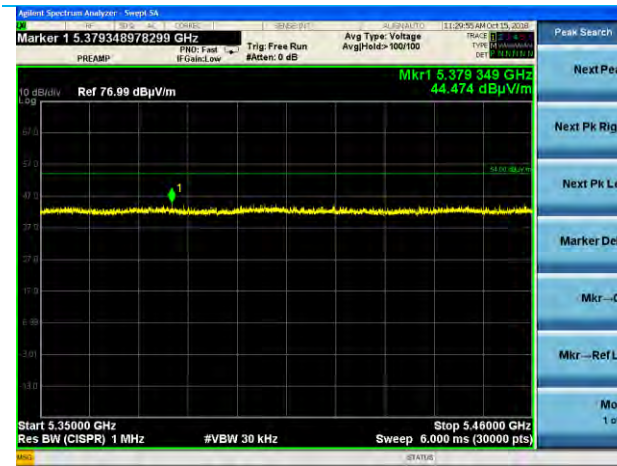
6 MBPS UBE



54 MBPS LBE



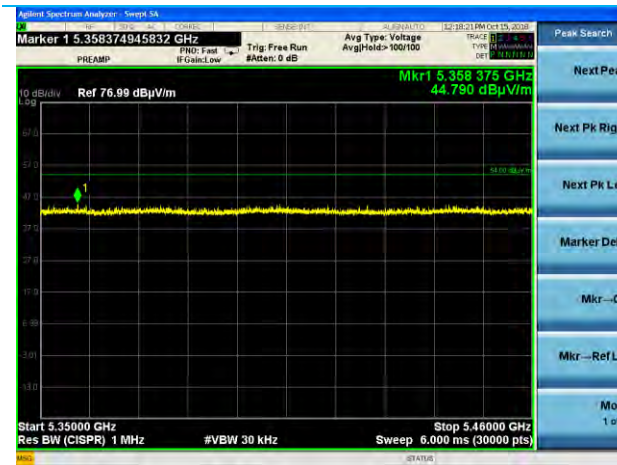
54 MBPS UBE



MCS0 LBE



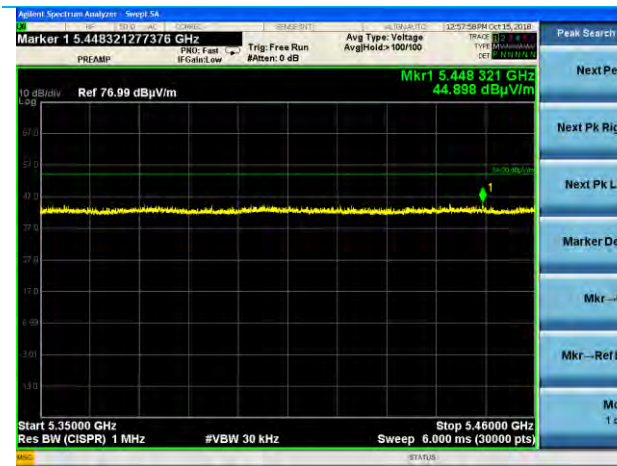
MCS0 UBE



MCS7 LBE



MCS7 UBE



MCS8 LBE



MCS8 UBE



HT40 MCS0 LBE



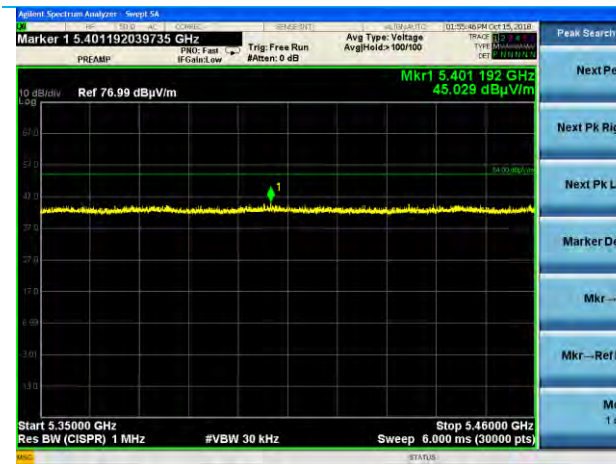
HT40 MCS0 UBE



HT40 MCS7 LBE



HT40 MCS7 UBE



HT40 MCS9 LBE



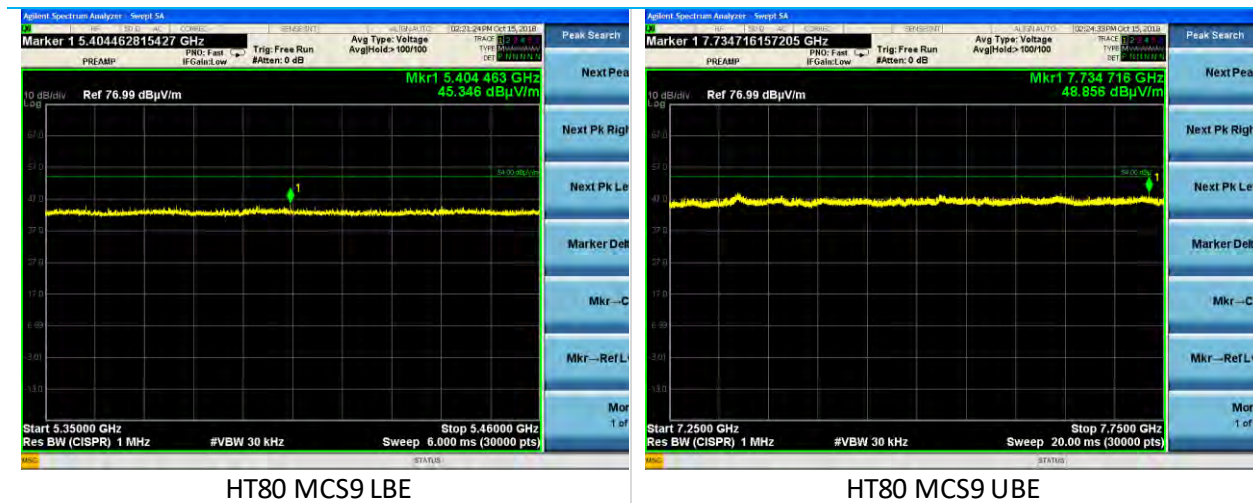
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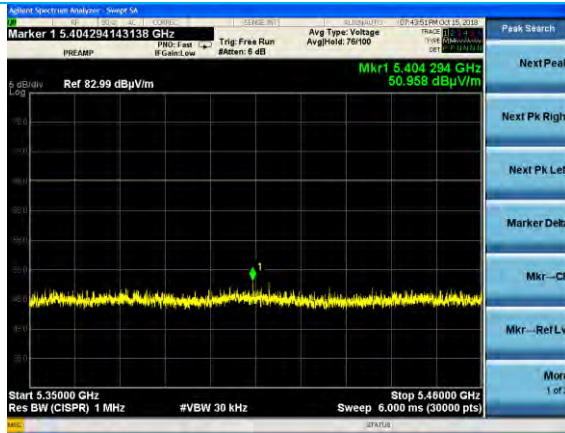
HT80 MCS0 LBE



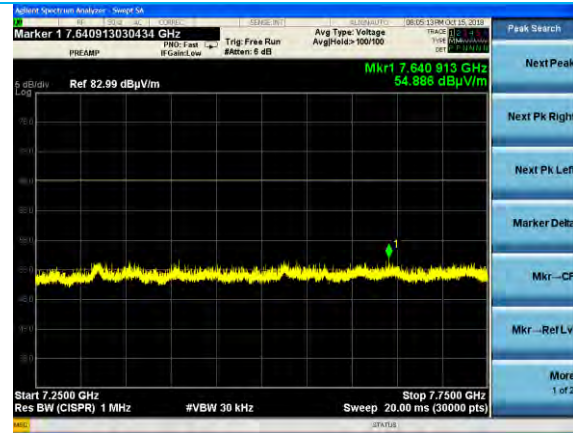
HT80 MCS0 UBE



Plots – Average Band Edges UNII 3 (Upper BE screenshots are noise-floor emissions)



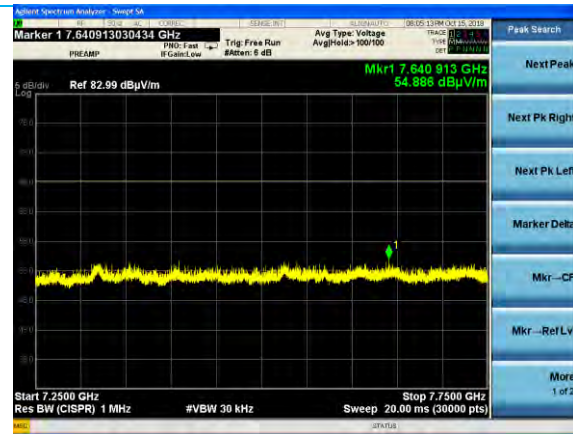
6 MBPS LBE



6 MBPS UBE



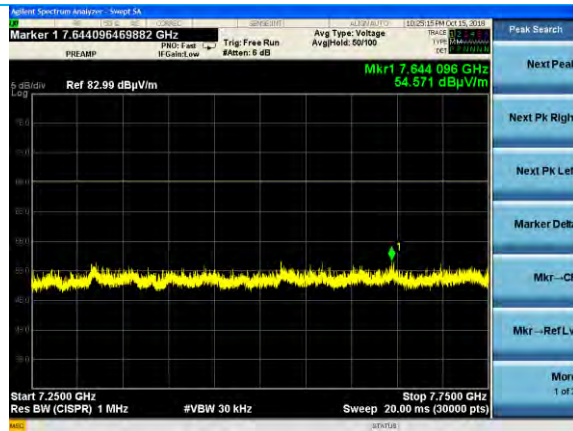
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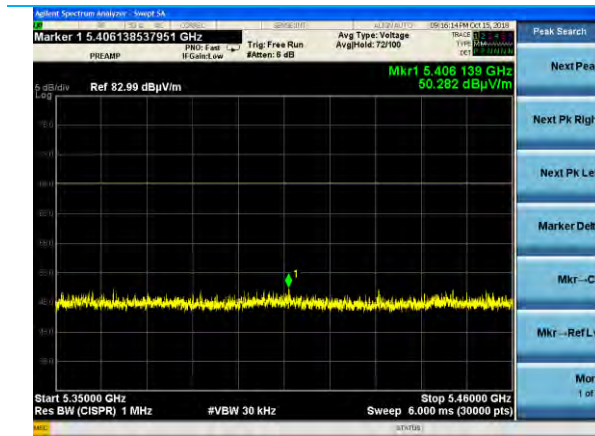
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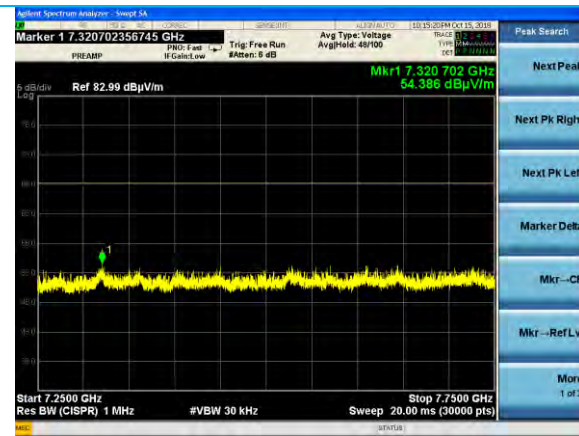
MCS0 LBE



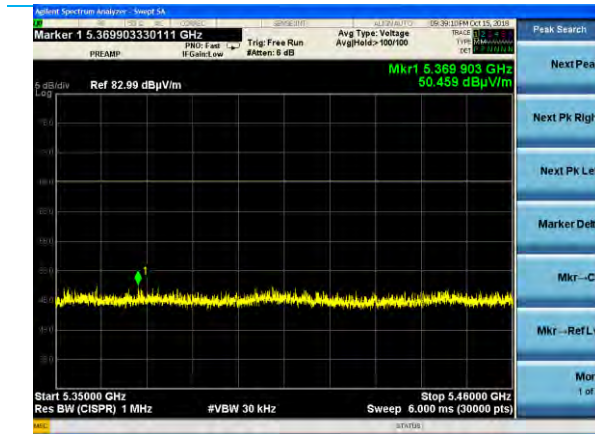
MCS0 UBE



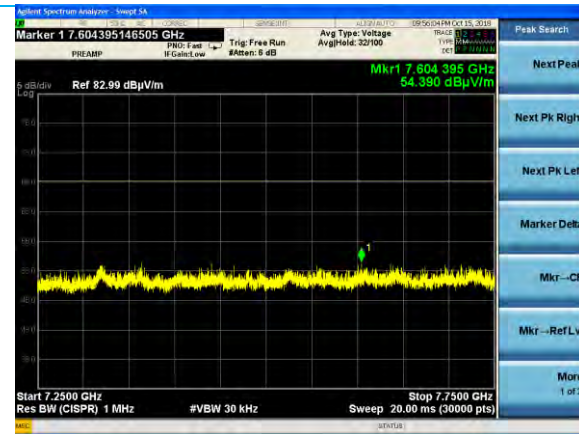
MCS7 LBE



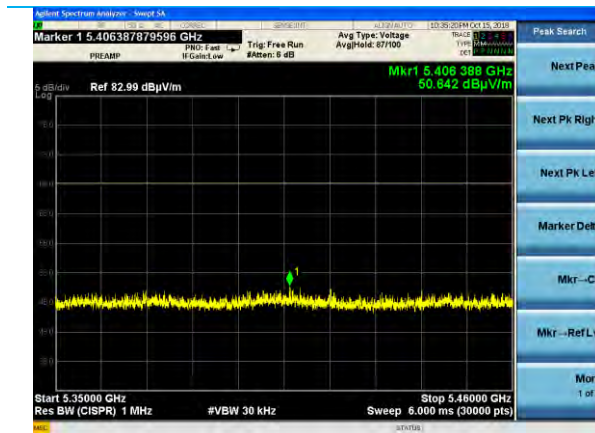
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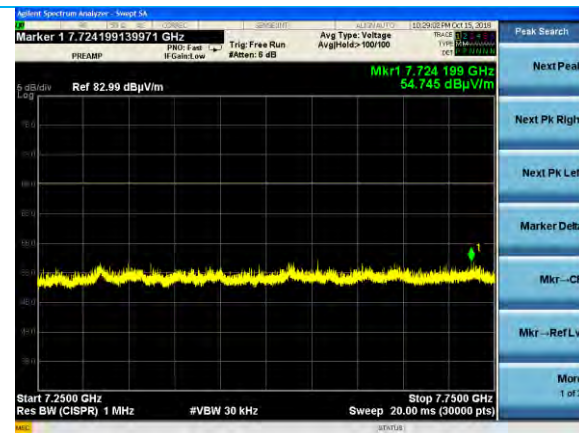
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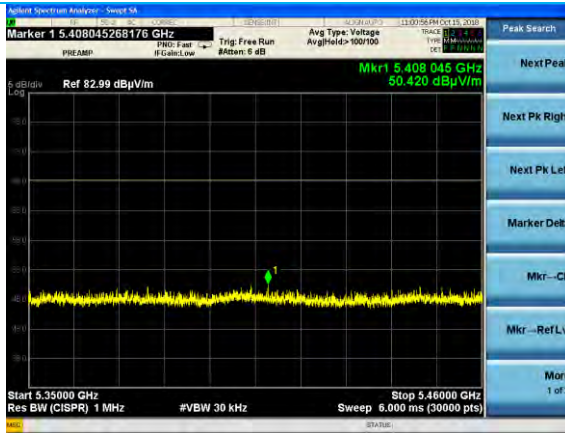
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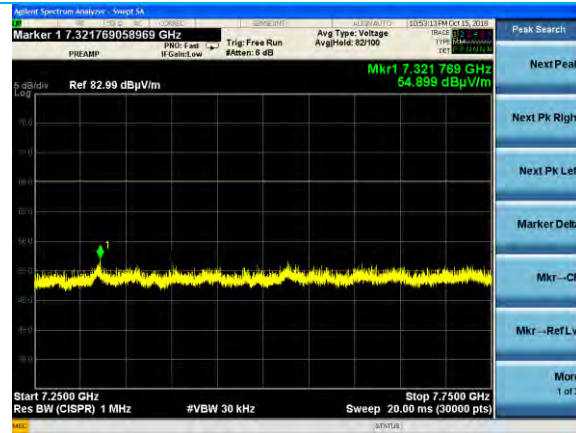
HT40 MCS0 LBE



HT40 MCS0 UBE



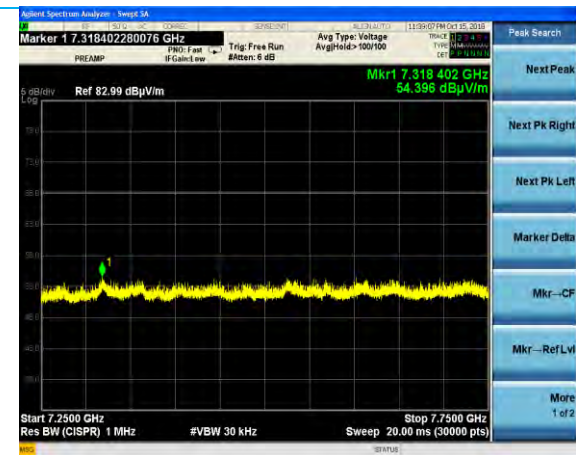
HT40 MCS7 LBE



HT40 MCS7 UBE



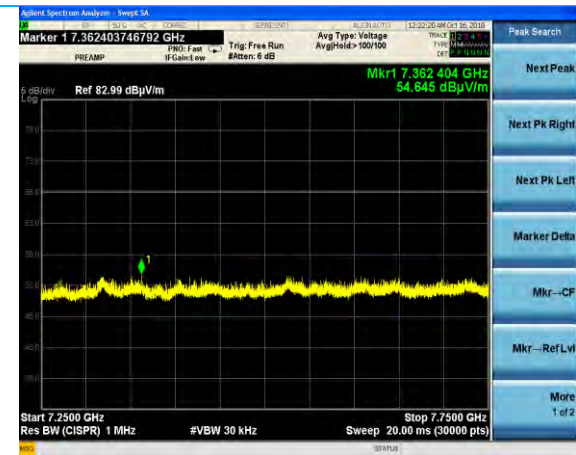
HT40 MCS9 LBE



HT40 MCS9 UBE



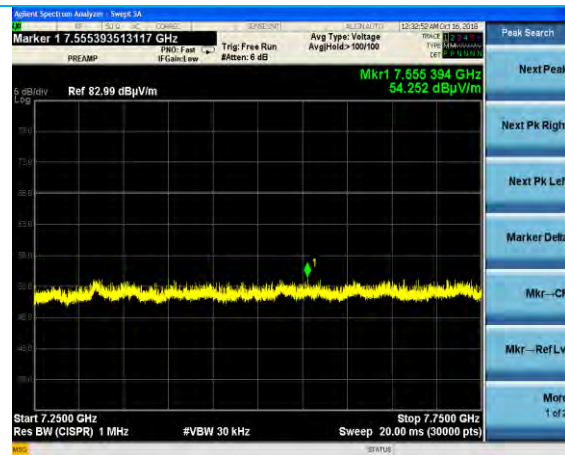
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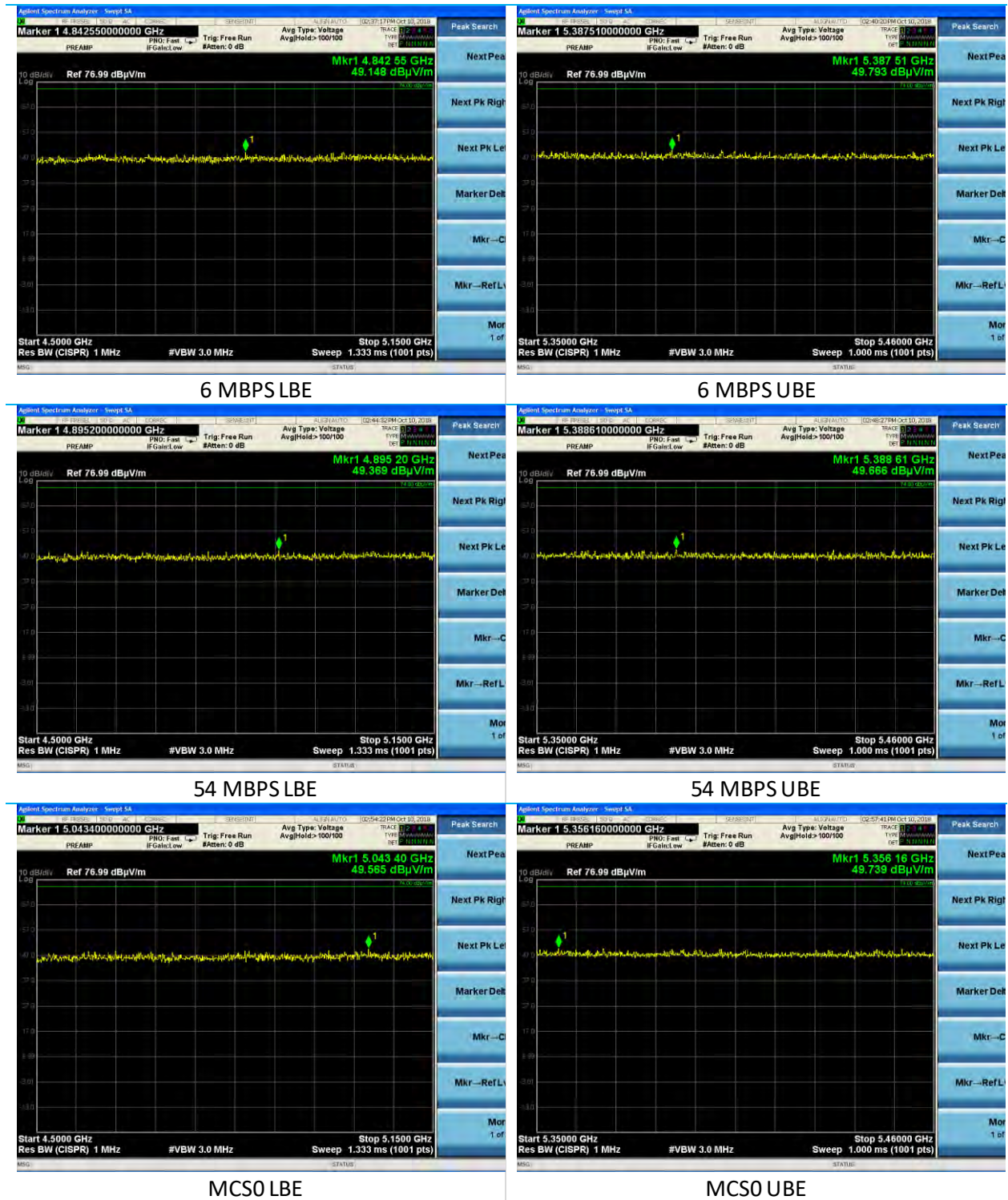
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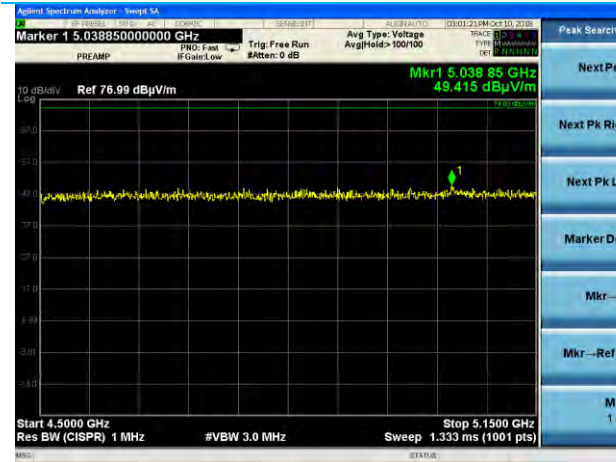


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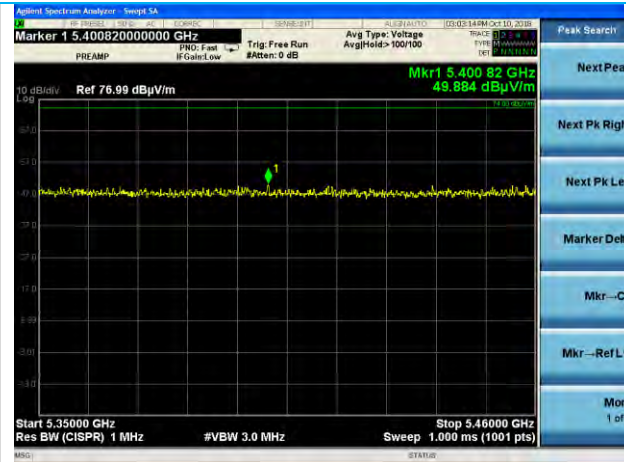
Plots – Peak Band Edges UNII 1

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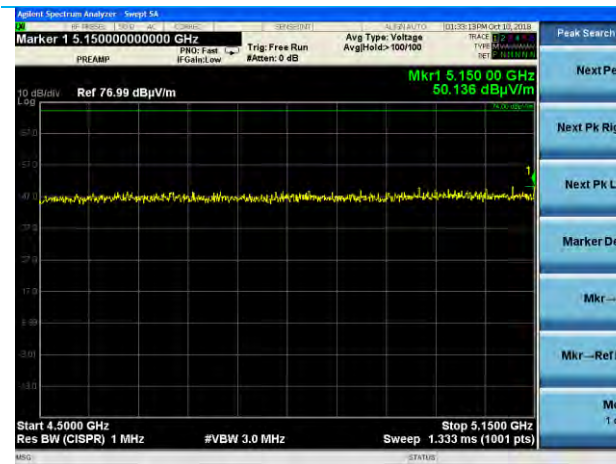




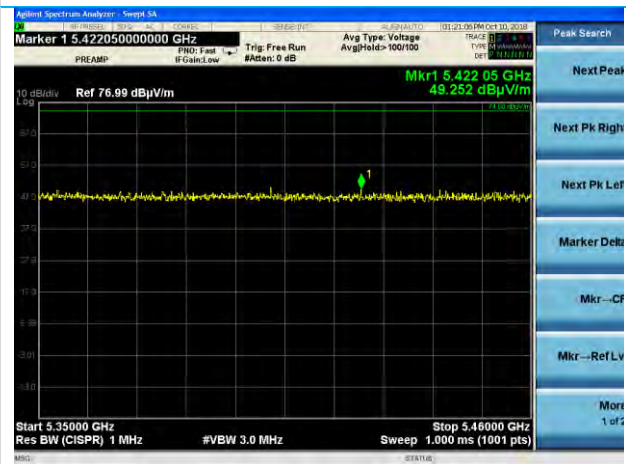
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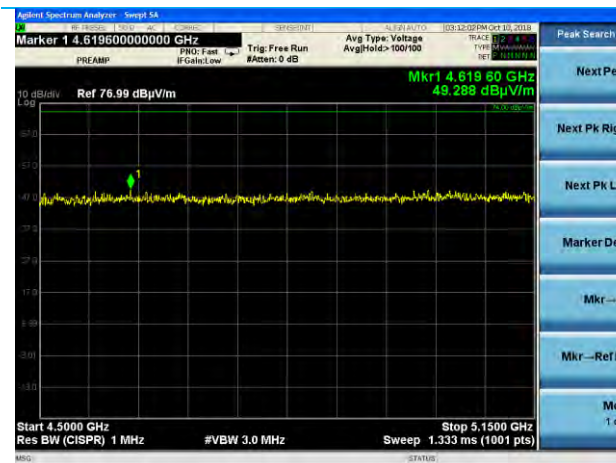
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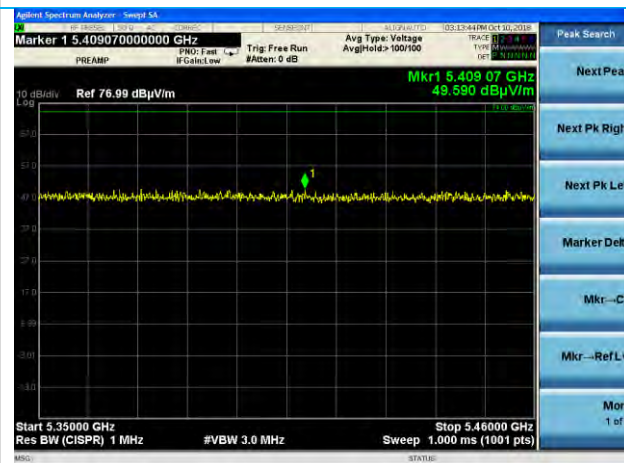
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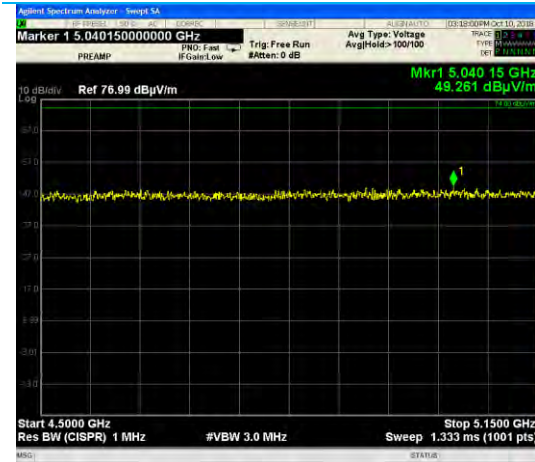
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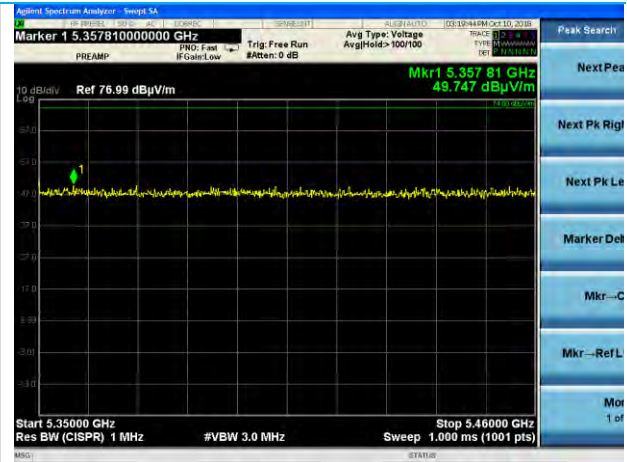
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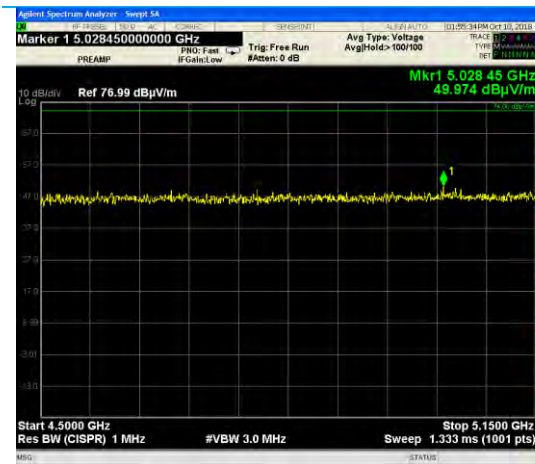
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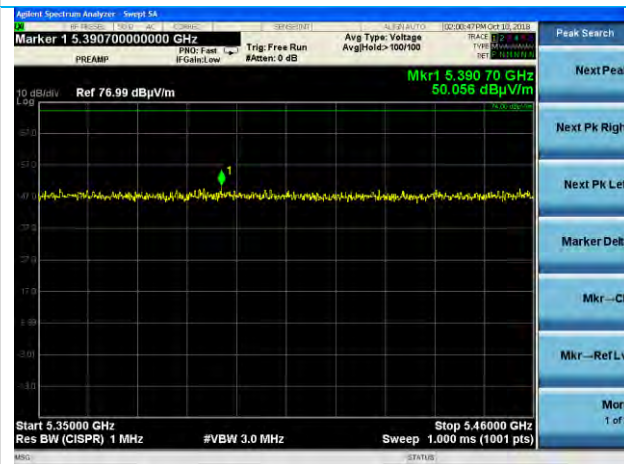
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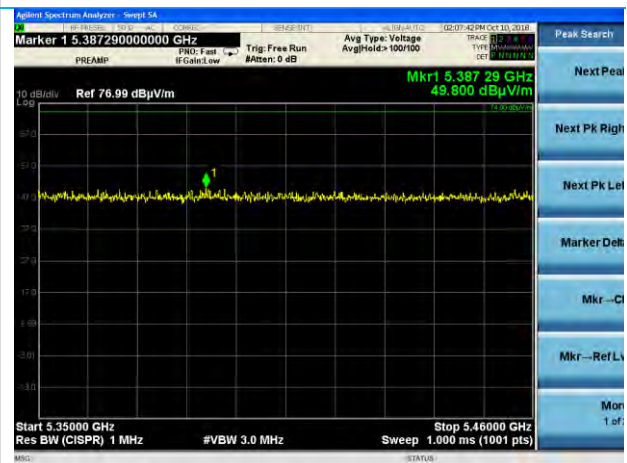
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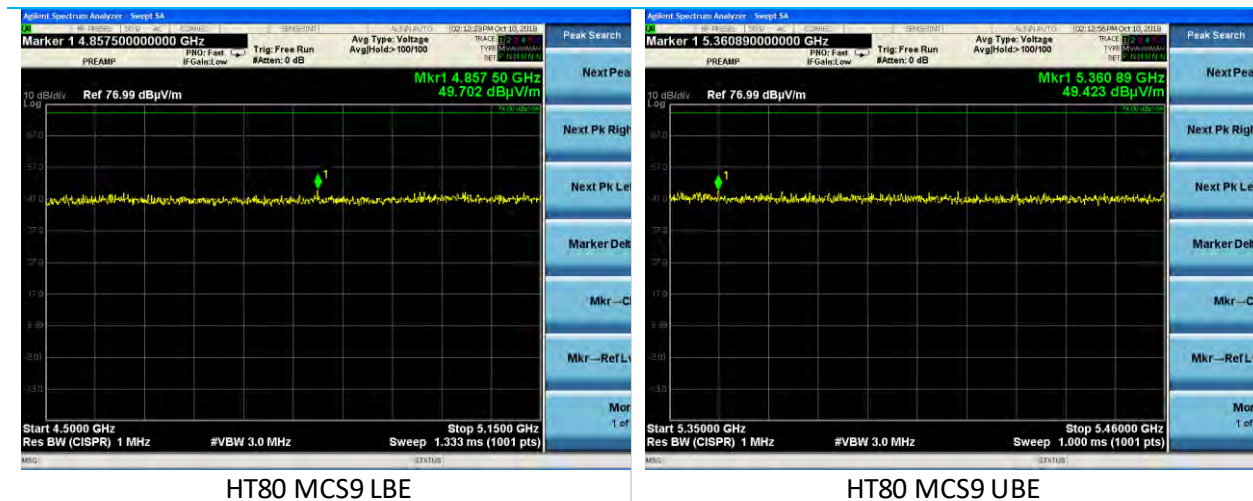
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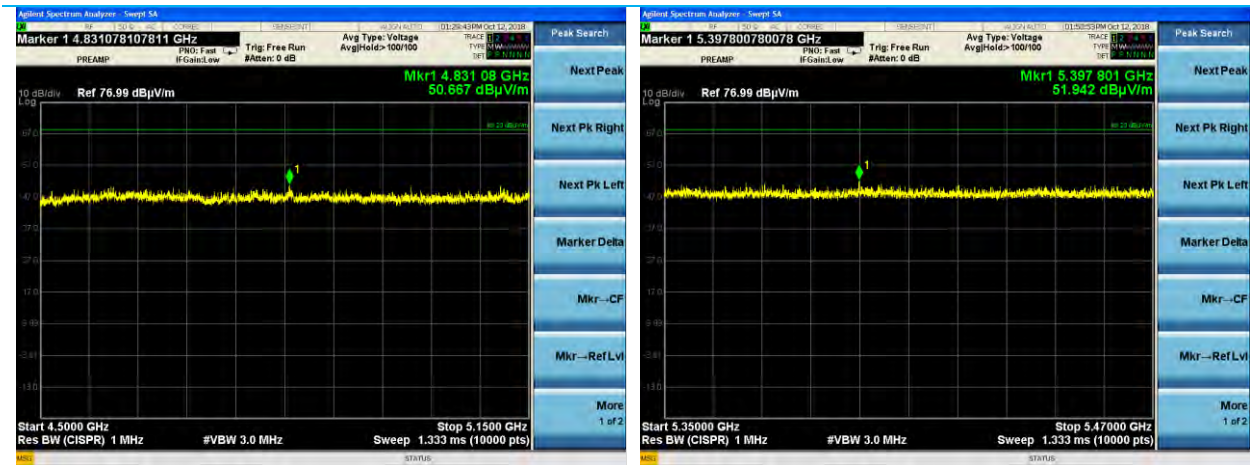


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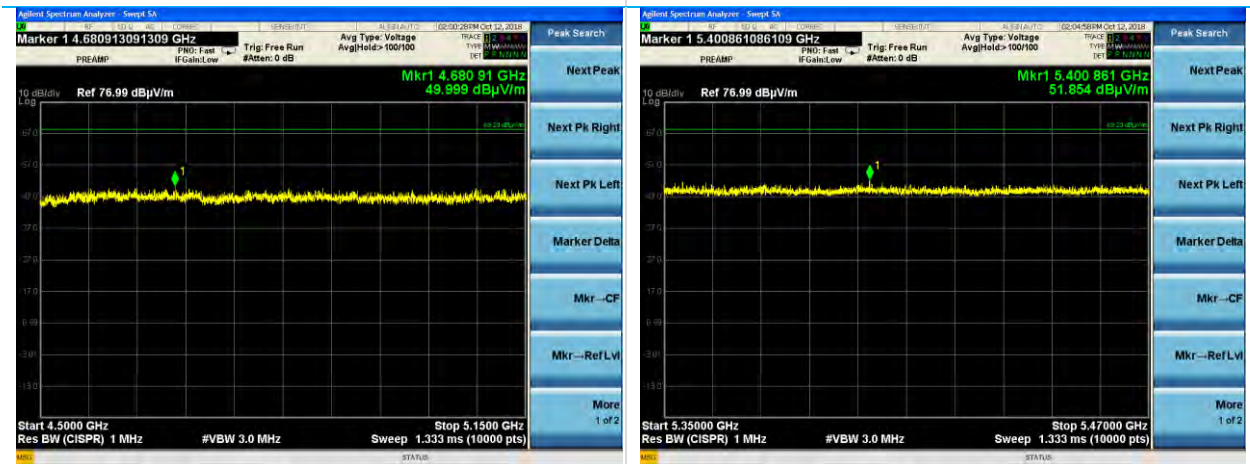
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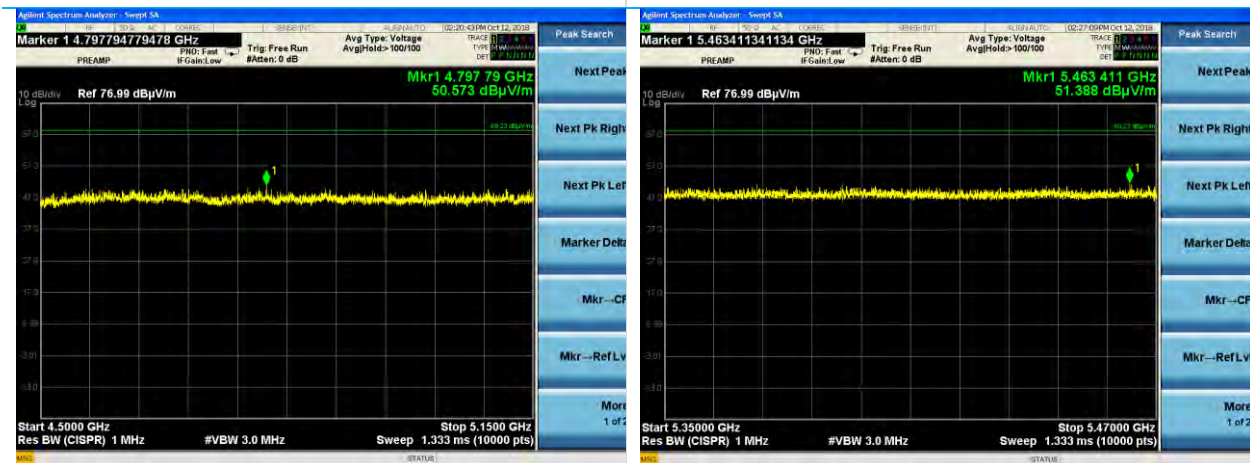
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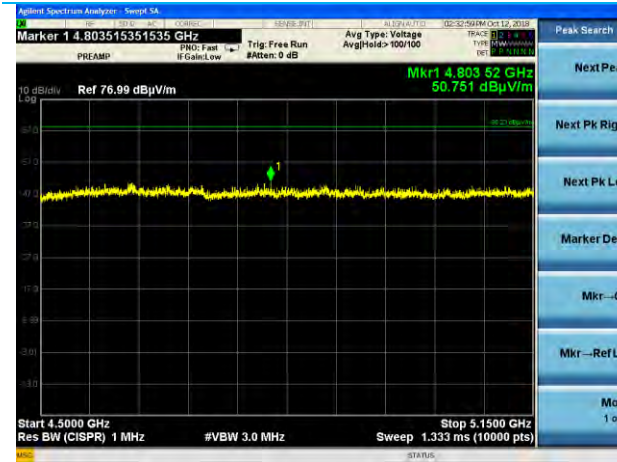
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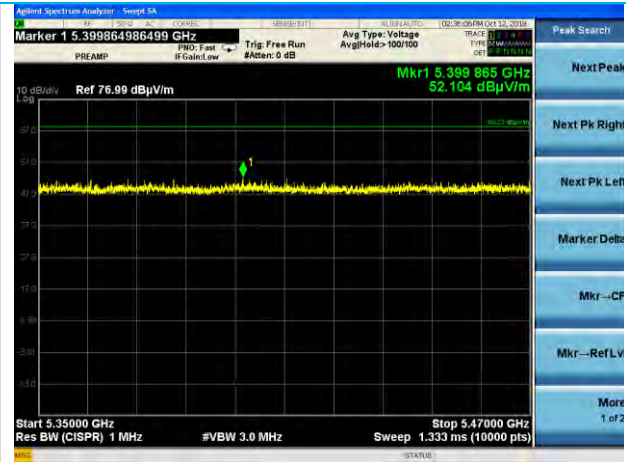


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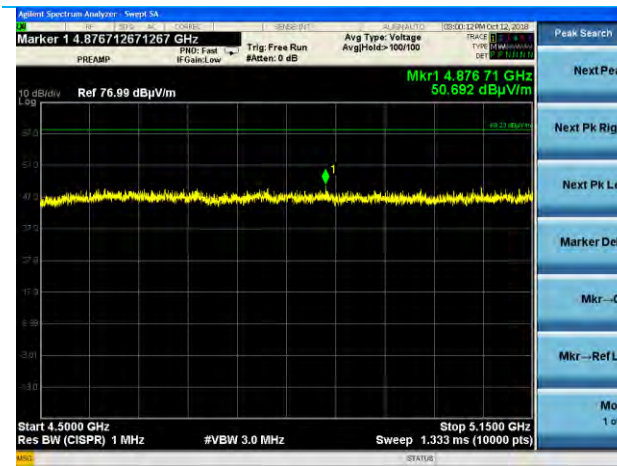
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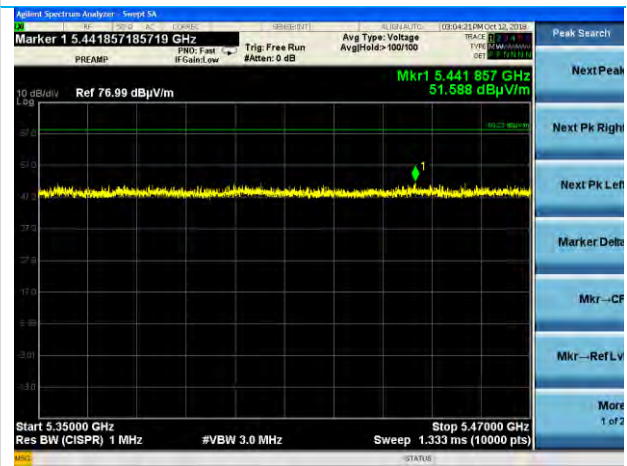
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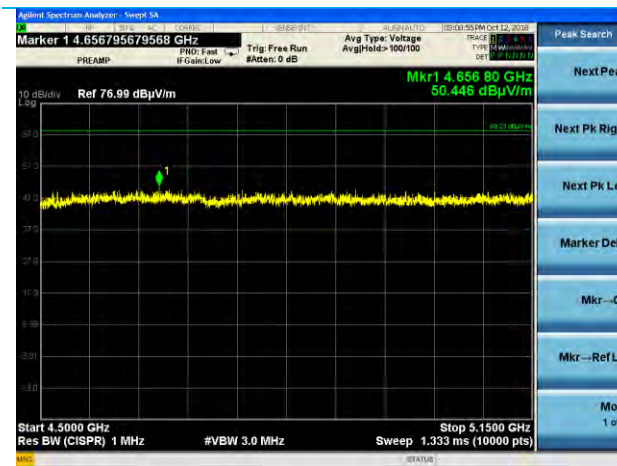
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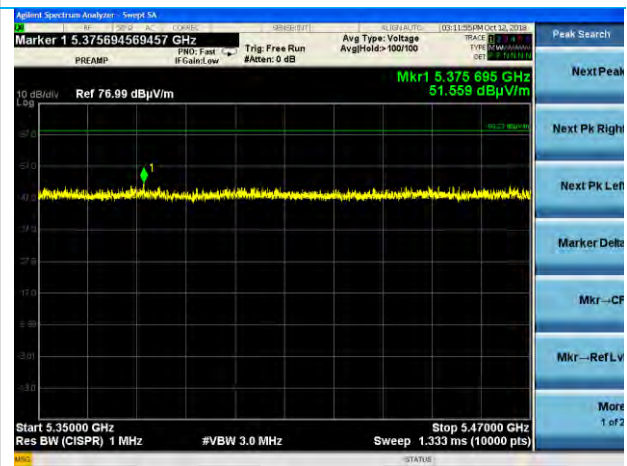
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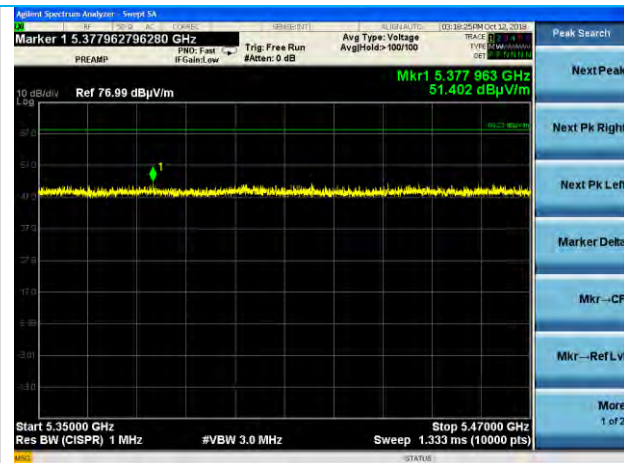
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HT40 MCS7 UBE



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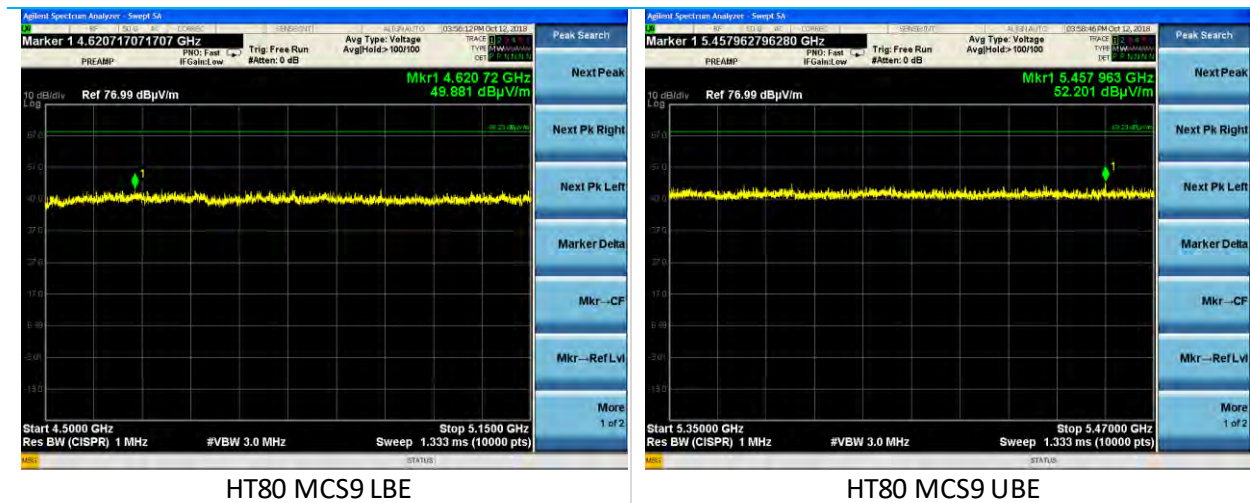


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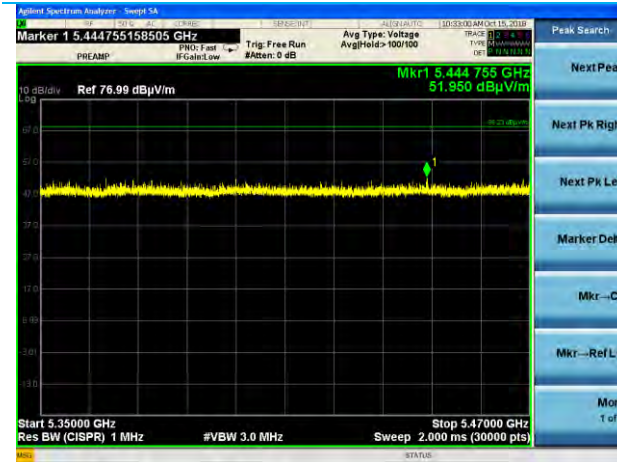
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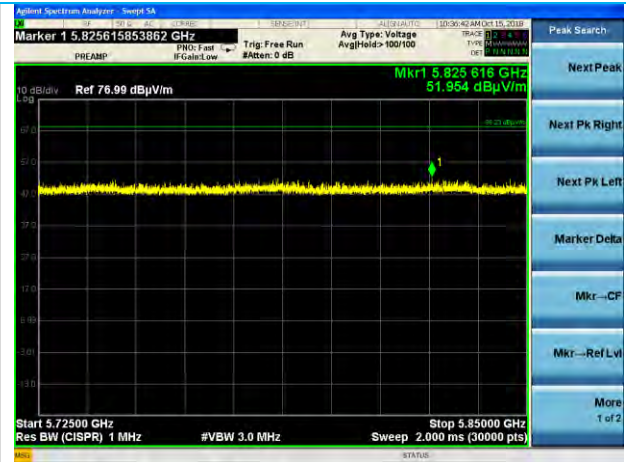


Plots – Peak Band Edges UNII 2C

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6 MBPS LBE



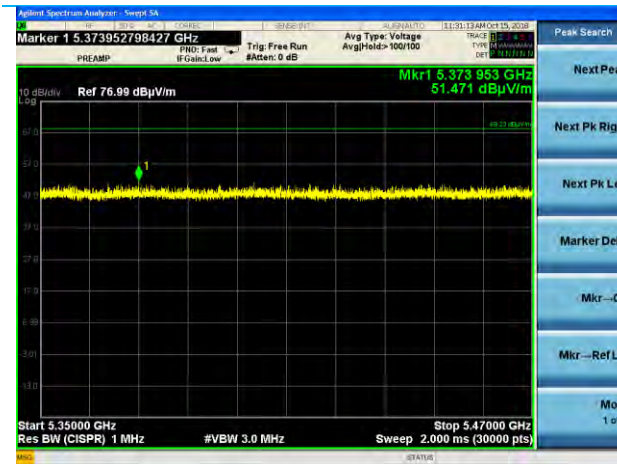
6 MBPS UBE



54 MBPS LBE



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MCS0 LBE



MCS0 UBE