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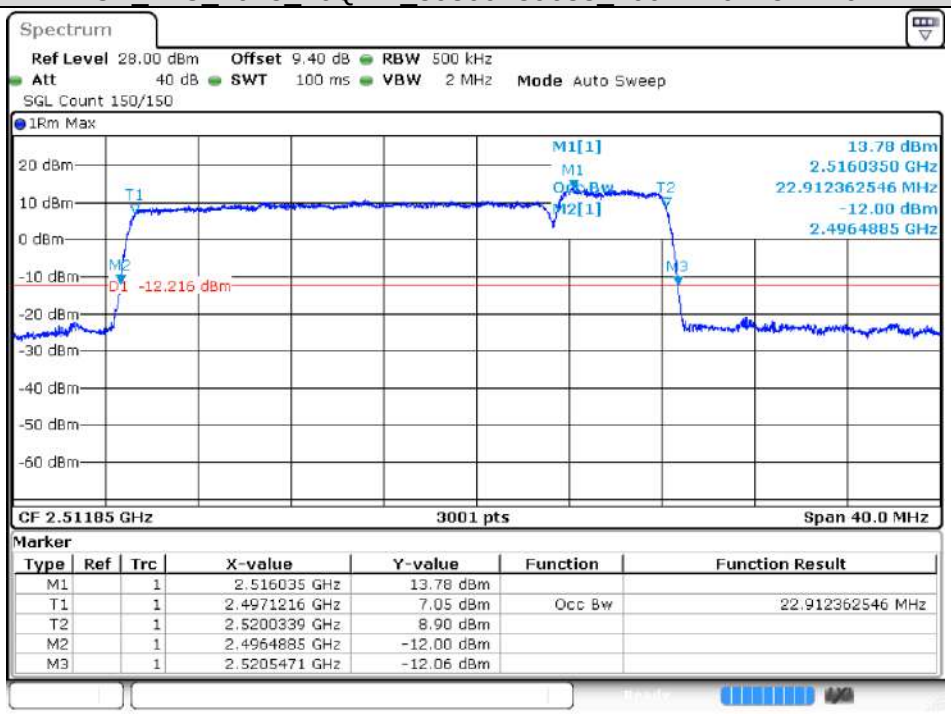

Date: 11.DEC.2020 22:47:21

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Date: 11.DEC.2020 22:48:40

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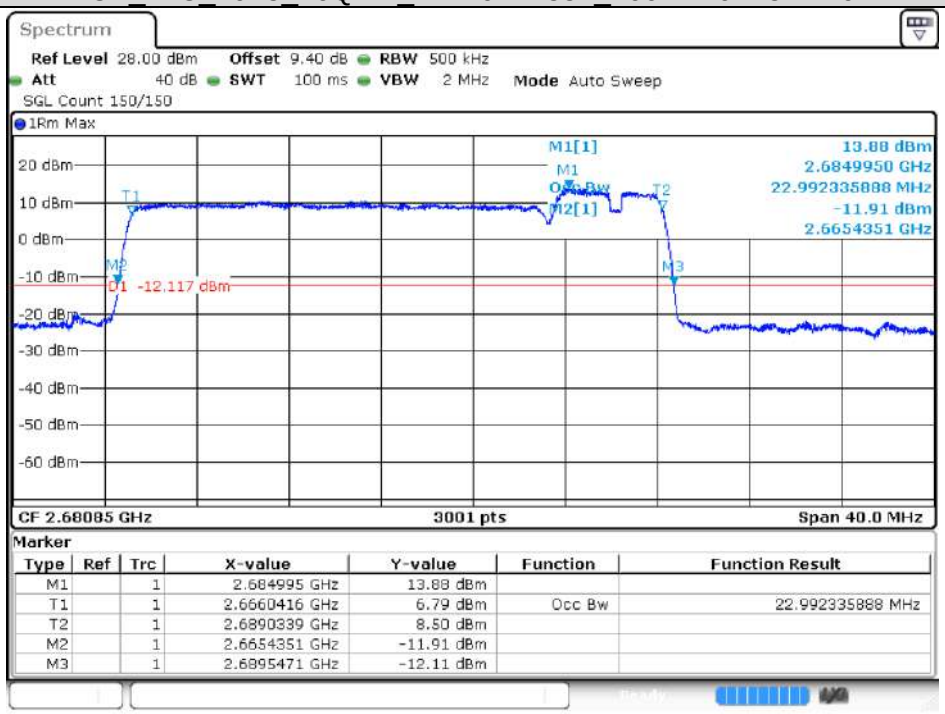

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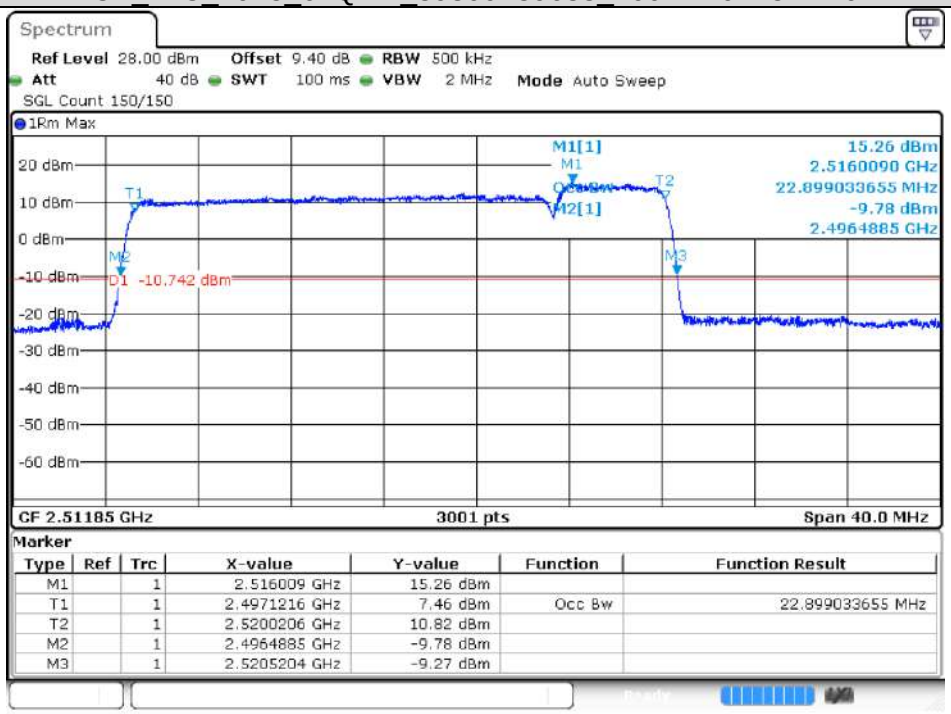

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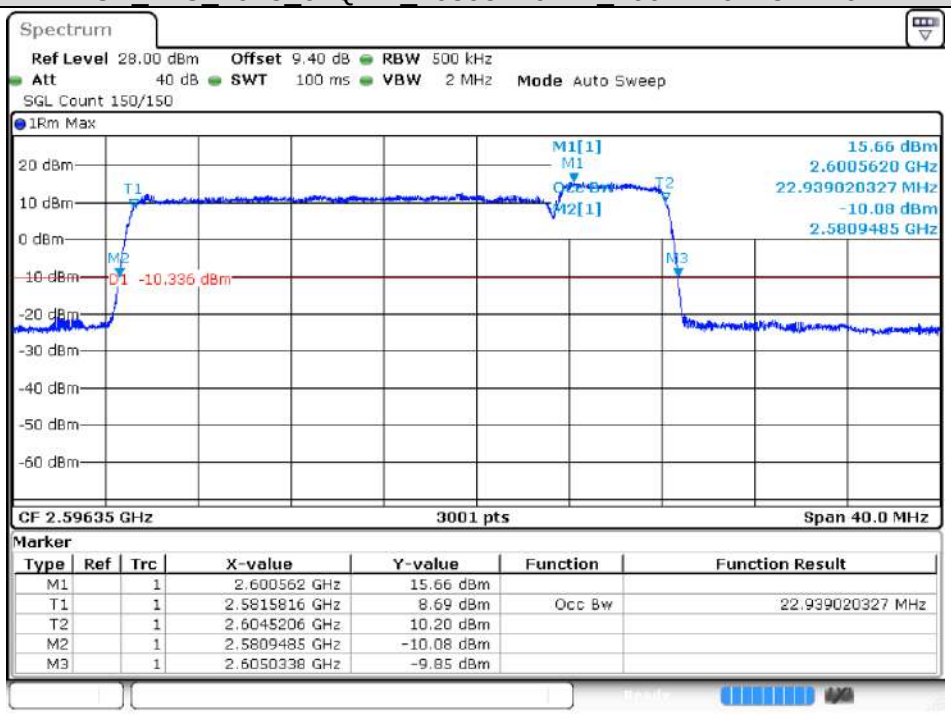

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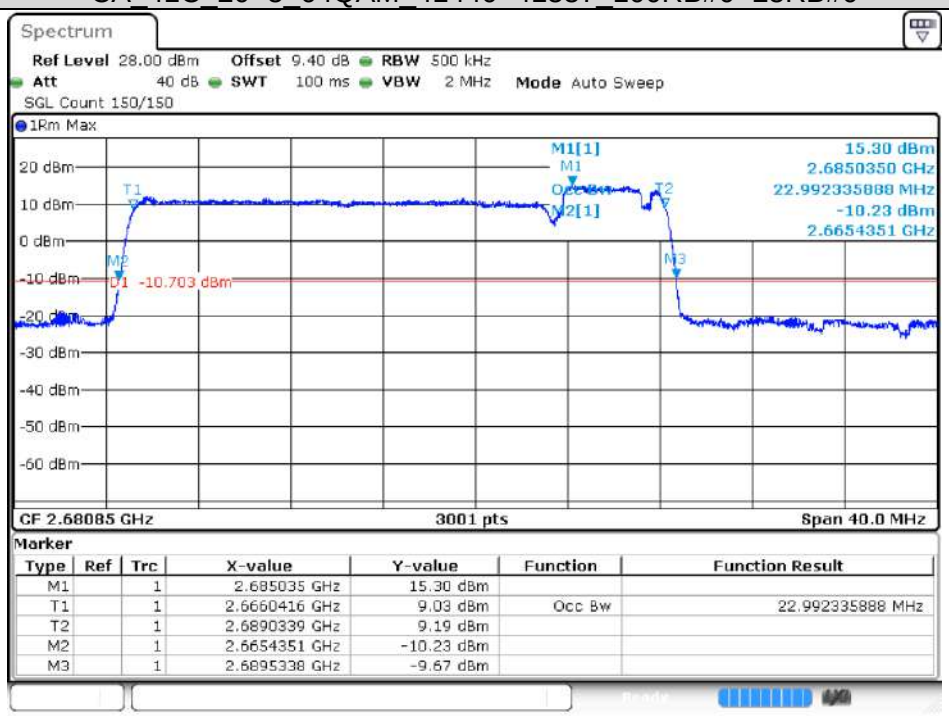

Date: 11.DEC.2020 22:50:20

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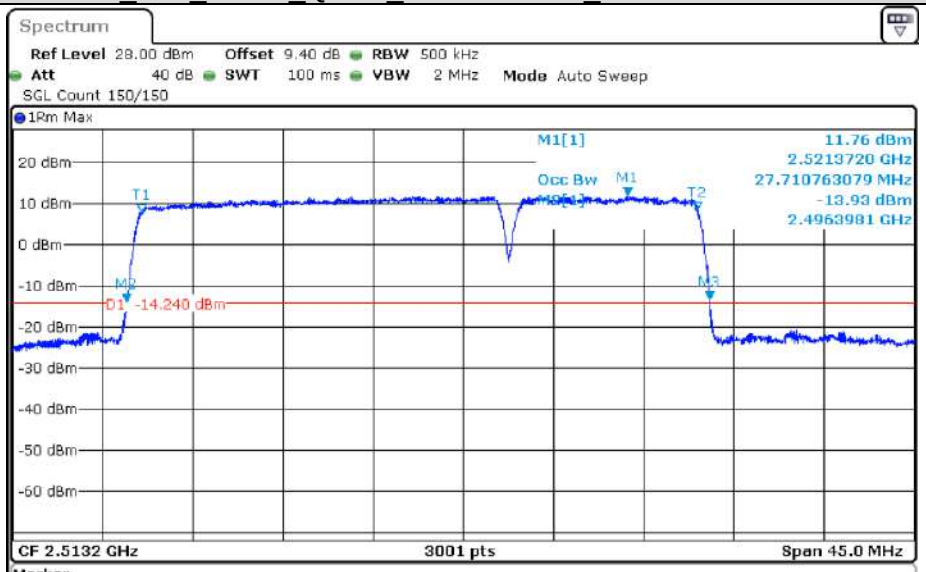
CA_41C_20+10_QPSK_39750+39894_100RB#0+50RB#0

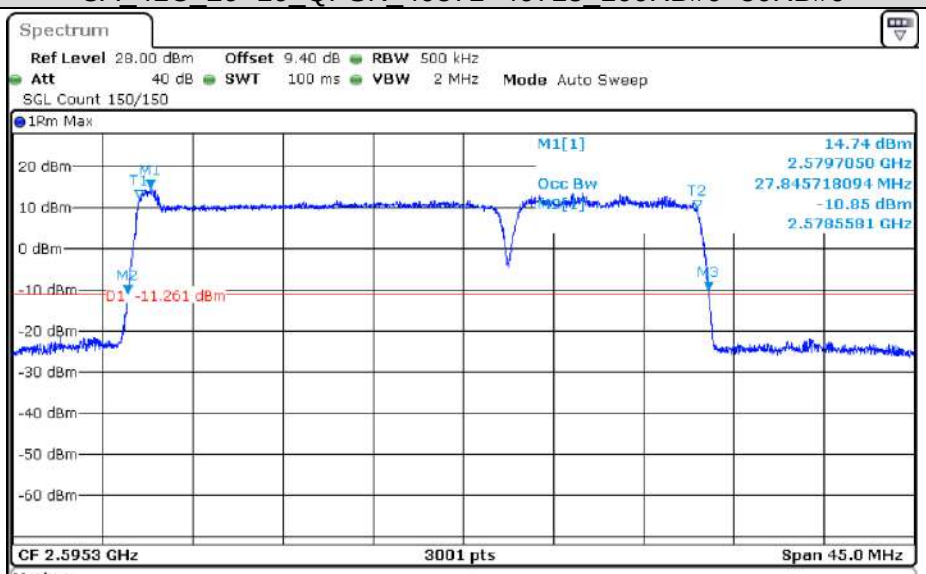


Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.521372 GHz	11.76 dBm		
T1		1	2.4971404 GHz	7.69 dBm	Occ Bw	27.710763079 MHz
T2		1	2.5248511 GHz	8.18 dBm		
M2		1	2.4963981 GHz	-13.93 dBm		
M3		1	2.5255184 GHz	-13.28 dBm		

Date: 29.DEC.2020 19:46:40

CA_41C_20+10_QPSK_40571+40715_100RB#0+50RB#0



Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.579705 GHz	14.74 dBm		
T1		1	2.5791054 GHz	12.06 dBm	Occ Bw	27.845718094 MHz
T2		1	2.6069511 GHz	9.59 dBm		
M2		1	2.5785581 GHz	-10.85 dBm		
M3		1	2.6075584 GHz	-10.06 dBm		

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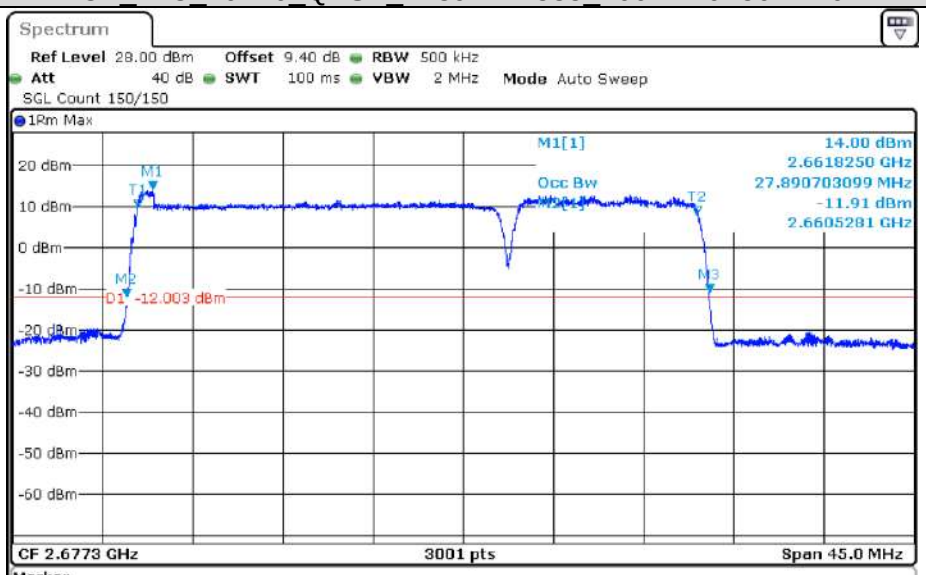

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.661825 GHz	14.00 dBm		
T1		1	2.6610604 GHz	9.66 dBm	Occ Bw	27.890703099 MHz
T2		1	2.6889511 GHz	8.08 dBm		
M2		1	2.6605281 GHz	-11.91 dBm		
M3		1	2.6895734 GHz	-10.84 dBm		

Date: 29.DEC.2020 19:49:09

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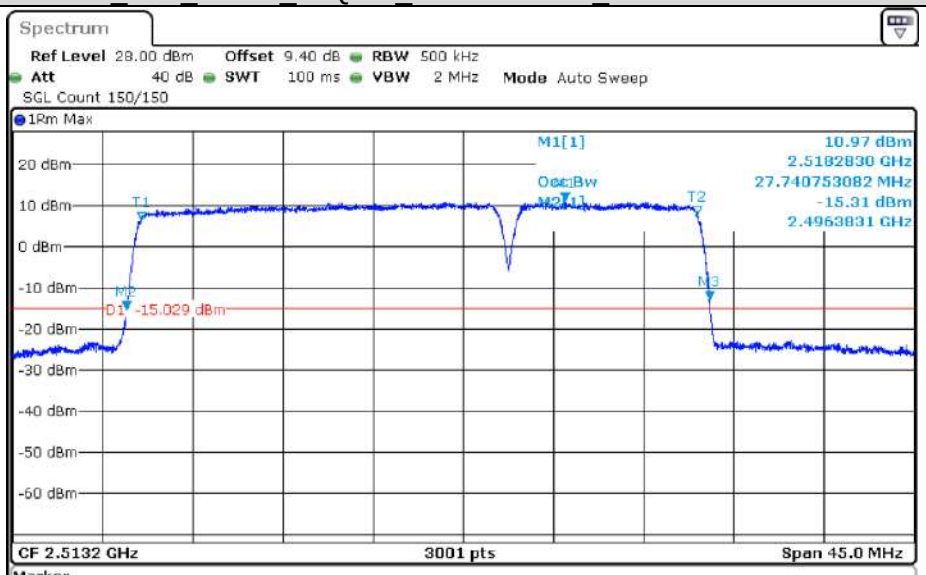

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.518283 GHz	10.97 dBm		
T1		1	2.4971254 GHz	6.32 dBm	Occ Bw	27.740753082 MHz
T2		1	2.5248661 GHz	7.79 dBm		
M2		1	2.4963831 GHz	-15.31 dBm		
M3		1	2.5254884 GHz	-12.70 dBm		

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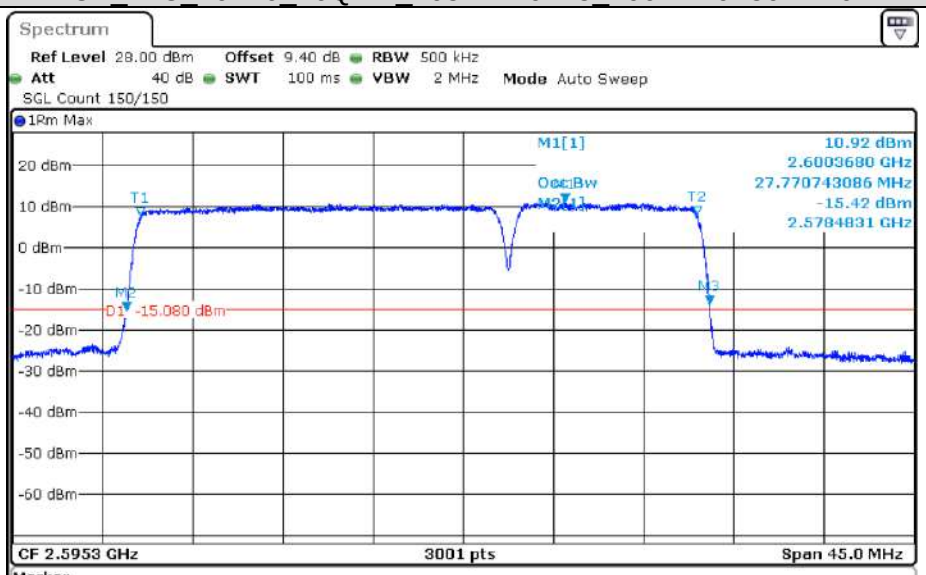

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.600368 GHz	10.92 dBm		
T1		1	2.5791954 GHz	7.59 dBm	Occ Bw	27.770743086 MHz
T2		1	2.6069661 GHz	8.13 dBm		
M2		1	2.5784831 GHz	-15.42 dBm		
M3		1	2.6076034 GHz	-13.60 dBm		

Date: 29.DEC.2020 19:48:17

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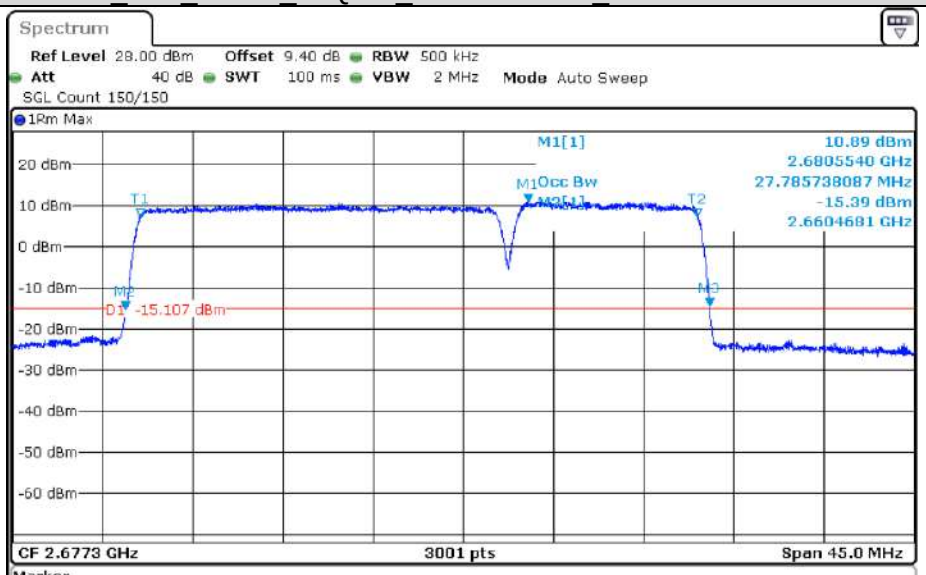

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.680554 GHz	10.89 dBm		
T1		1	2.6611804 GHz	7.09 dBm	Occ Bw	27.785738087 MHz
T2		1	2.6889661 GHz	7.03 dBm		
M2		1	2.6604681 GHz	-15.39 dBm		
M3		1	2.6896184 GHz	-14.44 dBm		

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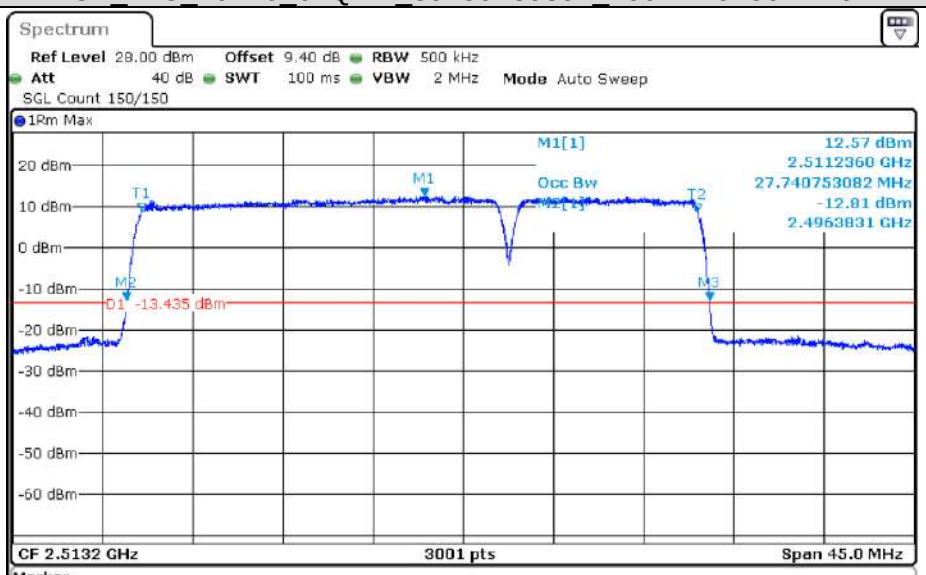

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.511236 GHz	12.57 dBm		
T1		1	2.4971254 GHz	8.76 dBm	Occ Bw	27.740753082 MHz
T2		1	2.5248661 GHz	8.55 dBm		
M2		1	2.4963831 GHz	-12.81 dBm		
M3		1	2.5254884 GHz	-12.85 dBm		

Date: 29.DEC.2020 19:47:31

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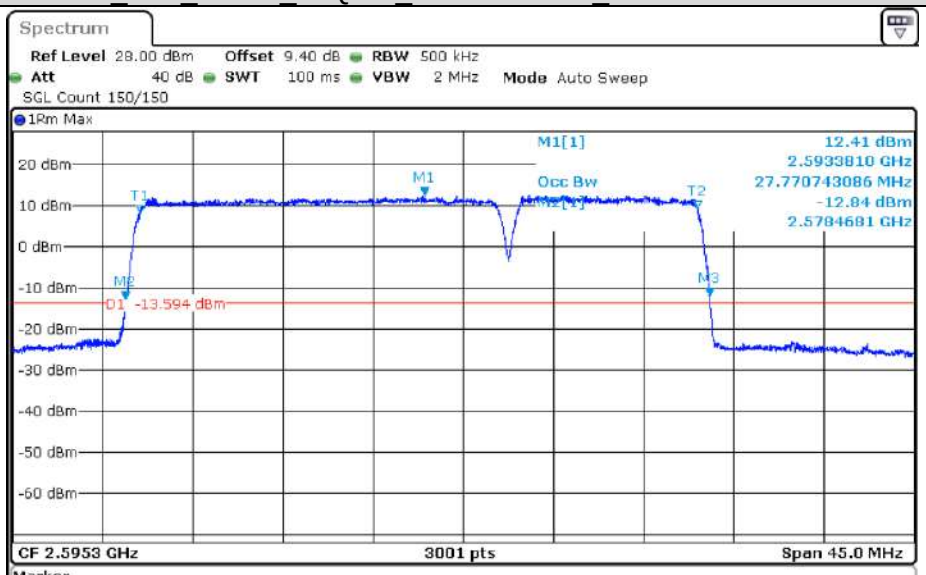

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.593381 GHz	12.41 dBm		
T1		1	2.5791804 GHz	7.87 dBm	Occ Bw	27.770743086 MHz
T2		1	2.6069511 GHz	9.24 dBm		
M2		1	2.5784681 GHz	-12.84 dBm		
M3		1	2.6076034 GHz	-12.12 dBm		

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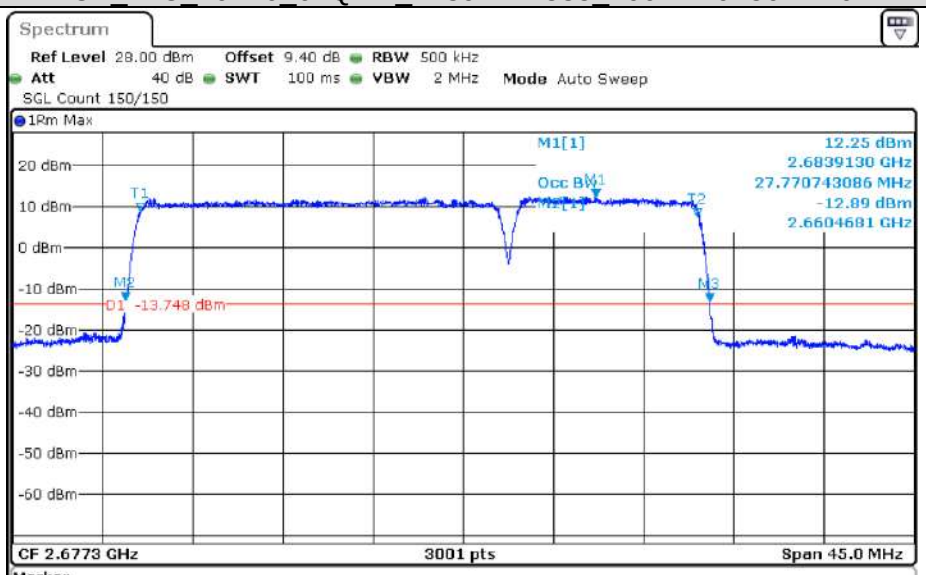

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.683913 GHz	12.25 dBm		
T1		1	2.6611804 GHz	8.73 dBm	Occ Bw	27.770743086 MHz
T2		1	2.6889511 GHz	7.49 dBm		
M2		1	2.6604681 GHz	-12.89 dBm		
M3		1	2.6895884 GHz	-13.20 dBm		

Date: 29.DEC.2020 19:49:53

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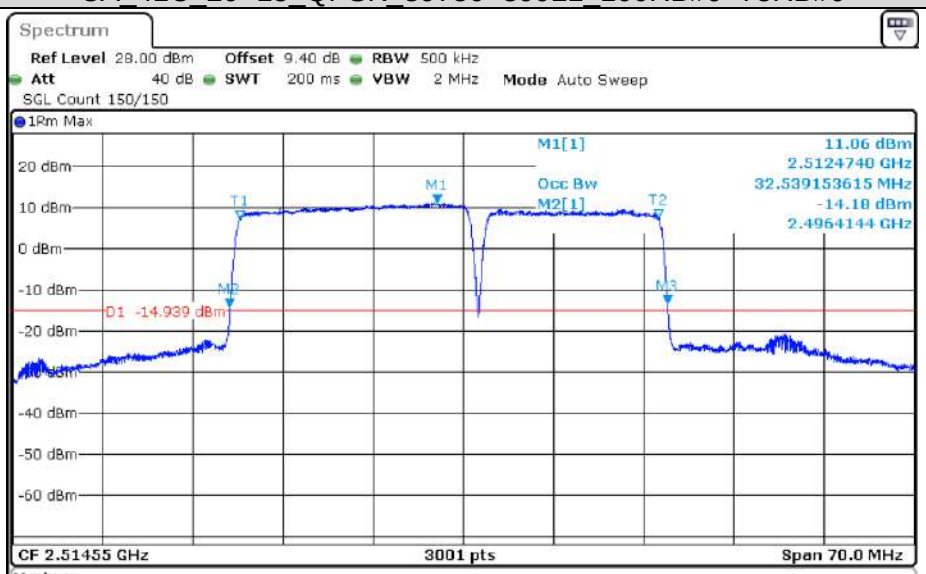

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.512474 GHz	11.06 dBm		
T1		1	2.4971725 GHz	7.14 dBm	Occ Bw	32.539153615 MHz
T2		1	2.5297116 GHz	7.57 dBm		
M2		1	2.4964144 GHz	-14.18 dBm		
M3		1	2.530423 GHz	-13.49 dBm		

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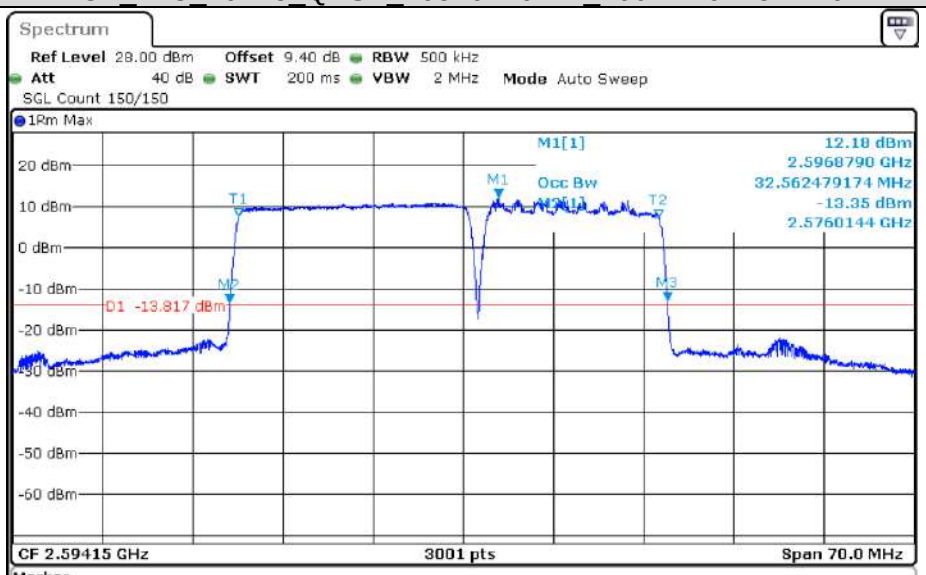

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.596879 GHz	12.18 dBm		
T1		1	2.5767258 GHz	7.42 dBm	Occ Bw	32.562479174 MHz
T2		1	2.6092883 GHz	7.30 dBm		
M2		1	2.5760144 GHz	-13.35 dBm		
M3		1	2.6099997 GHz	-12.94 dBm		

Date: 29.DEC.2020 20:09:16

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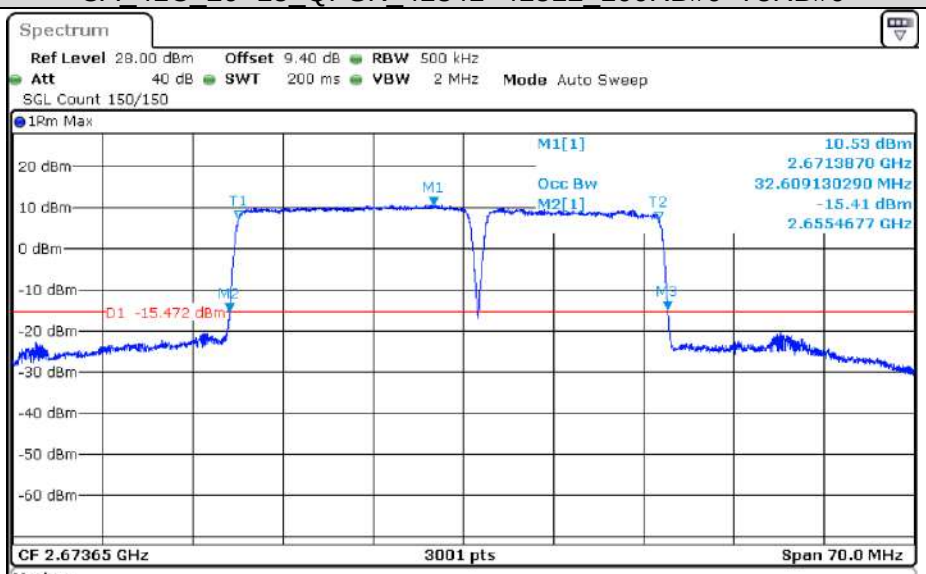

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.671387 GHz	10.53 dBm		
T1		1	2.6562025 GHz	7.28 dBm	Occ Bw	32.60913029 MHz
T2		1	2.6888116 GHz	6.87 dBm		
M2		1	2.6554677 GHz	-15.41 dBm		
M3		1	2.6895464 GHz	-14.86 dBm		

Date: 29.DEC.2020 20:11:59

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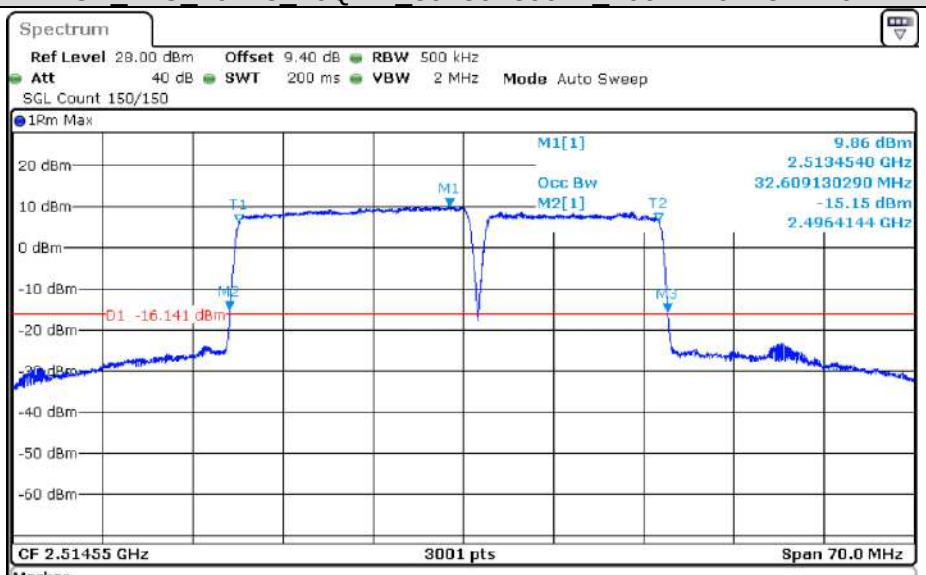

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.513454 GHz	9.86 dBm		
T1		1	2.4971258 GHz	6.18 dBm	Occ Bw	32.60913029 MHz
T2		1	2.5297349 GHz	6.42 dBm		
M2		1	2.4964144 GHz	-15.15 dBm		
M3		1	2.5304464 GHz	-15.69 dBm		

Date: 29.DEC.2020 20:07:38

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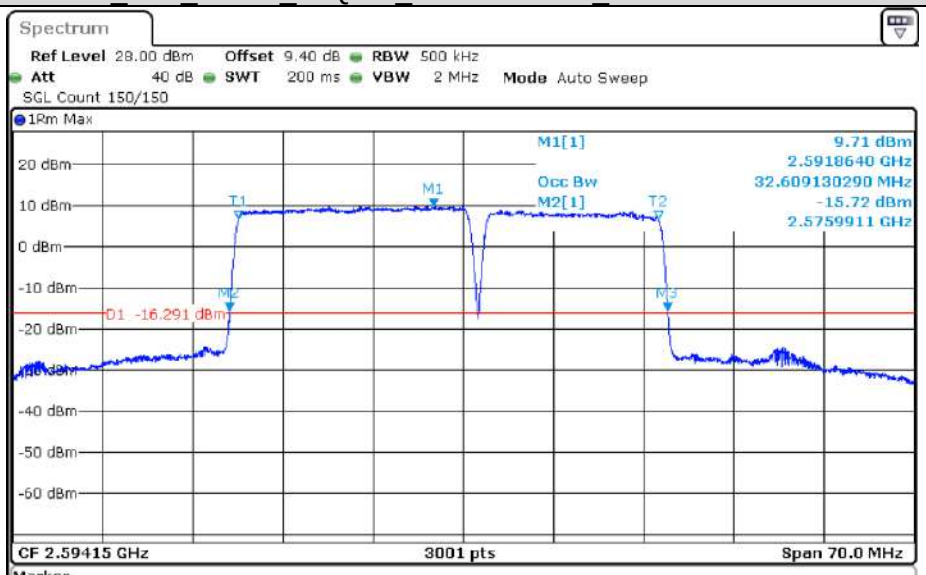

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.591864 GHz	9.71 dBm		
T1		1	2.5767025 GHz	6.75 dBm	Occ Bw	32.60913029 MHz
T2		1	2.6093116 GHz	6.49 dBm		
M2		1	2.5759911 GHz	-15.72 dBm		
M3		1	2.6100464 GHz	-15.68 dBm		

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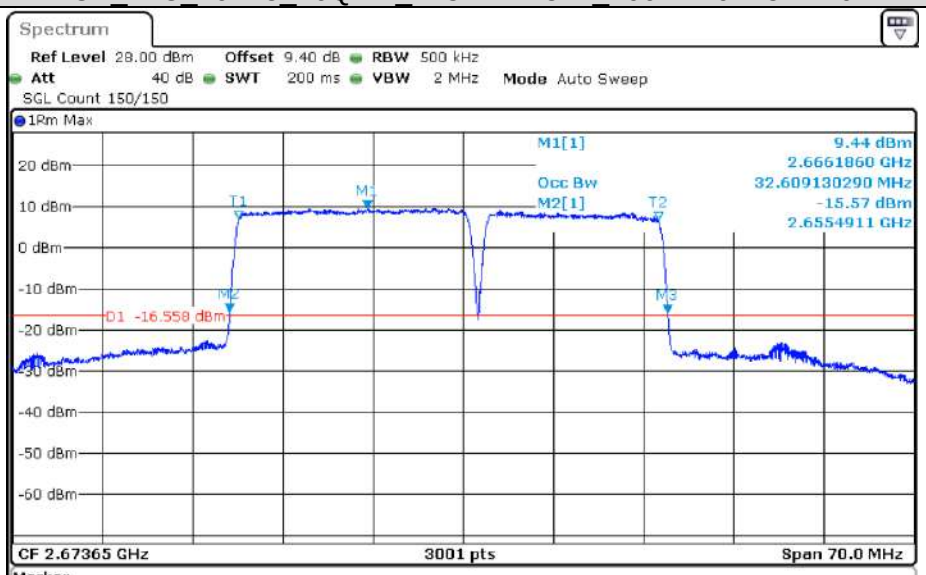
CA_41C_20+15_16QAM_41341+41512_100RB#0+75RB#0



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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.666186 GHz	9.44 dBm		
T1		1	2.6562025 GHz	6.86 dBm	Occ Bw	32.60913029 MHz
T2		1	2.6888116 GHz	6.60 dBm		
M2		1	2.6554911 GHz	-15.57 dBm		
M3		1	2.6895464 GHz	-15.87 dBm		

Date: 29.DEC.2020 20:12:39

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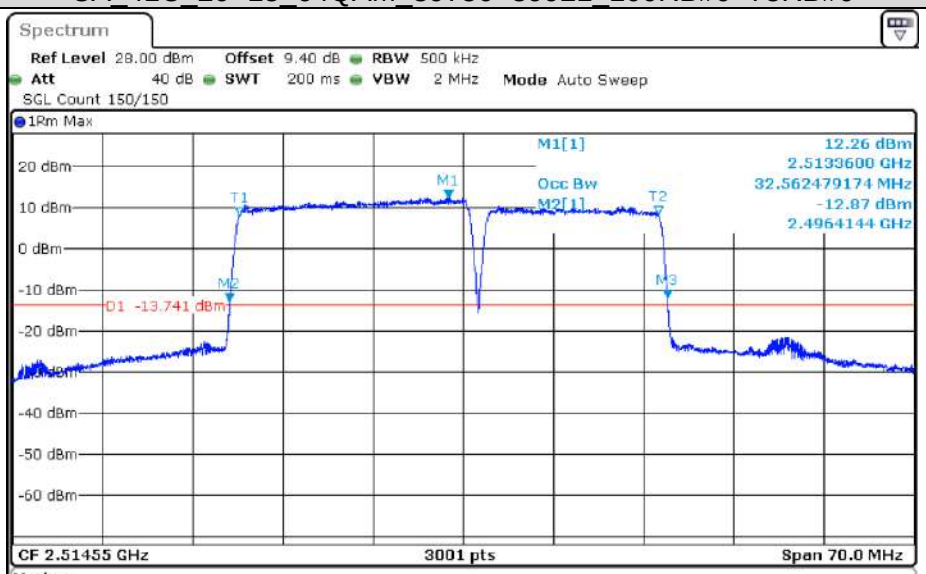

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.51336 GHz	12.26 dBm		
T1		1	2.4971491 GHz	7.89 dBm	Occ Bw	32.562479174 MHz
T2		1	2.5297116 GHz	8.32 dBm		
M2		1	2.4964144 GHz	-12.87 dBm		
M3		1	2.5303997 GHz	-11.98 dBm		

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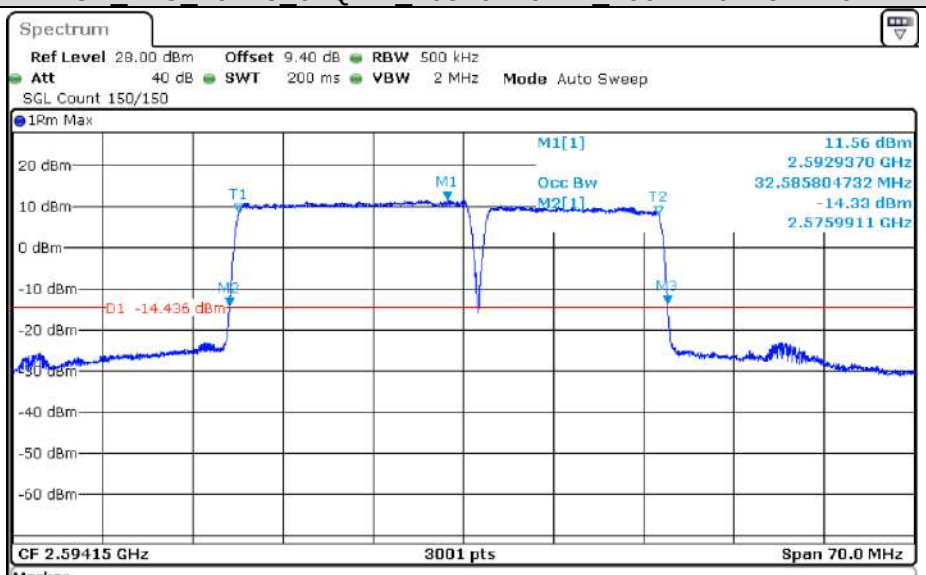

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.592937 GHz	11.56 dBm		
T1		1	2.5767025 GHz	8.57 dBm	Occ Bw	32.585804732 MHz
T2		1	2.6092883 GHz	8.06 dBm		
M2		1	2.5759911 GHz	-14.33 dBm		
M3		1	2.610023 GHz	-13.65 dBm		

Date: 29.DEC.2020 20:10:58

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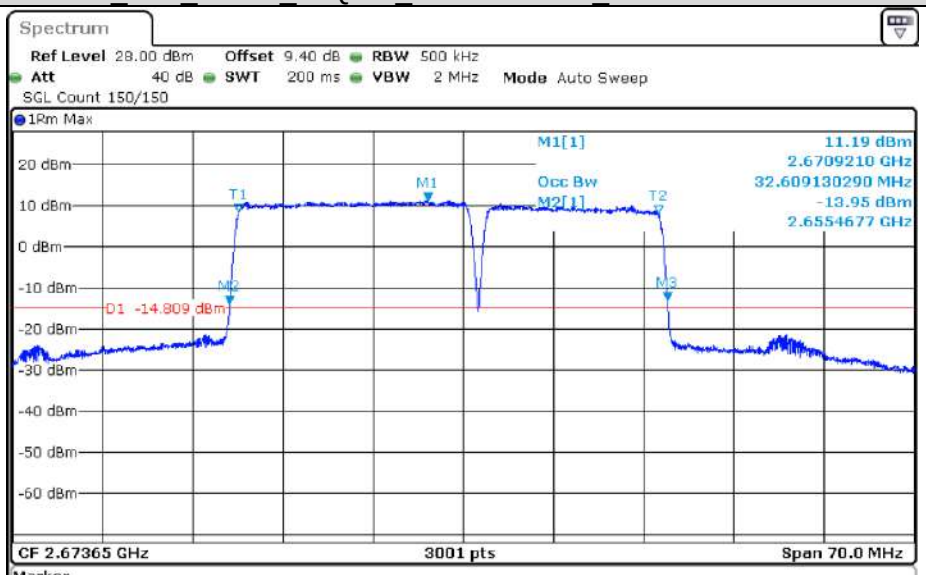

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.670921 GHz	11.19 dBm		
T1		1	2.6562025 GHz	8.35 dBm	Occ Bw	32.60913029 MHz
T2		1	2.6888116 GHz	7.97 dBm		
M2		1	2.6554677 GHz	-13.95 dBm		
M3		1	2.689523 GHz	-13.19 dBm		

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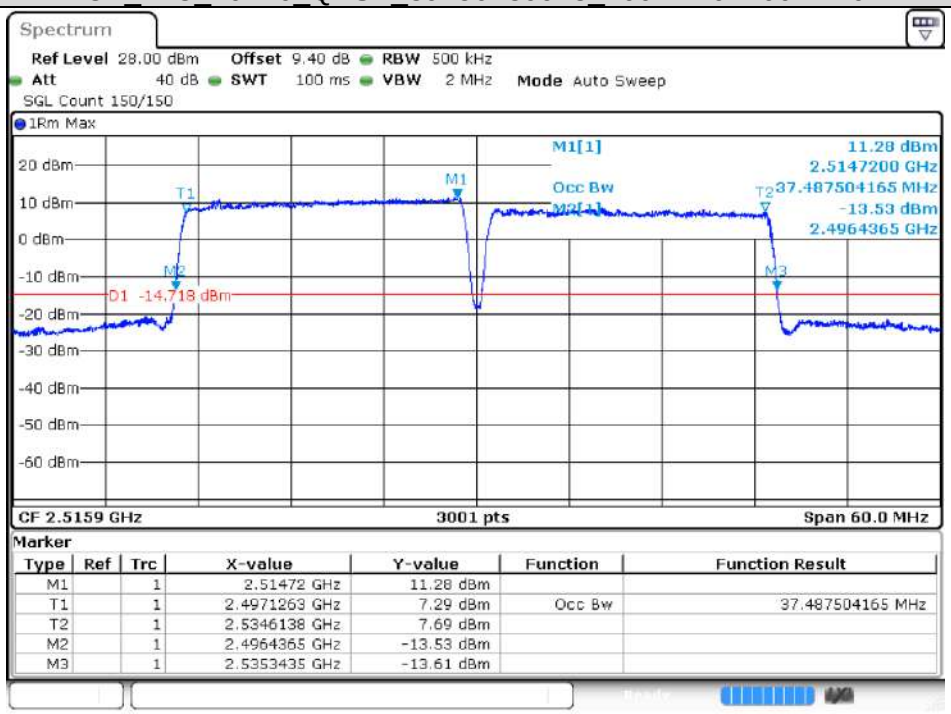

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.51472 GHz	11.28 dBm		
T1		1	2.4971263 GHz	7.29 dBm	Occ Bw	37.487504165 MHz
T2		1	2.5346138 GHz	7.69 dBm		
M2		1	2.4964365 GHz	-13.53 dBm		
M3		1	2.5353435 GHz	-13.61 dBm		

Date: 13.DEC.2020 13:29:22

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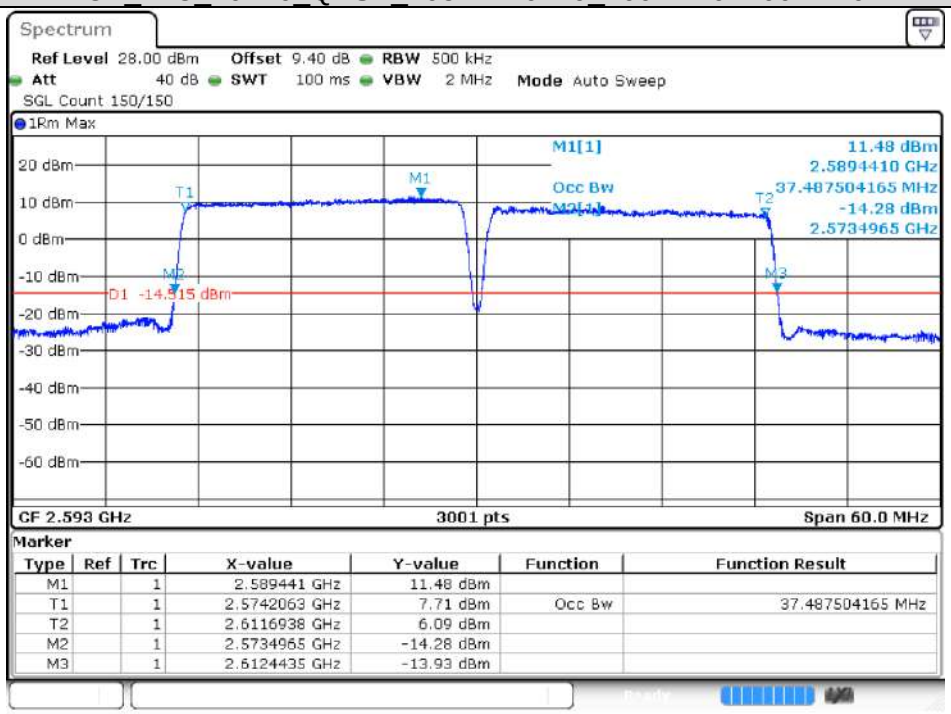

Marker

Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.589441 GHz	11.48 dBm		
T1		1	2.5742063 GHz	7.71 dBm	Occ Bw	37.487504165 MHz
T2		1	2.6116938 GHz	6.09 dBm		
M2		1	2.5734965 GHz	-14.28 dBm		
M3		1	2.6124435 GHz	-13.93 dBm		

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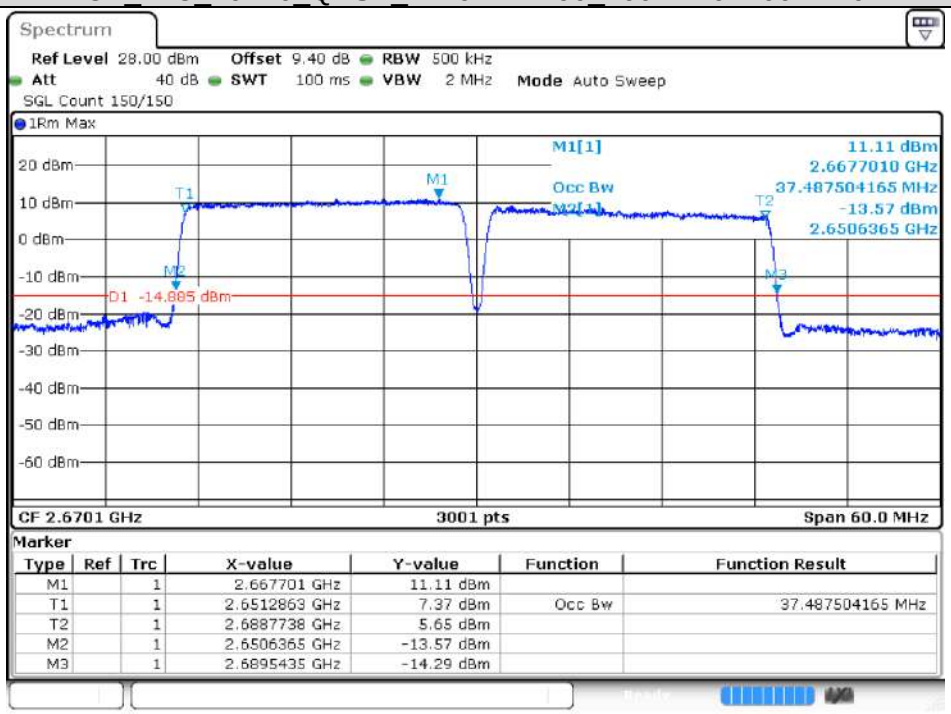

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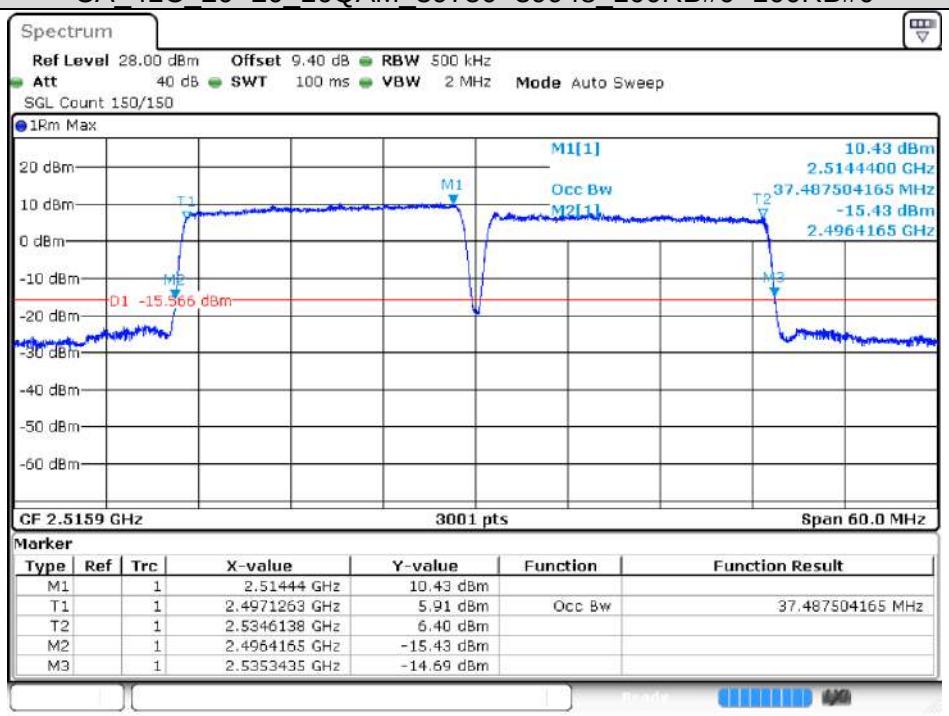

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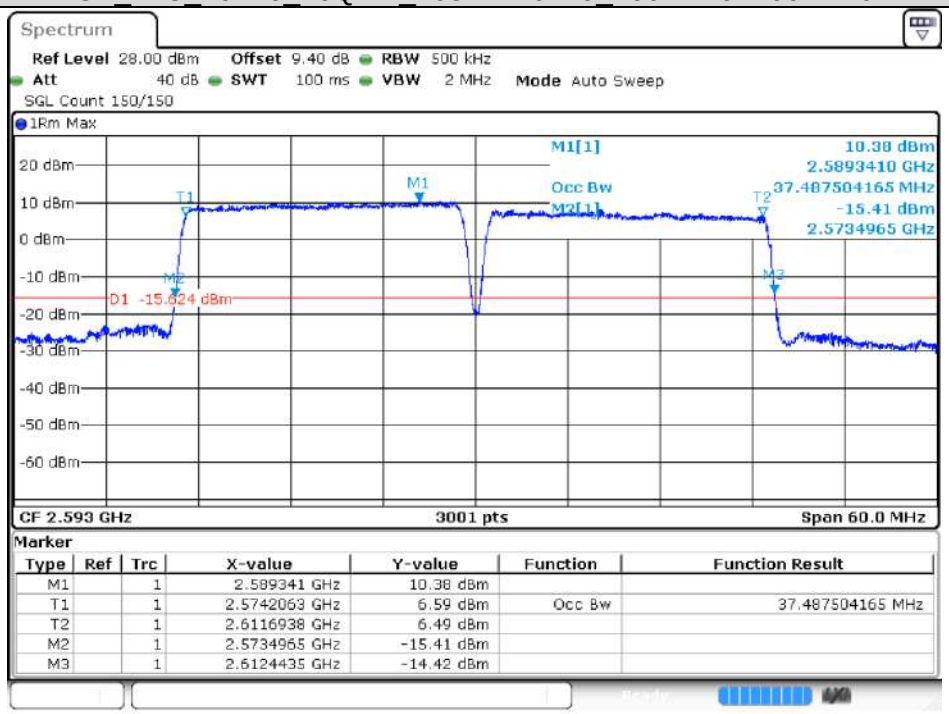

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.589341 GHz	10.38 dBm		
T1		1	2.5742063 GHz	6.59 dBm	Occ Bw	37.487504165 MHz
T2		1	2.6116938 GHz	6.49 dBm		
M2		1	2.5734965 GHz	-15.41 dBm		
M3		1	2.6124435 GHz	-14.42 dBm		

Date: 13.DEC.2020 13:31:57

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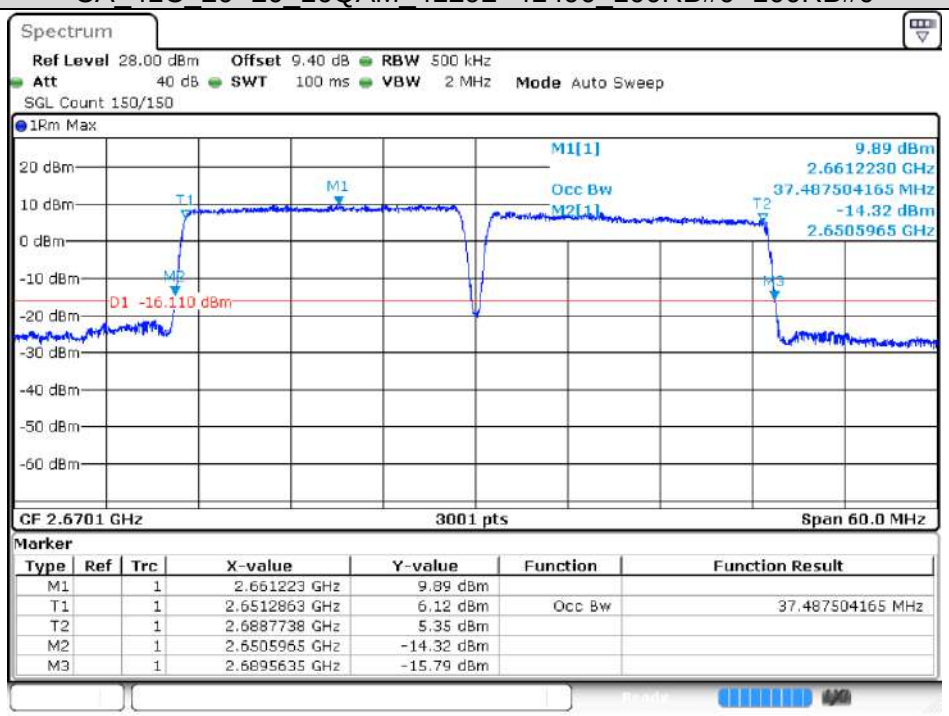

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.661223 GHz	9.89 dBm		
T1		1	2.6512863 GHz	6.12 dBm	Occ Bw	37.487504165 MHz
T2		1	2.6887738 GHz	5.35 dBm		
M2		1	2.6505965 GHz	-14.32 dBm		
M3		1	2.6895635 GHz	-15.79 dBm		

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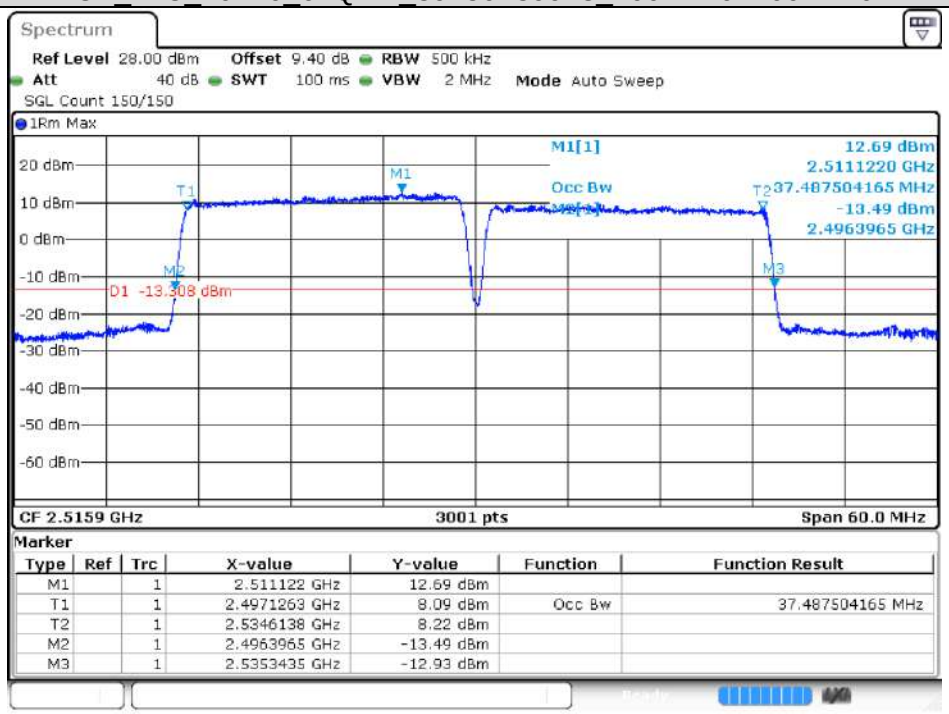

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.511122 GHz	12.69 dBm		
T1		1	2.4971263 GHz	8.09 dBm	Occ Bw	37.487504165 MHz
T2		1	2.5346138 GHz	8.22 dBm		
M2		1	2.4963965 GHz	-13.49 dBm		
M3		1	2.5353435 GHz	-12.93 dBm		

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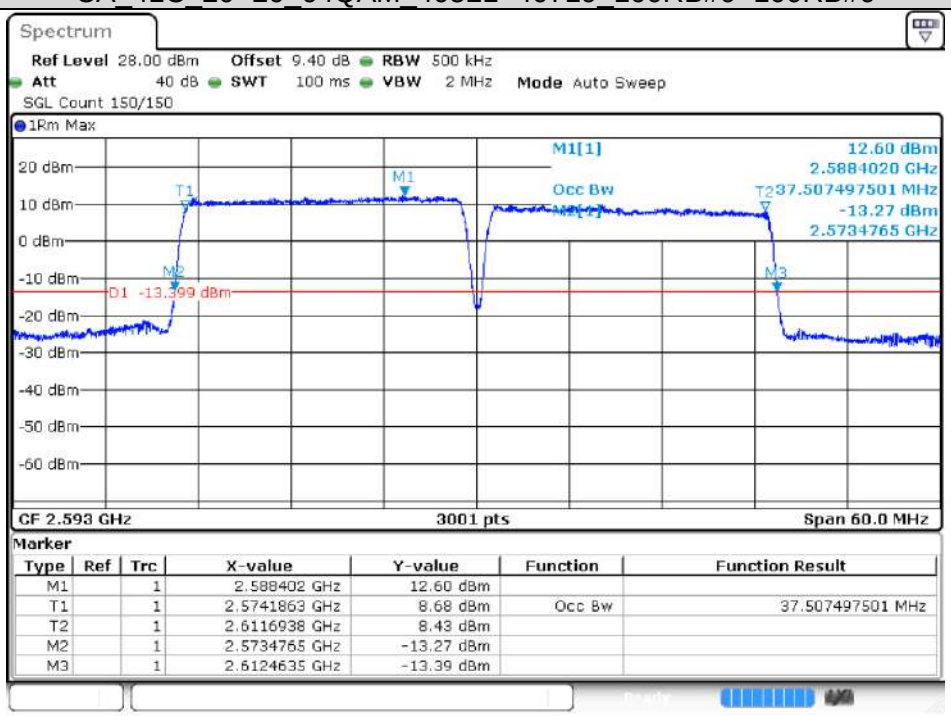

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Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1		1	2.588402 GHz	12.60 dBm		
T1		1	2.5741863 GHz	8.68 dBm	Occ Bw	37.507497501 MHz
T2		1	2.6116938 GHz	8.43 dBm		
M2		1	2.5734765 GHz	-13.27 dBm		
M3		1	2.6124635 GHz	-13.39 dBm		

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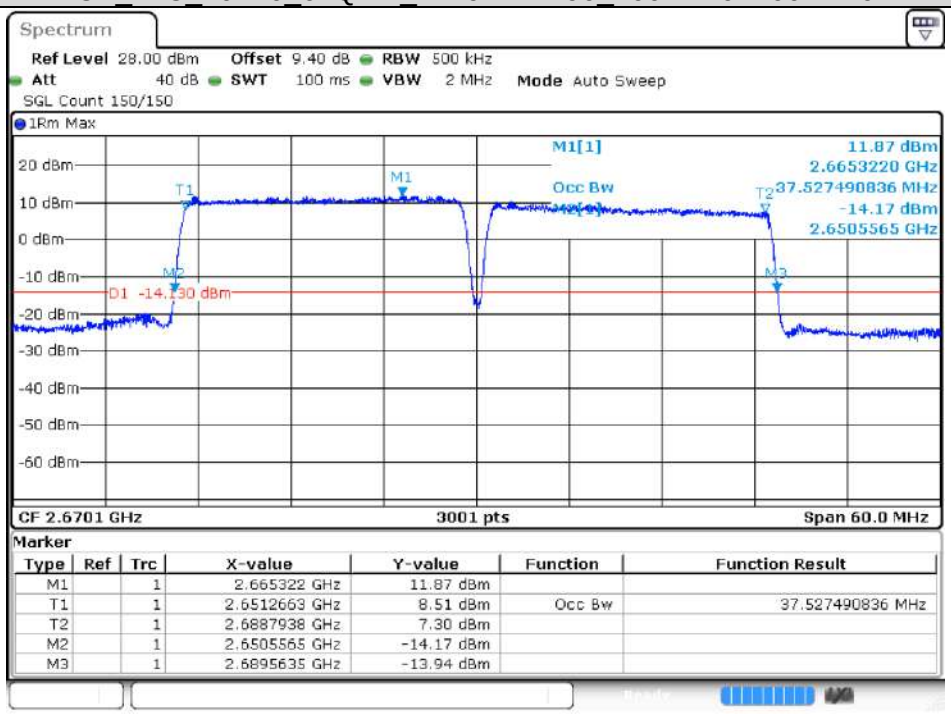

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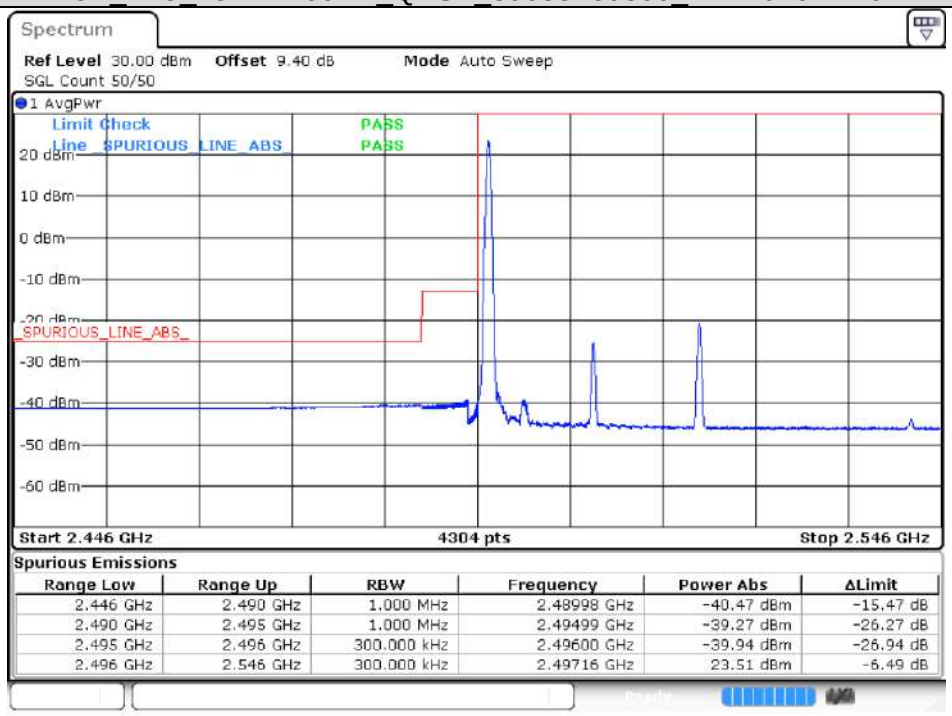
5 Band Edges Compliance

5.1 For LTE

5.1.1 Test Band = LTE Band CA_41C

CA_41C_25RB+100RB_QPSK_39683+39800_1RB#0+0RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48998 GHz	-40.47 dBm	-15.47 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-39.27 dBm	-26.27 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49600 GHz	-39.94 dBm	-26.94 dB
2.496 GHz	2.546 GHz	300.000 kHz	2.49716 GHz	23.51 dBm	-6.49 dB

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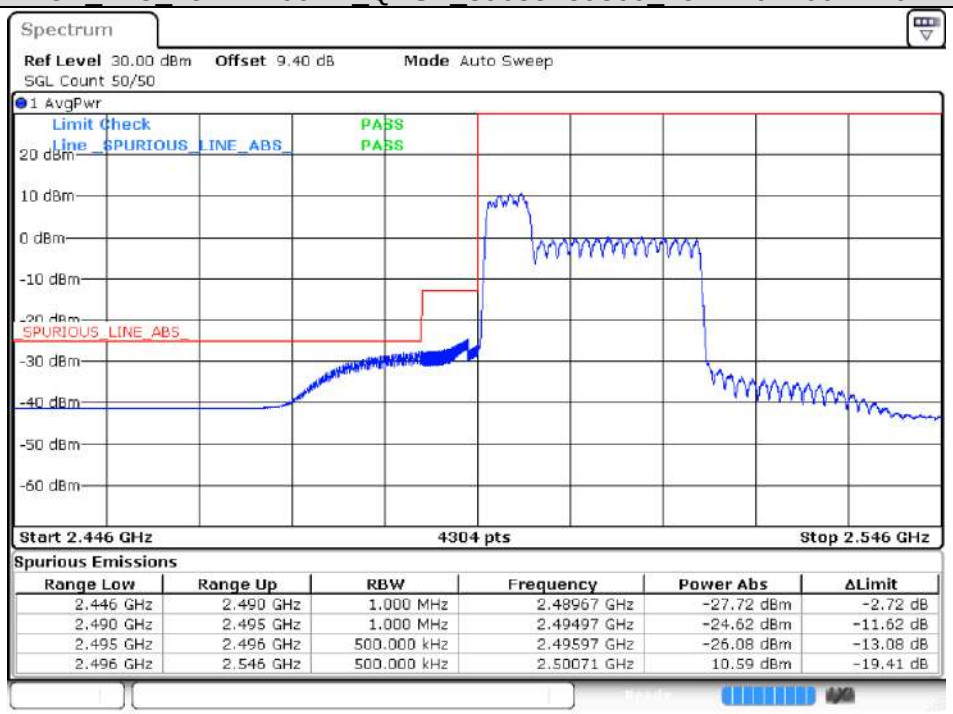

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48967 GHz	-27.72 dBm	-2.72 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-24.62 dBm	-11.62 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49597 GHz	-26.08 dBm	-13.08 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.50071 GHz	10.59 dBm	-19.41 dB

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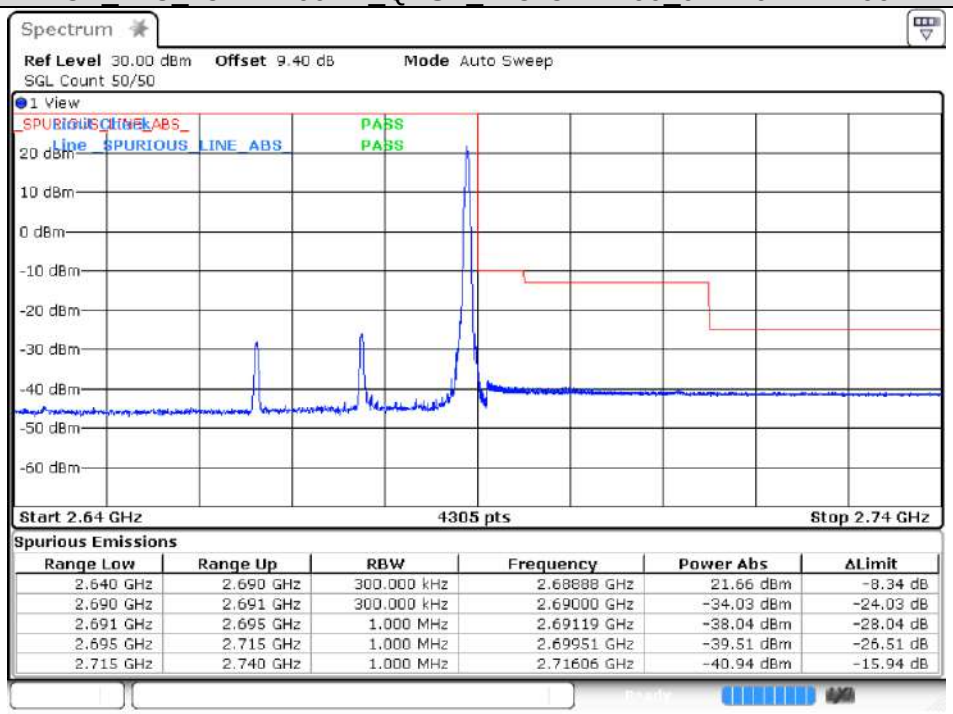

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68888 GHz	21.66 dBm	-8.34 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69000 GHz	-34.03 dBm	-24.03 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69119 GHz	-38.04 dBm	-28.04 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69951 GHz	-39.51 dBm	-26.51 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.71606 GHz	-40.94 dBm	-15.94 dB

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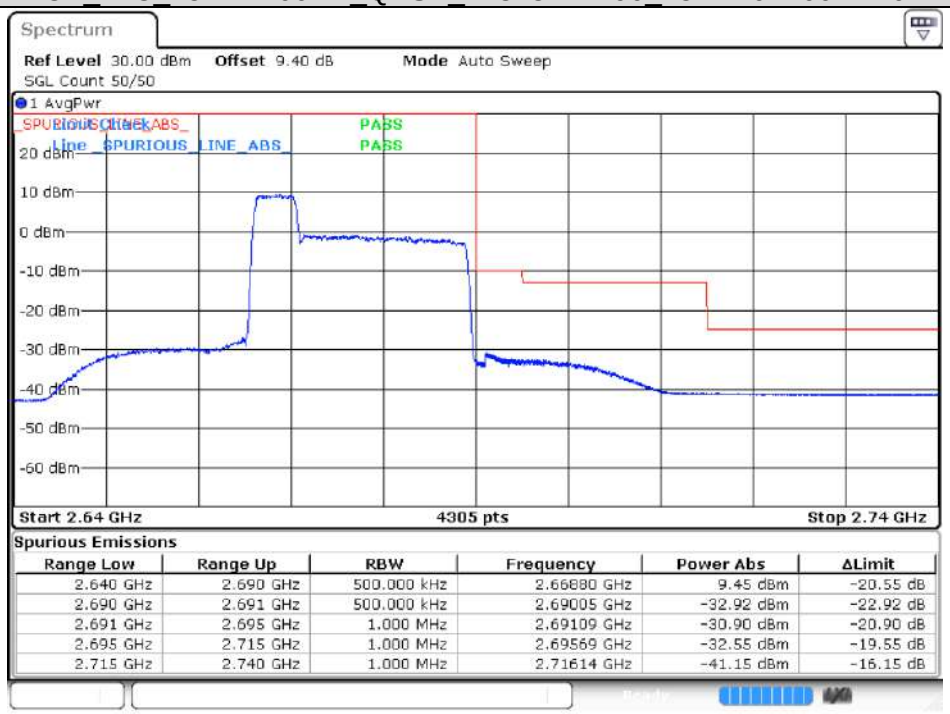

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.66880 GHz	9.45 dBm	-20.55 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69005 GHz	-32.92 dBm	-22.92 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-30.90 dBm	-20.90 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69569 GHz	-32.55 dBm	-19.55 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.71614 GHz	-41.15 dBm	-16.15 dB

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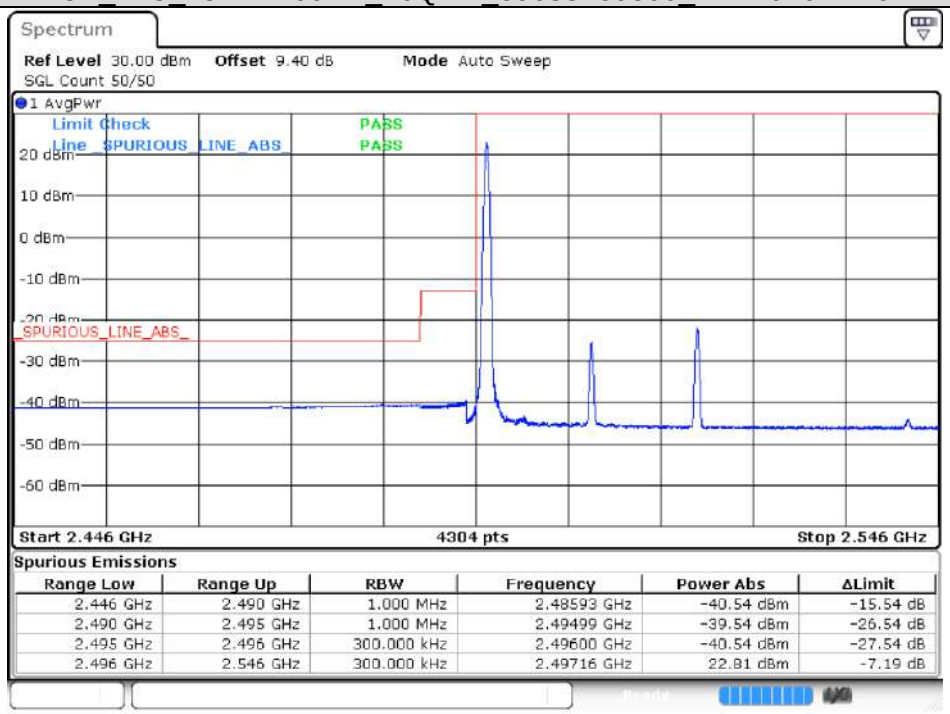

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48593 GHz	-40.54 dBm	-15.54 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49499 GHz	-39.54 dBm	-26.54 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49600 GHz	-40.54 dBm	-27.54 dB
2.496 GHz	2.546 GHz	300.000 kHz	2.49716 GHz	22.81 dBm	-7.19 dB

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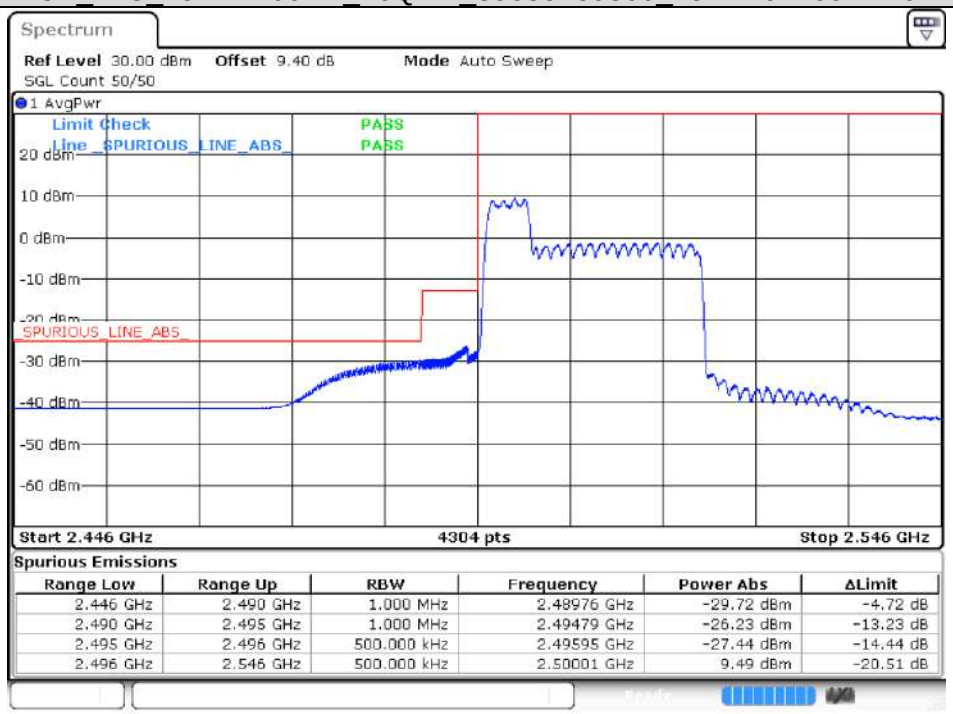

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48976 GHz	-29.72 dBm	-4.72 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49479 GHz	-26.23 dBm	-13.23 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49595 GHz	-27.44 dBm	-14.44 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.50001 GHz	9.49 dBm	-20.51 dB

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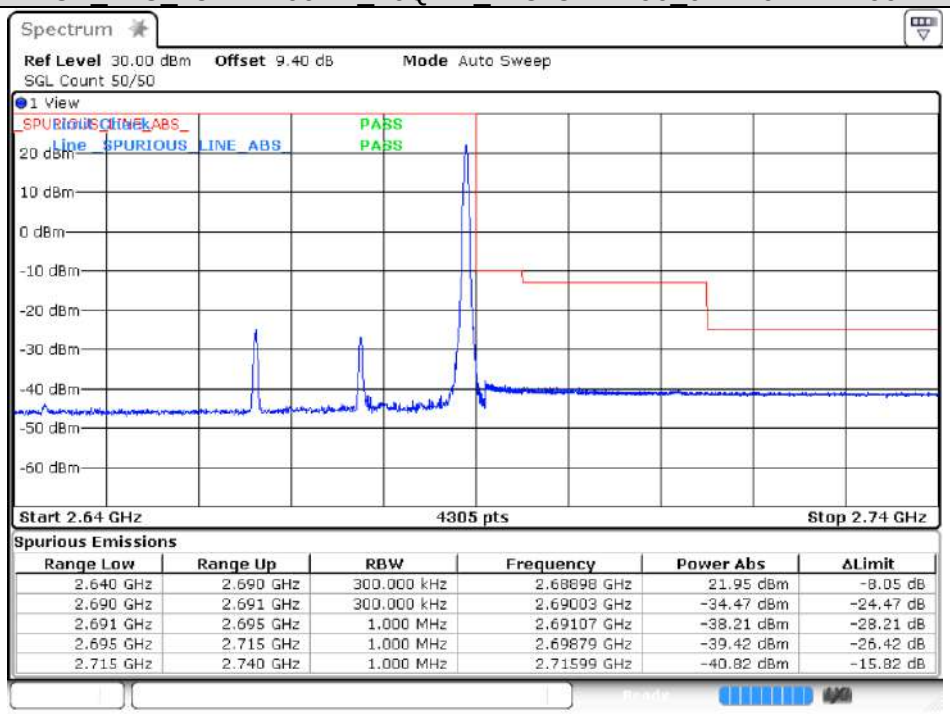

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68898 GHz	21.95 dBm	-8.05 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69003 GHz	-34.47 dBm	-24.47 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-38.21 dBm	-28.21 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69879 GHz	-39.42 dBm	-26.42 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.71599 GHz	-40.82 dBm	-15.82 dB

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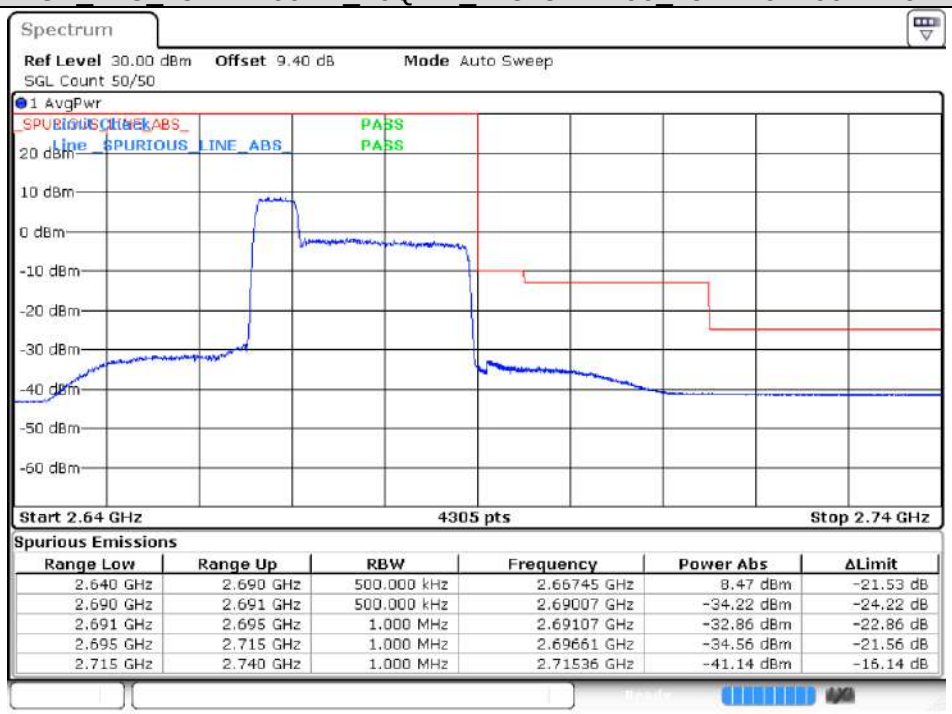

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.66745 GHz	8.47 dBm	-21.53 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69007 GHz	-34.22 dBm	-24.22 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69107 GHz	-32.86 dBm	-22.86 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69661 GHz	-34.56 dBm	-21.56 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.71536 GHz	-41.14 dBm	-16.14 dB

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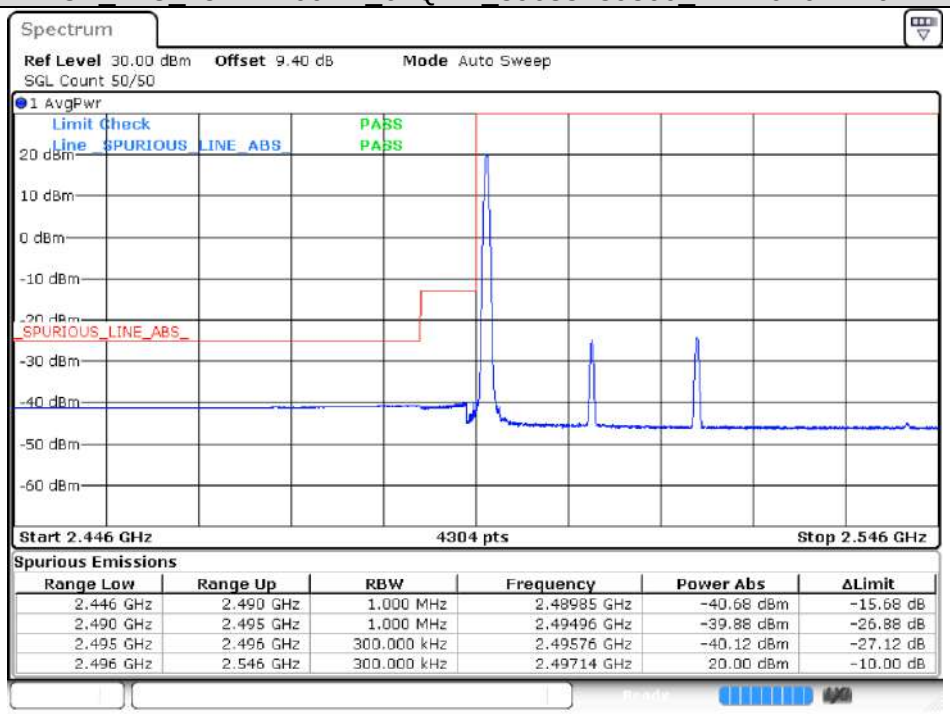

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48985 GHz	-40.68 dBm	-15.68 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-39.88 dBm	-26.88 dB
2.495 GHz	2.496 GHz	300.000 kHz	2.49576 GHz	-40.12 dBm	-27.12 dB
2.496 GHz	2.546 GHz	300.000 kHz	2.49714 GHz	20.00 dBm	-10.00 dB

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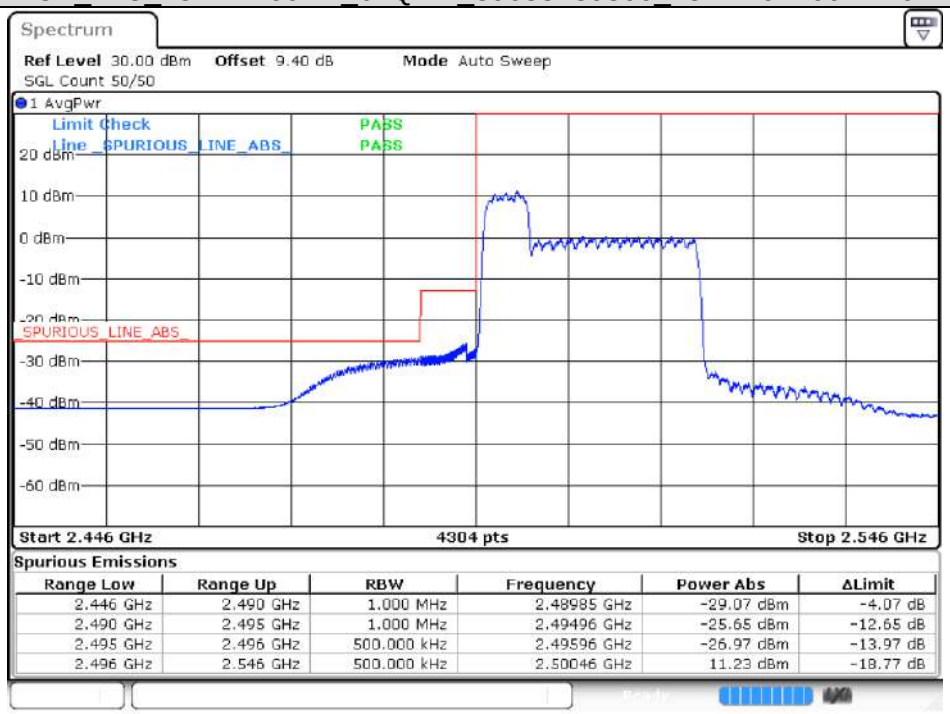

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48985 GHz	-29.07 dBm	-4.07 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49496 GHz	-25.65 dBm	-12.65 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49596 GHz	-26.97 dBm	-13.97 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.50046 GHz	11.23 dBm	-18.77 dB

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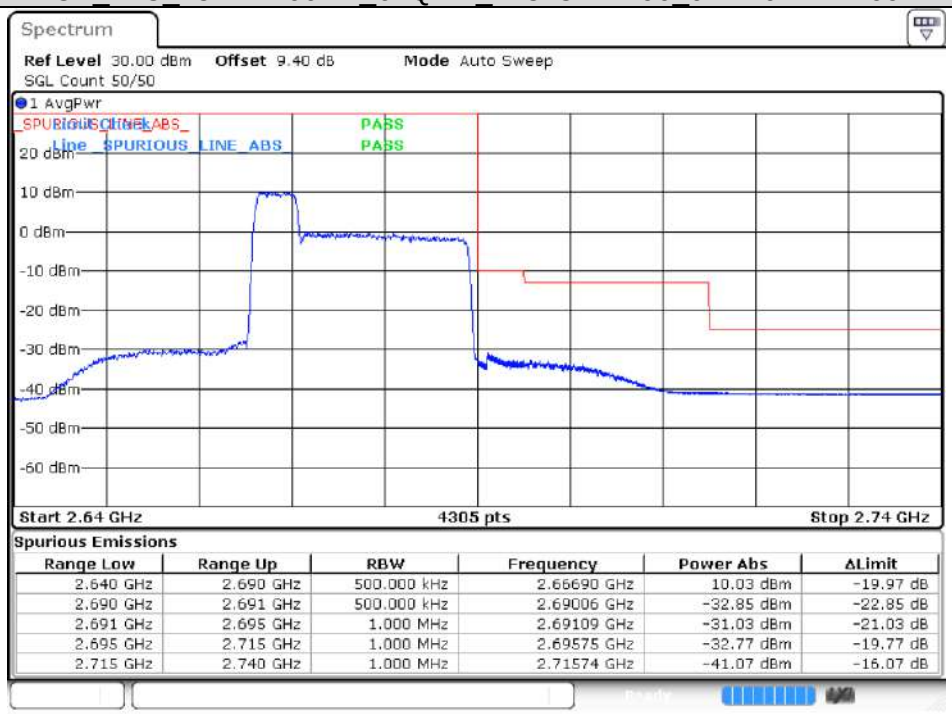

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.66690 GHz	10.03 dBm	-19.97 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69006 GHz	-32.85 dBm	-22.85 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69109 GHz	-31.03 dBm	-21.03 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69575 GHz	-32.77 dBm	-19.77 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.71574 GHz	-41.07 dBm	-16.07 dB

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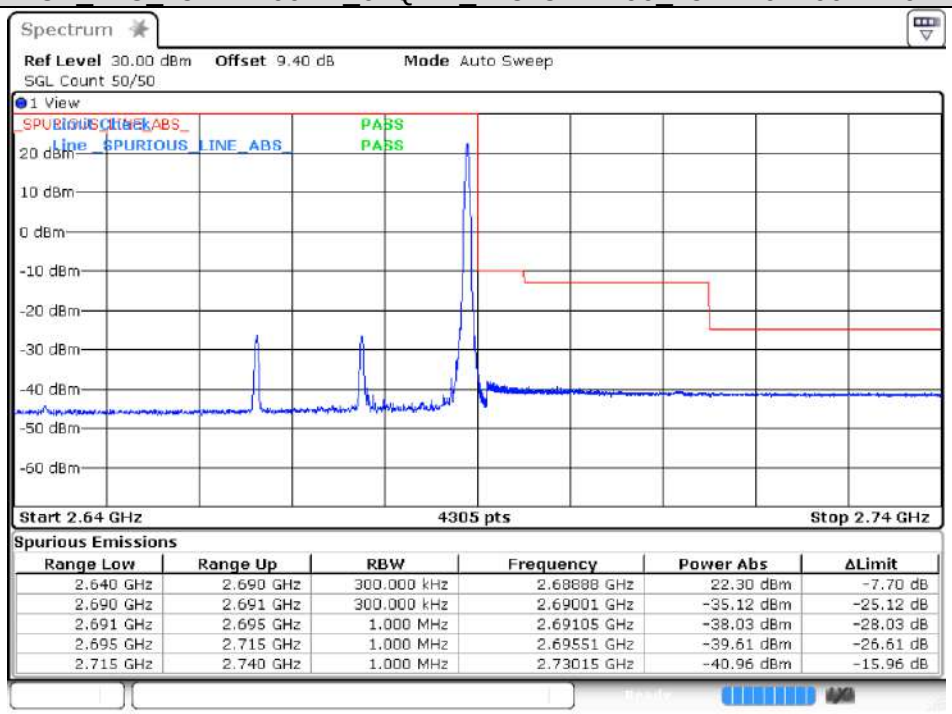

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	300.000 kHz	2.68888 GHz	22.30 dBm	-7.70 dB
2.690 GHz	2.691 GHz	300.000 kHz	2.69001 GHz	-35.12 dBm	-25.12 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-38.03 dBm	-28.03 dB
2.695 GHz	2.715 GHz	1.000 MHz	2.69551 GHz	-39.61 dBm	-26.61 dB
2.715 GHz	2.740 GHz	1.000 MHz	2.73015 GHz	-40.96 dBm	-15.96 dB

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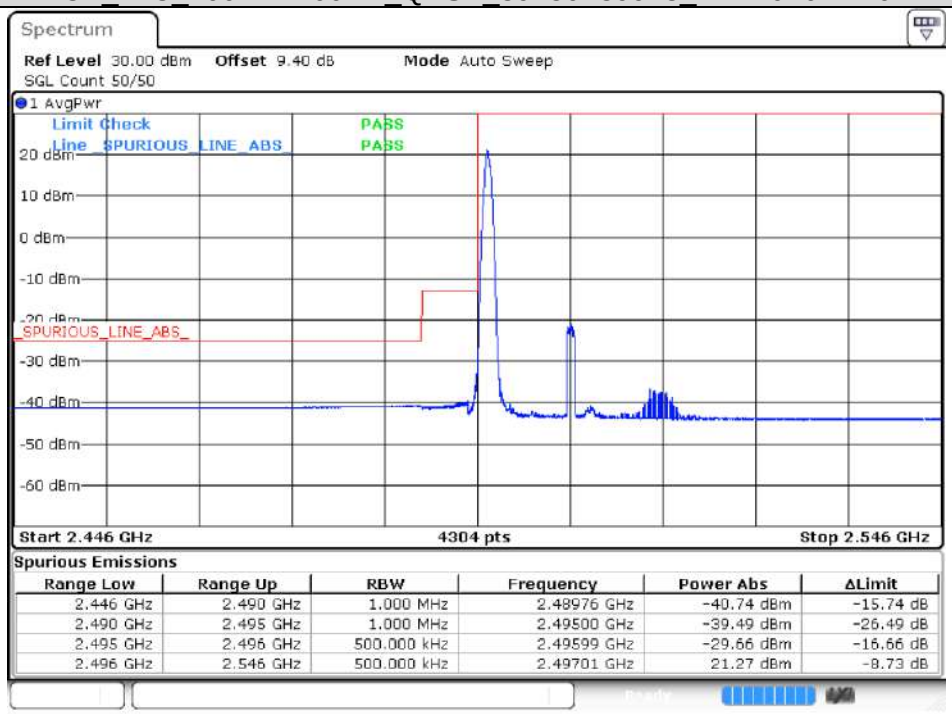

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48976 GHz	-40.74 dBm	-15.74 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49500 GHz	-39.49 dBm	-26.49 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49599 GHz	-29.66 dBm	-16.66 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.49701 GHz	21.27 dBm	-8.73 dB

Date: 13.DEC.2020 13:48:09

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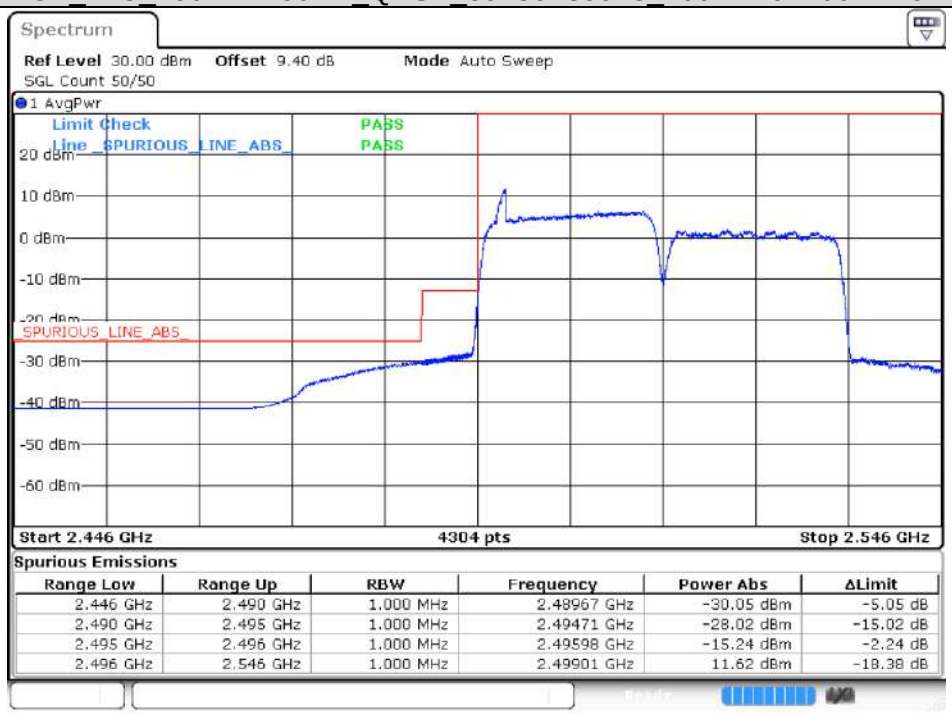
CA_41C_100RB+100RB_QPSK_39750+39948_100RB#0+100RB#0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48967 GHz	-30.05 dBm	-5.05 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49471 GHz	-28.02 dBm	-15.02 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-15.24 dBm	-2.24 dB
2.496 GHz	2.546 GHz	1.000 MHz	2.49901 GHz	11.62 dBm	-18.38 dB

Date: 13.DEC.2020 13:51:56

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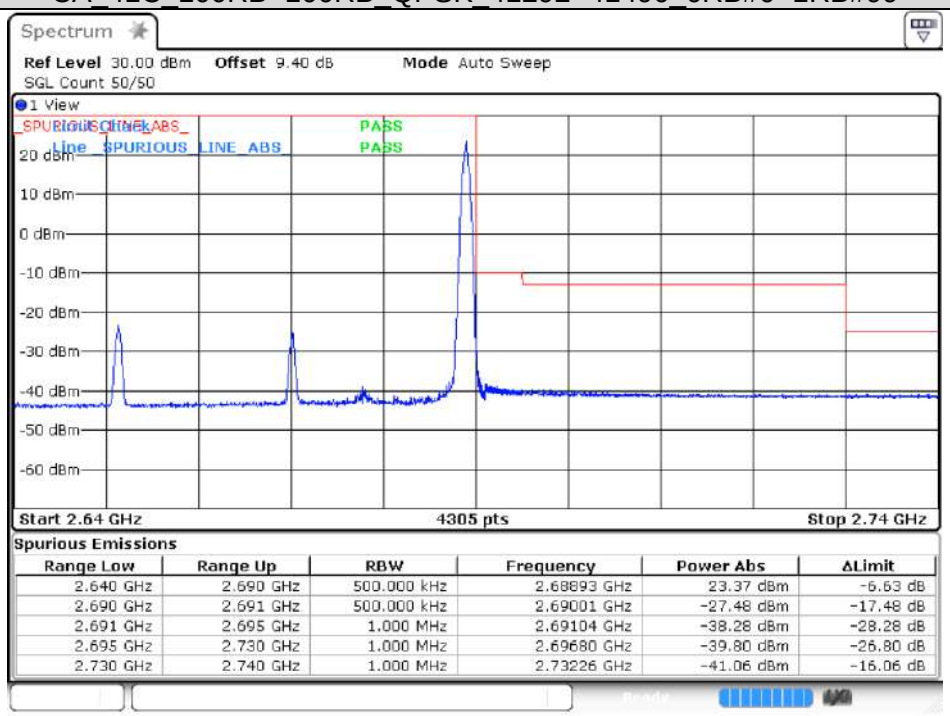

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.68893 GHz	23.37 dBm	-6.63 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-27.48 dBm	-17.48 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69104 GHz	-38.28 dBm	-28.28 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69680 GHz	-39.80 dBm	-26.80 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73226 GHz	-41.06 dBm	-16.06 dB

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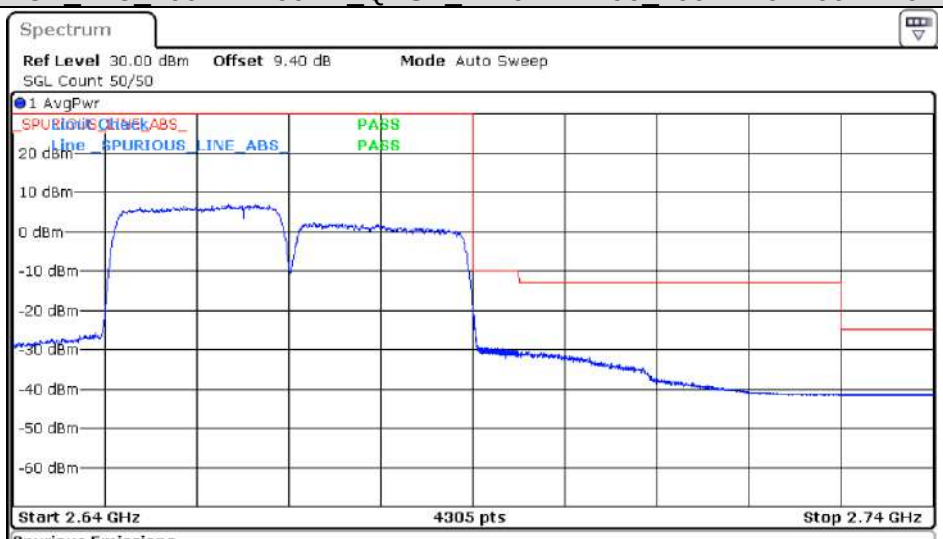

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	1.000 MHz	2.66345 GHz	7.03 dBm	-22.97 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69000 GHz	-19.86 dBm	-9.86 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69145 GHz	-29.58 dBm	-19.58 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69607 GHz	-30.55 dBm	-17.55 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73279 GHz	-41.34 dBm	-16.34 dB

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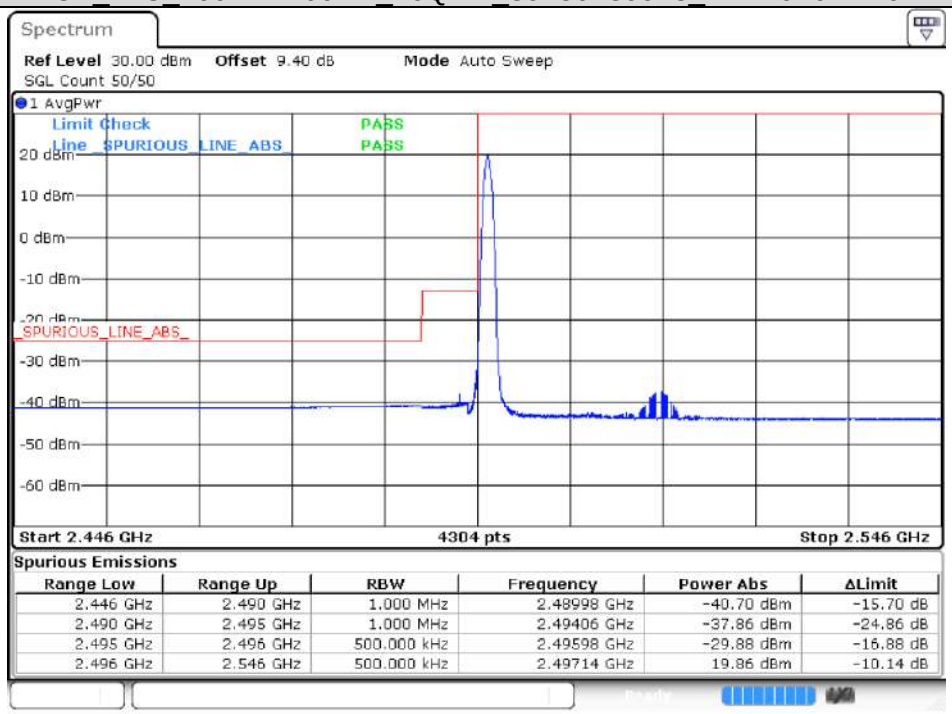

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48998 GHz	-40.70 dBm	-15.70 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49406 GHz	-37.86 dBm	-24.86 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49598 GHz	-29.88 dBm	-16.88 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.49714 GHz	19.86 dBm	-10.14 dB

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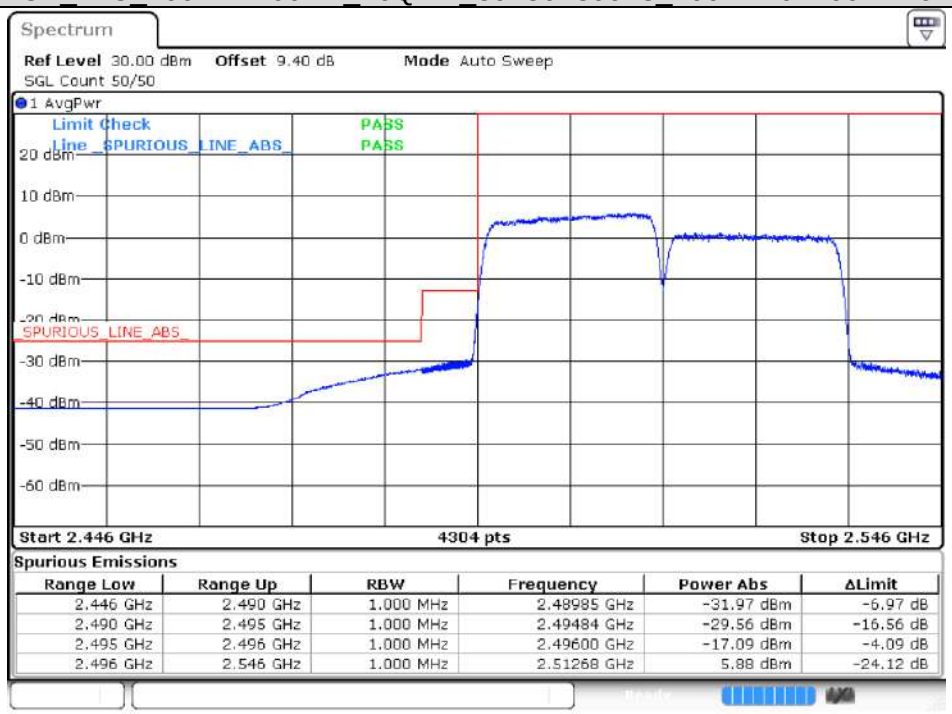

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48985 GHz	-31.97 dBm	-6.97 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49484 GHz	-29.56 dBm	-16.56 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.49600 GHz	-17.09 dBm	-4.09 dB
2.496 GHz	2.546 GHz	1.000 MHz	2.51268 GHz	5.88 dBm	-24.12 dB

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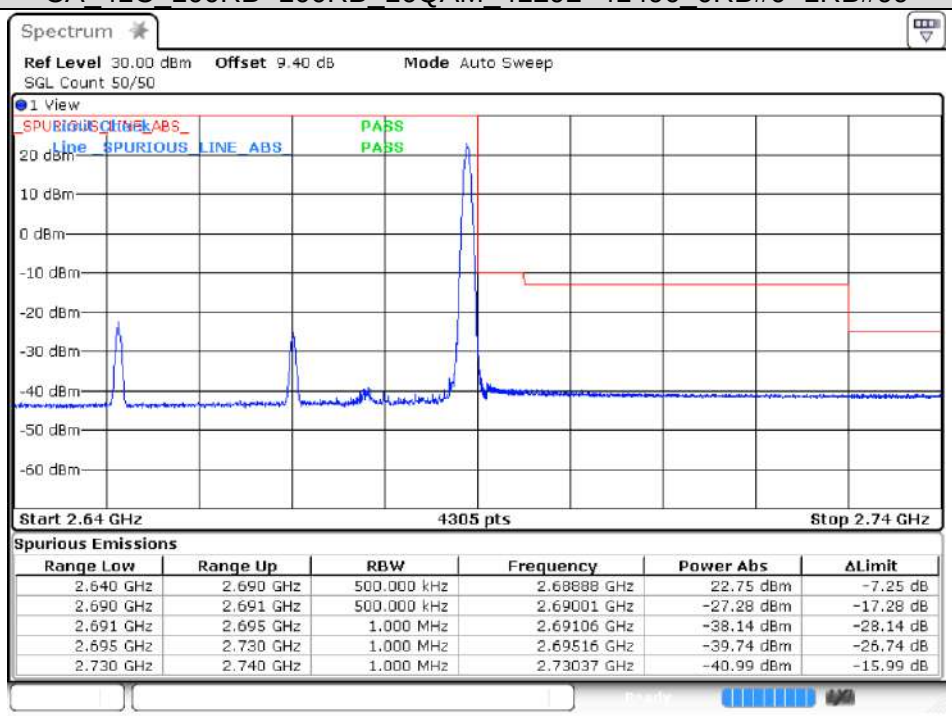

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.68888 GHz	22.75 dBm	-7.25 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-27.28 dBm	-17.28 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69106 GHz	-38.14 dBm	-28.14 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69516 GHz	-39.74 dBm	-26.74 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73037 GHz	-40.99 dBm	-15.99 dB

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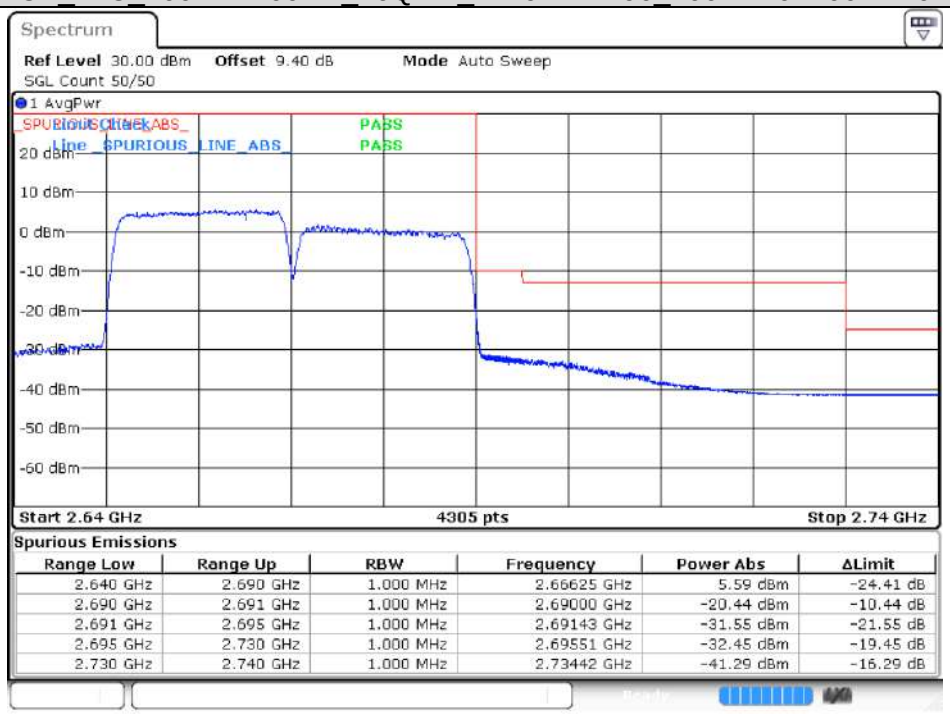

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	1.000 MHz	2.66625 GHz	5.59 dBm	-24.41 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69000 GHz	-20.44 dBm	-10.44 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69143 GHz	-31.55 dBm	-21.55 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69551 GHz	-32.45 dBm	-19.45 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73442 GHz	-41.29 dBm	-16.29 dB

Date: 13.DEC.2020 13:58:39

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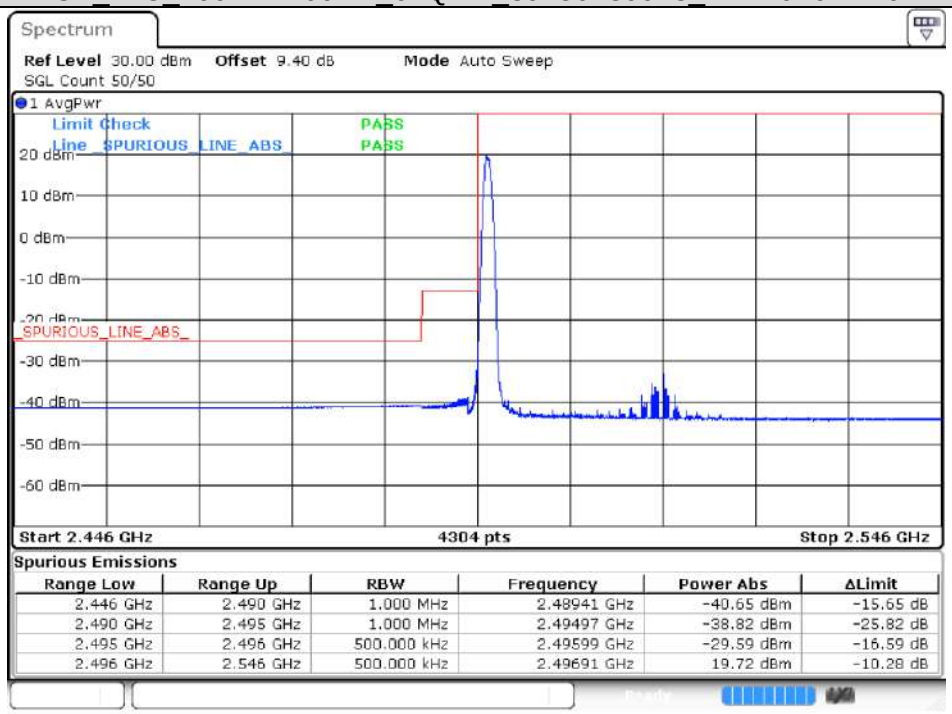

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48941 GHz	-40.65 dBm	-15.65 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49497 GHz	-38.82 dBm	-25.82 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49599 GHz	-29.59 dBm	-16.59 dB
2.496 GHz	2.546 GHz	500.000 kHz	2.49691 GHz	19.72 dBm	-10.28 dB

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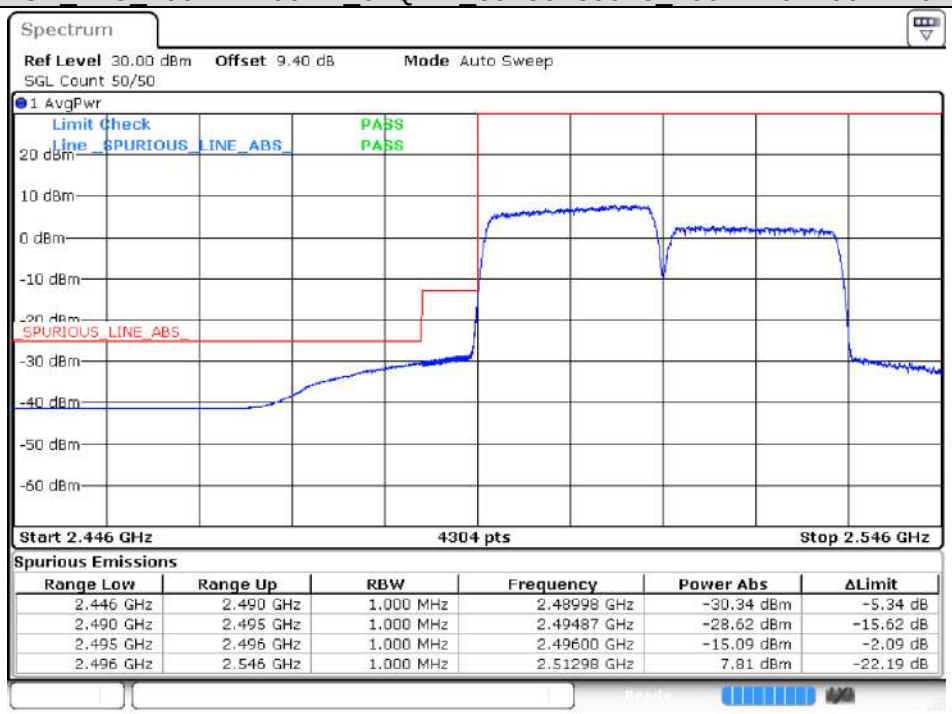

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.446 GHz	2.490 GHz	1.000 MHz	2.48998 GHz	-30.34 dBm	-5.34 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49487 GHz	-28.62 dBm	-15.62 dB
2.495 GHz	2.496 GHz	1.000 MHz	2.49600 GHz	-15.09 dBm	-2.09 dB
2.496 GHz	2.546 GHz	1.000 MHz	2.51298 GHz	7.81 dBm	-22.19 dB

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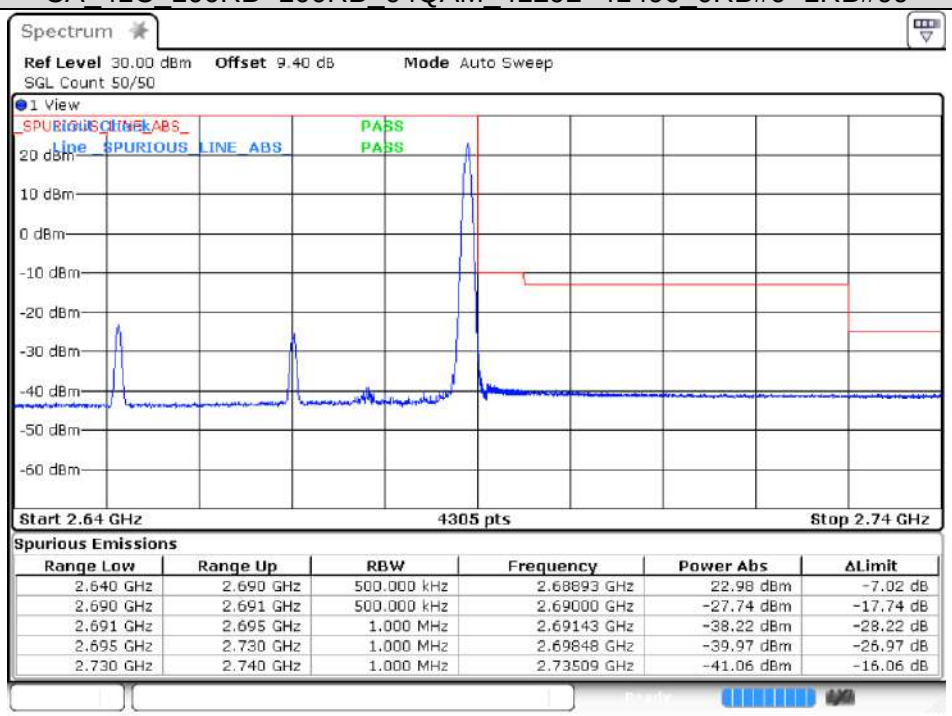

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	500.000 kHz	2.68893 GHz	22.98 dBm	-7.02 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69000 GHz	-27.74 dBm	-17.74 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69143 GHz	-38.22 dBm	-28.22 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69848 GHz	-39.97 dBm	-26.97 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73509 GHz	-41.06 dBm	-16.06 dB

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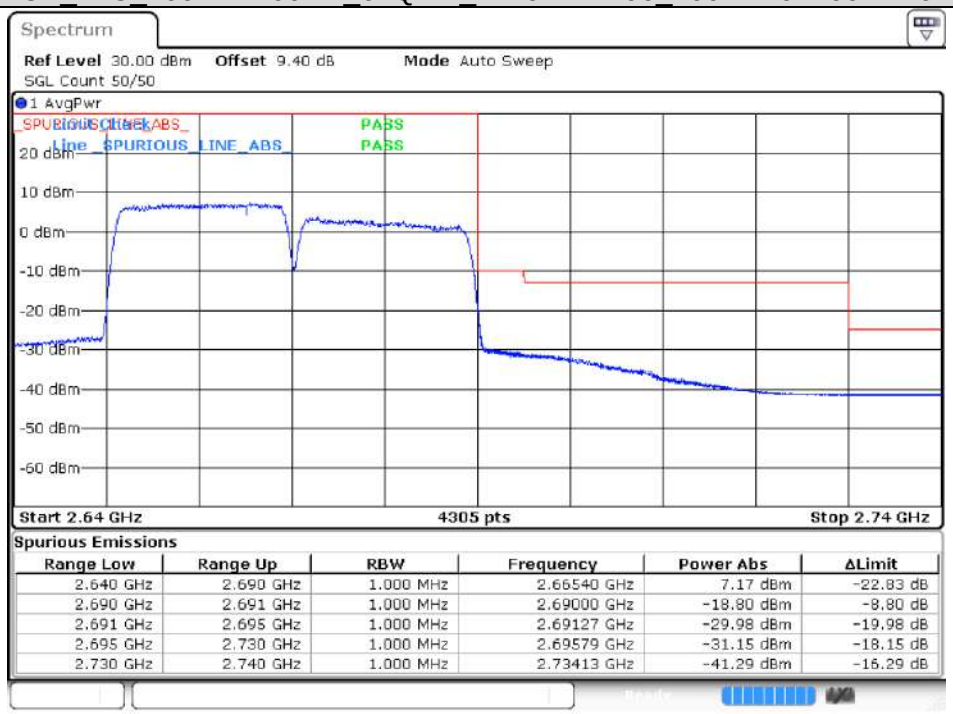

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.640 GHz	2.690 GHz	1.000 MHz	2.66540 GHz	7.17 dBm	-22.83 dB
2.690 GHz	2.691 GHz	1.000 MHz	2.69000 GHz	-18.80 dBm	-8.80 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69127 GHz	-29.98 dBm	-19.98 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.69579 GHz	-31.15 dBm	-18.15 dB
2.730 GHz	2.740 GHz	1.000 MHz	2.73413 GHz	-41.29 dBm	-16.29 dB

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6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = LTE Band CA_41C

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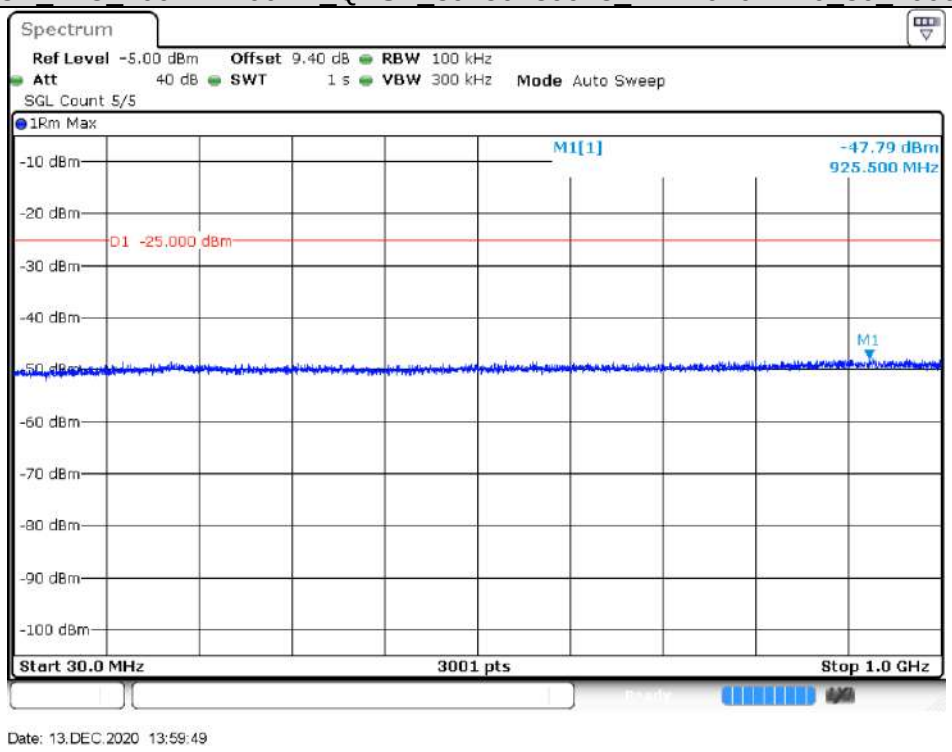

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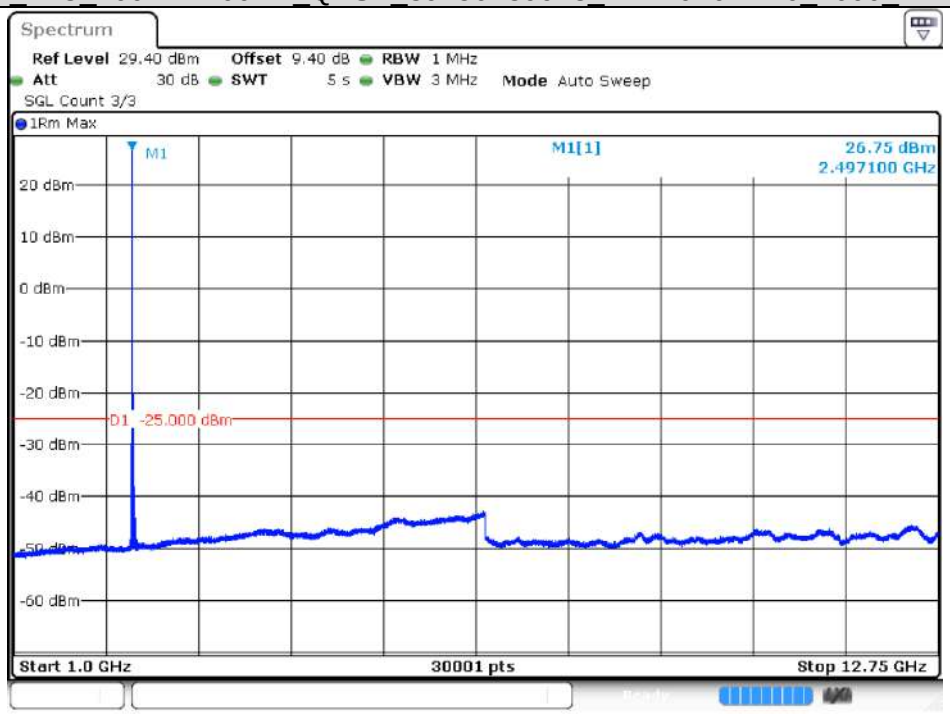

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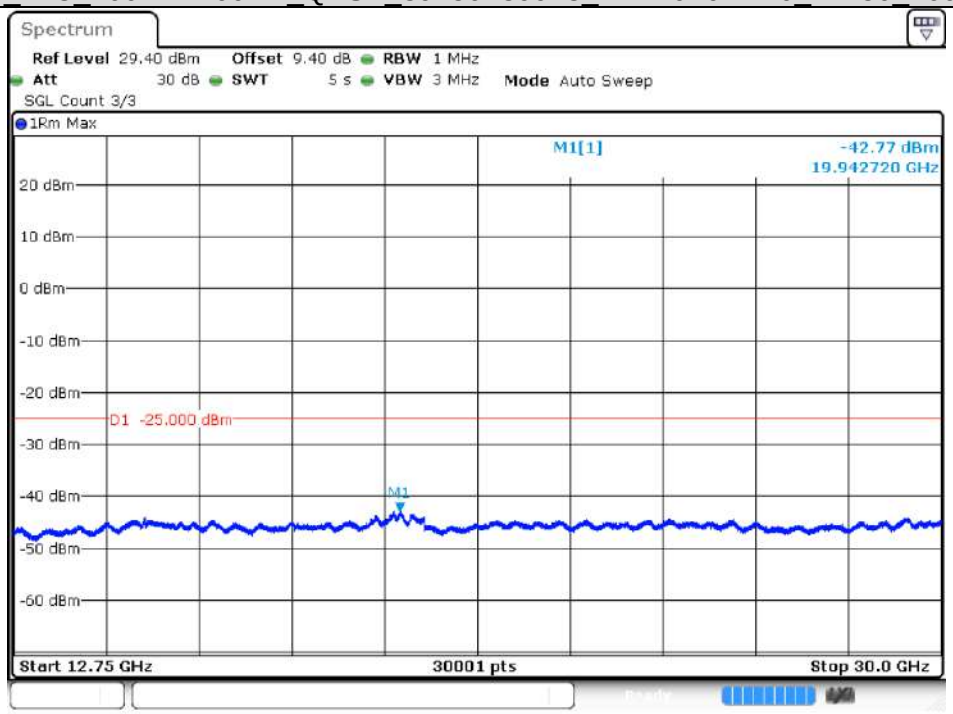

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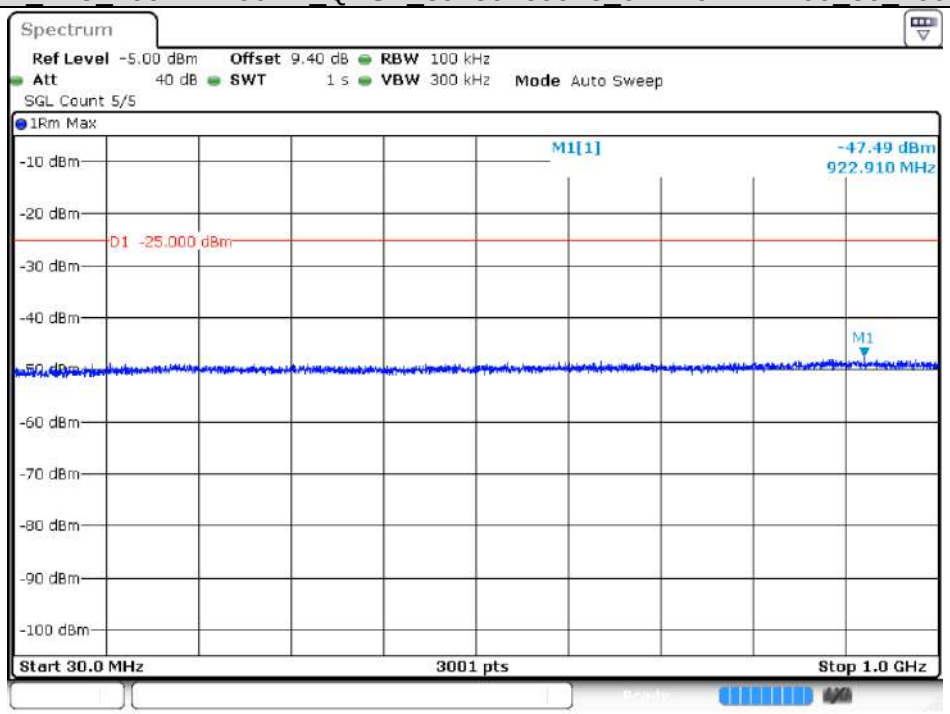

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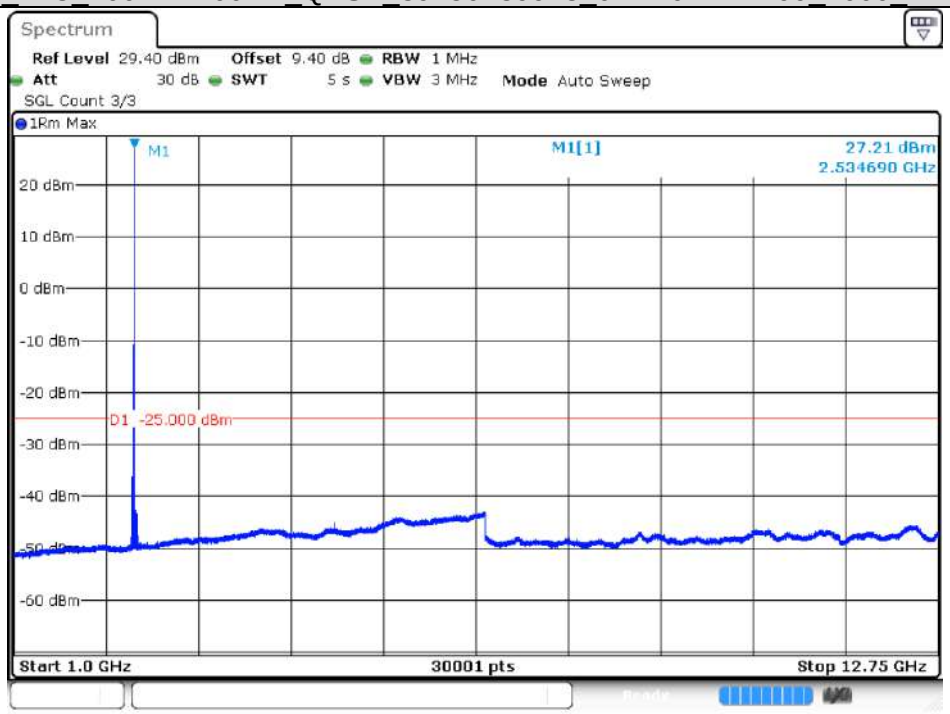

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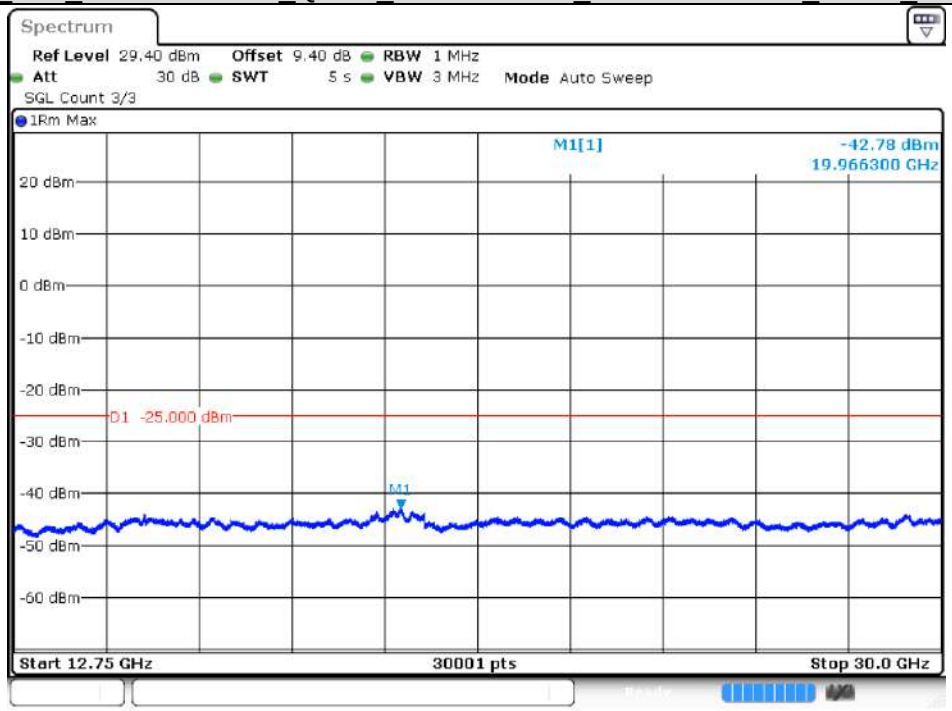

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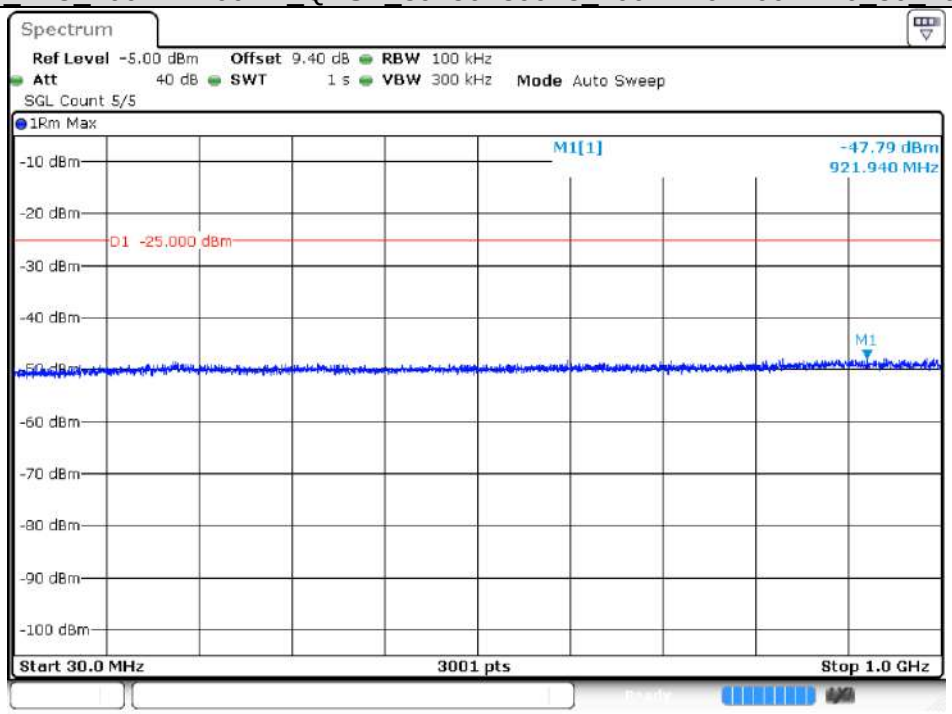

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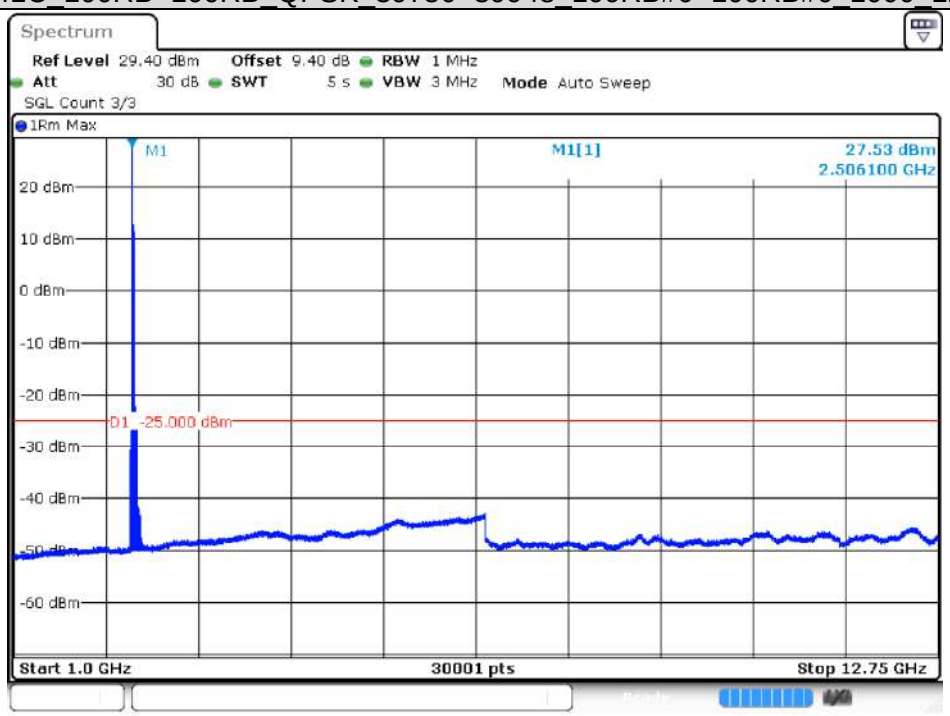

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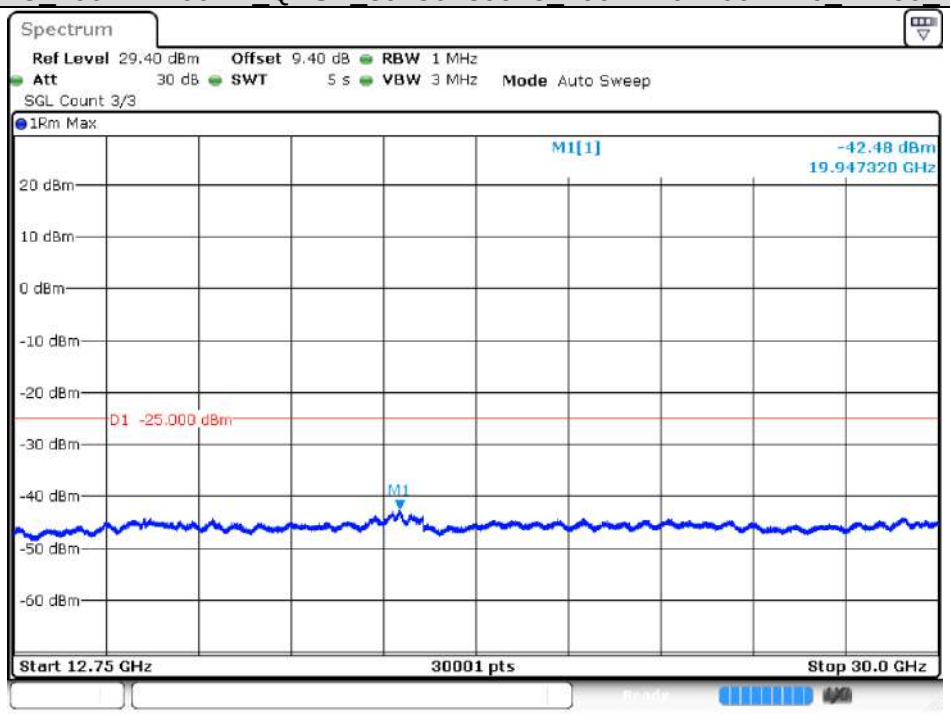

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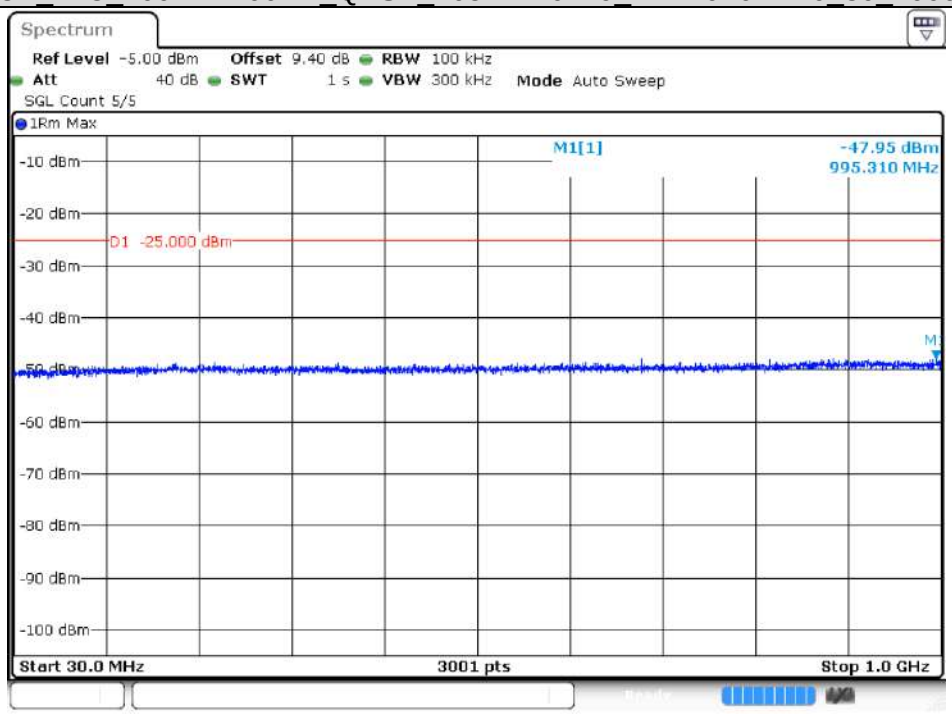

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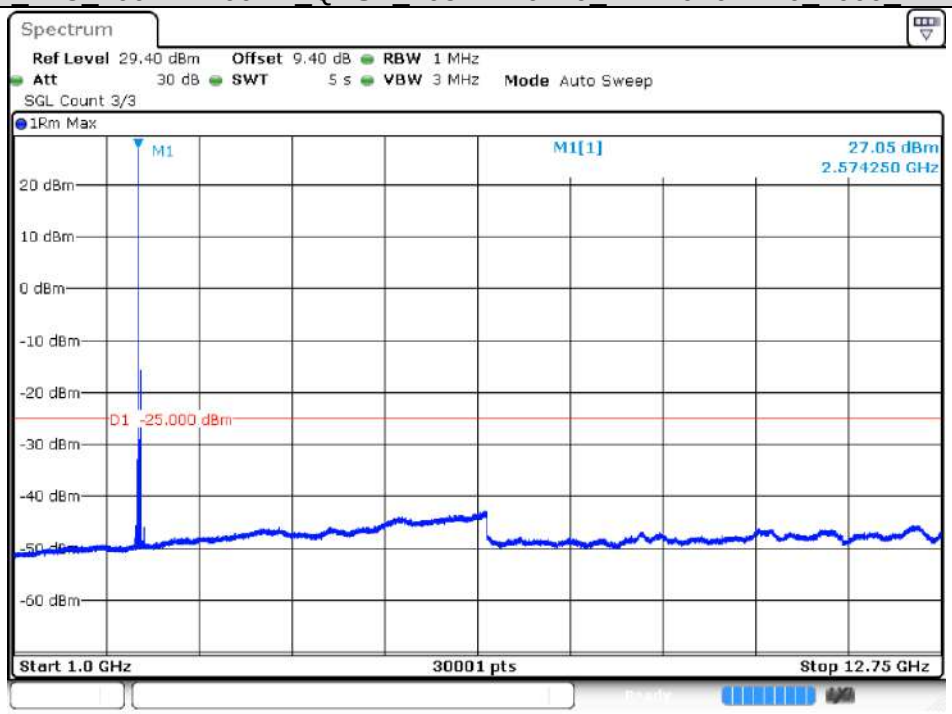

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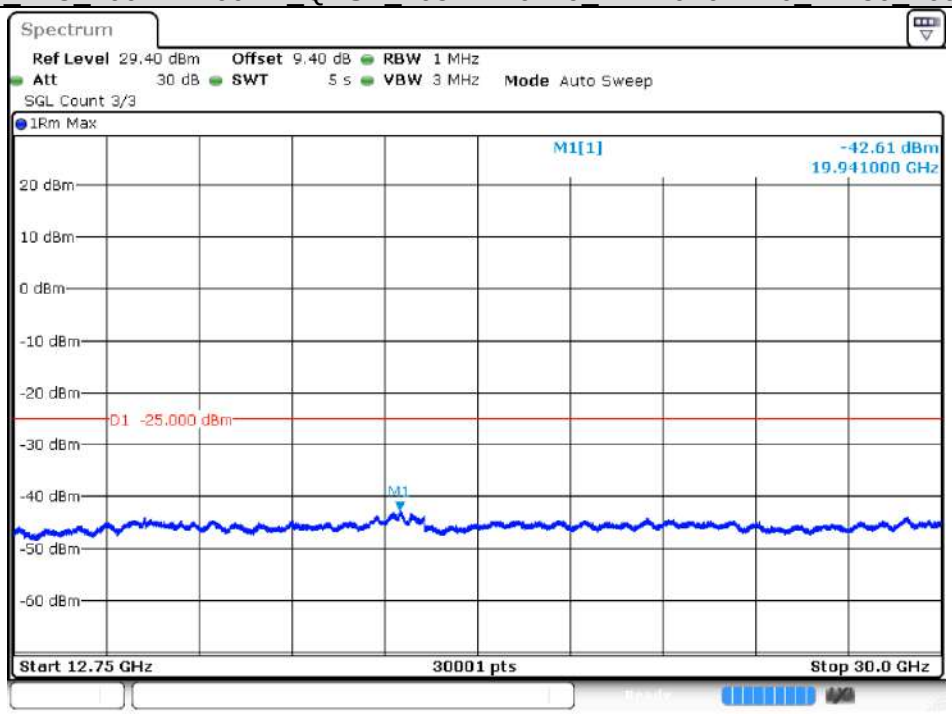

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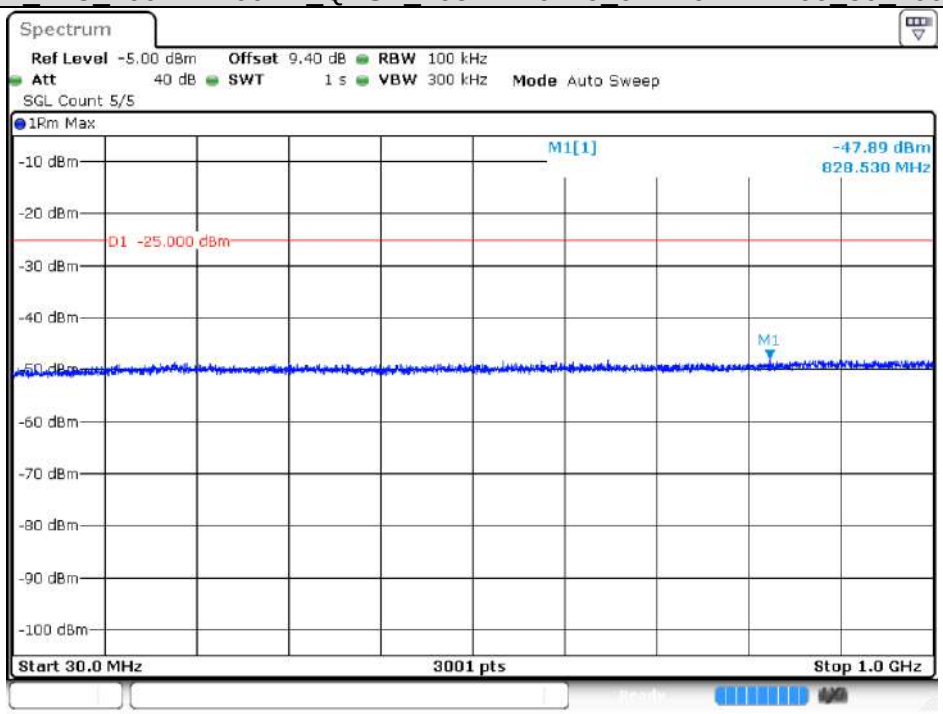

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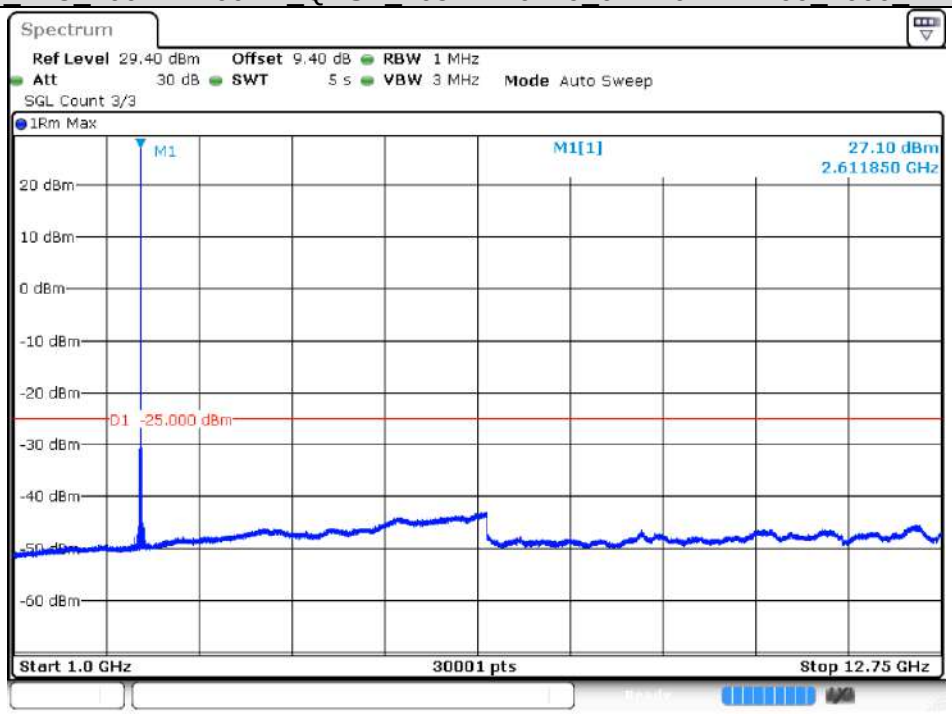

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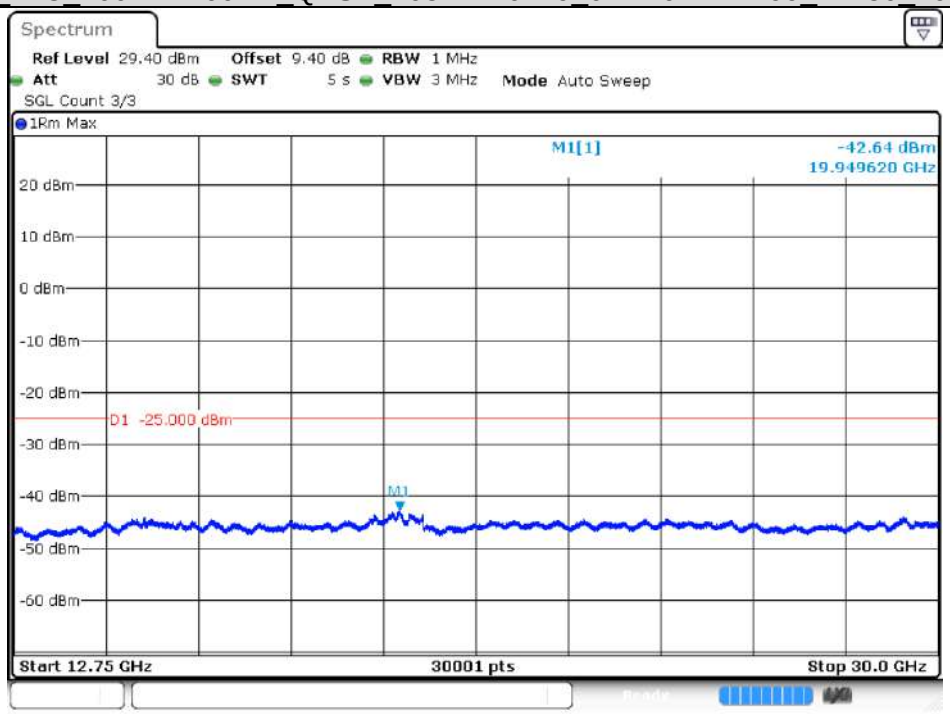

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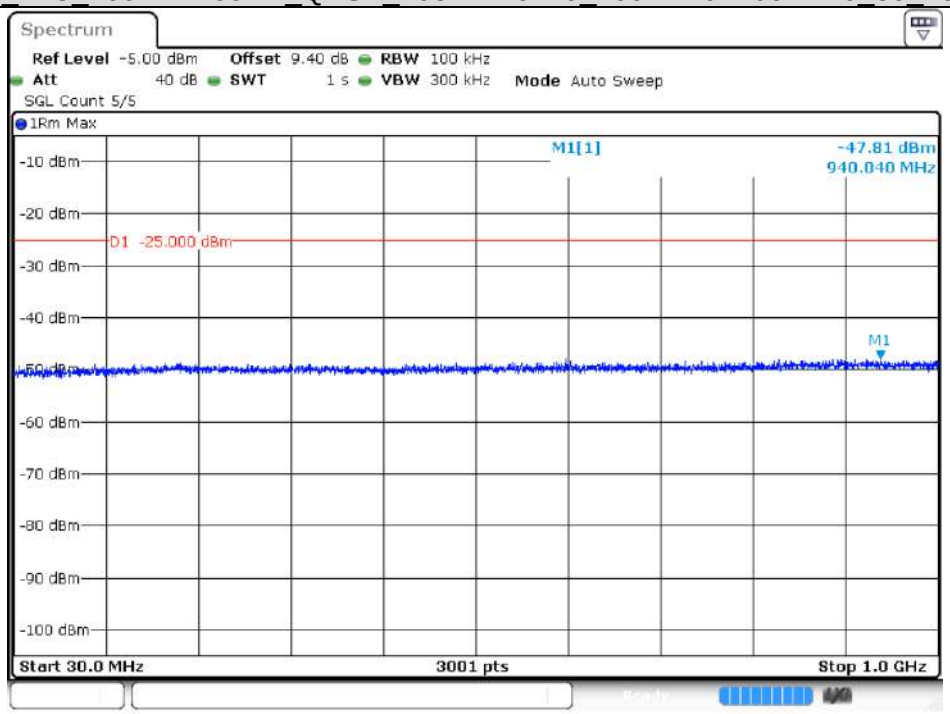

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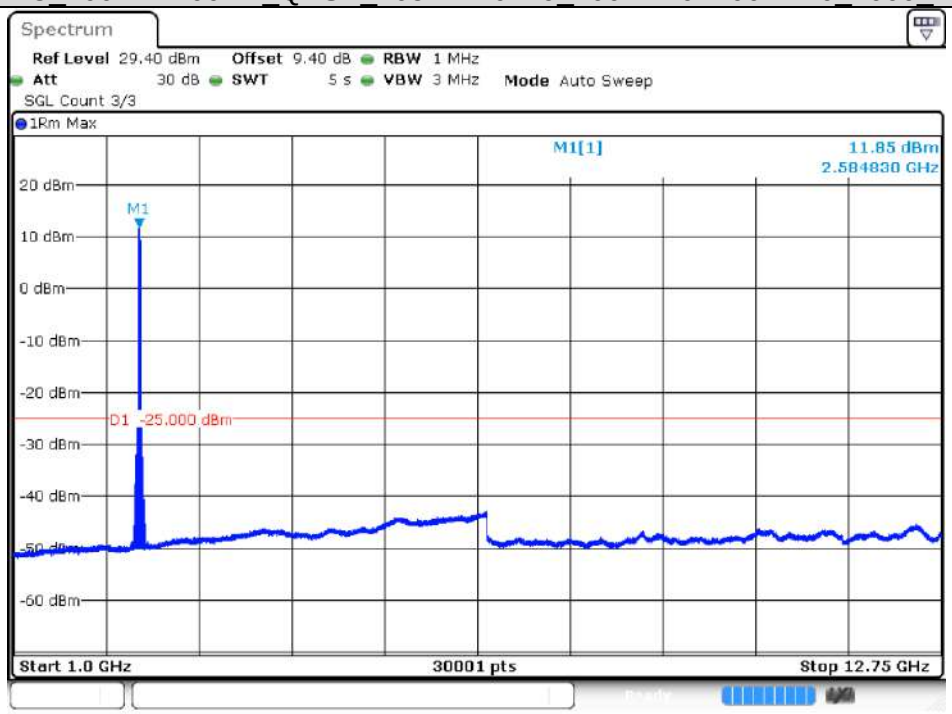

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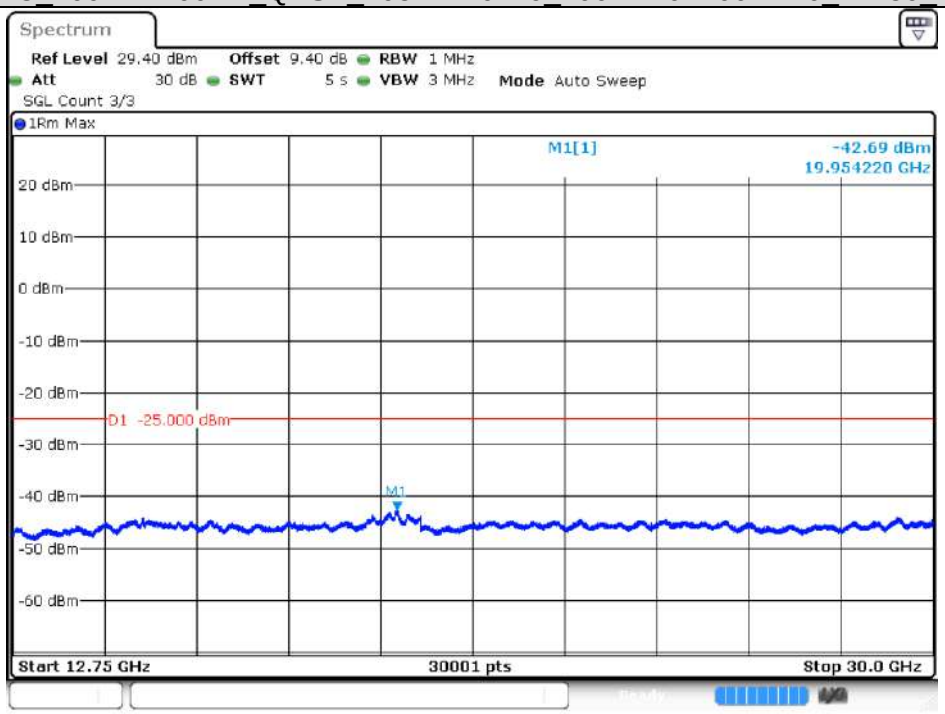

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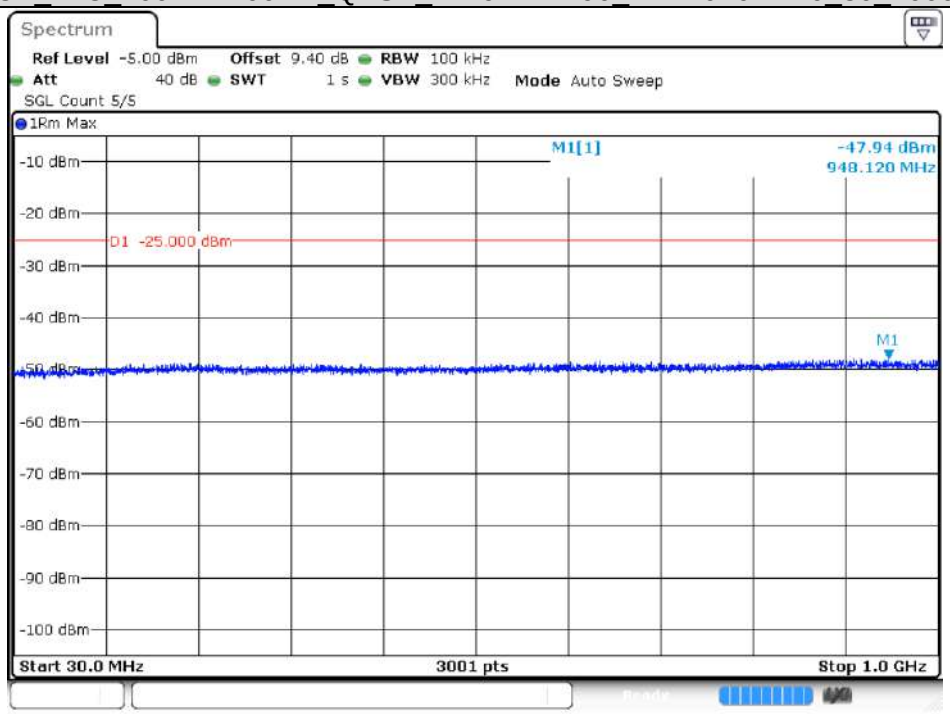

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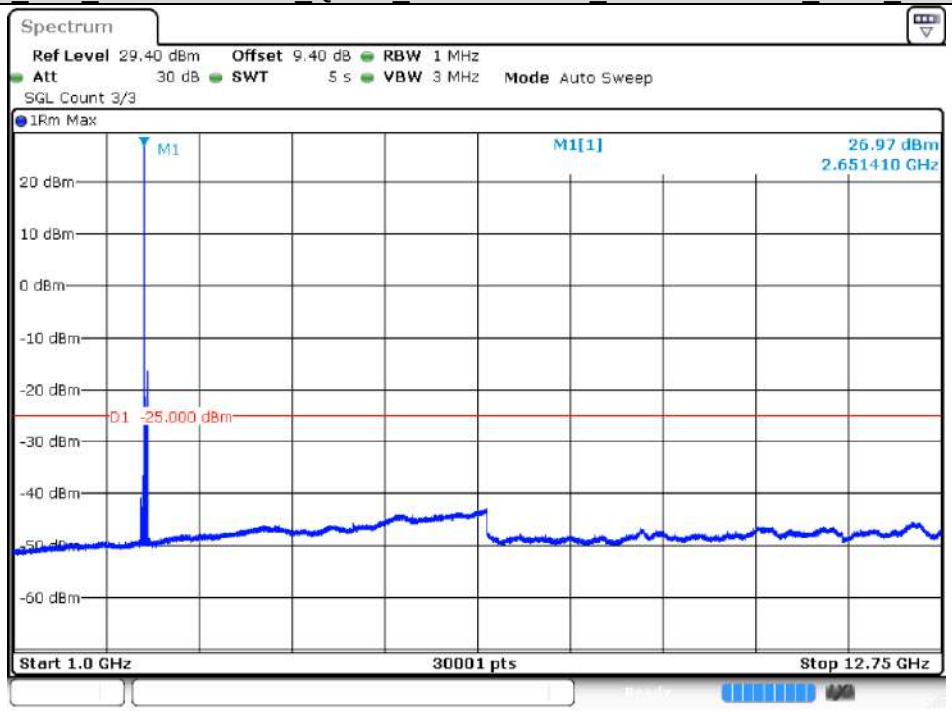

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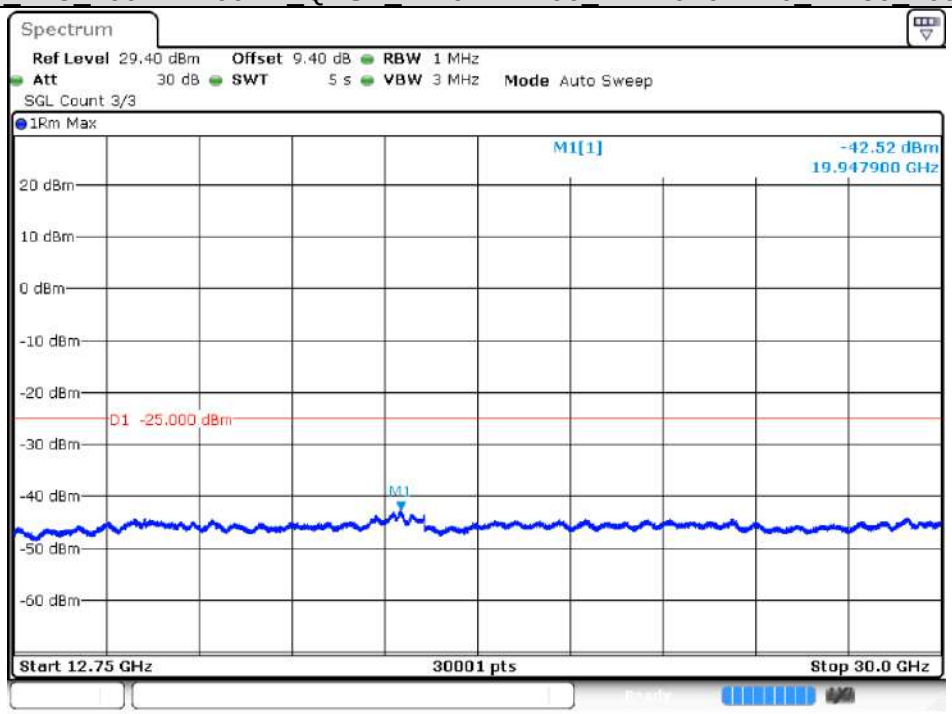

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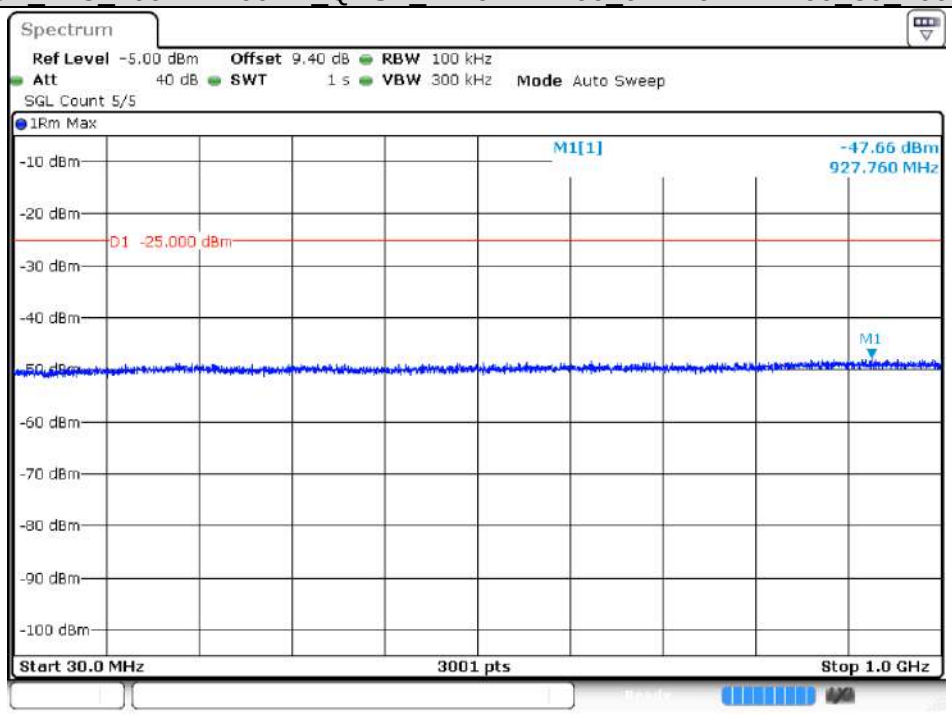

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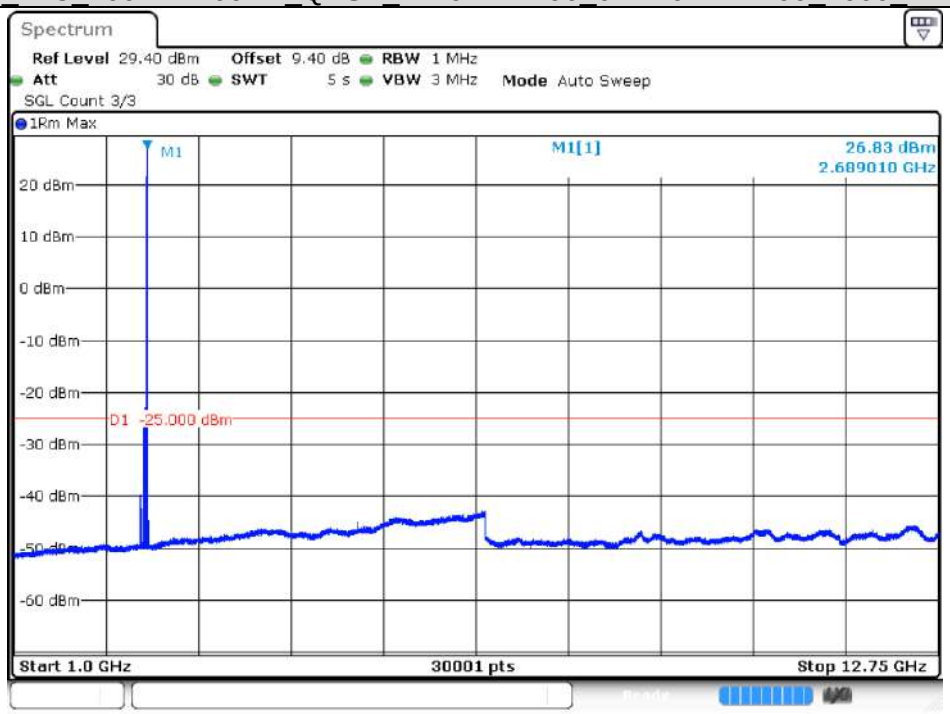

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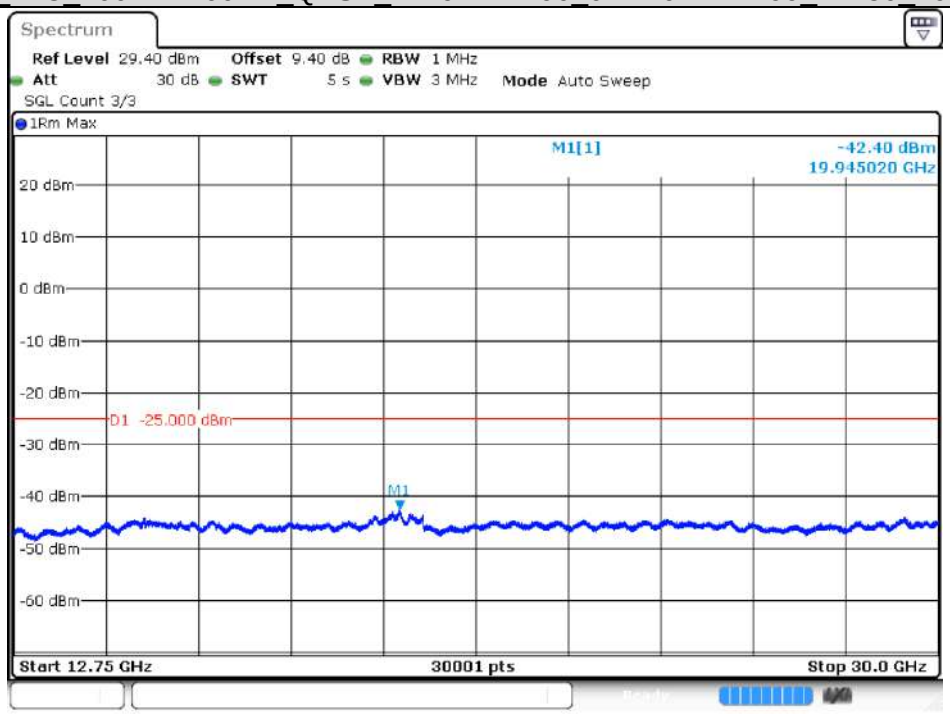

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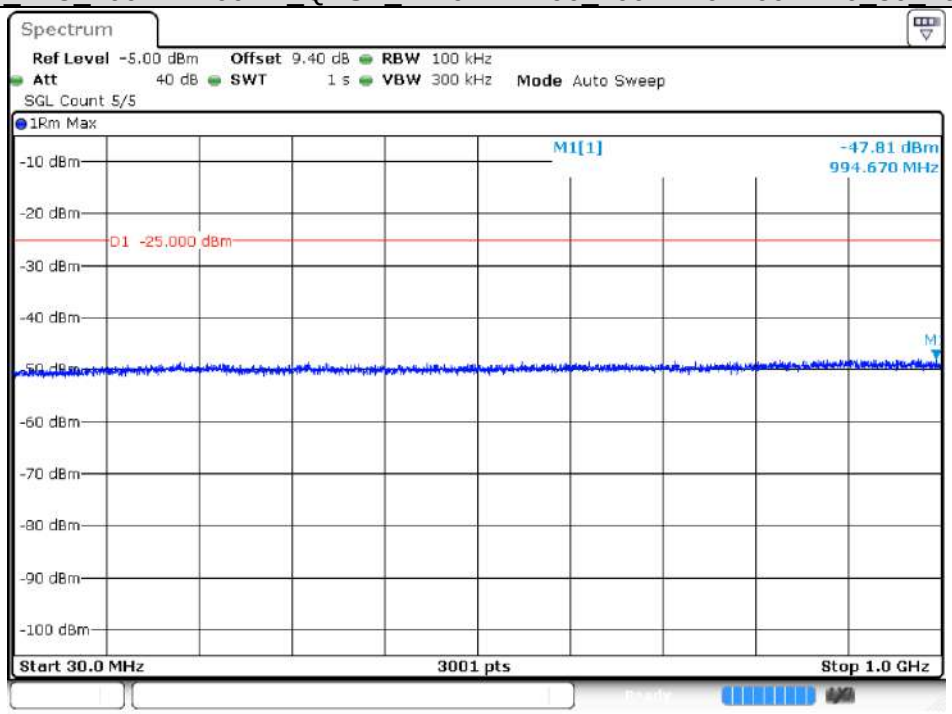

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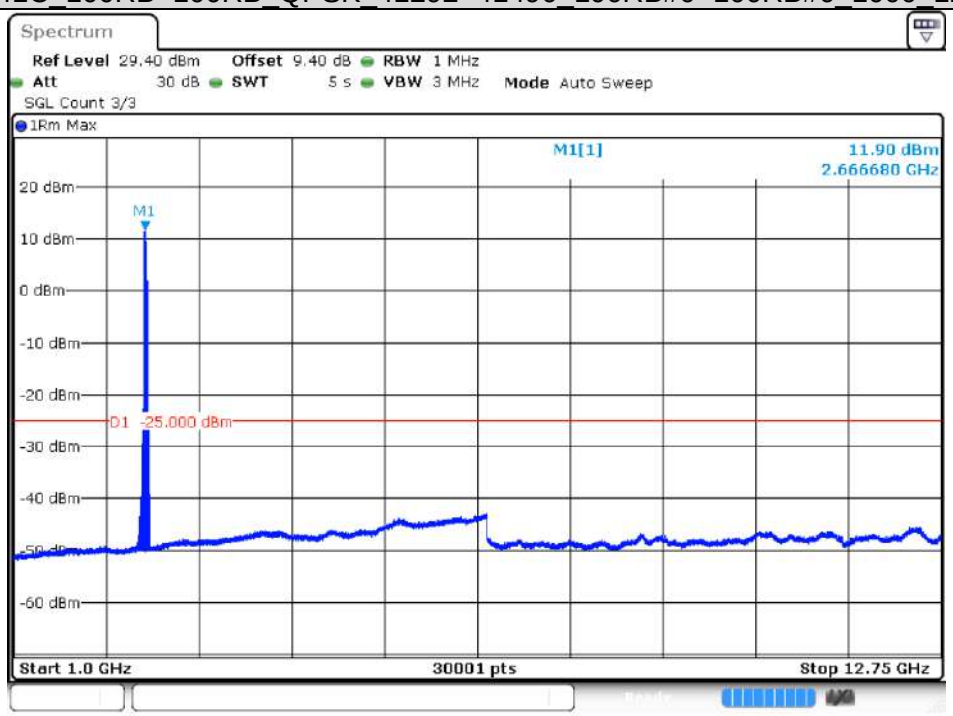

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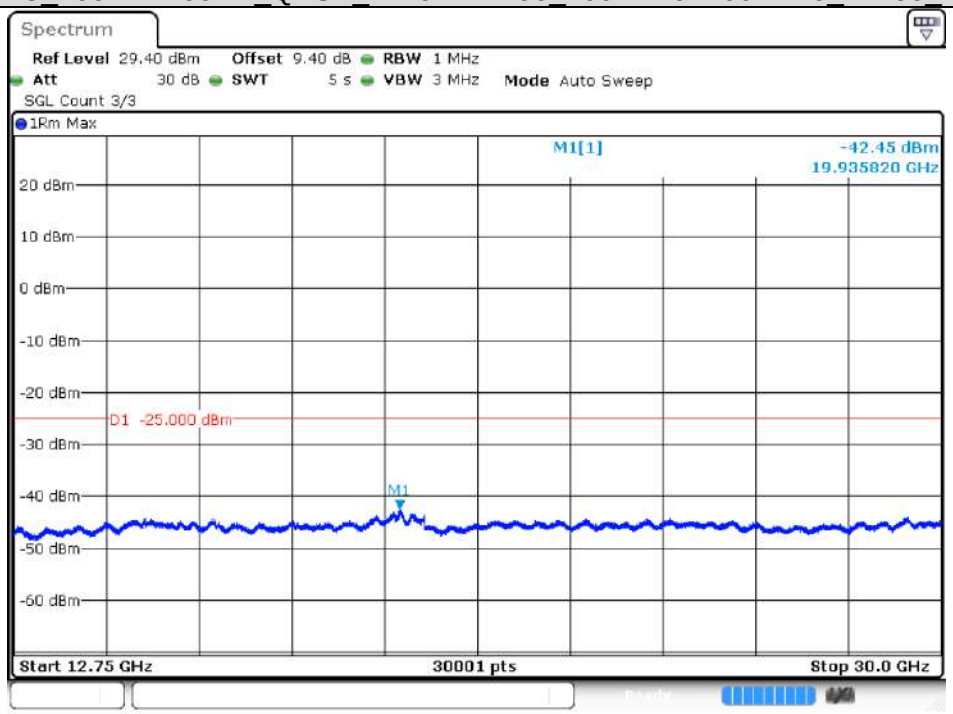

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7 Field Strength of Spurious Radiation

7.1 Test Band = LTE Band CA_41C (ANT4)

7.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
63.750000	-79.72	-25.00	54.72	251	39	Vertical
124.950000	-84.02	-25.00	59.02	276	1	Vertical
313.750000	-84.09	-25.00	59.09	287	58	Vertical
4365.000000	-65.75	-25.00	40.75	174	165	Vertical
7491.175000	-54.38	-25.00	29.38	160	82	Vertical
10623.525000	-60.99	-25.00	35.99	182	59	Vertical
61.850000	-76.20	-25.00	51.20	178	159	Horizontal
159.250000	-83.09	-25.00	58.09	206	180	Horizontal
331.200000	-84.85	-25.00	59.85	188	12	Horizontal
4881.425000	-65.27	-25.00	40.27	276	36	Horizontal
7491.175000	-56.83	-25.00	31.83	241	152	Horizontal
10650.825000	-61.44	-25.00	36.44	188	129	Horizontal

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7.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
64.800000	-80.25	-25.00	55.25	214	96	Vertical
125.000000	-83.48	-25.00	58.48	174	49	Vertical
312.200000	-84.37	-25.00	59.37	251	0	Vertical
4838.200000	-65.33	-25.00	40.33	155	153	Vertical
7722.575000	-52.03	-25.00	27.03	289	107	Vertical
10296.900000	-59.17	-25.00	34.17	191	118	Vertical
62.350000	-75.84	-25.00	50.84	256	86	Horizontal
159.300000	-82.38	-25.00	57.38	230	177	Horizontal
473.329167	-83.26	-25.00	58.26	209	100	Horizontal
4308.775000	-65.12	-25.00	40.12	235	0	Horizontal
7722.575000	-57.36	-25.00	32.36	200	154	Horizontal
10638.475000	-60.96	-25.00	35.96	243	0	Horizontal

7.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
64.350000	-80.26	-25.00	55.26	159	160	Vertical
125.000000	-83.51	-25.00	58.51	222	96	Vertical
314.400000	-83.45	-25.00	58.45	199	87	Vertical
5081.950000	-65.15	-25.00	40.15	228	49	Vertical
7953.975000	-54.00	-25.00	29.00	251	15	Vertical
10605.325000	-56.30	-25.00	31.30	291	165	Vertical
62.800000	-75.87	-25.00	50.87	274	77	Horizontal
159.250000	-82.88	-25.00	57.88	215	178	Horizontal
328.750000	-85.44	-25.00	60.44	225	22	Horizontal
5047.175000	-64.63	-25.00	39.63	193	0	Horizontal
7953.975000	-53.78	-25.00	28.78	226	130	Horizontal
10615.075000	-60.66	-25.00	35.66	191	0	Horizontal

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7.2 Test Band = LTE Band CA_41C (ANT3)

7.2.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
64.800000	-79.64	-25.00	54.64	229	116	Vertical
125.000000	-83.90	-25.00	58.90	193	40	Vertical
314.850000	-83.64	-25.00	58.64	178	106	Vertical
4396.525000	-65.30	-25.00	40.30	154	129	Vertical
7491.175000	-50.19	-25.00	25.19	250	117	Vertical
9988.150000	-59.01	-25.00	34.01	265	153	Vertical
62.350000	-75.40	-25.00	50.40	183	123	Horizontal
159.300000	-79.23	-25.00	54.23	166	178	Horizontal
310.500000	-84.22	-25.00	59.22	190	1	Horizontal
7491.500000	-56.87	-25.00	31.87	164	153	Horizontal
9988.475000	-58.25	-25.00	33.25	243	153	Horizontal
12485.775000	-54.50	-25.00	29.50	216	130	Horizontal

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7.2.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
64.100000	-80.12	-25.00	55.12	264	147	Vertical
125.000000	-84.04	-25.00	59.04	220	20	Vertical
335.400000	-84.88	-25.00	59.88	174	129	Vertical
5148.575000	-63.02	-25.00	38.02	265	130	Vertical
7722.575000	-46.13	-25.00	21.13	279	179	Vertical
10296.900000	-56.47	-25.00	31.47	240	142	Vertical
63.300000	-75.85	-25.00	50.85	184	76	Horizontal
159.300000	-78.53	-25.00	53.53	229	167	Horizontal
478.187500	-82.48	-25.00	57.48	272	42	Horizontal
5148.250000	-61.64	-25.00	36.64	267	155	Horizontal
7722.575000	-47.96	-25.00	22.96	226	155	Horizontal
10296.575000	-55.01	-25.00	30.01	187	155	Horizontal

7.2.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
63.700000	-80.26	-25.00	55.26	267	123	Vertical
125.000000	-83.43	-25.00	58.43	289	150	Vertical
336.200000	-84.17	-25.00	59.17	272	76	Vertical
5302.300000	-60.69	-25.00	35.69	223	141	Vertical
7953.975000	-55.14	-25.00	30.14	201	152	Vertical
10605.000000	-54.75	-25.00	29.75	282	129	Vertical
63.250000	-74.69	-25.00	49.69	274	180	Horizontal
159.250000	-79.05	-25.00	54.05	212	169	Horizontal
472.550000	-83.77	-25.00	58.77	150	120	Horizontal
5302.300000	-57.24	-25.00	32.24	265	141	Horizontal
7953.975000	-50.42	-25.00	25.42	184	178	Horizontal
10605.325000	-54.53	-25.00	29.53	188	178	Horizontal

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1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
2 The disturbance below 30MHz and above 12.75GHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.

8 Frequency Stability

8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	RB Config	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	TN	LV	-5.65	-0.002253	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	TN	NV	-0.47	-0.000188	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	TN	HV	1.37	0.000546	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	TN	LV	1.62	0.000626	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	TN	NV	0.45	0.000173	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	TN	HV	-7.57	-0.002930	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	TN	LV	-6.32	-0.002376	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	TN	NV	6.94	0.002607	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	TN	HV	-2.91	-0.001092	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	TN	LV	-10.72	-0.004280	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	TN	NV	3.33	0.001328	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	TN	HV	1.95	0.000776	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	TN	LV	3.55	0.001374	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	TN	NV	-5.50	-0.002129	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	TN	HV	-1.85	-0.000716	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	TN	LV	0.60	0.000227	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	TN	NV	0.79	0.000297	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	TN	HV	10.93	0.004110	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	TN	LV	0.06	0.000022	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	TN	NV	-10.31	-0.004116	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	TN	HV	-7.33	-0.002924	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	TN	LV	4.30	0.001664	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	TN	NV	4.21	0.001632	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	TN	HV	-9.10	-0.003521	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	TN	LV	1.14	0.000429	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	TN	NV	5.91	0.002221	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	TN	HV	12.89	0.004844	PASS

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8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	RB Config	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	-30	-0.11	-0.000044	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	-20	1.12	0.000447	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	-10	4.76	0.001901	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	0	2.35	0.000936	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	10	-1.05	-0.000418	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	20	0.95	0.000377	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	30	-2.33	-0.000928	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	40	-9.57	-0.003820	PASS
CA_41C	QPSK	39750+39948	50RB#0/50RB#0	NV	50	1.54	0.000613	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	-30	-7.94	-0.003076	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	-20	8.52	0.003300	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	-10	-4.33	-0.001675	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	0	9.21	0.003566	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	10	-4.23	-0.001637	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	20	11.59	0.004487	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	30	-5.32	-0.002059	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	40	-7.86	-0.003044	PASS
CA_41C	QPSK	40521+40719	50RB#0/50RB#0	NV	50	2.42	0.000937	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	-30	-1.66	-0.000624	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	-20	2.08	0.000780	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	-10	9.55	0.003590	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	0	-6.54	-0.002460	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	10	4.73	0.001776	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	20	0.41	0.000156	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	30	0.34	0.000129	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	40	-4.41	-0.001659	PASS
CA_41C	QPSK	41292+41490	50RB#0/50RB#0	NV	50	5.54	0.002082	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	-30	-2.46	-0.000983	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	-20	-7.53	-0.003006	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	-10	4.88	0.001946	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	0	9.85	0.003930	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	10	-8.00	-0.003191	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	20	-8.50	-0.003393	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	30	2.43	0.000968	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	40	0.49	0.000197	PASS
CA_41C	16QAM	39750+39948	50RB#0/50RB#0	NV	50	-1.86	-0.000742	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	-30	-0.29	-0.000114	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	-20	-4.90	-0.001897	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	-10	-4.17	-0.001613	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	0	0.72	0.000280	PASS

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CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	10	2.95	0.001143	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	20	-3.59	-0.001389	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	30	0.08	0.000032	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	40	3.42	0.001324	PASS
CA_41C	16QAM	40521+40719	50RB#0/50RB#0	NV	50	2.71	0.001048	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	-30	5.77	0.002169	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	-20	6.97	0.002621	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	-10	5.24	0.001969	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	0	-9.40	-0.003532	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	10	-2.96	-0.001112	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	20	9.60	0.003608	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	30	-3.19	-0.001199	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	40	-3.77	-0.001417	PASS
CA_41C	16QAM	41292+41490	50RB#0/50RB#0	NV	50	-5.22	-0.001962	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	-30	4.61	0.001839	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	-20	-0.94	-0.000375	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	-10	-5.12	-0.002041	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	0	4.15	0.001654	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	10	9.65	0.003849	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	20	-4.75	-0.001897	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	30	-12.06	-0.004811	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	40	2.50	0.000998	PASS
CA_41C	64QAM	39750+39948	50RB#0/50RB#0	NV	50	-2.76	-0.001101	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	-30	-10.69	-0.004139	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	-20	-5.78	-0.002238	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	-10	-3.53	-0.001368	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	0	6.20	0.002399	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	10	7.08	0.002741	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	20	8.32	0.003220	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	30	-9.56	-0.003702	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	40	2.35	0.000911	PASS
CA_41C	64QAM	40521+40719	50RB#0/50RB#0	NV	50	13.03	0.005045	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	-30	-8.92	-0.003354	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	-20	-6.41	-0.002411	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	-10	10.45	0.003930	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	0	-0.66	-0.000247	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	10	6.51	0.002446	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	20	3.85	0.001448	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	30	-3.10	-0.001165	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	40	-9.81	-0.003688	PASS
CA_41C	64QAM	41292+41490	50RB#0/50RB#0	NV	50	-9.46	-0.003556	PASS

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