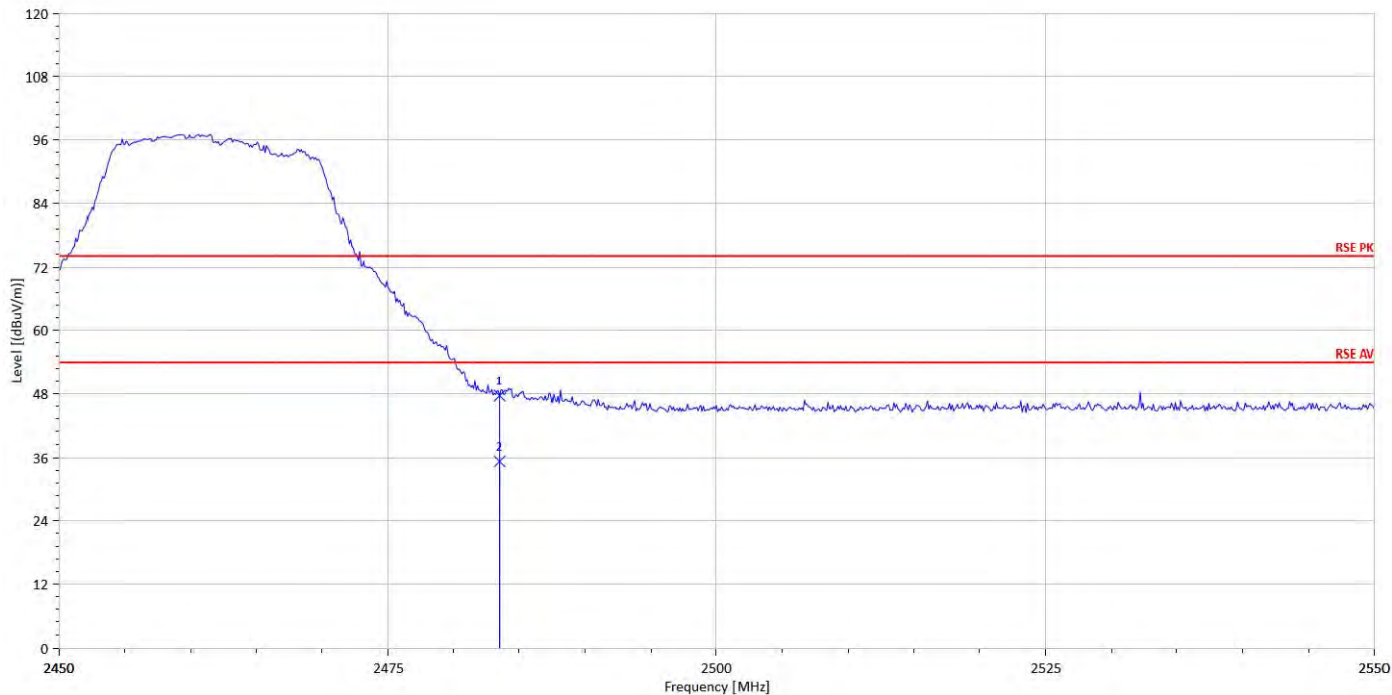


Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	46.53	1.16	47.69	74	-26.31
2483.50	E	Average	34.14	1.16	35.30	54	-18.70

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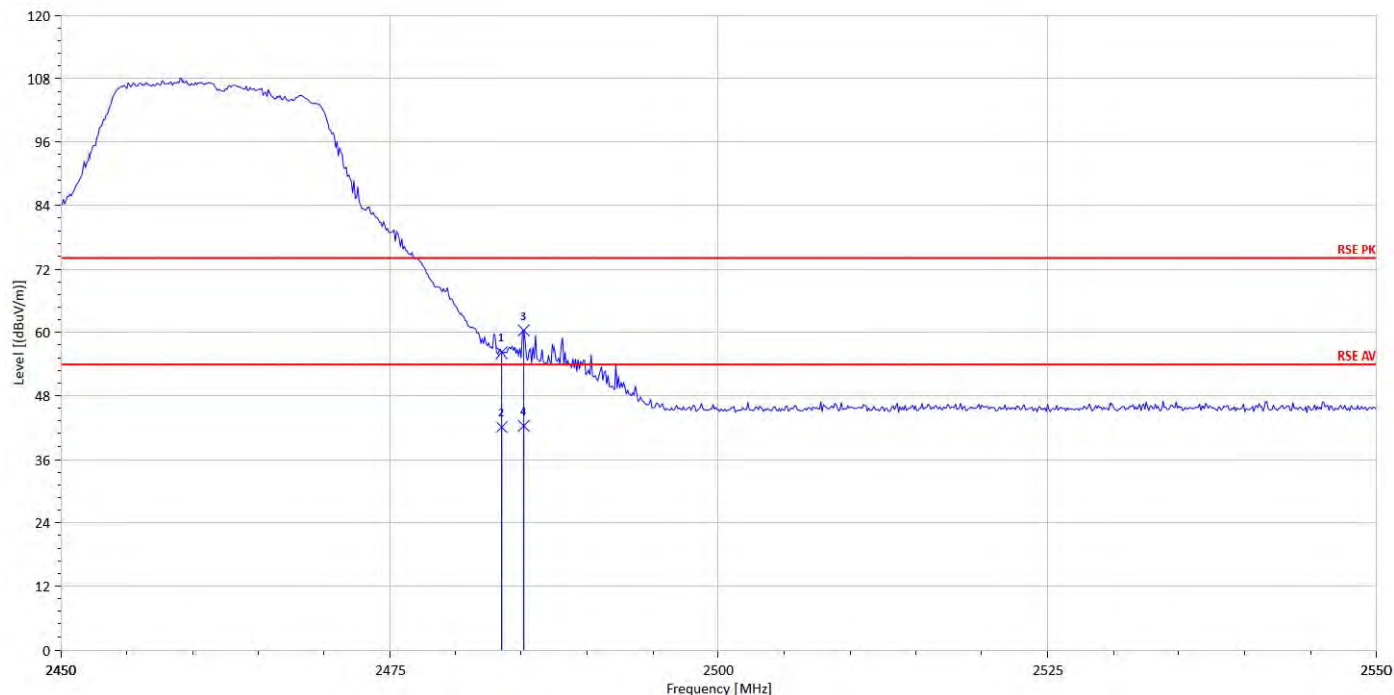
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	54.99	1.16	56.15	74	-17.85
2483.50	E	Average	40.89	1.16	42.05	54	-11.95
2485.20	S	Peak	59.19	1.16	60.34	74	-13.66
2485.20	S	Average	41.15	1.16	42.31	54	-11.69

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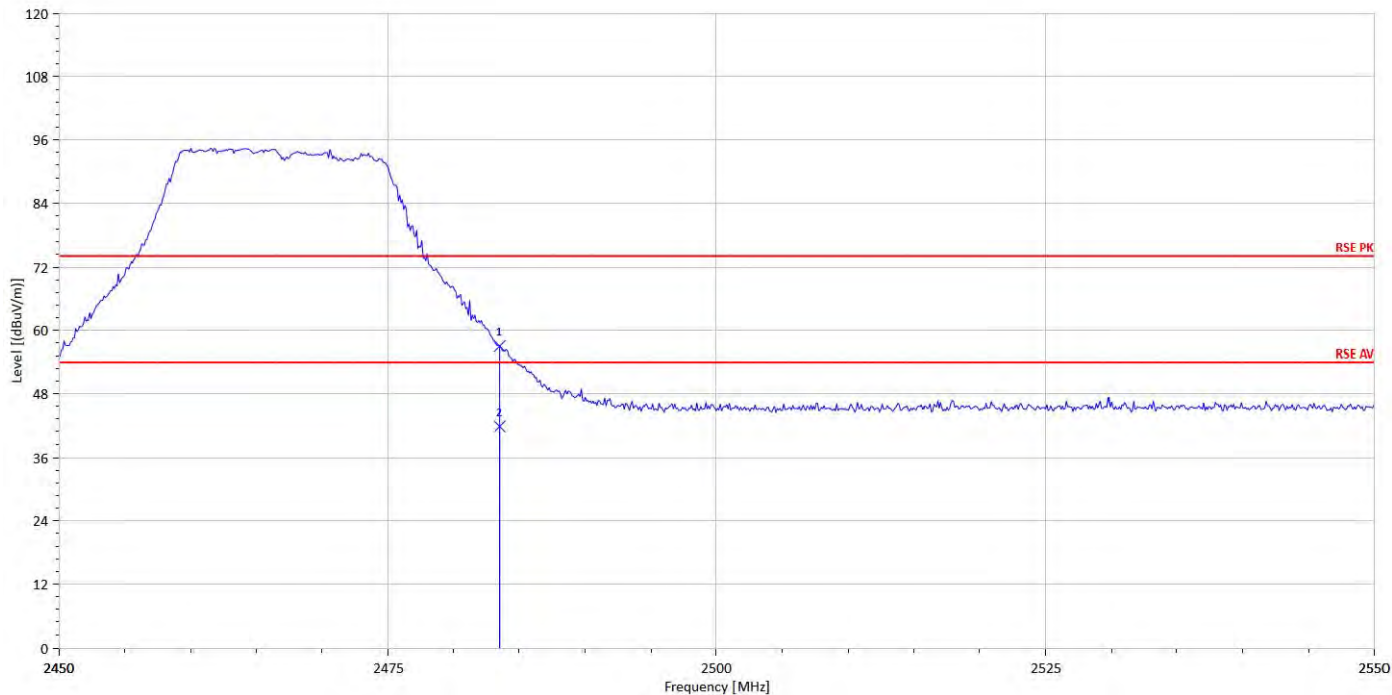
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	55.80	1.16	56.96	74	-17.04
2483.50	E	Average	40.64	1.16	41.80	54	-12.20

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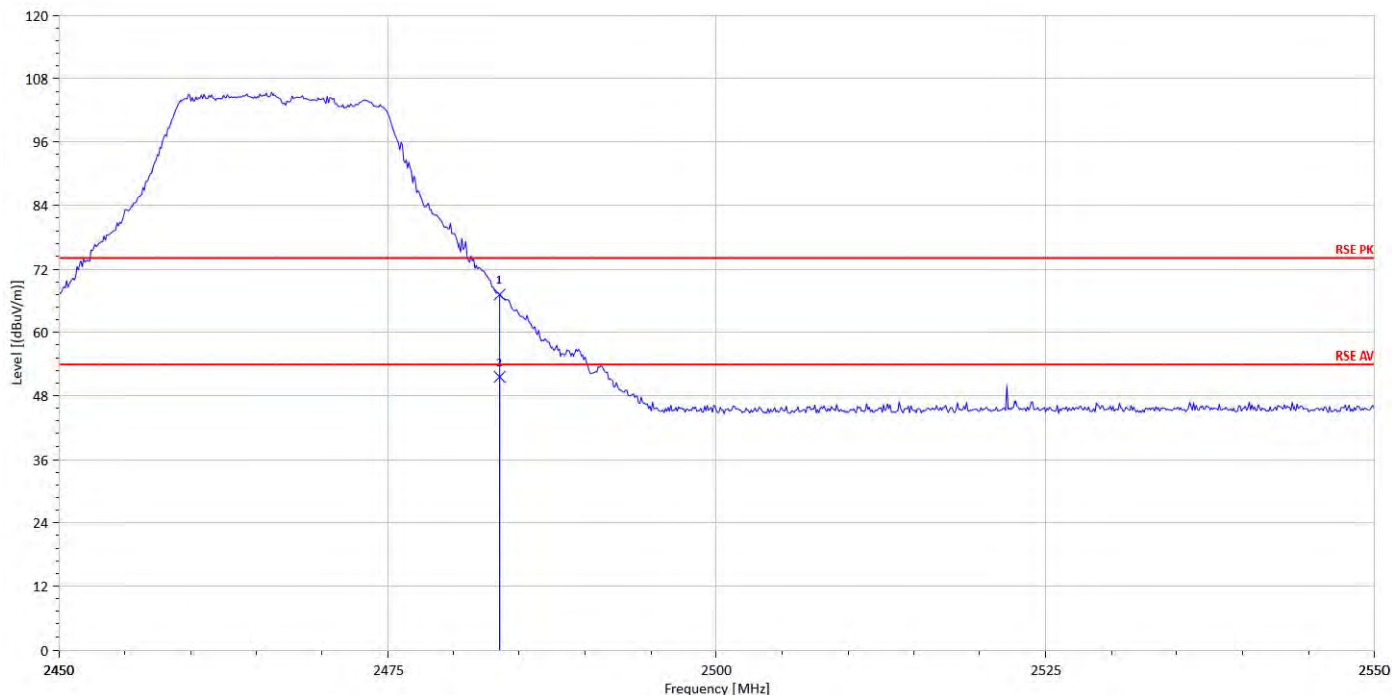
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	66.01	1.16	67.17	74	-6.83
2483.50	E	Average	50.48	1.16	51.64	54	-2.36

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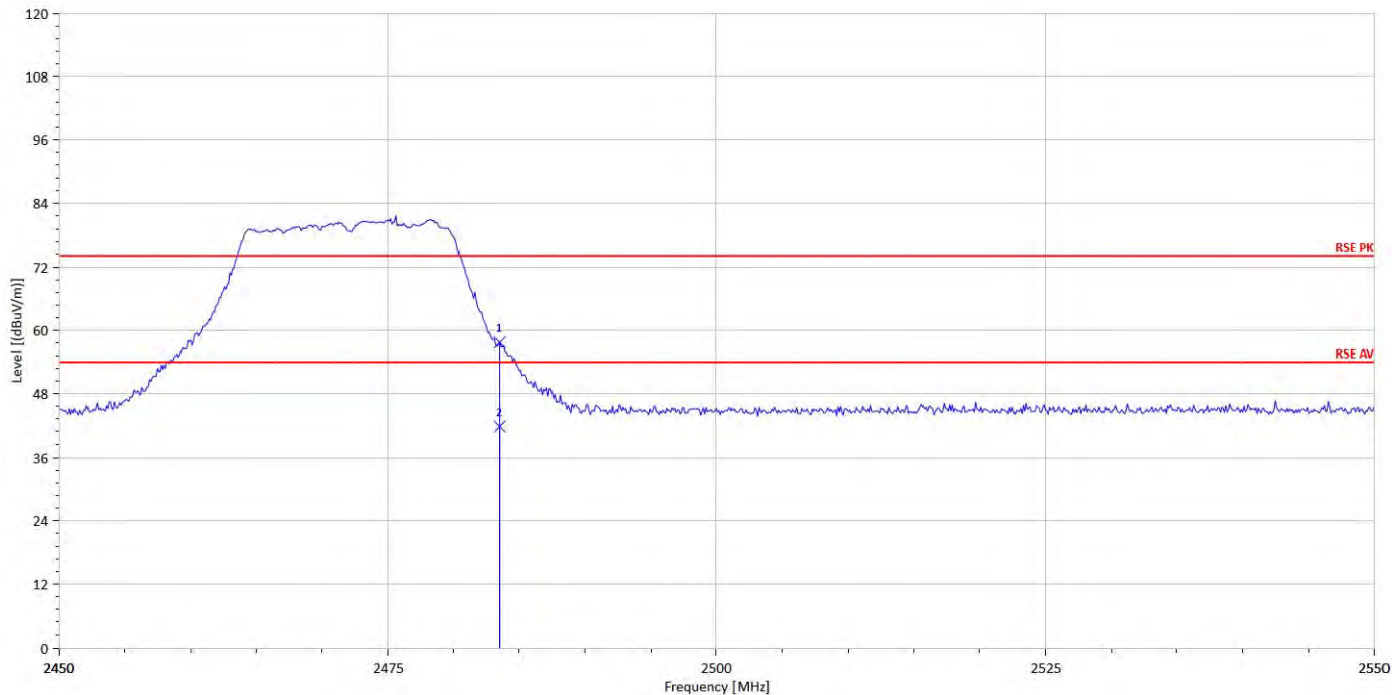
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	56.54	1.16	57.70	74	-16.30
2483.50	E	Average	40.61	1.16	41.77	54	-12.23

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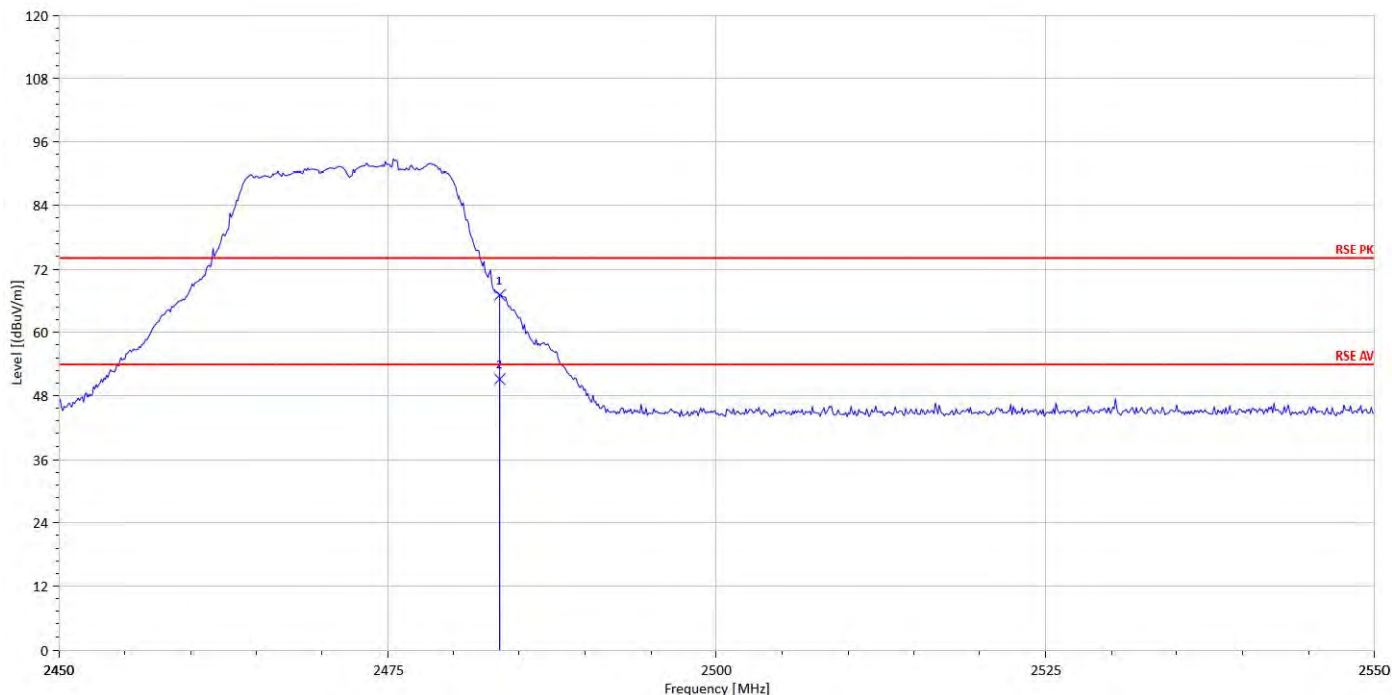
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	65.93	1.16	67.09	74	-6.91
2483.50	E	Average	50.05	1.16	51.21	54	-2.79

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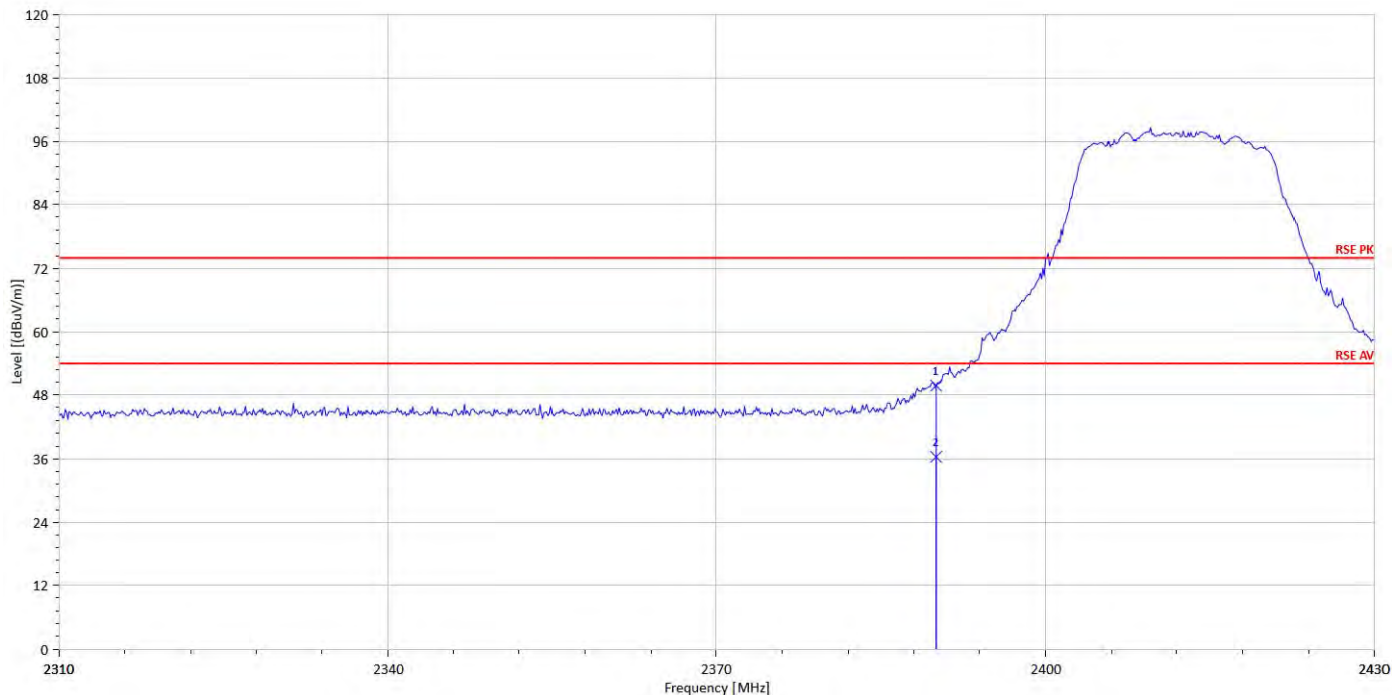
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Radiated Band Edge Measurement Result (802.11_HT20)

Operation Mode :	802.11n20	Test Date :	2017/8/29
Fundamental Frequency :	2412 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	E	Peak	48.88	0.92	49.80	74	-24.20
2390.00	E	Average	35.45	0.92	36.37	54	-17.63

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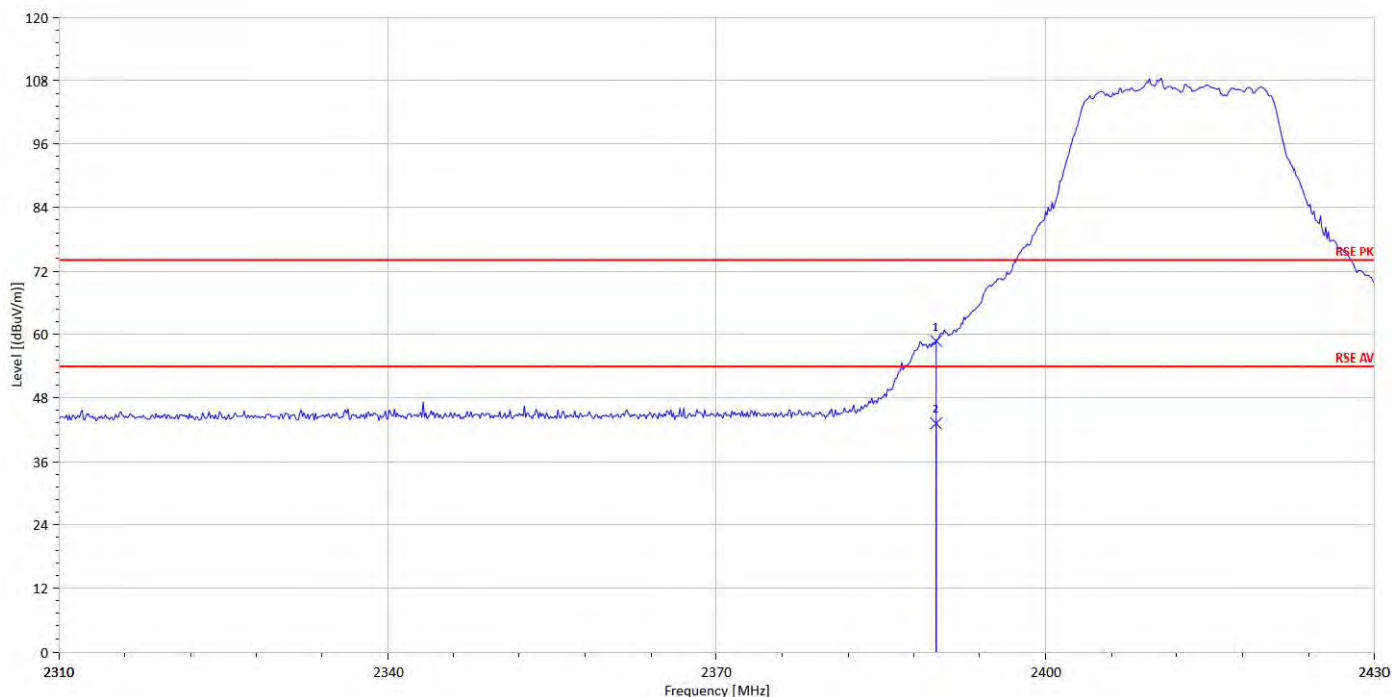
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Operation Mode :	802.11n20	Test Date :	2017/8/29
Fundamental Frequency :	2412 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	E	Peak	57.79	0.92	58.71	74	-15.29
2390.00	E	Average	42.23	0.92	43.15	54	-10.85

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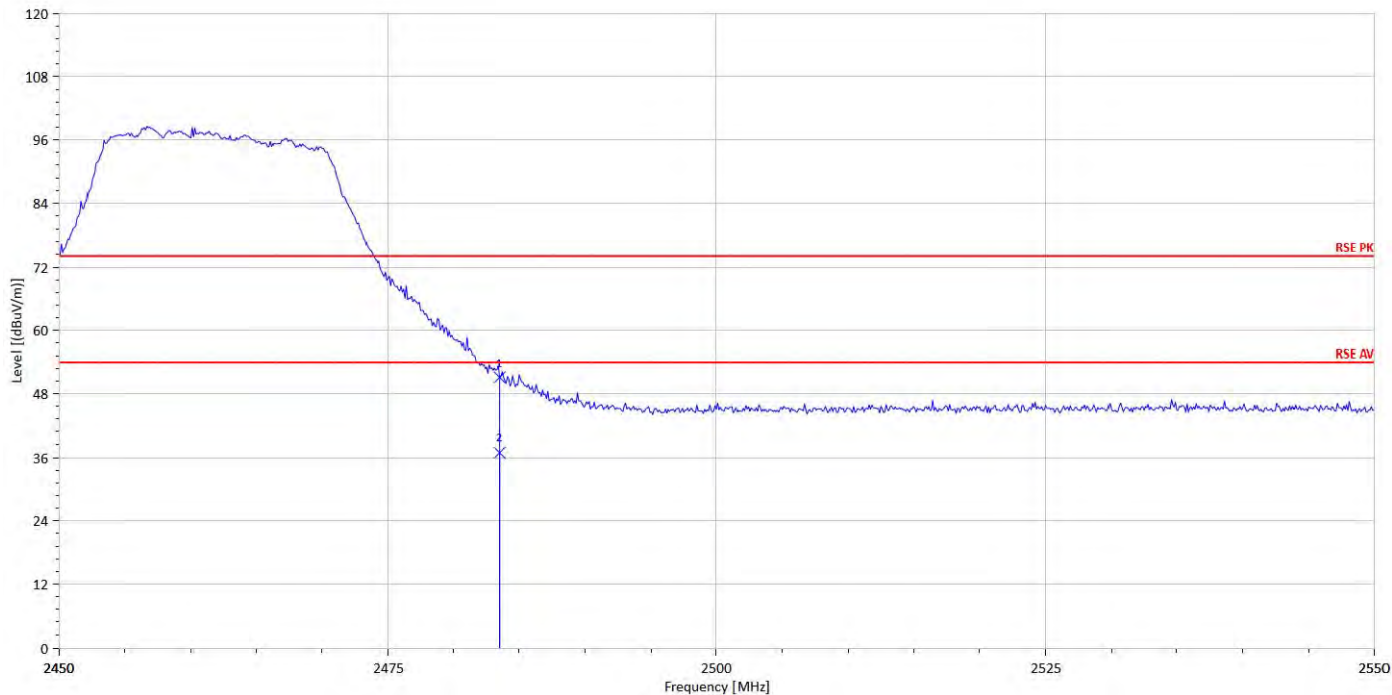
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	50.01	1.16	51.17	74	-22.83
2483.50	E	Average	35.79	1.16	36.95	54	-17.05

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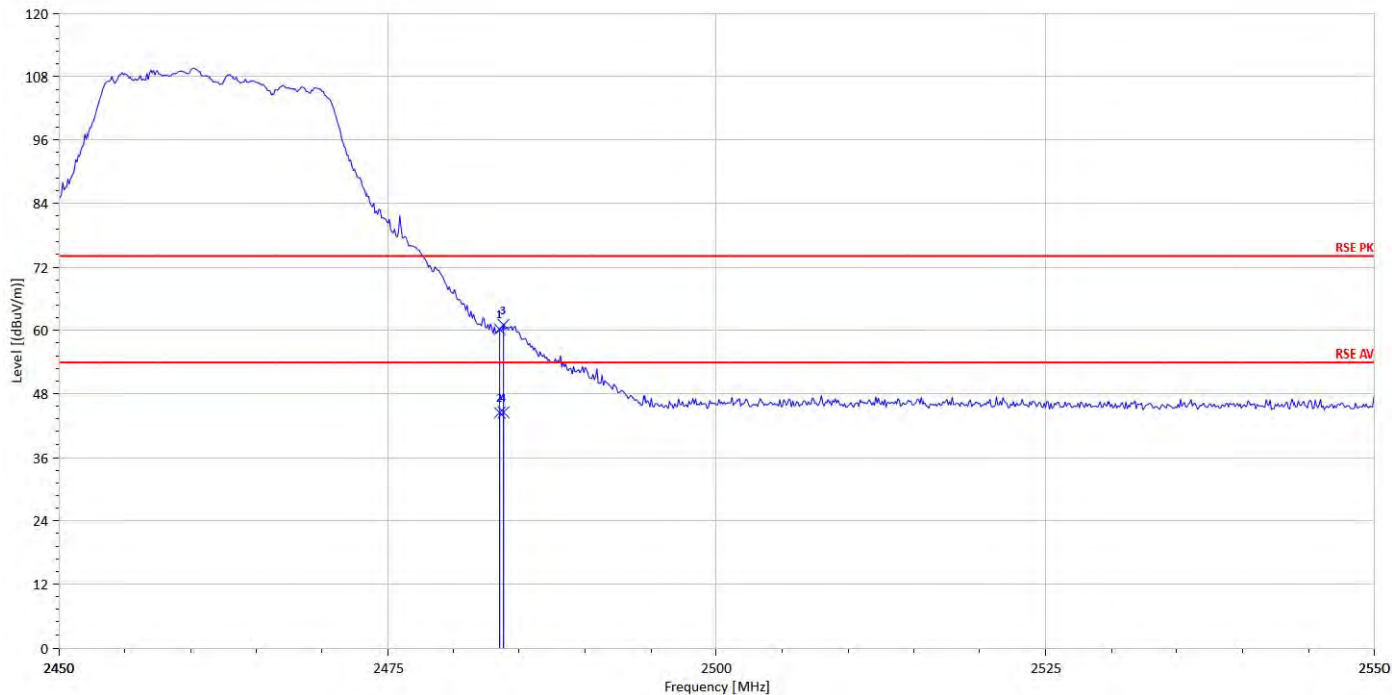
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 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	59.03	1.16	60.19	74	-13.81
2483.50	E	Average	43.27	1.16	44.43	54	-9.57
2483.80	S	Peak	59.88	1.16	61.04	74	-12.96
2483.80	S	Average	43.35	1.16	44.51	54	-9.49

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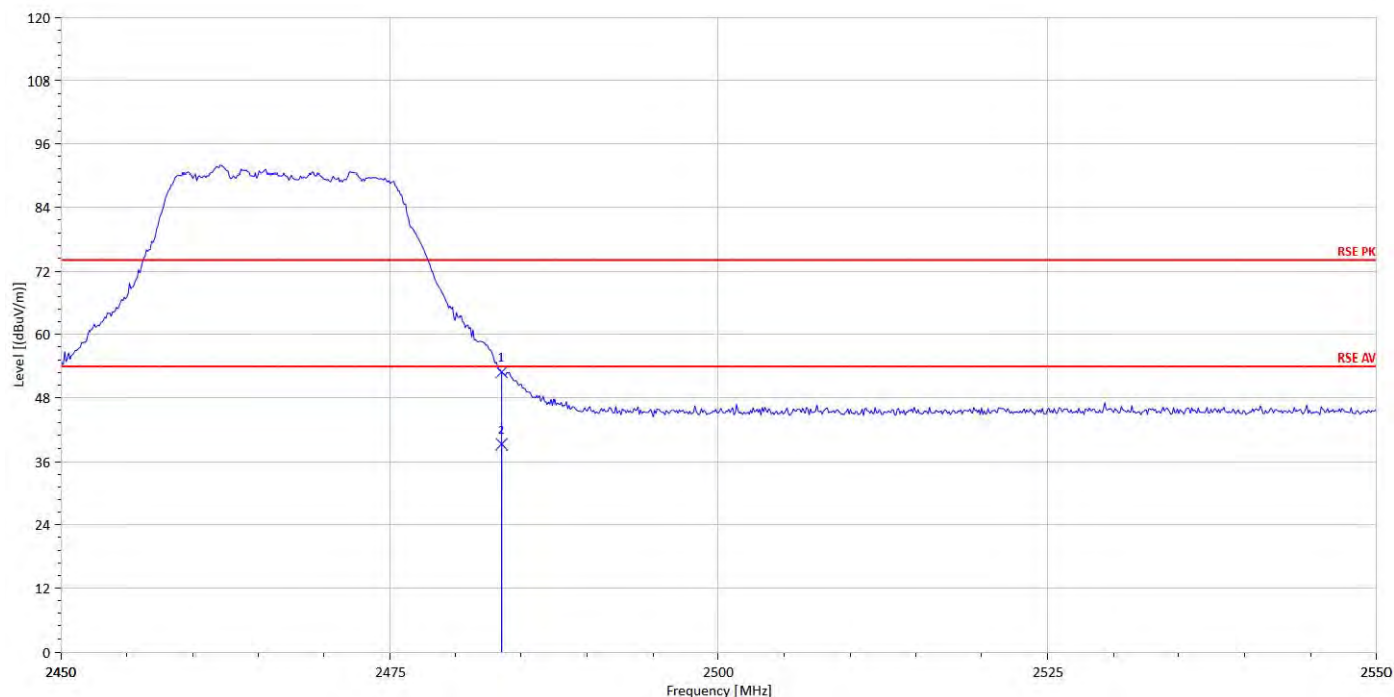
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 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	51.78	1.16	52.94	74	-21.06
2483.50	E	Average	38.03	1.16	39.19	54	-14.81

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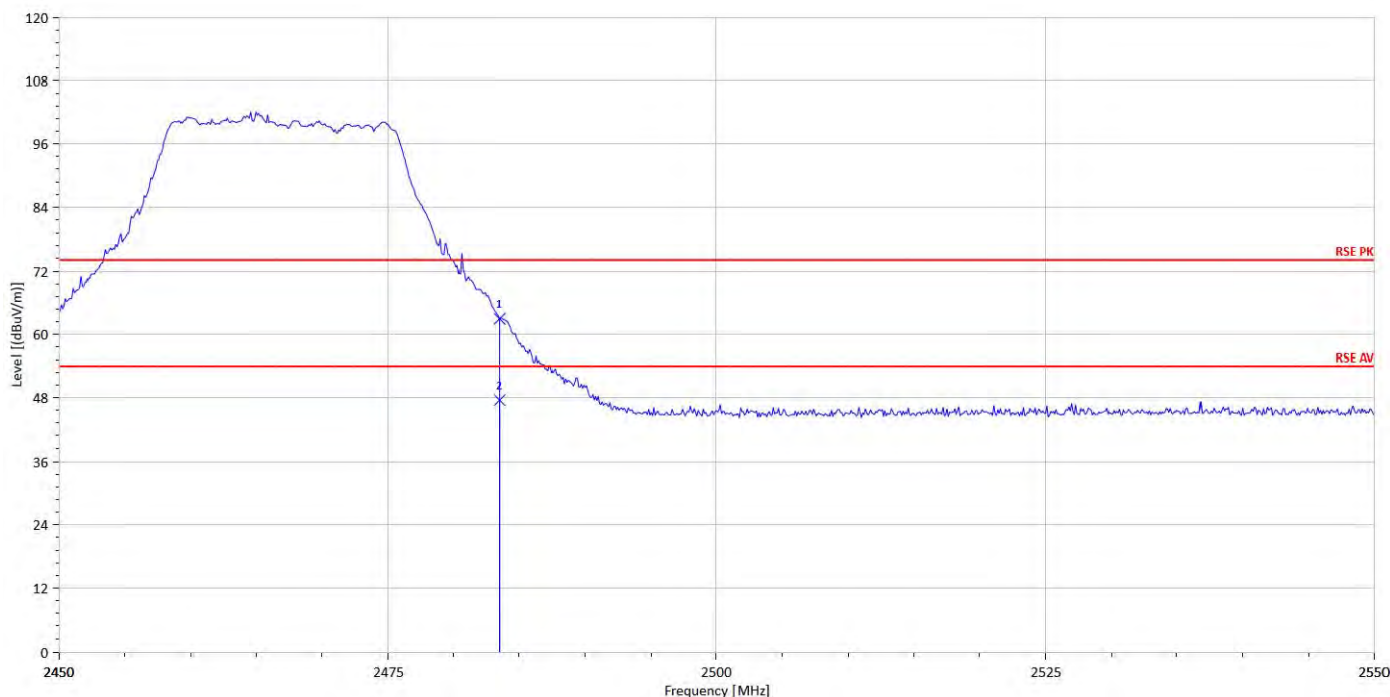
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	61.78	1.16	62.94	74	-11.06
2483.50	E	Average	46.42	1.16	47.58	54	-6.42

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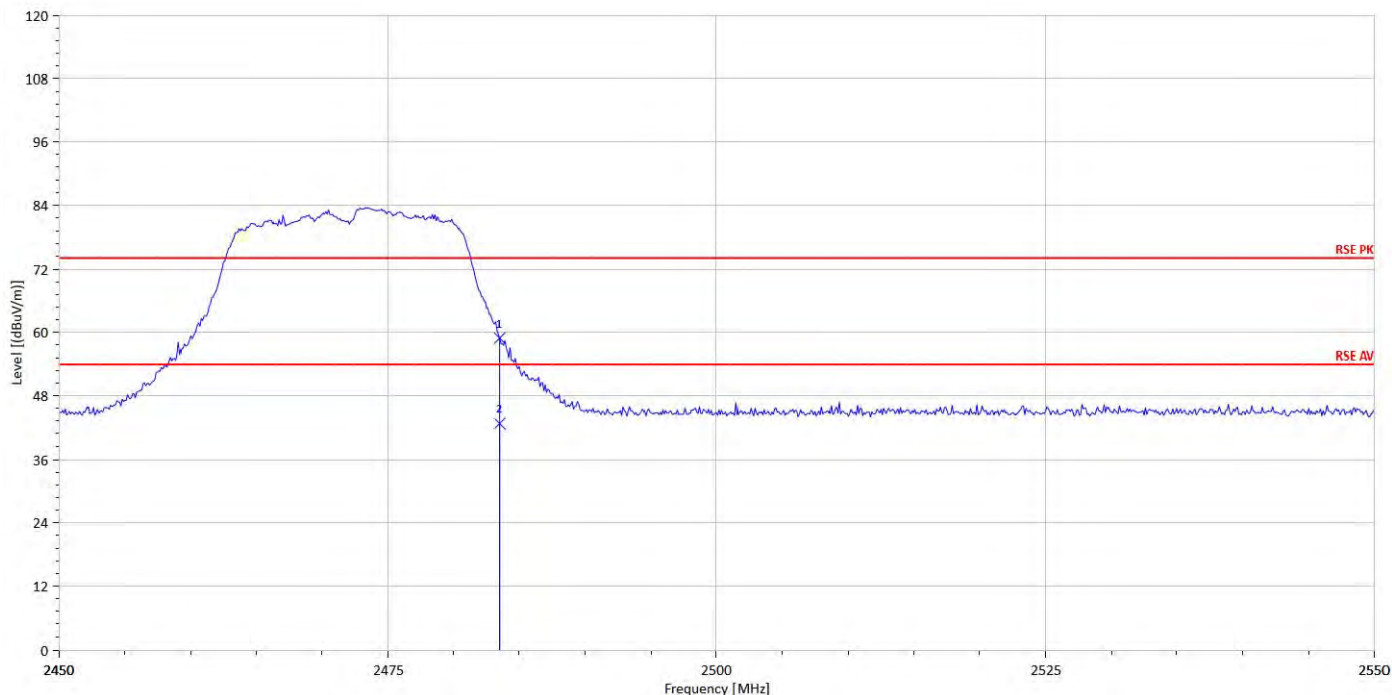
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	57.70	1.16	58.86	74	-15.14
2483.50	E	Average	41.57	1.16	42.73	54	-11.27

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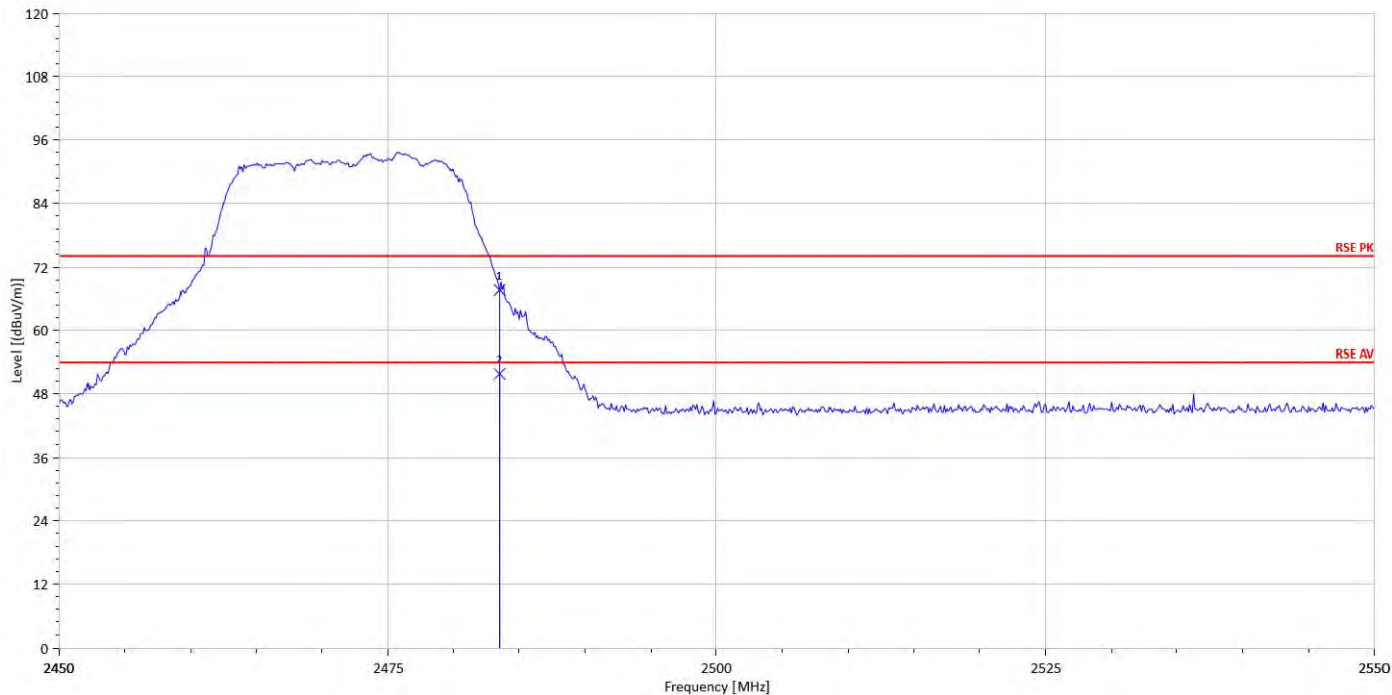
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	66.53	1.16	67.69	74	-6.31
2483.50	E	Average	50.68	1.16	51.84	54	-2.16

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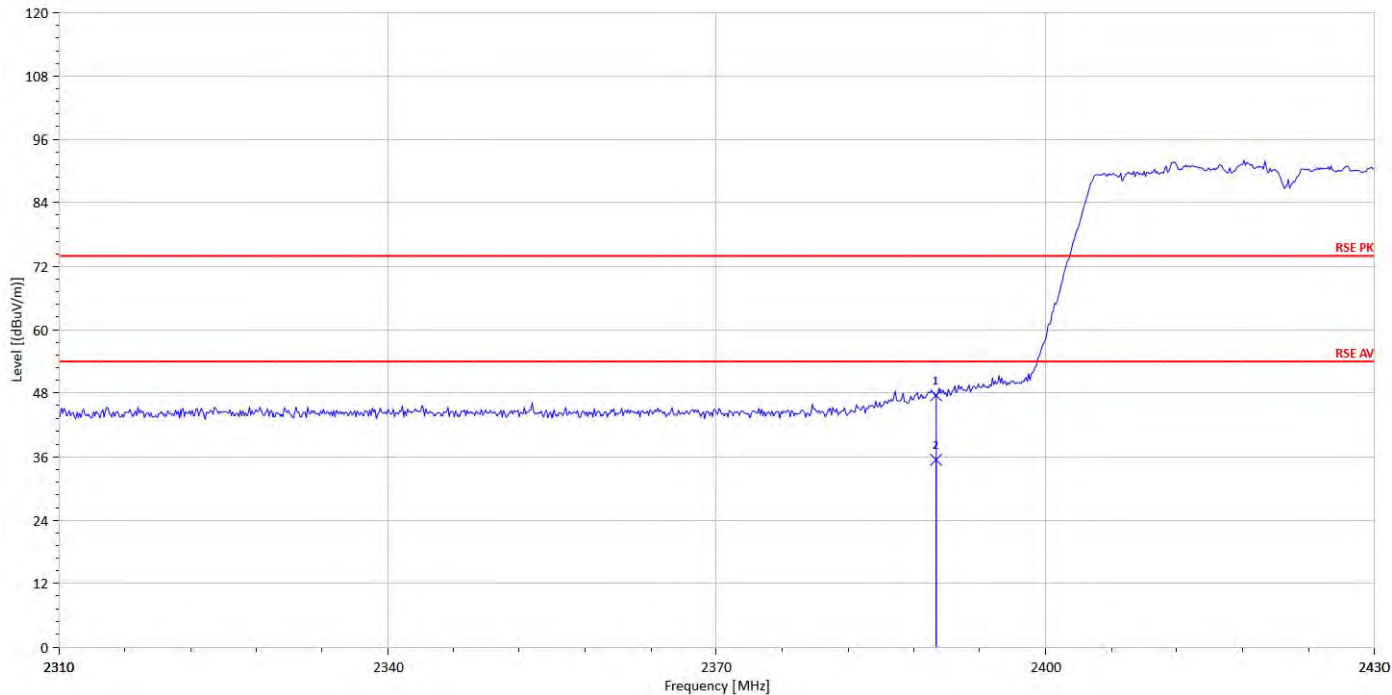
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Radiated Band Edge Measurement Result (802.11_HT40)

Operation Mode :	802.11n40	Test Date :	2017/8/29
Fundamental Frequency :	2422 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	E	Peak	46.62	0.92	47.55	74	-26.45
2390.00	E	Average	34.51	0.92	35.43	54	-18.57

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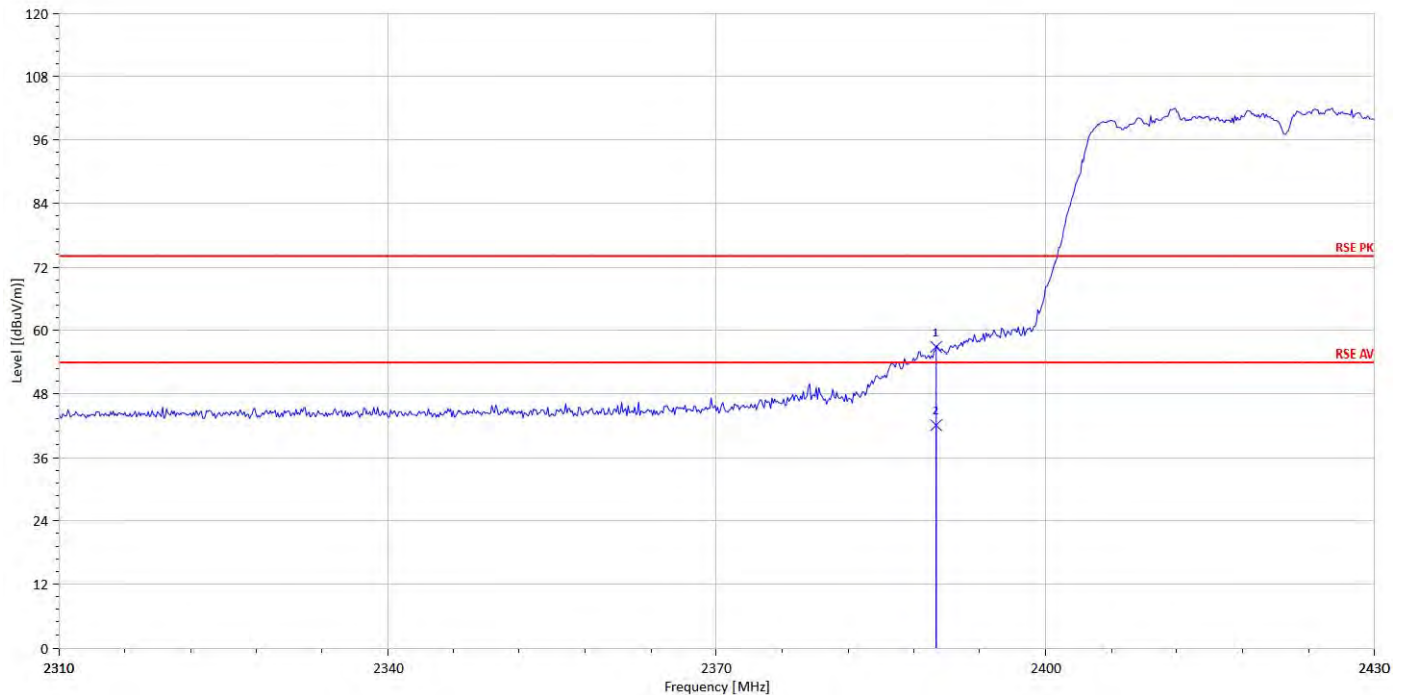
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Operation Mode :	802.11n40	Test Date :	2017/8/29
Fundamental Frequency :	2422 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2390.00	E	Peak	55.89	0.92	56.81	74	-17.19
2390.00	E	Average	41.11	0.92	42.03	54	-11.97

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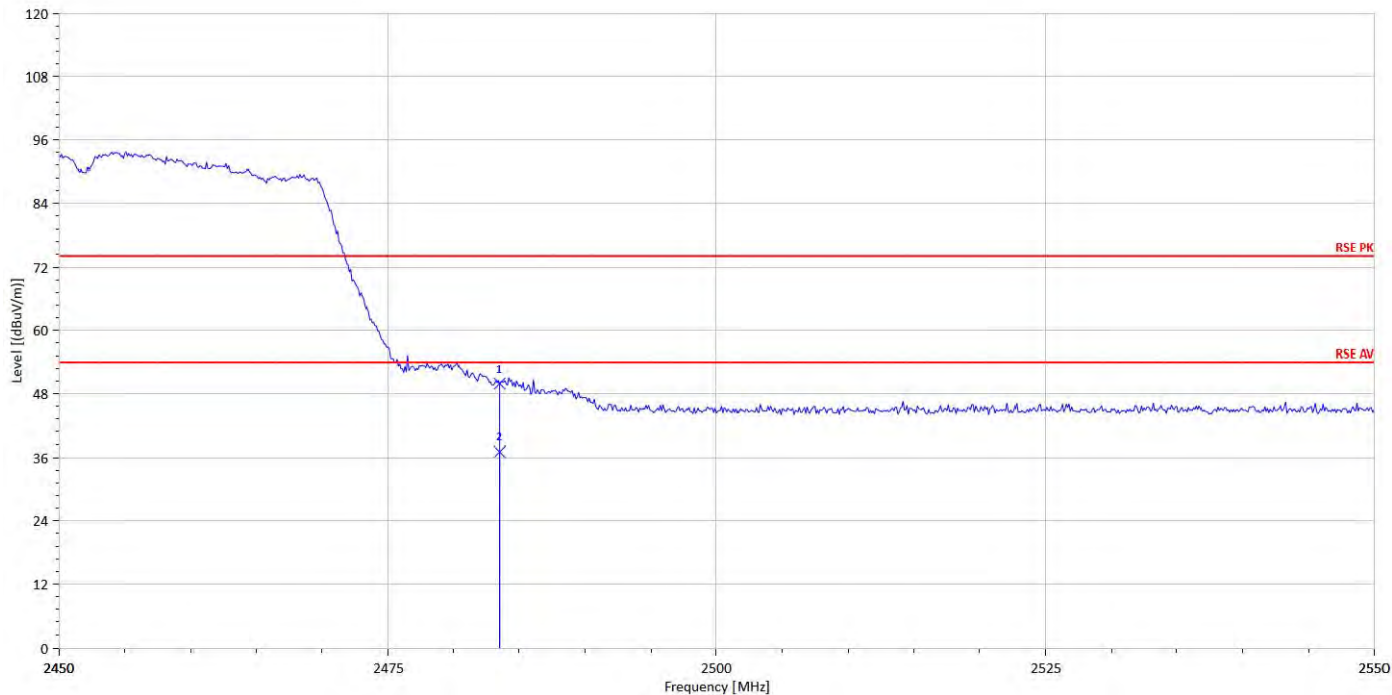
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2452 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	48.82	1.16	49.98	74	-24.02
2483.50	E	Average	35.93	1.16	37.09	54	-16.91

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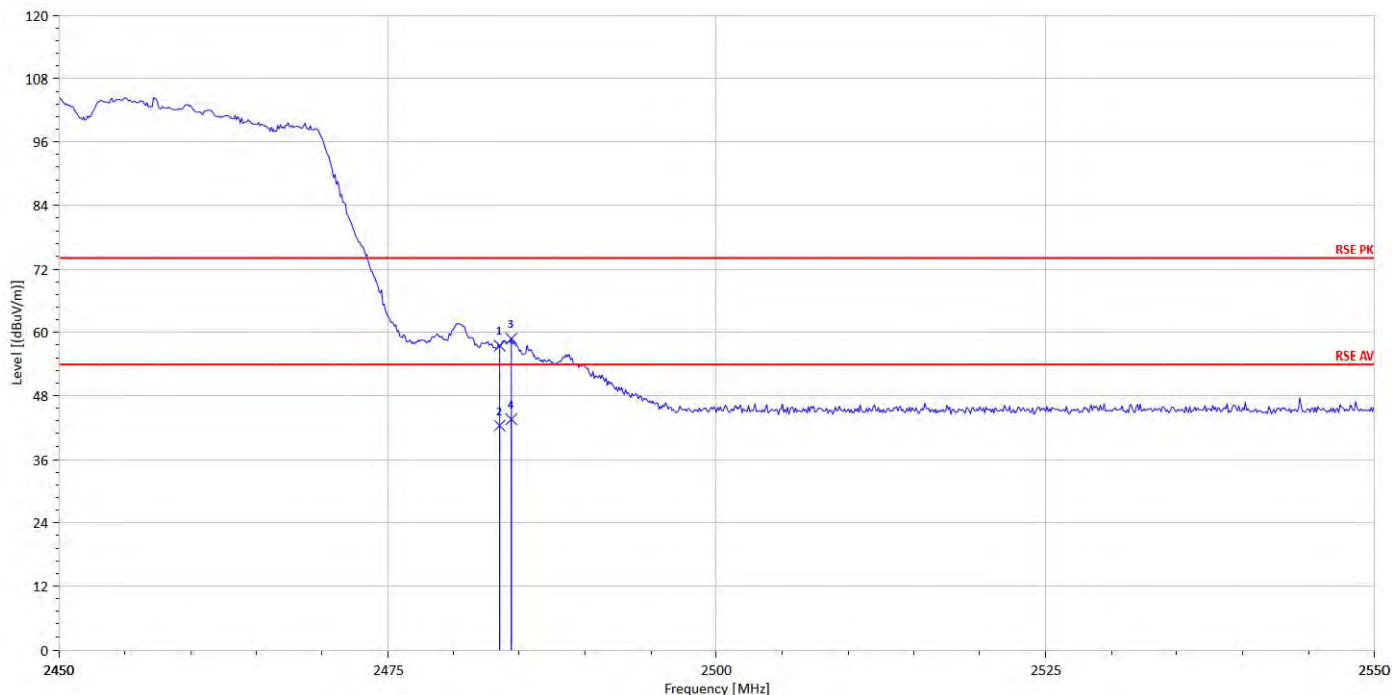
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Operation Mode :	802.11n40	Test Date :	2017/8/29
Fundamental Frequency :	2452 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	BE CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	56.27	1.16	57.43	74	-16.57
2483.50	E	Average	41.18	1.16	42.34	54	-11.66
2484.40	S	Peak	57.60	1.16	58.76	74	-15.24
2484.40	S	Average	42.40	1.16	43.56	54	-10.44

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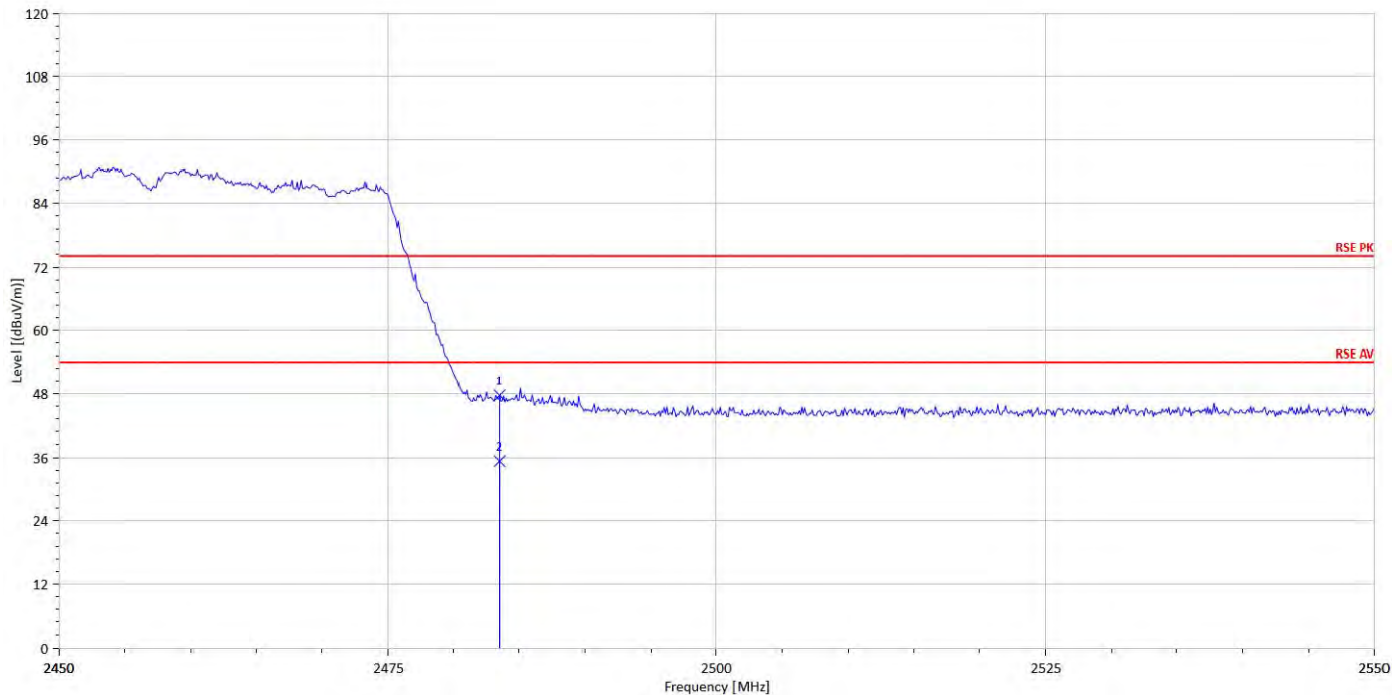
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2457 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 10 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	46.58	1.16	47.74	74	-26.26
2483.50	E	Average	34.17	1.16	35.33	54	-18.67

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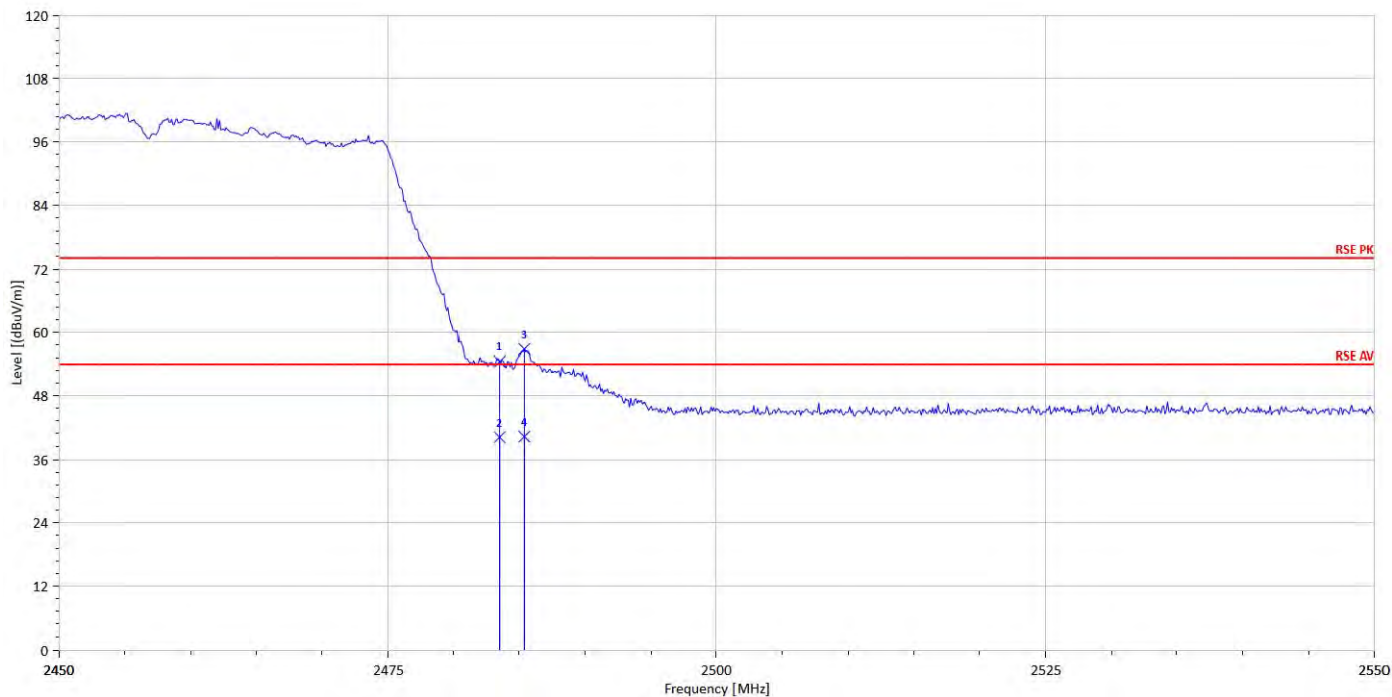
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2457 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 10 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	53.36	1.16	54.52	74	-19.48
2483.50	E	Average	38.95	1.16	40.11	54	-13.89
2485.40	S	Peak	55.65	1.15	56.80	74	-17.20
2485.40	S	Average	39.08	1.15	40.23	54	-13.77

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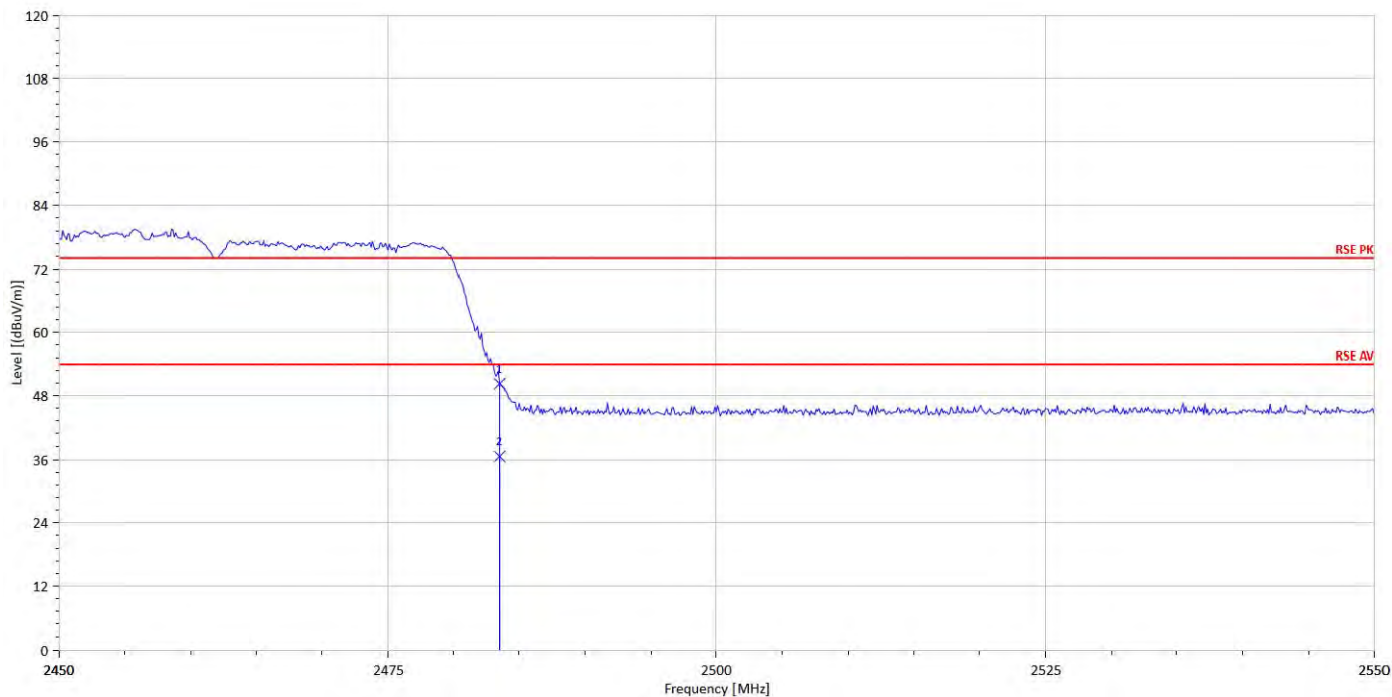
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 11 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	49.19	1.16	50.35	74	-23.65
2483.50	E	Average	35.47	1.16	36.63	54	-17.37

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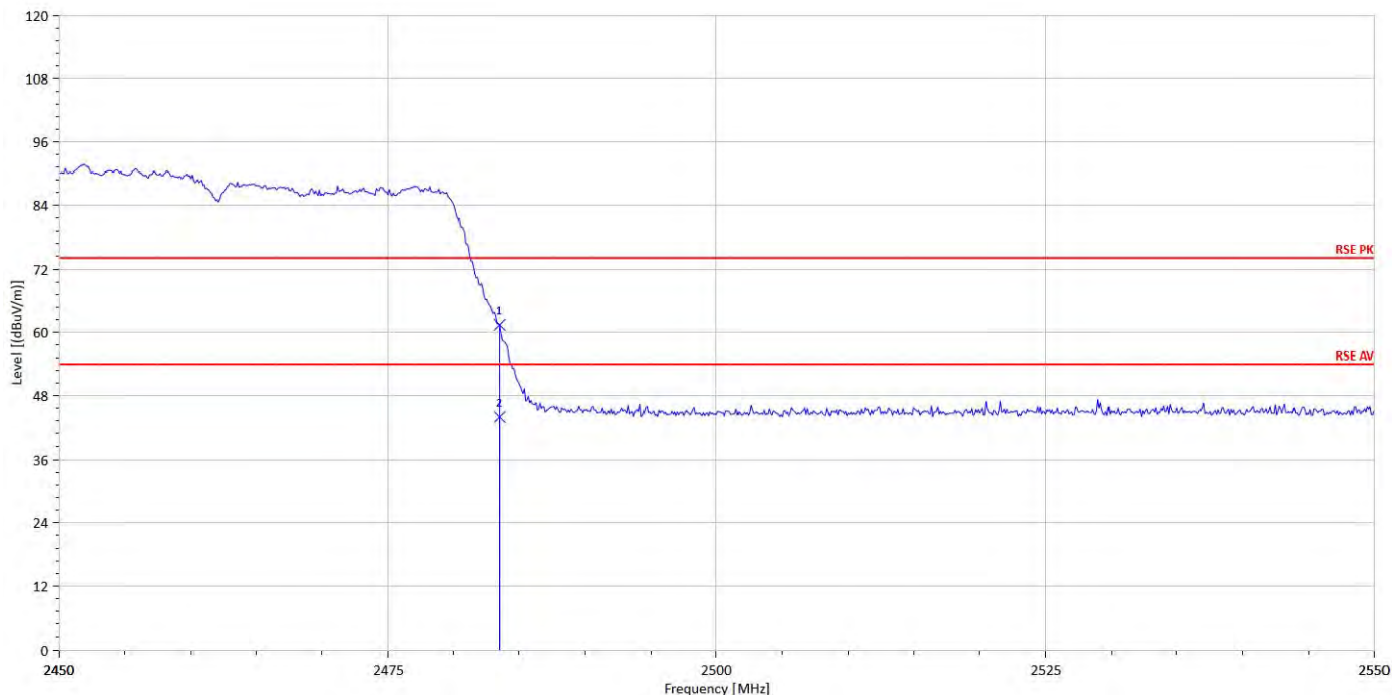
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 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : BE CH 11 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
2483.50	E	Peak	60.23	1.16	61.39	74	-12.61
2483.50	E	Average	42.82	1.16	43.98	54	-10.02

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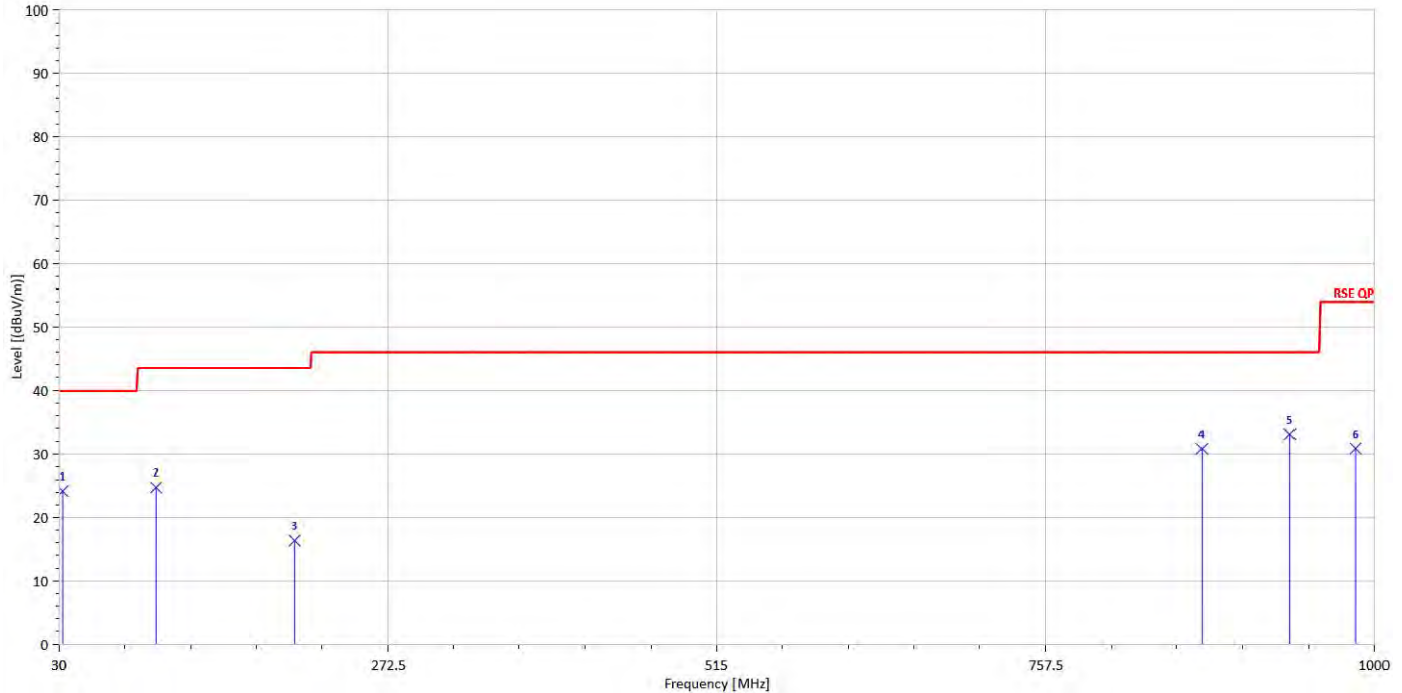
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Below 1GHz Worst-Case Data:

Radiated Spurious Emission Measurement Result (802.11 g)

Operation Mode :	802.11g	Test Date :	2017/8/29
Fundamental Frequency :	2412 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
32.91	S	Peak	32.94	-8.75	24.19	40	-15.81
101.78	S	Peak	42.29	-17.52	24.77	43.5	-18.73
203.63	S	Peak	33.66	-17.34	16.33	43.5	-27.17
872.93	S	Peak	33.47	-2.69	30.78	46	-15.22
937.92	S	Peak	34.81	-1.71	33.10	46	-12.90
986.42	S	Peak	31.48	-0.65	30.83	54	-23.17

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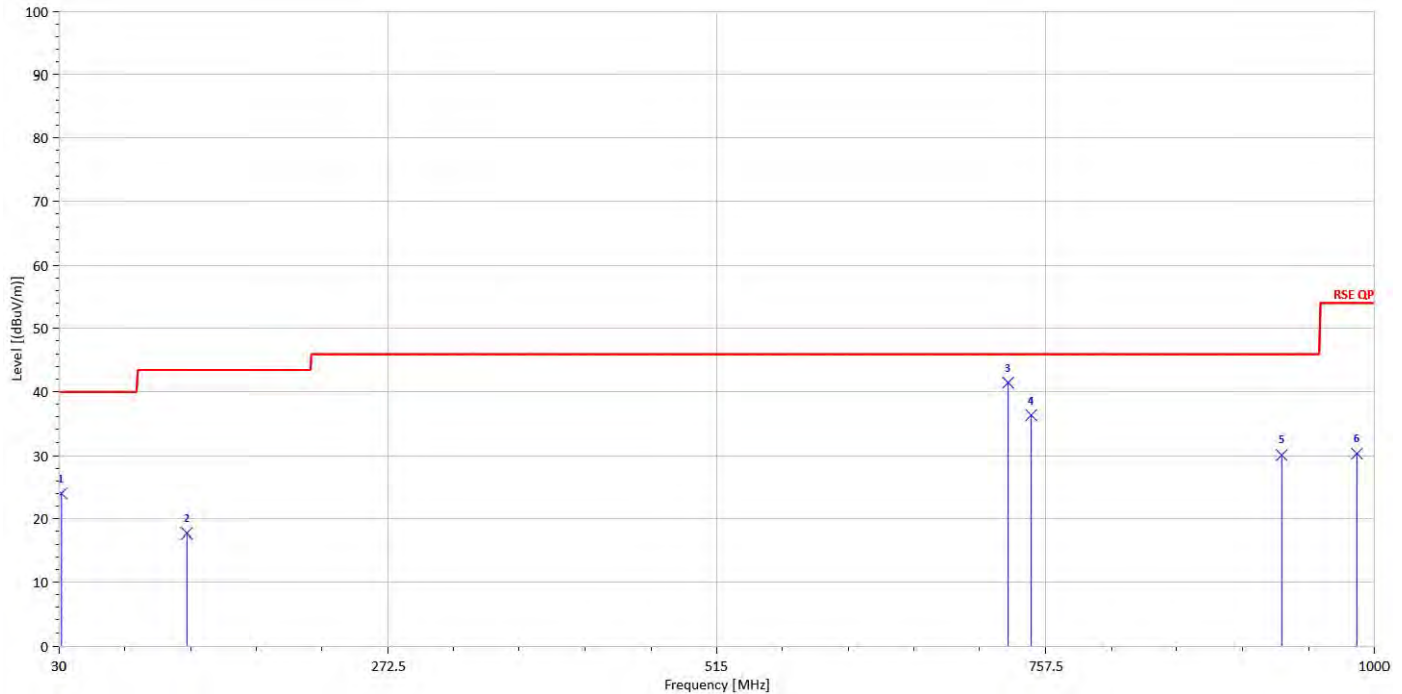
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2412 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
31.94	S	Peak	32.21	-8.22	23.99	40	-16.01
124.09	S	Peak	33.45	-15.75	17.70	43.5	-25.80
730.34	S	Peak	46.15	-4.67	41.48	46	-4.52
746.83	S	Peak	40.53	-4.23	36.30	46	-9.70
932.10	S	Peak	31.83	-1.72	30.11	46	-15.89
987.39	S	Peak	30.90	-0.57	30.34	54	-23.66

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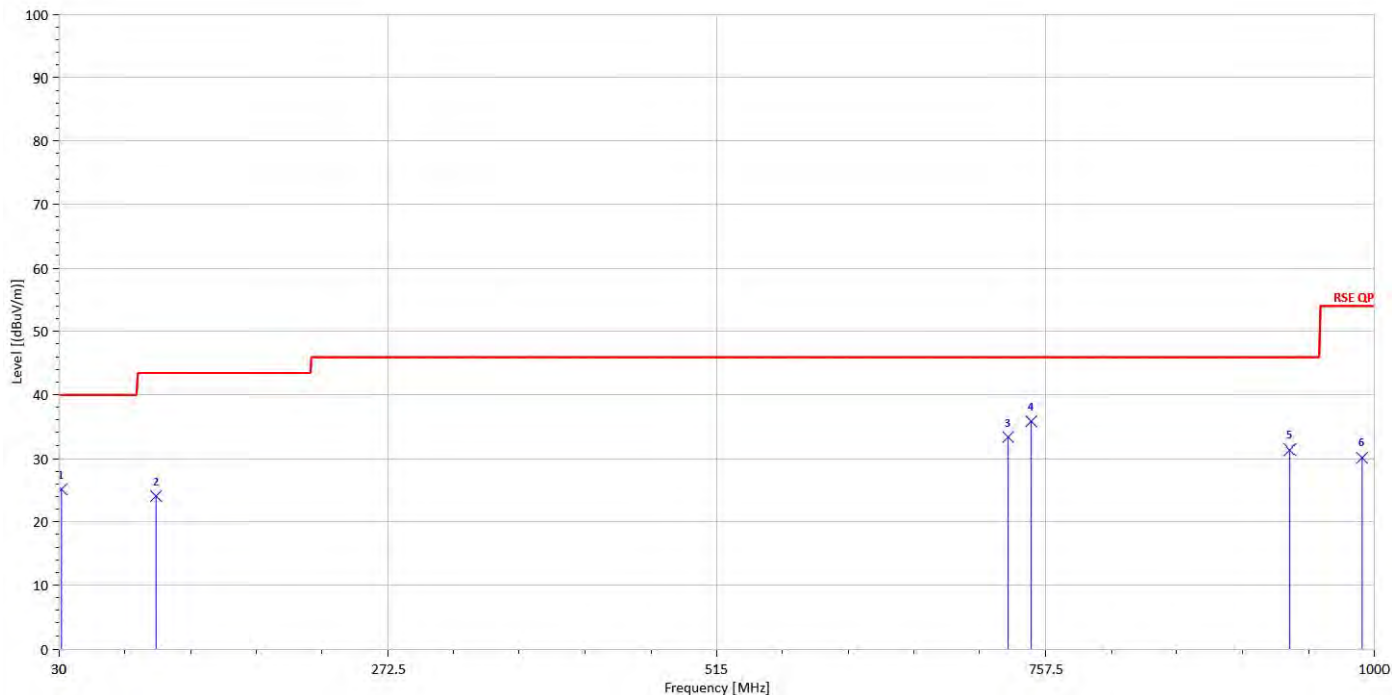
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
31.94	S	Peak	33.36	-8.22	25.14	40	-14.86
101.78	S	Peak	41.59	-17.52	24.06	43.5	-19.44
730.34	S	Peak	37.97	-4.67	33.30	46	-12.70
746.83	S	Peak	40.05	-4.23	35.82	46	-10.18
937.92	S	Peak	33.08	-1.71	31.37	46	-14.63
991.27	S	Peak	30.82	-0.67	30.15	54	-23.85

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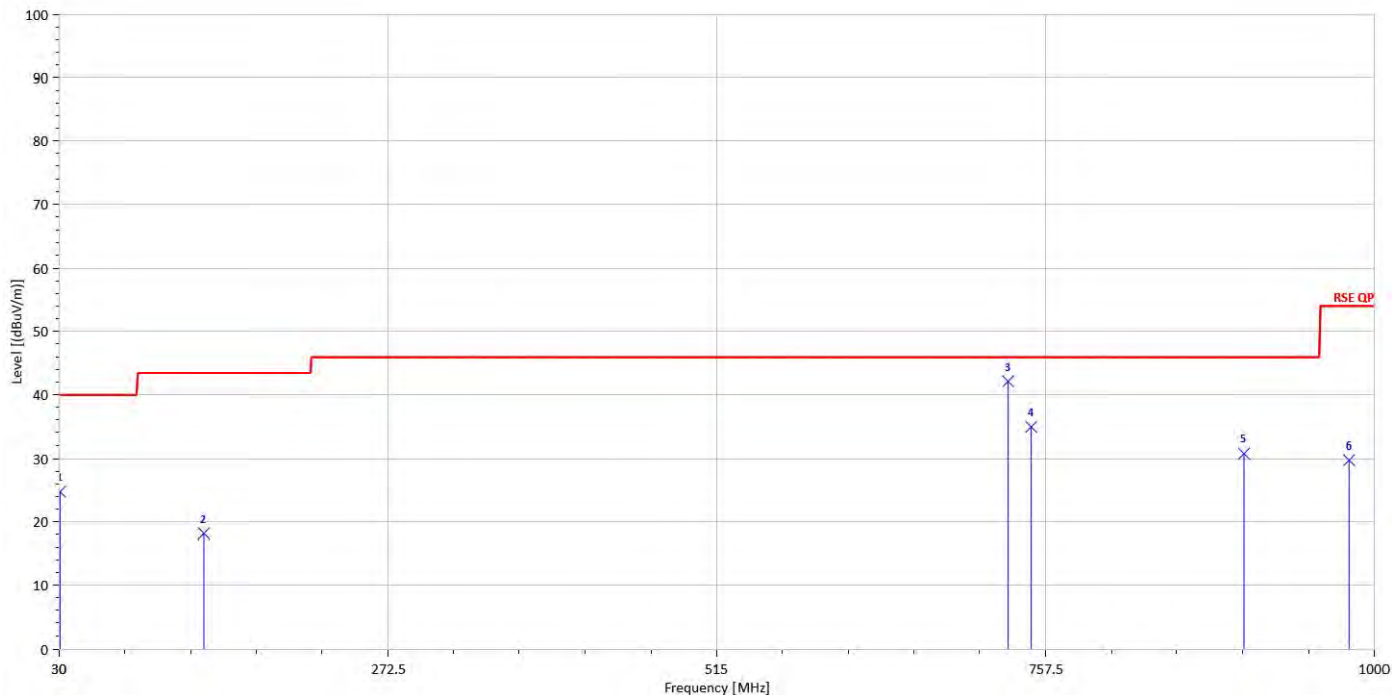
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
30.97	S	Peak	32.45	-7.70	24.75	40	-15.25
136.70	S	Peak	33.96	-15.82	18.13	43.5	-25.37
730.34	S	Peak	46.84	-4.67	42.17	46	-3.83
746.83	S	Peak	39.15	-4.23	34.92	46	-11.08
903.97	S	Peak	32.60	-1.79	30.80	46	-15.20
981.57	S	Peak	30.68	-0.92	29.76	54	-24.24

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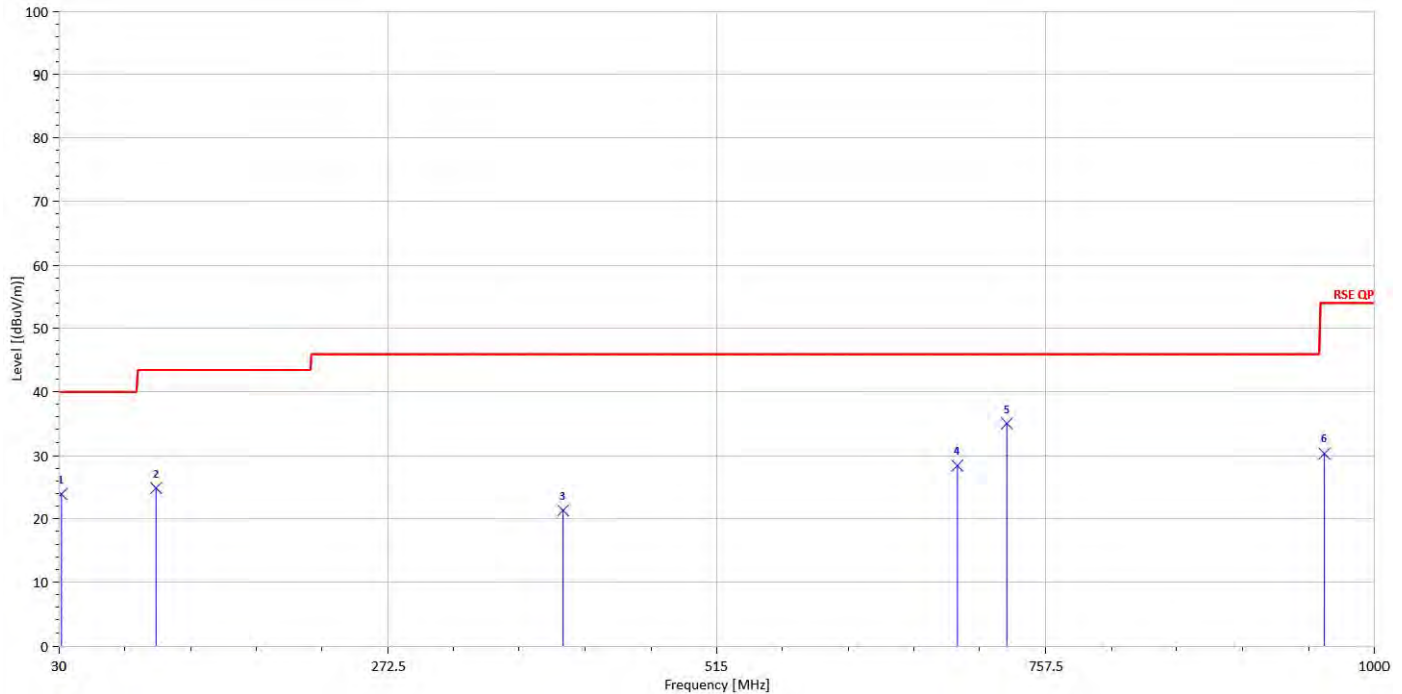
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
31.94	S	Peak	32.11	-8.22	23.89	40	-16.11
101.78	S	Peak	42.37	-17.52	24.85	43.5	-18.65
401.51	S	Peak	31.08	-9.81	21.27	46	-24.73
692.51	S	Peak	33.88	-5.45	28.43	46	-17.57
729.37	S	Peak	39.63	-4.64	34.99	46	-11.01
963.14	S	Peak	32.42	-2.09	30.34	54	-23.66

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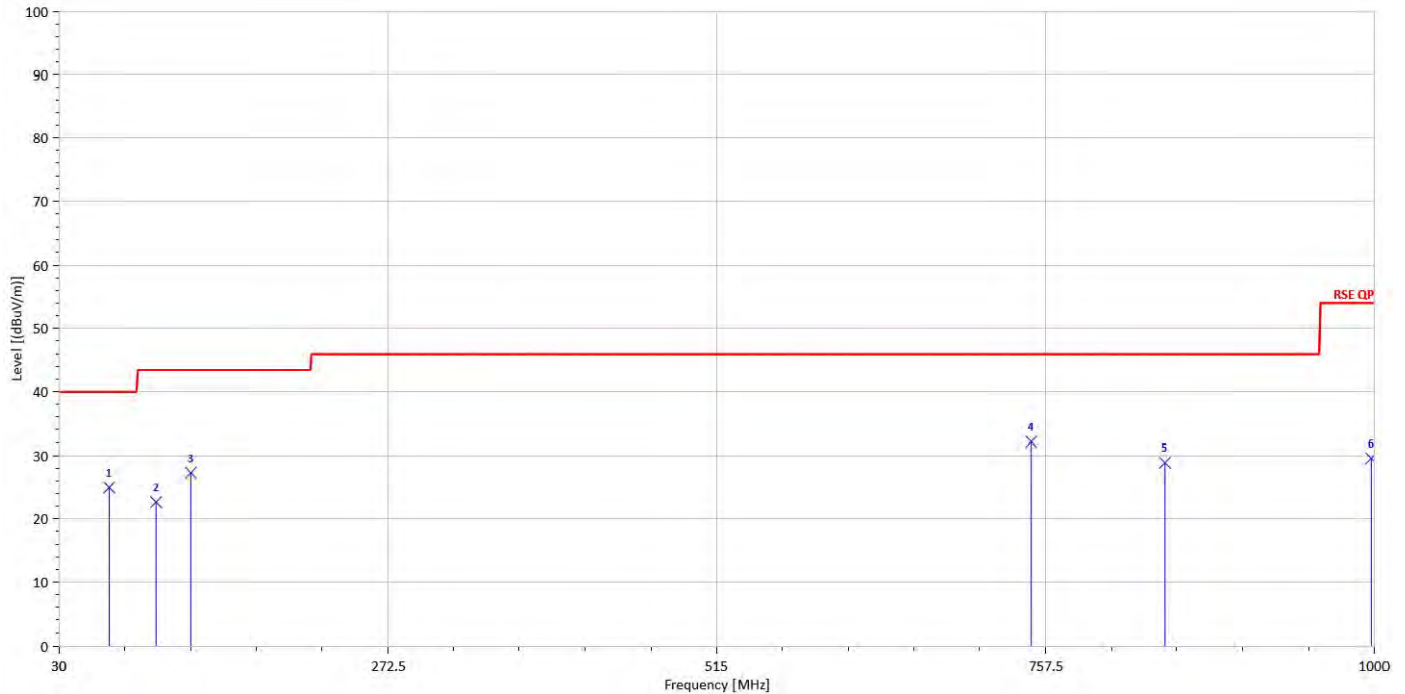
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Operation Mode : 802.11g Test Date : 2017/8/29
Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : TX CH High Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
66.86	S	Peak	47.12	-22.18	24.94	40	-15.06
101.78	S	Peak	40.13	-17.52	22.61	43.5	-20.89
127.00	S	Peak	42.93	-15.65	27.28	43.5	-16.22
746.83	S	Peak	36.38	-4.23	32.15	46	-13.85
845.77	S	Peak	31.88	-3.01	28.87	46	-17.13
998.06	S	Peak	30.24	-0.67	29.57	54	-24.43

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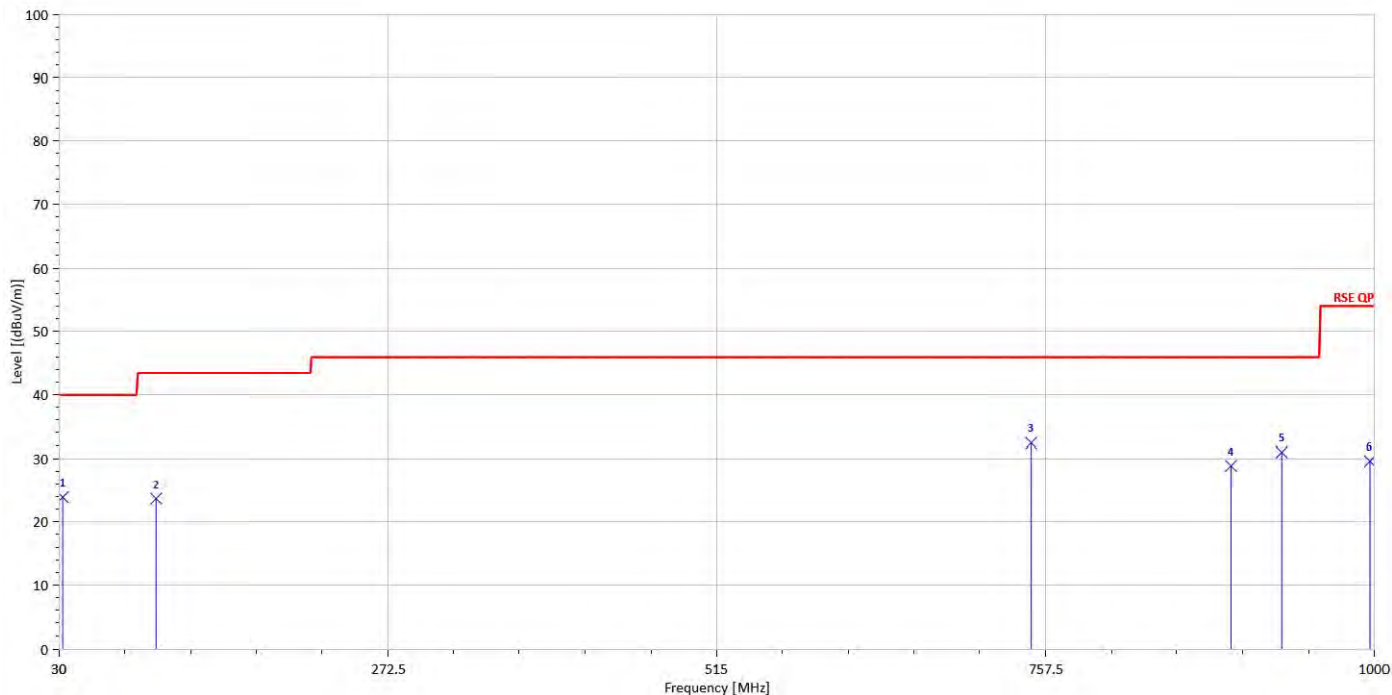
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
32.91	S	Peak	32.62	-8.75	23.87	40	-16.13
101.78	S	Peak	41.18	-17.52	23.65	43.5	-19.85
746.83	S	Peak	36.64	-4.23	32.41	46	-13.59
894.27	S	Peak	31.18	-2.34	28.85	46	-17.15
932.10	S	Peak	32.71	-1.72	30.99	46	-15.01
997.09	S	Peak	30.24	-0.66	29.59	54	-24.41

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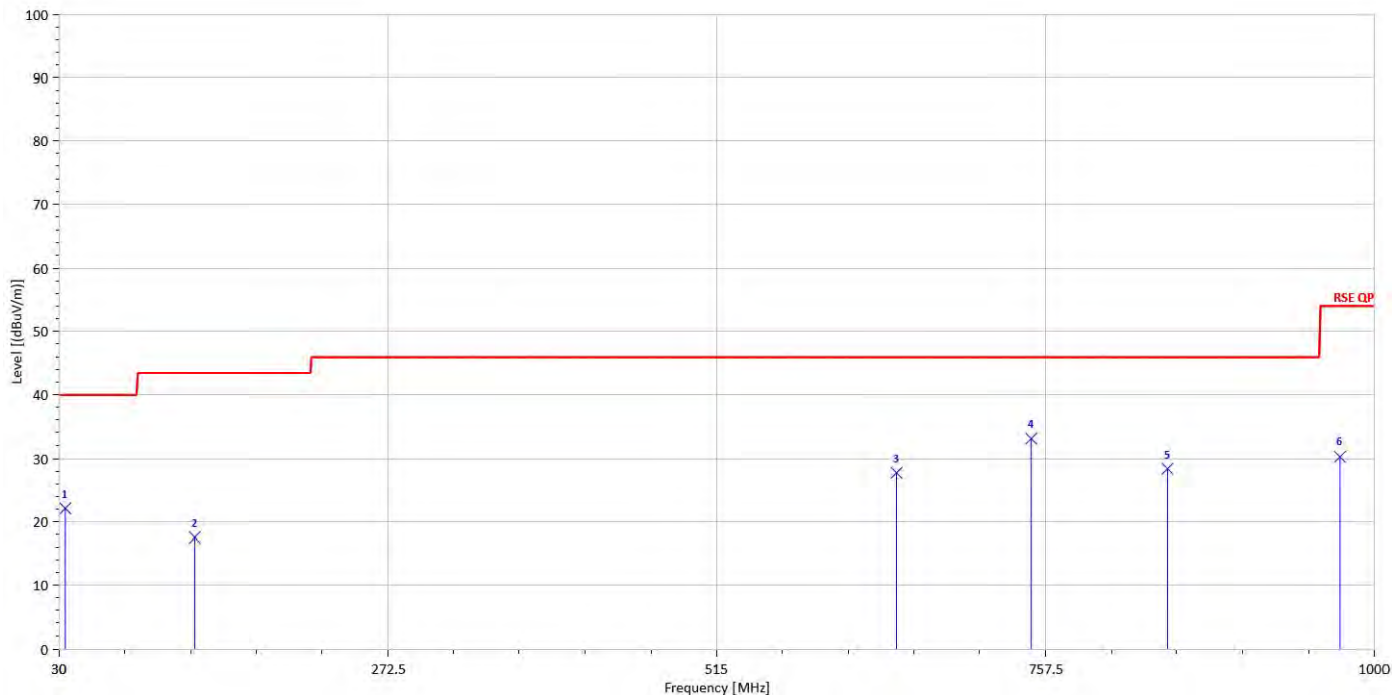
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 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
34.85	S	Peak	31.88	-9.78	22.10	40	-17.90
129.91	S	Peak	33.18	-15.67	17.52	43.5	-25.98
647.89	S	Peak	32.78	-5.02	27.76	46	-18.24
746.83	S	Peak	37.28	-4.23	33.05	46	-12.95
847.71	S	Peak	31.46	-3.06	28.40	46	-17.60
974.78	S	Peak	31.65	-1.34	30.31	54	-23.69

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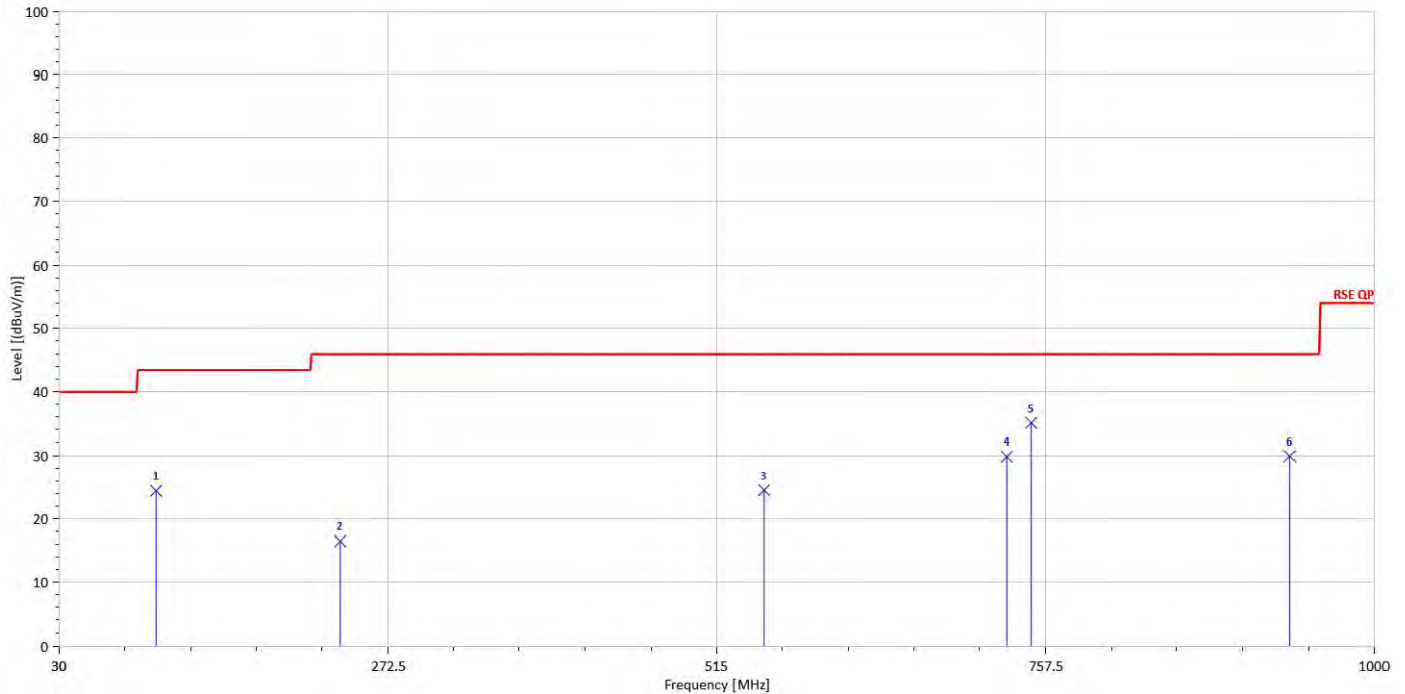
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBμV	Factor dB	Actual FS dBμV/m	Limit @3m dBμV/m	Margin dB
101.78	S	Peak	41.95	-17.52	24.43	43.5	-19.07
237.58	S	Peak	32.03	-15.53	16.50	46	-29.50
549.92	S	Peak	31.59	-7.07	24.52	46	-21.48
729.37	S	Peak	34.47	-4.64	29.83	46	-16.17
746.83	S	Peak	39.32	-4.23	35.09	46	-10.91
937.92	S	Peak	31.65	-1.71	29.94	46	-16.06

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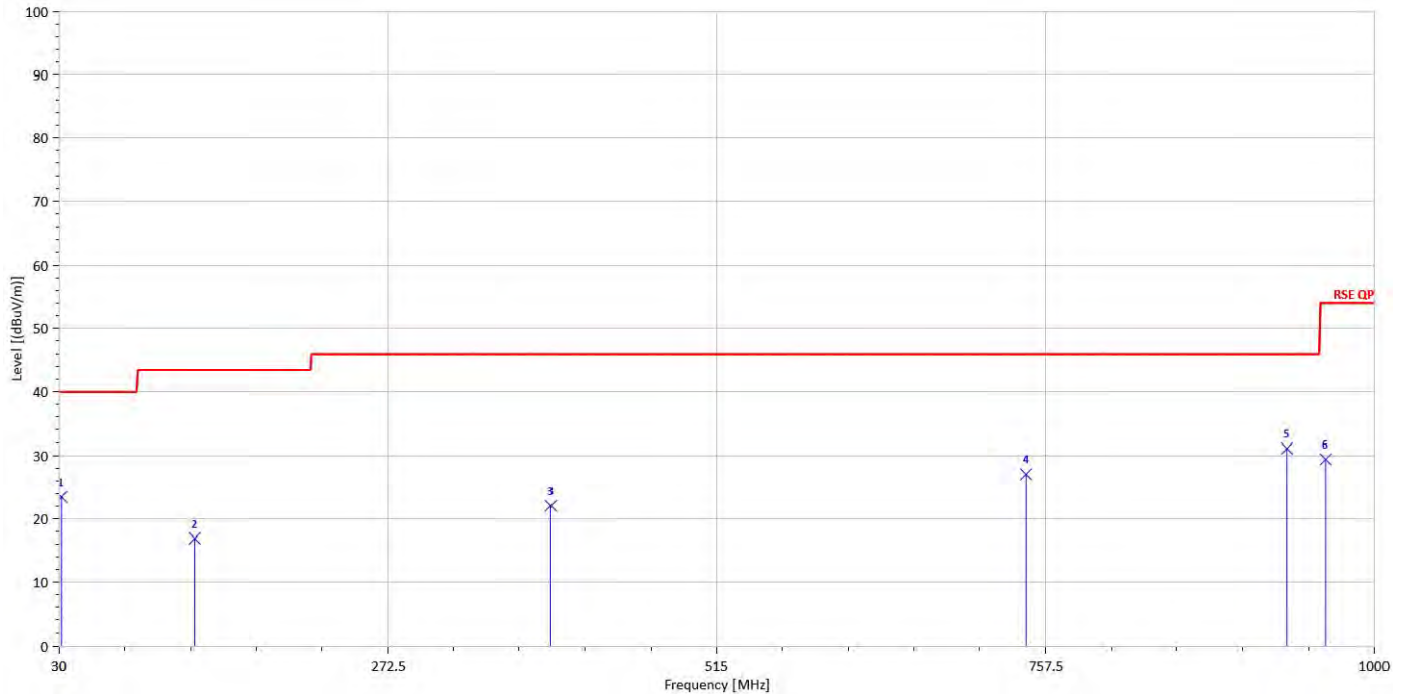
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Operation Mode : 802.11g Test Date : 2017/8/29
Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : TX CH 13 Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
31.94	S	Peak	31.67	-8.22	23.45	40	-16.55
129.91	S	Peak	32.59	-15.67	16.92	43.5	-26.58
392.78	S	Peak	31.96	-9.91	22.05	46	-23.95
742.95	S	Peak	31.27	-4.24	27.03	46	-18.97
935.98	S	Peak	32.76	-1.66	31.10	46	-14.90
964.11	S	Peak	31.41	-2.02	29.39	54	-24.61

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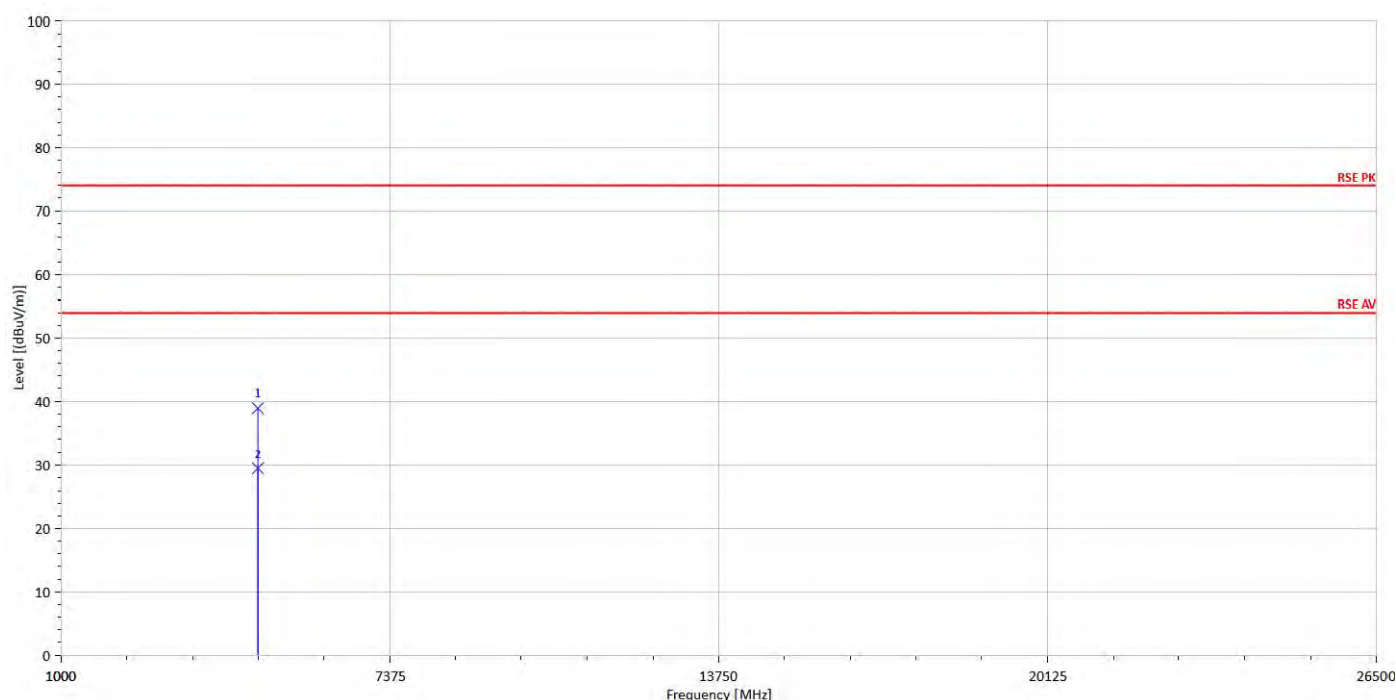
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Above 1GHz Data:

Radiated Spurious Emission Measurement Result (802.11 b)

Operation Mode :	802.11b	Test Date :	2017/8/29
Fundamental Frequency :	2412 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	H	Peak	31.42	7.58	39.00	74	-35.00
4824.00	H	Average	21.87	7.58	29.45	54	-24.55

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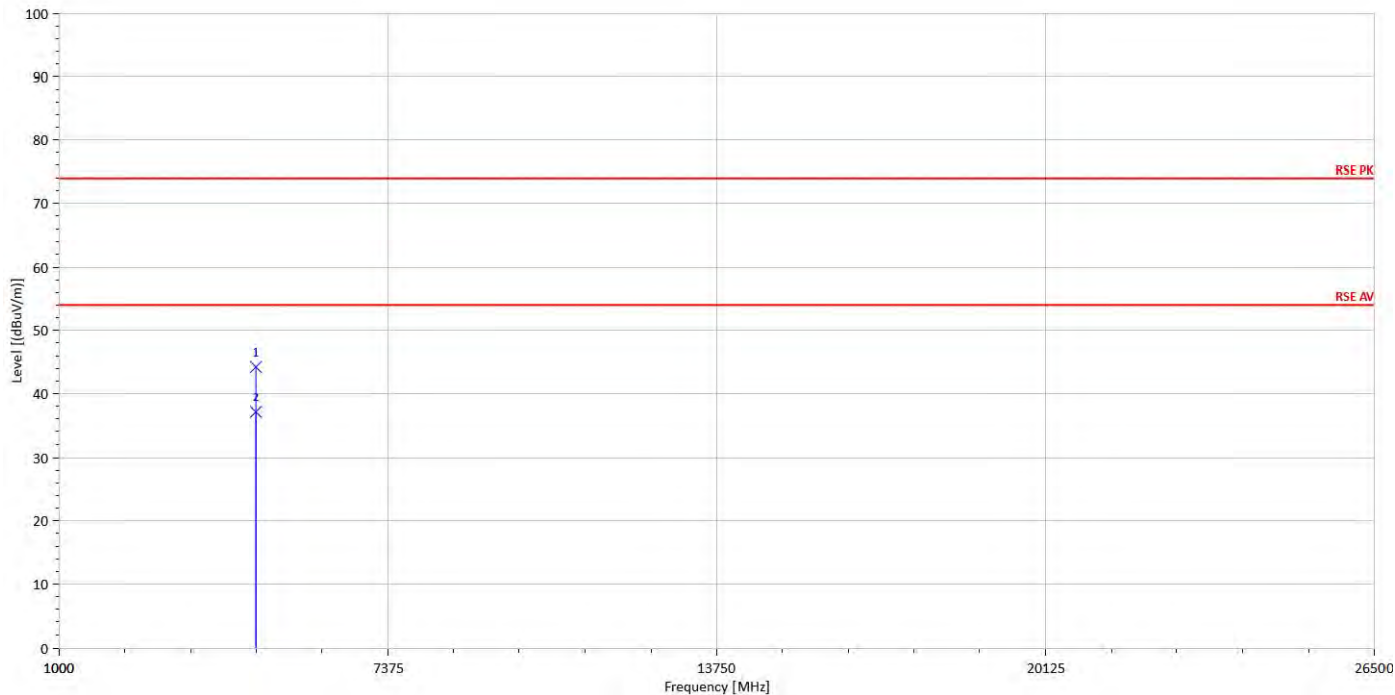
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Operation Mode : 802.11b Test Date : 2017/8/29
 Fundamental Frequency : 2412 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	H	Peak	36.71	7.59	44.30	74	-29.70
4824.00	H	Average	29.57	7.58	37.15	54	-16.85

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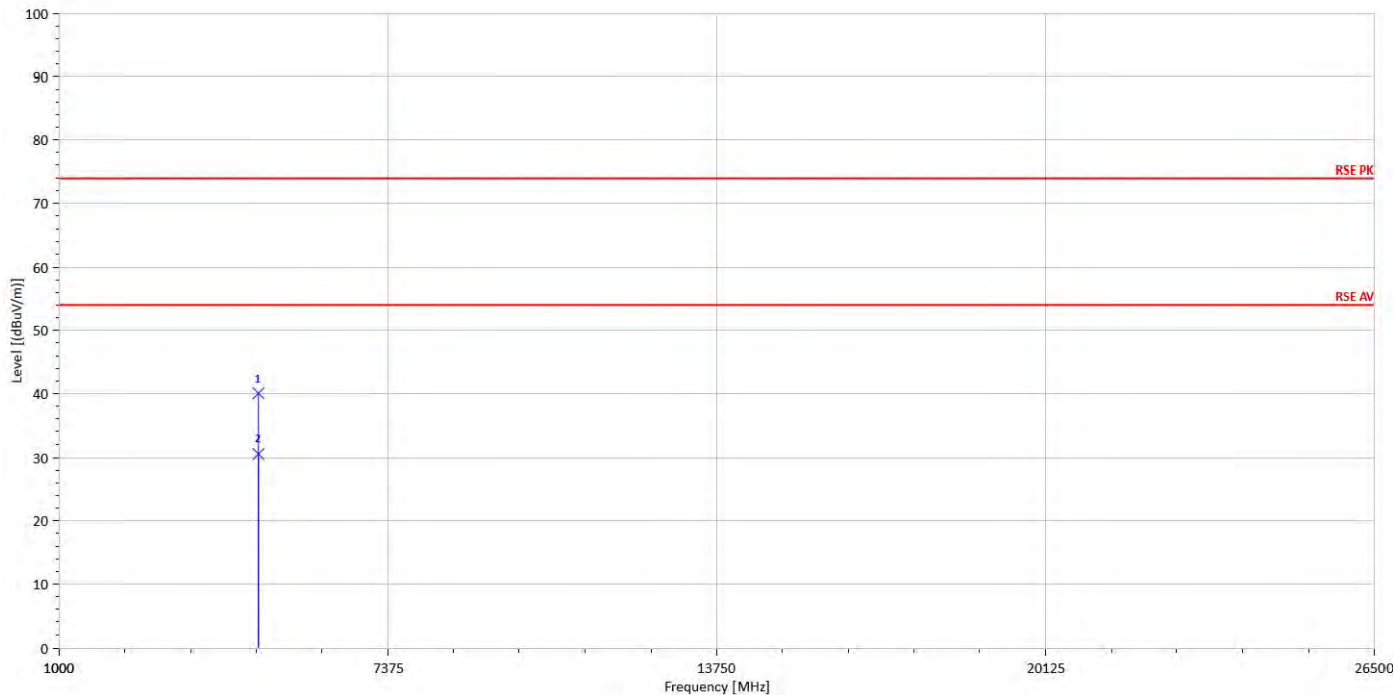
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Operation Mode : 802.11b Test Date : 2017/8/29
 Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	H	Peak	32.20	7.91	40.11	74	-33.89
4874.00	H	Average	22.69	7.91	30.60	54	-23.40

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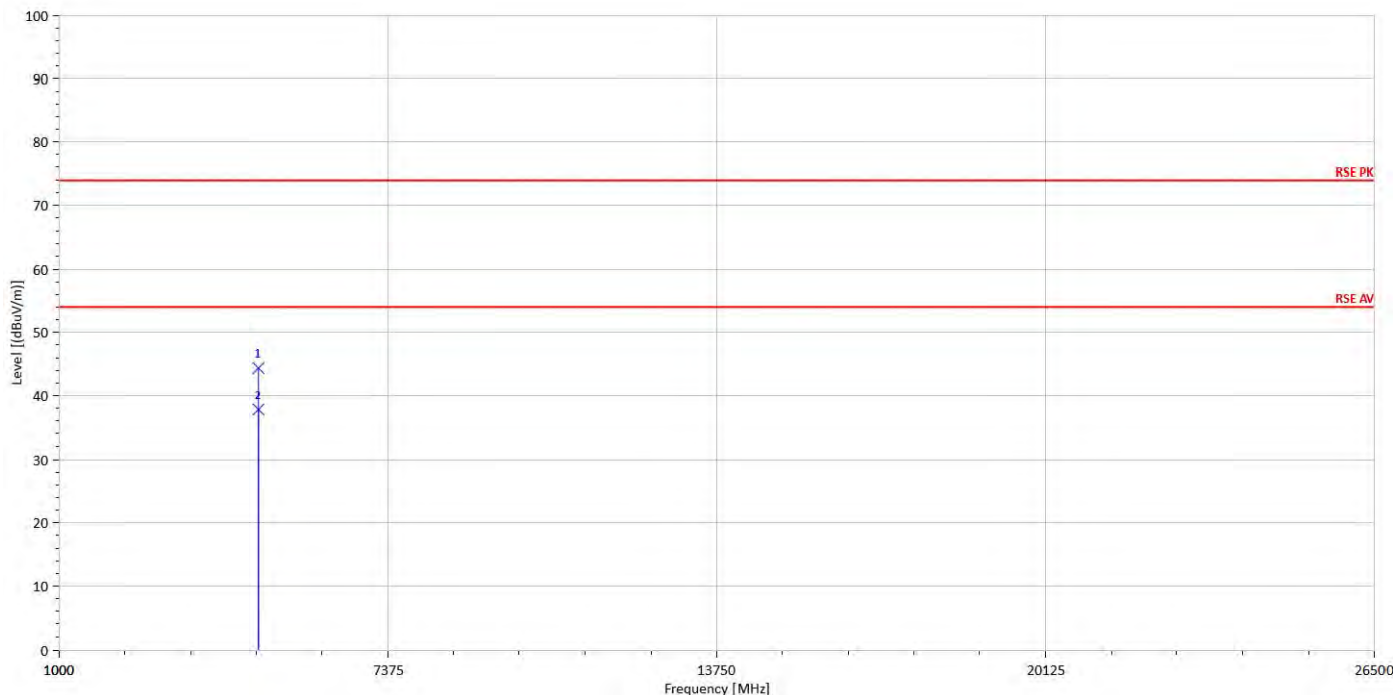
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Operation Mode : 802.11b Test Date : 2017/8/29
 Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4874.00	H	Peak	36.58	7.86	44.43	74	-29.57
4874.00	H	Average	29.94	7.91	37.85	54	-16.15

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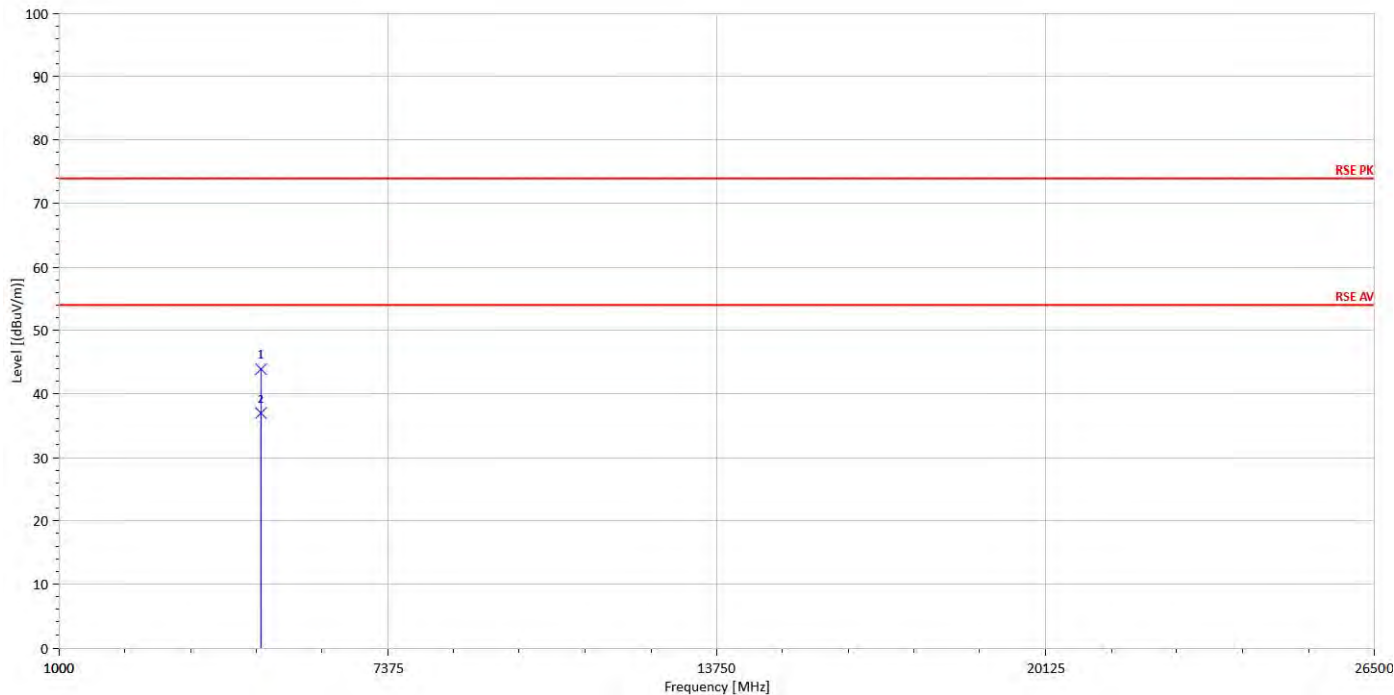
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Operation Mode : 802.11b Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	H	Peak	35.96	8.00	43.96	74	-30.04
4924.00	H	Average	29.04	7.92	36.96	54	-17.04

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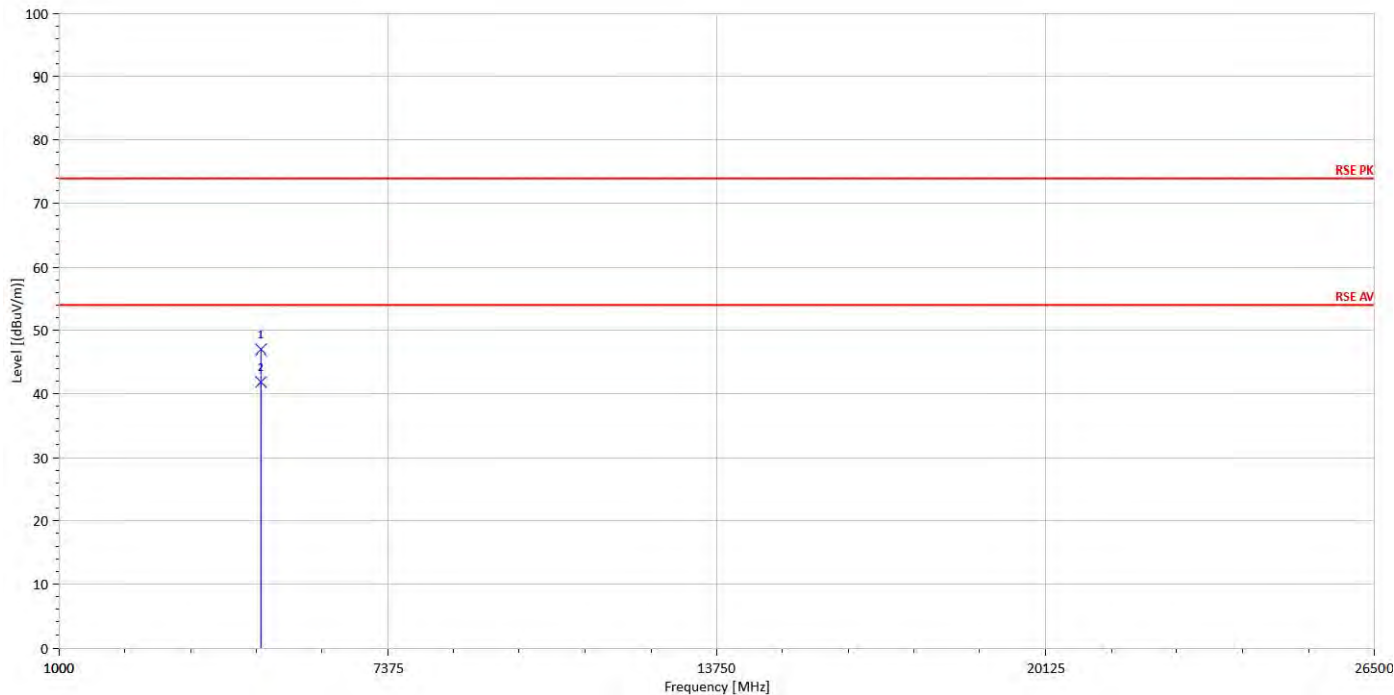
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Operation Mode :	802.11b	Test Date :	2017/8/29
Fundamental Frequency :	2462 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH High	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4924.00	H	Peak	38.96	8.00	46.96	74	-27.04
4924.00	H	Average	33.98	7.92	41.90	54	-12.10

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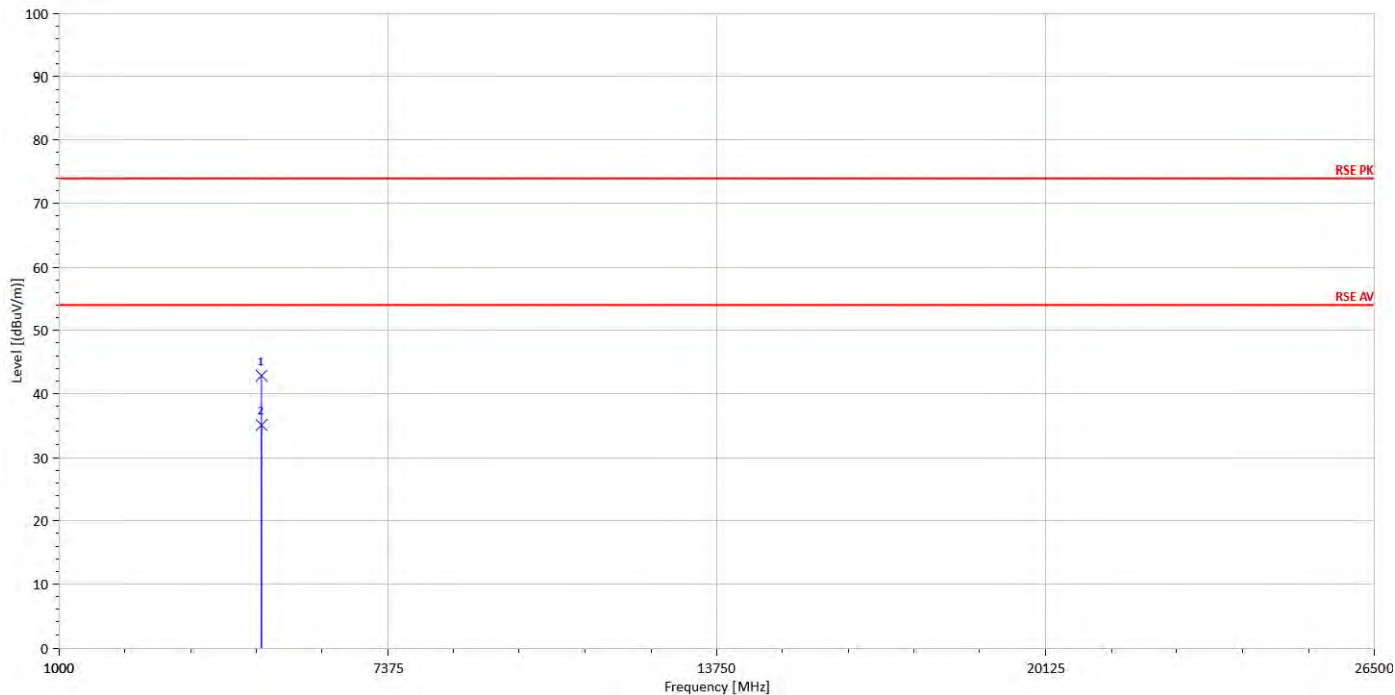
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Operation Mode : 802.11b Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4934.00	H	Peak	34.98	7.93	42.91	74	-31.09
4934.00	H	Average	27.11	7.93	35.04	54	-18.96

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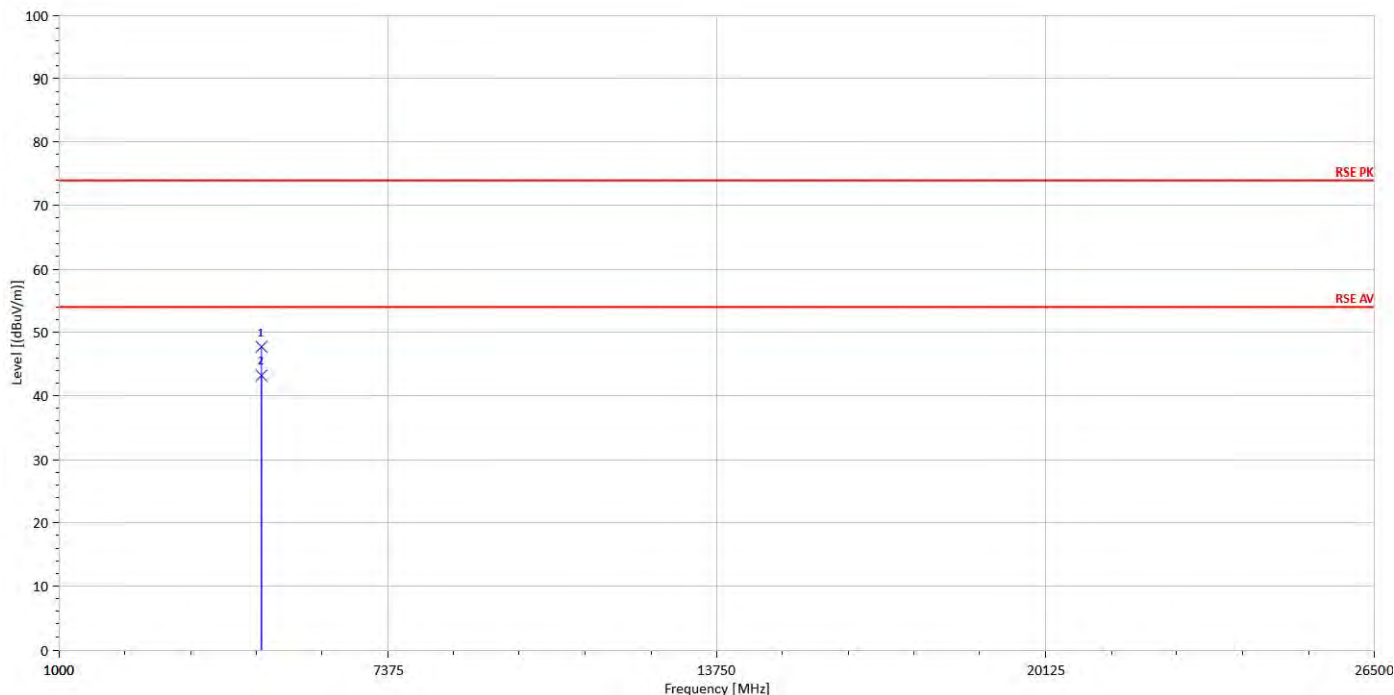
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Operation Mode : 802.11b Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4934.00	H	Peak	39.75	7.93	47.68	74	-26.32
4934.00	H	Average	35.33	7.93	43.26	54	-10.74

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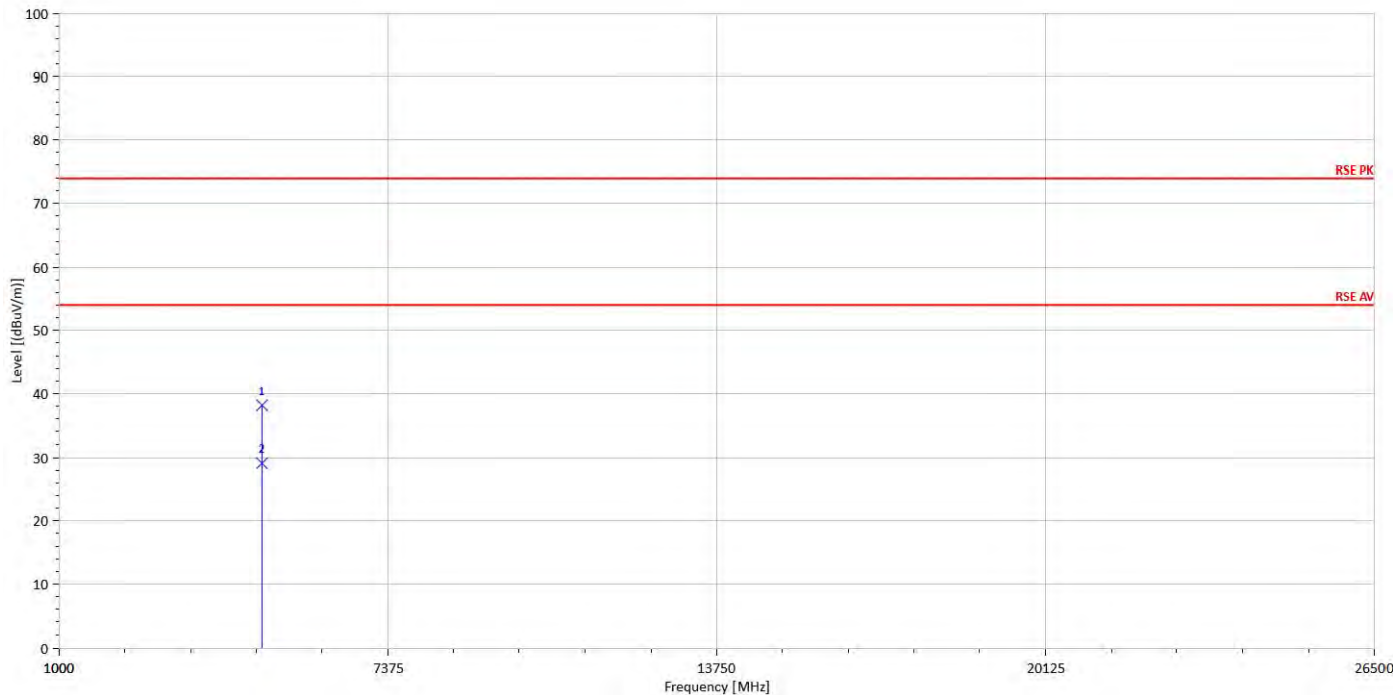
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 Operation Band : TX CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4944.00	H	Peak	30.36	7.83	38.20	74	-35.80
4944.00	H	Average	21.28	7.83	29.11	54	-24.89

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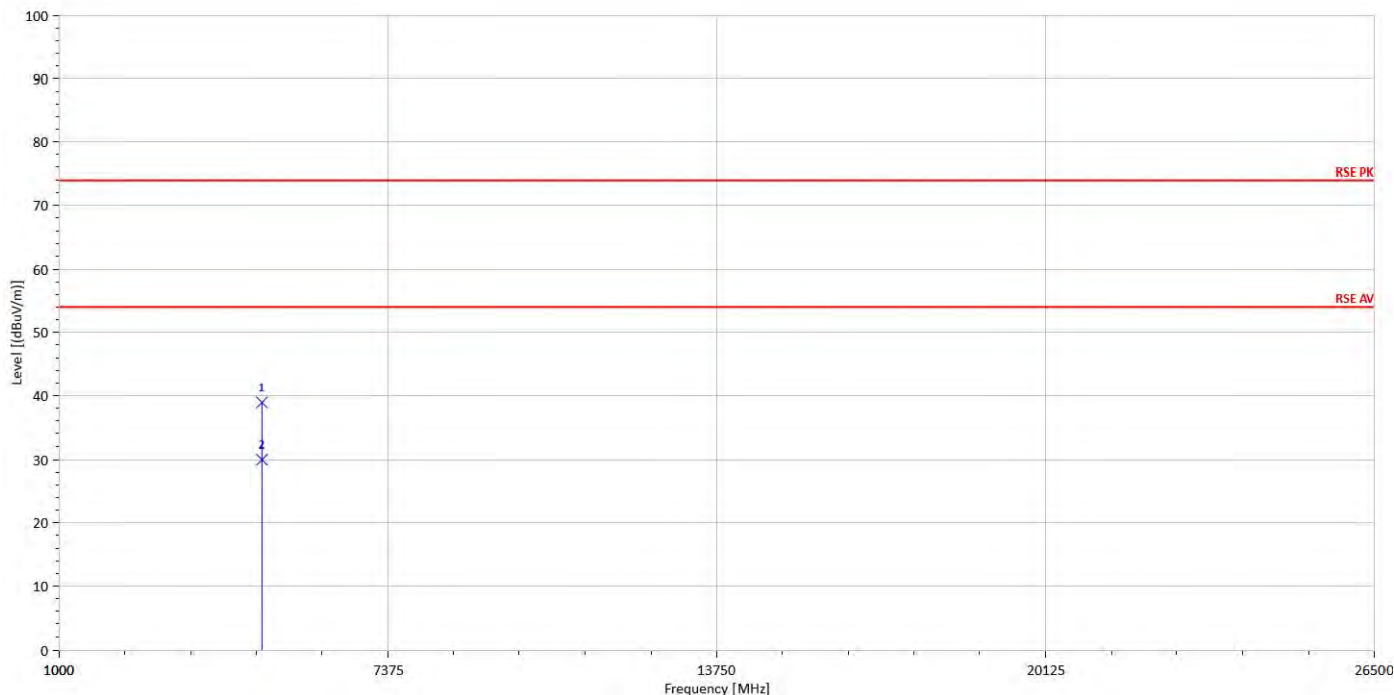
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 Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector	Spectrum	Factor	Actual	Limit	Margin
MHz	F/H/E/S	Mode	Reading Level		FS	@3m	
		PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4944.00	H	Peak	31.14	7.83	38.98	74	-35.02
4944.00	H	Average	22.17	7.83	30.00	54	-24.00

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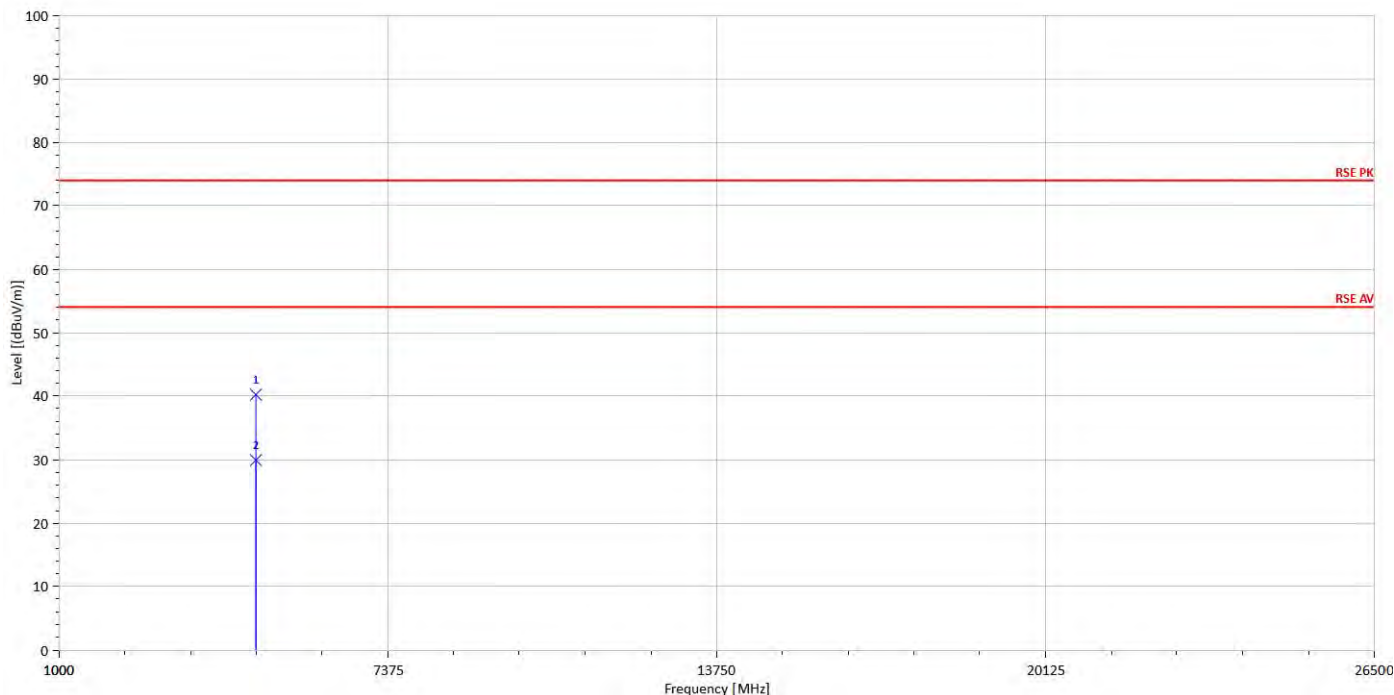
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Radiated Spurious Emission Measurement Result (802.11 g)

Operation Mode :	802.11g	Test Date :	2017/8/29
Fundamental Frequency :	2412 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	H	Peak	32.64	7.58	40.22	74	-33.78
4824.00	H	Average	22.37	7.58	29.95	54	-24.05

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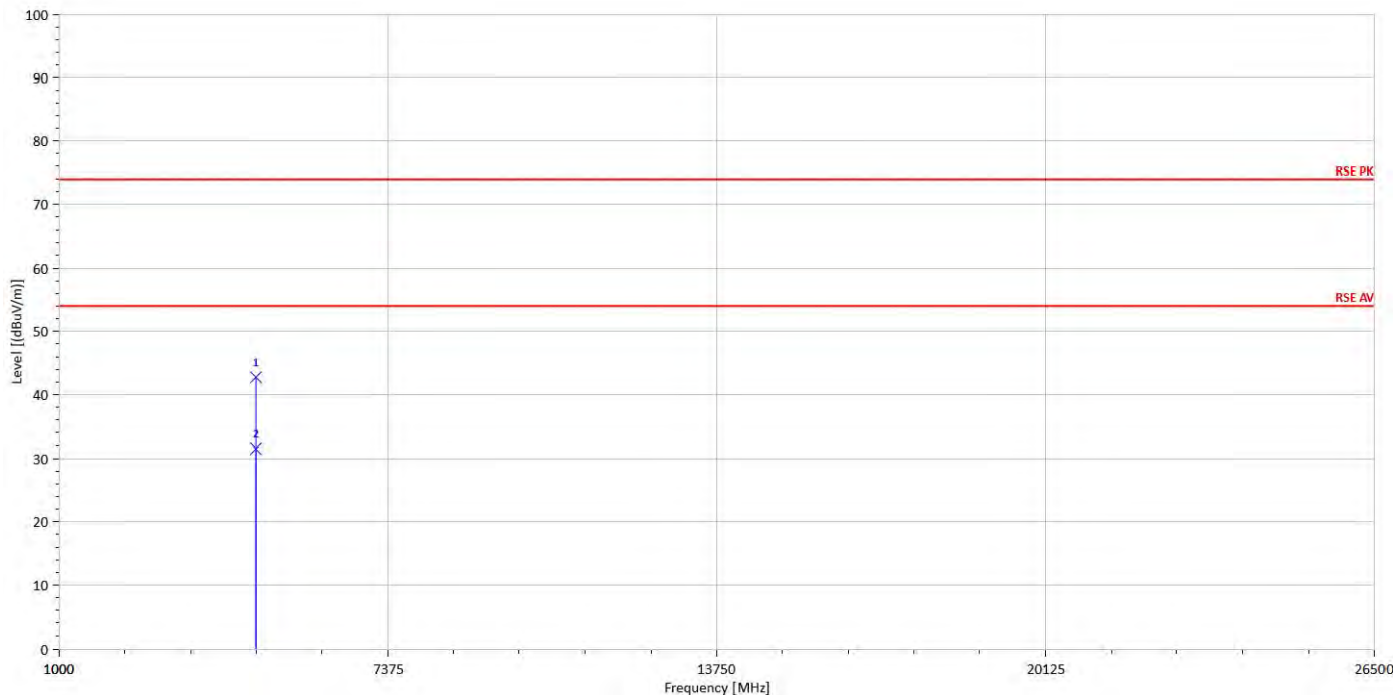
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2412 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	H	Peak	35.19	7.63	42.82	74	-31.18
4824.00	H	Average	23.93	7.58	31.51	54	-22.49

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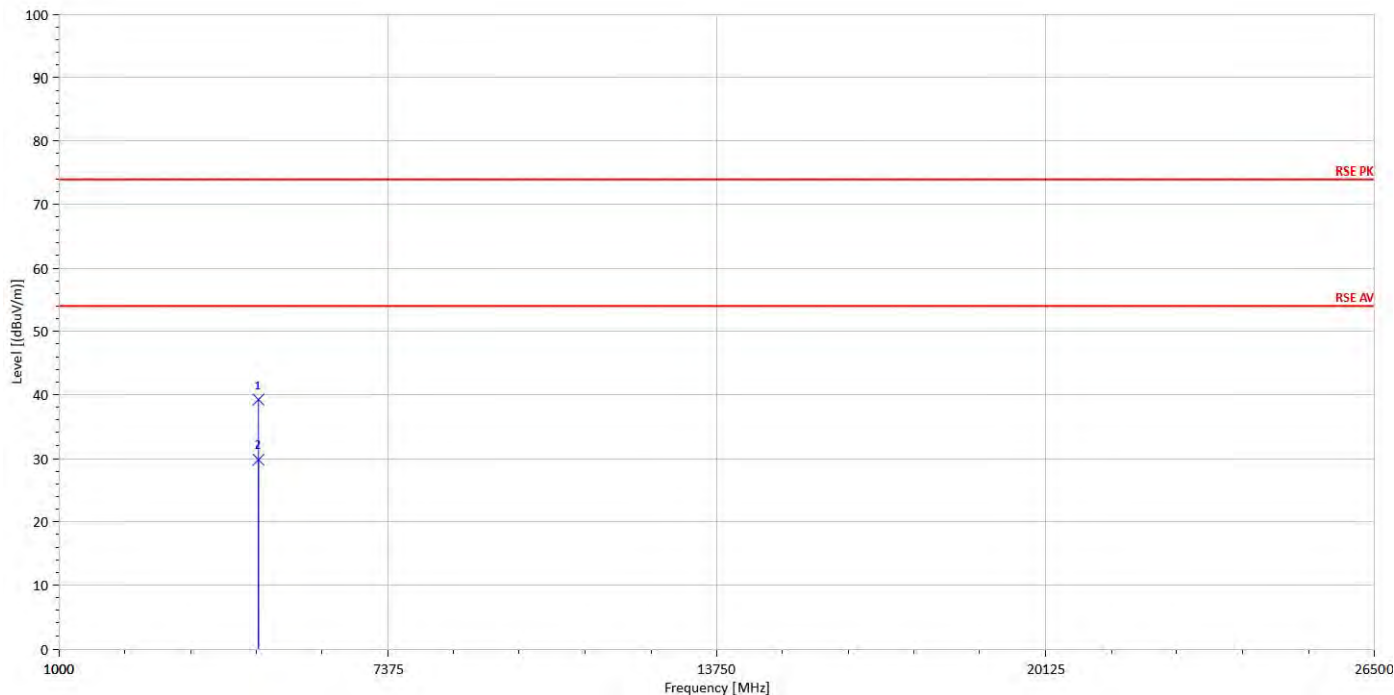
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	H	Peak	31.36	7.91	39.27	74	-34.73
4874.00	H	Average	21.94	7.91	29.85	54	-24.15

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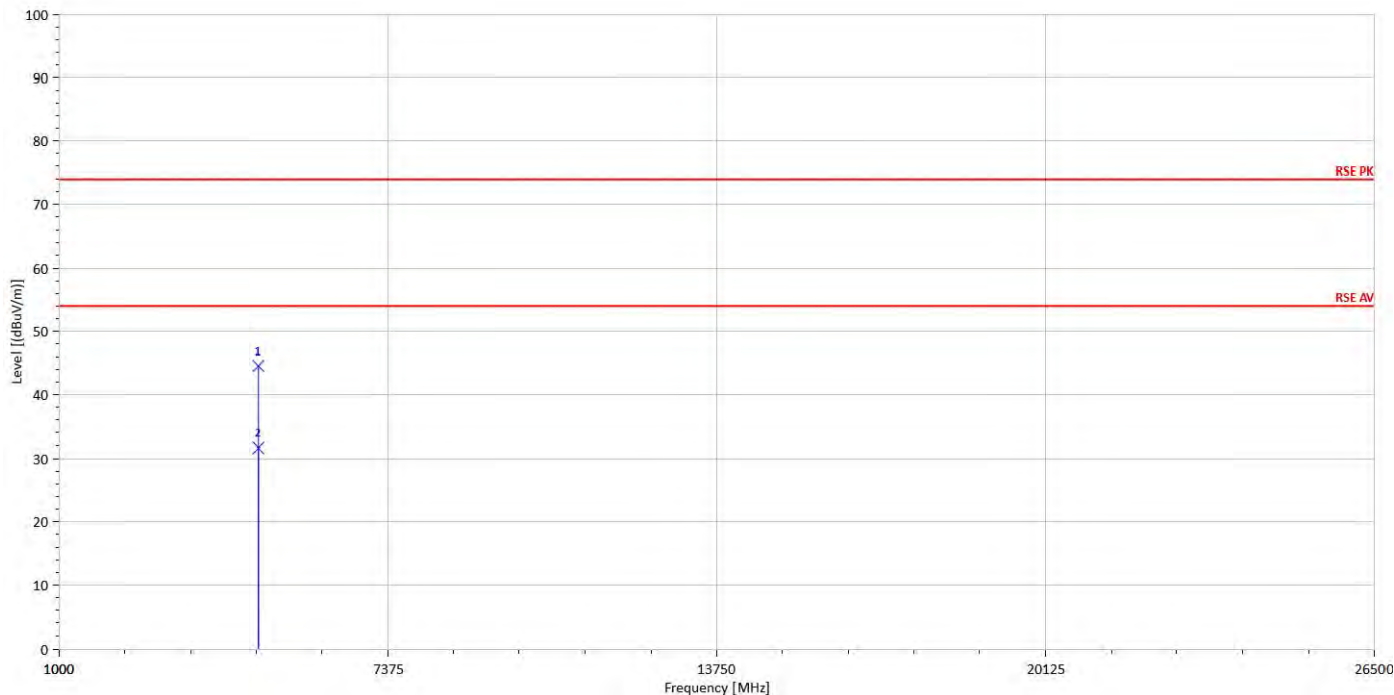
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	H	Peak	36.74	7.86	44.59	74	-29.41
4874.00	H	Average	23.73	7.91	31.64	54	-22.36

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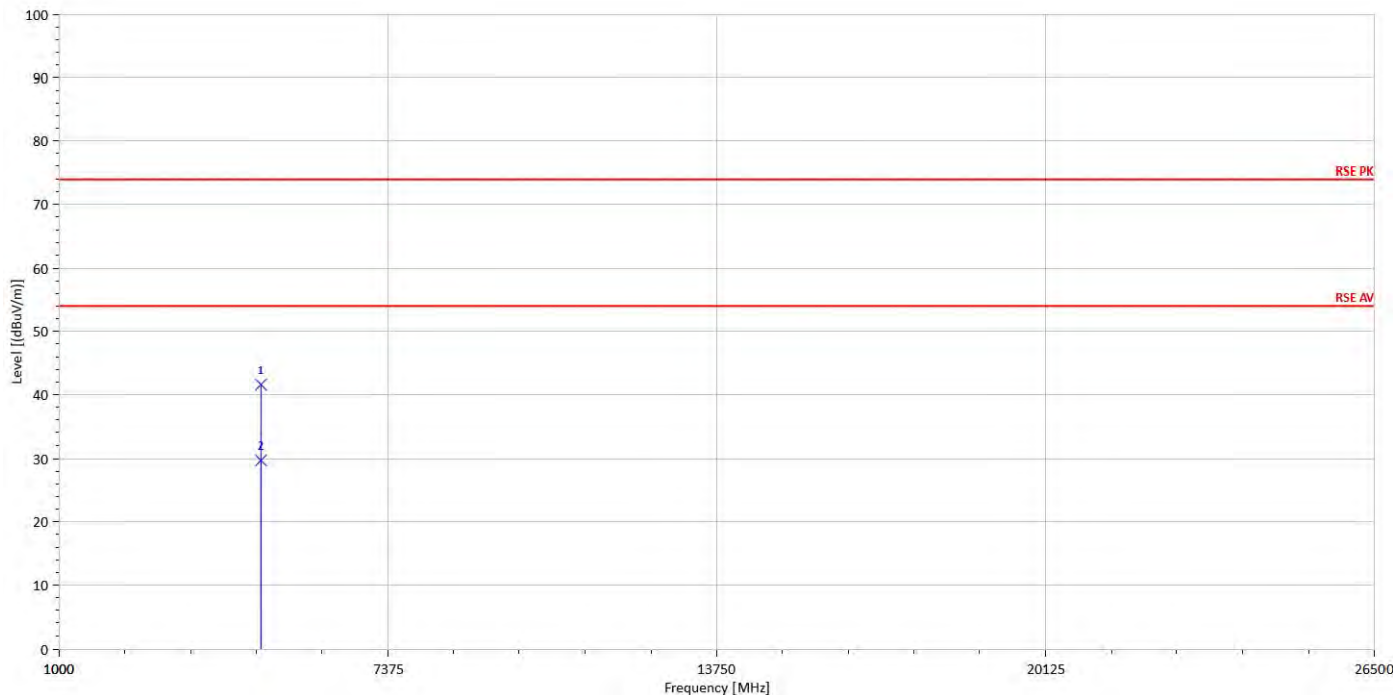
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	H	Peak	33.64	8.00	41.64	74	-32.36
4924.00	H	Average	21.81	7.92	29.73	54	-24.27

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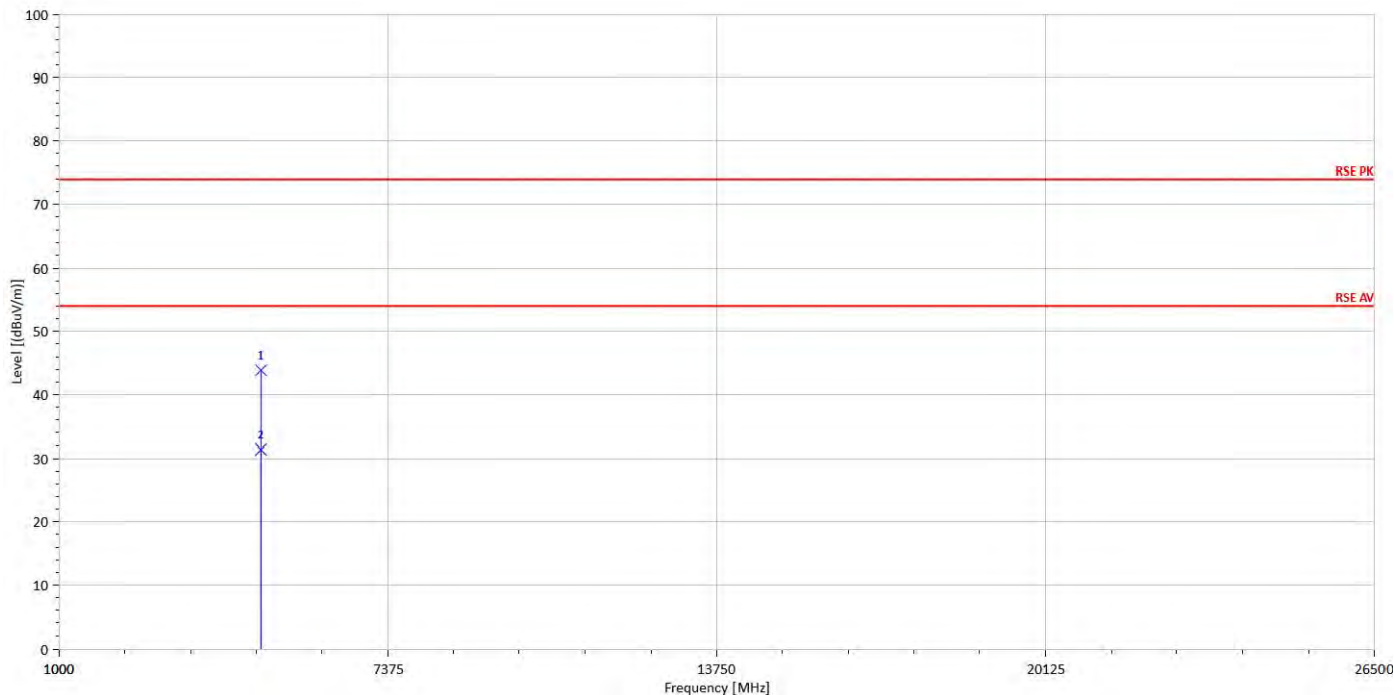
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	H	Peak	35.94	8.00	43.94	74	-30.06
4924.00	H	Average	23.47	7.92	31.39	54	-22.61

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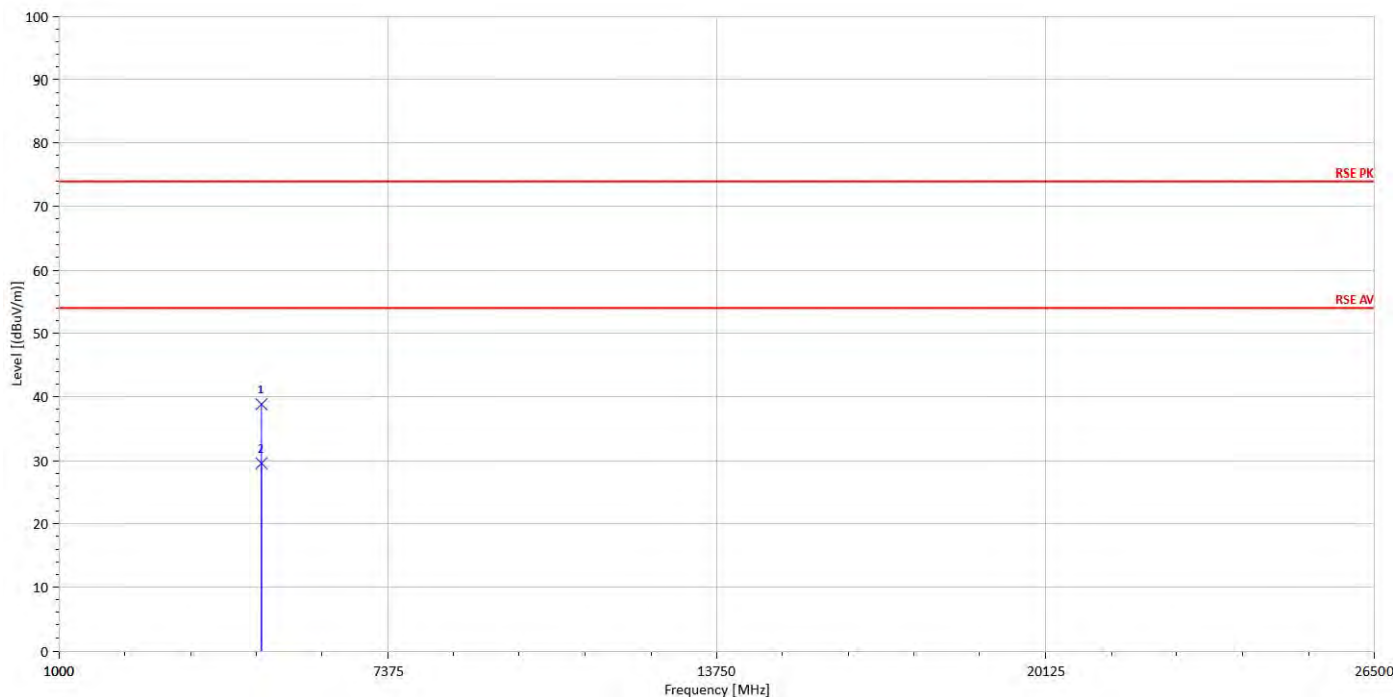
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4934.00	H	Peak	30.91	7.93	38.85	74	-35.15
4934.00	H	Average	21.66	7.93	29.59	54	-24.41

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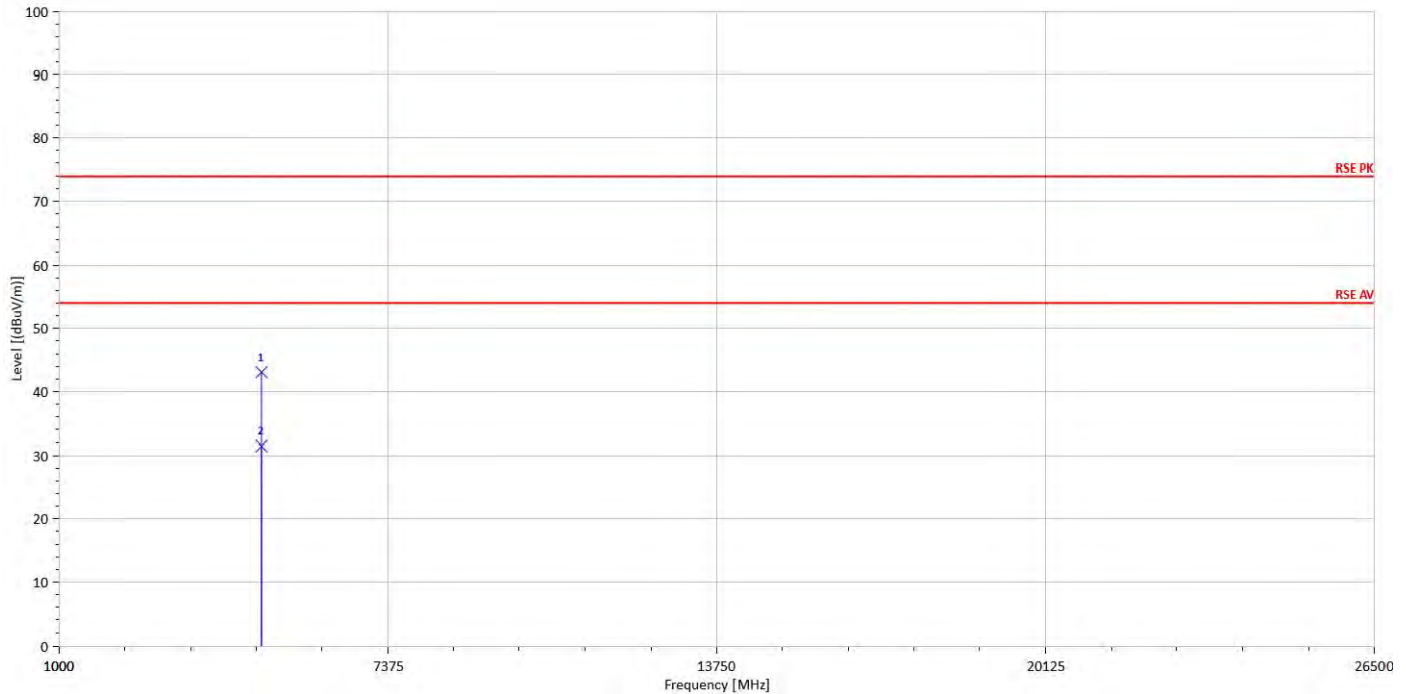
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Operation Mode : 802.11g Test Date : 2017/8/29
Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : TX CH 12 Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4934.00	H	Peak	35.14	8.00	43.14	74	-30.86
4934.00	H	Average	23.54	7.93	31.47	54	-22.53

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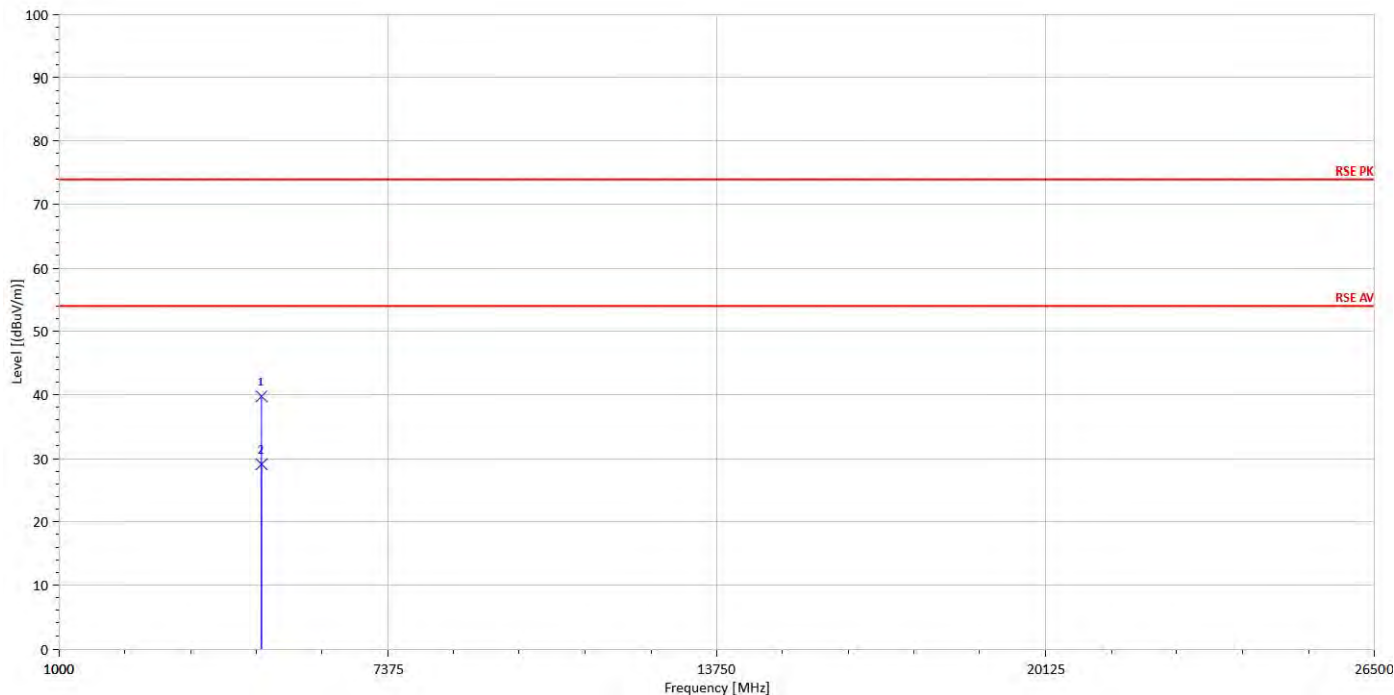
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4934.00	H	Peak	31.84	7.93	39.78	74	-34.22
4934.00	H	Average	21.19	7.93	29.12	54	-24.88

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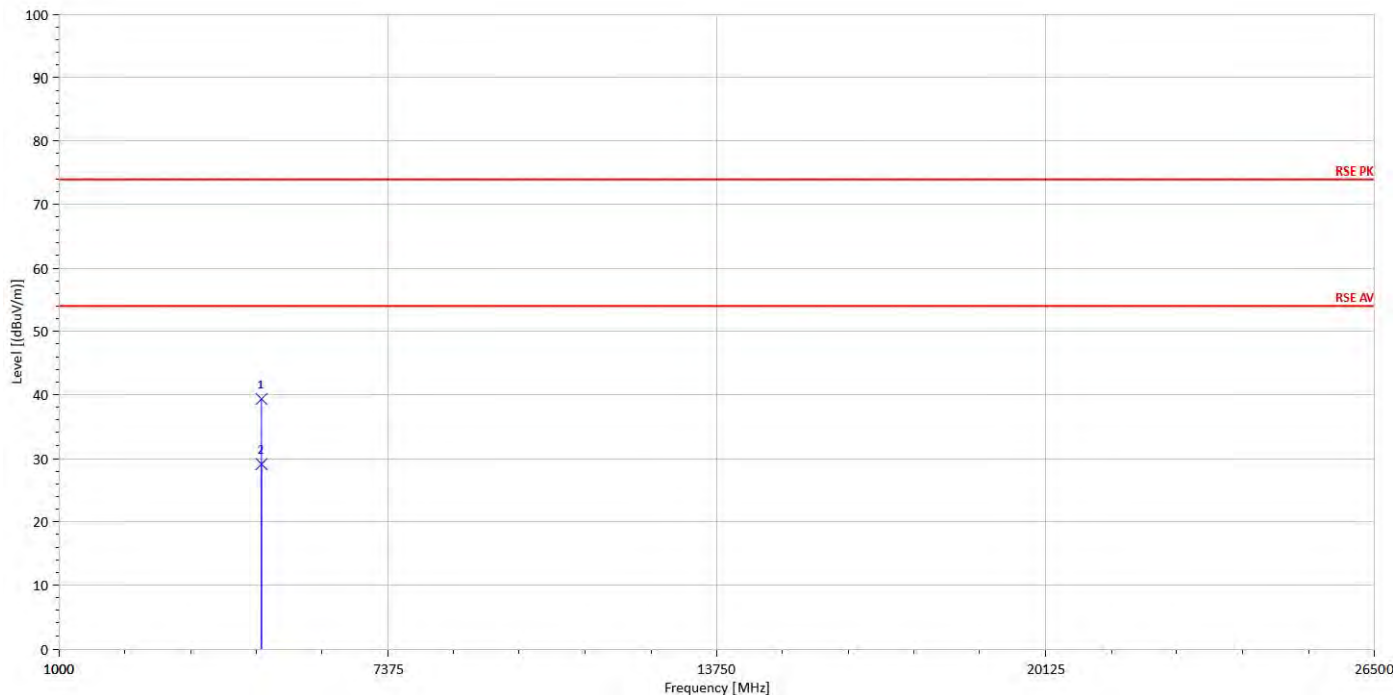
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Operation Mode : 802.11g Test Date : 2017/8/29
 Fundamental Frequency : 2472 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4934.00	H	Peak	31.43	7.93	39.36	74	-34.64
4934.00	H	Average	21.21	7.93	29.14	54	-24.86

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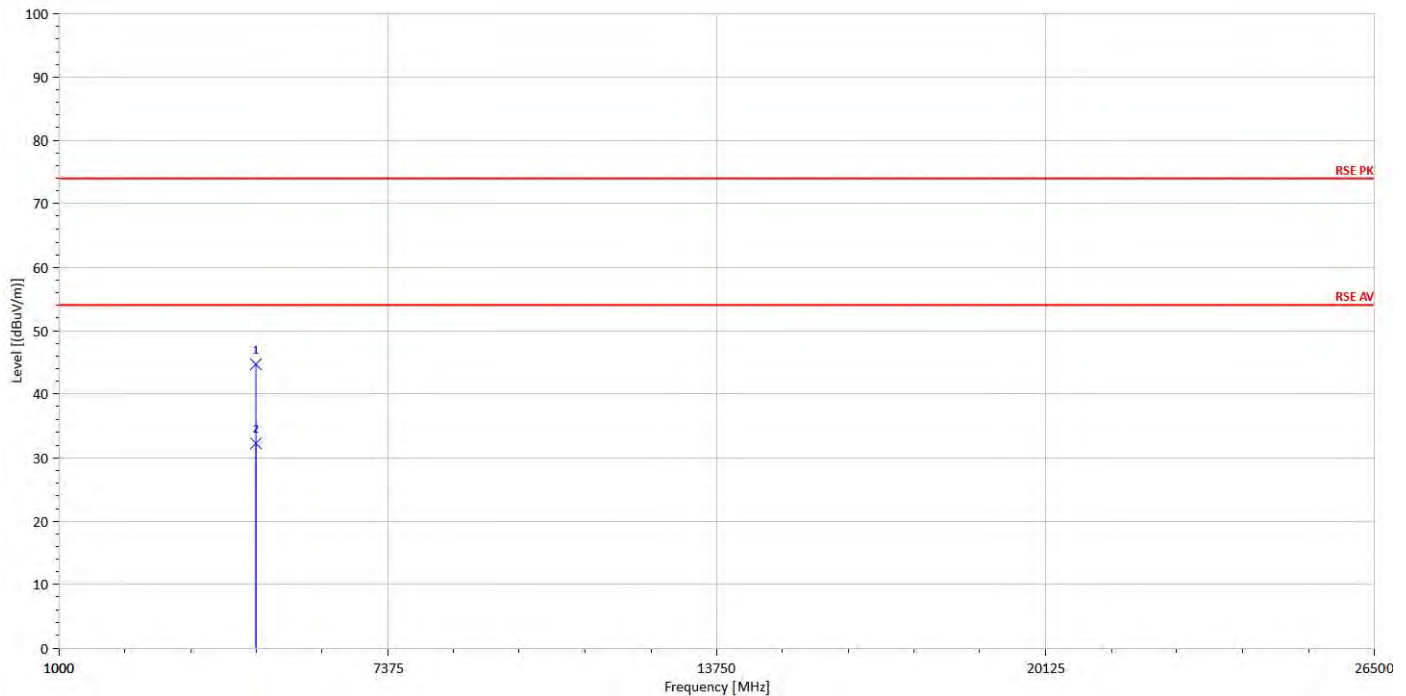
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Radiated Spurious Emission Measurement Result (802.11_HT20)

Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2412 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4824.00	H	Peak	37.17	7.56	44.73	74	-29.27
4824.00	H	Average	24.71	7.58	32.29	54	-21.71

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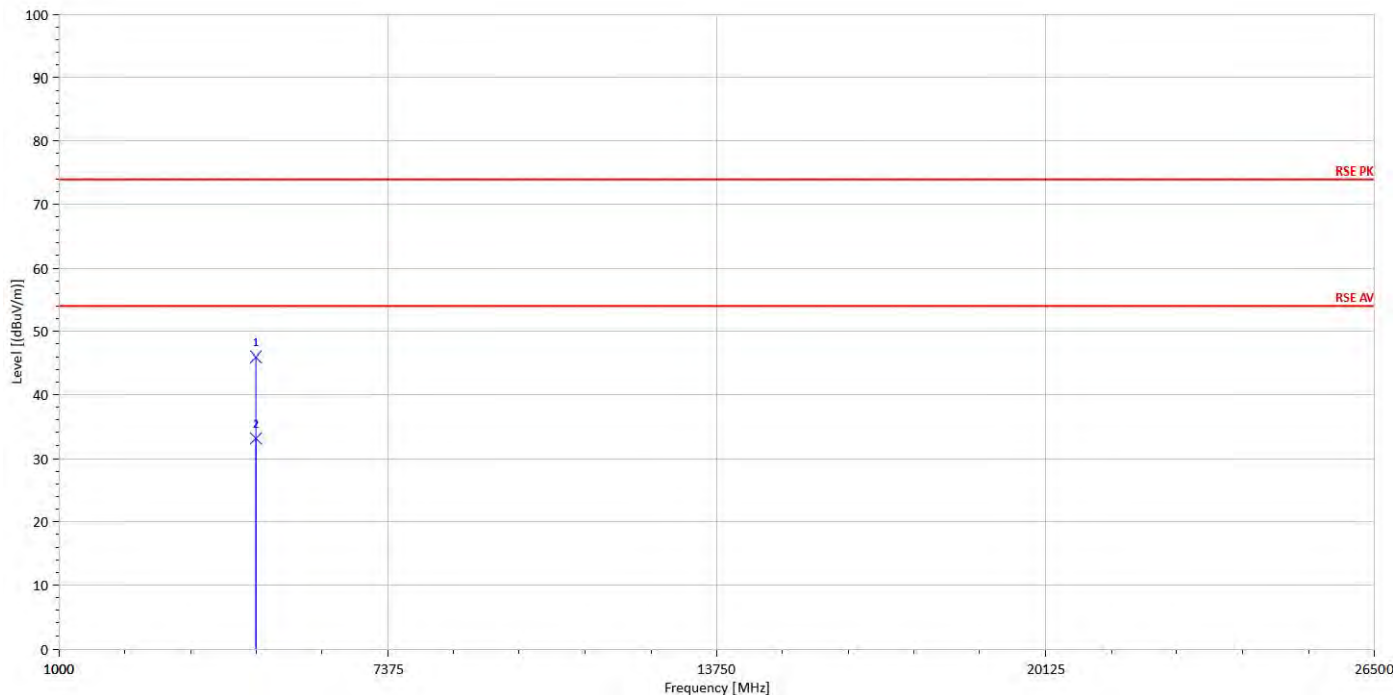
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2412 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4824.00	H	Peak	38.43	7.56	45.99	74	-28.01
4824.00	H	Average	25.51	7.58	33.09	54	-20.91

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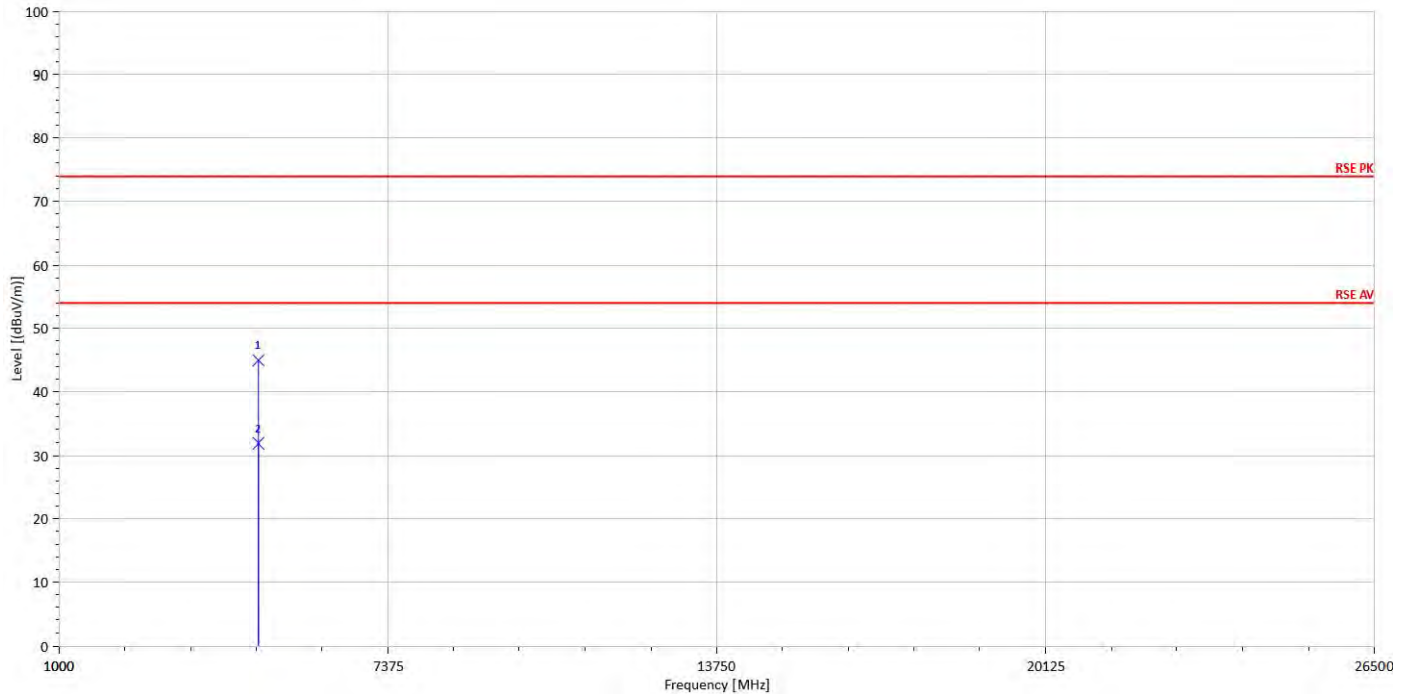
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Operation Mode : 802.11n20 Test Date : 2017/8/29
Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : TX CH Mid Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	H	Peak	37.18	7.87	45.05	74	-28.95
4874.00	H	Average	23.99	7.91	31.90	54	-22.10

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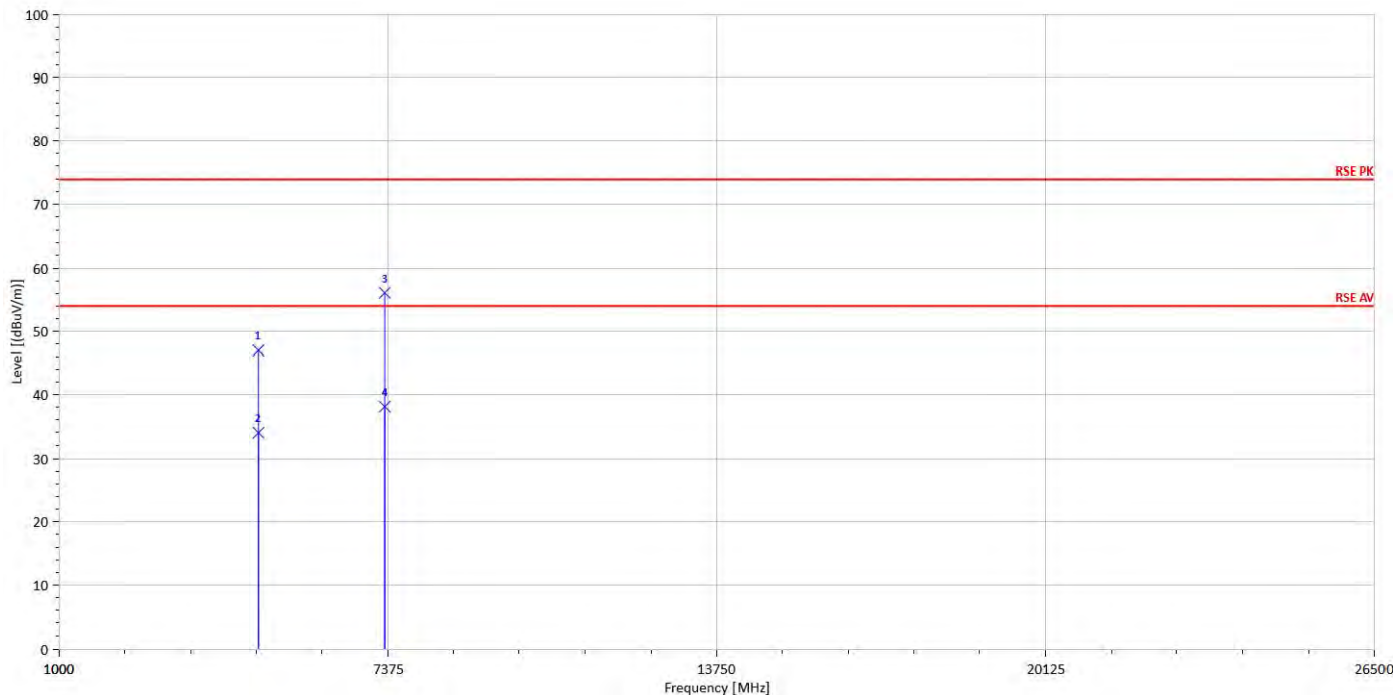
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 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq. MHz	Note F/H/E/S	Detector Mode PK/QP/AV	Spectrum Reading Level dBuV	Factor dB	Actual FS dBuV/m	Limit @3m dBuV/m	Margin dB
4874.00	H	Peak	39.12	7.87	46.99	74	-27.01
4874.00	H	Average	26.08	7.91	33.99	54	-20.01
7311.00	H	Peak	41.75	14.37	56.12	74	-17.88
7311.00	H	Average	23.66	14.47	38.13	54	-15.87

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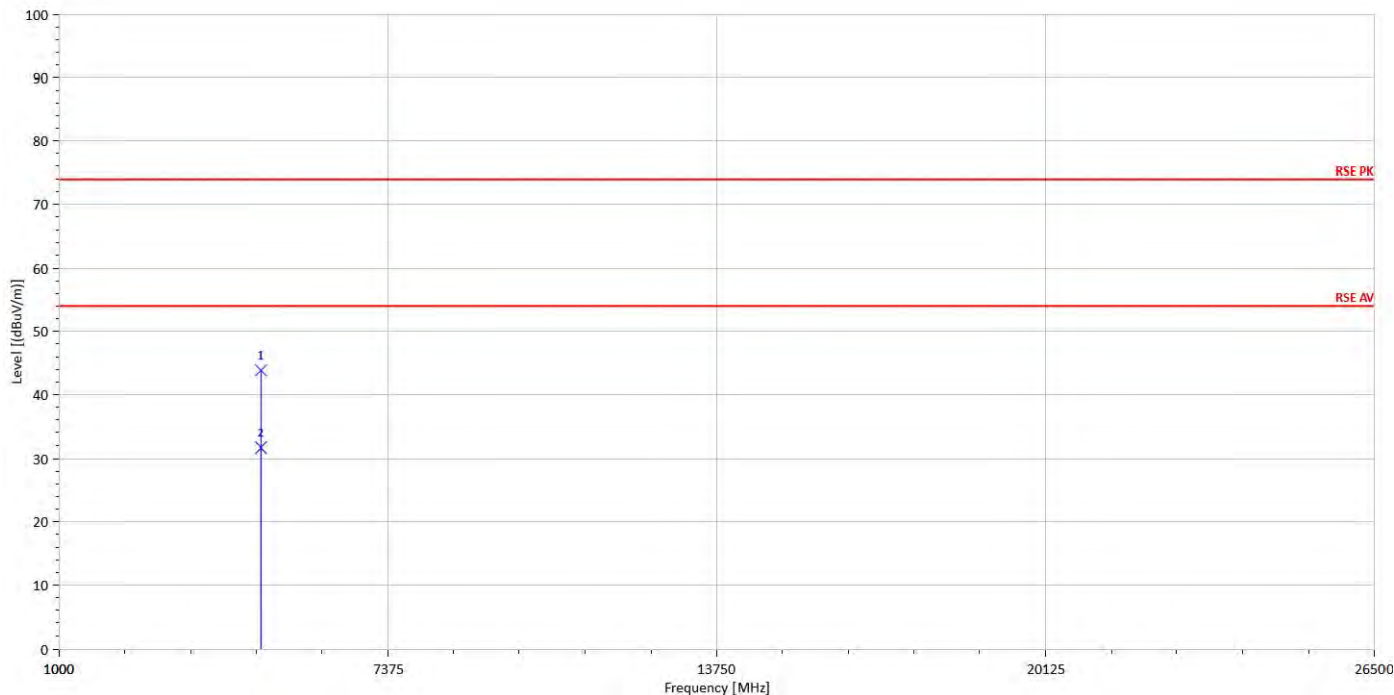
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	H	Peak	35.92	8.00	43.93	74	-30.07
4924.00	H	Average	23.76	7.92	31.68	54	-22.32

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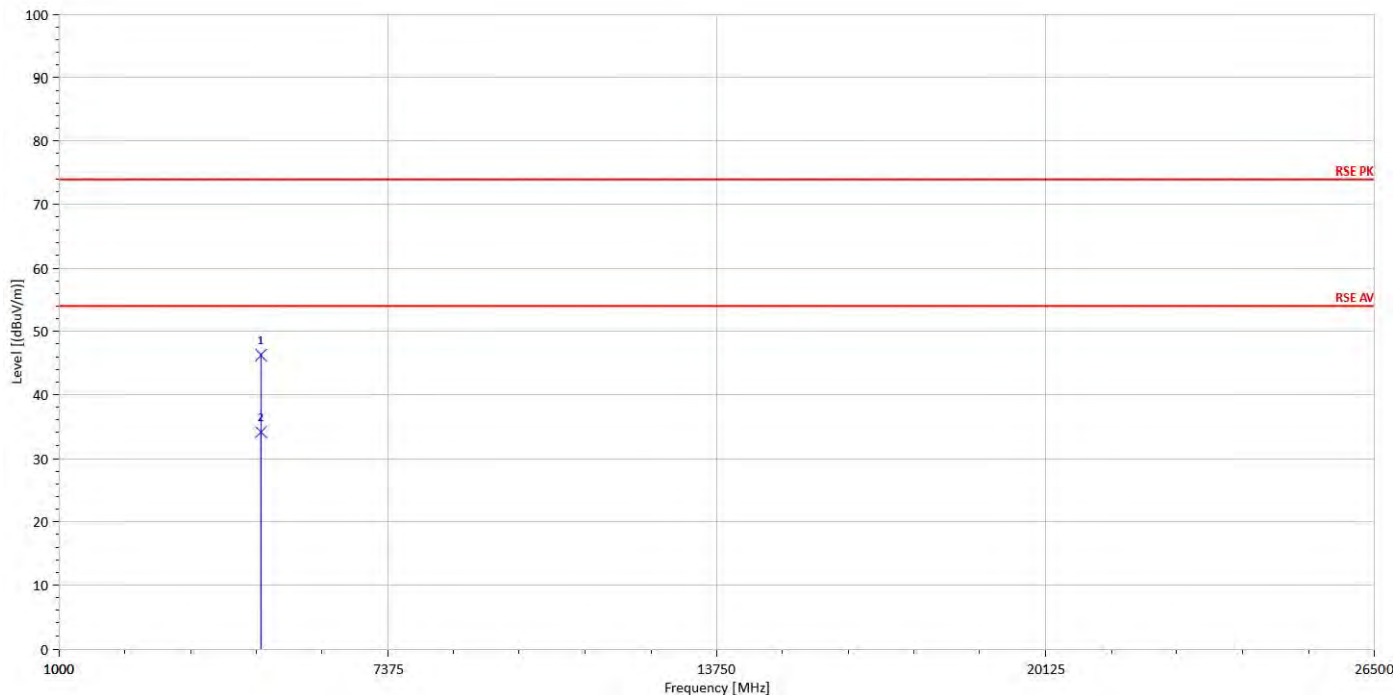
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	H	Peak	38.46	7.81	46.28	74	-27.72
4924.00	H	Average	26.18	7.92	34.10	54	-19.90

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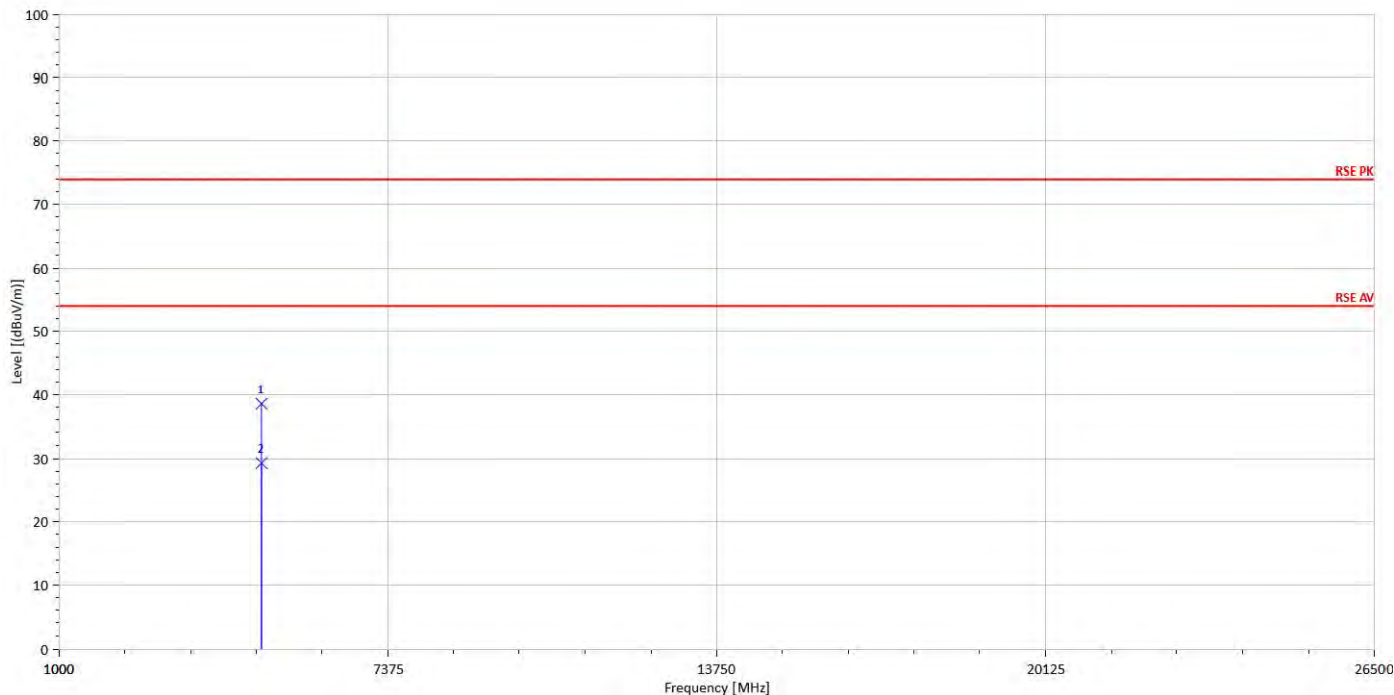
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4934.00	H	Peak	30.68	7.93	38.61	74	-35.39
4934.00	H	Average	21.37	7.93	29.30	54	-24.70

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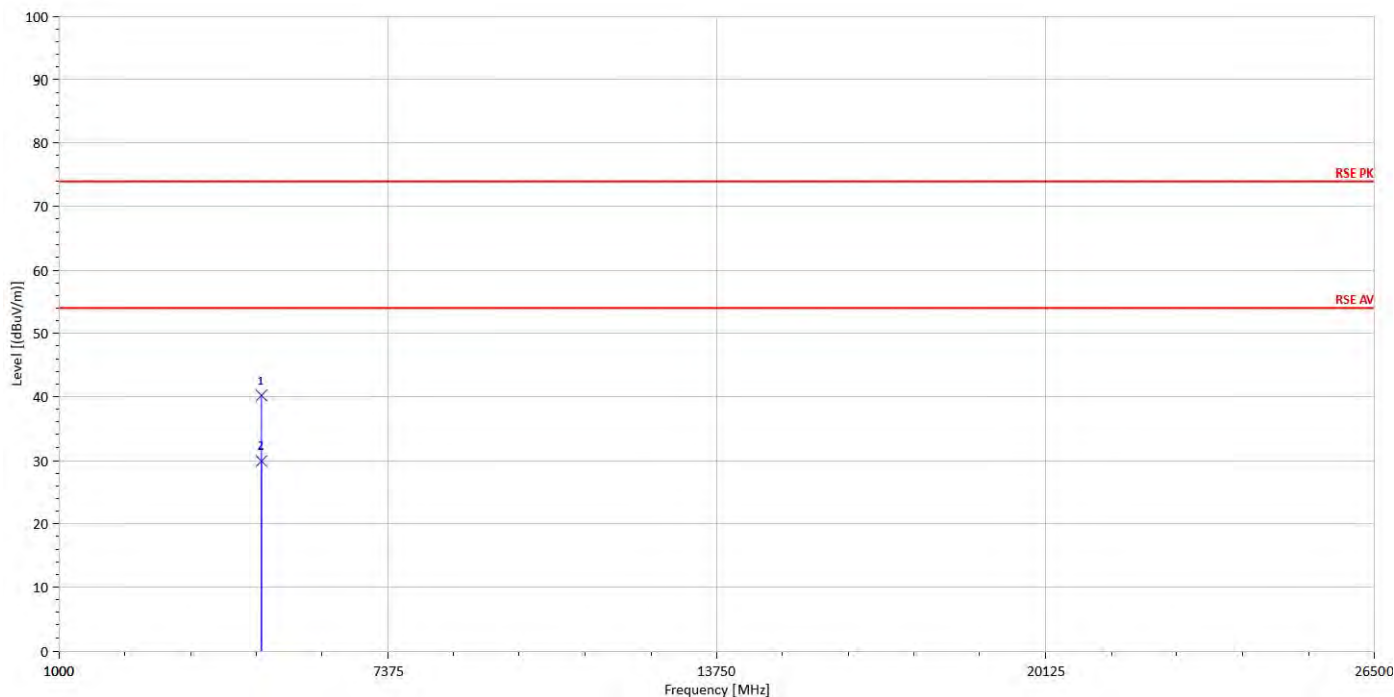
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Operation Mode : 802.11n20 Test Date : 2017/8/29
 Fundamental Frequency : 2467 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 12 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4934.00	H	Peak	32.30	7.93	40.24	74	-33.76
4934.00	H	Average	22.01	7.93	29.94	54	-24.06

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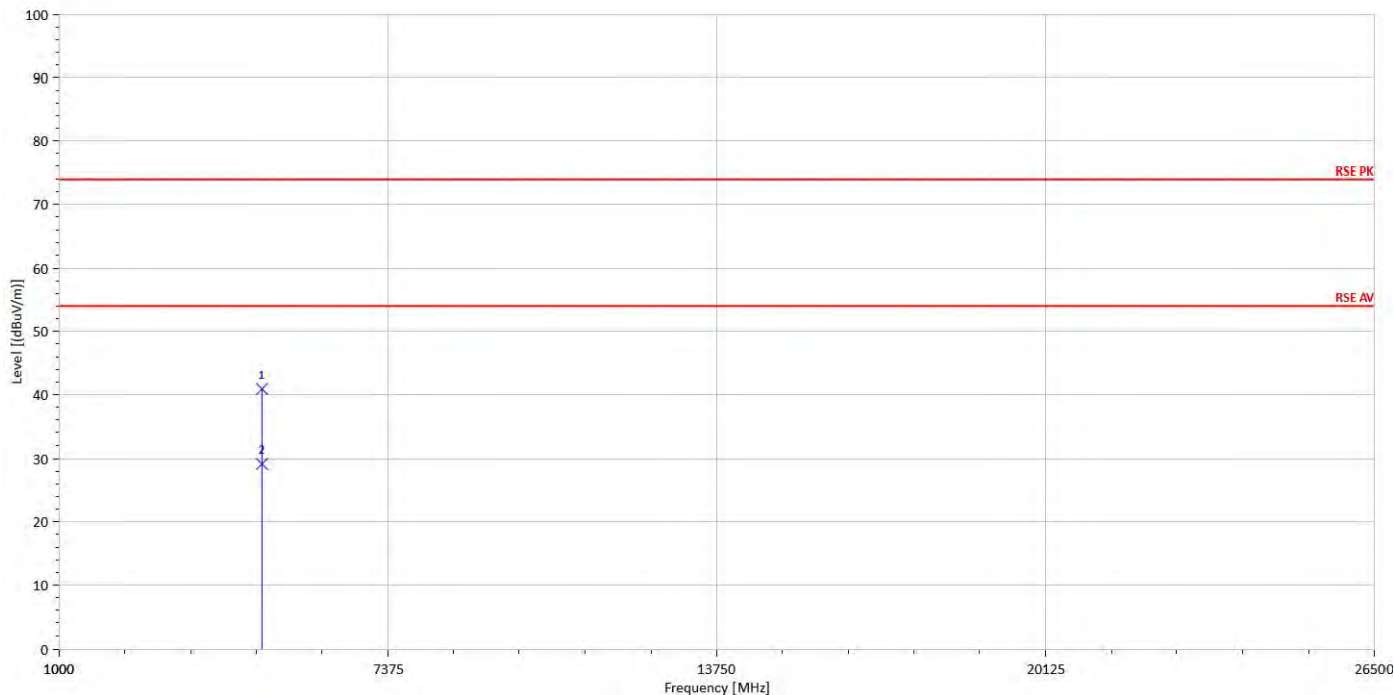
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Operation Mode : 802.11n20 Test Date : 2017/8/29
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 Operation Band : TX CH 13 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4944.00	H	Peak	33.09	7.86	40.96	74	-33.04
4944.00	H	Average	21.33	7.83	29.16	54	-24.84

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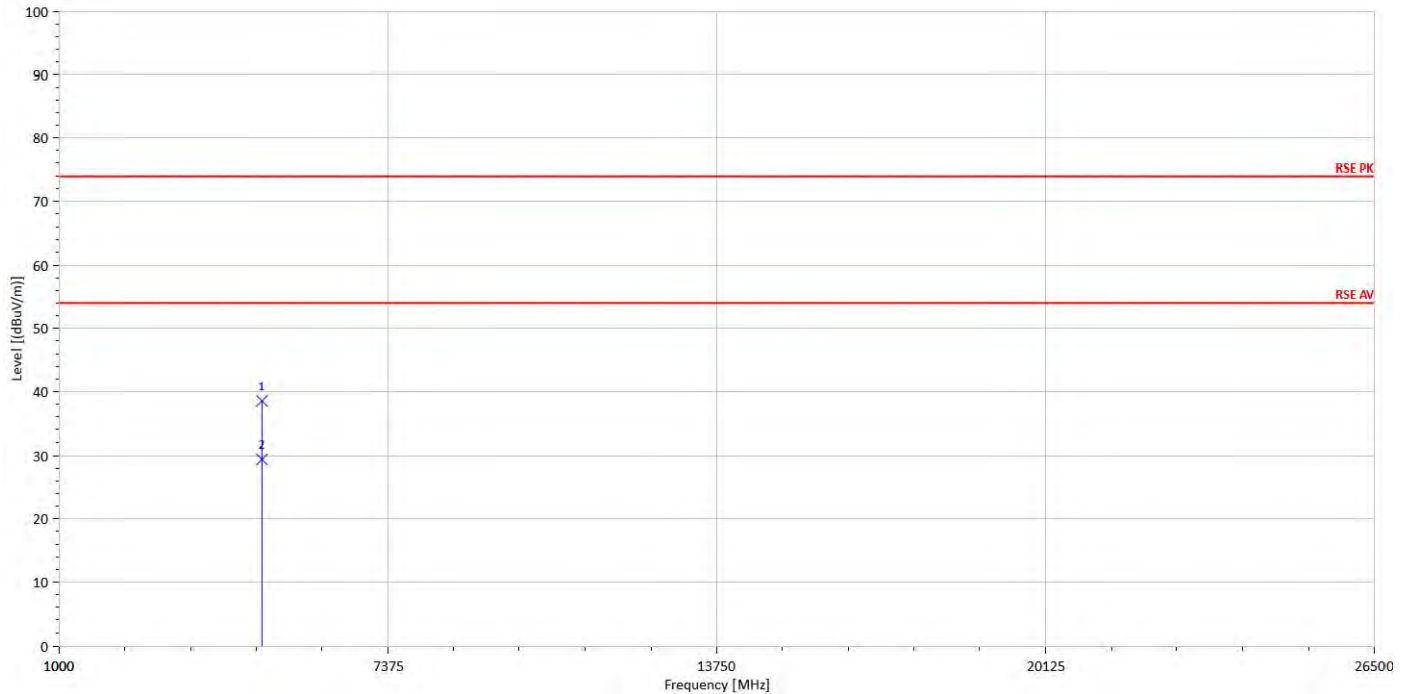
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Operation Band : TX CH 13 Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBμV	dB	dBμV/m	dBμV/m	dB
4944.00	H	Peak	30.76	7.83	38.59	74	-35.41
4944.00	H	Average	21.56	7.83	29.39	54	-24.61

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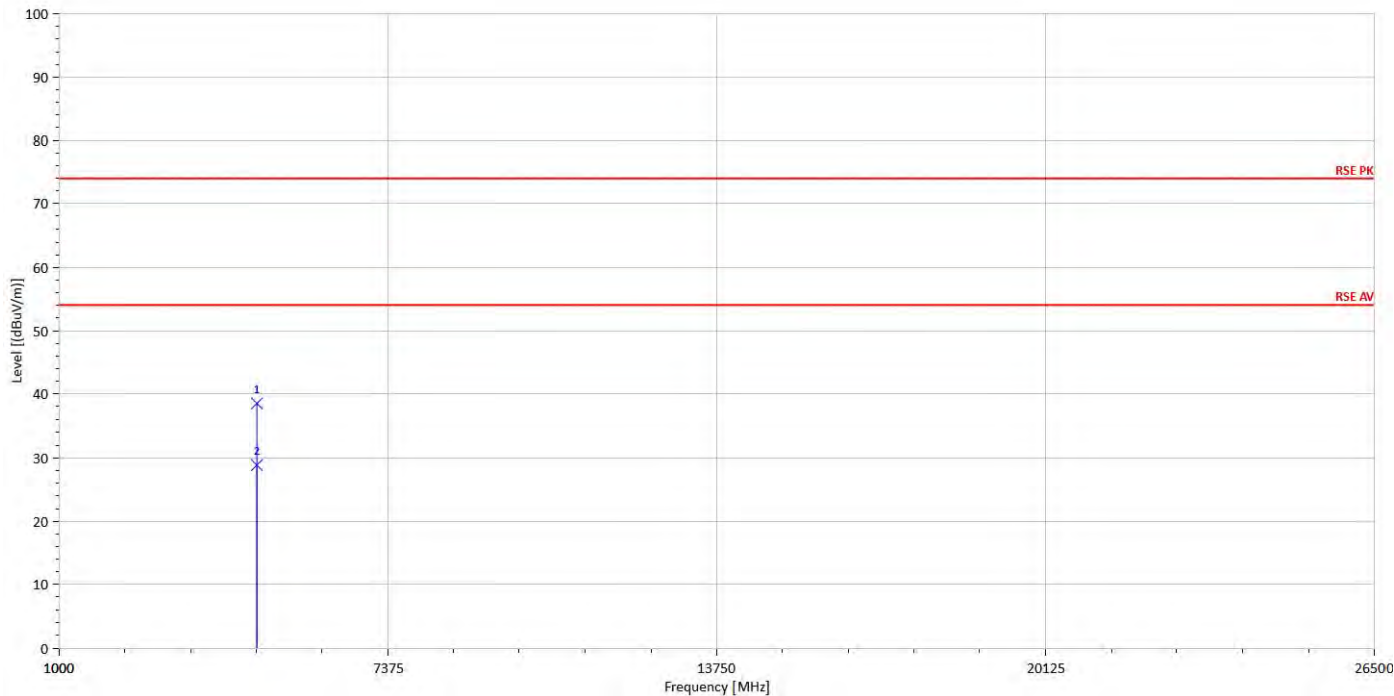
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Radiated Spurious Emission Measurement Result (802.11_HT40)

Operation Mode :	802.11n40	Test Date :	2017/8/29
Fundamental Frequency :	2422 MHz	Temp. / Humi. :	22.7deg_C/57RH
Operation Band :	TX CH Low	Test Engineer :	Enzo
EUT Pol. :	E2	Measurement Antenna Pol. :	Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4844.00	H	Peak	30.96	7.55	38.51	74	-35.49
4844.00	H	Average	21.29	7.55	28.84	54	-25.16

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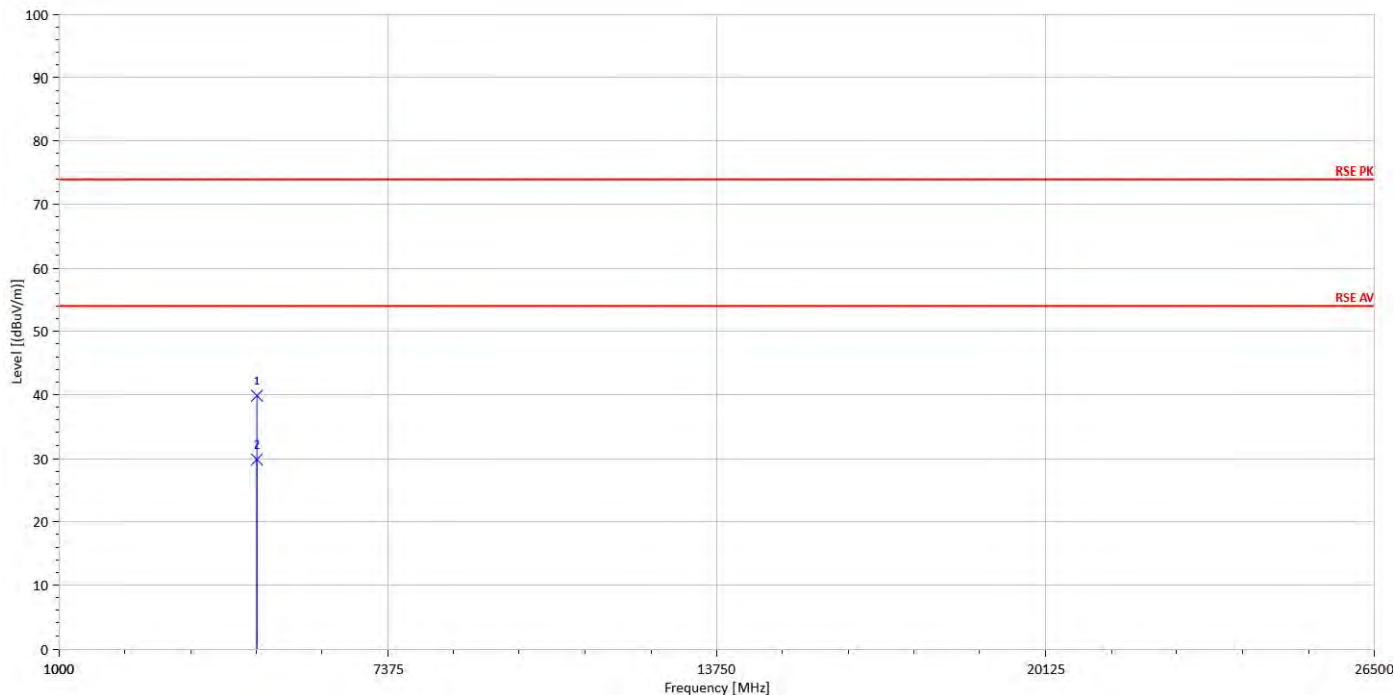
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2422 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Low Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4844.00	H	Peak	32.34	7.55	39.89	74	-34.11
4844.00	H	Average	22.33	7.55	29.88	54	-24.12

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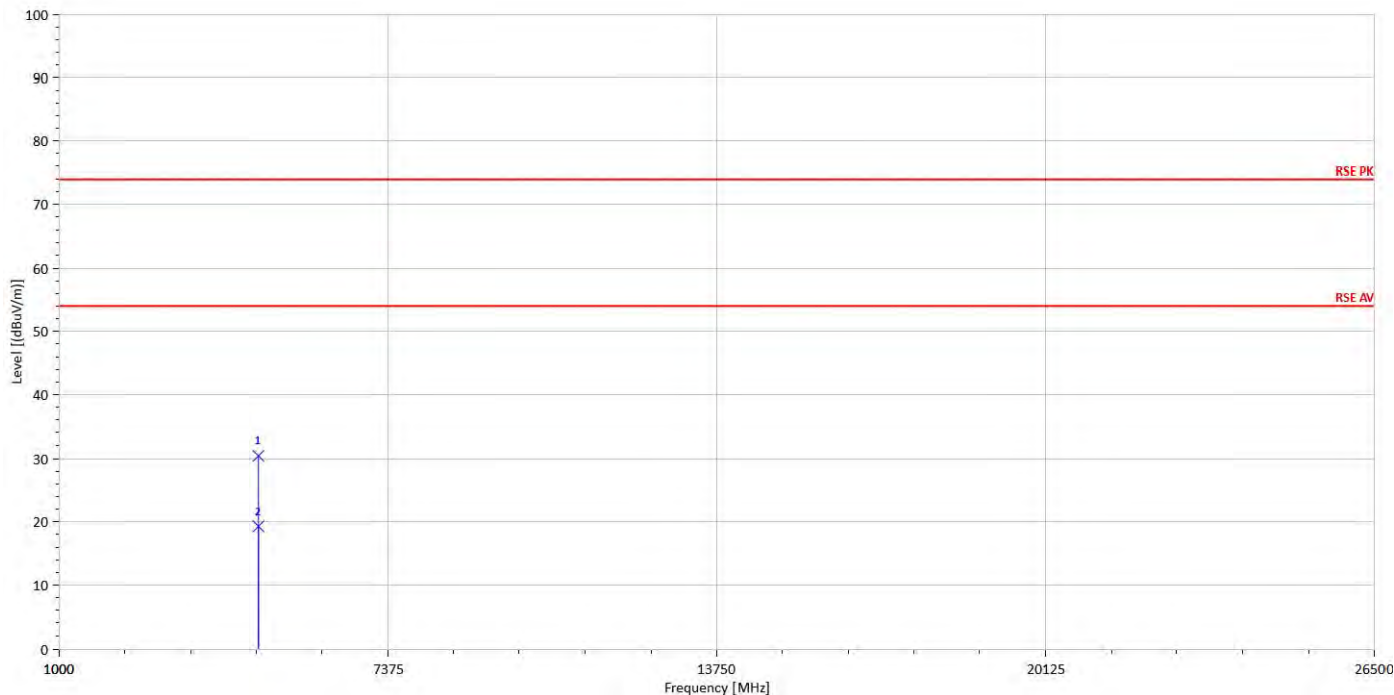
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	H	Peak	33.53	-3.06	30.47	74	-43.53
4874.00	H	Average	22.31	-3.06	19.25	54	-34.75

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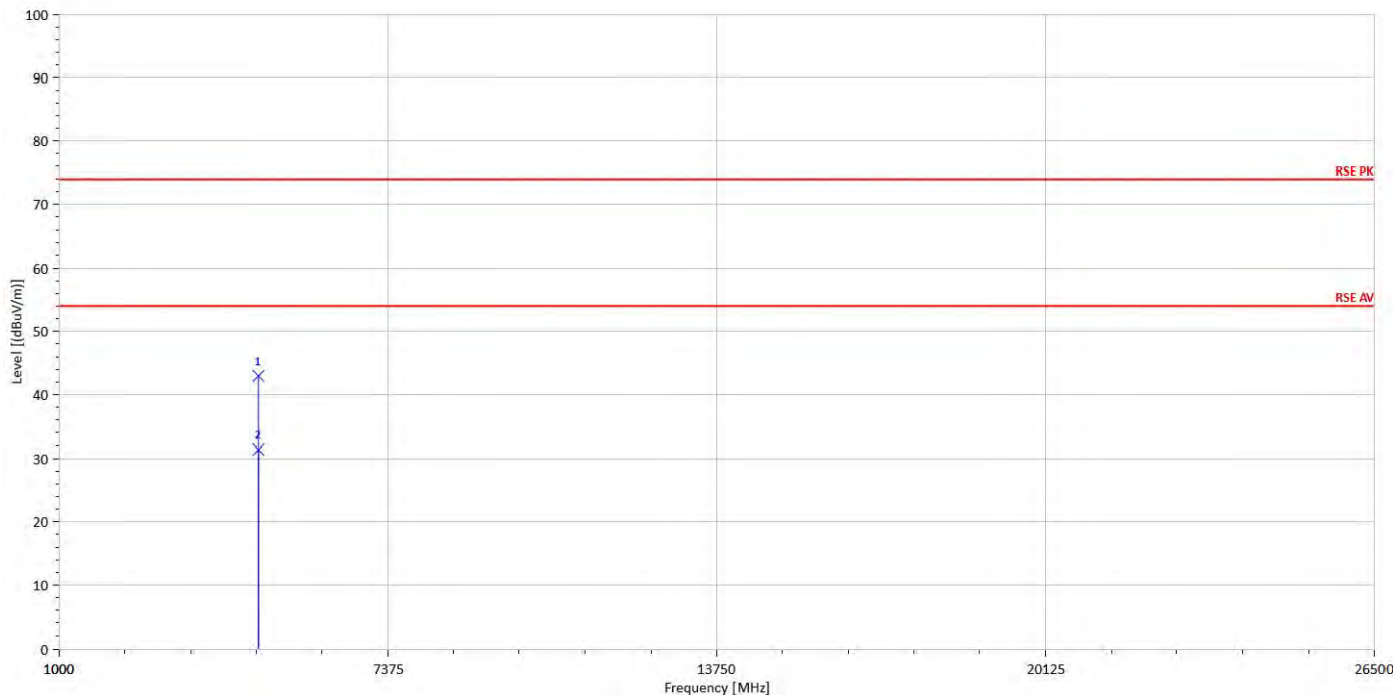
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2437 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH Mid Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4874.00	H	Peak	35.25	7.77	43.02	74	-30.98
4874.00	H	Average	23.47	7.91	31.38	54	-22.62

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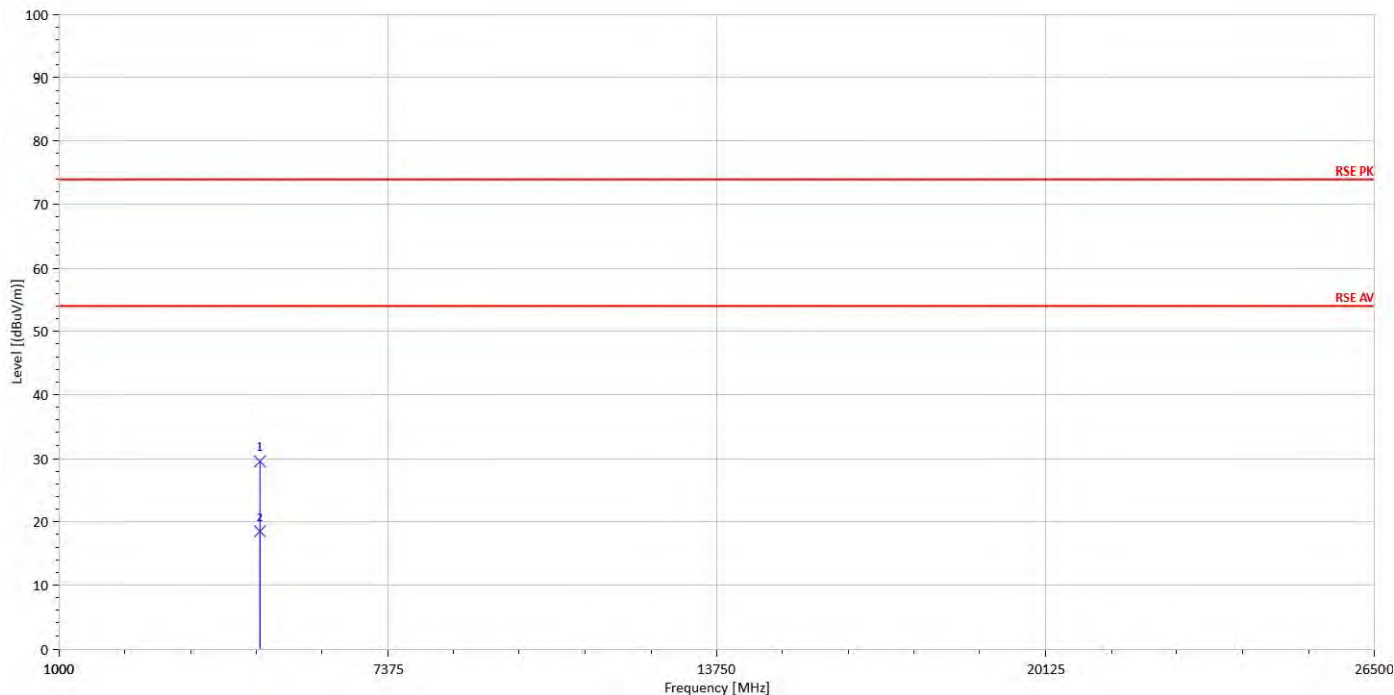
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2452 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4904.00	H	Peak	32.96	-3.39	29.57	74	-44.43
4904.00	H	Average	21.61	-3.16	18.45	54	-35.55

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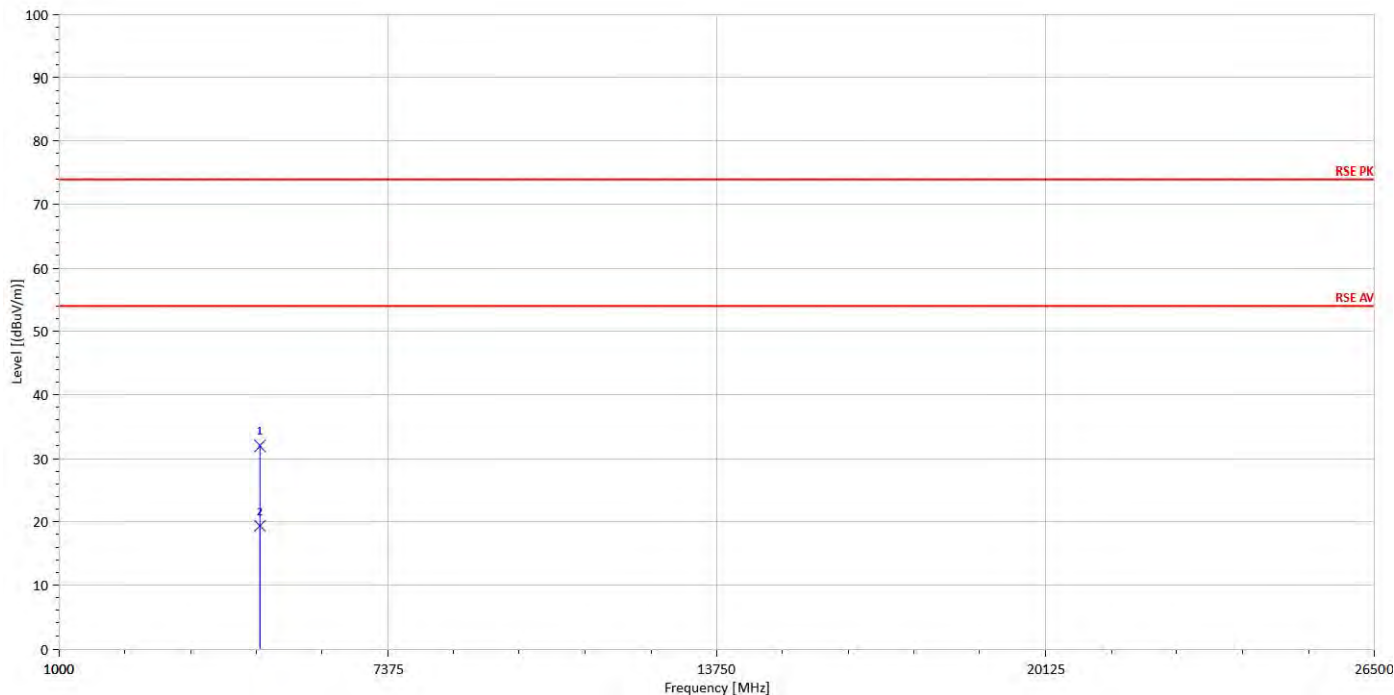
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2452 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH High Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4904.00	H	Peak	35.13	-3.16	31.97	74	-42.03
4904.00	H	Average	22.48	-3.16	19.32	54	-34.68

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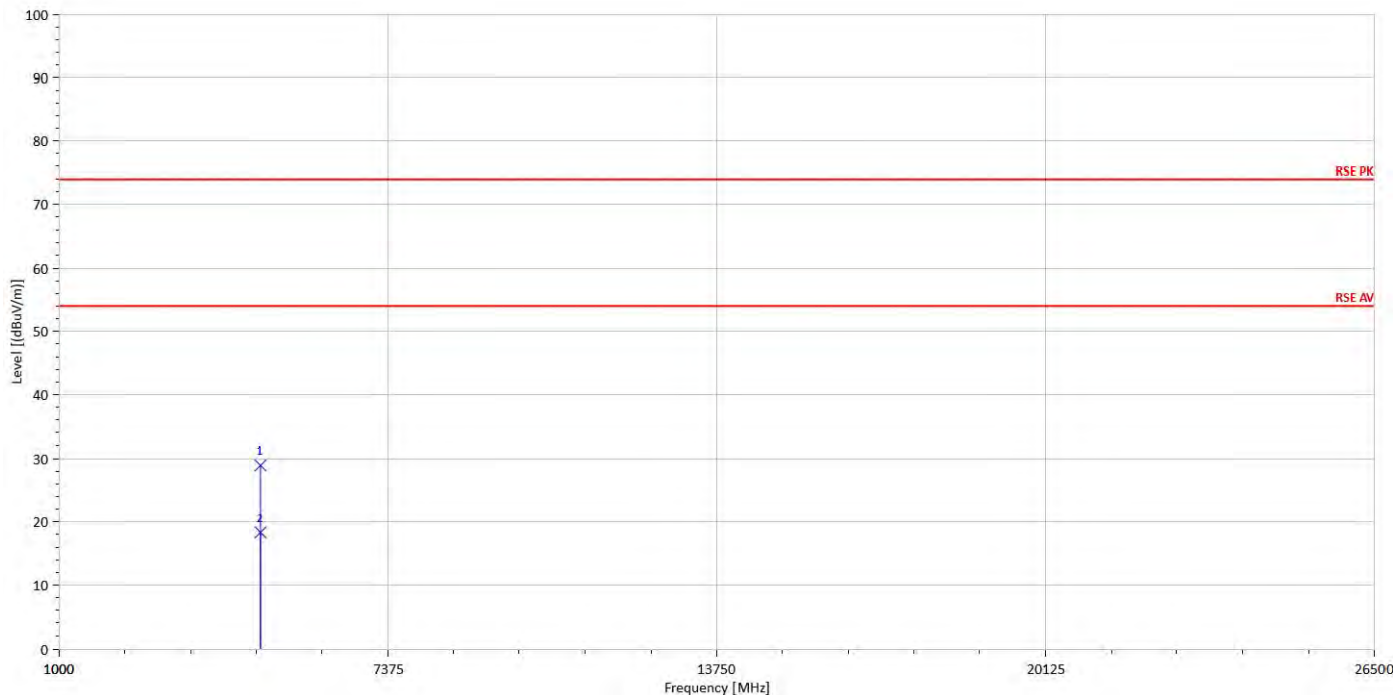
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2457 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 10 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4914.00	H	Peak	32.03	-3.10	28.94	74	-45.06
4914.00	H	Average	21.38	-3.10	18.28	54	-35.72

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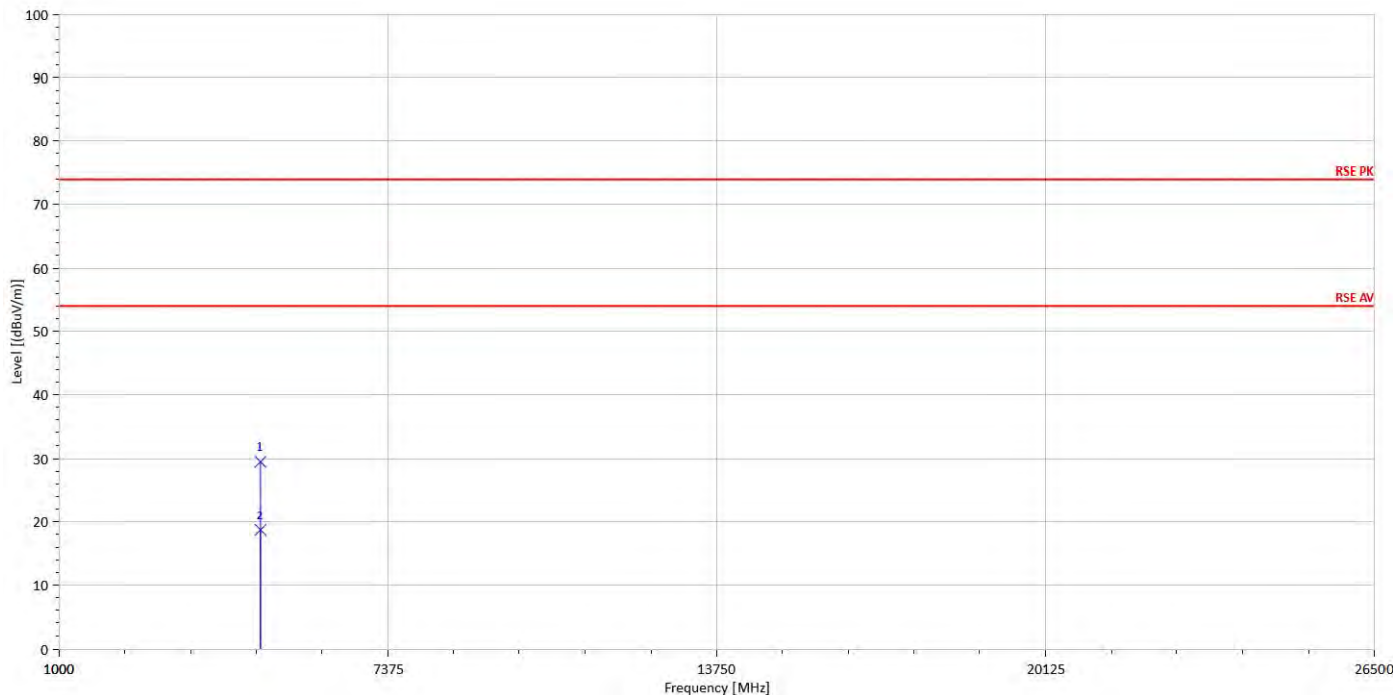
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Operation Mode : 802.11n40 Test Date : 2017/8/29
 Fundamental Frequency : 2457 MHz Temp. / Humi. : 22.7deg_C/57RH
 Operation Band : TX CH 10 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4914.00	H	Peak	32.61	-3.10	29.51	74	-44.49
4914.00	H	Average	21.77	-3.10	18.67	54	-35.33

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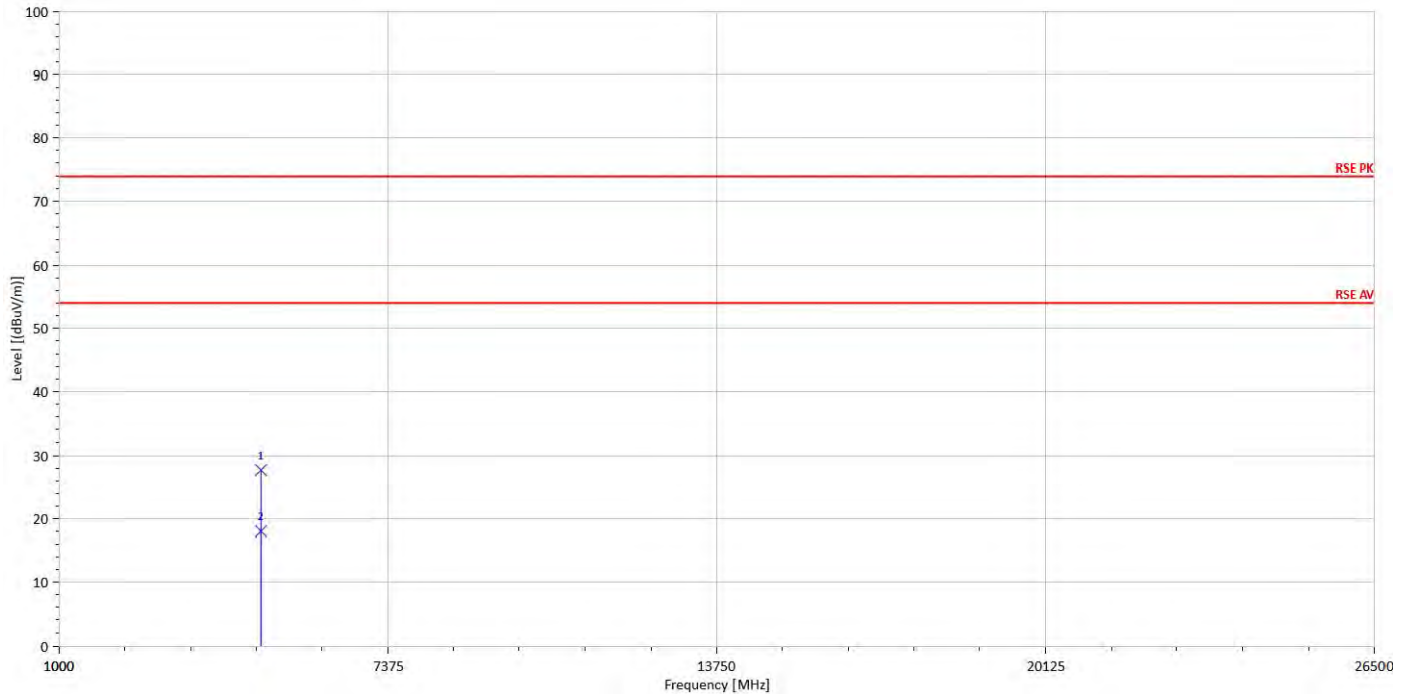
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Operation Mode : 802.11n40 Test Date : 2017/8/29
Fundamental Frequency : 2462 MHz Temp. / Humi. : 22.7deg_C/57RH
Operation Band : TX CH 11 Test Engineer : Enzo
EUT Pol. : E2 Measurement Antenna Pol. : Vertical



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	H	Peak	30.99	-3.28	27.71	74	-46.29
4924.00	H	Average	21.31	-3.28	18.03	54	-35.97

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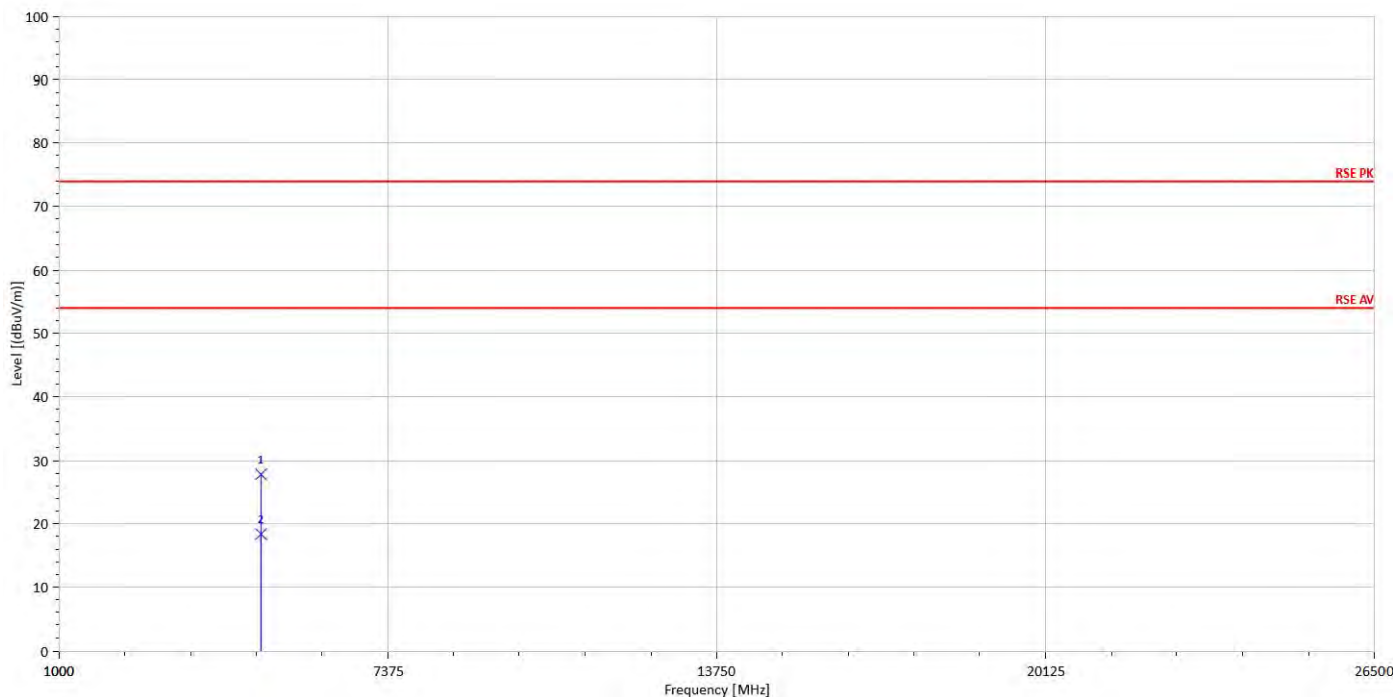
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 Operation Band : TX CH 11 Test Engineer : Enzo
 EUT Pol. : E2 Measurement Antenna Pol. : Horizontal



Freq.	Note	Detector Mode	Spectrum Reading Level	Factor	Actual FS	Limit @3m	Margin
MHz	F/H/E/S	PK/QP/AV	dBuV	dB	dBuV/m	dBuV/m	dB
4924.00	H	Peak	31.13	-3.28	27.84	74	-46.16
4924.00	H	Average	21.61	-3.28	18.33	54	-35.67

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12 PEAK POWER SPECTRAL DENSITY

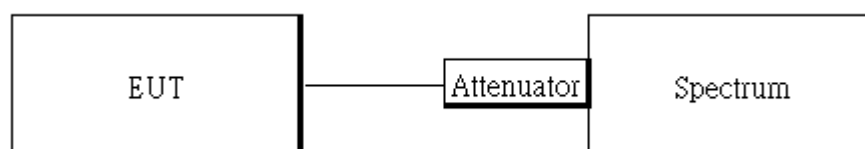
12.1 Standard Applicable

The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8dBm in any 3 kHz band during any time interval of continuous transmission.

12.2 Measurement Equipment Used

Conducted Emission Test Site					
EQUIPMENT TYPE	MFR	MODEL NUMBER	SERIAL NUMBER	LAST CAL.	CAL DUE.
Spectrum Analyzer	KEYSIGHT	N9010A	MY51440113	06/20/2017	06/19/2018
Coaxial Cable 30cm	WOKEN	00100A1F1A 195C	RF01	12/12/2016	12/11/2017
DC Block	PASTERNAK	PE8210	RF29	12/12/2016	12/11/2017
Attenuator	WOKEN	218FS-10	RF23	12/12/2016	12/11/2017
DC Power Supply	Agilent	E3640A	MY53140006	05/02/2017	05/01/2018

12.3 Test Set-up



12.4 Measurement Procedure

1. Set analyzer center frequency to DTS channel center frequency.
2. The testing follows the Measurement Procedure of FCC KDB 558074 D01 DTS Meas. Guidance .
3. Set the span to 1.5 times the DTS channel bandwidth.
4. Set the RBW = 3 kHz & VBW = 10 kHz.
5. For defining Restricted Band Edge Limit:
Set the RBW = 100kHz & VBW = 300 kHz
6. Detector = peak.
7. Sweep time = auto couple.
8. Trace mode = max hold.
9. Allow trace to fully stabilize.
10. Use the peak marker function to determine the maximum amplitude level.
11. 802.11n MIMO mode: offset is set following "measure and add 10 Log (N)" on spectrum to measure the PSD for MIMO mode. Offset = cable loss + 10 log (N), where N is number of transmitting antenna. N=2 for this given application.

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Note:

Antenna Gain: -1.59 dBi

Aux1 Antenna Gain: -1.38 dBi

Number Antenna: 2 pcs

Limit: 8 dBm

The antenna gain is grater than 6dBi in MIMO mode the limit reduce as below:

Directional gain = gain of antenna element + 10 log (# of TX antenna elements)

Effective Legacy Gain (dBi) = -1.38+3.01=1.63dBi

Limit: 8dBm – (1.63– 6dBi)=8

12.5 Measurement Result

POWER DENSITY 802.11b				POWER DENSITY 802.11g			
Freq. (MHz)	PPSD With Duty Factor (dBm)	Limit (dBm)	Result	Freq. (MHz)	PPSD With Duty Factor (dBm)	Limit (dBm)	Result
2412	5.57	8.00	PASS	2412	-11.30	8.00	PASS
2437	5.70	8.00	PASS	2437	-12.36	8.00	PASS
2462	5.47	8.00	PASS	2462	-12.74	8.00	PASS
2467	-12.40	8.00	PASS	2467	-15.92	8.00	PASS
2472	-19.02	8.00	PASS	2472	-28.97	8.00	PASS
POWER DENSITY 802.11n HT20				POWER DENSITY 802.11n HT40			
Freq. (MHz)	PPSD With Duty Factor (dBm)	Limit (dBm)	Result	Freq. (MHz)	PPSD With Duty Factor (dBm)	Limit (dBm)	Result
2412	-9.04	8.00	PASS	2422	-14.34	8.00	PASS
2437	-8.16	8.00	PASS	2437	-10.96	8.00	PASS
2462	-8.52	8.00	PASS	2452	-13.04	8.00	PASS
2467	-16.94	8.00	PASS	2457	-16.34	8.00	PASS
2472	-25.06	8.00	PASS	2462	-27.45	8.00	PASS

Note:

offset 11.20 dB for SISO mode

offset 14.20 dB for MIMO mode

*Refer to next page for plots

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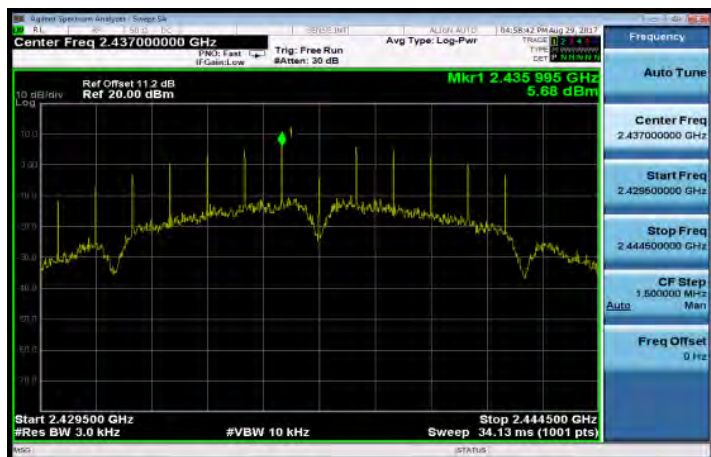
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802.11n_b PSD (CH-12)



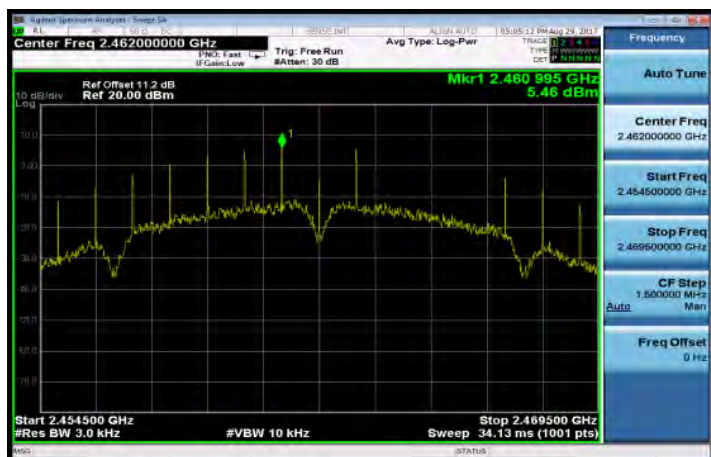
802.11b PSD (CH-Mid)



802.11n_b PSD (CH-13)



802.11b PSD (CH-High)



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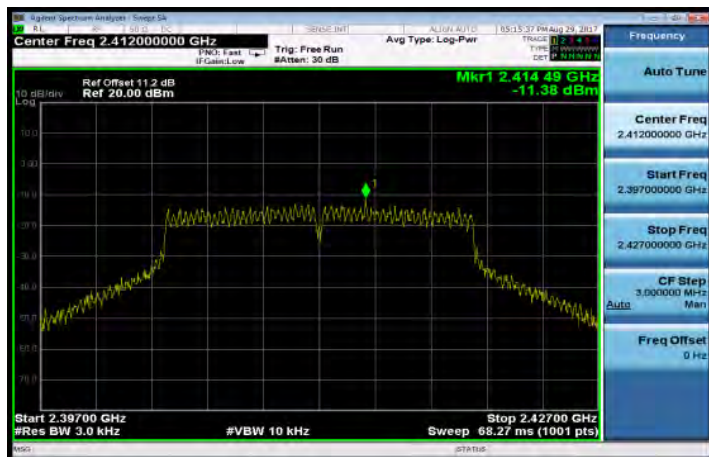
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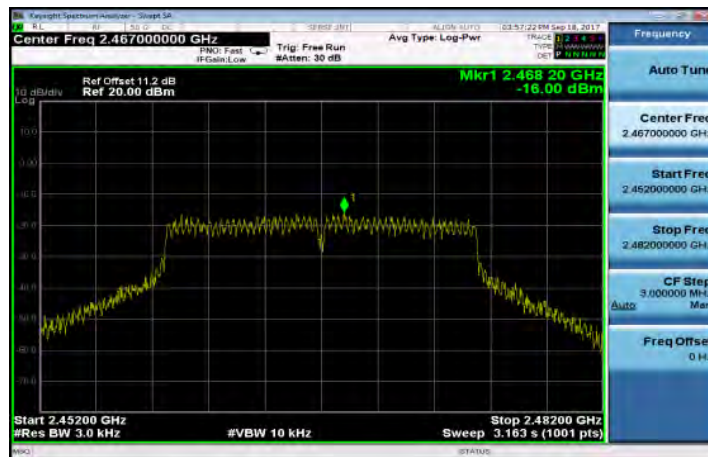
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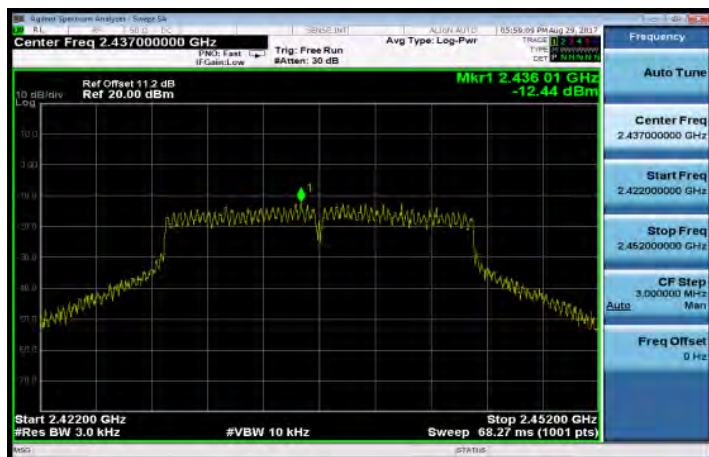
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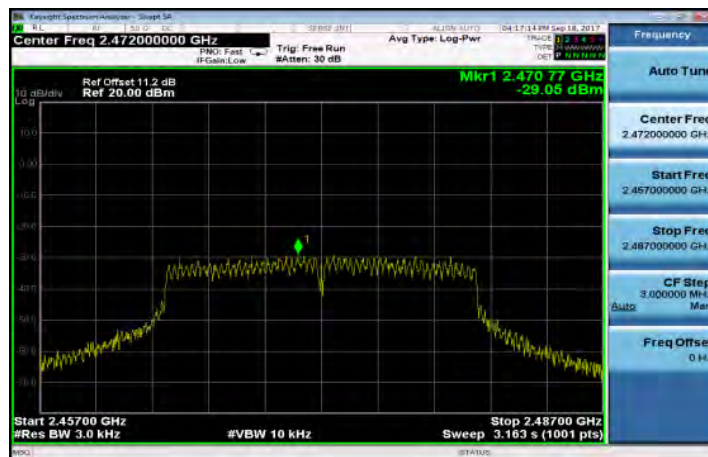
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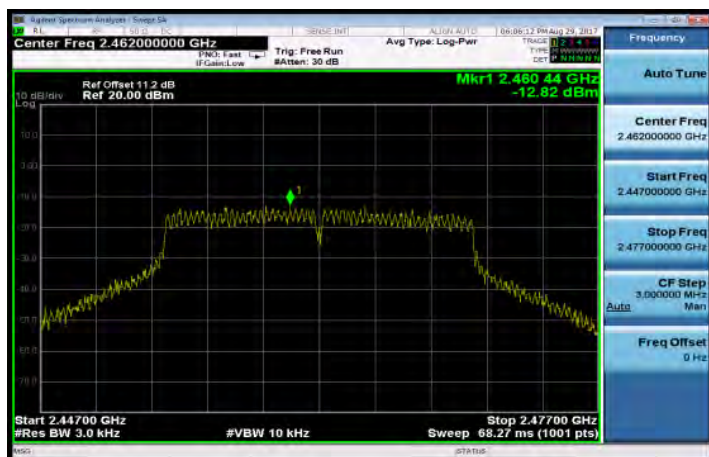
802.11g PSD (CH-Mid)



802.11n_g PSD (CH-13)



P802.11g PSD (CH-High)



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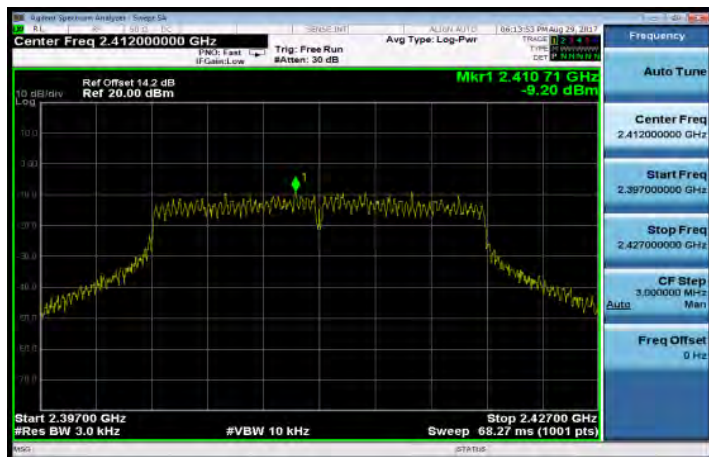
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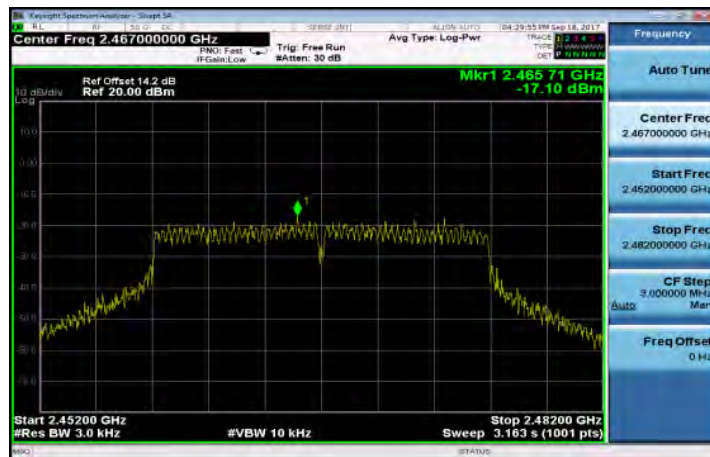
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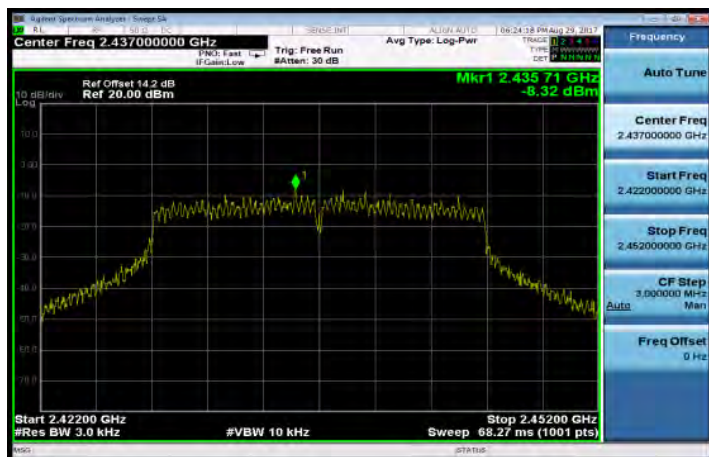
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802.11n_HT20 PSD (CH-12)



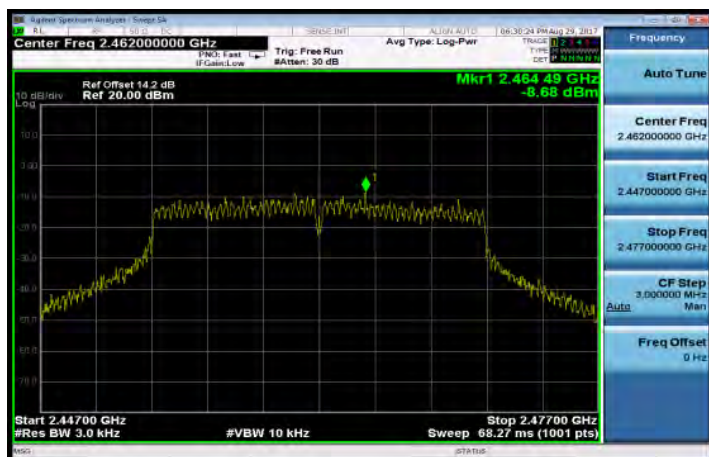
802.11n_HT20 PSD (CH-Mid)



802.11n_HT20 PSD (CH-13)



802.11n_HT20 PSD (CH-High)



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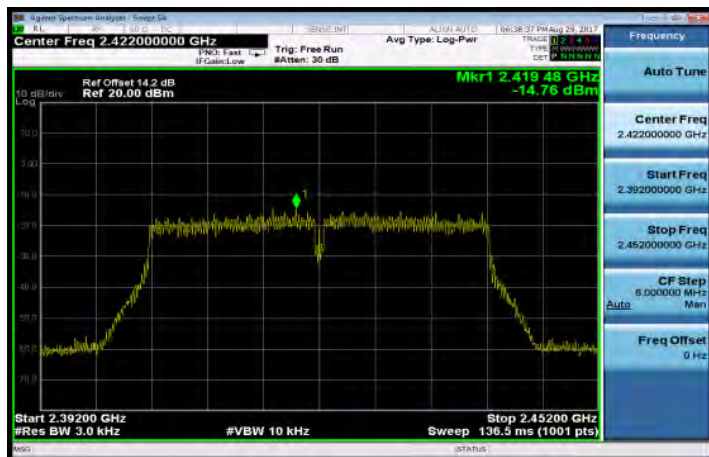
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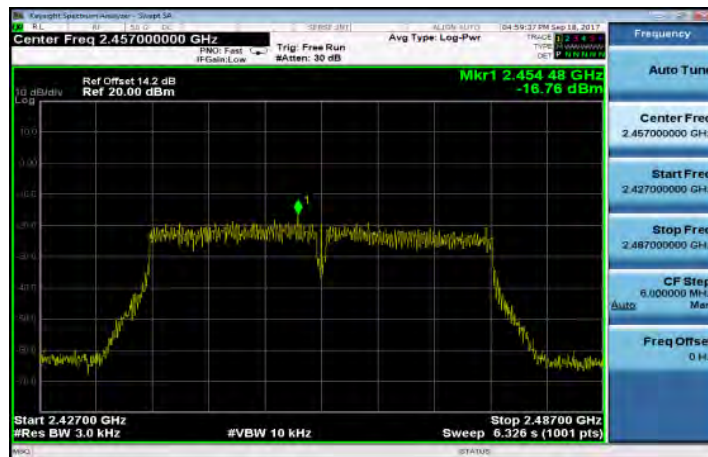
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802.11n_HT40 PSD (CH-Low)



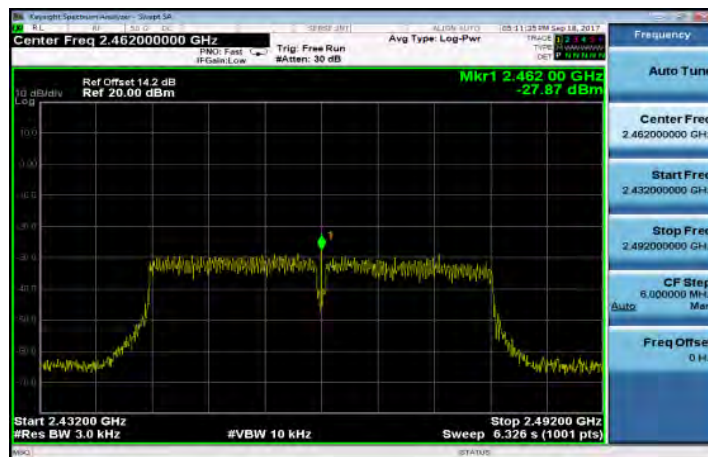
802.11n_HT40 PSD (CH-10)



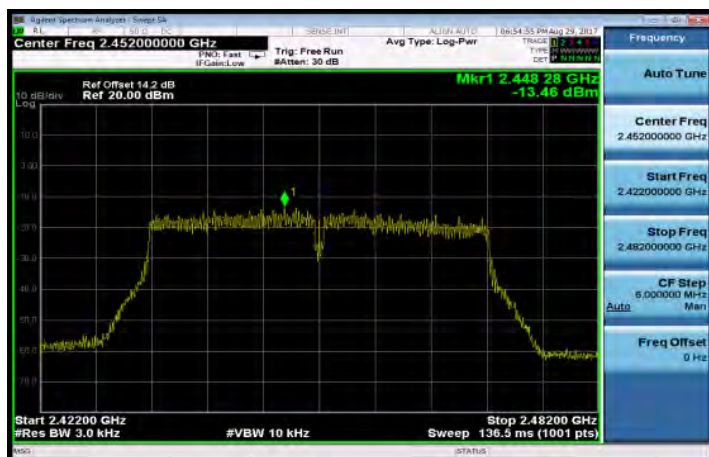
802.11n_HT40 PSD (CH-Mid)



802.11n_HT40 PSD (CH-11)



802.11n_HT40 PSD (CH-High)



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13 ANTENNA REQUIREMENT

13.1 Standard Applicable

For intentional device, according to §15.203, an intentional radiator shall be designed to ensure that no antenna other than furnished by the responsible party shall be used with the device.

If the transmitting antenna is greater than 6dBi, the power shall be reduced by the same level in dB comparing to gain minus 6dBi.

13.2 Antenna Connected Construction

An embedded-in antenna design is used.

The antenna connector is designed with unique type RF connector and no consideration of replacement. Please see EUT photo and antenna spec. for details.

~ End of Report ~

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