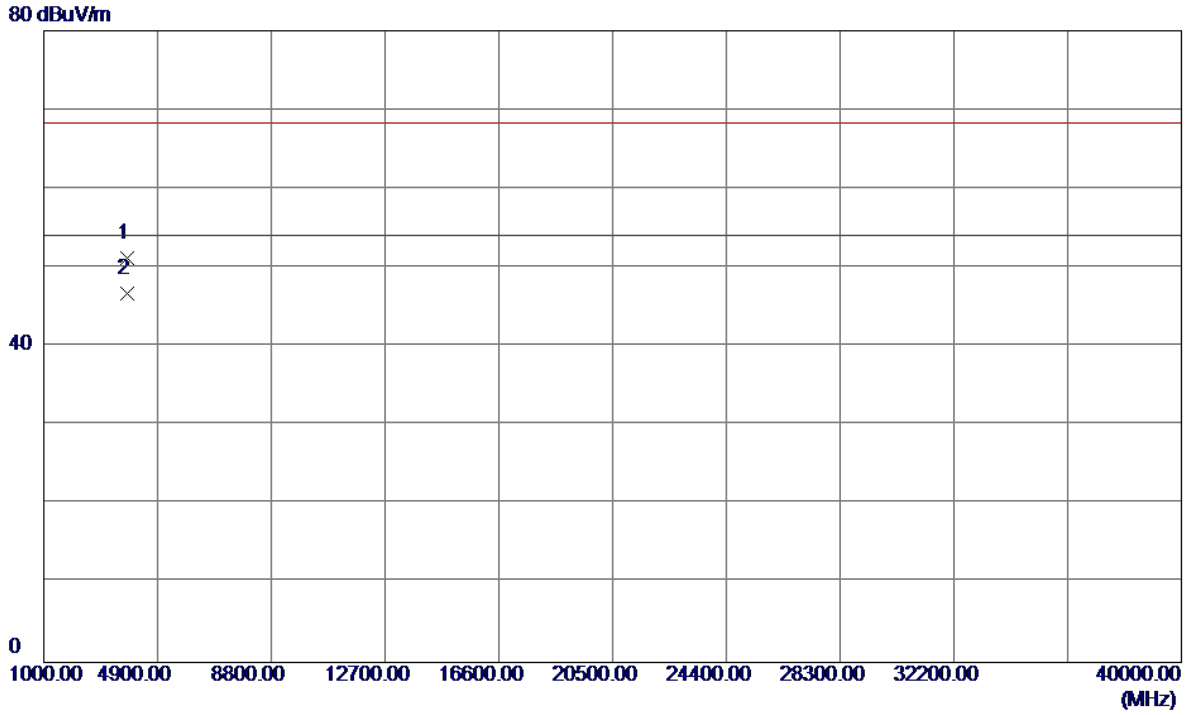
Orthogonal Axis:	X
Test Mode:	UNII-3/TX N40 Mode 5795MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	3863.1440	48.66	2.50	51.16	68.30	-17.14	Peak	
2 *	3863.2500	44.20	2.50	46.70	54.00	-7.30	AVG	

TX A Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

Duty cycle = T_{ON} / T_{Total}

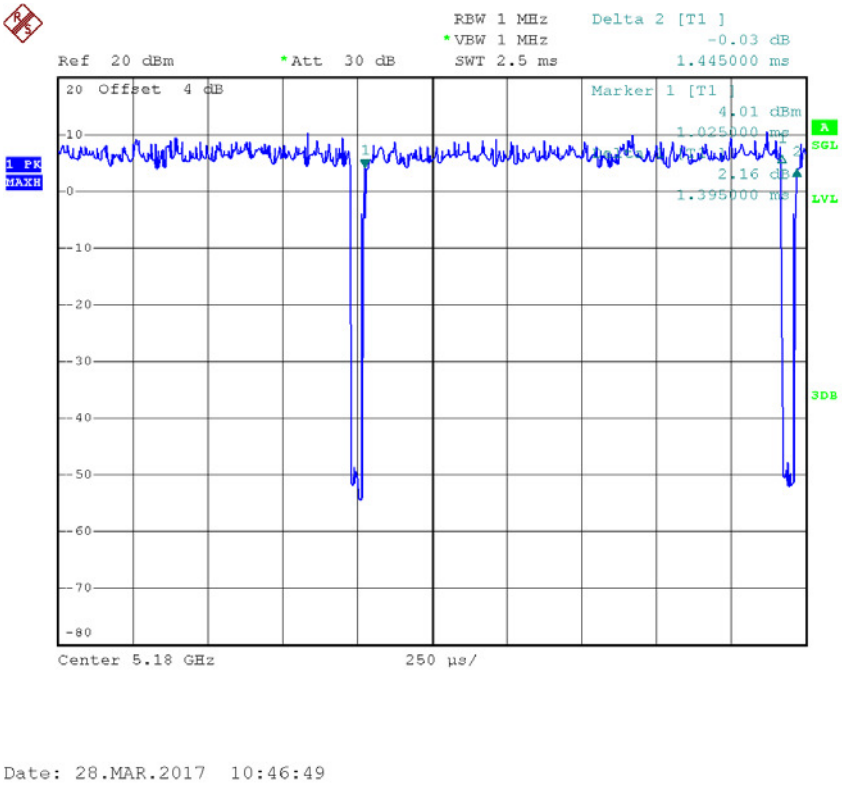
T_{ON}: 1.40 msec

T_{Total}: 1.44 msec

Duty cycle: 97.22%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.12



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

TX N20 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

Duty cycle = T_{ON} / T_{Total}

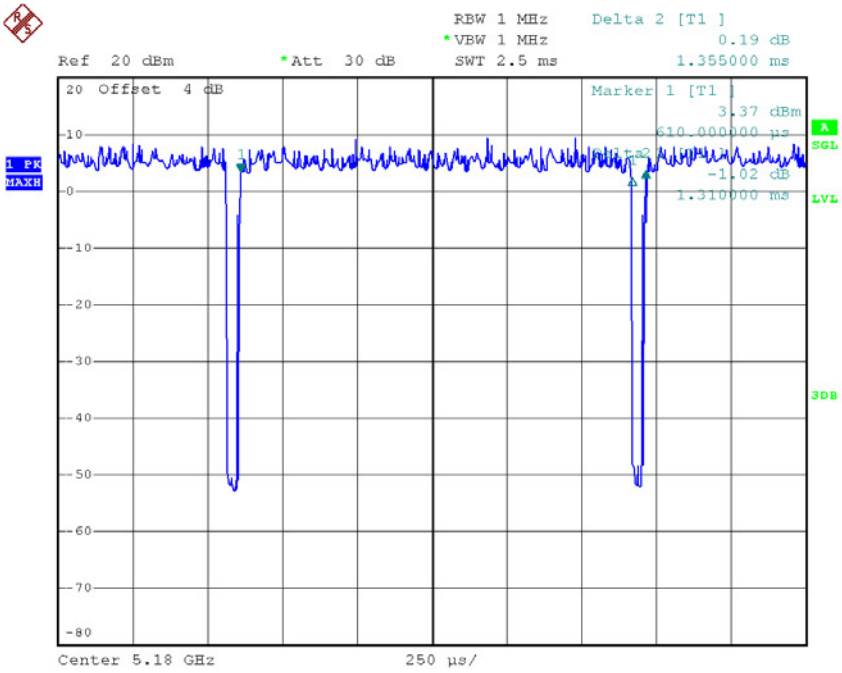
T_{ON}: 1.31 msec

T_{Total}: 1.36 msec

Duty cycle: 96.32%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.16



Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

TX N40 Mode_DUTY CYCLE

Duty cycle: TX DUTYMHz

Duty cycle = T_{ON} / T_{Total}

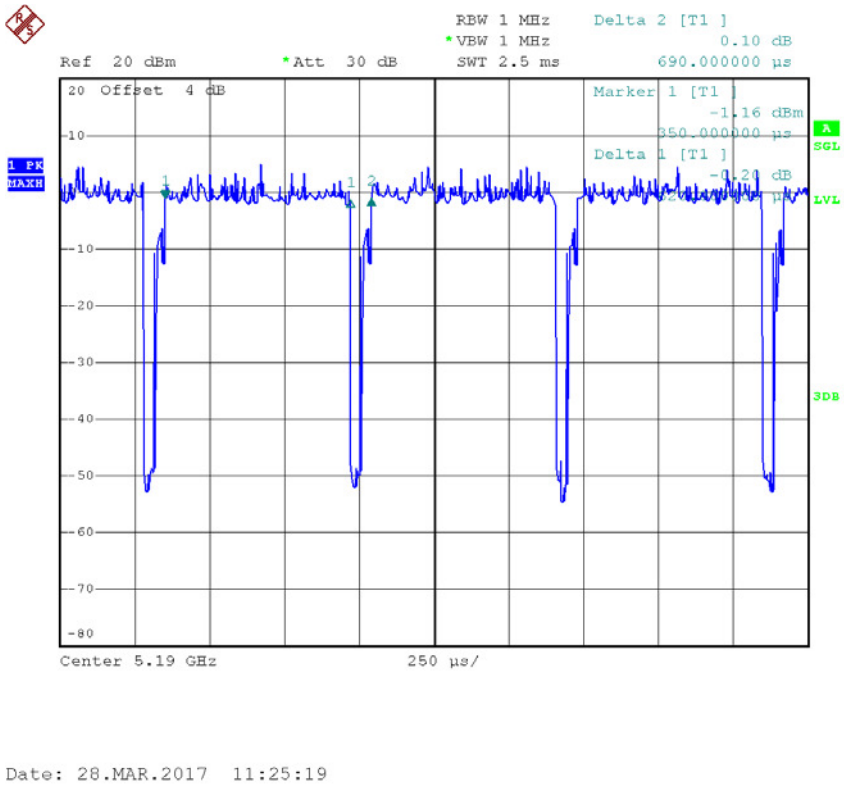
T_{ON}: 0.62 msec

T_{Total}: 0.69 msec

Duty cycle: 89.86%

Duty Factor = 10 log(1/Duty cycle)

Duty Factor = 0.46



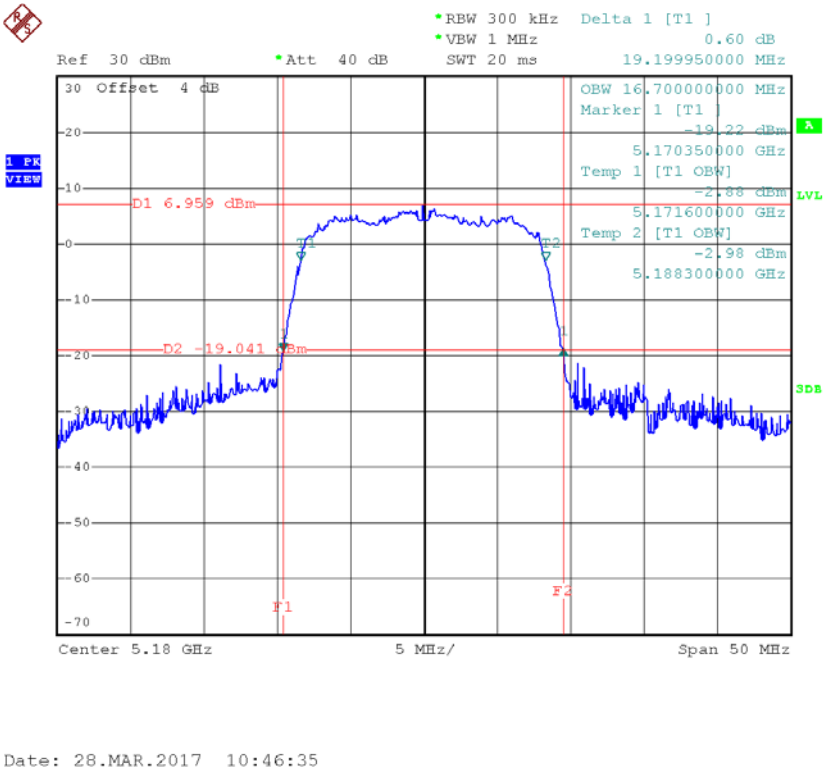
Note: The EUT was programmed to be in countinously transmitting mode and the transmit duty cycle is not less than 98 %, so, the output power and power density should be cacluated as Output Power = Measured power + Ducy factor
Power Spectral Density = Measured density + Duty factor

ATTACHMENT E - BANDWIDTH

Test Mode: UNII-1/TX A Mode_CH36/CH40/CH48

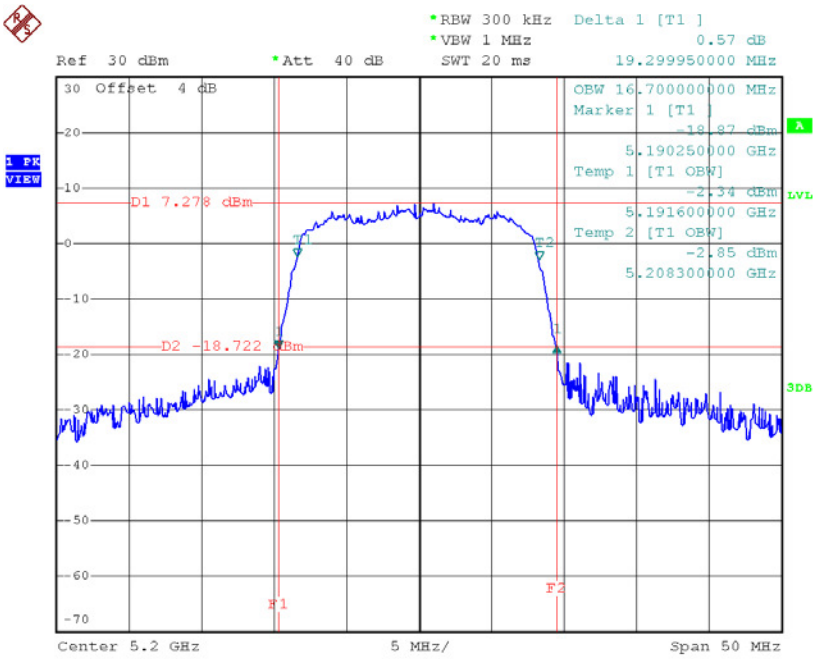
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	19.20	16.70
CH40	5200	19.30	16.70
CH48	5240	19.11	16.70

TX CH36



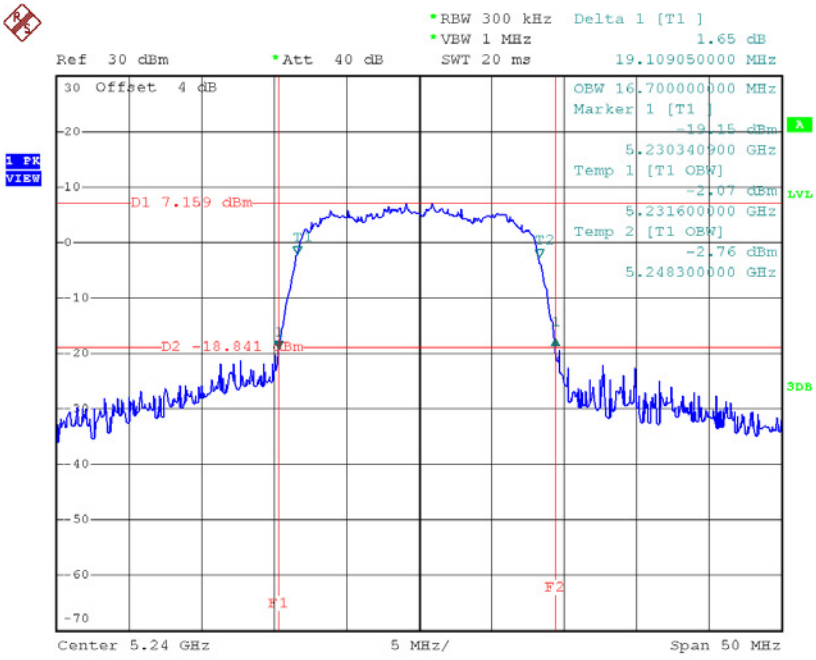
Date: 28.MAR.2017 10:46:35

TX CH40



Date: 28.MAR.2017 10:47:30

TX CH48

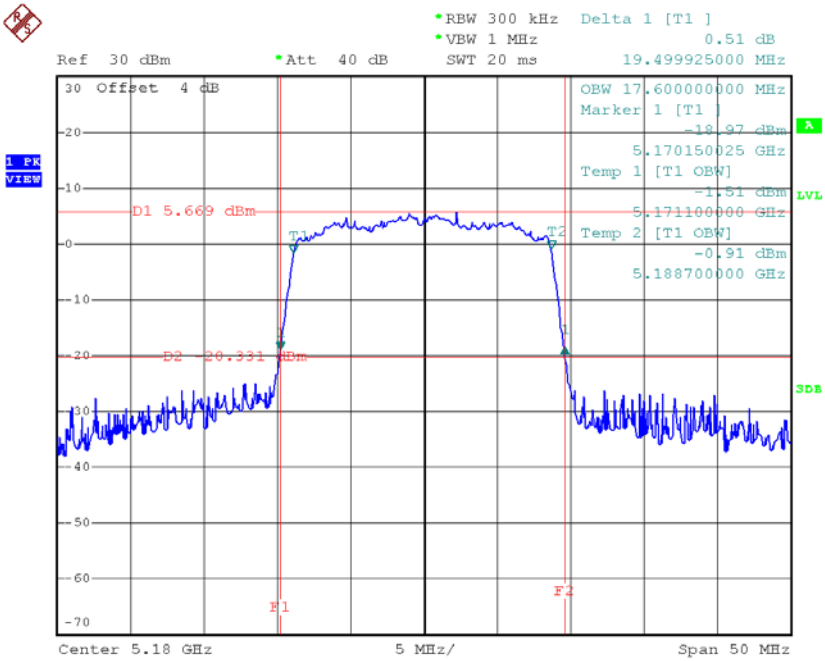


Date: 28.MAR.2017 10:48:29

Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

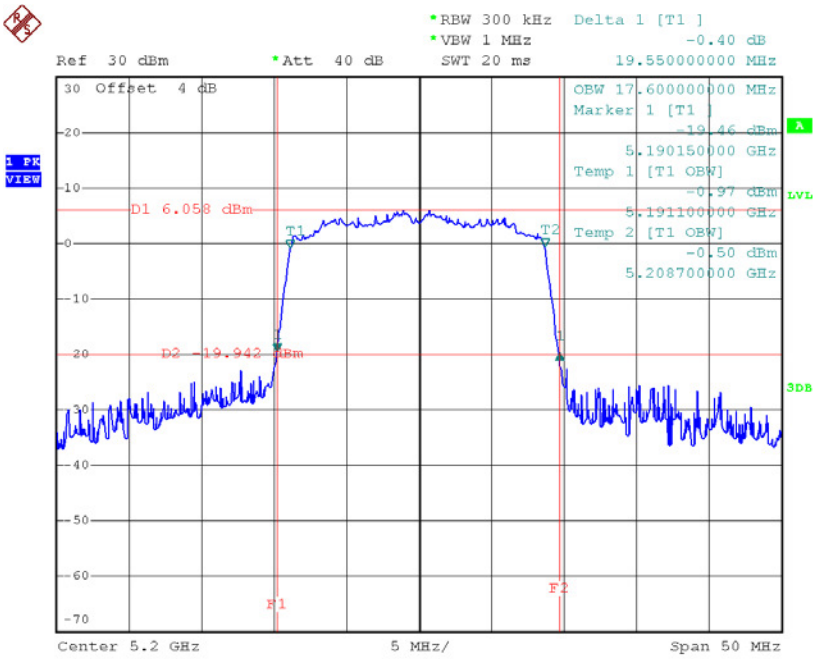
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH36	5180	19.50	17.60
CH40	5200	19.55	17.60
CH48	5240	19.50	17.60

TX CH36



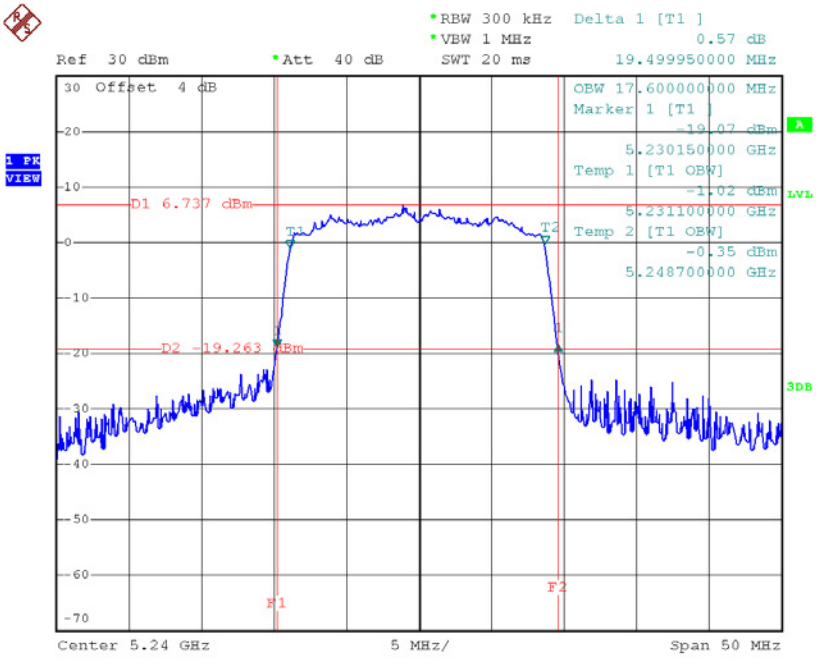
Date: 28.MAR.2017 11:13:56

TX CH40



Date: 28.MAR.2017 11:14:54

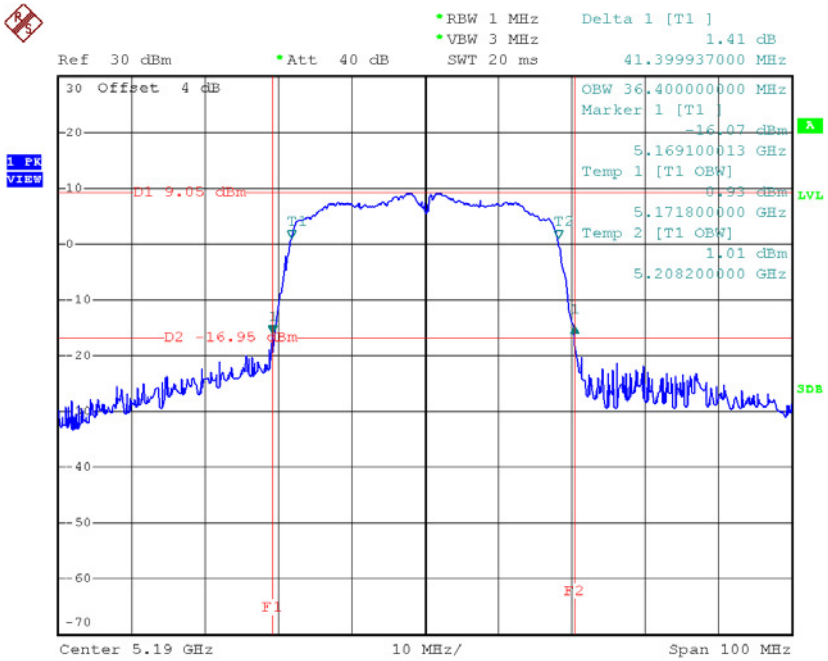
TX CH48



Date: 28.MAR.2017 11:15:44

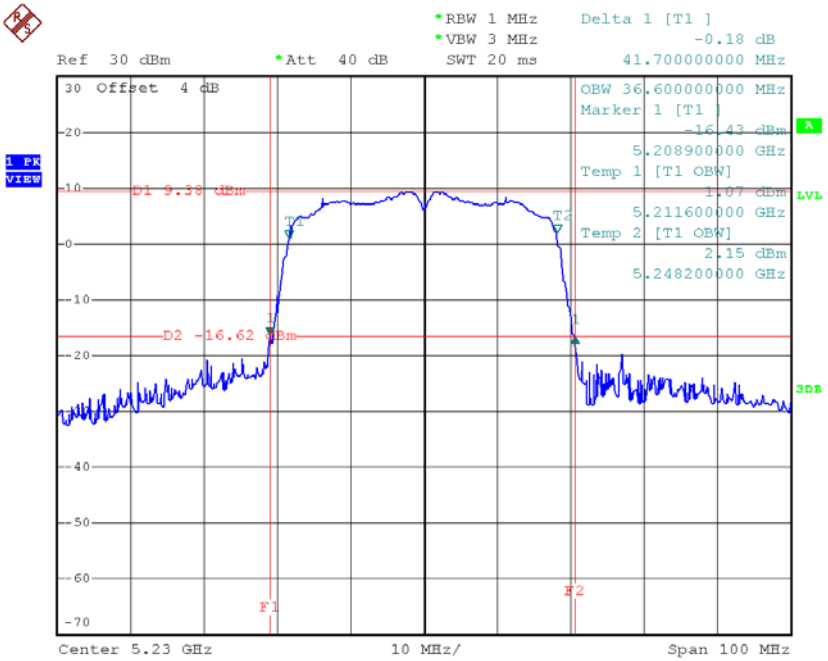
Test Mode: UNII-1/TX N40 Mode_CH38/CH46			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH38	5190	41.40	36.40
CH46	5230	41.70	36.60

TX CH38



Date: 28.MAR.2017 11:25:01

TX CH46

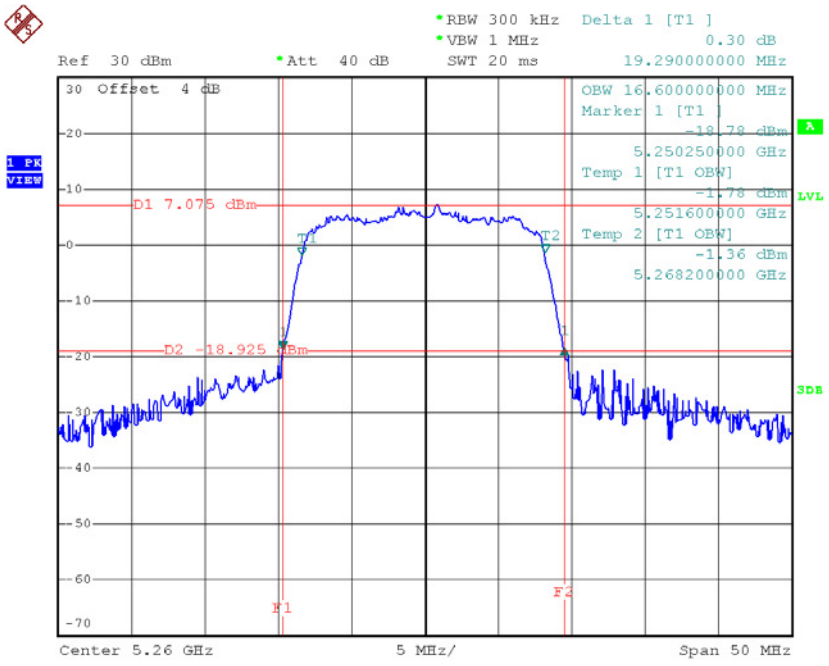


Date: 28.MAR.2017 11:26:03

Test Mode: UNII-2A/TX A Mode_CH52/CH60/CH64

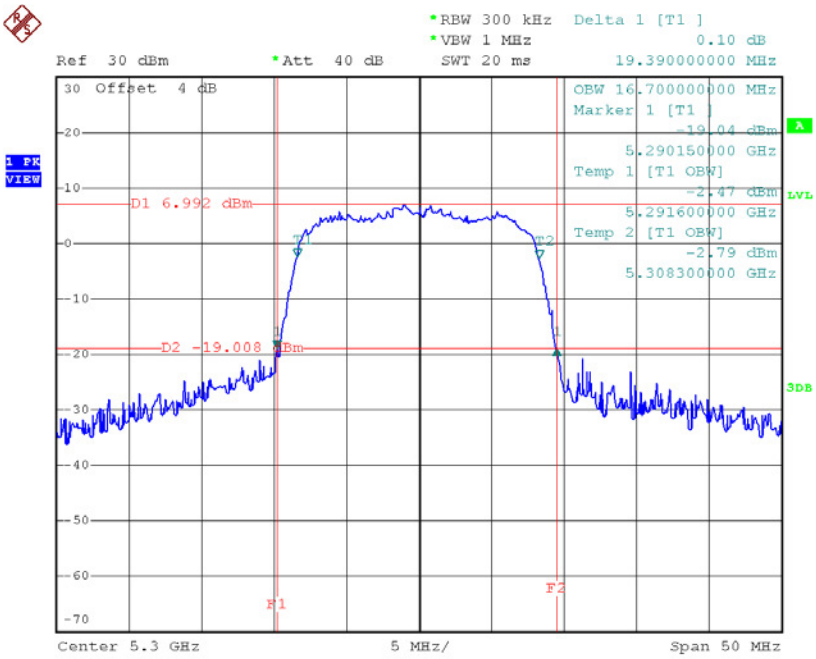
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	19.29	16.60
CH60	5300	19.39	16.70
CH64	5320	19.09	16.70

TX CH52



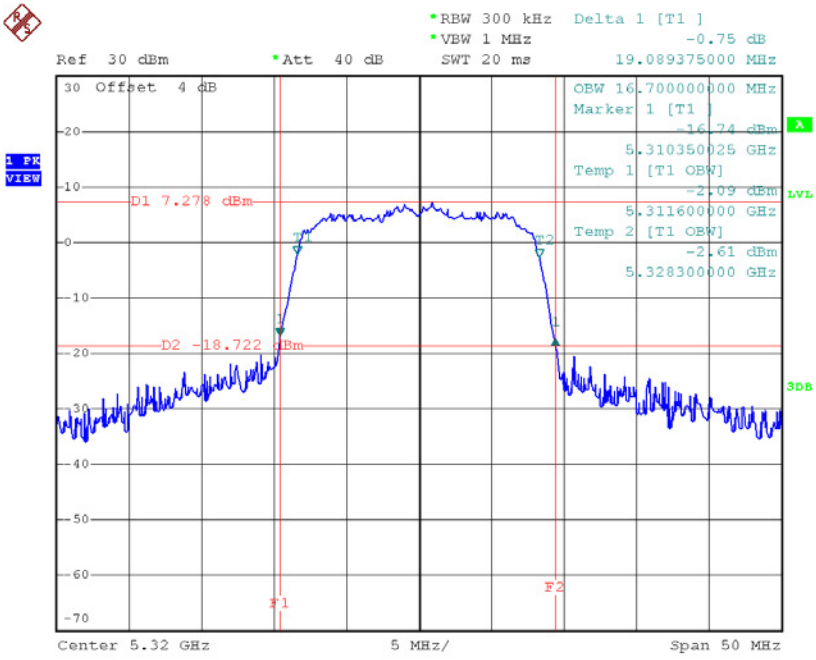
Date: 28.MAR.2017 10:49:30

TX CH60



Date: 28.MAR.2017 10:50:25

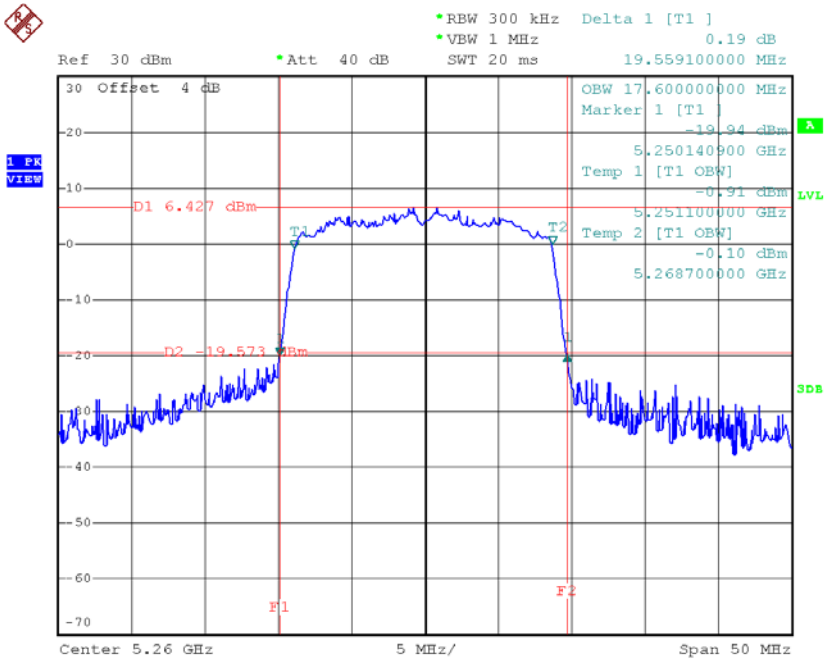
TX CH64



Date: 28.MAR.2017 10:51:17

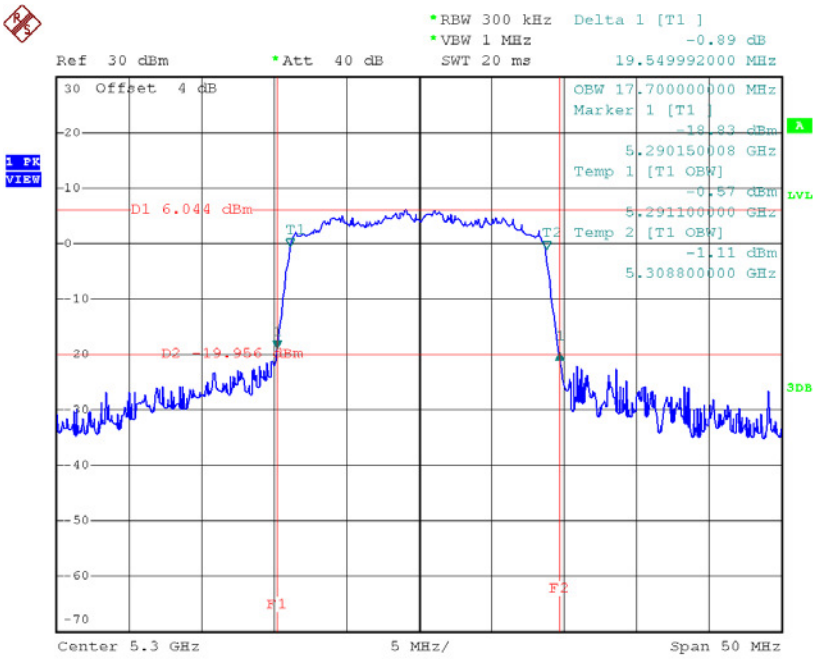
Test Mode: UNII-2A/TX N20 Mode_CH52/CH60/CH64			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH52	5260	19.56	17.60
CH60	5300	19.55	17.70
CH64	5320	19.45	17.70

TX CH52



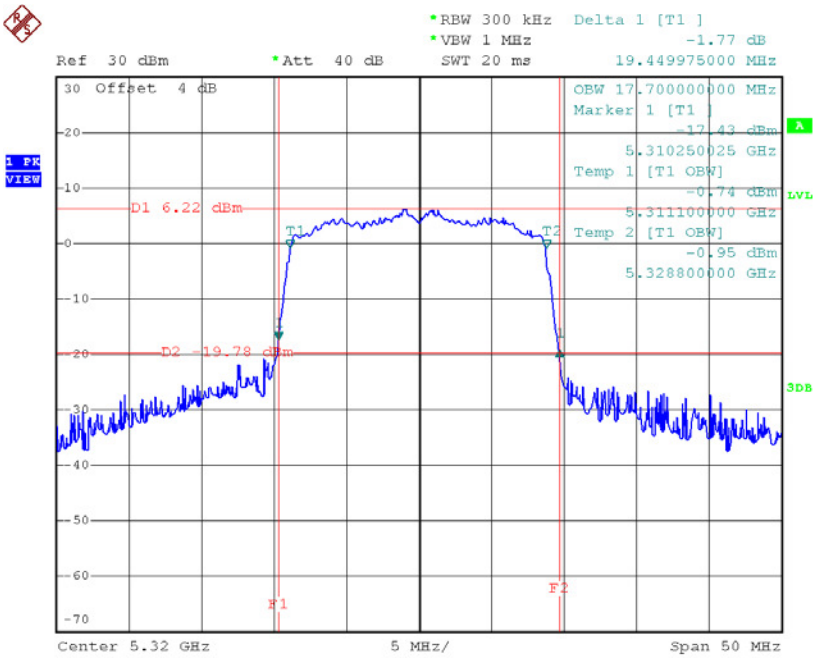
Date: 28.MAR.2017 11:16:29

TX CH60



Date: 28.MAR.2017 11:17:16

TX CH64

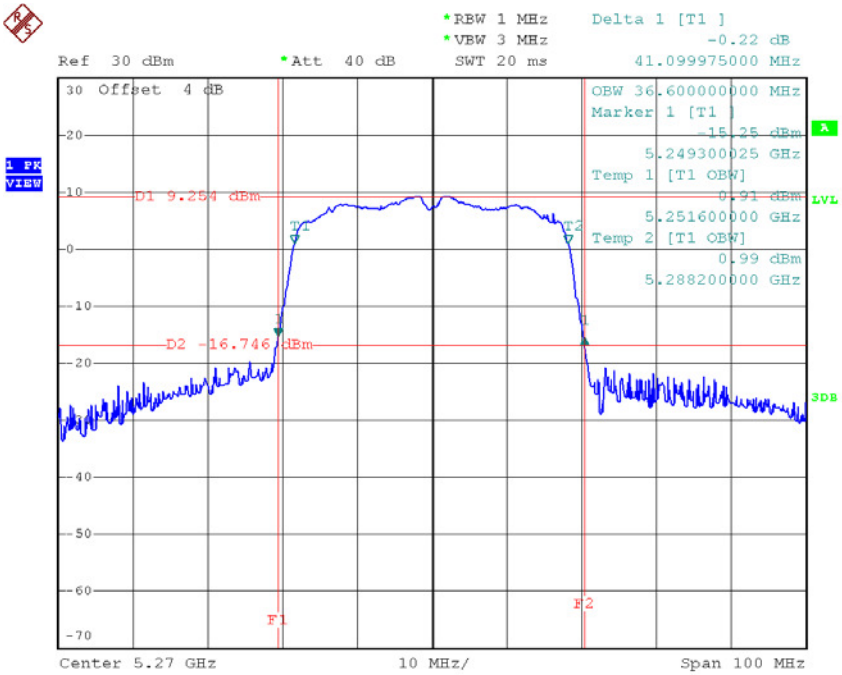


Date: 28.MAR.2017 11:18:09

Test Mode: UNII-2A/TX N40 Mode_CH54/CH62

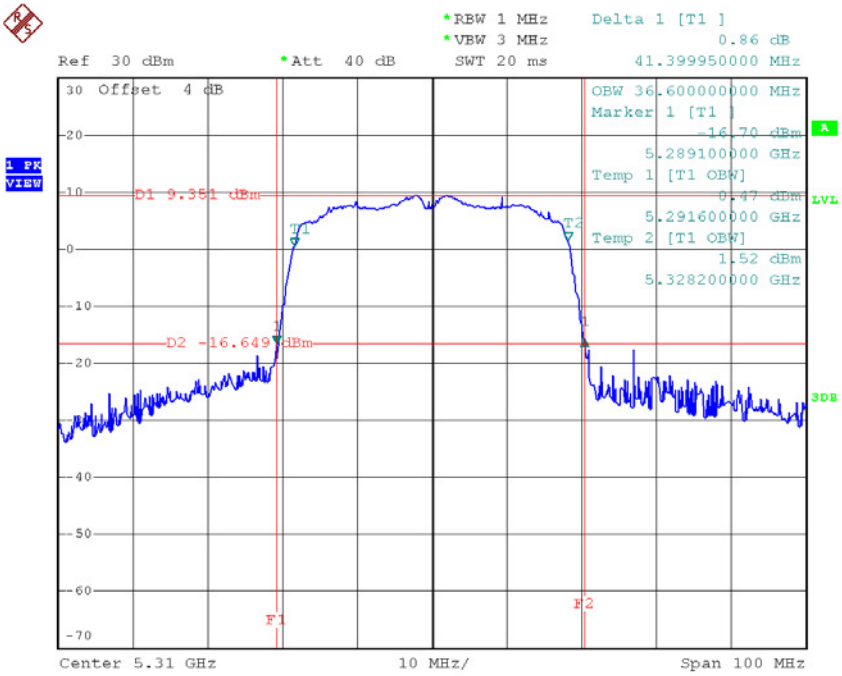
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH54	5270	41.10	36.60
CH62	5310	41.40	36.60

TX CH54



Date: 28.MAR.2017 11:28:34

TX CH62

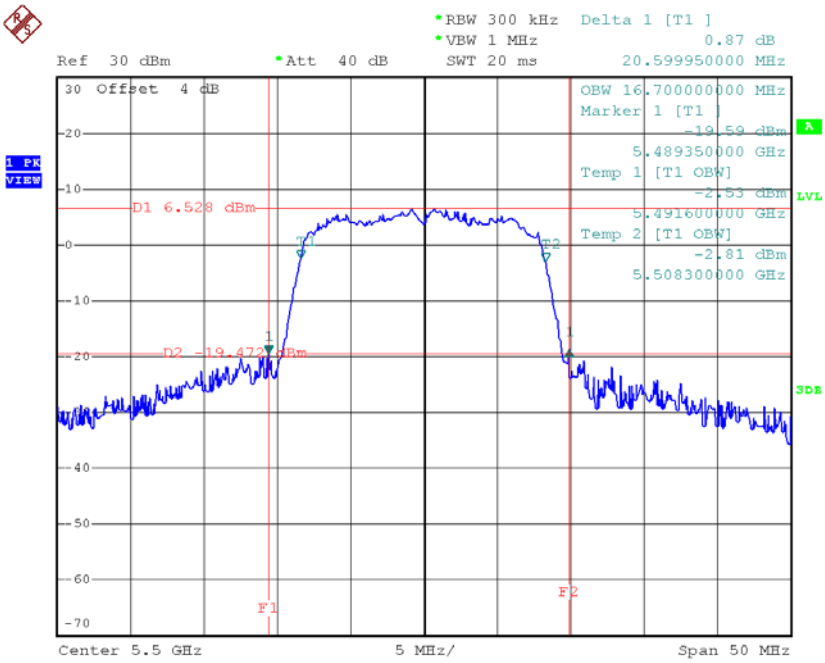


Date: 28.MAR.2017 11:30:17

Test Mode: UNII-2C/TX A Mode_CH100/CH116/CH140

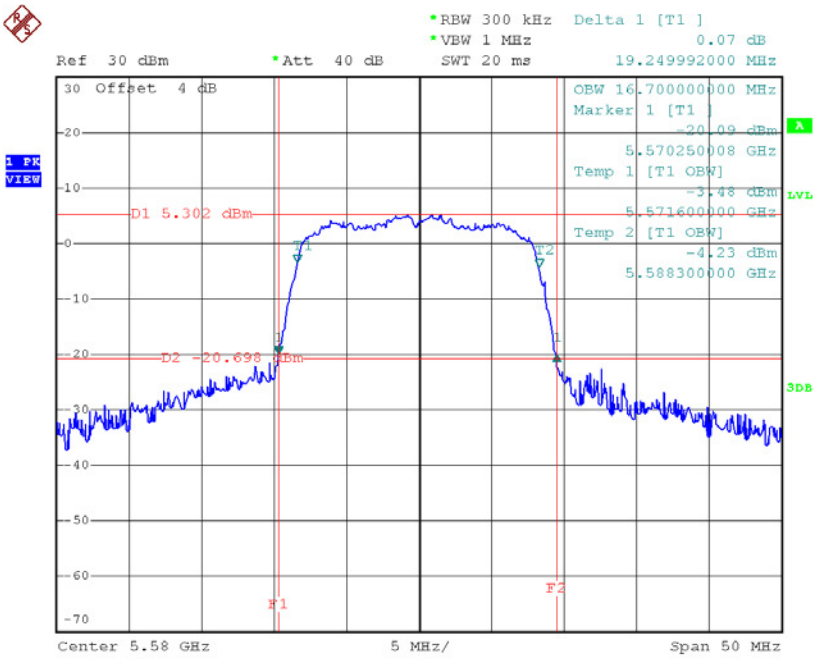
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	20.60	16.70
CH116	5580	19.25	16.70
CH140	5700	23.65	16.70

TX CH100



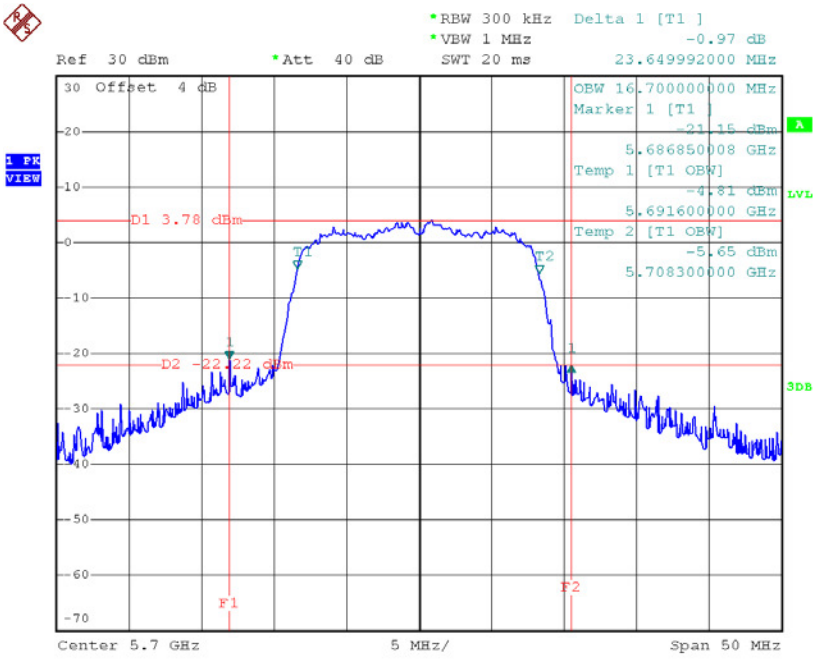
Date: 28.MAR.2017 11:08:35

TX CH116



Date: 28.MAR.2017 11:09:28

TX CH140

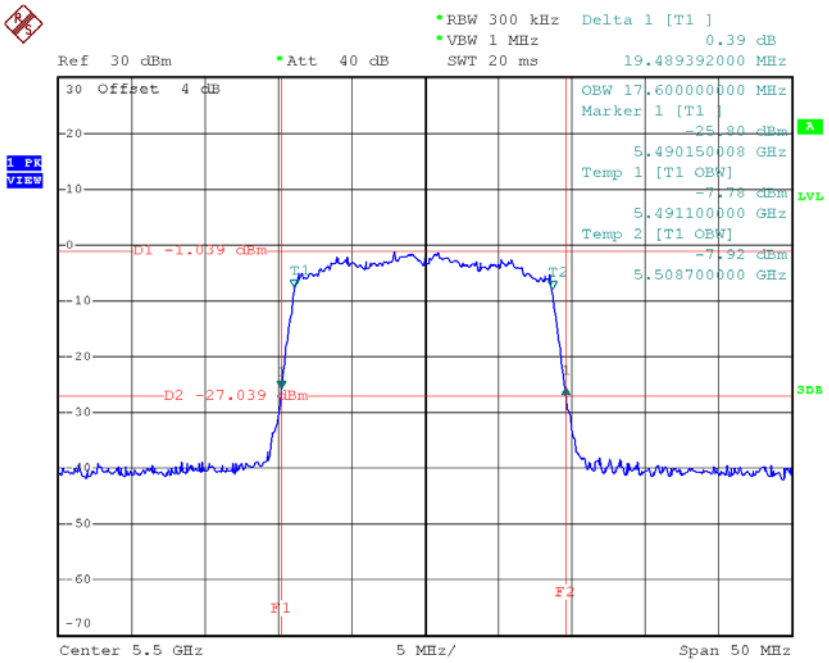


Date: 28.MAR.2017 11:10:25

Test Mode: UNII-2C/TX N20 Mode_CH100/CH116/CH140

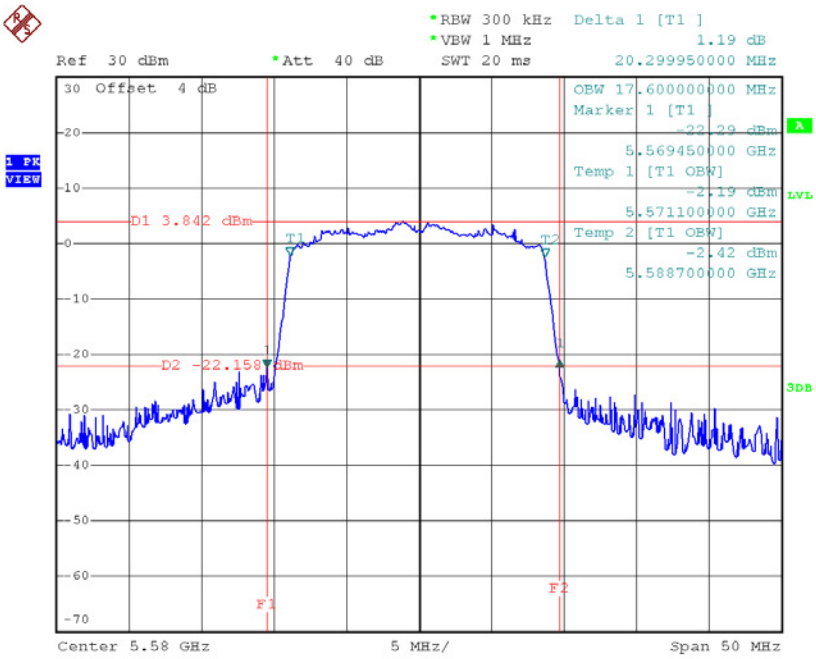
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH100	5500	19.49	17.60
CH116	5580	20.30	17.60
CH140	5700	22.09	17.70

TX CH100



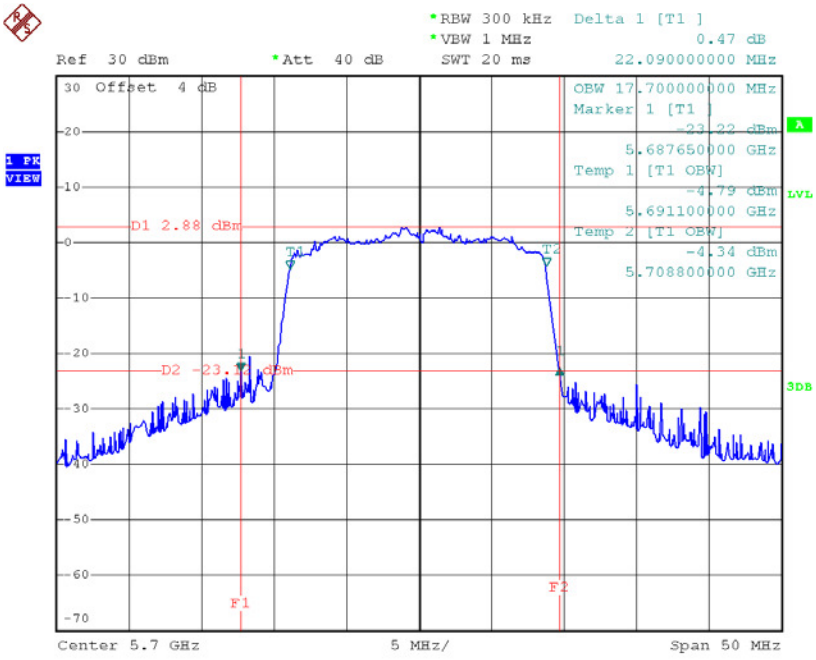
Date: 28.MAR.2017 11:18:54

TX CH116



Date: 28.MAR.2017 11:19:48

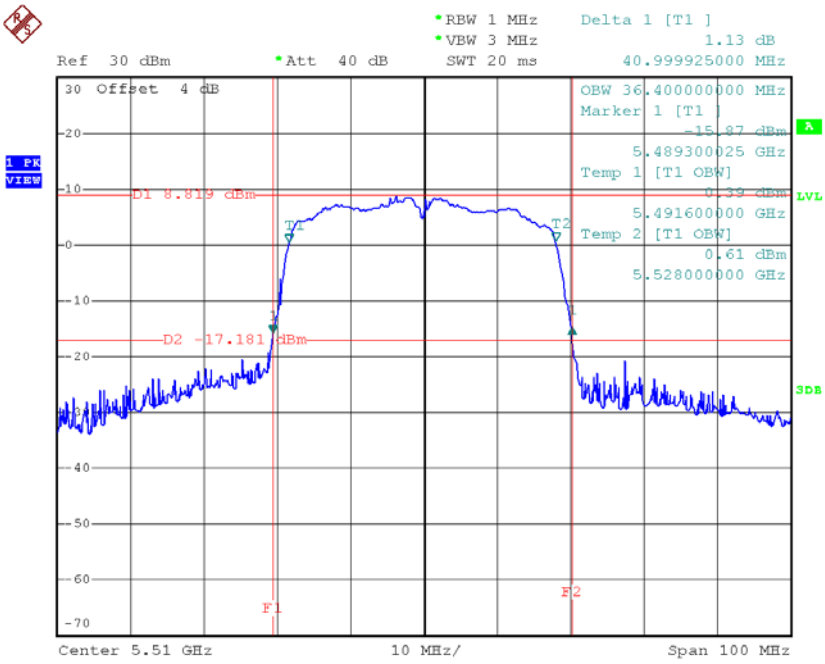
TX CH140



Date: 28.MAR.2017 11:21:05

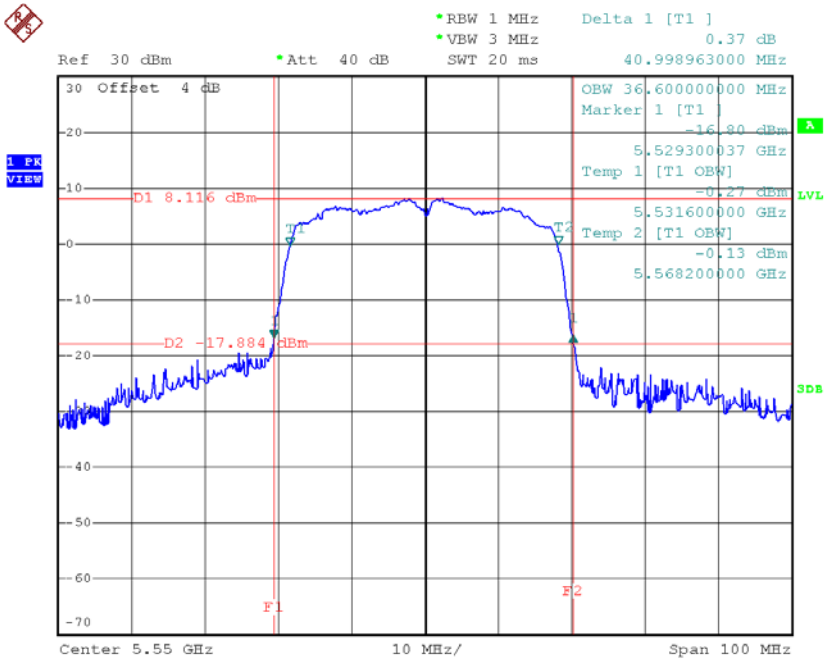
Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134			
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
CH102	5510	41.00	36.40
CH110	5550	41.00	36.60
CH134	5670	41.39	36.60

TX CH102



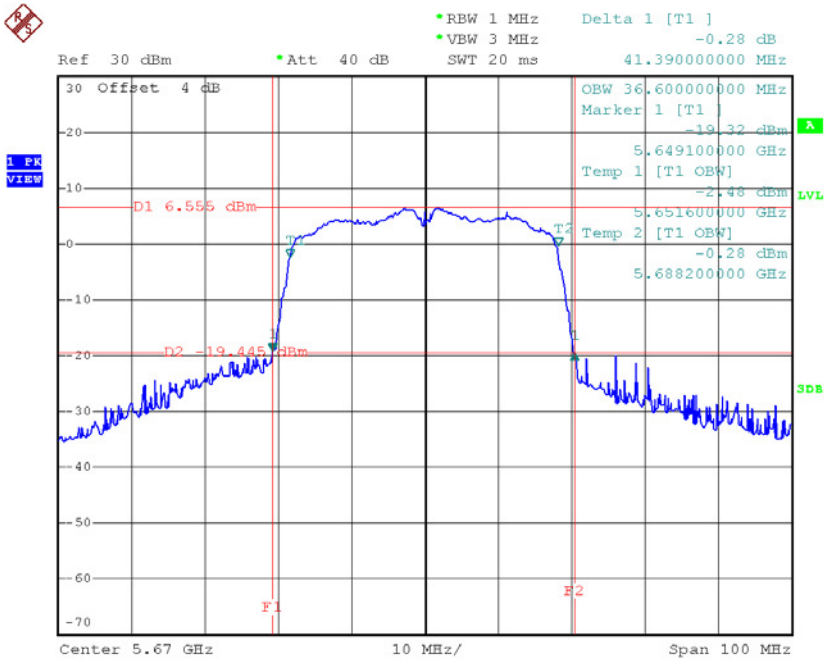
Date: 28.MAR.2017 11:31:07

TX CH110



Date: 28.MAR.2017 11:32:10

TX CH134

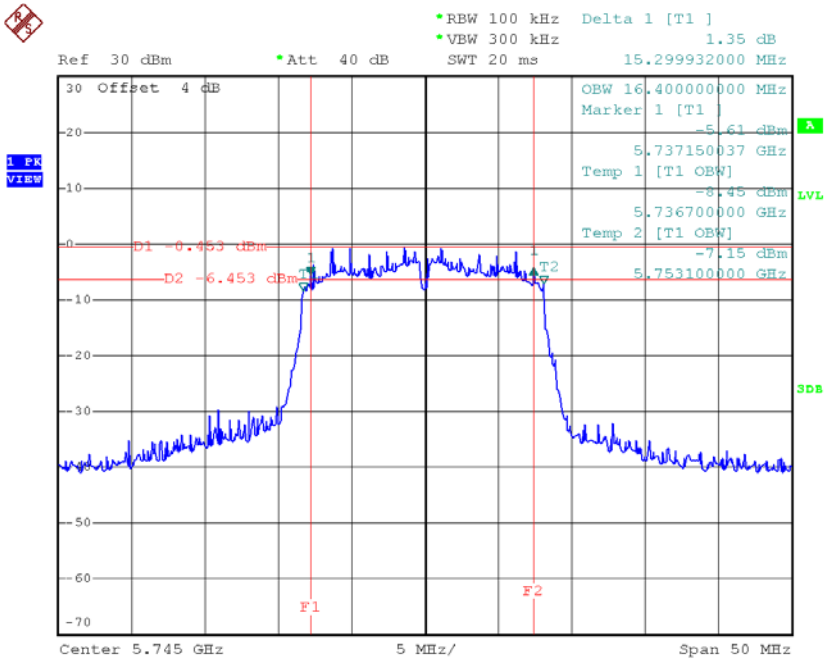


Date: 28.MAR.2017 11:33:31

Test Mode: UNII-3/ TX A Mode_CH149/CH157/CH165

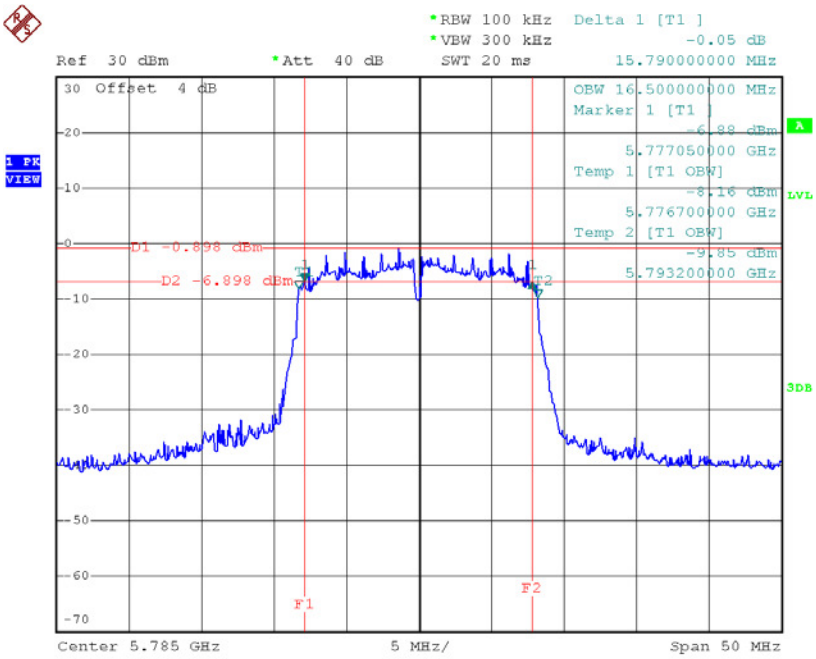
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	15.30	16.40	>=500
CH157	5785	15.79	16.50	>=500
CH165	5825	15.10	16.40	>=500

TX CH 149



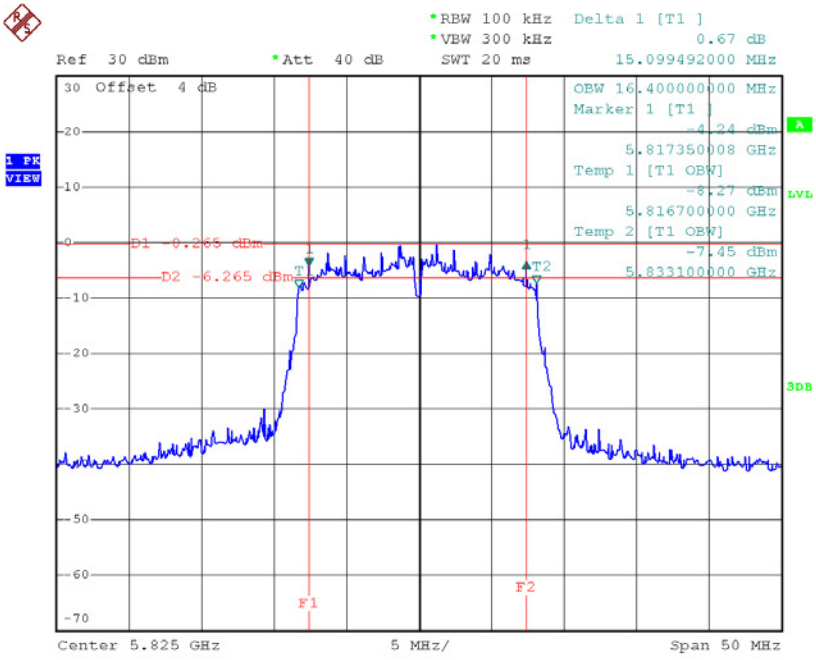
Date: 28.MAR.2017 11:11:19

TX CH 157



Date: 28.MAR.2017 11:12:11

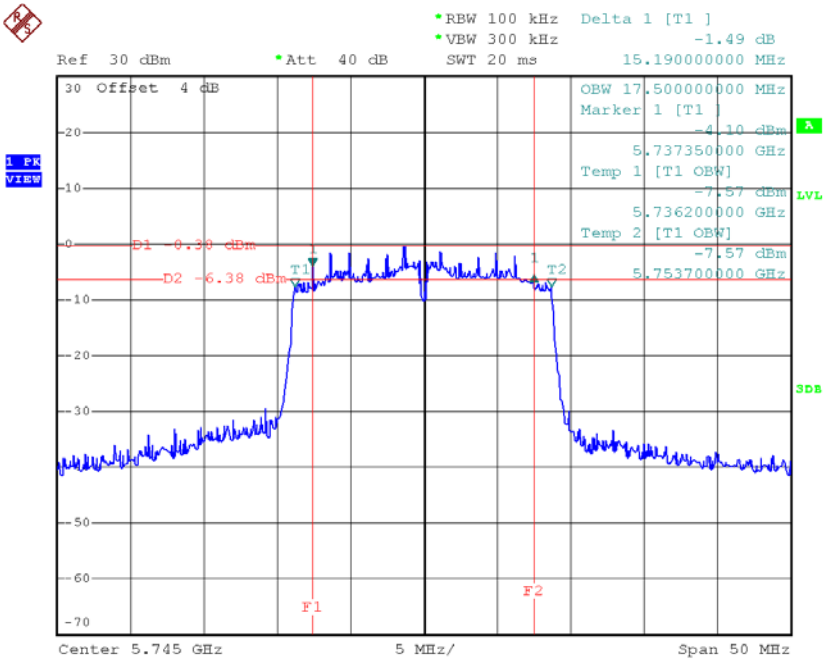
TX CH 165



Date: 28.MAR.2017 11:13:05

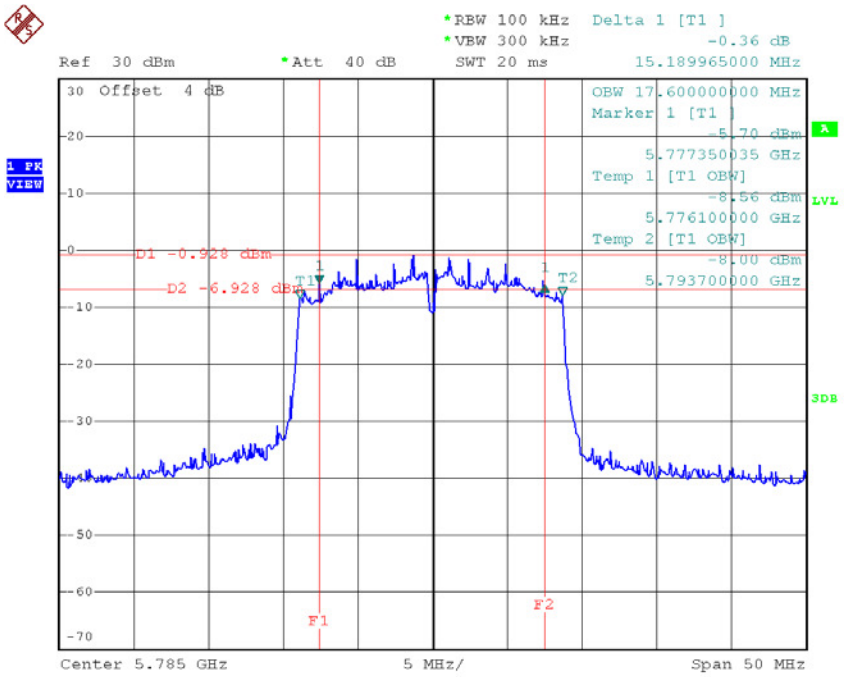
Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165				
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH149	5745	15.19	17.50	>=500
CH157	5785	15.19	17.60	>=500
CH165	5825	15.19	17.60	>=500

TX CH 149



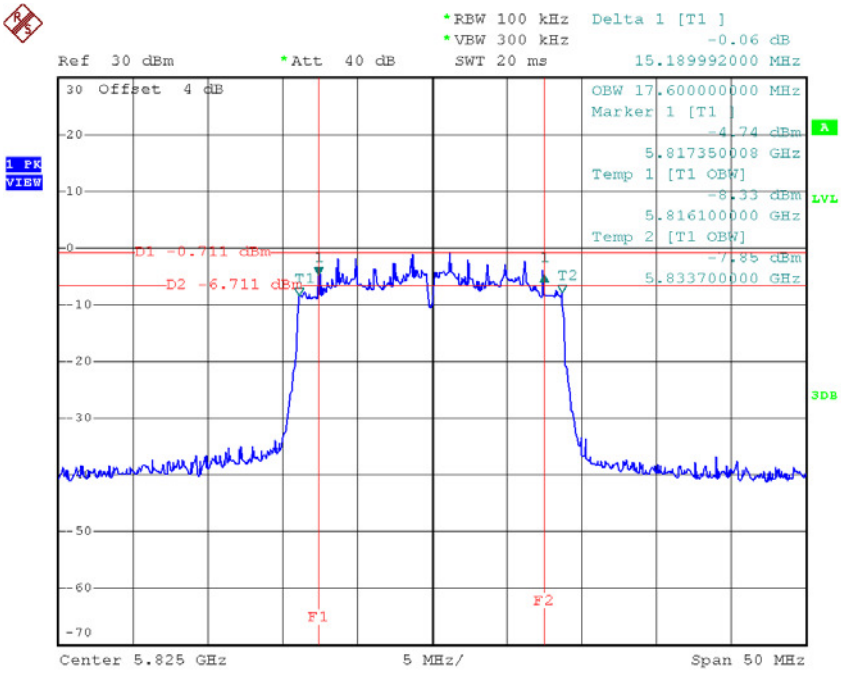
Date: 28.MAR.2017 11:50:13

TX CH 157



Date: 28.MAR.2017 11:22:59

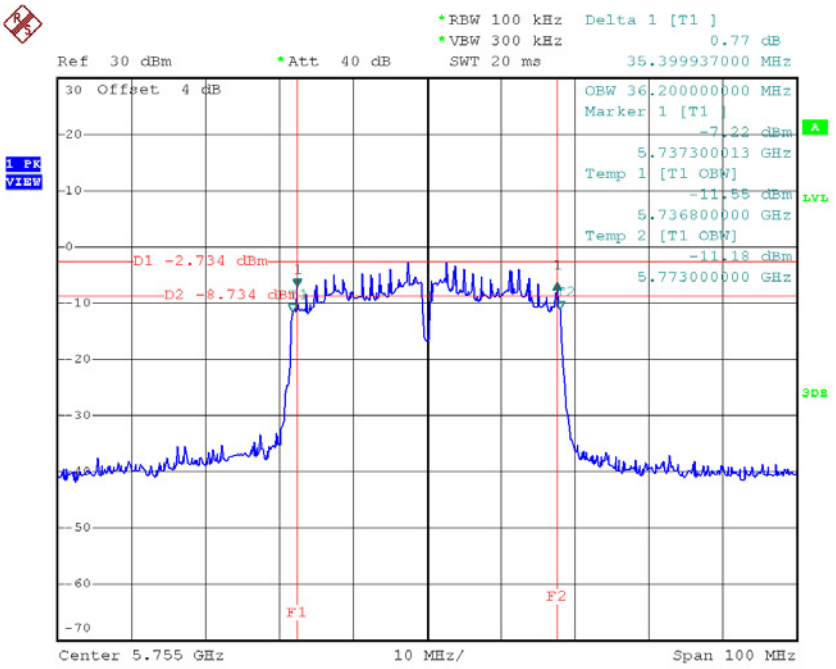
TX CH 165



Date: 28.MAR.2017 11:24:09

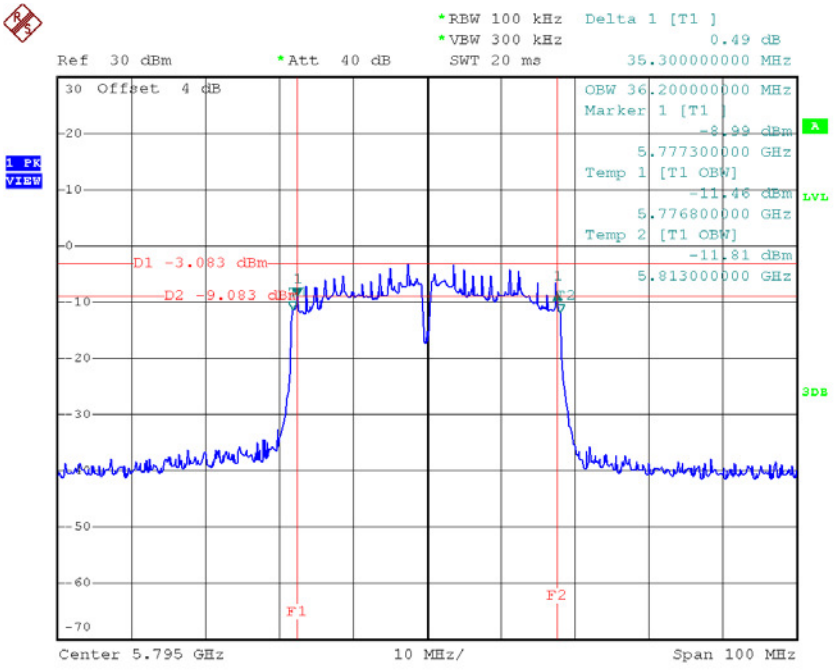
Test Mode: UNII-3/ TX N40 Mode_CH151/CH159				
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit (kHz)
CH151	5755	35.40	36.20	>=500
CH159	5795	35.30	36.20	>=500

TX CH 151



Date: 28.MAR.2017 11:34:26

TX CH 159



Date: 28.MAR.2017 11:35:16

ATTACHMENT F - MAXIMUM OUTPUT POWER

Test Mode: UNII-1/TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	11.45	0.12	11.57	24.00	0.25
CH40	5200	12.72	0.12	12.84	24.00	0.25
CH48	5240	12.32	0.12	12.44	24.00	0.25

Test Mode: UNII-1/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH36	5180	10.83	0.16	10.99	24.00	0.25
CH40	5200	11.09	0.16	11.25	24.00	0.25
CH48	5240	11.65	0.16	11.81	24.00	0.25

Test Mode: UNII-1/TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH38	5190	11.08	0.46	11.54	24.00	0.25
CH46	5230	12.23	0.46	12.69	24.00	0.25

Test Mode: UNII-2A/TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH52	5260	12.51	0.12	12.63	24.00	0.25
CH60	5300	12.71	0.12	12.83	24.00	0.25
CH64	5320	12.72	0.12	12.84	24.00	0.25

Test Mode: UNII-2A/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH52	5260	11.88	0.16	12.04	24.00	0.25
CH60	5300	12.01	0.16	12.17	24.00	0.25
CH64	5320	12.08	0.16	12.24	24.00	0.25

Test Mode: UNII-2A/TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH54	5270	12.01	0.46	12.47	24.00	0.25
CH62	5310	12.23	0.46	12.69	24.00	0.25

Test Mode: UNII-2C/TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH100	5500	12.15	0.12	12.27	24.00	0.25
CH116	5580	10.98	0.12	11.10	24.00	0.25
CH140	5700	8.75	0.12	8.87	24.00	0.25

Test Mode: UNII-2C/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH100	5500	11.01	0.16	11.17	24.00	0.25
CH116	5580	9.91	0.16	10.07	24.00	0.25
CH140	5700	7.64	0.16	7.80	24.00	0.25

Test Mode: UNII-2C/TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH102	5510	11.01	0.46	11.47	24.00	0.25
CH110	5550	10.47	0.46	10.93	24.00	0.25
CH134	5670	8.24	0.46	8.70	24.00	0.25

Test Mode: UNII-3/ TX A Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	8.53	0.12	8.65	30.00	1.00
CH157	5785	8.54	0.12	8.66	30.00	1.00
CH165	5825	8.80	0.12	8.92	30.00	1.00

Test Mode: UNII-3/TX N20 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH149	5745	7.85	0.16	8.01	30.00	1.00
CH157	5785	7.84	0.16	8.00	30.00	1.00
CH165	5825	8.12	0.16	8.28	30.00	1.00

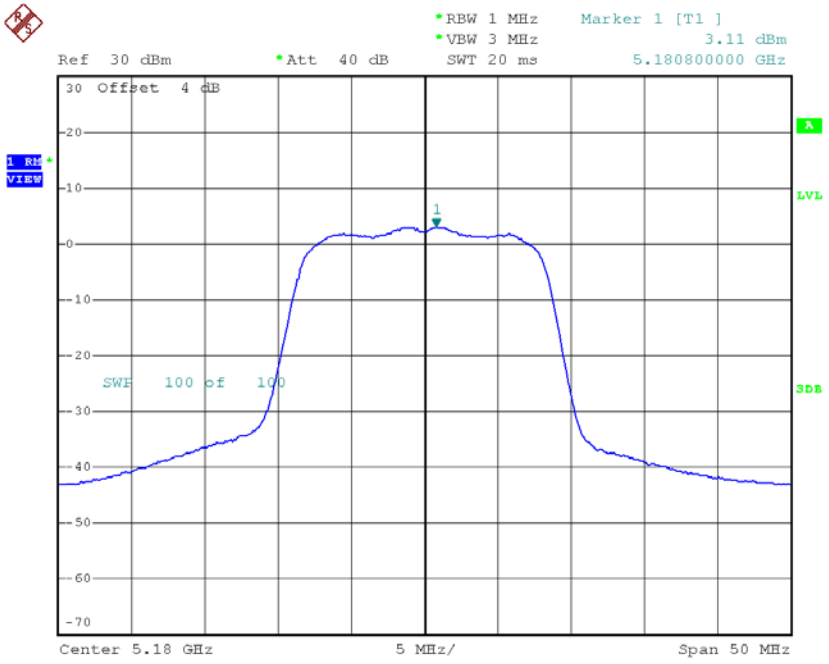
Test Mode: UNII-3/ TX N40 Mode						
Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Limit (dBm)	Limit (Watt)
CH151	5755	8.06	0.46	8.52	30.00	1.00
CH159	5795	8.06	0.46	8.52	30.00	1.00

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode: UNII-1/ TX A Mode_CH36/CH40/CH48

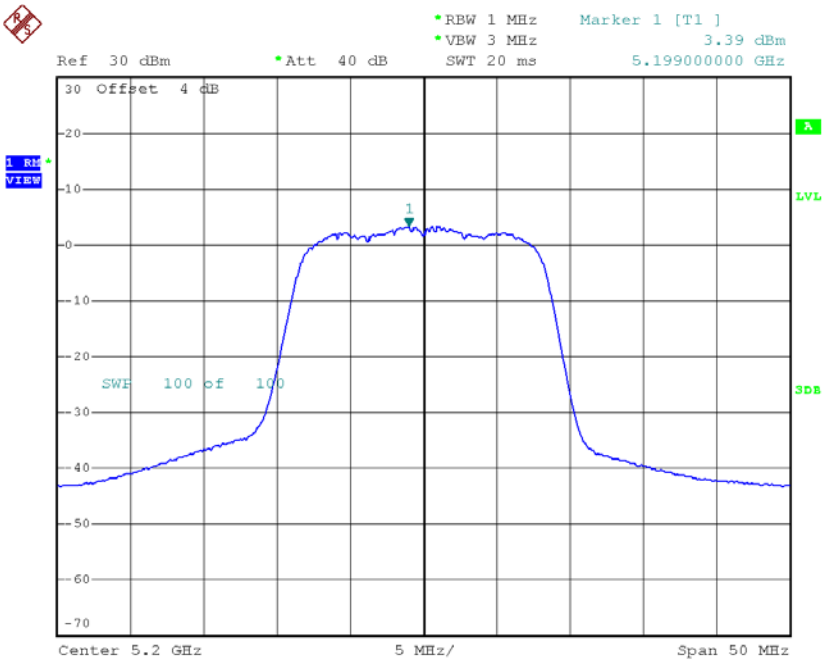
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	3.11	0.12	3.23	11.00
CH40	5200	3.39	0.12	3.51	11.00
CH48	5240	3.58	0.12	3.70	11.00

CH36



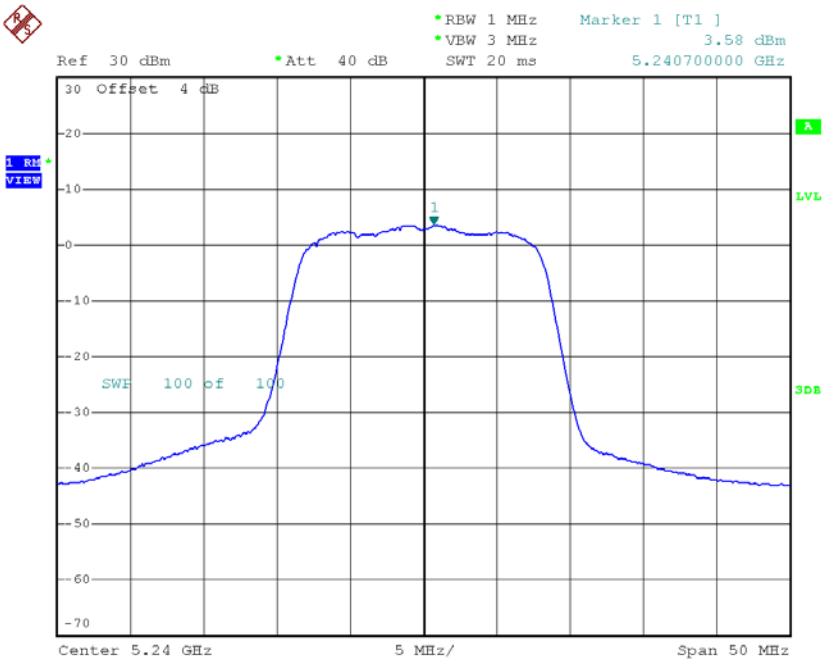
Date: 28.MAR.2017 10:46:44

CH40



Date: 28.MAR.2017 10:47:39

CH48

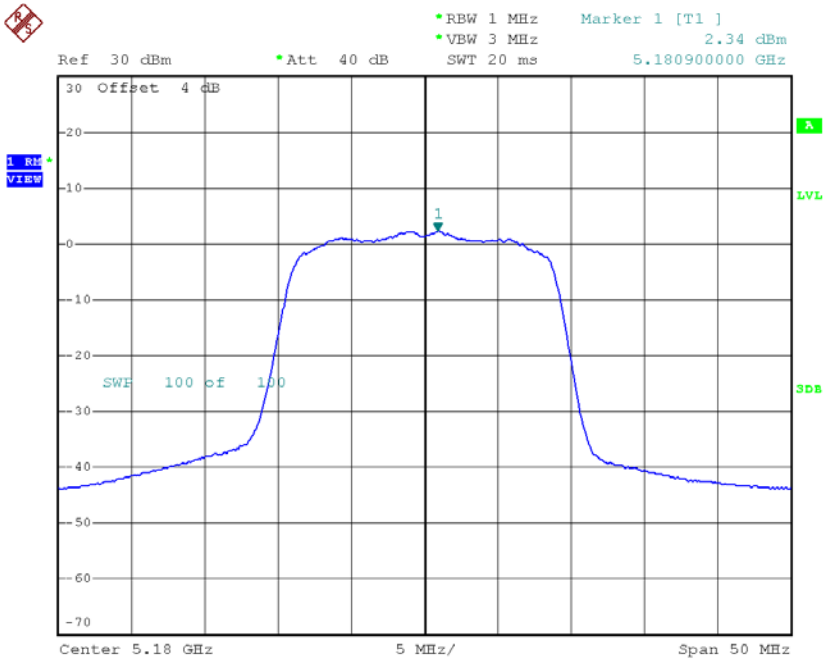


Date: 28.MAR.2017 10:48:38

Test Mode: UNII-1/TX N20 Mode_CH36/CH40/CH48

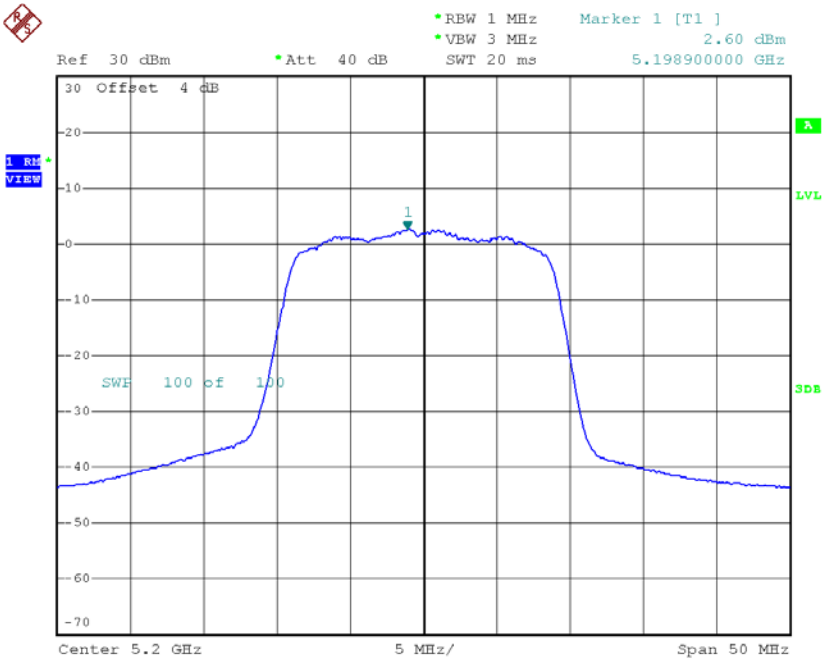
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH36	5180	2.34	0.16	2.50	11.00
CH40	5200	2.60	0.16	2.76	11.00
CH48	5240	2.84	0.16	3.00	11.00

CH36



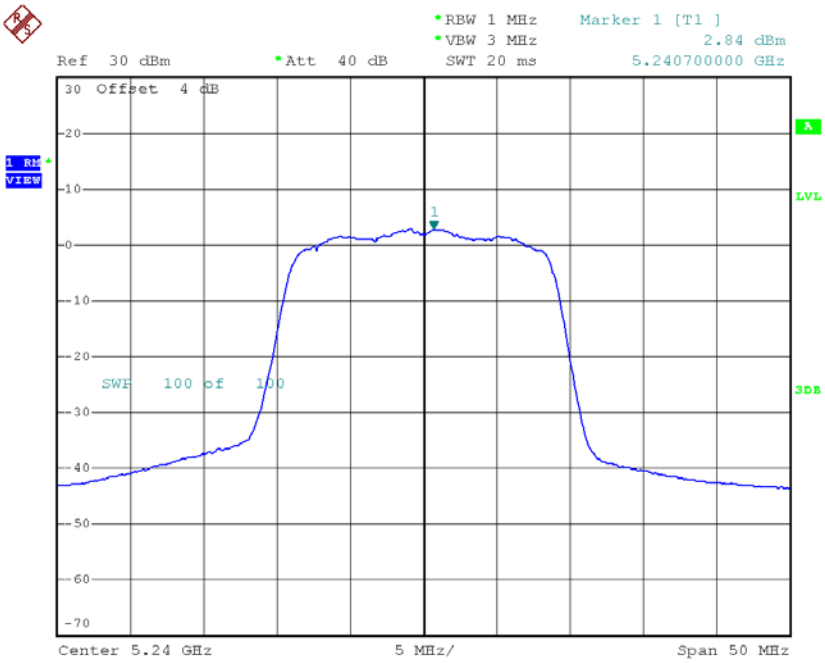
Date: 28.MAR.2017 11:14:06

CH40



Date: 28.MAR.2017 11:15:03

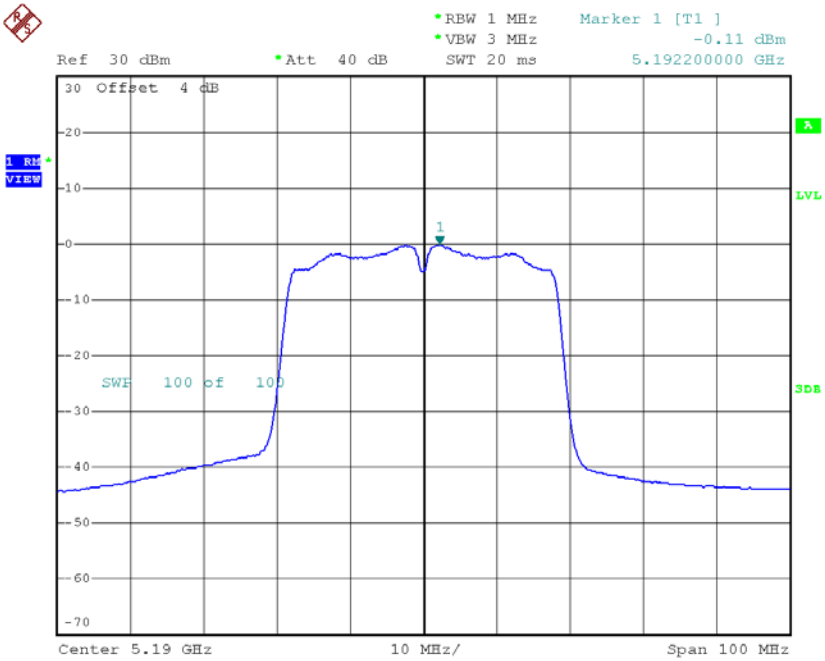
CH48



Date: 28.MAR.2017 11:15:53

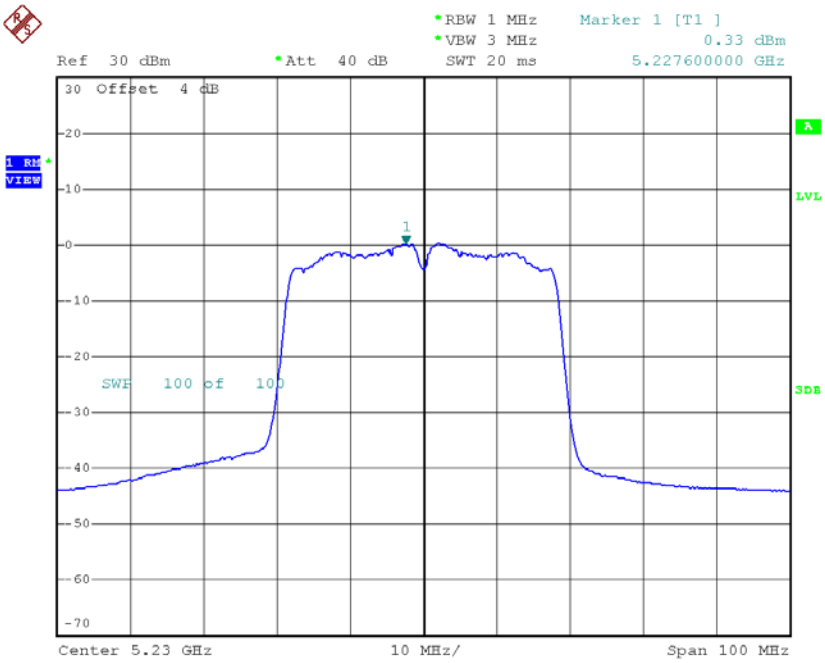
Test Mode: UNII-1/TX N40 Mode_CH38/CH46					
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH38	5190	-0.11	0.46	0.35	11.00
CH46	5230	0.33	0.46	0.79	11.00

CH38



Date: 28.MAR.2017 11:25:14

CH46

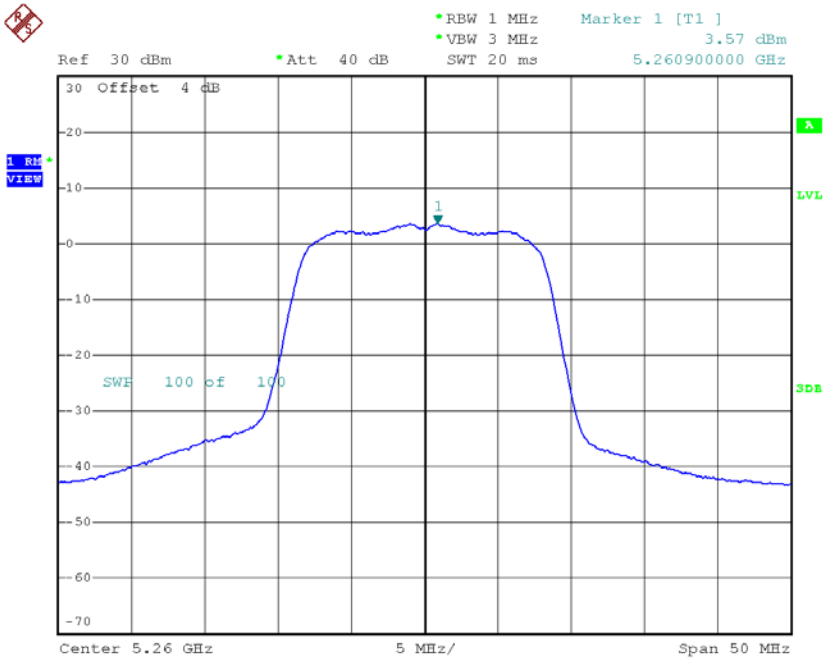


Date: 28.MAR.2017 11:26:15

Test Mode: UNII-2A/ TX A Mode_CH52/CH60/CH64

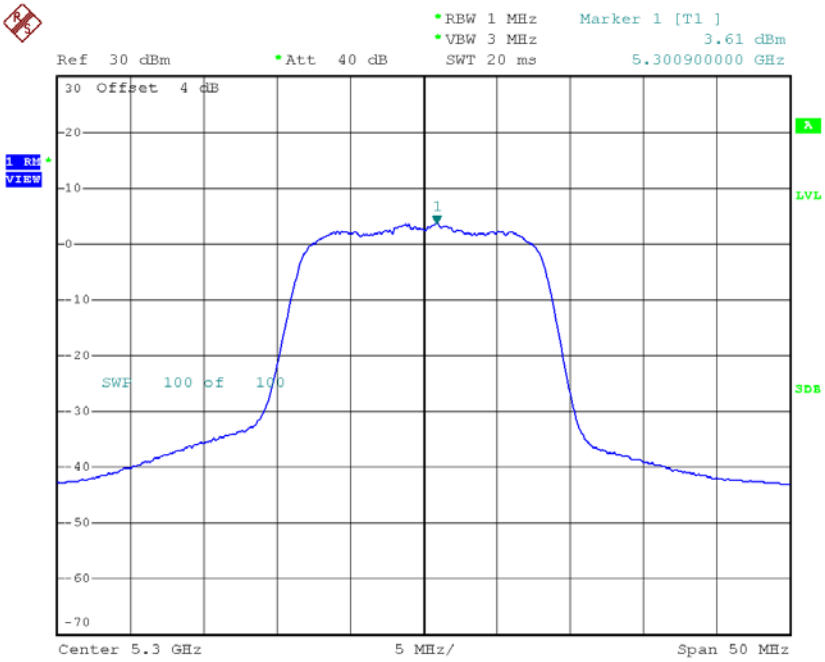
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH52	5260	3.57	0.12	3.69	11.00
CH60	5300	3.61	0.12	3.73	11.00
CH64	5320	3.50	0.12	3.62	11.00

CH52



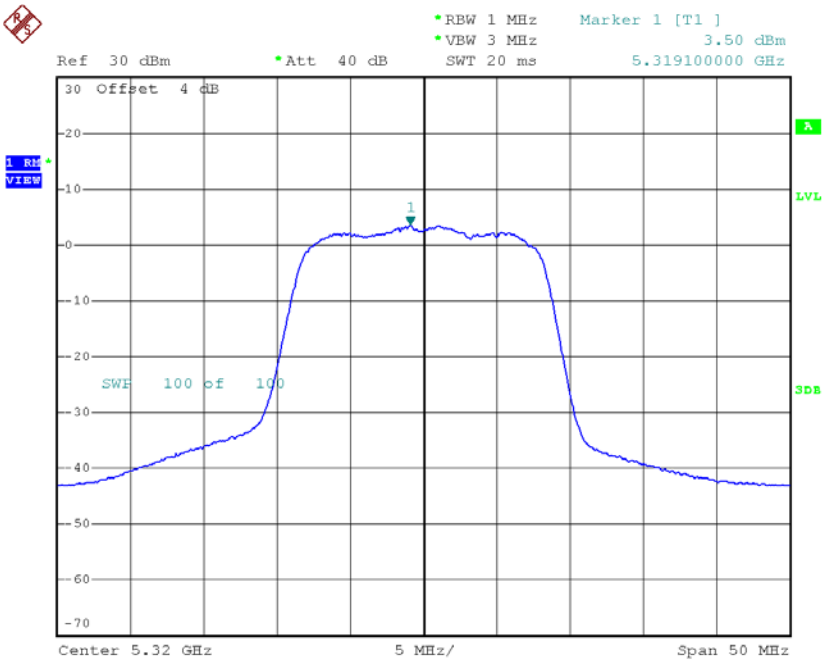
Date: 28.MAR.2017 10:49:40

CH60



Date: 28.MAR.2017 10:50:35

CH64

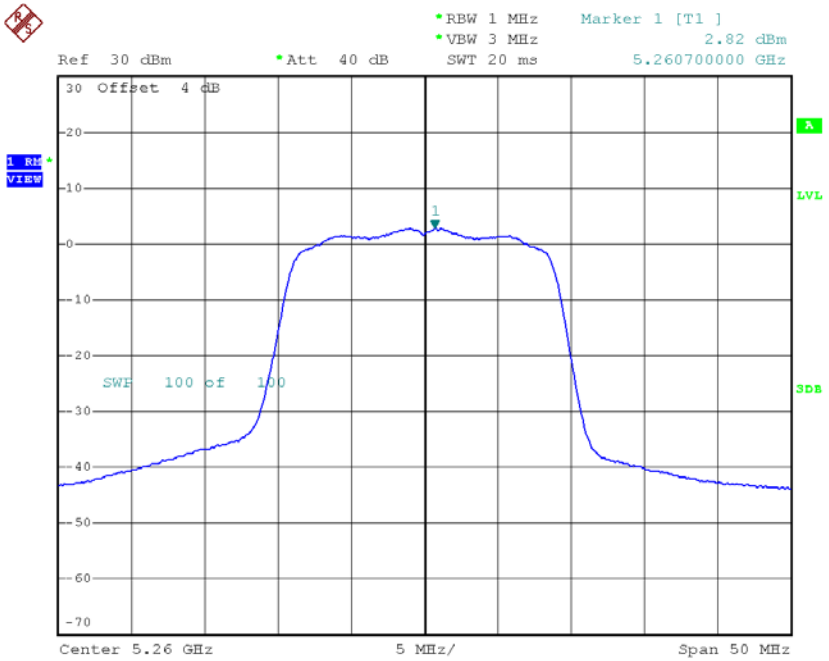


Date: 28.MAR.2017 10:51:26

Test Mode: UNII-2A/TX N20 Mode_CH52/CH60/CH64

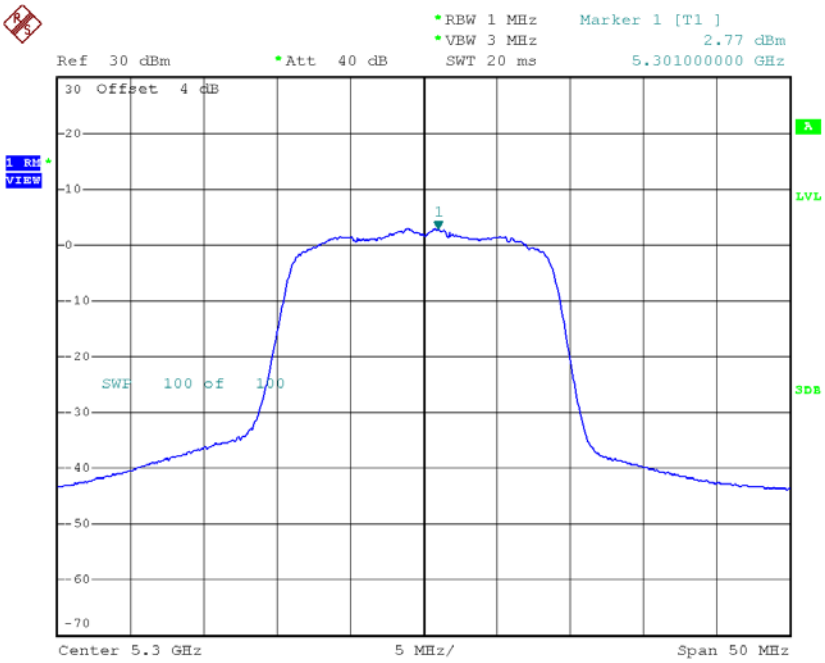
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH52	5260	2.82	0.16	2.98	11.00
CH60	5300	2.77	0.16	2.93	11.00
CH64	5320	2.73	0.16	2.89	11.00

CH52



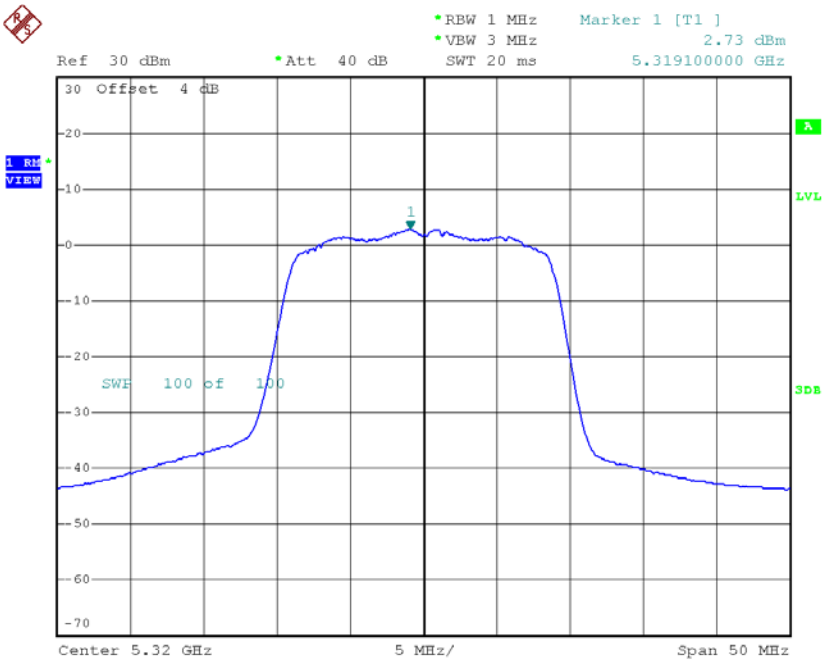
Date: 28.MAR.2017 11:16:39

CH60



Date: 28.MAR.2017 11:17:25

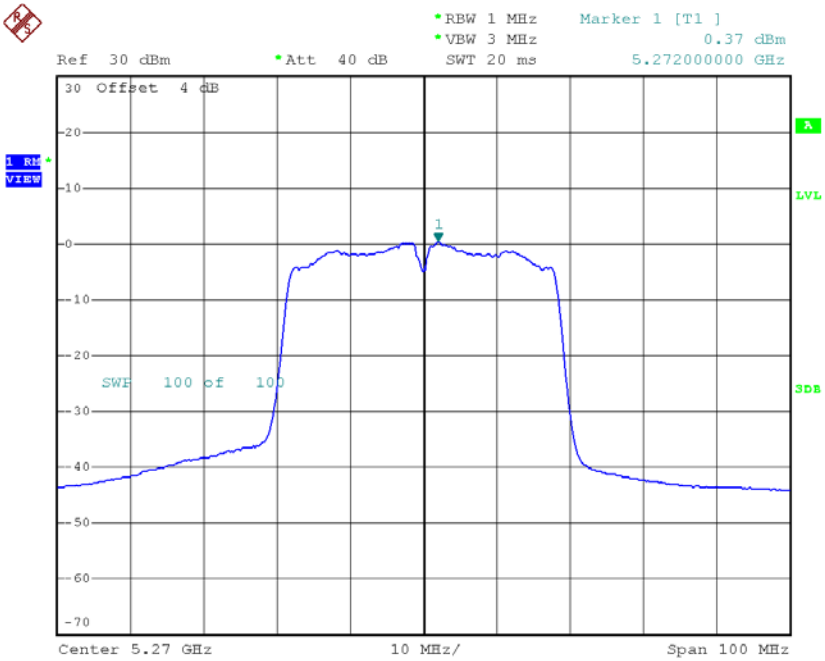
CH64



Date: 28.MAR.2017 11:18:18

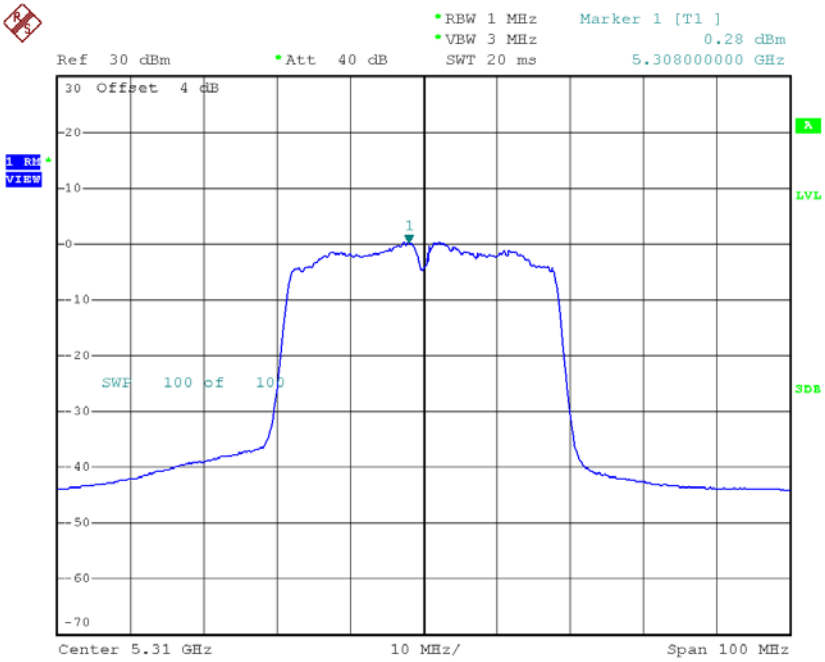
Test Mode: UNII-2A/TX N40 Mode_CH54/CH62					
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH54	5270	0.37	0.46	0.83	11.00
CH62	5310	0.28	0.46	0.74	11.00

CH54



Date: 28.MAR.2017 11:28:47

CH62

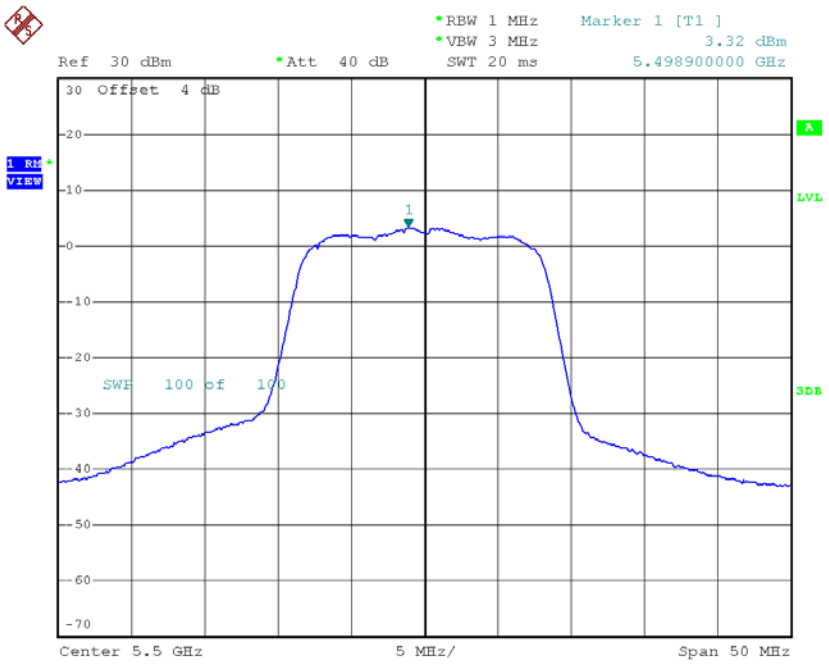


Date: 28.MAR.2017 11:30:29

Test Mode: UNII-2C/ TX A Mode_CH100/CH116/CH140

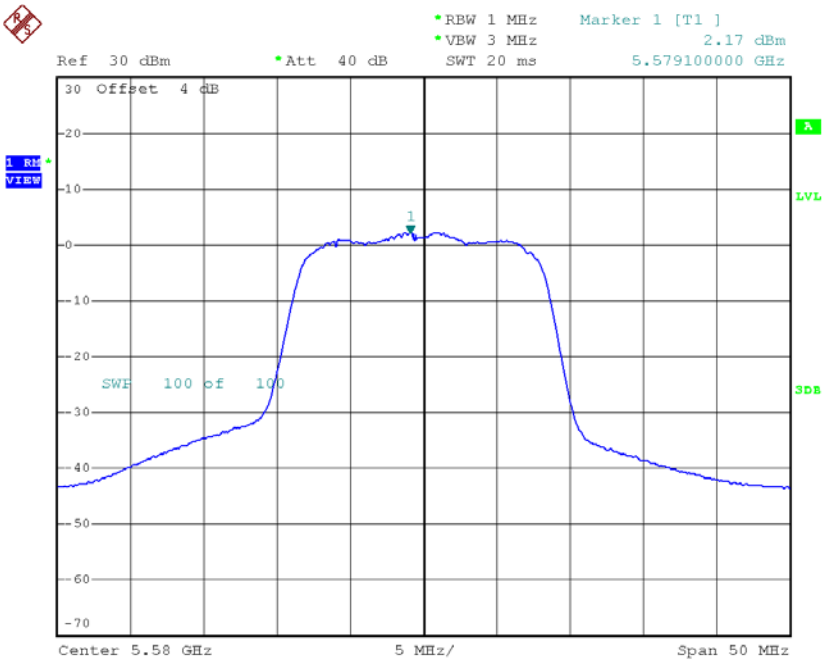
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH100	5500	3.32	0.12	3.44	11.00
CH116	5580	2.17	0.12	2.29	11.00
CH140	5700	0.72	0.12	0.84	11.00

CH100



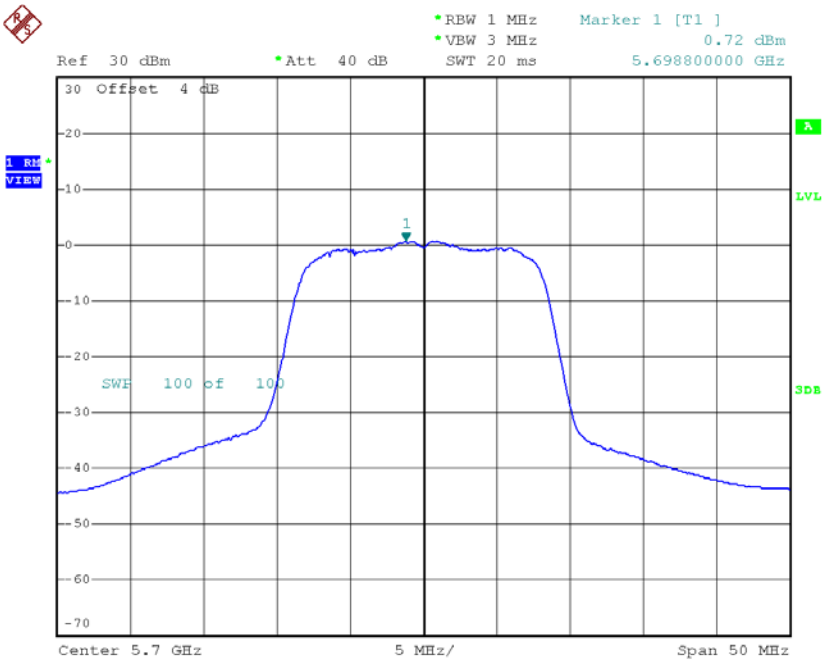
Date: 28.MAR.2017 11:08:45

CH116



Date: 28.MAR.2017 11:09:38

CH140

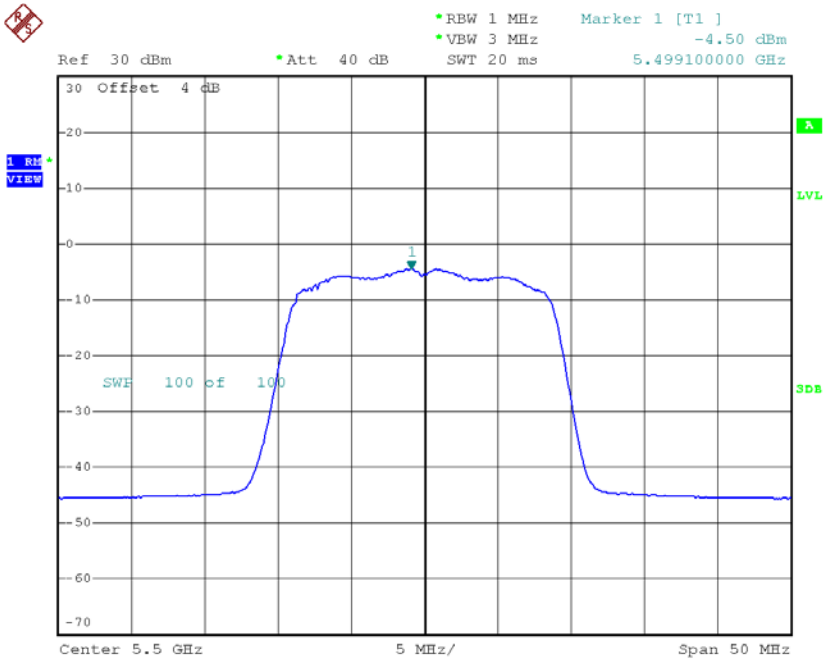


Date: 28.MAR.2017 11:10:35

Test Mode: UNII-2C/TX N20 Mode_CH100/CH116/CH140

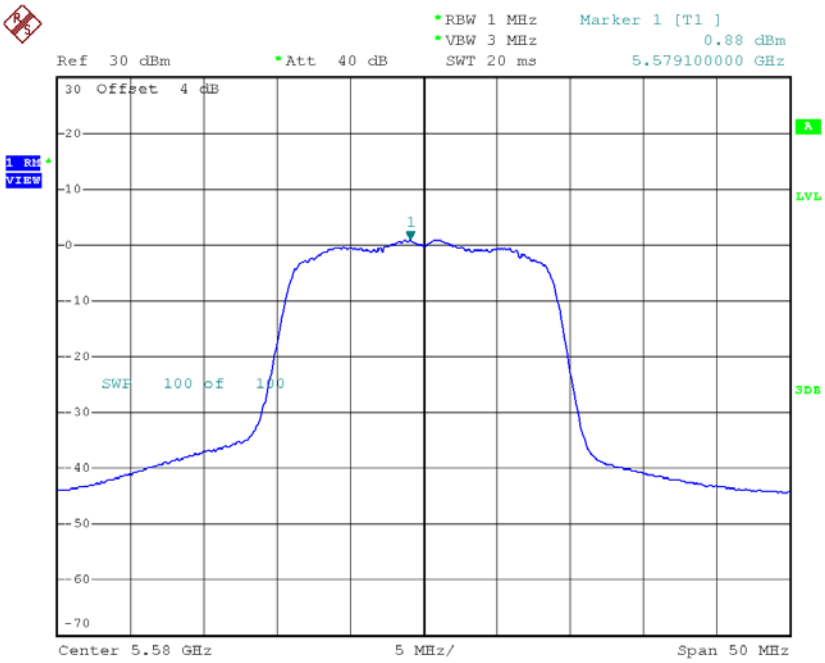
Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH100	5500	-4.50	0.16	-4.34	11.00
CH116	5580	0.88	0.16	1.04	11.00
CH140	5700	-0.55	0.16	-0.39	11.00

CH100



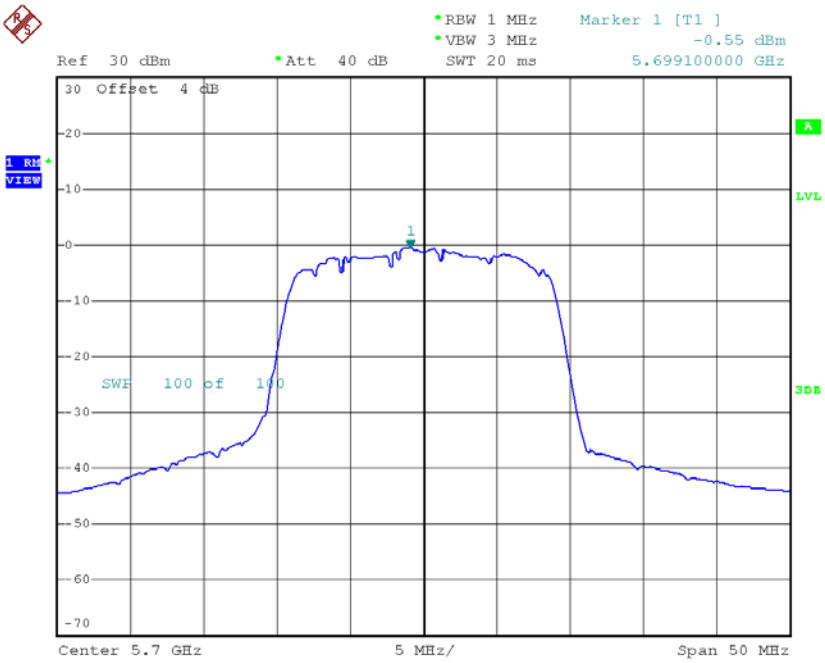
Date: 28.MAR.2017 11:19:04

CH116



Date: 28.MAR.2017 11:19:57

CH140

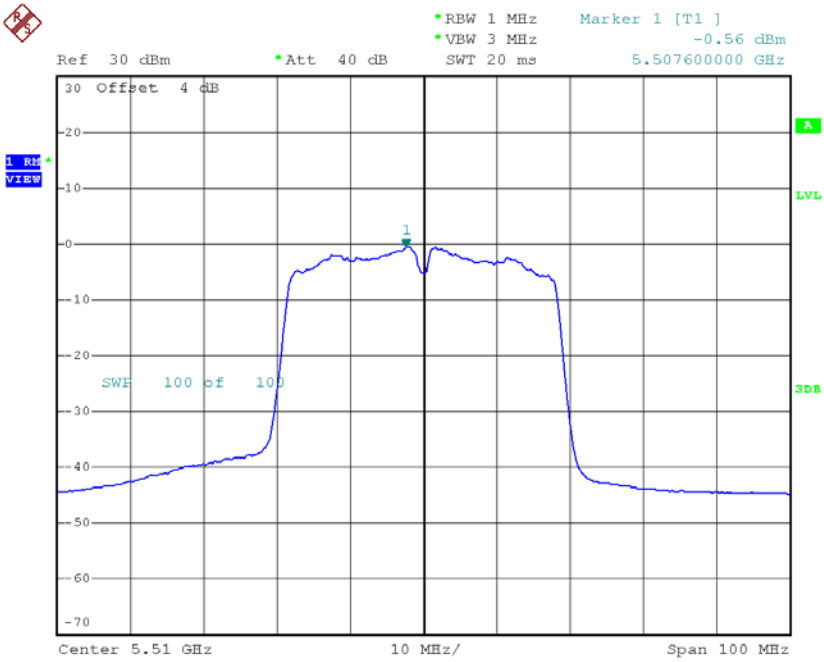


Date: 28.MAR.2017 11:21:14

Test Mode: UNII-2C/TX N40 Mode_CH102/CH110/CH134

Channel	Frequency (MHz)	Power Density (dBm/MHz)	Duty Factor	Power Density + Duty Factor (dBm/MHz)	Limit (dBm/MHz)
CH102	5510	-0.56	0.46	-0.10	11.00
CH110	5550	-1.19	0.46	-0.73	11.00
CH134	5670	-2.91	0.46	-2.45	11.00

CH102



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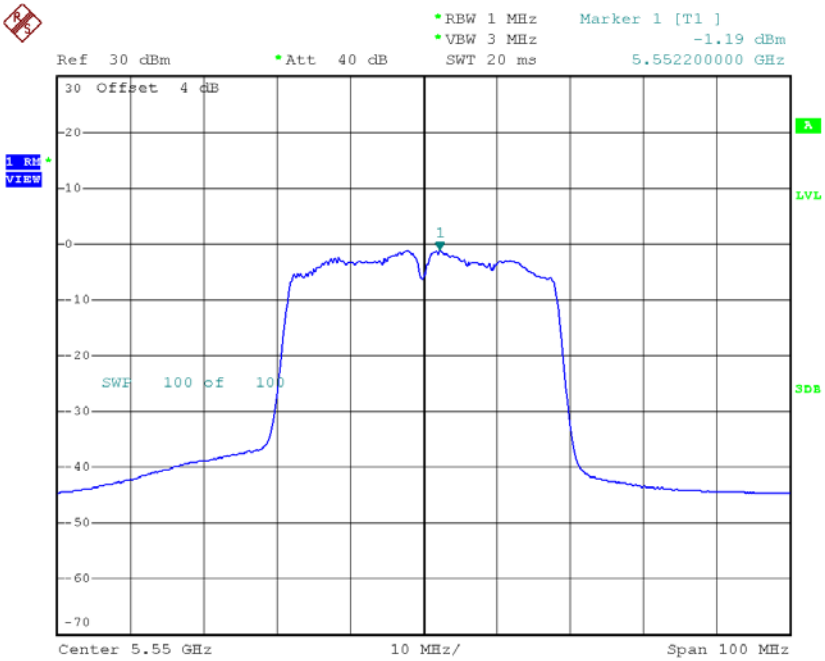
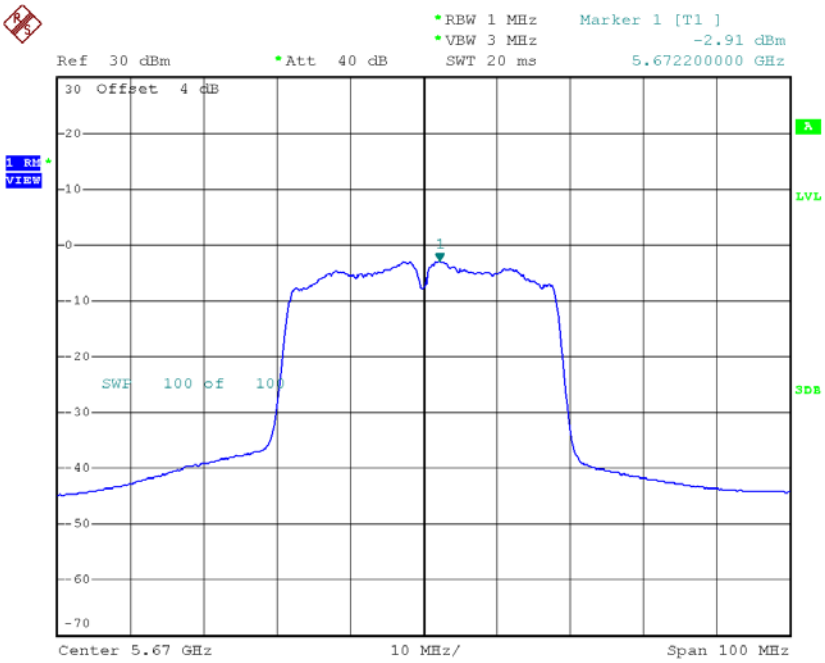
CH110



Date: 28.MAR.2017 11:32:23

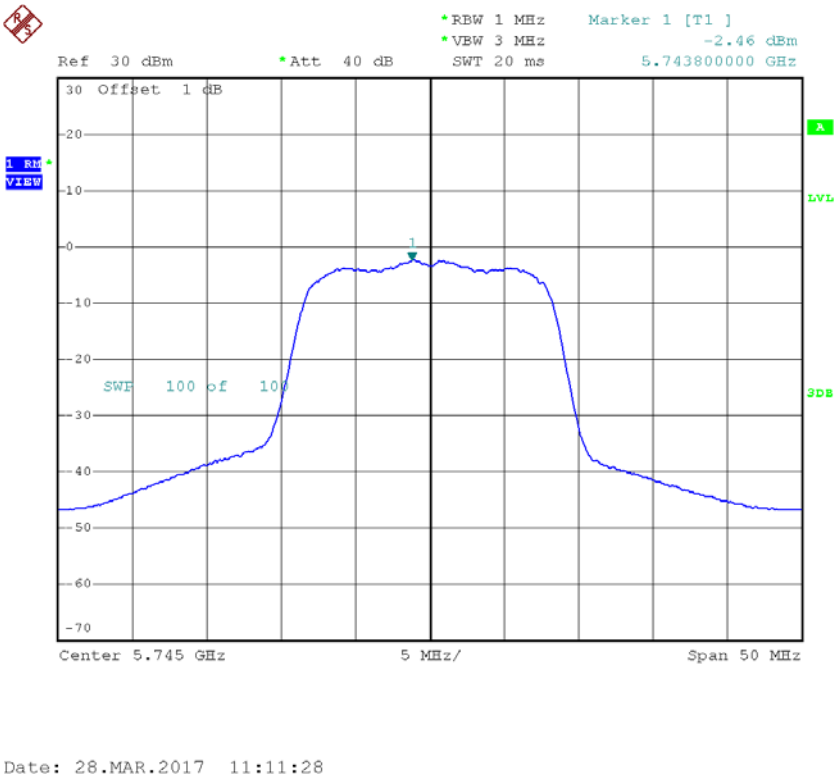
CH134



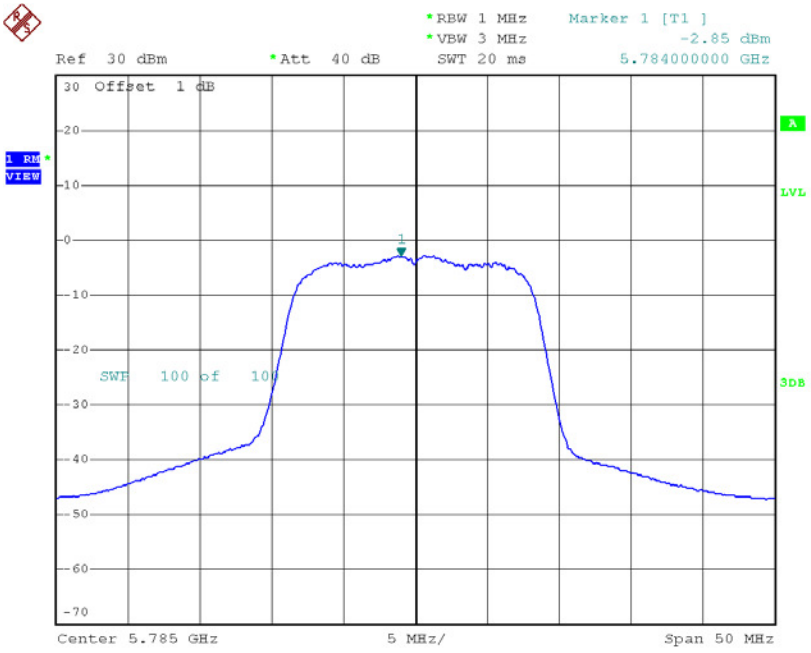
Date: 28.MAR.2017 11:33:43

Test Mode: UNII-3/TX A Mode_CH149/CH157/CH165					
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	-2.46	0.12	-2.34	30.00
CH157	5785	-2.85	0.12	-2.73	30.00
CH165	5825	-2.99	0.12	-2.87	30.00

TX CH149

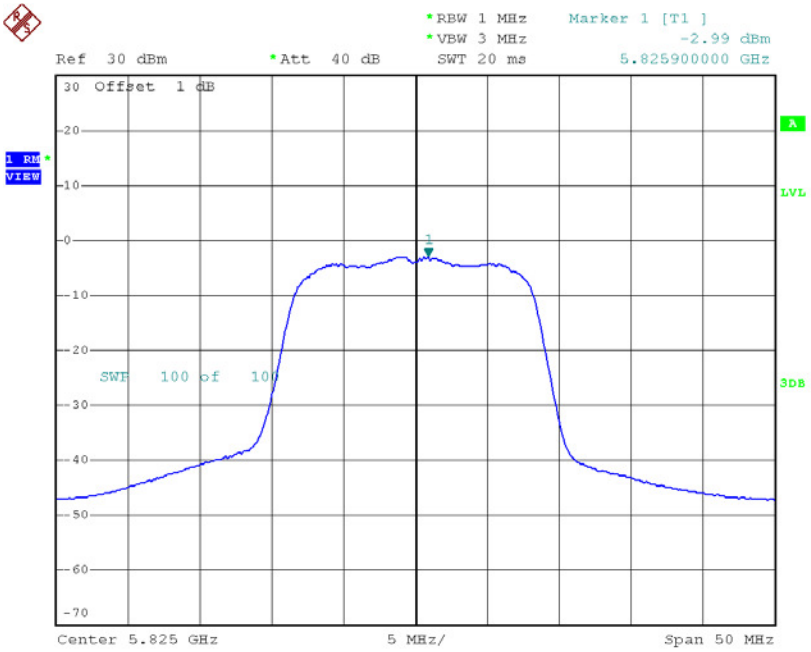


TX CH157



Date: 28.MAR.2017 11:12:20

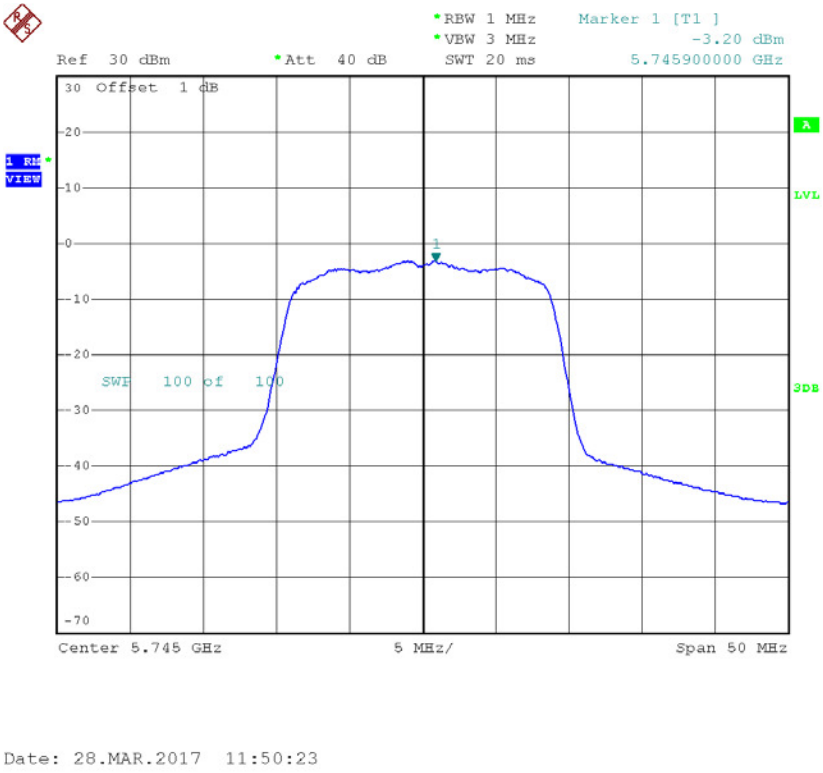
TX CH165



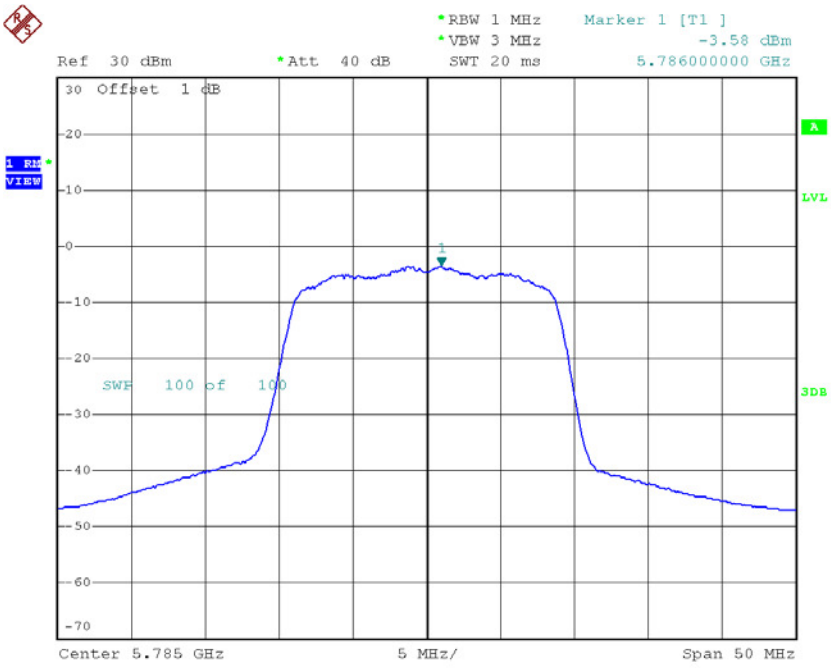
Date: 28.MAR.2017 11:13:14

Test Mode: UNII-3/ TX N20 Mode_CH149/CH157/CH165					
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH149	5745	-3.20	0.16	-3.04	30.00
CH157	5785	-3.58	0.16	-3.42	30.00
CH165	5825	-3.84	0.16	-3.68	30.00

TX CH149

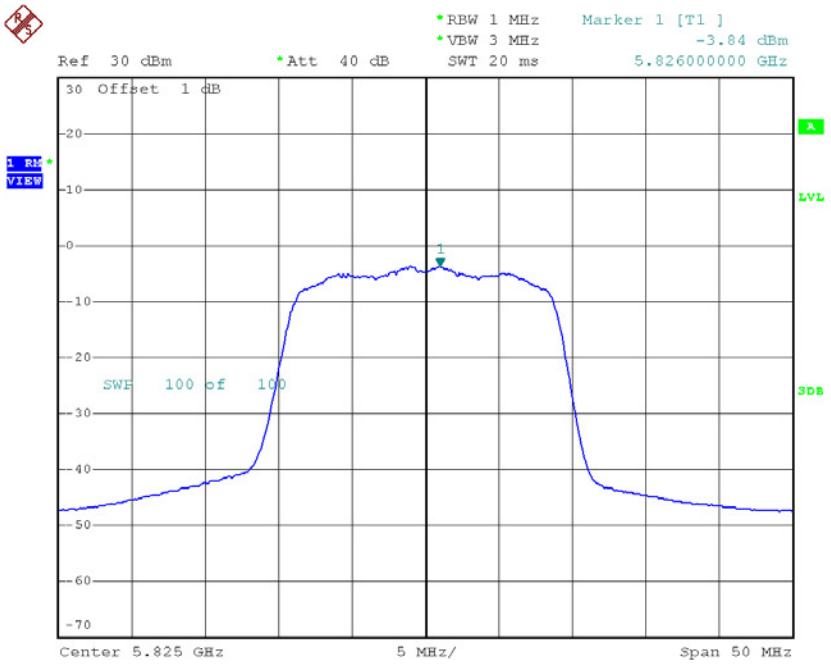


TX CH157



Date: 28.MAR.2017 11:23:08

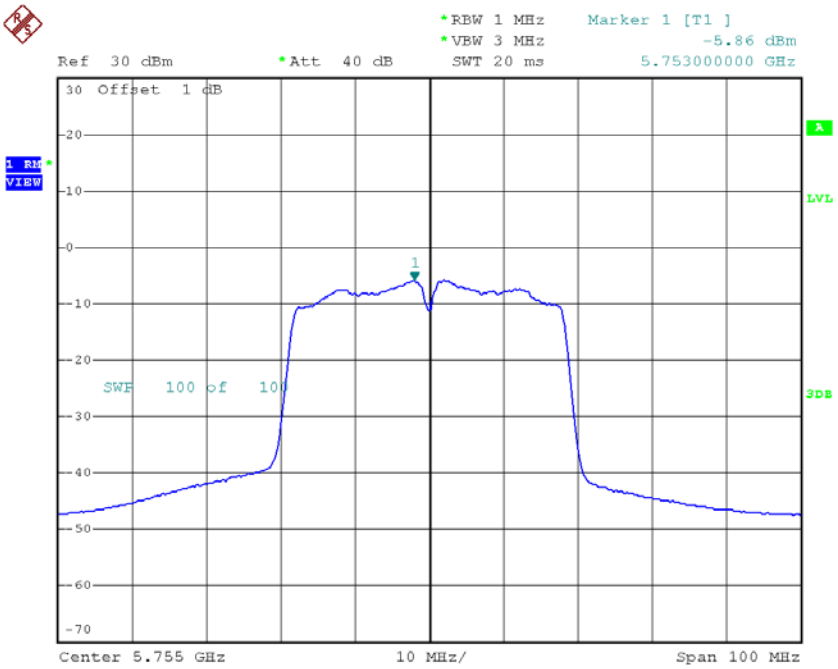
TX CH165



Date: 28.MAR.2017 11:24:18

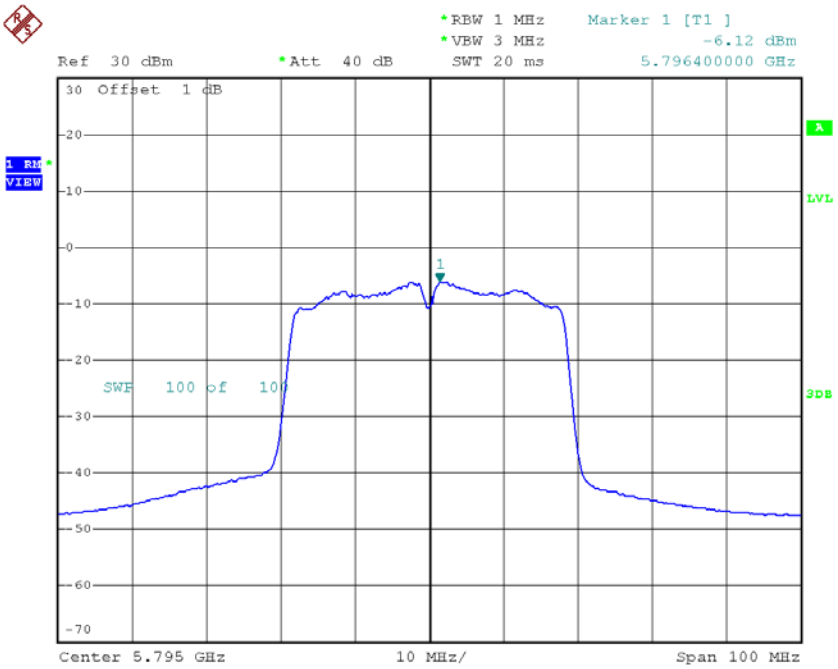
Test Mode: UNII-3/ TX N40 Mode_CH151/CH159					
Channel	Frequency (MHz)	Power Density (dBm/500kHz)	Duty Factor	Power Density + Duty Factor (dBm/500kHz)	Limit (dBm/500kHz)
CH151	5755	-5.86	0.46	-5.40	30.00
CH159	5795	-6.12	0.46	-5.66	30.00

TX CH151



Date: 28.MAR.2017 11:34:38

TX CH159



Date: 28.MAR.2017 11:35:29

ATTACHMENT H - FREQUENCY STABILITY

Test Mode:	UNII-1

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5180.0000
132	5179.9168
120	5179.9164
108	5179.9164
Max. Deviation (MHz)	0.0836
Max. Deviation (ppm)	16.1390

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5180.0000
-5	5179.9164
5	5179.9164
15	5179.9164
25	5179.9164
35	5179.9164
45	5179.9164
50	5179.9164
Max. Deviation (MHz)	0.0836
Max. Deviation (ppm)	16.1390

Test Mode:	UNII-2A

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5260.0000
132	5259.9152
120	5259.9152
108	5259.9152
Max. Deviation (MHz)	0.0848
Max. Deviation (ppm)	16.1217

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5260.0000
-5	5259.9152
5	5259.9148
15	5259.9148
25	5259.9148
35	5259.9148
45	5259.9152
50	5259.9148
Max. Deviation (MHz)	0.0852
Max. Deviation (ppm)	16.1977

Test Mode:	UNII-2C

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5500.0000
132	5499.9124
120	5499.9116
108	5499.9116
Max. Deviation (MHz)	0.0884
Max. Deviation (ppm)	16.0727

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5500.0000
-5	5499.9116
5	5499.9112
15	5499.9112
25	5499.9112
35	5499.9112
45	5499.9112
50	5499.9112
Max. Deviation (MHz)	0.0888
Max. Deviation (ppm)	16.1455

Test Mode:	UNII-3

Voltage vs. Frequency Stability

Voltage	Measurement Frequency (MHz)
(V)	5745.0000
132	5744.9080
120	5744.9076
108	5744.9076
Max. Deviation (MHz)	0.0924
Max. Deviation (ppm)	16.0836

Temperature vs. Frequency Stability

Temperature	Measurement Frequency (MHz)
(℃)	5745.0000
-5	5744.9076
5	5744.9076
15	5744.9076
25	5744.9076
35	5744.9076
45	5744.9072
50	5744.9072
Max. Deviation (MHz)	0.0928
Max. Deviation (ppm)	16.1532